

Cover Page

Order ID : Q2630

Project ID : Transfer Station-SPDES

Client : Tully Environmental, Inc

Lab Sample Number

Q2630-01
Q2630-02

Client Sample Number

001 Willets Pt Blvd (June)
002 35th Ave (JUNE)

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: 7/23/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Tully Environmental, Inc

Project Name: Transfer Station-SPDES

Project # N/A

Order ID # Q2630

Test Name: VOC-BTEX

A. Number of Samples and Date of Receipt:

2 Water samples were received on 07/17/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-BTEX. This data package contains results for VOC-BTEX.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOC-BTEX was based on method 624.1.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for 002 35th Ave (JUNE) [1,2-Dichloroethane-d4 - 111%], due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

Samples 001 Willets Pt Blvd (June), 002 35th Ave (JUNE) were diluted due to high concentrations.

E. Additional Comments:

The temperature of the samples at the time of receipt was 20.5°C, Lab notified this issue to the client. See the communication in shipping Document section.

Trip Blank was not provided with this set of samples.



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

“As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead.”

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 <35% 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 > 35% 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2630

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: 07/23/2025

LAB CHRONICLE

OrderID:	Q2630	OrderDate:	7/17/2025 10:48:00 AM
Client:	Tully Environmental, Inc	Project:	Transfer Station-SPDES
Contact:	Dean Devoe	Location:	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2630-01	001 Willets Pt Blvd (June)	Water			07/16/25			07/17/25
			VOC-BTEX	624.1			07/18/25	
Q2630-01DL	001 Willets Pt Blvd (June)DL	Water			07/16/25			07/17/25
			VOC-BTEX	624.1			07/18/25	
Q2630-02	002 35th Ave (JUNE)	Water			07/16/25			07/17/25
			VOC-BTEX	624.1			07/18/25	
Q2630-02DL	002 35th Ave (JUNE)DL	Water			07/16/25			07/17/25
			VOC-BTEX	624.1			07/18/25	

Hit Summary Sheet
SW-846

SDG No.: Q2630
Client: Tully Environmental, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q2630-01	001 Willets Pt Blvd (June) 001 Willets Pt Blvd	Water	Toluene	340	E	0.46	5.00	ug/L
			Total Voc :	340				
			Total Concentration:	340				
Client ID: Q2630-01DL	001 Willets Pt Blvd (June)DL 001 Willets Pt Blvd	Water	Toluene	420	D	2.30	25.0	ug/L
			Total Voc :	420				
			Total Concentration:	420				
Client ID: Q2630-02	002 35th Ave (JUNE) 002 35th Ave (JUNE)	Water	Toluene	510	E	0.46	5.00	ug/L
			Total Voc :	510				
			Total Concentration:	510				
Client ID: Q2630-02DL	002 35th Ave (JUNE)DL 002 35th Ave (JUNE)	Water	Toluene	410	D	2.30	25.0	ug/L
			Total Voc :	410				
			Total Concentration:	410				



QC SUMMARY

Surrogate Summary

SDG No.: **Q2630**

Client: **Tully Environmental, Inc**

Analytical Method: **SW624.1**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2630-01	001 Willets Pt Blvd (June)	1,2-Dichloroethane-d4	30	32.2	107		91	110
		Toluene-d8	30	29.4	98		91	112
		4-Bromofluorobenzene	30	29.4	98		63	112
Q2630-01DL	001 Willets Pt Blvd (June)DL	1,2-Dichloroethane-d4	30	30.5	102		91	110
		Toluene-d8	30	29.2	97		91	112
		4-Bromofluorobenzene	30	28.7	96		63	112
Q2630-02	002 35th Ave (JUNE)	1,2-Dichloroethane-d4	30	33.2	111	*	91	110
		Toluene-d8	30	29.4	98		91	112
		4-Bromofluorobenzene	30	29.2	97		63	112
Q2630-02DL	002 35th Ave (JUNE)DL	1,2-Dichloroethane-d4	30	29.4	98		91	110
		Toluene-d8	30	29.7	99		91	112
		4-Bromofluorobenzene	30	28.1	94		63	112
VN0718WBL01	VN0718WBL01	1,2-Dichloroethane-d4	30	32.8	109		91	110
		Toluene-d8	30	29.8	99		91	112
		4-Bromofluorobenzene	30	28.8	96		63	112
VN0718WBS01	VN0718WBS01	1,2-Dichloroethane-d4	30	31.3	104		91	110
		Toluene-d8	30	30.0	100		91	112
		4-Bromofluorobenzene	30	31.4	105		63	112
VN0718WBSD0	VN0718WBSD01	1,2-Dichloroethane-d4	30	32.4	108		91	110
		Toluene-d8	30	30.2	101		91	112
		4-Bromofluorobenzene	30	31.9	106		63	112

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2630</u>	Analytical Method:	<u>SW624.1</u>
Client:	<u>Tully Environmental, Inc</u>	Datafile :	<u>VN087354.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0718WBS01	Benzene	20	19.1	ug/L	96			65	135	
	Toluene	20	19.5	ug/L	98			70	130	
	Ethyl Benzene	20	19.6	ug/L	98			60	140	
	m/p-Xylenes	40	39.7	ug/L	99			87	111	
	o-Xylene	20	20.5	ug/L	103			87	111	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2630</u>	Analytical Method:	<u>SW624.1</u>
Client:	<u>Tully Environmental, Inc</u>	Datafile :	<u>VN087361.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0718WBSD01	Benzene	20	18.8	ug/L	94	2		65	135	20
	Toluene	20	18.7	ug/L	94	4		70	130	20
	Ethyl Benzene	20	18.2	ug/L	91	7		60	140	20
	m/p-Xylenes	40	37.0	ug/L	93	6		87	111	20
	o-Xylene	20	18.6	ug/L	93	10		87	111	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VN0718WBL01

Lab Name: Alliance

Contract: TULL01

Lab Code: ACE

SDG NO.: Q2630

Lab File ID: VN087356.D

Lab Sample ID: VN0718WBL01

Date Analyzed: 07/18/2025

Time Analyzed: 11:04

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0718WBS01	VN0718WBS01	VN087354.D	07/18/2025
001 Willets Pt Blvd (June)	Q2630-01	VN087357.D	07/18/2025
002 35th Ave (JUNE)	Q2630-02	VN087358.D	07/18/2025
VN0718WBSD01	VN0718WBSD01	VN087361.D	07/18/2025
001 Willets Pt Blvd (June)DL	Q2630-01DL	VN087362.D	07/18/2025
002 35th Ave (JUNE)DL	Q2630-02DL	VN087363.D	07/18/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TULL01

Lab Code: ACE

SDG NO.: Q2630

Lab File ID: VN087161.D

BFB Injection Date: 06/25/2025

Instrument ID: MSVOA_N

BFB Injection Time: 08:25

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	70.2
175	5.0 - 9.0% of mass 174	5.4 (7.7) 1
176	95.0 - 101.0% of mass 174	66.9 (95.3) 1
177	5.0 - 9.0% of mass 176	4.5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VN087162.D	06/25/2025	08:59
VSTDIC020	VSTDIC020	VN087163.D	06/25/2025	09:20
VSTDIC050	VSTDIC050	VN087164.D	06/25/2025	09:41
VSTDIC100	VSTDIC100	VN087165.D	06/25/2025	10:03
VSTDIC150	VSTDIC150	VN087166.D	06/25/2025	10:24

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TULL01

Lab Code: ACE

SDG NO.: Q2630

Lab File ID: VN087352.D

BFB Injection Date: 07/18/2025

Instrument ID: MSVOA_N

BFB Injection Time: 08:42

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	74.1
175	5.0 - 9.0% of mass 174	5.1 (6.9) 1
176	95.0 - 101.0% of mass 174	70.9 (95.7) 1
177	5.0 - 9.0% of mass 176	4.6 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN087353.D	07/18/2025	09:15
VN0718WBS01	VN0718WBS01	VN087354.D	07/18/2025	09:49
VN0718WBL01	VN0718WBL01	VN087356.D	07/18/2025	11:04
001 Willets Pt Blvd (June)	Q2630-01	VN087357.D	07/18/2025	11:51
002 35th Ave (JUNE)	Q2630-02	VN087358.D	07/18/2025	12:12
VN0718WBSD01	VN0718WBSD01	VN087361.D	07/18/2025	13:16
001 Willets Pt Blvd (June)DL	Q2630-01DL	VN087362.D	07/18/2025	13:37
002 35th Ave (JUNE)DL	Q2630-02DL	VN087363.D	07/18/2025	13:59

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TULL01
Lab Code: ACE SDG NO.: Q2630
Lab File ID: VN087353.D Date Analyzed: 07/18/2025
Instrument ID: MSVOA_N Time Analyzed: 09:15
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	46358	7.80	246415	9.08	220107	11.85
UPPER LIMIT	92716	8.3	492830	9.583	440214	12.347
LOWER LIMIT	23179	7.3	123208	8.583	110054	11.347
EPA SAMPLE NO.						
001 Willets Pt Blvd (June)	36588	7.80	185825	9.08	168228	11.85
001 Willets Pt Blvd (June)DL	44931	7.80	209359	9.08	189782	11.85
002 35th Ave (JUNE)	40595	7.79	208925	9.09	187807	11.85
002 35th Ave (JUNE)DL	45506	7.80	211698	9.08	193269	11.85
VN0718WBL01	41937	7.79	219664	9.08	193250	11.85
VN0718WBS01	47522	7.80	244435	9.08	221298	11.85
VN0718WBSD01	42433	7.80	214950	9.08	202696	11.85

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TULL01
 Lab Code: ACE SDG NO.: Q2630
 Lab File ID: VN087353.D Date Analyzed: 07/18/2025
 Instrument ID: MSVOA_N Time Analyzed: 09:15
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0					
LOWER LIMIT	0					
EPA SAMPLE NO.						
001 Willets Pt Blvd (June)	0	0.00				
001 Willets Pt Blvd (June)DL	0	0.00				
002 35th Ave (JUNE)	0	0.00				
002 35th Ave (JUNE)DL	0	0.00				
VN0718WBL01	0	0.00				
VN0718WBS01	0	0.00				
VN0718WBSD01	0	0.00				

IS4 =

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

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



SAMPLE DATA

Report of Analysis

Client:	Tully Environmental, Inc		Date Collected:	07/16/25	
Project:	Transfer Station-SPDES		Date Received:	07/17/25	
Client Sample ID:	001 Willets Pt Blvd (June)		SDG No.:	Q2630	
Lab Sample ID:	Q2630-01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-BTEX	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087357.D	1	07/18/25 11:51	VN071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
108-88-3	Toluene	340	E	0.46	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	32.2		91 - 110	107%	SPK: 30
2037-26-5	Toluene-d8	29.4		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.4		63 - 112	98%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	36600	7.8			
540-36-3	1,4-Difluorobenzene	186000	9.082			
3114-55-4	Chlorobenzene-d5	168000	11.847			

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_N\Data\VN071825\
 Data File : VN087357.D
 Acq On : 18 Jul 2025 11:51
 Operator : JC\MD
 Sample : Q2630-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001 Willets Pt Blvd (June)

Quant Time: Jul 18 12:15:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

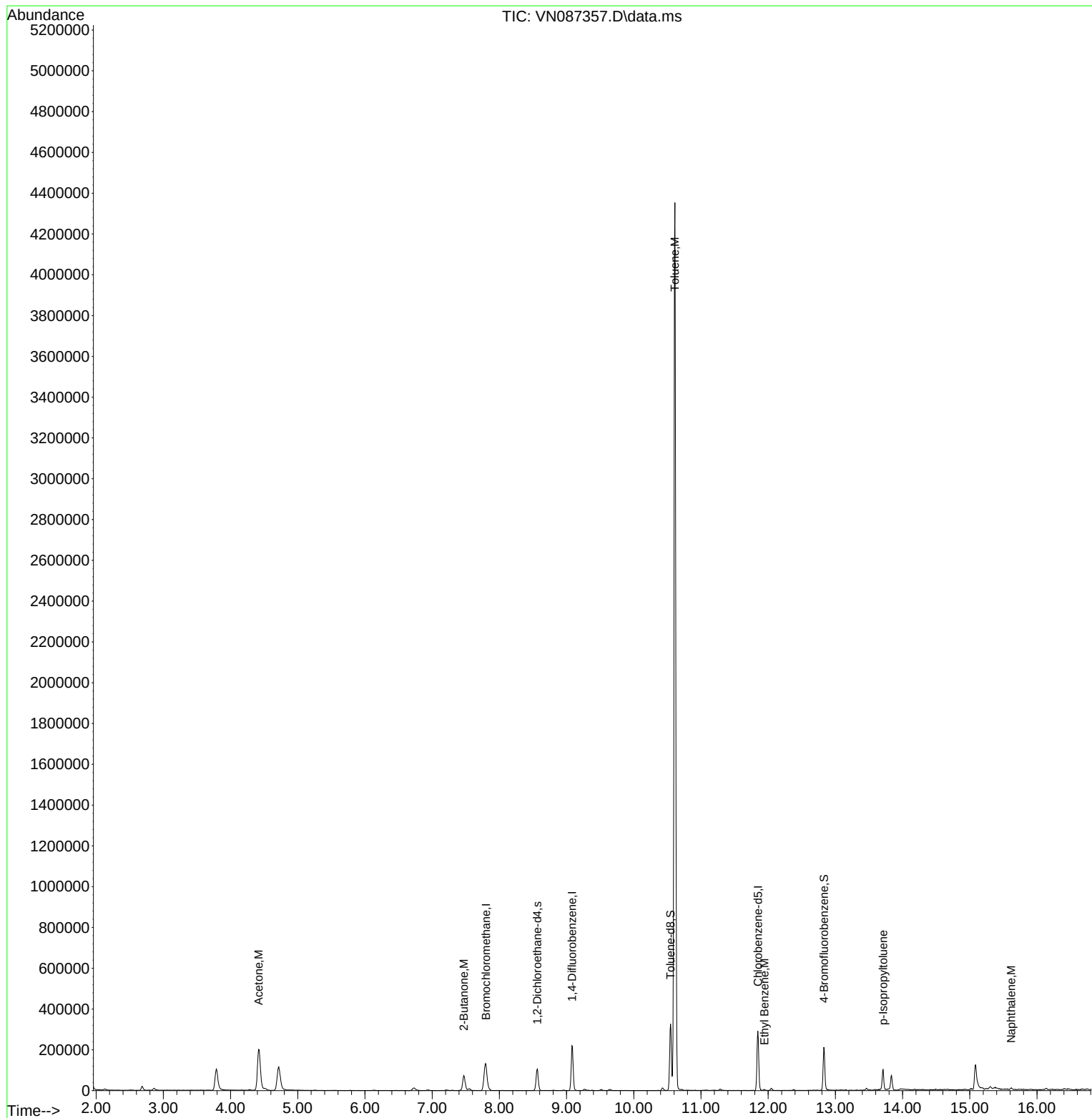
Internal Standards						
1) Bromochloromethane	7.800	128	36588	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.082	114	185825	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	168228	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	88806	32.214	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.367%
60) 4-Bromofluorobenzene	12.829	95	76262	29.377	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.933%
63) Toluene-d8	10.547	98	221749	29.357	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.867%
Target Compounds						
						Qvalue
15) Acetone	4.418	58	122722	259.445	ug/l	83
30) 2-Butanone	7.471	43	123087	63.000	ug/l #	77
62) Toluene	10.612	91	3247788	341.828	ug/l	98
66) Ethyl Benzene	11.947	91	3283	0.316	ug/l	96
82) p-Isopropyltoluene	13.712	119	53649	6.844	ug/l	96
91) Naphthalene	15.617	128	7793	0.839	ug/l #	93

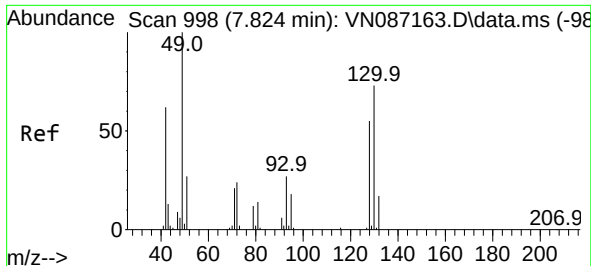
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087357.D
Acq On : 18 Jul 2025 11:51
Operator : JC\MD
Sample : Q2630-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)

Quant Time: Jul 18 12:15:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

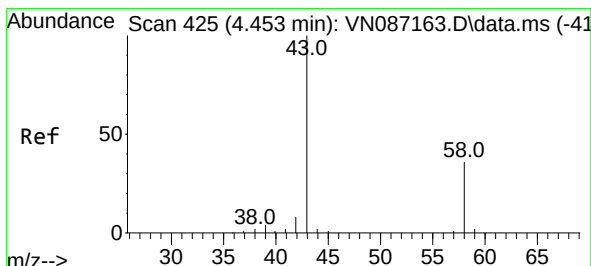
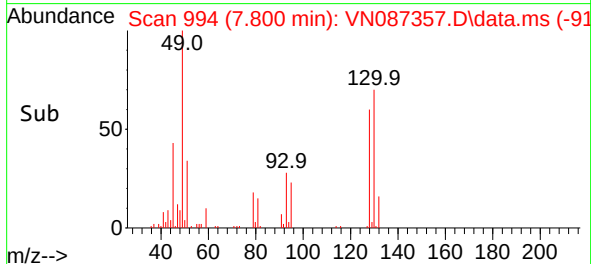
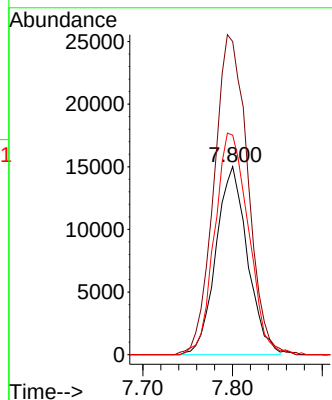
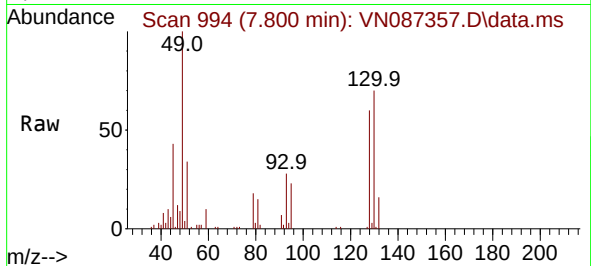




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087357.D
Acq: 18 Jul 2025 11:51

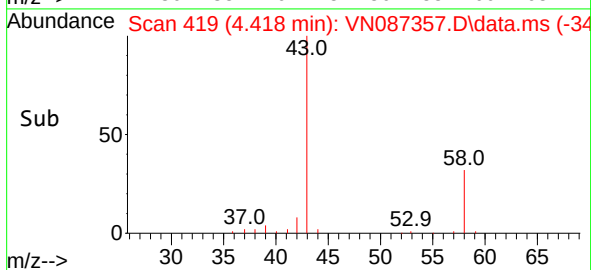
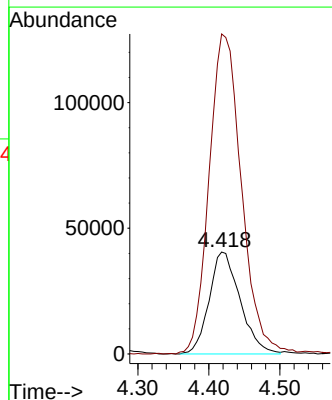
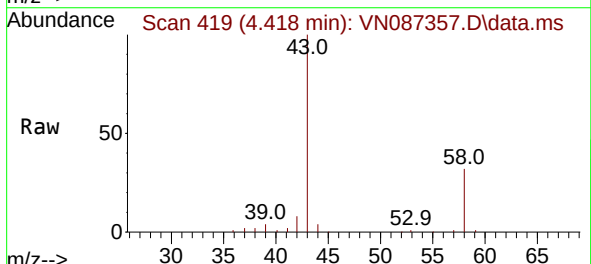
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)

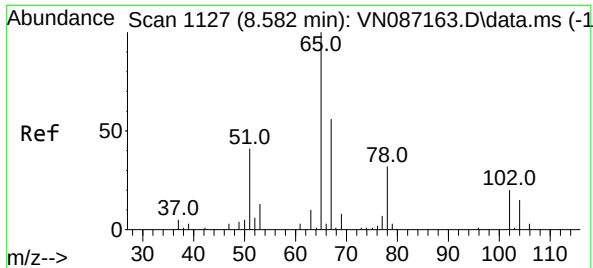
Tgt Ion:128 Resp: 36588
Ion Ratio Lower Upper
128 100
49 181.8 0.0 450.5
130 126.3 0.0 320.7



#15
Acetone
Concen: 259.445 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.035 min
Lab File: VN087357.D
Acq: 18 Jul 2025 11:51

Tgt Ion: 58 Resp: 122722
Ion Ratio Lower Upper
58 100
43 312.3 224.3 336.5





#27

1,2-Dichloroethane-d4

Concen: 32.214 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. -0.018 min

Lab File: VN087357.D

Acq: 18 Jul 2025 11:51

Instrument :

MSVOA_N

ClientSampleId :

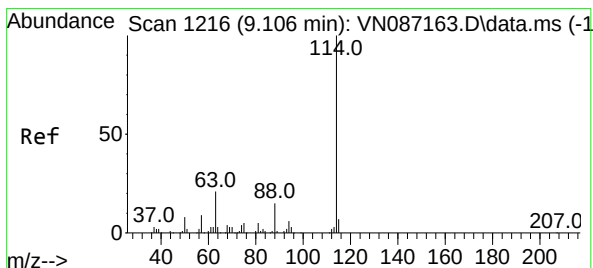
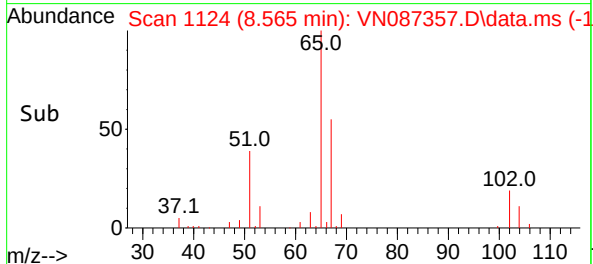
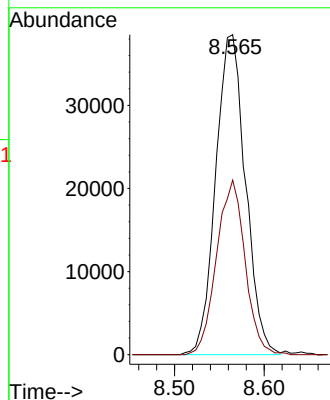
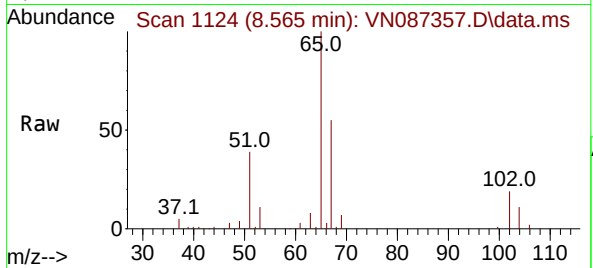
001 Willets Pt Blvd (June)

Tgt Ion: 65 Resp: 88806

Ion Ratio Lower Upper

65 100

67 52.0 41.9 62.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.024 min

Lab File: VN087357.D

Acq: 18 Jul 2025 11:51

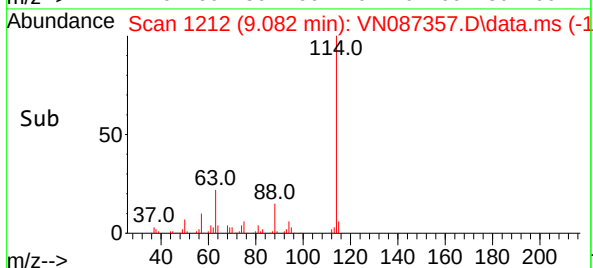
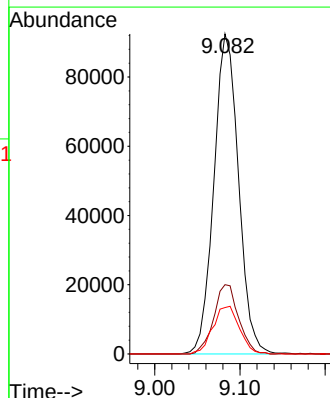
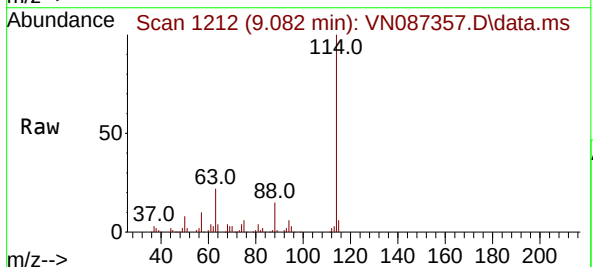
Tgt Ion: 114 Resp: 185825

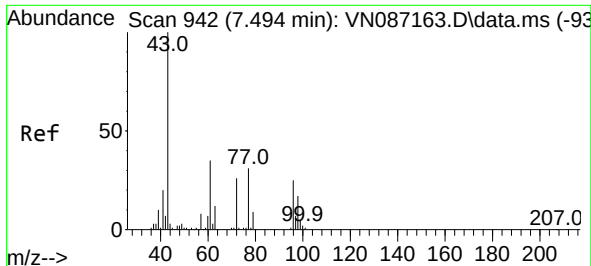
Ion Ratio Lower Upper

114 100

63 21.8 17.0 25.4

88 16.1 12.6 19.0

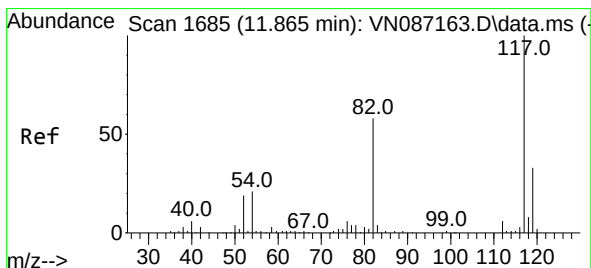
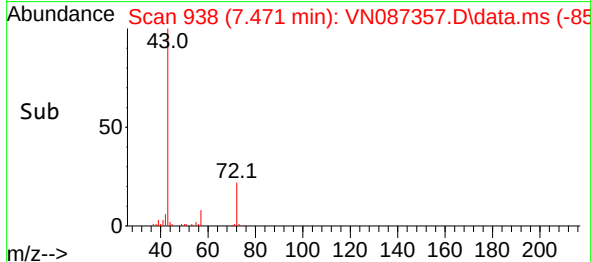
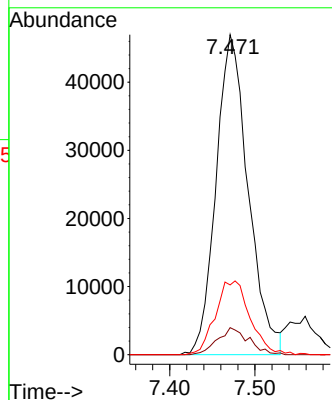
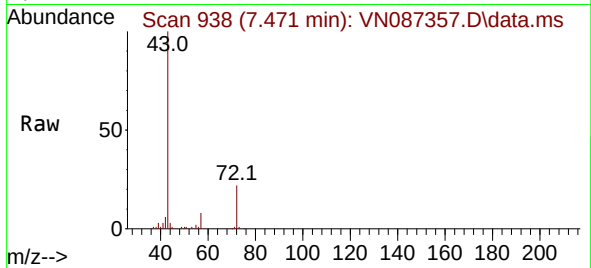




#30
2-Butanone
Concen: 63.000 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087357.D
Acq: 18 Jul 2025 11:51

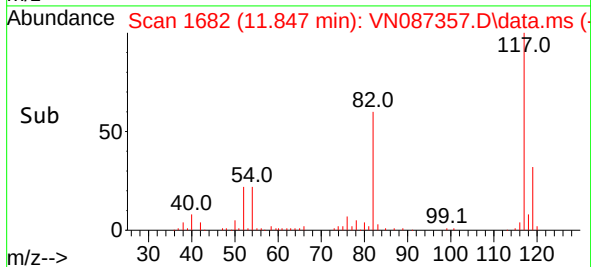
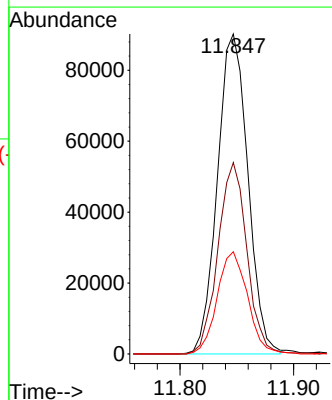
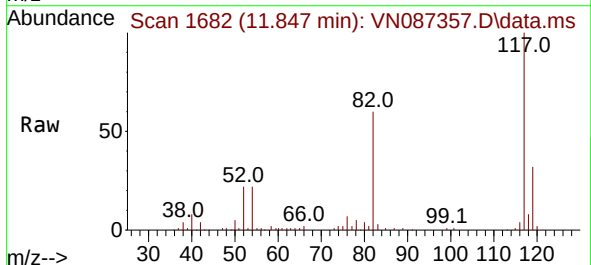
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)

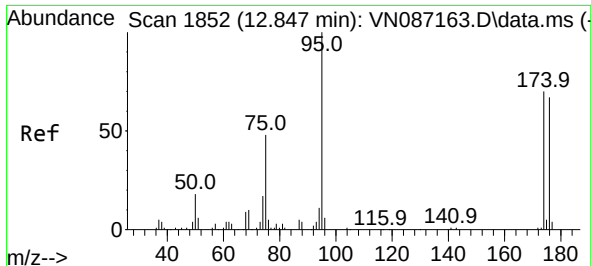
Tgt Ion: 43 Resp: 123087
Ion Ratio Lower Upper
43 100
57 8.1 6.3 9.5
72 12.1 21.8 32.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.018 min
Lab File: VN087357.D
Acq: 18 Jul 2025 11:51

Tgt Ion: 117 Resp: 168228
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.2
119 31.9 26.2 39.4

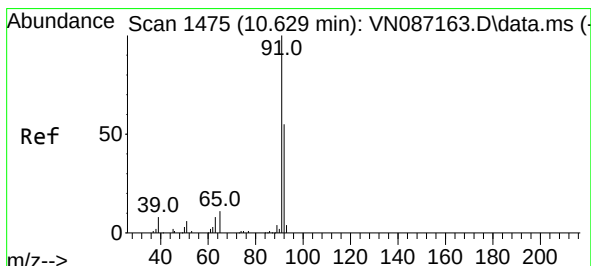
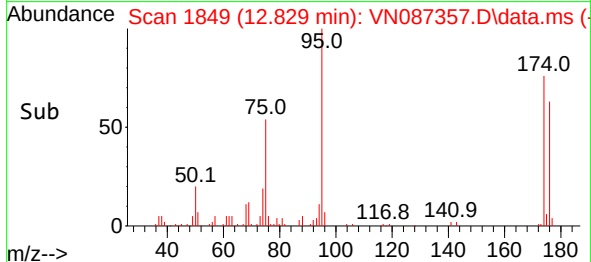
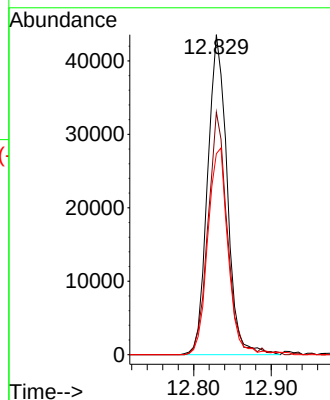
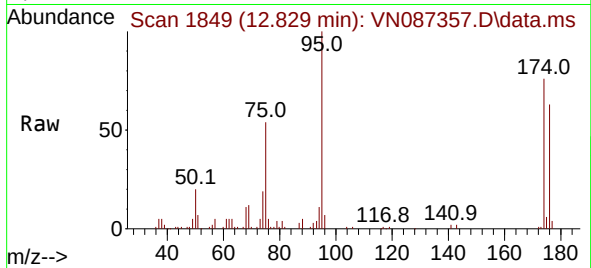




#60
4-Bromofluorobenzene
Concen: 29.377 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087357.D
Acq: 18 Jul 2025 11:51

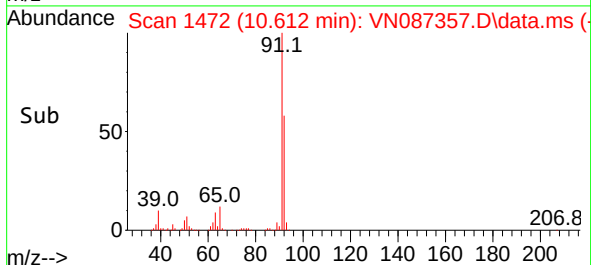
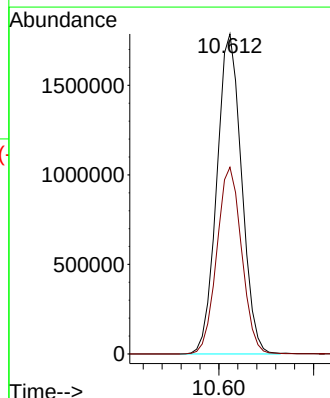
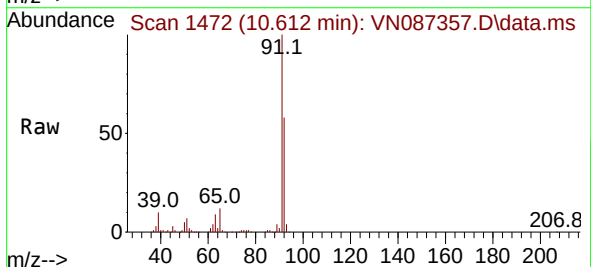
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)

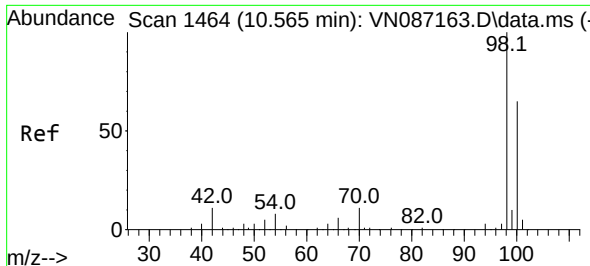
Tgt Ion: 95 Resp: 76262
Ion Ratio Lower Upper
95 100
174 73.4 54.5 81.7
176 66.4 51.9 77.9



#62
Toluene
Concen: 341.828 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.018 min
Lab File: VN087357.D
Acq: 18 Jul 2025 11:51

Tgt Ion: 91 Resp: 3247788
Ion Ratio Lower Upper
91 100
92 58.5 45.8 68.8

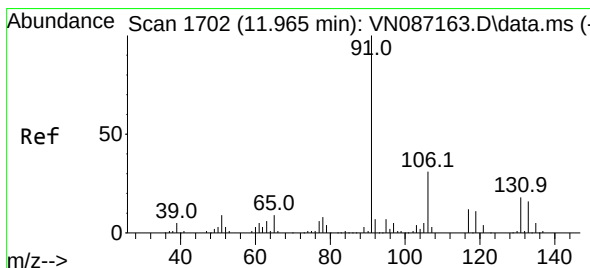
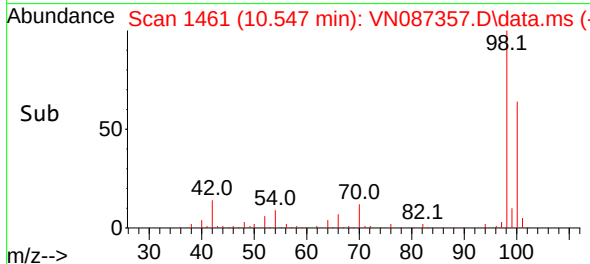
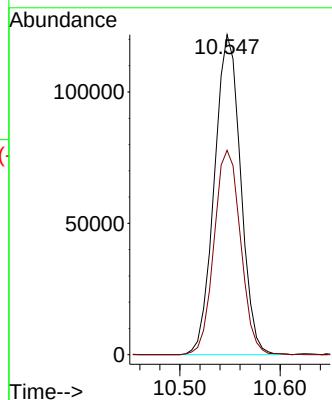
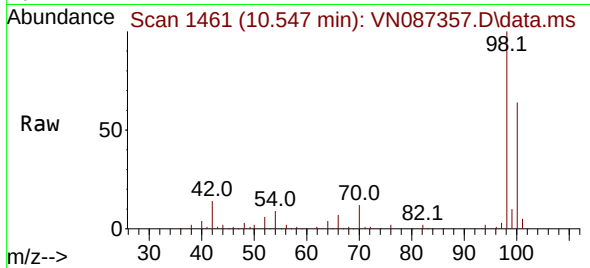




#63
Toluene-d8
Concen: 29.357 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087357.D
Acq: 18 Jul 2025 11:51

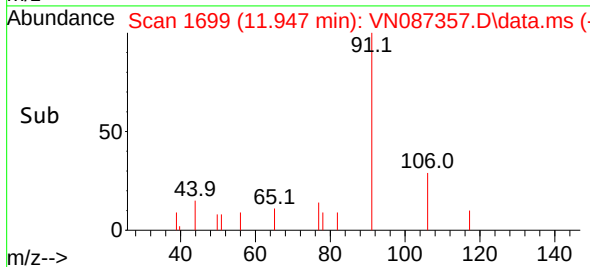
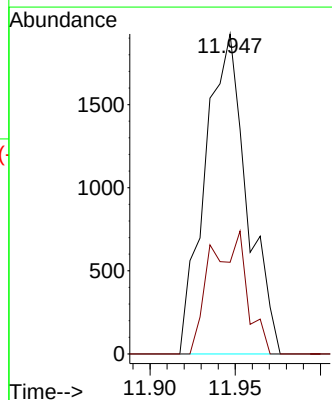
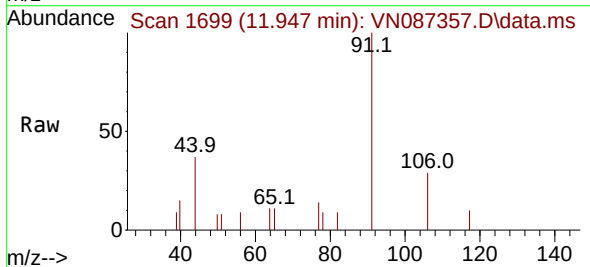
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)

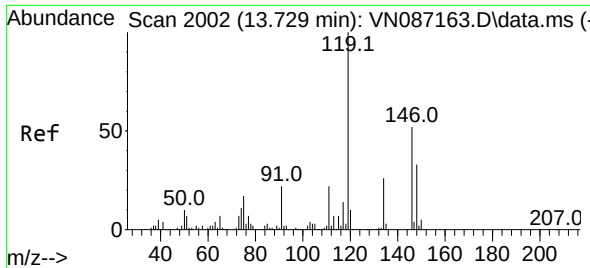
Tgt Ion: 98 Resp: 221749
Ion Ratio Lower Upper
98 100
100 64.4 52.5 78.7



#66
Ethyl Benzene
Concen: 0.316 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. -0.018 min
Lab File: VN087357.D
Acq: 18 Jul 2025 11:51

Tgt Ion: 91 Resp: 3283
Ion Ratio Lower Upper
91 100
106 28.6 24.8 37.2

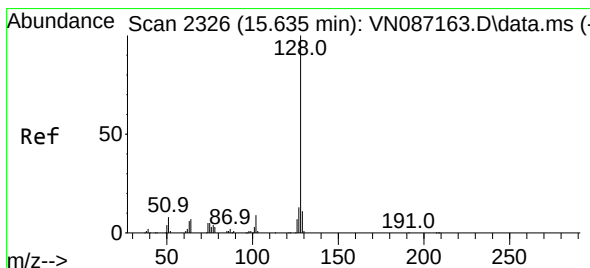
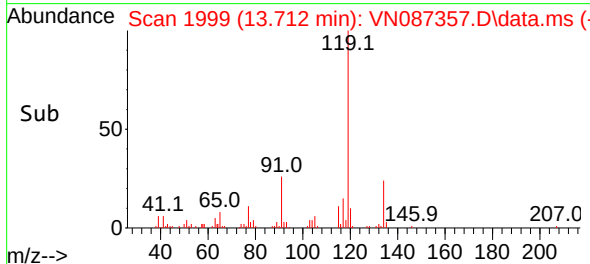
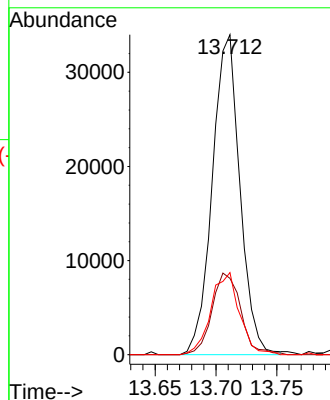
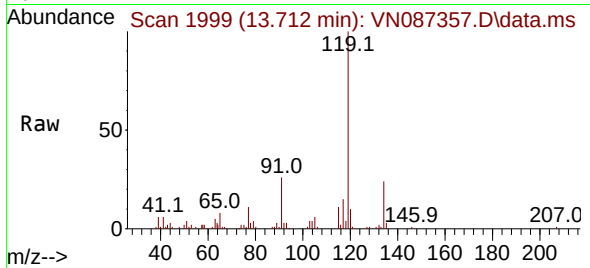




#82
p-Isopropyltoluene
Concen: 6.844 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. -0.018 min
Lab File: VN087357.D
Acq: 18 Jul 2025 11:51

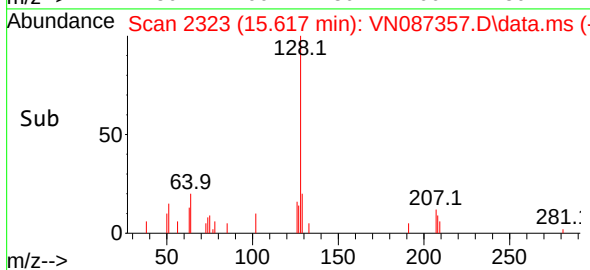
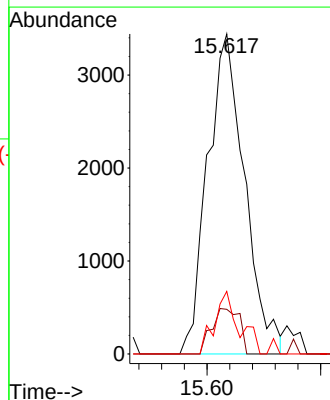
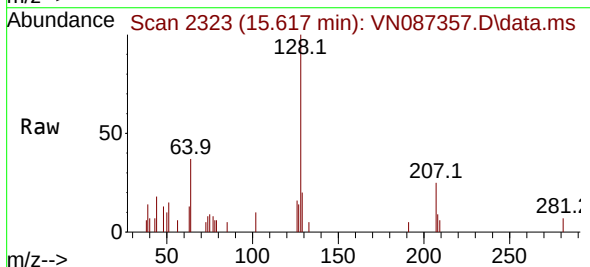
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)

Tgt Ion:119 Resp: 53649
Ion Ratio Lower Upper
119 100
134 26.6 0.0 51.2
91 26.3 0.0 46.4



#91
Naphthalene
Concen: 0.839 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. -0.018 min
Lab File: VN087357.D
Acq: 18 Jul 2025 11:51

Tgt Ion:128 Resp: 7793
Ion Ratio Lower Upper
128 100
127 8.7 10.6 15.8#
129 10.2 8.8 13.2



Report of Analysis

Client:	Tully Environmental, Inc		Date Collected:	07/16/25	
Project:	Transfer Station-SPDES		Date Received:	07/17/25	
Client Sample ID:	001 Willets Pt Blvd (June)DL		SDG No.:	Q2630	
Lab Sample ID:	Q2630-01DL		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-BTEX	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087362.D	5	07/18/25 13:37	VN071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	2.30	UD	2.30	25.0	ug/L
108-88-3	Toluene	420	D	2.30	25.0	ug/L
100-41-4	Ethyl Benzene	2.80	UD	2.80	25.0	ug/L
179601-23-1	m/p-Xylenes	6.50	UD	6.50	50.0	ug/L
95-47-6	o-Xylene	3.40	UD	3.40	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.5		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	29.2		91 - 112	97%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.7		63 - 112	96%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	44900	7.8			
540-36-3	1,4-Difluorobenzene	209000	9.082			
3114-55-4	Chlorobenzene-d5	190000	11.847			

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_N\Data\VN071825\
 Data File : VN087362.D
 Acq On : 18 Jul 2025 13:37
 Operator : JC\MD
 Sample : Q2630-01DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001 Willets Pt Blvd (June)DL

Quant Time: Jul 18 14:00:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

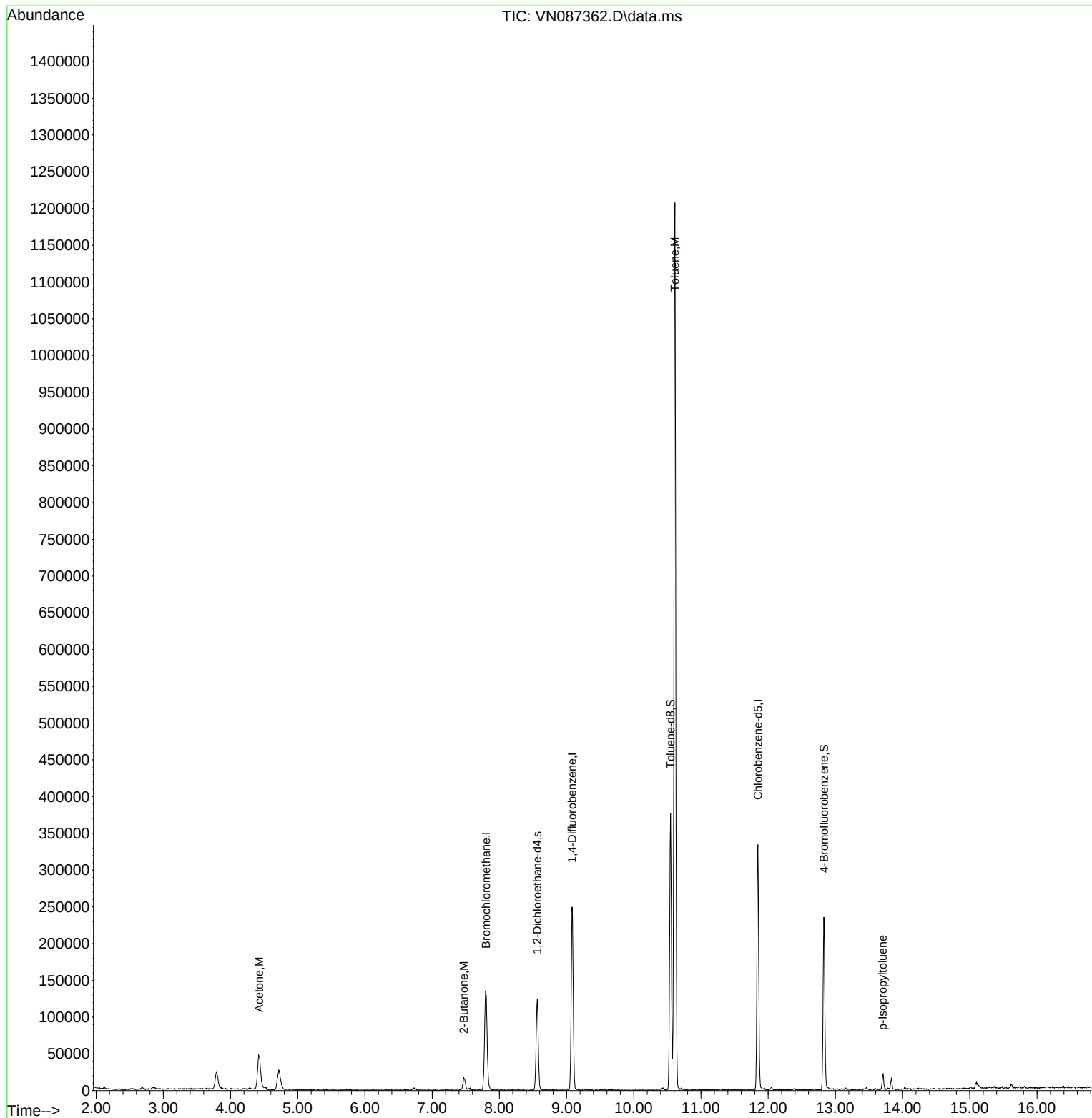
Internal Standards						
1) Bromochloromethane	7.800	128	44931	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.082	114	209359	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	189782	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	103193	30.482	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.600%
60) 4-Bromofluorobenzene	12.829	95	83982	28.677	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.600%
63) Toluene-d8	10.547	98	248466	29.159	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.200%
Target Compounds						
15) Acetone	4.424	58	28413	48.914	ug/l	88
30) 2-Butanone	7.471	43	28597	12.992	ug/l #	94
62) Toluene	10.612	91	907157	84.634	ug/l	98
82) p-Isopropyltoluene	13.706	119	11102	1.255	ug/l	95

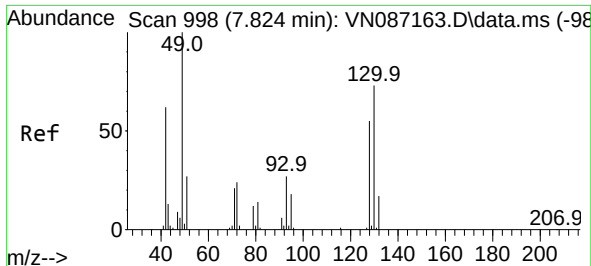
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087362.D
Acq On : 18 Jul 2025 13:37
Operator : JC\MD
Sample : Q2630-01DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

Quant Time: Jul 18 14:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

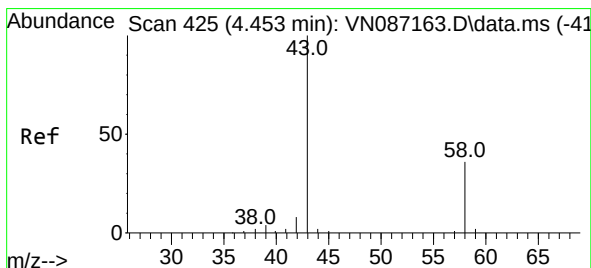
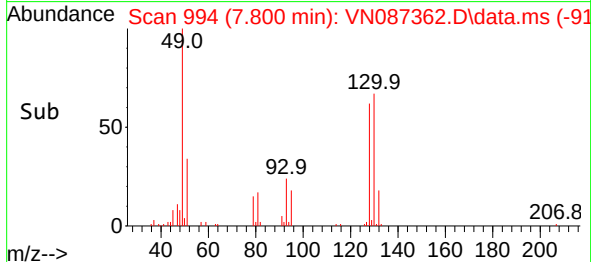
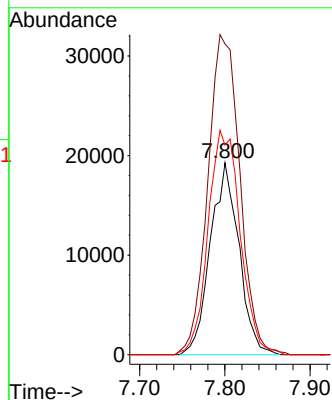
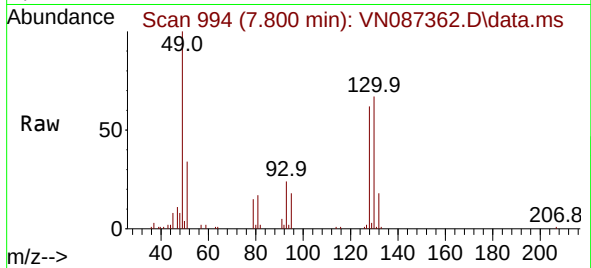




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 998
Delta R.T. -0.024 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

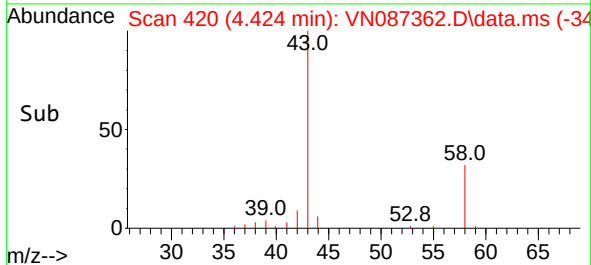
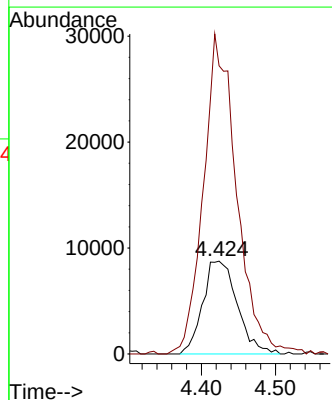
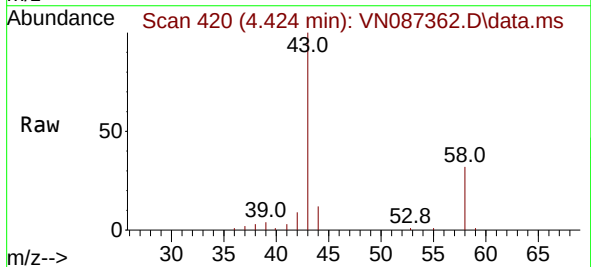
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

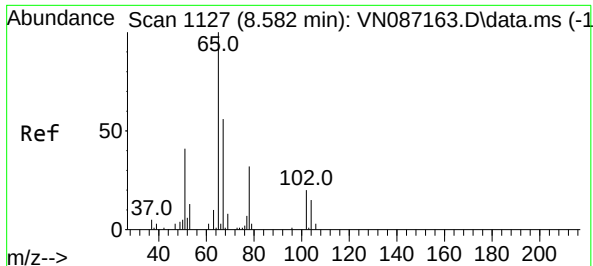
Tgt Ion:128 Resp: 44931
Ion Ratio Lower Upper
128 100
49 187.1 0.0 450.5
130 131.7 0.0 320.7



#15
Acetone
Concen: 48.914 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.029 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

Tgt Ion: 58 Resp: 28413
Ion Ratio Lower Upper
58 100
43 302.2 224.3 336.5

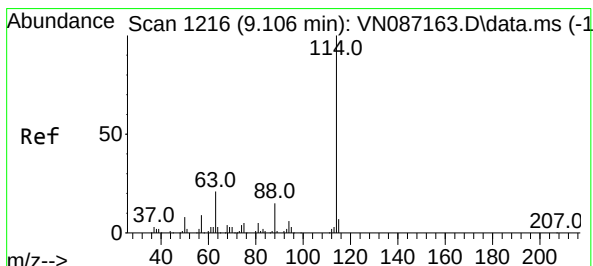
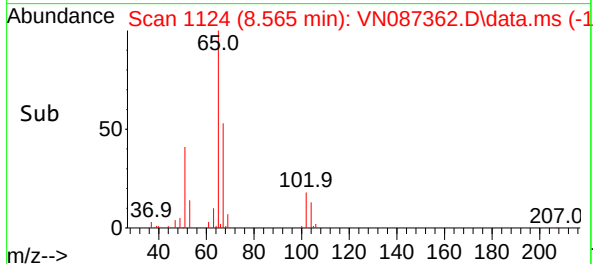
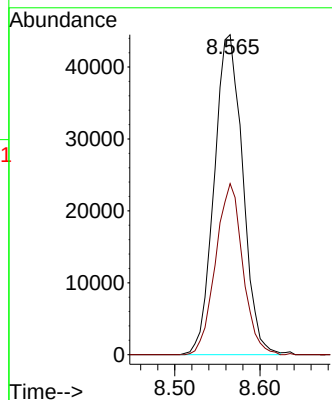
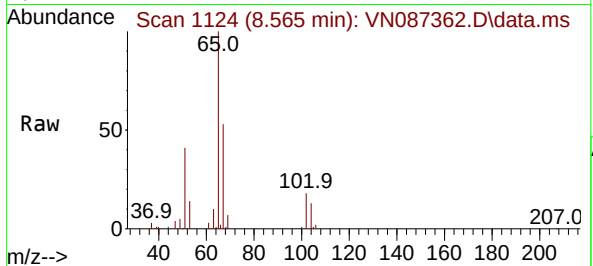




#27
1,2-Dichloroethane-d4
Concen: 30.482 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.018 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

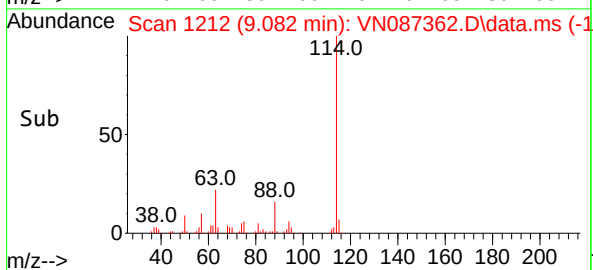
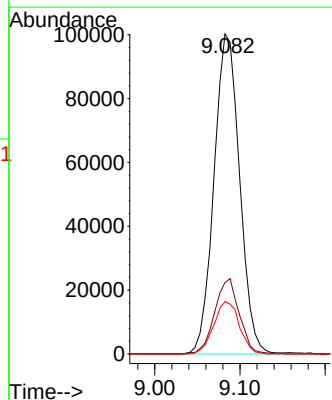
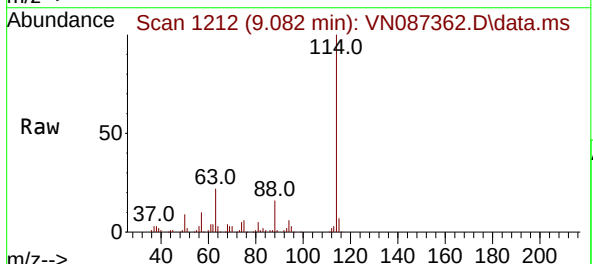
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

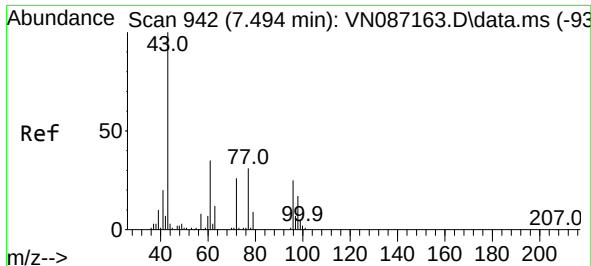
Tgt Ion: 65 Resp: 103193
Ion Ratio Lower Upper
65 100
67 51.2 41.9 62.9



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.024 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

Tgt Ion: 114 Resp: 209359
Ion Ratio Lower Upper
114 100
63 22.5 17.0 25.4
88 16.3 12.6 19.0

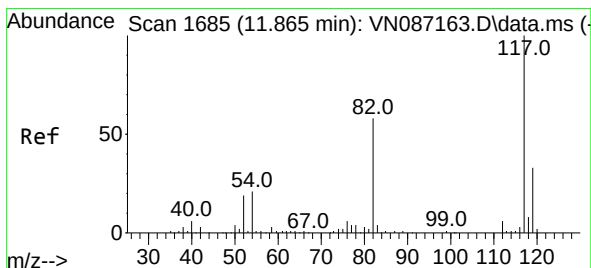
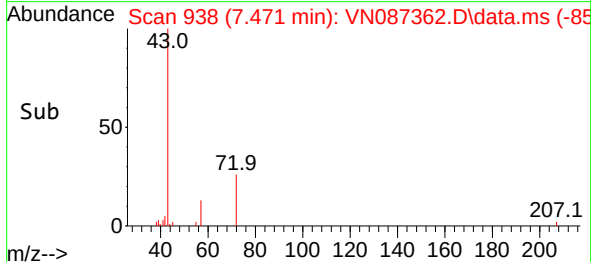
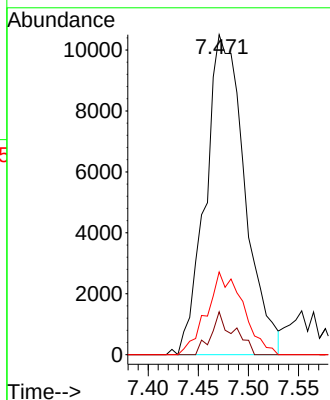
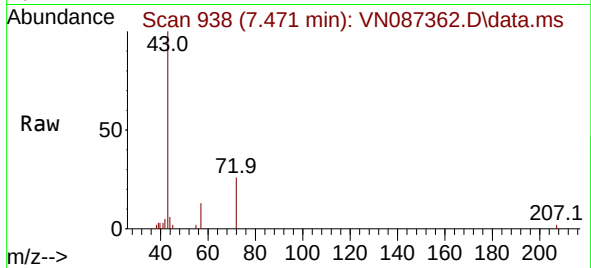




#30
2-Butanone
Concen: 12.992 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

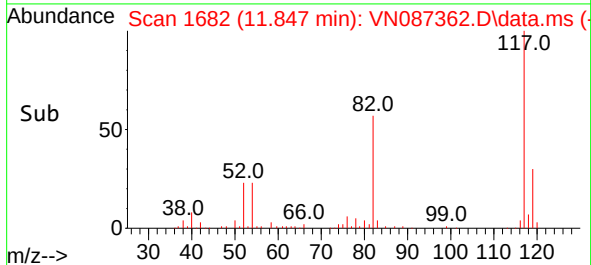
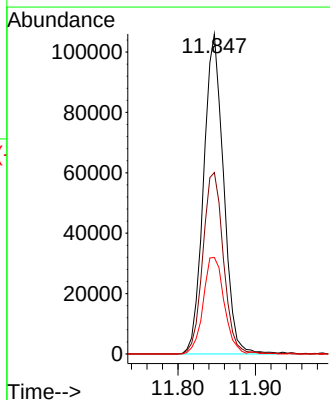
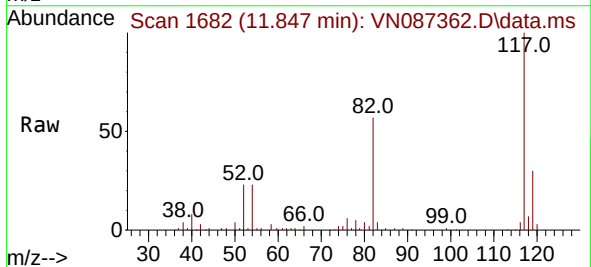
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

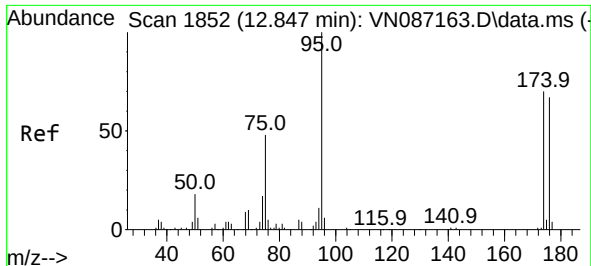
Tgt Ion: 43 Resp: 28597
Ion Ratio Lower Upper
43 100
57 5.5 6.3 9.5#
72 24.1 21.8 32.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.018 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

Tgt Ion: 117 Resp: 189782
Ion Ratio Lower Upper
117 100
82 58.5 45.4 68.2
119 31.7 26.2 39.4

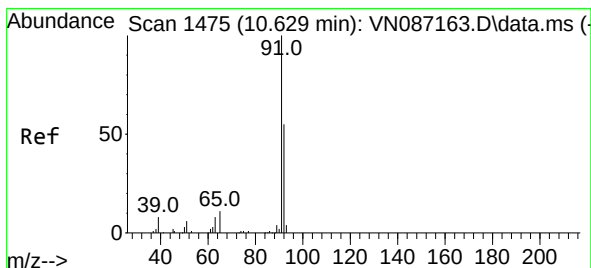
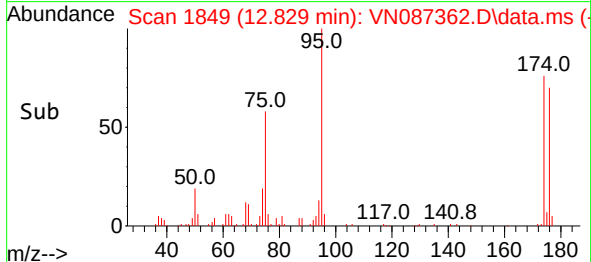
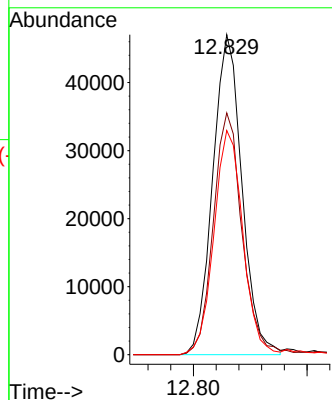
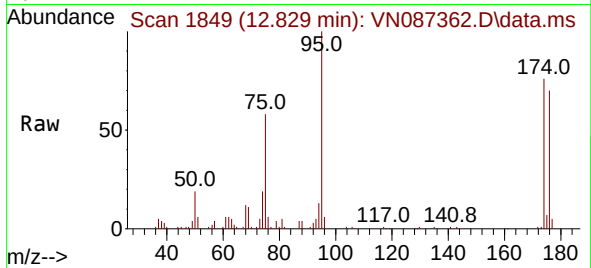




#60
4-Bromofluorobenzene
Concen: 28.677 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

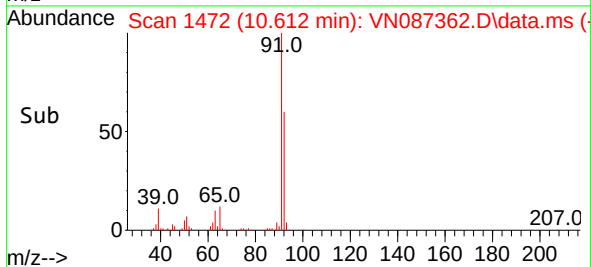
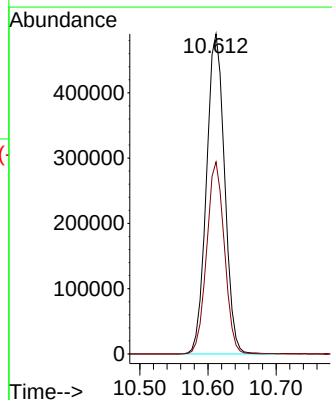
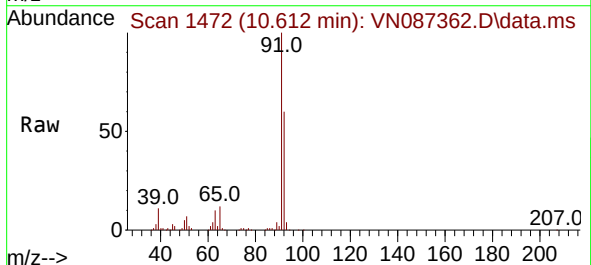
Instrument :
MSVOA_N
ClientSampleId :
001 Willets Pt Blvd (June)DL

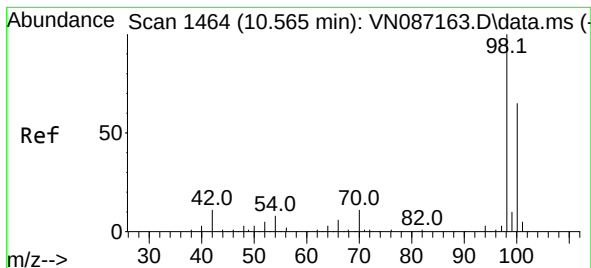
Tgt Ion: 95 Resp: 83982
Ion Ratio Lower Upper
95 100
174 74.5 54.5 81.7
176 69.4 51.9 77.9



#62
Toluene
Concen: 84.634 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.018 min
Lab File: VN087362.D
Acq: 18 Jul 2025 13:37

Tgt Ion: 91 Resp: 907157
Ion Ratio Lower Upper
91 100
92 58.6 45.8 68.8





#63

Toluene-d8

Concen: 29.159 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.018 min

Lab File: VN087362.D

Acq: 18 Jul 2025 13:37

Instrument :

MSVOA_N

ClientSampleId :

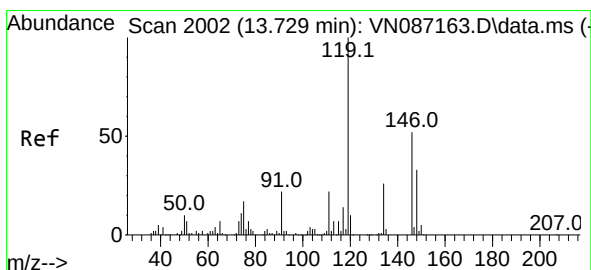
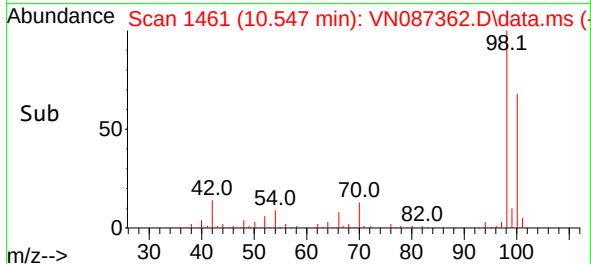
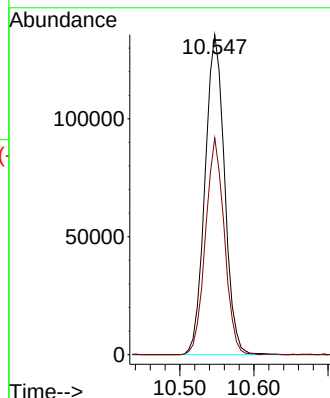
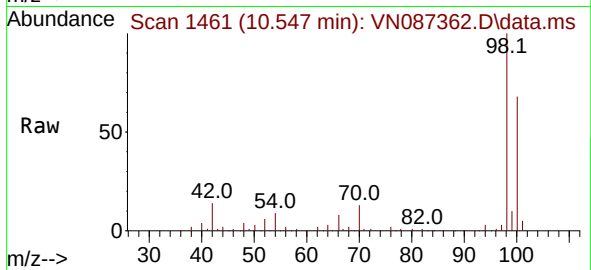
001 Willets Pt Blvd (June)DL

Tgt Ion: 98 Resp: 248466

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7



#82

p-Isopropyltoluene

Concen: 1.255 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. -0.024 min

Lab File: VN087362.D

Acq: 18 Jul 2025 13:37

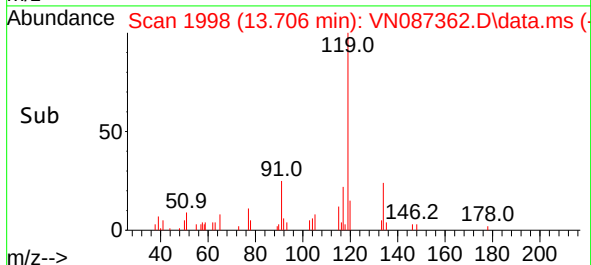
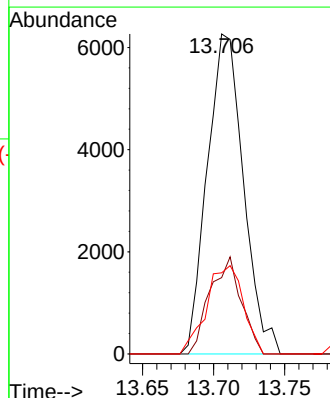
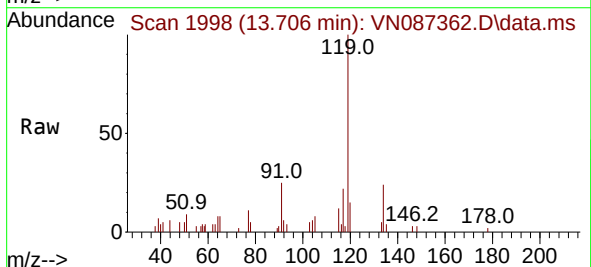
Tgt Ion: 119 Resp: 11102

Ion Ratio Lower Upper

119 100

134 26.4 0.0 51.2

91 28.0 0.0 46.4



Report of Analysis

Client:	Tully Environmental, Inc		Date Collected:	07/16/25	
Project:	Transfer Station-SPDES		Date Received:	07/17/25	
Client Sample ID:	002 35th Ave (JUNE)		SDG No.:	Q2630	
Lab Sample ID:	Q2630-02		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-BTEX	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087358.D	1	07/18/25 12:12	VN071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
108-88-3	Toluene	510	E	0.46	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	33.2	*	91 - 110	111%	SPK: 30
2037-26-5	Toluene-d8	29.4		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.2		63 - 112	97%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	40600	7.794			
540-36-3	1,4-Difluorobenzene	209000	9.088			
3114-55-4	Chlorobenzene-d5	188000	11.847			

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_N\Data\VN071825\
 Data File : VN087358.D
 Acq On : 18 Jul 2025 12:12
 Operator : JC\MD
 Sample : Q2630-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002 35th Ave (JUNE)

Quant Time: Jul 18 12:47:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

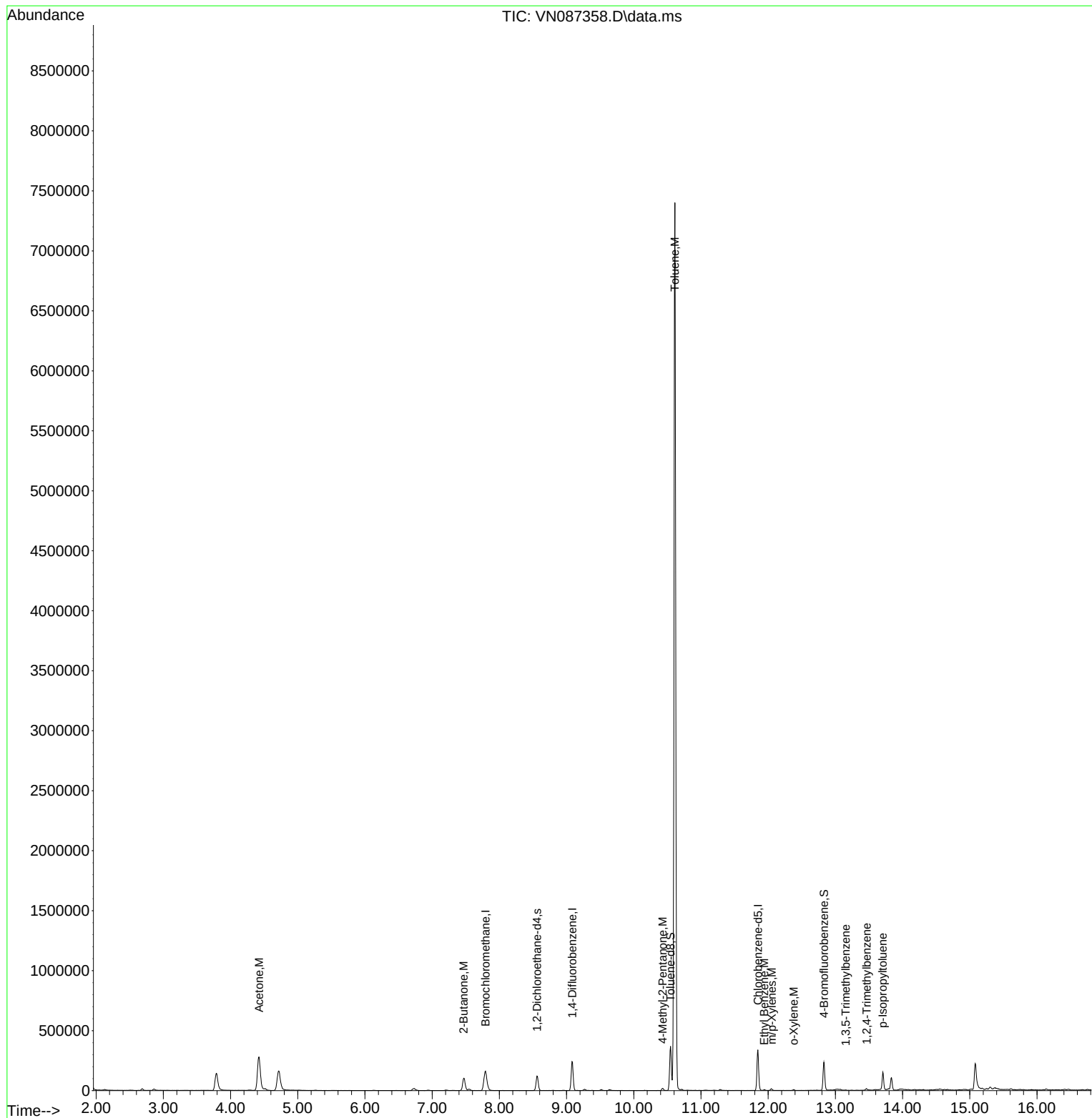
Internal Standards						
1) Bromochloromethane	7.794	128	40595	30.000	ug/l	-0.03
28) 1,4-Difluorobenzene	9.088	114	208925	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	187807	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	101637	33.229	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.767%#
60) 4-Bromofluorobenzene	12.829	95	84672	29.217	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.400%
63) Toluene-d8	10.547	98	247701	29.375	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.900%
Target Compounds						
					Qvalue	
15) Acetone	4.424	58	166491	317.234	ug/l	75
30) 2-Butanone	7.471	43	176094	80.166	ug/l #	94
58) 4-Methyl-2-Pentanone	10.429	43	14161	3.751	ug/l	90
62) Toluene	10.612	91	5405378	509.603	ug/l	98
66) Ethyl Benzene	11.941	91	4899	0.422	ug/l	89
67) m/p-Xylenes	12.053	106	4169	0.937	ug/l	87
68) o-Xylene	12.382	106	1997	0.470	ug/l	92
76) 1,3,5-Trimethylbenzene	13.153	105	1888	0.219	ug/l	79
80) 1,2,4-Trimethylbenzene	13.464	105	6012	0.696	ug/l	97
82) p-Isopropyltoluene	13.706	119	79671	9.104	ug/l	97

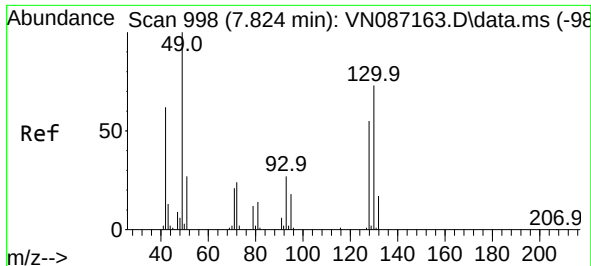
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087358.D
Acq On : 18 Jul 2025 12:12
Operator : JC\MD
Sample : Q2630-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

Quant Time: Jul 18 12:47:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

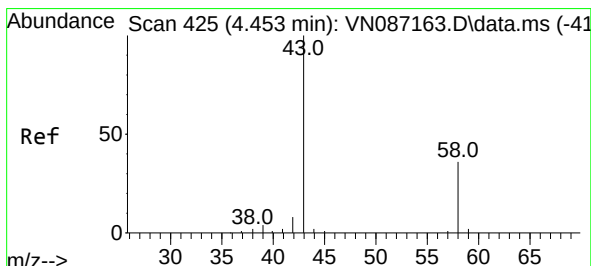
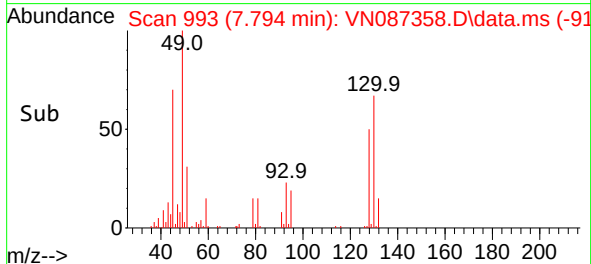
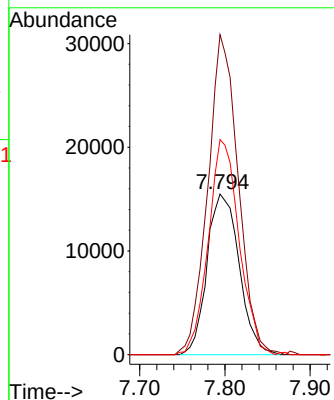
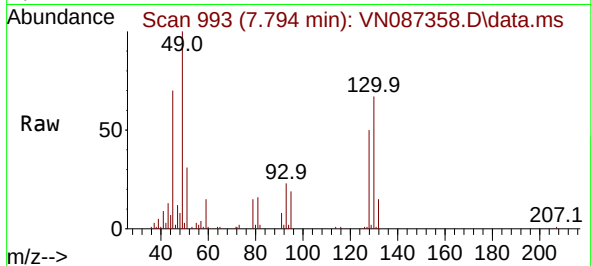




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 91
Delta R.T. -0.030 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

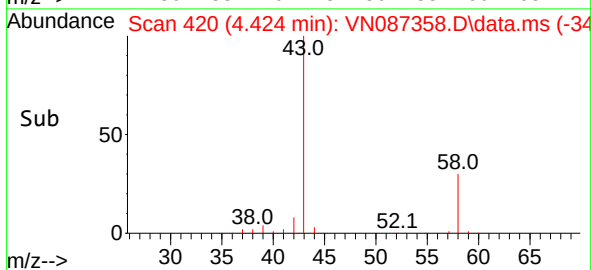
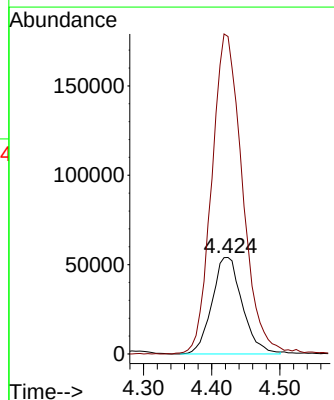
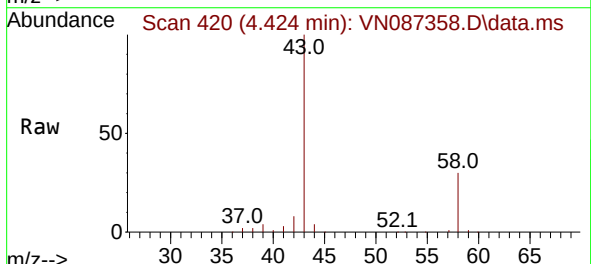
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

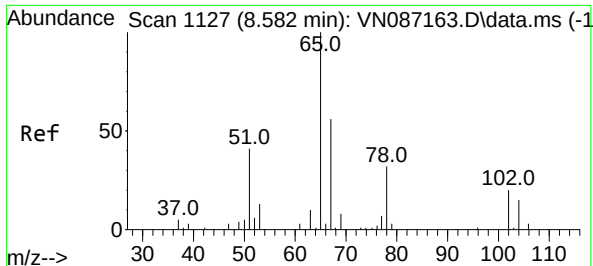
Tgt Ion:128 Resp: 40595
Ion Ratio Lower Upper
128 100
49 188.6 0.0 450.5
130 128.3 0.0 320.7



#15
Acetone
Concen: 317.234 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.030 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Tgt Ion: 58 Resp: 166491
Ion Ratio Lower Upper
58 100
43 328.0 224.3 336.5





#27

1,2-Dichloroethane-d4

Concen: 33.229 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.024 min

Lab File: VN087358.D

Acq: 18 Jul 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

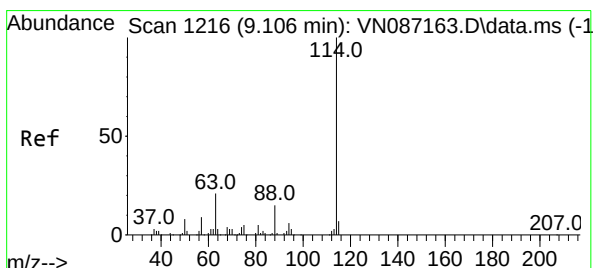
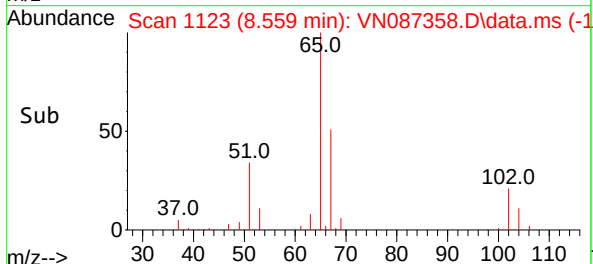
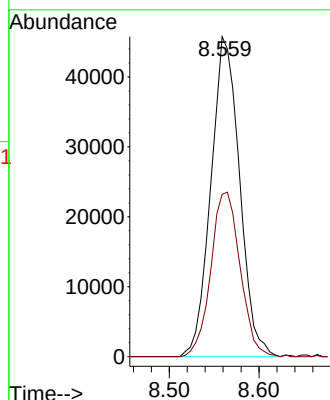
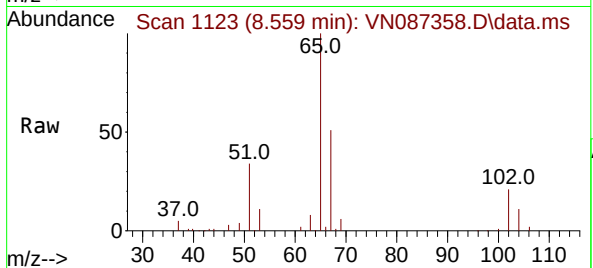
002 35th Ave (JUNE)

Tgt Ion: 65 Resp: 101637

Ion Ratio Lower Upper

65 100

67 52.4 41.9 62.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. -0.018 min

Lab File: VN087358.D

Acq: 18 Jul 2025 12:12

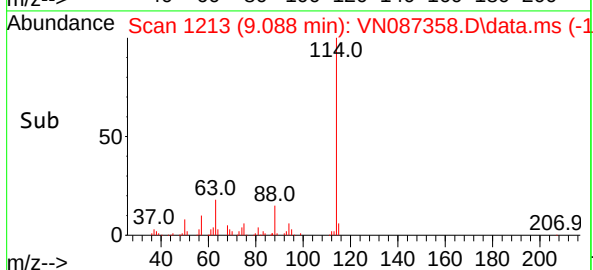
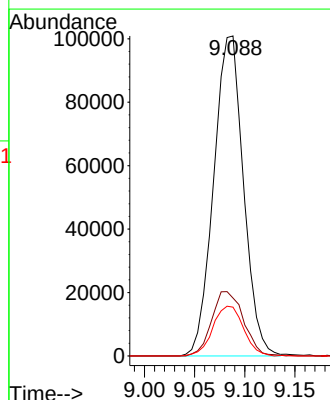
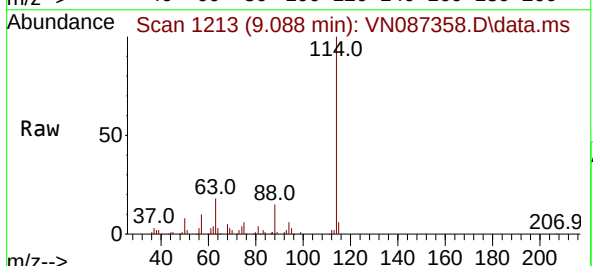
Tgt Ion: 114 Resp: 208925

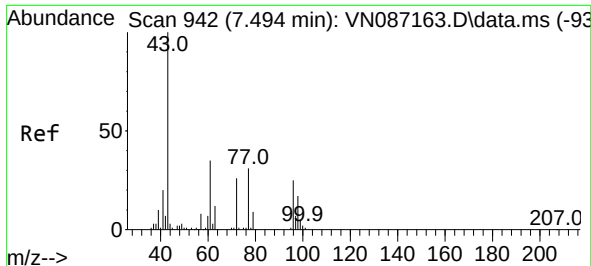
Ion Ratio Lower Upper

114 100

63 21.4 17.0 25.4

88 16.0 12.6 19.0

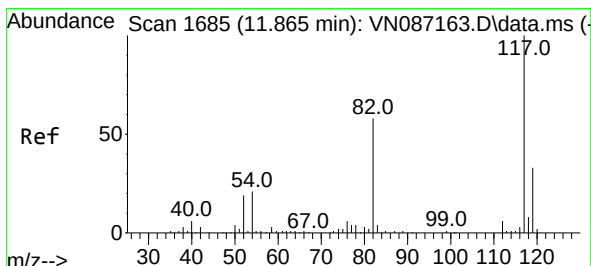
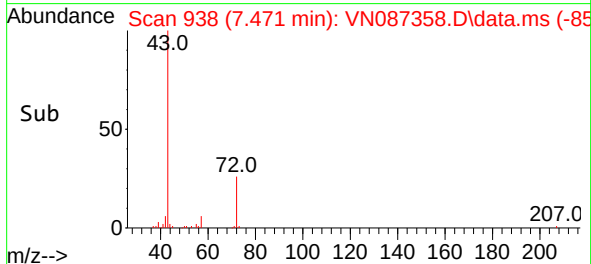
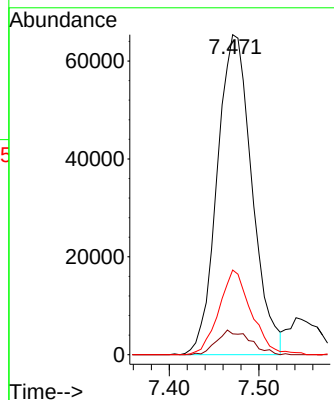
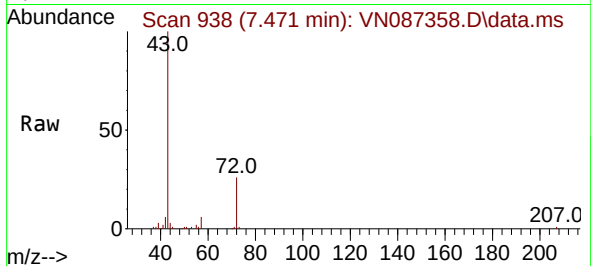




#30
2-Butanone
Concen: 80.166 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

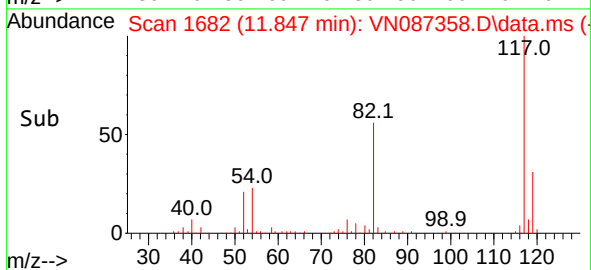
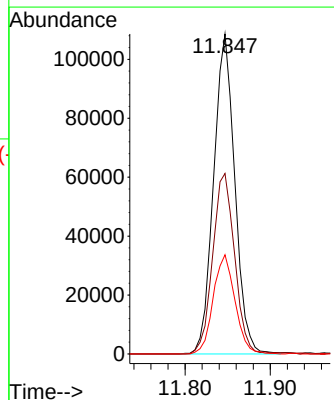
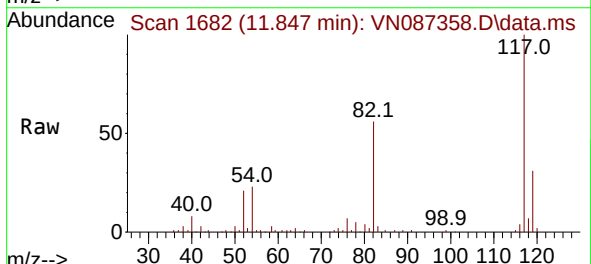
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

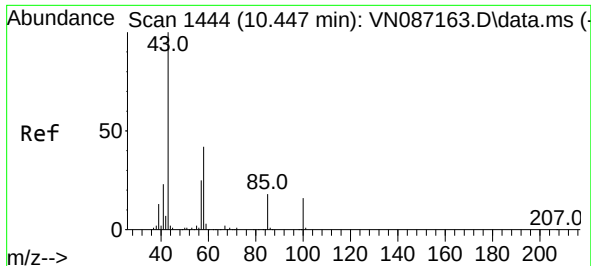
Tgt Ion: 43 Resp: 176094
Ion Ratio Lower Upper
43 100
57 4.7 6.3 9.5#
72 24.7 21.8 32.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Tgt Ion: 117 Resp: 187807
Ion Ratio Lower Upper
117 100
82 58.0 45.4 68.2
119 31.8 26.2 39.4

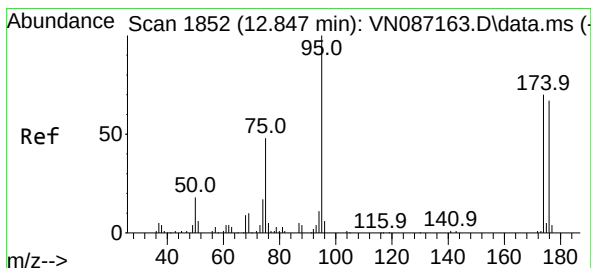
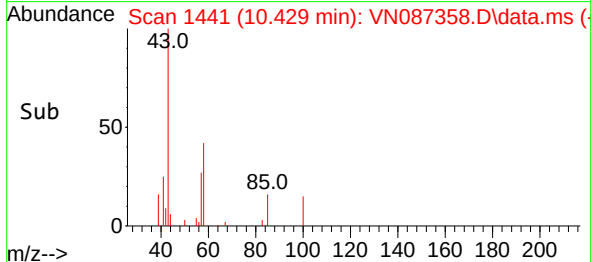
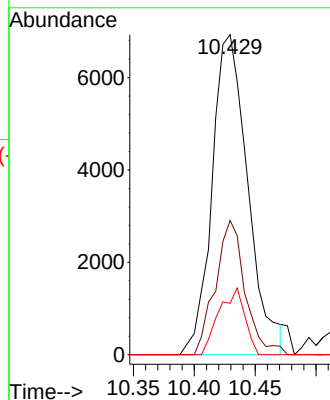
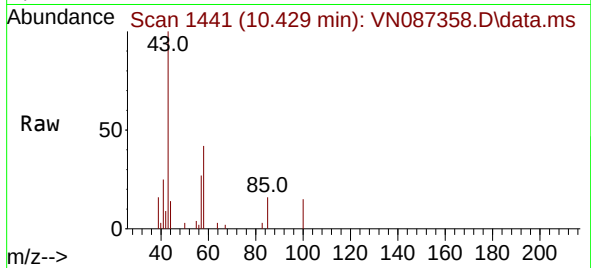




#58
4-Methyl-2-Pentanone
Concen: 3.751 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

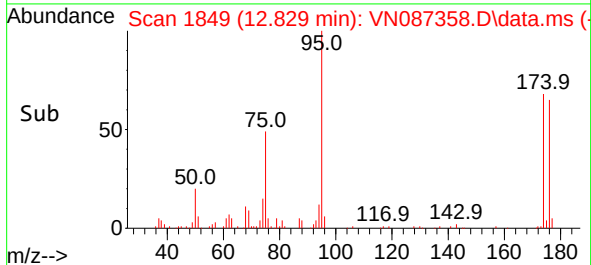
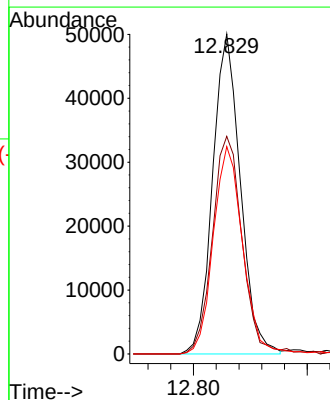
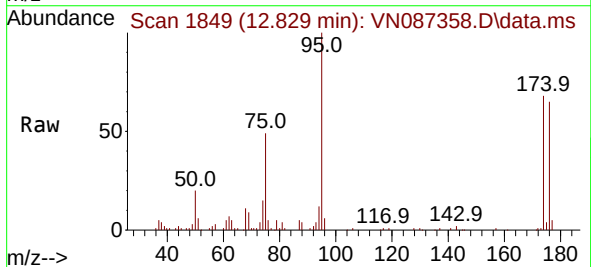
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

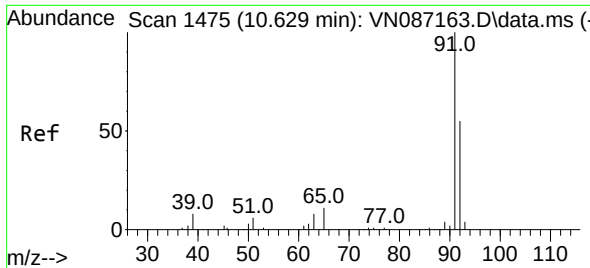
Tgt Ion:	43	Resp:	14161
Ion	Ratio	Lower	Upper
43	100		
58	33.9	32.6	49.0
85	15.0	14.6	22.0



#60
4-Bromofluorobenzene
Concen: 29.217 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Tgt Ion:	95	Resp:	84672
Ion	Ratio	Lower	Upper
95	100		
174	72.3	54.5	81.7
176	68.7	51.9	77.9

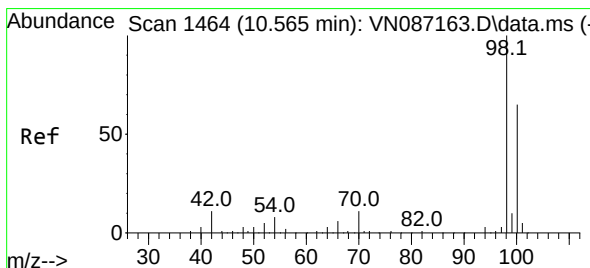
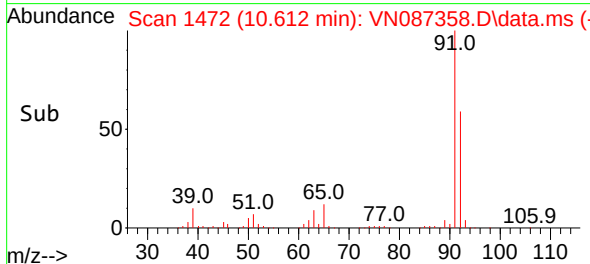
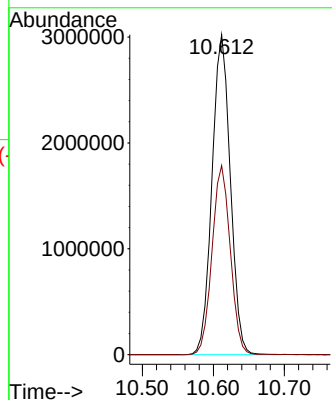
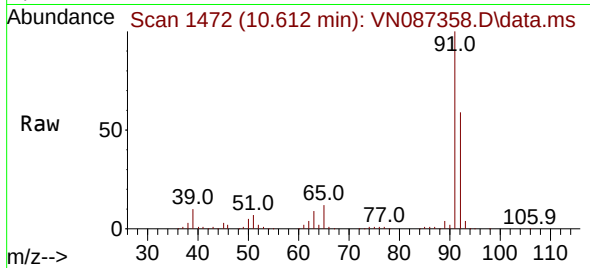




#62
Toluene
Concen: 509.603 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

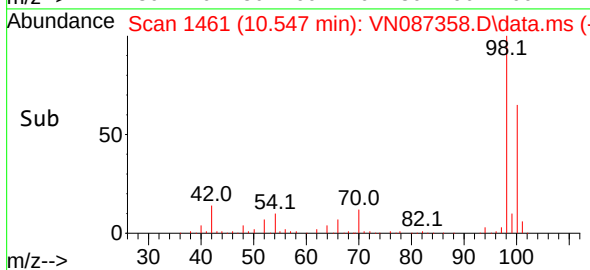
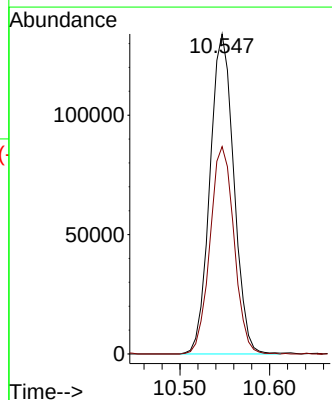
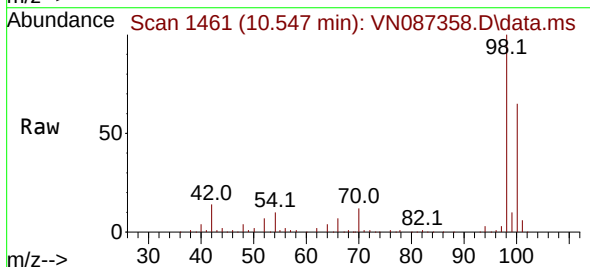
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

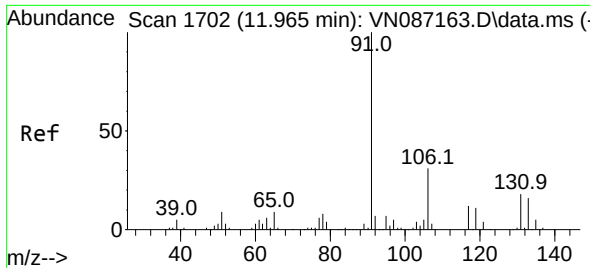
Tgt Ion: 91 Resp: 5405378
Ion Ratio Lower Upper
91 100
92 58.9 45.8 68.8



#63
Toluene-d8
Concen: 29.375 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Tgt Ion: 98 Resp: 247701
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7

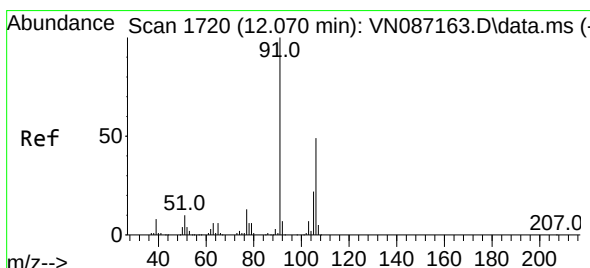
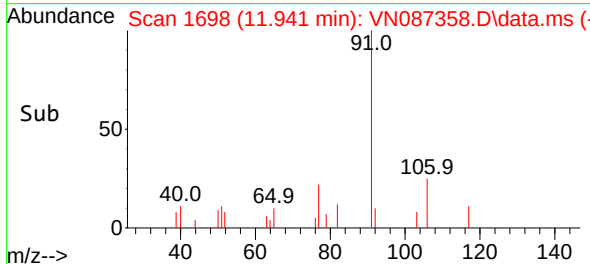
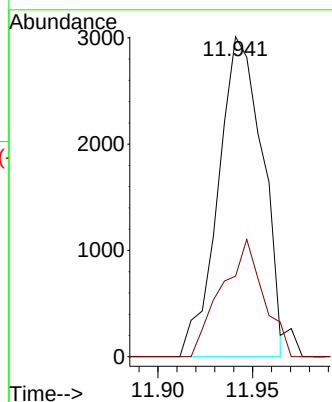
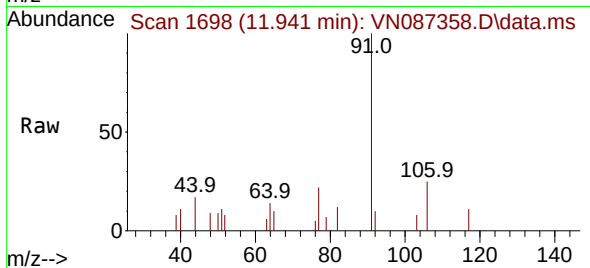




#66
Ethyl Benzene
Concen: 0.422 ug/l
RT: 11.941 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

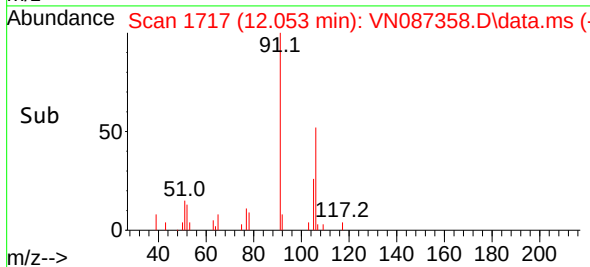
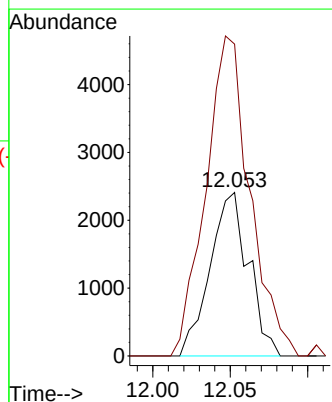
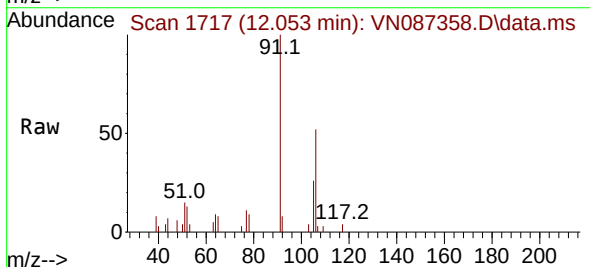
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

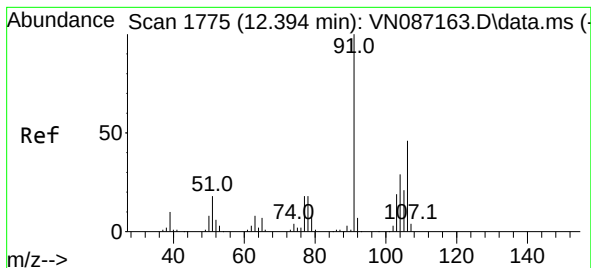
Tgt Ion: 91 Resp: 4899
Ion Ratio Lower Upper
91 100
106 25.1 24.8 37.2



#67
m/p-Xylenes
Concen: 0.937 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Tgt Ion:106 Resp: 4169
Ion Ratio Lower Upper
106 100
91 223.9 163.0 244.4





#68

o-Xylene

Concen: 0.470 ug/l

RT: 12.382 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN087358.D

Acq: 18 Jul 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

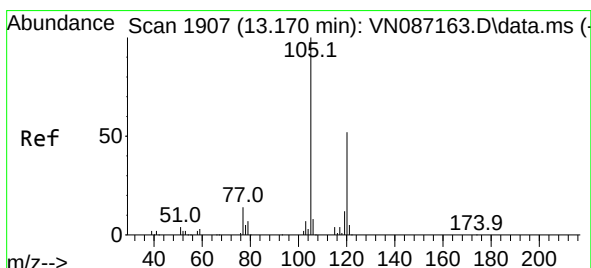
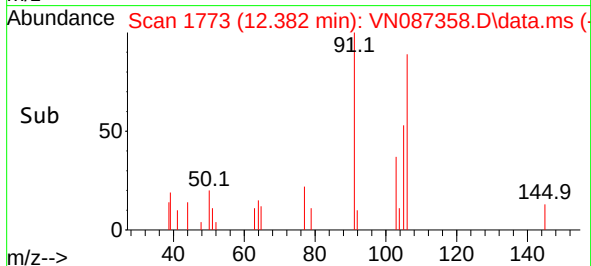
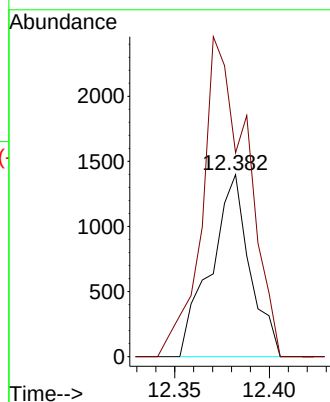
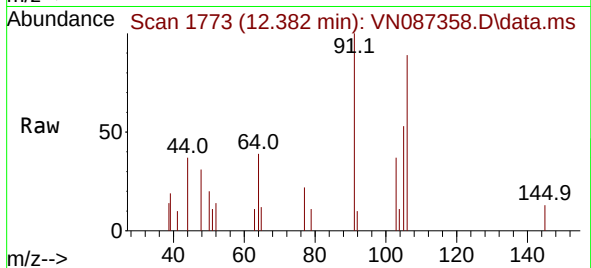
002 35th Ave (JUNE)

Tgt Ion:106 Resp: 1997

Ion Ratio Lower Upper

106 100

91 201.8 107.1 321.1



#76

1,3,5-Trimethylbenzene

Concen: 0.219 ug/l

RT: 13.153 min Scan# 1904

Delta R.T. -0.018 min

Lab File: VN087358.D

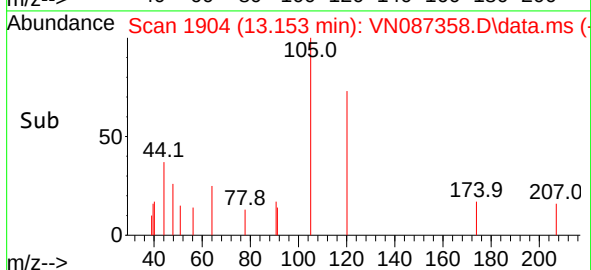
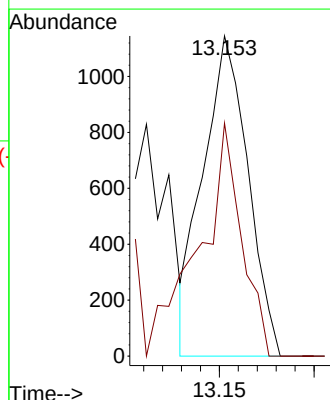
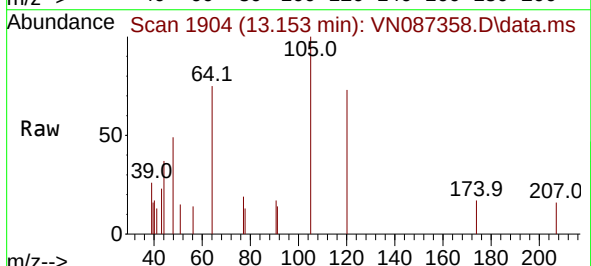
Acq: 18 Jul 2025 12:12

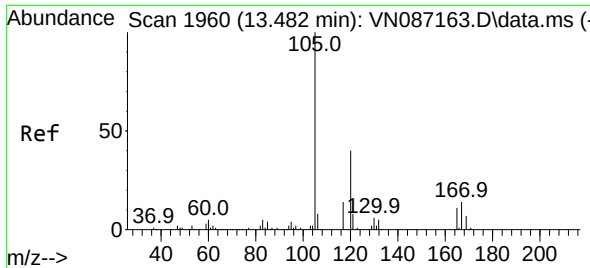
Tgt Ion:105 Resp: 1888

Ion Ratio Lower Upper

105 100

120 35.6 0.0 100.8

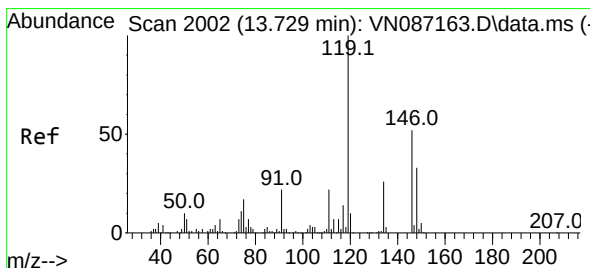
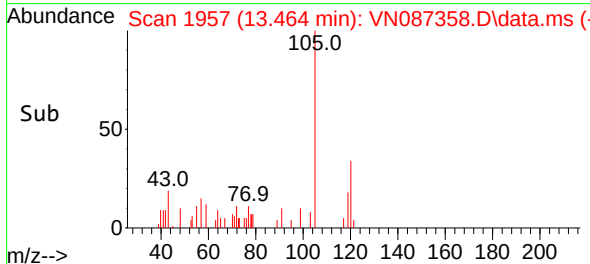
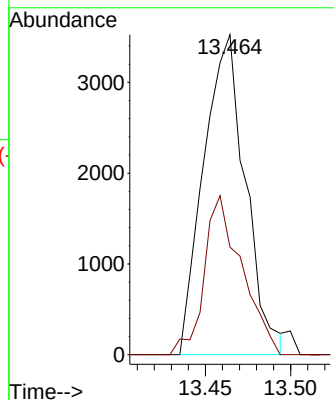
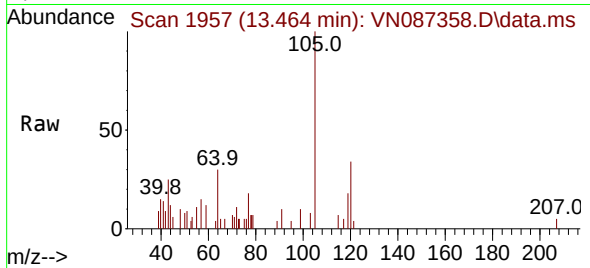




#80
1,2,4-Trimethylbenzene
Concen: 0.696 ug/l
RT: 13.464 min Scan# 1957
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

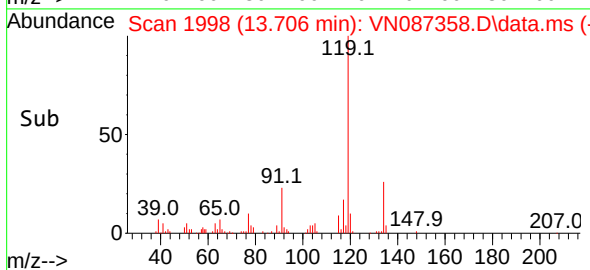
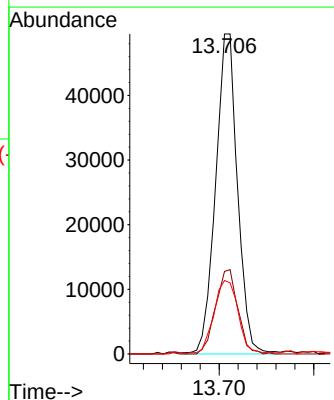
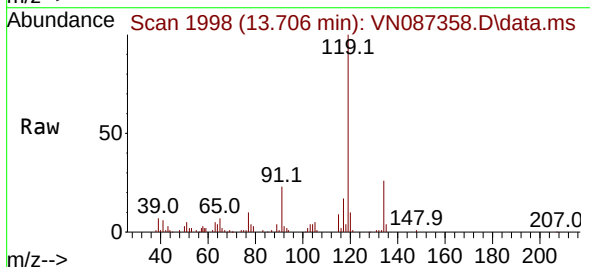
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

Tgt Ion:105 Resp: 6012
Ion Ratio Lower Upper
105 100
120 44.7 0.0 94.0



#82
p-Isopropyltoluene
Concen: 9.104 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.024 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Tgt Ion:119 Resp: 79671
Ion Ratio Lower Upper
119 100
134 26.6 0.0 51.2
91 25.6 0.0 46.4



Report of Analysis

Client:	Tully Environmental, Inc		Date Collected:	07/16/25	
Project:	Transfer Station-SPDES		Date Received:	07/17/25	
Client Sample ID:	002 35th Ave (JUNE)DL		SDG No.:	Q2630	
Lab Sample ID:	Q2630-02DL		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-BTEX	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087363.D	5	07/18/25 13:59	VN071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	2.30	UD	2.30	25.0	ug/L
108-88-3	Toluene	410	D	2.30	25.0	ug/L
100-41-4	Ethyl Benzene	2.80	UD	2.80	25.0	ug/L
179601-23-1	m/p-Xylenes	6.50	UD	6.50	50.0	ug/L
95-47-6	o-Xylene	3.40	UD	3.40	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.4		91 - 110	98%	SPK: 30
2037-26-5	Toluene-d8	29.7		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.1		63 - 112	94%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	45500	7.8			
540-36-3	1,4-Difluorobenzene	212000	9.082			
3114-55-4	Chlorobenzene-d5	193000	11.847			

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_N\Data\VN071825\
 Data File : VN087363.D
 Acq On : 18 Jul 2025 13:59
 Operator : JC\MD
 Sample : Q2630-02DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002 35th Ave (JUNE)DL

Quant Time: Jul 18 14:33:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

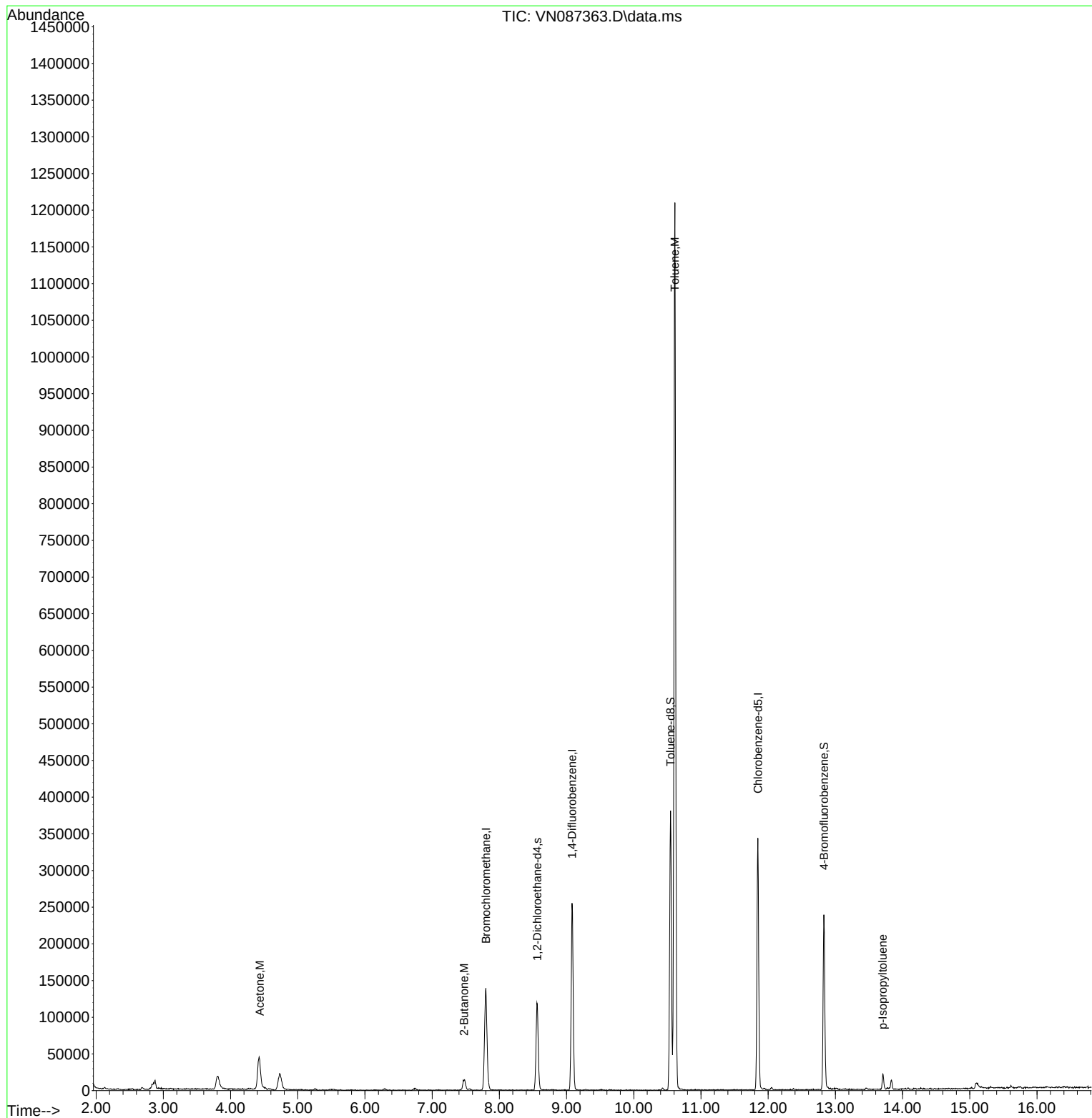
Internal Standards						
1) Bromochloromethane	7.800	128	45506	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.082	114	211698	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	193269	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	100699	29.370	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.900%
60) 4-Bromofluorobenzene	12.829	95	83753	28.083	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.600%
63) Toluene-d8	10.547	98	257514	29.675	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.933%
Target Compounds						
					Qvalue	
15) Acetone	4.436	58	25861	43.958	ug/l	94
30) 2-Butanone	7.477	43	26473	11.894	ug/l #	81
62) Toluene	10.612	91	896943	82.171	ug/l	99
82) p-Isopropyltoluene	13.706	119	11453	1.272	ug/l	97

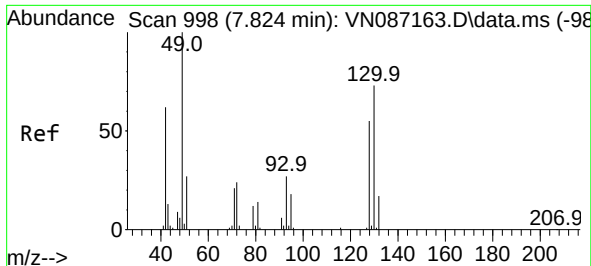
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087363.D
Acq On : 18 Jul 2025 13:59
Operator : JC\MD
Sample : Q2630-02DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)DL

Quant Time: Jul 18 14:33:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
Response via : Initial Calibration

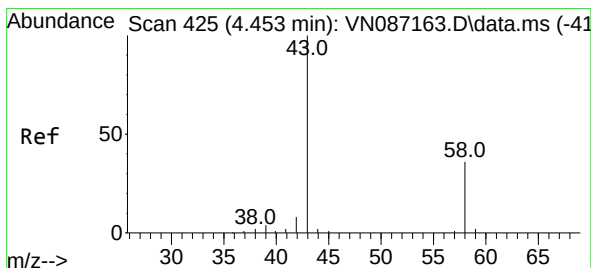
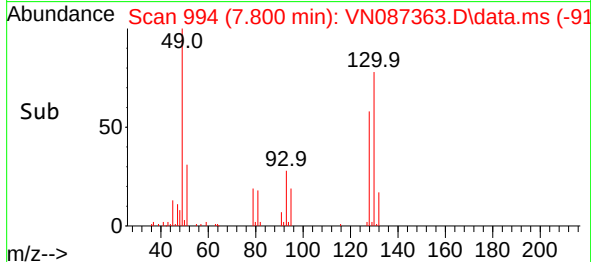
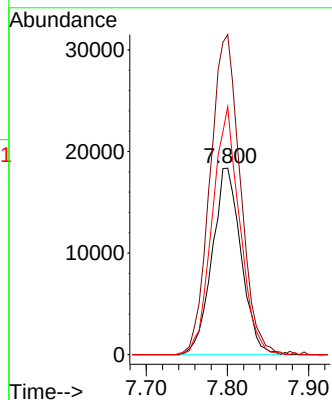
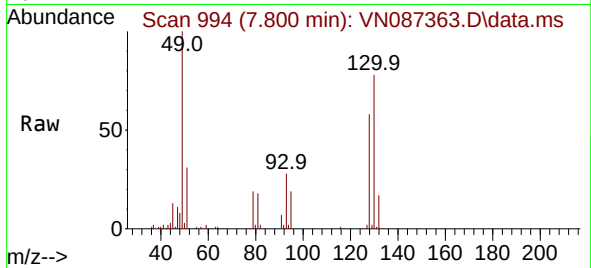




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 998
Delta R.T. -0.024 min
Lab File: VN087363.D
Acq: 18 Jul 2025 13:59

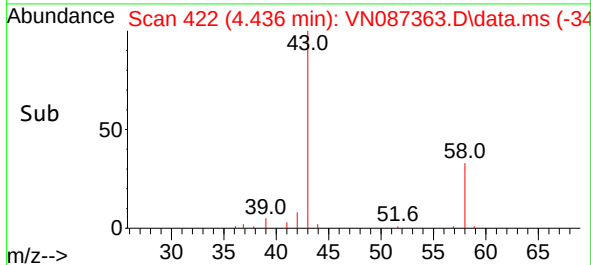
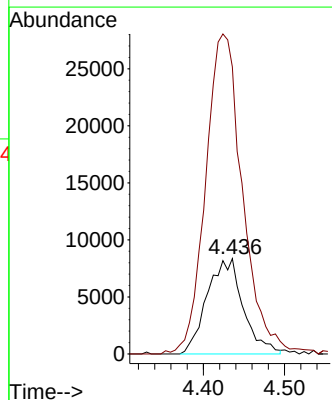
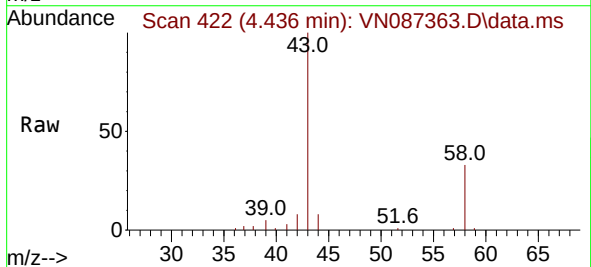
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)DL

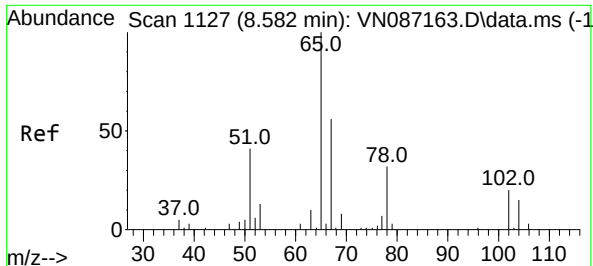
Tgt Ion:128 Resp: 45506
Ion Ratio Lower Upper
128 100
49 178.7 0.0 450.5
130 126.0 0.0 320.7



#15
Acetone
Concen: 43.958 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.018 min
Lab File: VN087363.D
Acq: 18 Jul 2025 13:59

Tgt Ion: 58 Resp: 25861
Ion Ratio Lower Upper
58 100
43 291.5 224.3 336.5

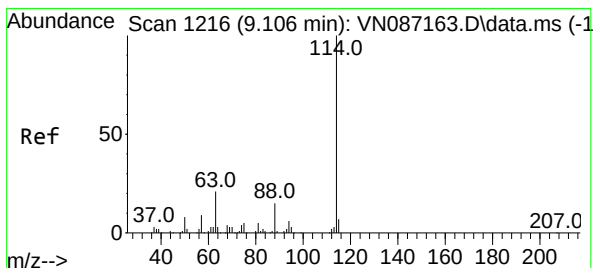
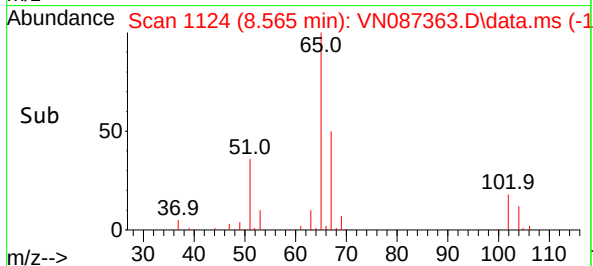
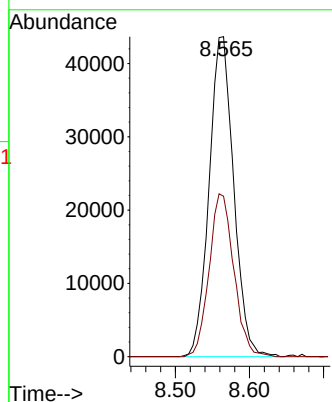
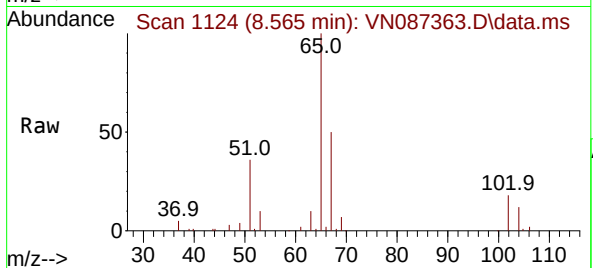




#27
 1,2-Dichloroethane-d4
 Concen: 29.370 ug/l
 RT: 8.565 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VN087363.D
 Acq: 18 Jul 2025 13:59

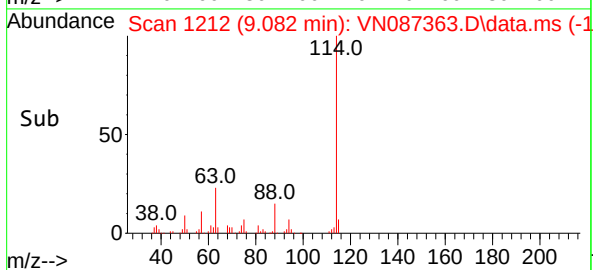
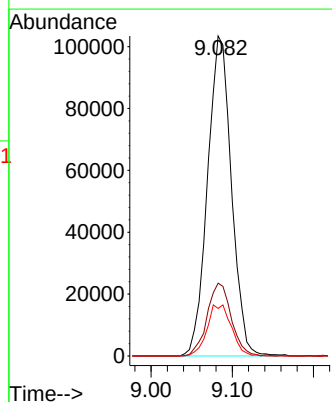
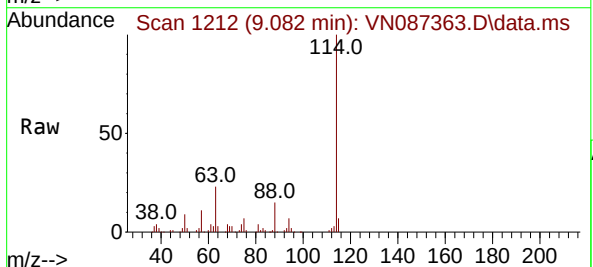
Instrument :
 MSVOA_N
 ClientSampleId :
 002 35th Ave (JUNE)DL

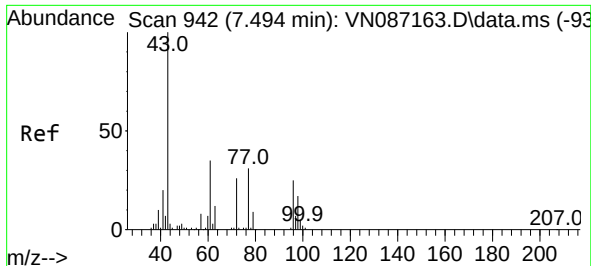
Tgt Ion: 65 Resp: 100699
 Ion Ratio Lower Upper
 65 100
 67 51.0 41.9 62.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.082 min Scan# 1212
 Delta R.T. -0.023 min
 Lab File: VN087363.D
 Acq: 18 Jul 2025 13:59

Tgt Ion: 114 Resp: 211698
 Ion Ratio Lower Upper
 114 100
 63 22.9 17.0 25.4
 88 16.1 12.6 19.0

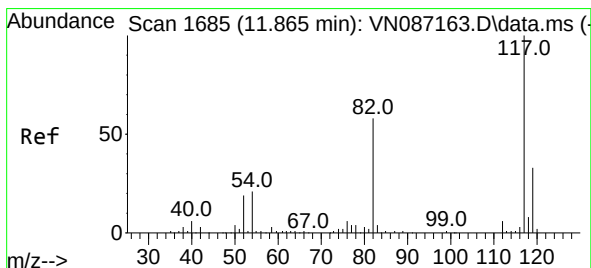
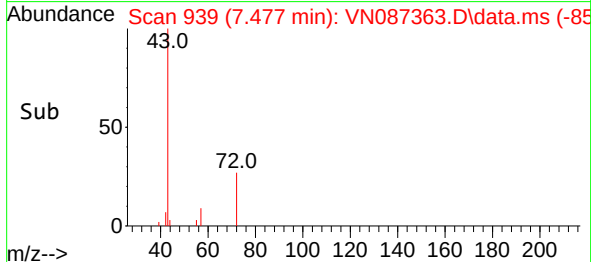
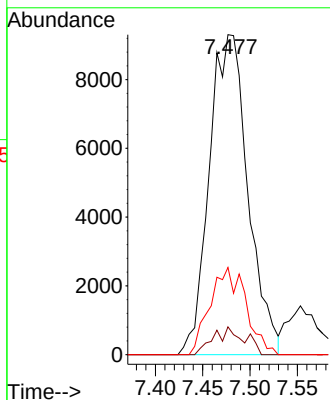
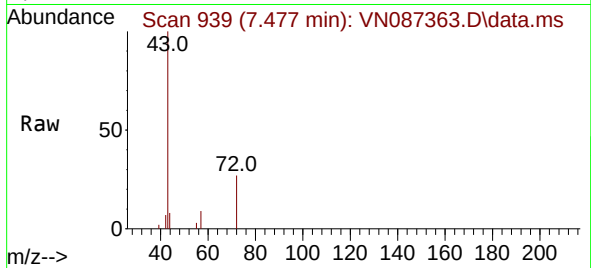




#30
2-Butanone
Concen: 11.894 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.018 min
Lab File: VN087363.D
Acq: 18 Jul 2025 13:59

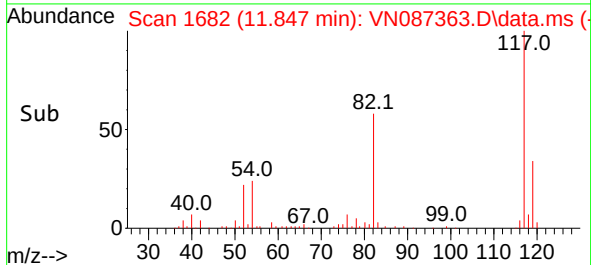
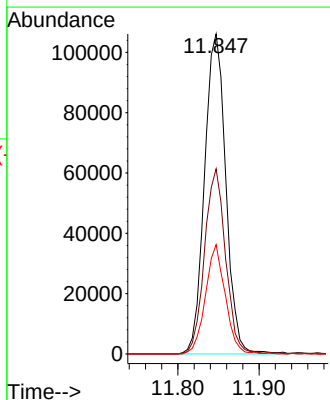
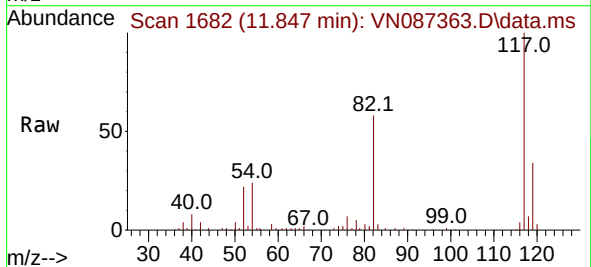
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)DL

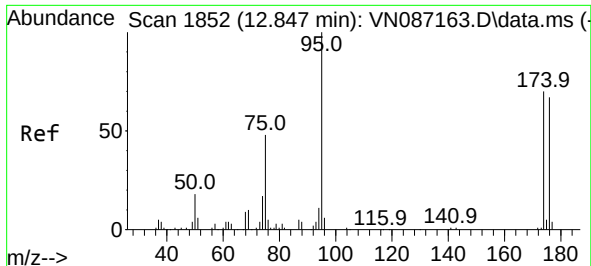
Tgt Ion: 43 Resp: 26473
Ion Ratio Lower Upper
43 100
57 3.0 6.3 9.5#
72 16.7 21.8 32.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.018 min
Lab File: VN087363.D
Acq: 18 Jul 2025 13:59

Tgt Ion: 117 Resp: 193269
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.2
119 31.6 26.2 39.4

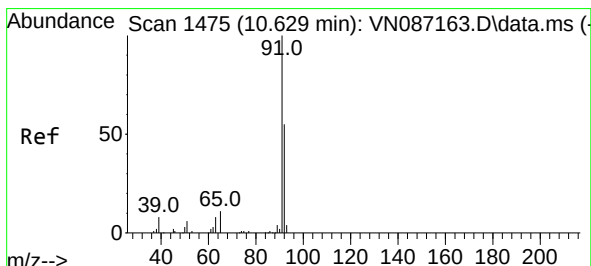
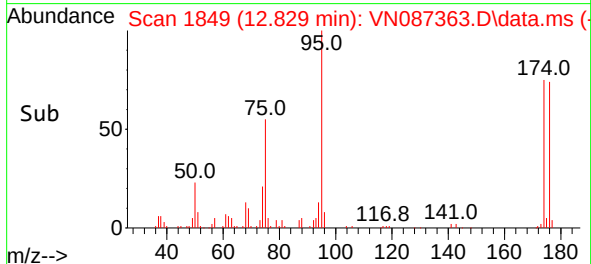
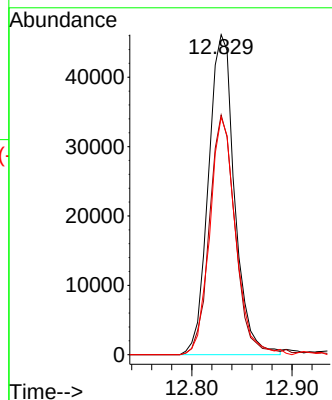
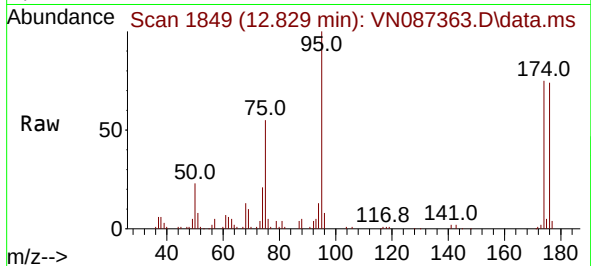




#60
4-Bromofluorobenzene
Concen: 28.083 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087363.D
Acq: 18 Jul 2025 13:59

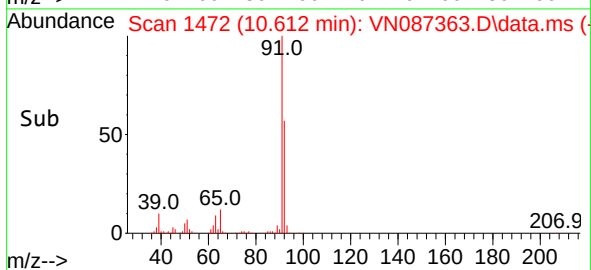
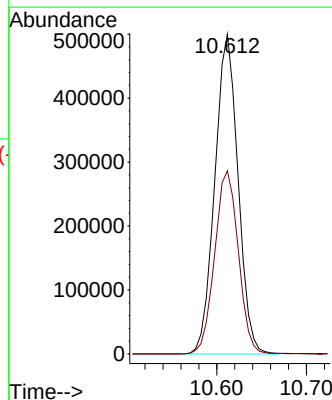
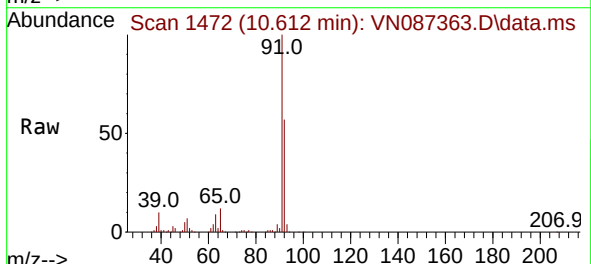
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)DL

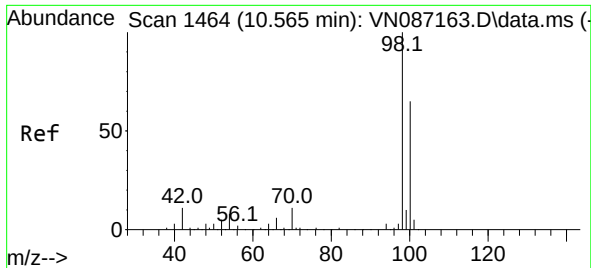
Tgt Ion: 95 Resp: 83753
Ion Ratio Lower Upper
95 100
174 73.1 54.5 81.7
176 72.6 51.9 77.9



#62
Toluene
Concen: 82.171 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.018 min
Lab File: VN087363.D
Acq: 18 Jul 2025 13:59

Tgt Ion: 91 Resp: 896943
Ion Ratio Lower Upper
91 100
92 58.3 45.8 68.8

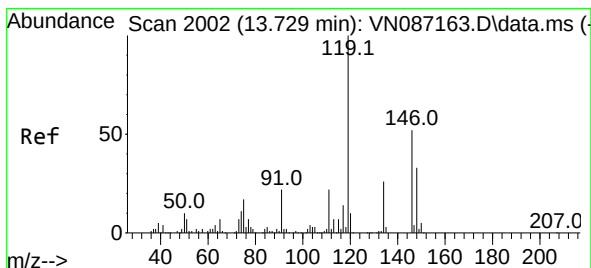
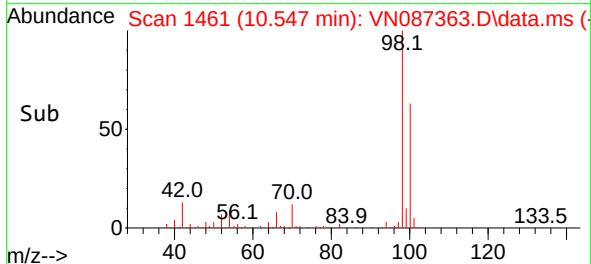
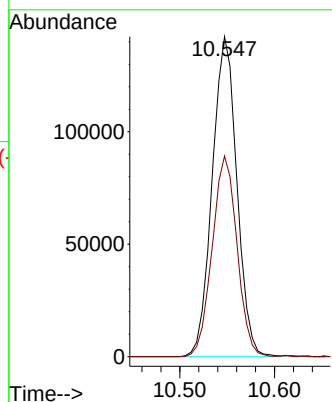
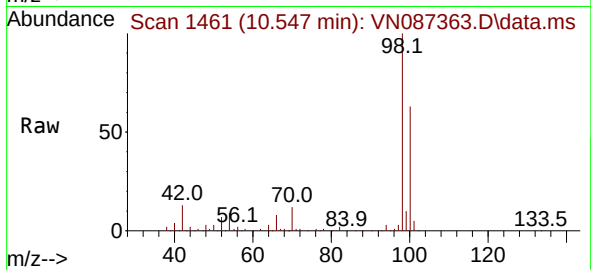




#63
Toluene-d8
Concen: 29.675 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087363.D
Acq: 18 Jul 2025 13:59

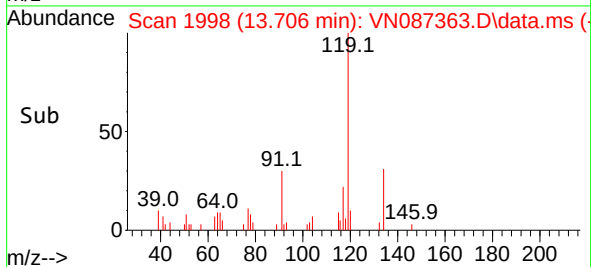
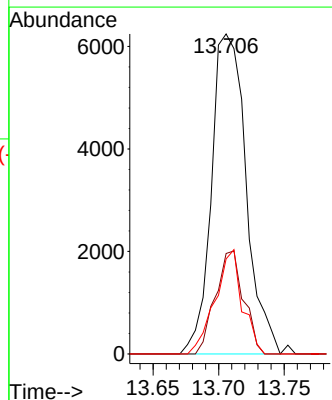
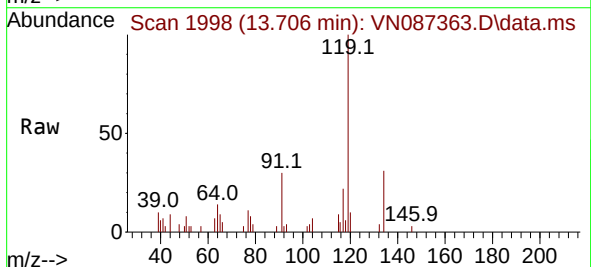
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)DL

Tgt Ion: 98 Resp: 257514
Ion Ratio Lower Upper
98 100
100 63.1 52.5 78.7



#82
p-Isopropyltoluene
Concen: 1.272 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.023 min
Lab File: VN087363.D
Acq: 18 Jul 2025 13:59

Tgt Ion: 119 Resp: 11453
Ion Ratio Lower Upper
119 100
134 26.3 0.0 51.2
91 25.6 0.0 46.4





CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>TULL01</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q2630</u>
Instrument ID: <u>MSVOA_N</u>	Calibration Date(s): <u>06/25/2025</u> <u>06/25/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>08:59</u> <u>10:24</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID:		RRF005 = VN087162.D		RRF020 = VN087163.D		RRF050 = VN087164.D		
		RRF100 = VN087165.D		RRF150 = VN087166.D		RRF =		
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	RRF	% RSD
Benzene	1.576	1.309	1.574	1.454	1.494		1.481	7.4
Toluene	1.839	1.550	1.720	1.643	1.720		1.694	6.3
Ethyl Benzene	1.847	1.649	1.926	1.899	1.952		1.855	6.5
m/p-Xylenes	0.694	0.636	0.742	0.734	0.747		0.711	6.5
o-Xylene	0.650	0.604	0.709	0.706	0.720		0.678	7.3
1,2-Dichloroethane-d4	2.394	2.309	2.211	2.236	2.153		2.260	4.1
Toluene-d8	1.386	1.399	1.314	1.311	1.325		1.347	3.2
4-Bromofluorobenzene	0.439	0.448	0.470	0.489	0.468		0.463	4.3

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N062525W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Jun 25 10:49:56 2025
 Response Via : Initial Calibration

Calibration Files

5 =VN087162.D 20 =VN087163.D 50 =VN087164.D 100 =VN087165.D 150 =VN087166.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.971	1.652	1.736	1.761	1.909	1.806	7.24
3) M	Chloromethane	2.014	1.562	1.799	1.846	2.001	1.844	9.98
4) M	Vinyl Chloride	2.146	1.799	1.922	1.946	2.209	2.005	8.44
5) M	Bromomethane	1.205	0.965	0.990	1.020	1.139	1.064	9.72
6) M	Chloroethane	1.140	0.966	1.040	1.070	1.161	1.075	7.33
7) M	Trichlorofluorom...	2.644	2.322	2.382	2.400	2.546	2.459	5.39
8) T	Diethyl Ether	1.247	1.074	1.171	1.220	1.328	1.208	7.77
9)	1,1,2-Trichlorot...	1.941	1.681	1.788	1.785	1.920	1.823	5.89
10) M	1,1-Dichloroethene	1.930	1.676	1.779	1.772	1.929	1.817	6.06
11)	Methyl Iodide	1.117	1.292	1.735	1.883	2.114	1.628	25.45
12)	Methyl Acetate	2.817	2.616	2.857	2.889	3.074	2.851	5.75
13) M	Acrolein	0.397	0.359	0.407	0.454	0.574	0.438	18.98
14) M	Acrylonitrile	1.315	1.227	1.344	1.334	1.428	1.330	5.41
15) M	Acetone	0.423	0.367	0.386	0.373	0.390	0.388	5.66
16) M	Carbon Disulfide	6.114	4.847	5.126	5.051	5.429	5.313	9.29
17)	Allyl chloride	3.092	2.759	2.988	2.969	3.179	2.997	5.26
18) M	Methylene Chloride	2.339	1.947	2.062	2.025	2.153	2.105	7.14
19) M	trans-1,2-Dichlo...	2.191	1.821	1.955	1.916	2.054	1.987	7.11
20) T	Diisopropyl ether	6.275	6.084	6.540	6.352	6.546	6.359	3.05
21) M	1,1-Dichloroethane	4.181	3.580	3.726	3.650	3.867	3.801	6.26
22) M	cis-1,2-Dichloro...	2.324	2.093	2.374	2.269	2.506	2.313	6.53
23) M	tert-Butyl Alcohol	0.496	0.453	0.505	0.506	0.540	0.500	6.19
24) M	Methyl tert-Buty...	6.446	5.734	6.377	6.408	6.903	6.374	6.55
25) M	Chloroform	3.901	3.326	3.659	3.568	3.753	3.641	5.90
26)	Cyclohexane	3.125	2.822	3.197	3.208	3.445	3.159	7.09
27) s	1,2-Dichloroetha...	2.394	2.309	2.211	2.236	2.153	2.260	4.12
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.474	0.400	0.502	0.461	0.501	0.468	8.87
30) M	2-Butanone	0.292	0.286	0.342	0.316	0.341	0.315	8.38
31)	2,2-Dichloropropane	0.584	0.518	0.597	0.538	0.585	0.564	6.13
32) M	1,1,1-Trichloroe...	0.563	0.497	0.582	0.524	0.565	0.546	6.31
33) M	Carbon Tetrachlo...	0.493	0.398	0.480	0.447	0.480	0.460	8.41
34) M	Benzene	1.576	1.309	1.574	1.454	1.494	1.481	7.41
35)	Methacrylonitrile	0.314	0.284	0.342	0.314	0.335	0.318	7.03
36) M	1,2-Dichloroethane	0.517	0.442	0.507	0.457	0.471	0.479	6.70
37) M	Trichloroethene	0.371	0.294	0.352	0.336	0.355	0.342	8.55
38)	Methylcyclohexane	0.545	0.472	0.533	0.551	0.582	0.537	7.50
39) M	1,2-Dichloropropane	0.397	0.348	0.369	0.363	0.382	0.372	5.07
40)	Dibromomethane	0.268	0.235	0.258	0.247	0.257	0.253	5.03
41) M	Bromodichloromet...	0.537	0.482	0.522	0.485	0.525	0.510	4.94
42) M	Vinyl Acetate	1.007	0.948	1.108	1.006	1.062	1.026	5.95
43)	Ethyl Acetate	0.446	0.561	0.655	0.570	0.615	0.569	13.78
44)	Isopropyl Acetate	0.937	0.835	0.997	0.918	0.951	0.928	6.42
45) T	1,4-Dioxane	0.006	0.006	0.007	0.007	0.007	0.006	10.25
46)	Methyl methacrylate	0.420	0.396	0.447	0.432	0.462	0.431	5.84
47)	n-amyl Acetate	0.534	0.506	0.565	0.576	0.655	0.567	9.89
48) M	t-1,3-Dichloropr...	0.553	0.512	0.613	0.554	0.612	0.569	7.62
49) T	cis-1,3-Dichloro...	0.616	0.568	0.606	0.585	0.649	0.605	5.13
50) M	1,1,2-Trichloroe...	0.388	0.333	0.376	0.332	0.366	0.359	7.04
51)	Ethyl methacrylate	0.420	0.470	0.614	0.578	0.651	0.547	17.88
52)	1,3-Dichloropropane	0.638	0.573	0.651	0.579	0.642	0.617	6.11
53) M	Dibromochloromet...	0.373	0.343	0.401	0.363	0.405	0.377	6.99
54) M	1,2-Dibromoethane	0.381	0.344	0.382	0.358	0.389	0.371	5.10
55) M	2-Chloroethyl vi...	0.297	0.291	0.314	0.319	0.345	0.313	6.82
56) M	Bromoform	0.258	0.234	0.271	0.258	0.276	0.259	6.27

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N062525W.M

		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.557	0.547	0.645	0.630	0.637	0.603	7.80
59) M	2-Hexanone	0.305	0.322	0.440	0.428	0.452	0.389	17.98
60) S	4-Bromofluoroben...	0.439	0.448	0.470	0.489	0.468	0.463	4.27
61) M	Tetrachloroethene	0.334	0.268	0.301	0.281	0.301	0.297	8.44
62) M	Toluene	1.839	1.550	1.720	1.643	1.720	1.694	6.31
63) S	Toluene-d8	1.386	1.399	1.314	1.311	1.325	1.347	3.15
64) M	Chlorobenzene	1.136	0.985	1.106	1.071	1.106	1.081	5.40
65)	1,1,1,2-Tetrachl...	0.376	0.326	0.365	0.354	0.365	0.357	5.38
66) M	Ethyl Benzene	1.847	1.649	1.926	1.899	1.952	1.855	6.55
67) M	m/p-Xylenes	0.694	0.636	0.742	0.734	0.747	0.711	6.52
68) M	o-Xylene	0.650	0.604	0.709	0.706	0.720	0.678	7.29
69) M	Styrene	1.086	1.039	1.240	1.213	1.242	1.164	8.14
70)	Isopropylbenzene	1.623	1.479	1.789	1.764	1.788	1.689	8.04
71) M	1,1,2,2-Tetrachl...	0.624	0.566	0.635	0.606	0.608	0.608	4.37
72)	1,2,3-Trichlorop...	0.610	0.465	0.528	0.512	0.505	0.524	10.20
73)	Bromobenzene	0.416	0.361	0.427	0.417	0.427	0.410	6.80
74)	n-propylbenzene	1.920	1.807	2.222	2.185	2.181	2.063	9.08
75)	2-Chlorotoluene	1.226	1.080	1.317	1.300	1.309	1.246	8.01
76)	1,3,5-Trimethylb...	1.275	1.181	1.499	1.466	1.453	1.375	10.12
77)	t-1,4-Dichloro-2...	0.209	0.196	0.247	0.252	0.258	0.232	12.00
78)	4-Chlorotoluene	1.220	1.108	1.372	1.339	1.345	1.276	8.70
79)	tert-butylbenzene	1.025	0.987	1.271	1.250	1.244	1.156	11.89
80)	1,2,4-Trimethylb...	1.238	1.178	1.523	1.476	1.486	1.380	11.56
81)	sec-Butylbenzene	1.576	1.473	1.845	1.794	1.711	1.680	9.16
82)	p-Isopropyltoluene	1.224	1.267	1.534	1.519	1.446	1.398	10.30
83) M	1,3-Dichlorobenzene	0.782	0.717	0.840	0.823	0.782	0.789	6.06
84) M	1,4-Dichlorobenzene	0.791	0.714	0.852	0.823	0.788	0.794	6.53
85)	n-Butylbenzene	1.118	1.152	1.432	1.368	1.307	1.275	10.68
86) T	Hexachloroethane	0.269	0.227	0.281	0.278	0.267	0.265	8.21
87) M	1,2-Dichlorobenzene	0.719	0.670	0.805	0.781	0.743	0.744	7.10
88)	1,2-Dibromo-3-Ch...	0.130	0.122	0.143	0.142	0.147	0.137	7.58
89)	1,2,4-Trichlorob...	0.399	0.379	0.416	0.449	0.460	0.421	7.97
90)	Hexachlorobutadiene	0.123	0.112	0.132	0.129	0.129	0.125	6.28
91) M	Naphthalene	1.425	1.442	1.726	1.806	1.881	1.656	12.71
92)	1,2,3-Trichlorob...	0.399	0.379	0.416	0.449	0.460	0.421	7.97

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087162.D
 Acq On : 25 Jun 2025 08:59
 Operator : JC\MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

06/25/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Jun 25 10:38:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:38:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	35930	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	205072	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	186292	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	86000	34.837	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	116.133%#
60) 4-Bromofluorobenzene	12.847	95	81752	27.951	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.167%
63) Toluene-d8	10.565	98	258286	30.207	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	11802	4.836	ug/l	96
3) Chloromethane	2.401	50	12062	3.834	ug/l	94
4) Vinyl Chloride	2.554	62	12853	4.439	ug/l	96
5) Bromomethane	2.995	94	7218	4.705	ug/l	91
6) Chloroethane	3.153	64	6828	3.856	ug/l #	84
7) Trichlorofluoromethane	3.524	101	15836	4.670	ug/l	96
8) Diethyl Ether	3.983	74	7465	5.277	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.395	101	11626	5.594	ug/l	97
10) 1,1-Dichloroethene	4.365	96	11558	5.455	ug/l	97
11) Methyl Iodide	4.618	142	6687	2.677	ug/l	96
12) Methyl Acetate	5.047	43	16869	7.169	ug/l	100
13) Acrolein	4.200	56	11876	48.853	ug/l	97
14) Acrylonitrile	5.742	53	39359	35.942	ug/l	98
15) Acetone	4.459	58	12676	45.718	ug/l	78
16) Carbon Disulfide	4.742	76	36612	5.919	ug/l	98
17) Allyl chloride	5.047	41	18516	5.882	ug/l	91
18) Methylene Chloride	5.295	84	14009	5.693	ug/l	95
19) trans-1,2-Dichloroethene	5.806	96	13122	5.918	ug/l	93
20) Diisopropyl ether	6.683	45	37574	5.420	ug/l	95
21) 1,1-Dichloroethane	6.583	63	25040	5.985	ug/l	99
22) cis-1,2-Dichloroethene	7.500	96	13914	5.181	ug/l	96
23) tert-Butyl Alcohol	5.542	59	14840m	42.200	ug/l	
24) Methyl tert-Butyl Ether	5.812	73	38602	5.528	ug/l	98
25) Chloroform	7.977	83	23358	5.704	ug/l	99
26) Cyclohexane	8.259	56	18712	5.167	ug/l #	97
29) 1,1-Dichloropropene	8.377	75	16196	5.372	ug/l	99
30) 2-Butanone	7.494	43	49880	37.757	ug/l	100
31) 2,2-Dichloropropane	7.500	77	19968	5.610	ug/l	96
32) 1,1,1-Trichloroethane	8.183	97	19246	5.506	ug/l	97
33) Carbon Tetrachloride	8.365	117	16865m	5.645	ug/l	
34) Benzene	8.612	78	53867	5.491	ug/l #	91
35) Methacrylonitrile	7.794	41	10743m	7.079	ug/l	
36) 1,2-Dichloroethane	8.677	62	17661	6.143	ug/l	99
37) Trichloroethene	9.359	130	12692	4.664	ug/l	85
38) Methylcyclohexane	9.600	83	18613	5.564	ug/l	97
39) 1,2-Dichloropropane	9.624	63	13584	5.751	ug/l	94
40) Dibromomethane	9.712	93	9171	5.937	ug/l	96
41) Bromodichloromethane	9.888	83	18357	5.677	ug/l	99
42) Vinyl Acetate	6.618	43	172005	44.667	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087162.D
 Acq On : 25 Jun 2025 08:59
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

06/25/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Jun 25 10:38:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:38:24 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	15251m	5.642	ug/l	
44) Isopropyl Acetate	8.694	43	32041	6.909	ug/l	98
45) 1,4-Dioxane	9.706	88	3765	91.346	ug/l	85
46) Methyl methacrylate	9.682	41	14340	6.706	ug/l	88
47) n-amyl Acetate	12.712	43	18265m	4.906	ug/l	
48) t-1,3-Dichloropropene	10.841	75	18916	5.467	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	21045	5.529	ug/l	92
50) 1,1,2-Trichloroethane	11.024	97	13266	6.097	ug/l	90
51) Ethyl methacrylate	10.888	69	14365m	4.077	ug/l	
52) 1,3-Dichloropropane	11.165	76	21815	5.650	ug/l	100
53) Dibromochloromethane	11.359	129	12745	5.184	ug/l	98
54) 1,2-Dibromoethane	11.471	107	13009	5.849	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	50795	30.031	ug/l	99
56) Bromoform	12.576	173	8824	5.696	ug/l #	93
58) 4-Methyl-2-Pentanone	10.447	43	86443	31.623	ug/l	99
59) 2-Hexanone	11.224	43	47317m	24.166	ug/l	
61) Tetrachloroethene	11.100	164	10375	3.313	ug/l	91
62) Toluene	10.629	91	57093	5.442	ug/l	99
64) Chlorobenzene	11.894	112	35274	5.272	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	11689	5.318	ug/l	98
66) Ethyl Benzene	11.965	91	57341	5.053	ug/l	97
67) m/p-Xylenes	12.071	106	43110	9.681	ug/l	97
68) o-Xylene	12.394	106	20187	4.677	ug/l	97
69) Styrene	12.412	104	33711	4.688	ug/l	99
70) Isopropylbenzene	12.694	105	50380	4.908	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	19389	7.945	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	18949m	6.625	ug/l	
73) Bromobenzene	12.982	156	12917	5.063	ug/l	91
74) n-propylbenzene	13.035	91	59601	4.902	ug/l	100
75) 2-Chlorotoluene	13.123	91	38061	4.877	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	39593	4.636	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	6495	5.549	ug/l	95
78) 4-Chlorotoluene	13.223	91	37874	4.899	ug/l	99
79) tert-butylbenzene	13.435	119	31816	4.309	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	38448	4.486	ug/l	98
81) sec-Butylbenzene	13.612	105	48920	4.864	ug/l	99
82) p-Isopropyltoluene	13.723	119	37999	4.499	ug/l	97
83) 1,3-Dichlorobenzene	13.729	146	24271	5.185	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	24573	5.276	ug/l	99
85) n-Butylbenzene	14.053	91	34704	4.908	ug/l	98
86) Hexachloroethane	14.329	117	8365	5.811	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	22335	4.947	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	4038	7.857	ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	12402	6.563	ug/l	99
90) Hexachlorobutadiene	15.494	225	3815	4.711	ug/l	97
91) Naphthalene	15.635	128	44237	6.710	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	12402	6.563	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087162.D
Acq On : 25 Jun 2025 08:59
Operator : JC\MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

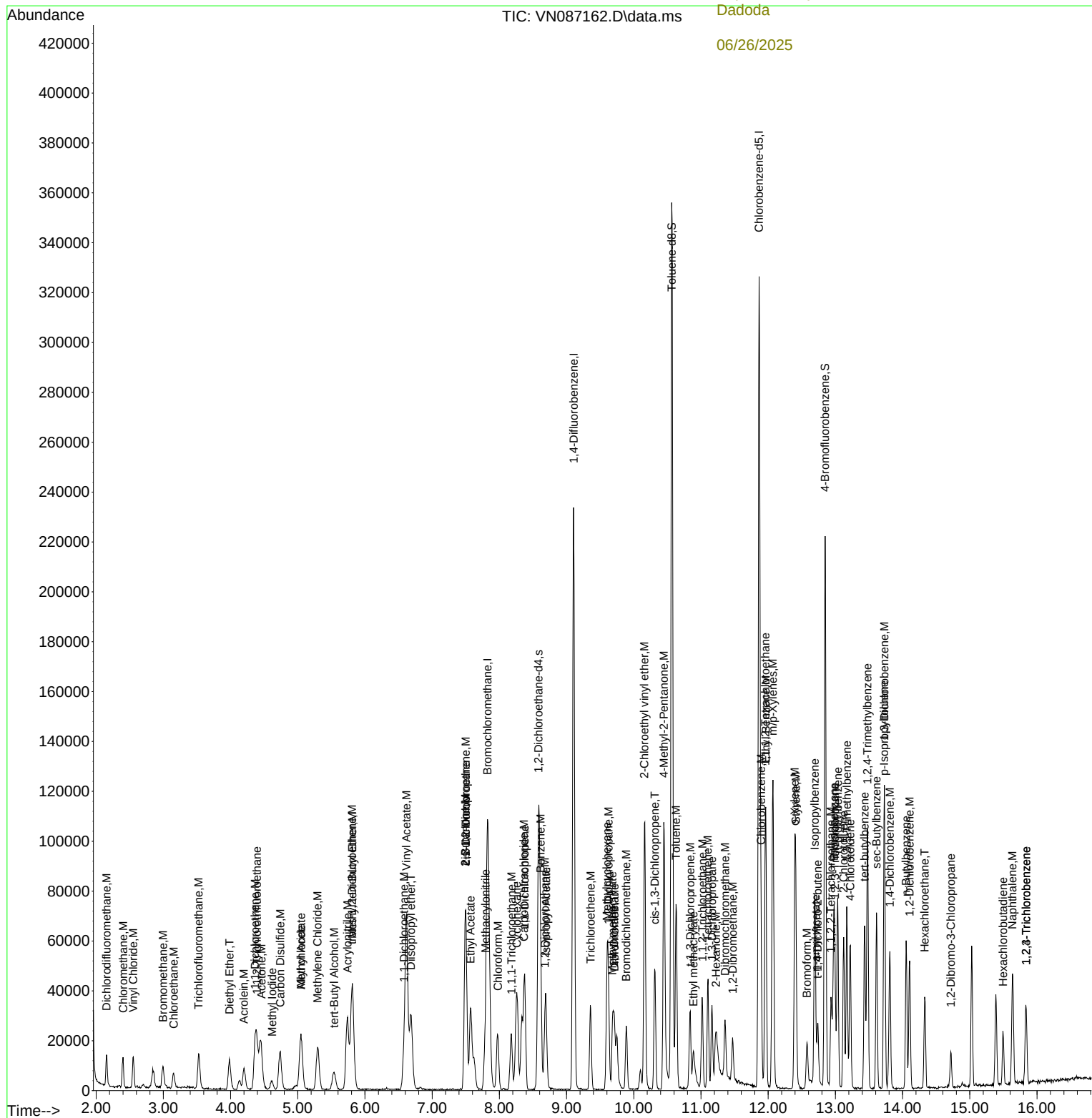
Manual Integrations
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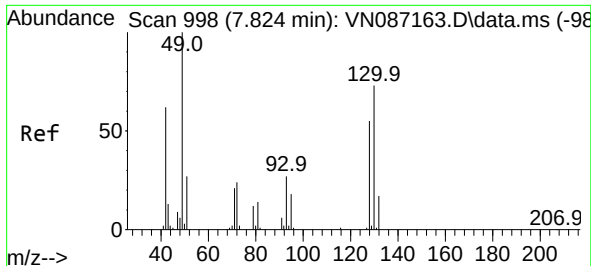
Reviewed By :John
Carlone

06/25/2025
Supervised By :Mahesh
Dadoda

06/26/2025

Quant Time: Jun 25 10:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

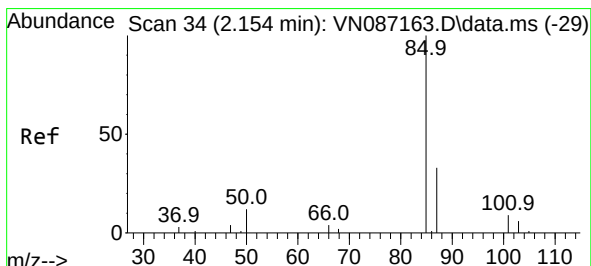
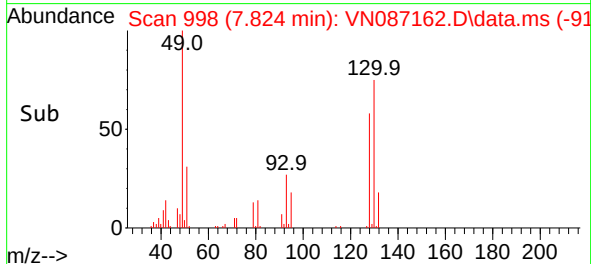
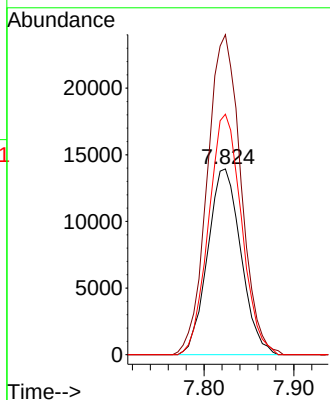
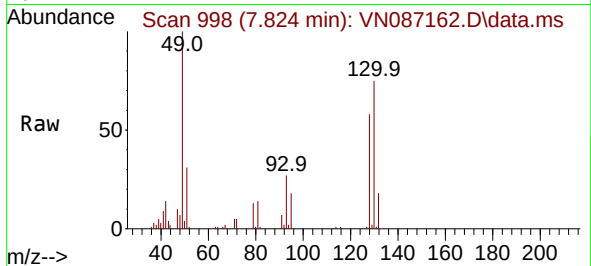
Tgt Ion:128 Resp: 35930
Ion Ratio Lower Upper
128 100
49 173.9 0.0 450.5
130 128.3 0.0 320.7

Manual Integrations
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Reviewed By :John
Carlone

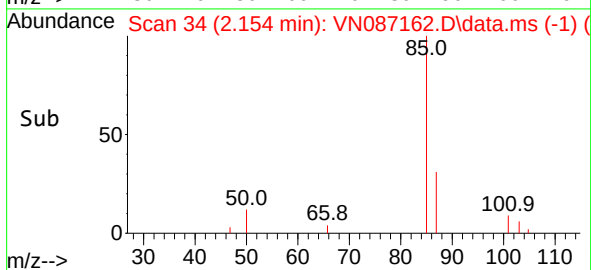
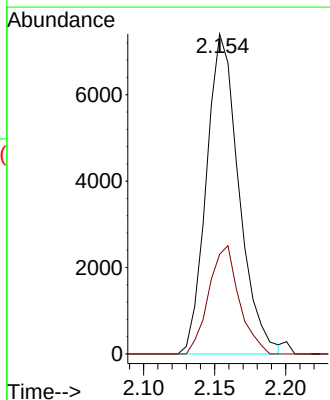
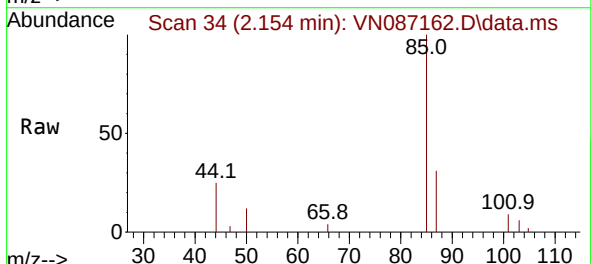
06/25/2025
Supervised By :Mahesh
Dadoda

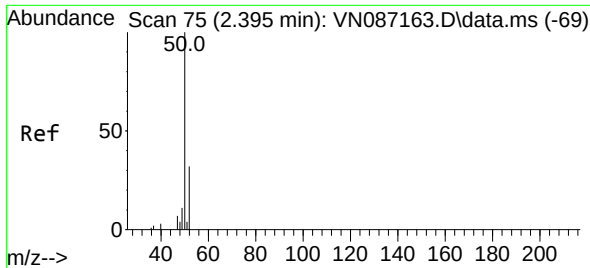
06/26/2025



#2
Dichlorodifluoromethane
Concen: 4.836 ug/l
RT: 2.154 min Scan# 34
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion: 85 Resp: 11802
Ion Ratio Lower Upper
85 100
87 31.2 16.7 50.0





#3
Chloromethane
Concen: 3.834 ug/l
RT: 2.401 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

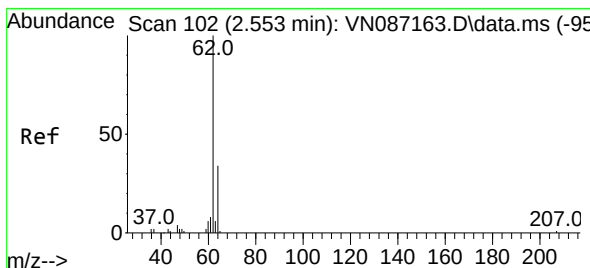
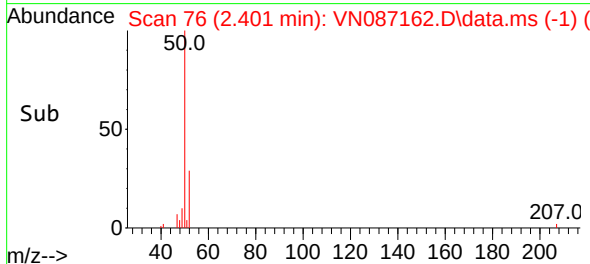
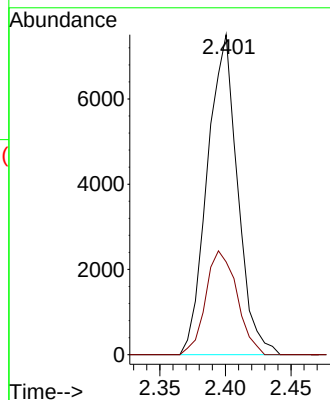
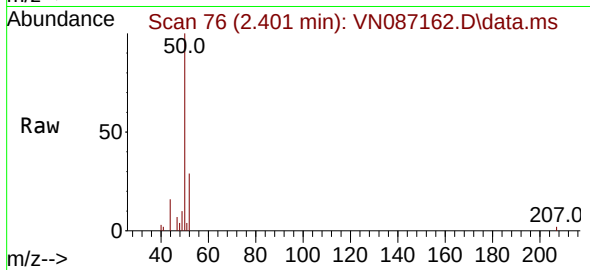
Tgt Ion: 50 Resp: 1206
Ion Ratio Lower Upper
50 100
52 29.0 25.9 38.9

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Reviewed By :John
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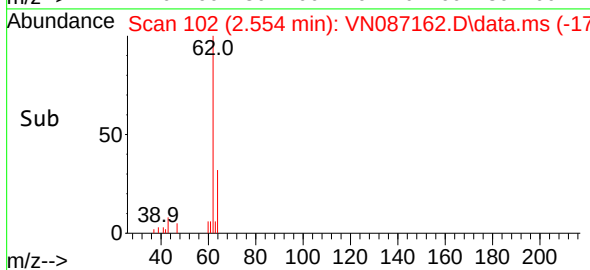
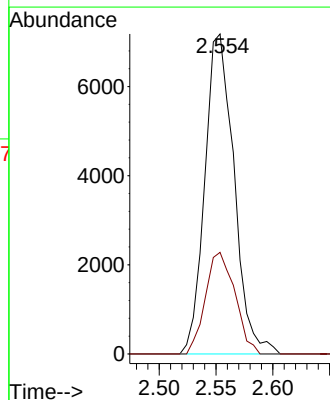
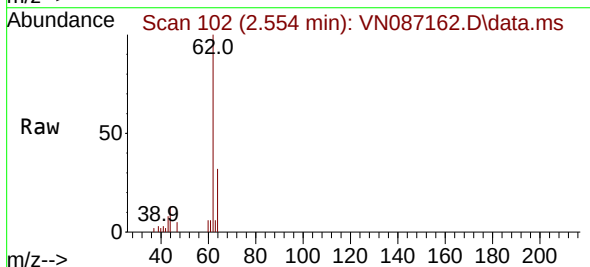
06/25/2025
Supervised By :Mahesh
Dadoda

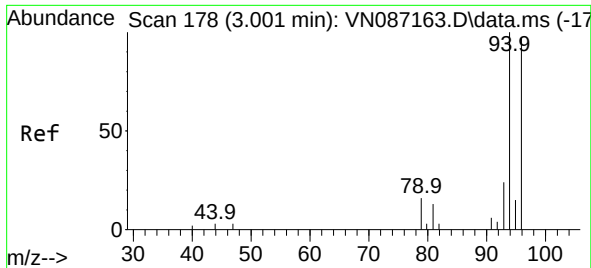
06/26/2025



#4
Vinyl Chloride
Concen: 4.439 ug/l
RT: 2.554 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion: 62 Resp: 12853
Ion Ratio Lower Upper
62 100
64 31.8 27.4 41.2





#5
Bromomethane
Concen: 4.705 ug/l
RT: 2.995 min Scan# 178
Delta R.T. -0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

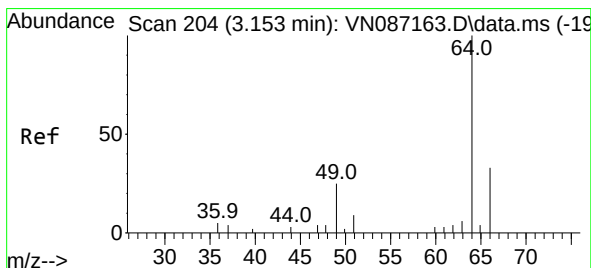
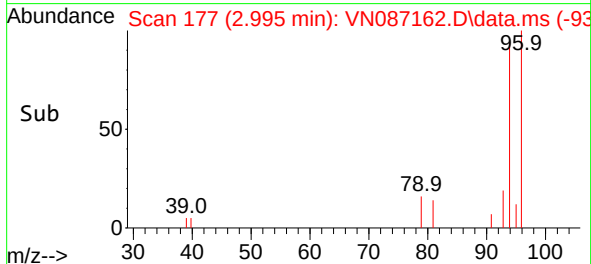
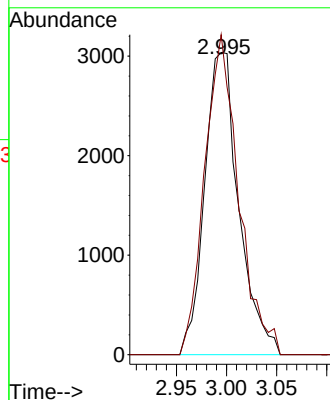
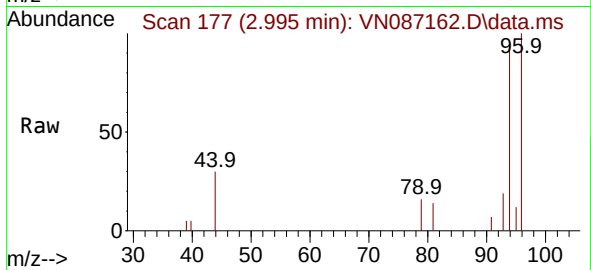
Tgt Ion: 94 Resp: 7218
Ion Ratio Lower Upper
94 100
96 105.9 77.9 116.9

Manual Integrations
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Reviewed By :John
Carlone

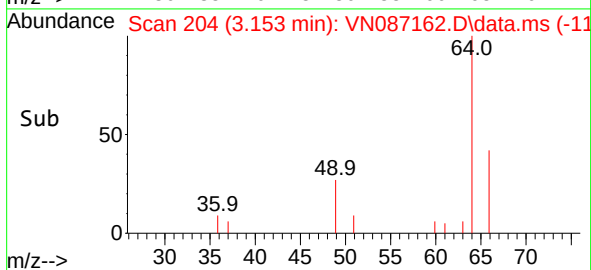
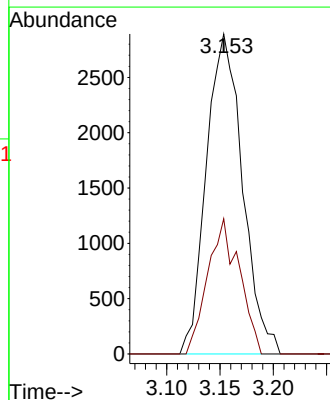
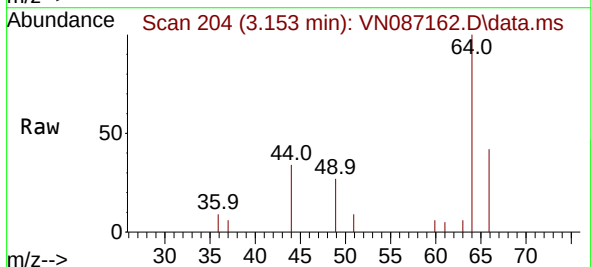
06/25/2025
Supervised By :Mahesh
Dadoda

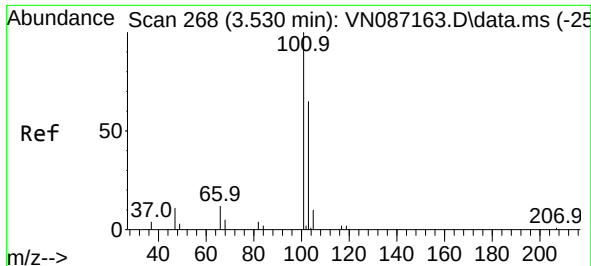
06/26/2025



#6
Chloroethane
Concen: 3.856 ug/l
RT: 3.153 min Scan# 204
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion: 64 Resp: 6828
Ion Ratio Lower Upper
64 100
66 42.2 26.4 39.6#





#7
Trichlorofluoromethane
Concen: 4.670 ug/l
RT: 3.524 min Scan# 267
Delta R.T. -0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

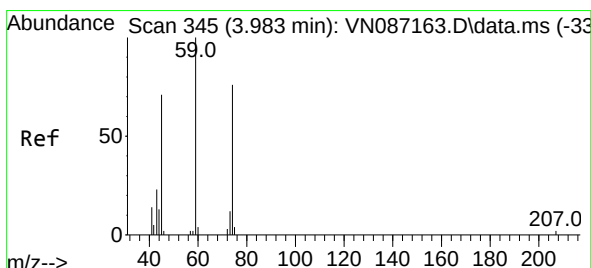
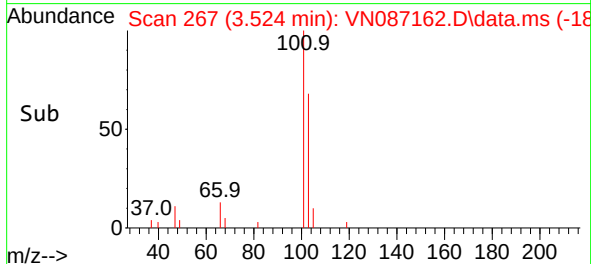
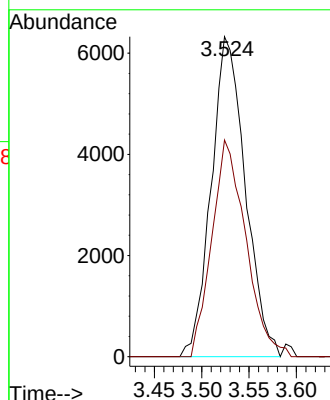
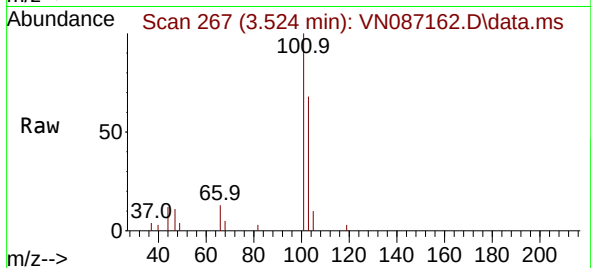
Tgt Ion:101 Resp: 1583
Ion Ratio Lower Upper
101 100
103 67.7 51.8 77.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

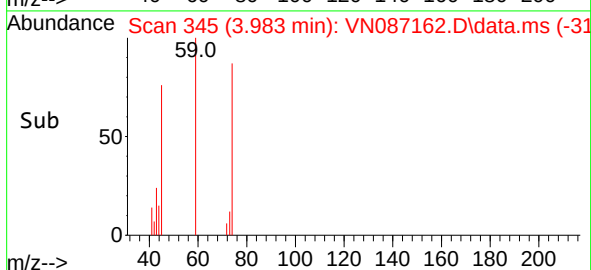
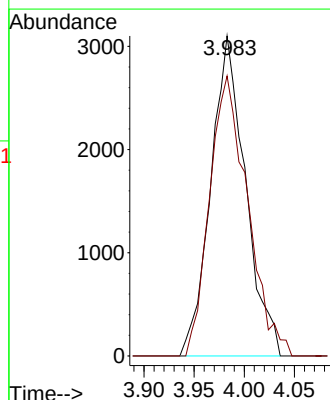
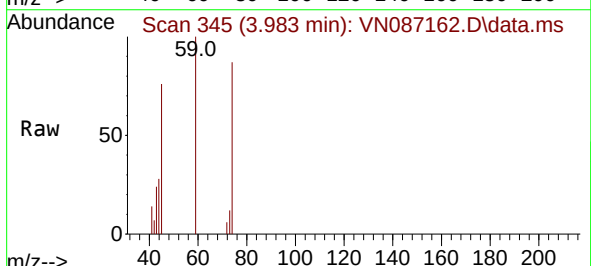
06/25/2025
Supervised By :Mahesh
Dadoda

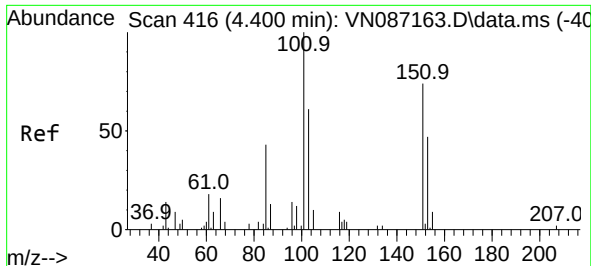
06/26/2025



#8
Diethyl Ether
Concen: 5.277 ug/l
RT: 3.983 min Scan# 345
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

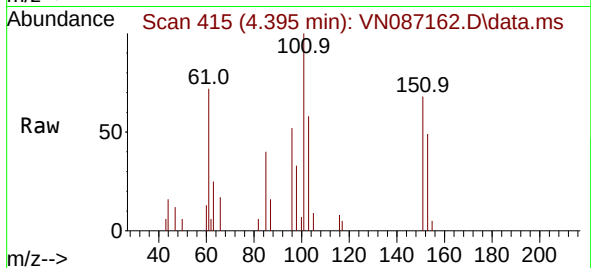
Tgt Ion: 74 Resp: 7465
Ion Ratio Lower Upper
74 100
45 95.7 19.0 171.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.594 ug/l
RT: 4.395 min Scan# 416
Delta R.T. -0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



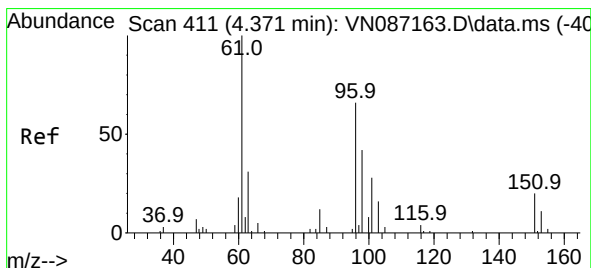
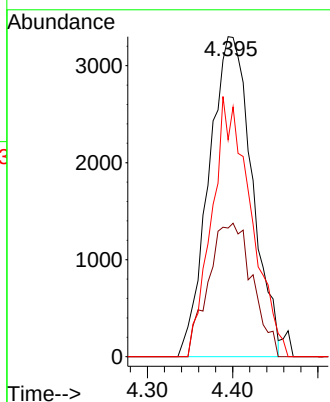
Tgt Ion:101 Resp: 11620
Ion Ratio Lower Upper
101 100
85 21.0 0.0 40.6
151 73.8 0.0 141.2

Manual Integrations
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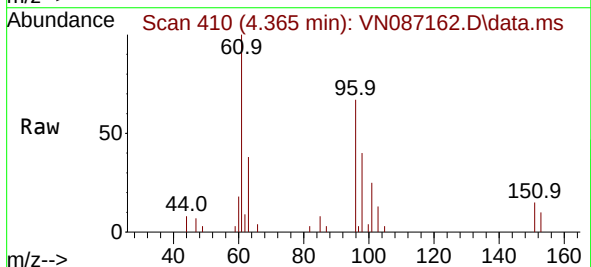
Reviewed By :John
Carlone

06/25/2025
Supervised By :Mahesh
Dadoda

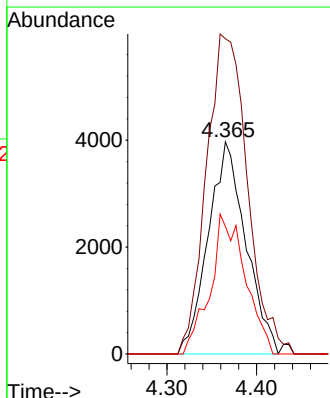
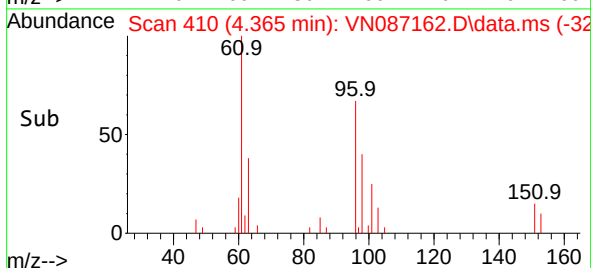
06/26/2025

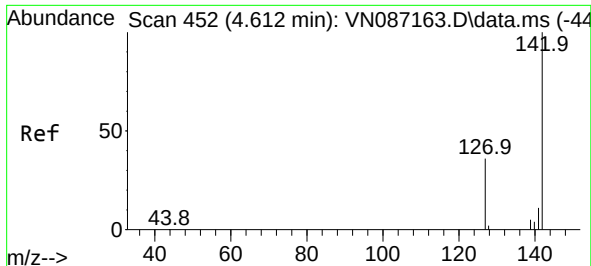


#10
1,1-Dichloroethene
Concen: 5.455 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59



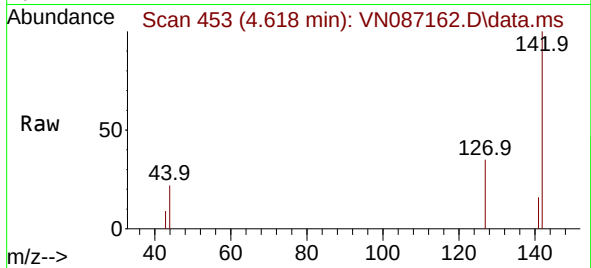
Tgt Ion: 96 Resp: 11558
Ion Ratio Lower Upper
96 100
61 148.6 122.0 183.0
98 60.1 50.3 75.5





#11
Methyl Iodide
Concen: 2.677 ug/l
RT: 4.618 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



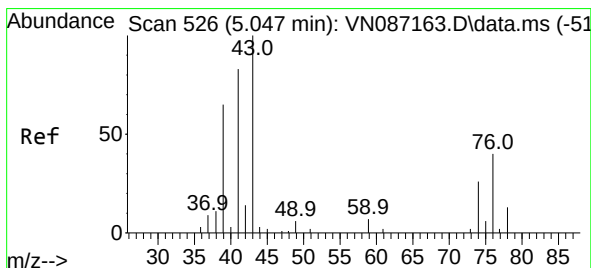
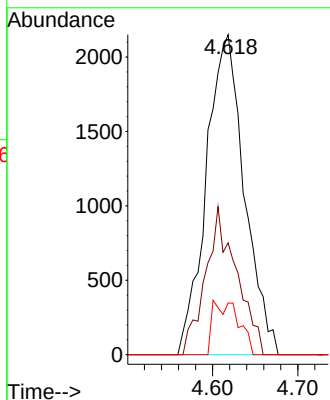
Tgt Ion:142 Resp: 668
Ion Ratio Lower Upper
142 100
127 35.0 18.1 54.1
141 16.1 5.7 17.1

Manual Integrations
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Reviewed By :John
Carlone

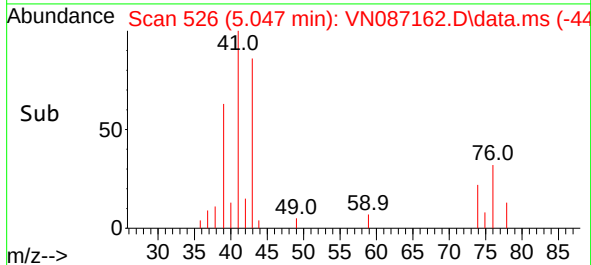
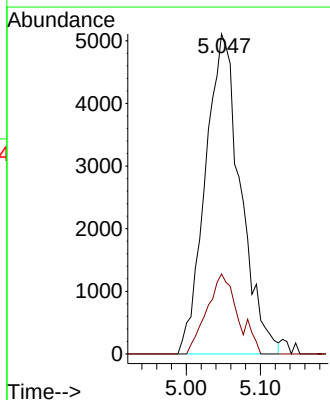
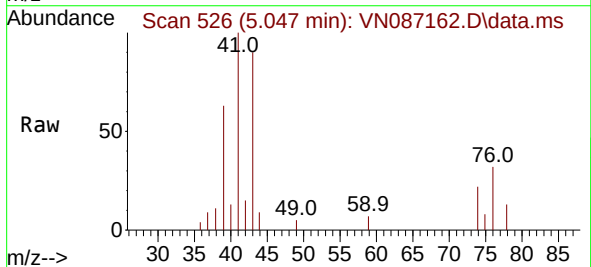
06/25/2025
Supervised By :Mahesh
Dadoda

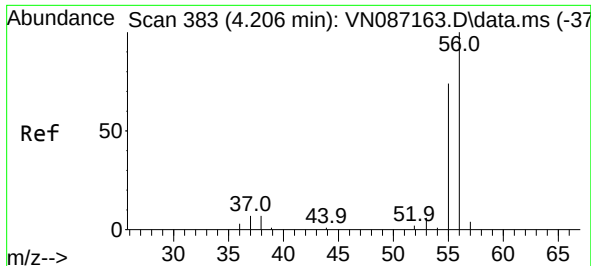
06/26/2025



#12
Methyl Acetate
Concen: 7.169 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

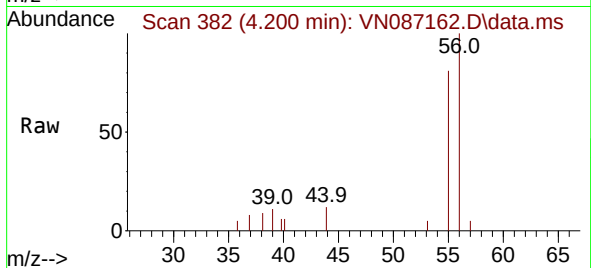
Tgt Ion: 43 Resp: 16869
Ion Ratio Lower Upper
43 100
74 25.5 20.3 30.5





#13
Acrolein
Concen: 48.853 ug/l
RT: 4.200 min Scan# 383
Delta R.T. -0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



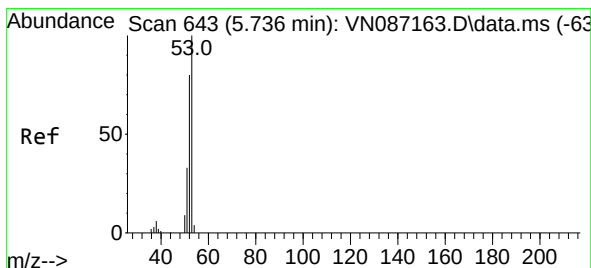
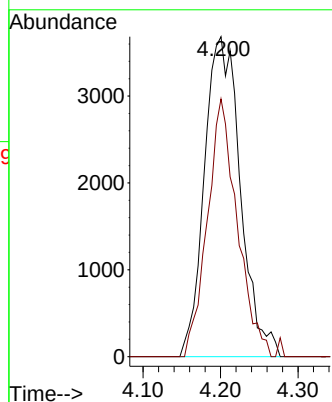
Tgt Ion: 56 Resp: 11870
Ion Ratio Lower Upper
56 100
55 67.1 55.7 83.5

Manual Integrations
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Reviewed By :John
Carlone

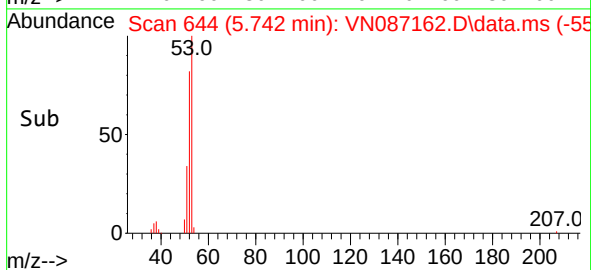
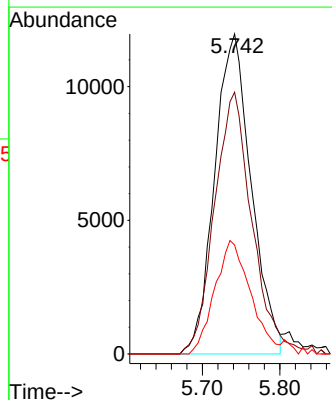
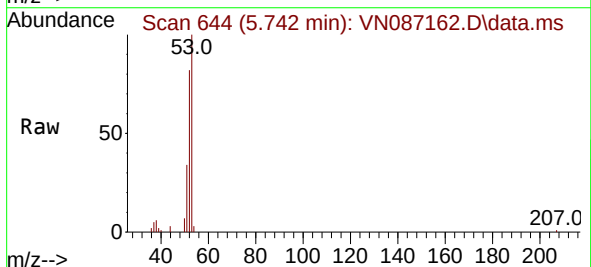
06/25/2025
Supervised By :Mahesh
Dadoda

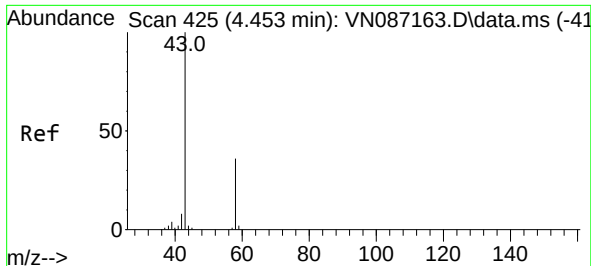
06/26/2025



#14
Acrylonitrile
Concen: 35.942 ug/l
RT: 5.742 min Scan# 644
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion: 53 Resp: 39359
Ion Ratio Lower Upper
53 100
52 83.5 40.5 121.5
51 34.6 16.9 50.7





#15

Acetone

Concen: 45.718 ug/l

RT: 4.459 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN087162.D

Acq: 25 Jun 2025 08:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 58 Resp: 12670

Ion Ratio Lower Upper

58 100

43 239.4 224.3 336.5

Manual Integrations

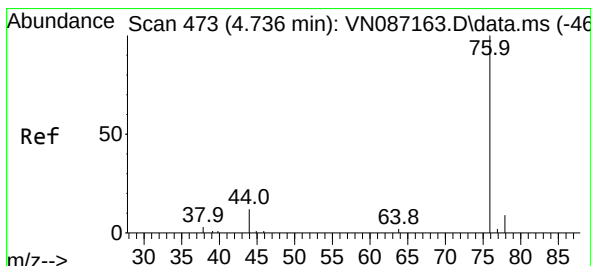
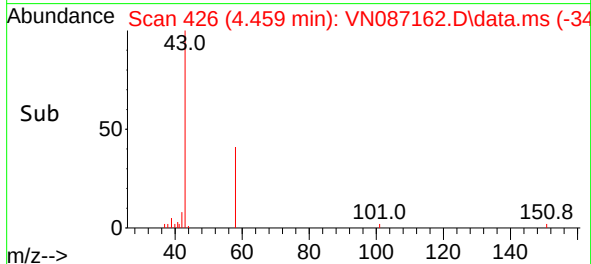
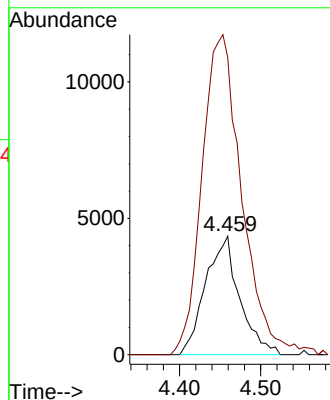
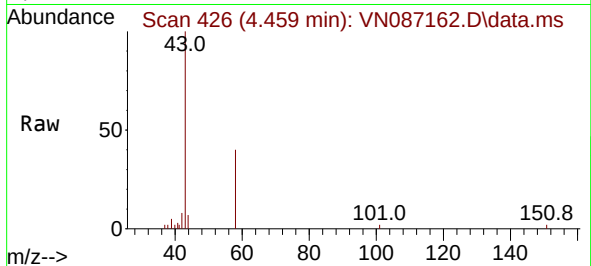
APPROVED

Reviewed By :John
Carlone

06/25/2025

Supervised By :Mahesh
Dadoda

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#16

Carbon Disulfide

Concen: 5.919 ug/l

RT: 4.742 min Scan# 474

Delta R.T. 0.006 min

Lab File: VN087162.D

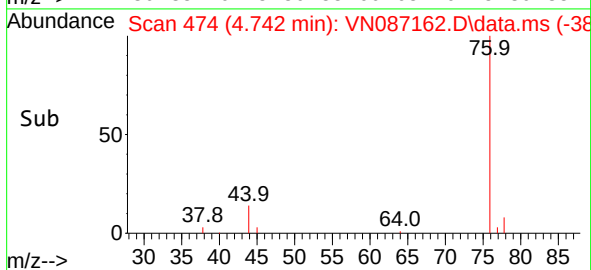
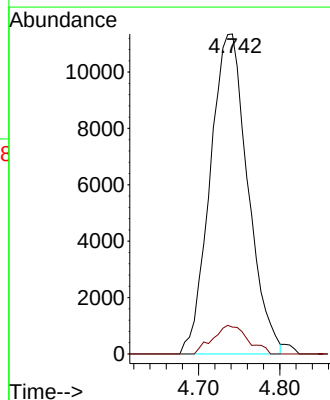
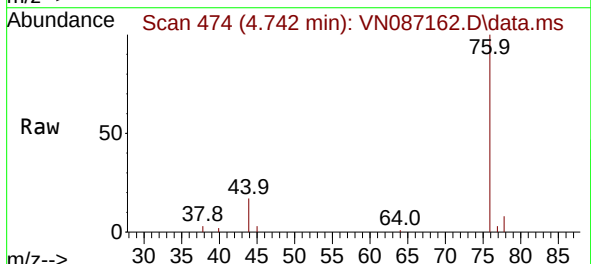
Acq: 25 Jun 2025 08:59

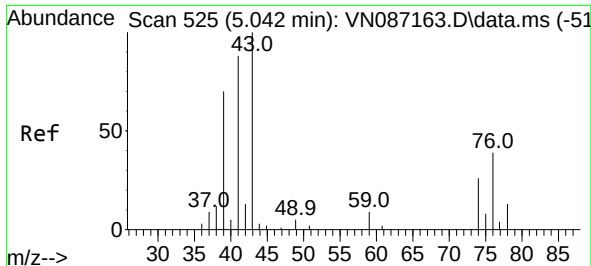
Tgt Ion: 76 Resp: 36612

Ion Ratio Lower Upper

76 100

78 8.4 7.2 10.8





#17
 Allyl chloride
 Concen: 5.882 ug/l
 RT: 5.047 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN087162.D
 Acq: 25 Jun 2025 08:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

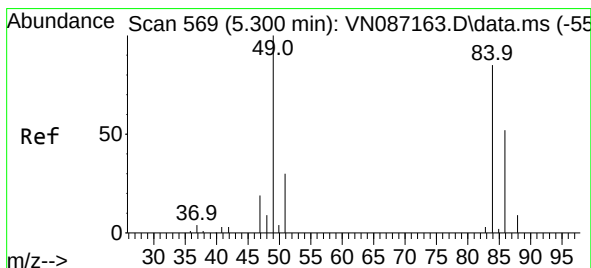
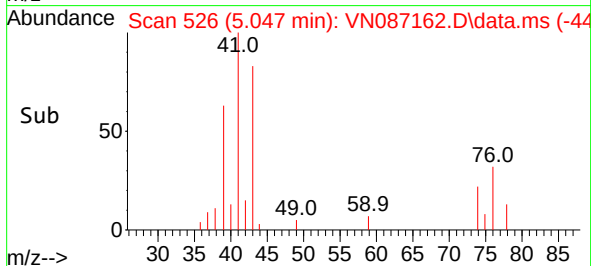
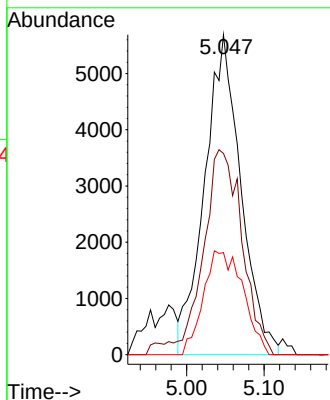
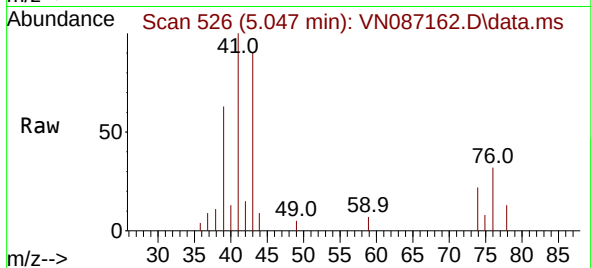
Tgt Ion: 41 Resp: 18510
 Ion Ratio Lower Upper
 41 100
 39 64.8 36.0 108.0
 76 32.8 19.5 58.5

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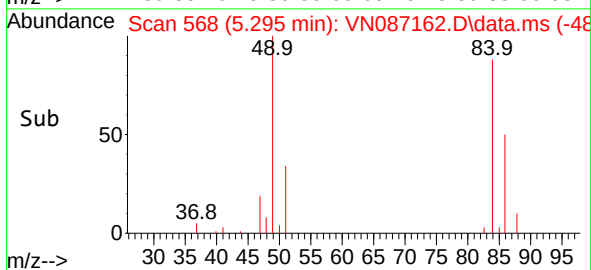
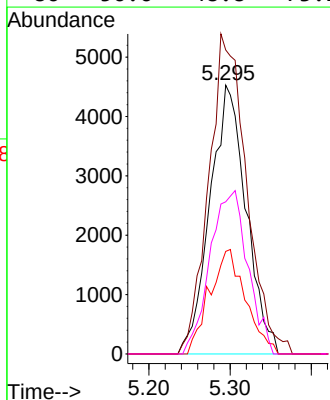
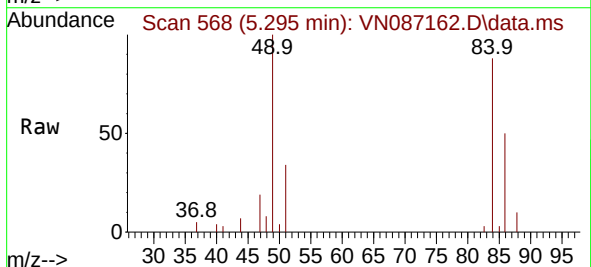
06/25/2025
 Supervised By :Mahesh
 Dadoda

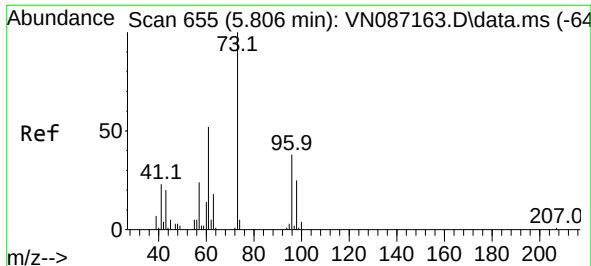
06/26/2025



#18
 Methylene Chloride
 Concen: 5.693 ug/l
 RT: 5.295 min Scan# 568
 Delta R.T. -0.006 min
 Lab File: VN087162.D
 Acq: 25 Jun 2025 08:59

Tgt Ion: 84 Resp: 14009
 Ion Ratio Lower Upper
 84 100
 49 113.1 94.0 141.0
 51 38.1 28.3 42.5
 86 56.6 48.8 73.2





#19

trans-1,2-Dichloroethene

Concen: 5.918 ug/l

RT: 5.806 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN087162.D

Acq: 25 Jun 2025 08:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	1312
Ion	Ratio	Lower	Upper
96	100		
61	130.2	110.3	165.5
98	57.0	51.6	77.4

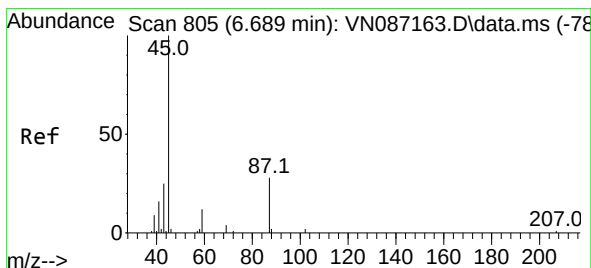
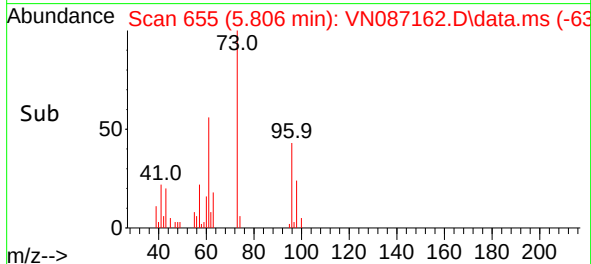
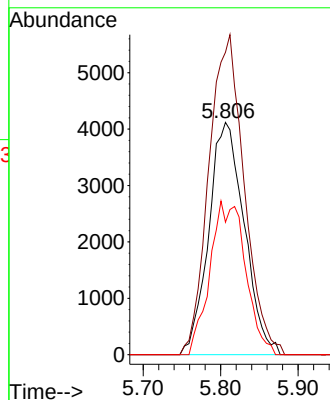
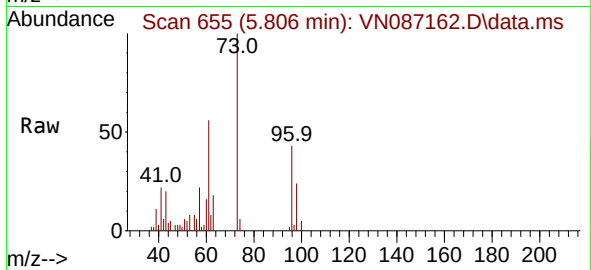
Manual Integrations
APPROVED

Reviewed By :John
Carlone

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Supervised By :Mahesh
Dadoda

06/26/2025



#20

Diisopropyl ether

Concen: 5.420 ug/l

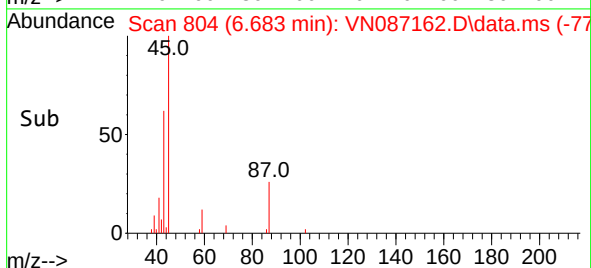
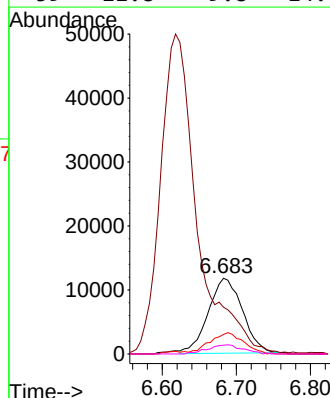
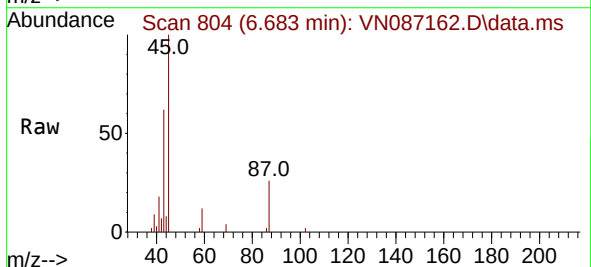
RT: 6.683 min Scan# 804

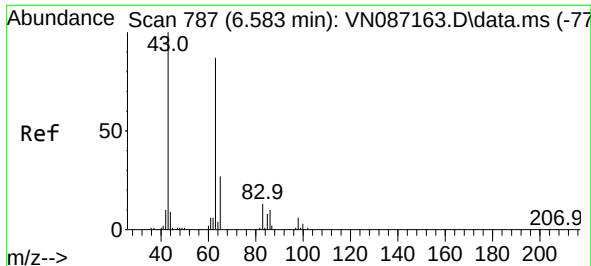
Delta R.T. -0.006 min

Lab File: VN087162.D

Acq: 25 Jun 2025 08:59

Tgt Ion:	45	Resp:	37574
Ion	Ratio	Lower	Upper
45	100		
43	60.9	45.3	67.9
87	26.2	22.6	33.8
59	11.8	9.8	14.8





#21
1,1-Dichloroethane
Concen: 5.985 ug/l
RT: 6.583 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

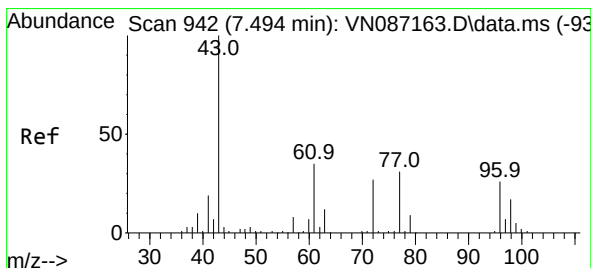
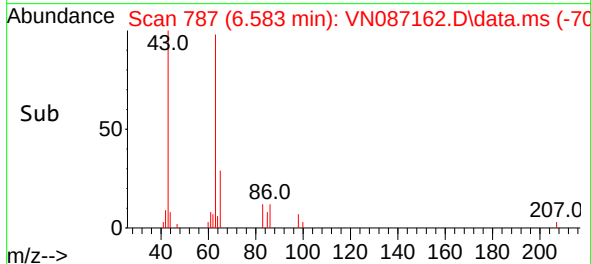
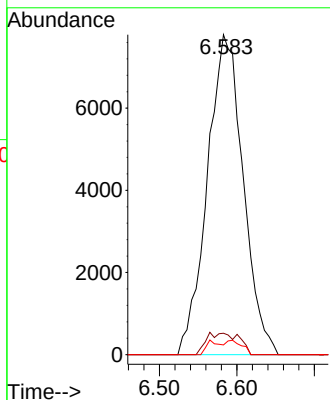
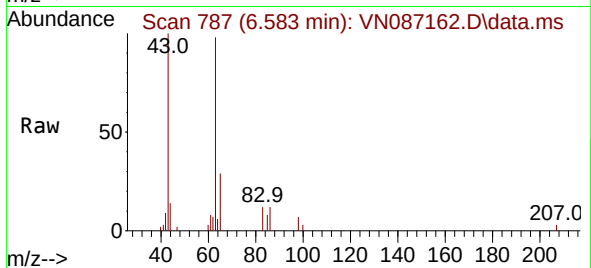
Tgt Ion: 63 Resp: 25040
Ion Ratio Lower Upper
63 100
98 6.7 3.5 10.4
100 3.0 2.0 5.8

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Reviewed By :John
Carlone

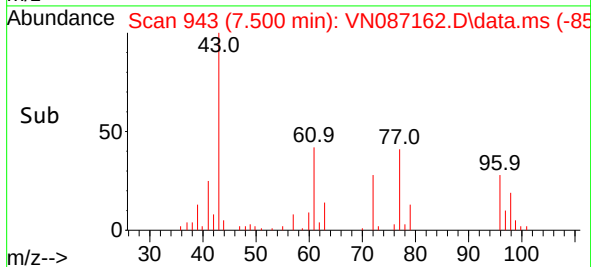
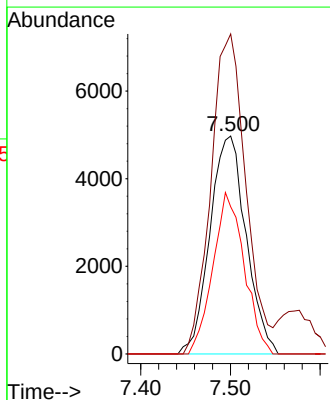
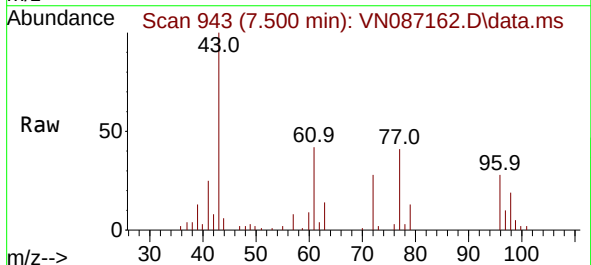
06/25/2025
Supervised By :Mahesh
Dadoda

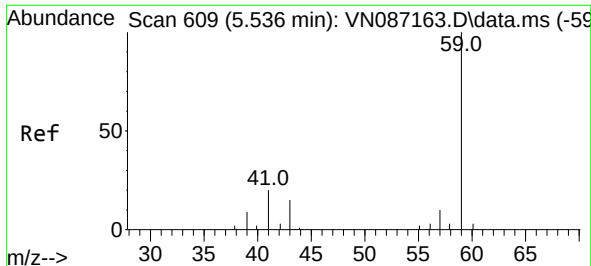
06/26/2025



#22
cis-1,2-Dichloroethene
Concen: 5.181 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

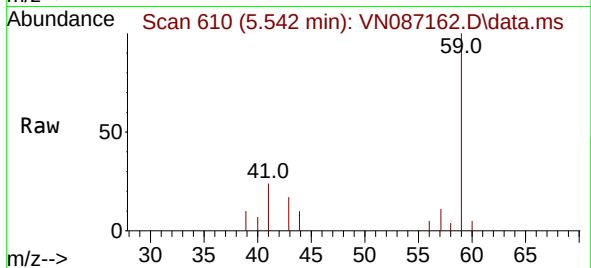
Tgt Ion: 96 Resp: 13914
Ion Ratio Lower Upper
96 100
61 142.4 119.2 178.8
98 64.2 50.6 75.8





#23
tert-Butyl Alcohol
Concen: 42.200 ug/l m
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



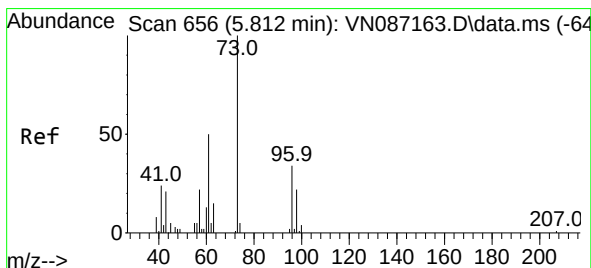
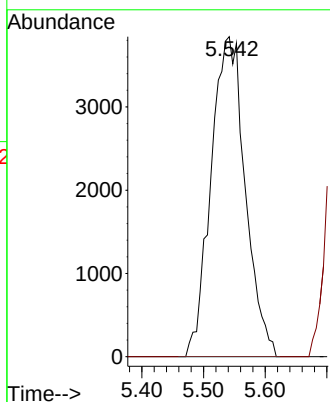
Tgt Ion: 59 Resp: 14840
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

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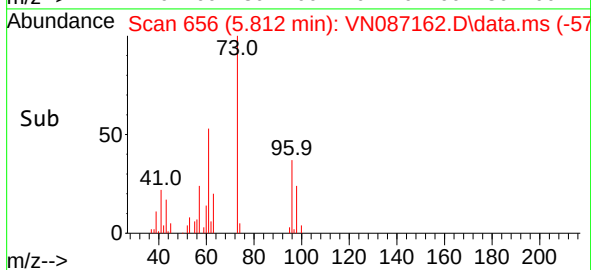
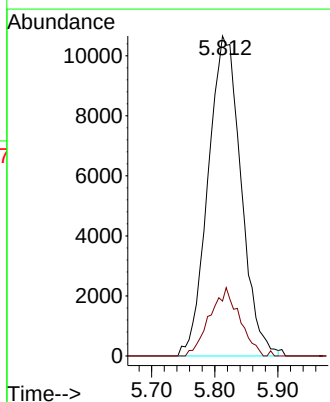
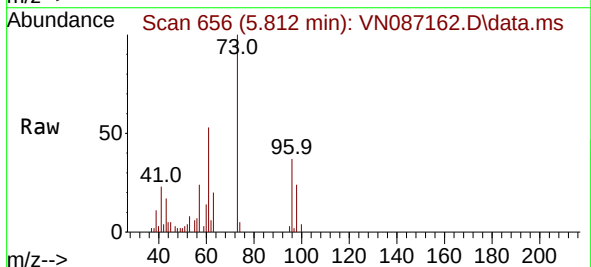
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Supervised By :Mahesh
Dadoda

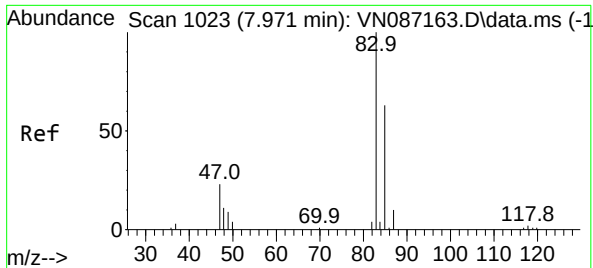
06/26/2025



#24
Methyl tert-Butyl Ether
Concen: 5.528 ug/l
RT: 5.812 min Scan# 656
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion: 73 Resp: 38602
Ion Ratio Lower Upper
73 100
43 19.4 16.4 24.6





#25
Chloroform
Concen: 5.704 ug/l
RT: 7.977 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

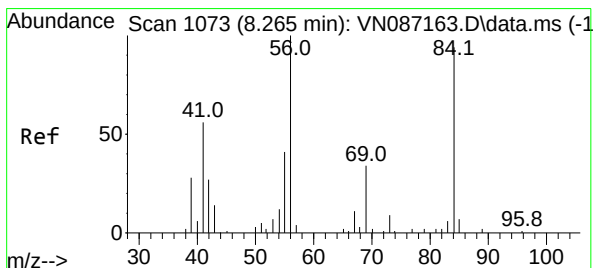
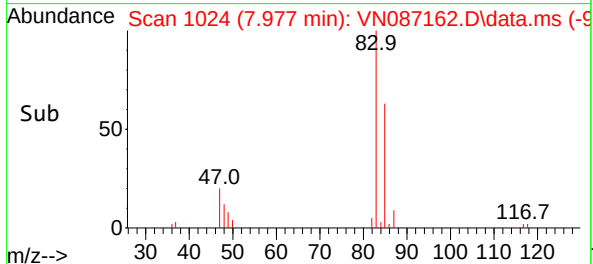
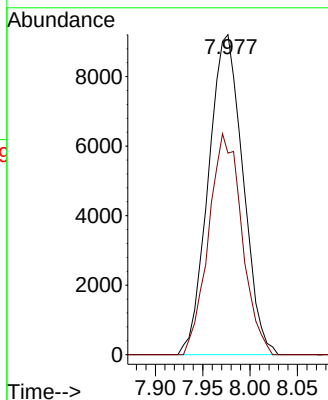
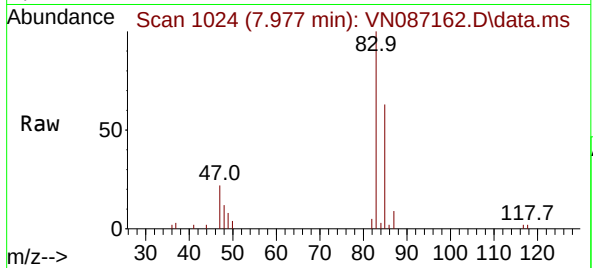
Tgt Ion: 83 Resp: 23358
Ion Ratio Lower Upper
83 100
85 63.0 50.7 76.1

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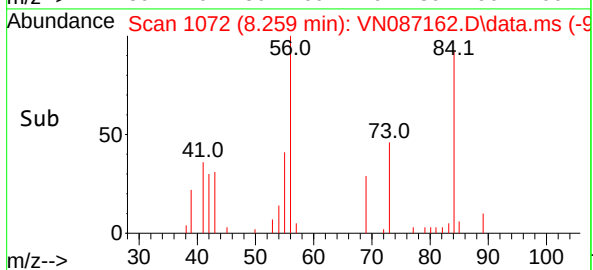
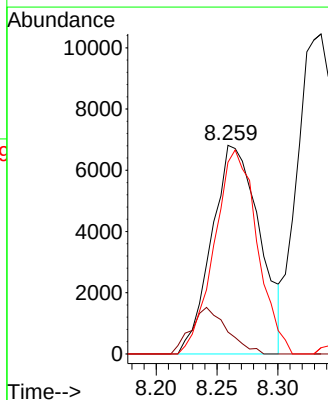
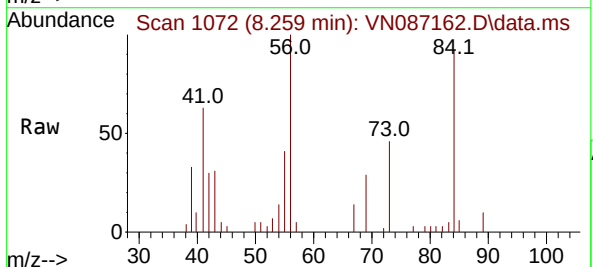
06/25/2025
Supervised By :Mahesh
Dadoda

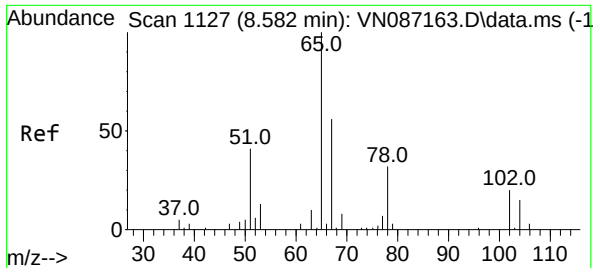
06/26/2025



#26
Cyclohexane
Concen: 5.167 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion: 56 Resp: 18712
Ion Ratio Lower Upper
56 100
89 16.7 6.9 10.3#
84 87.1 69.1 103.7





#27
1,2-Dichloroethane-d4
Concen: 34.837 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

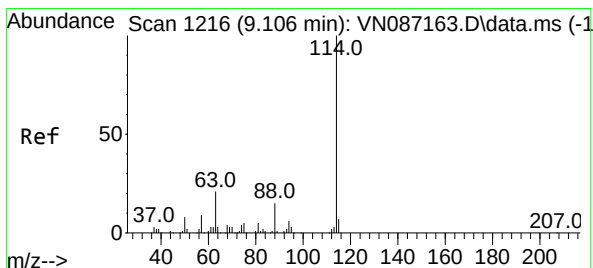
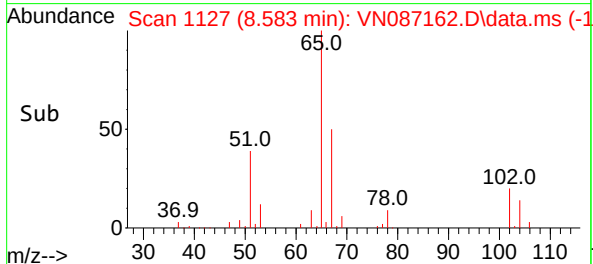
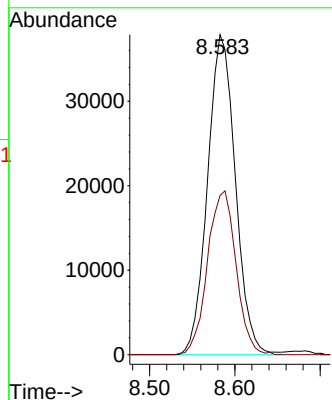
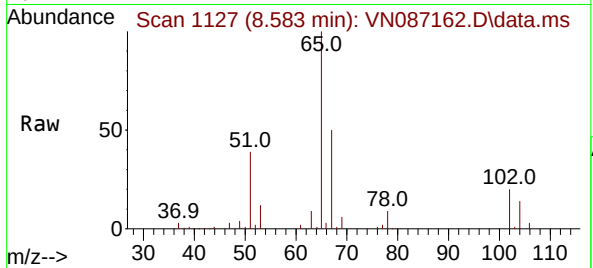
Tgt Ion: 65 Resp: 86000
Ion Ratio Lower Upper
65 100
67 52.4 41.9 62.9

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Reviewed By :John
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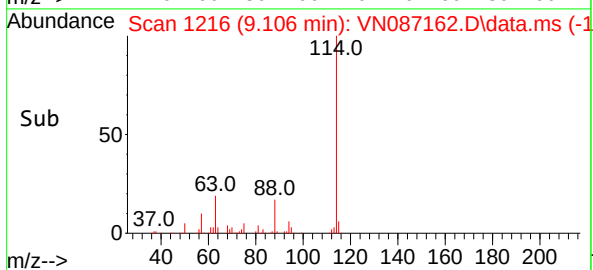
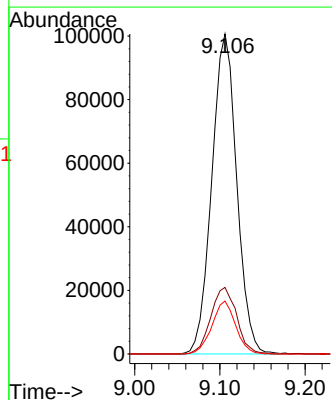
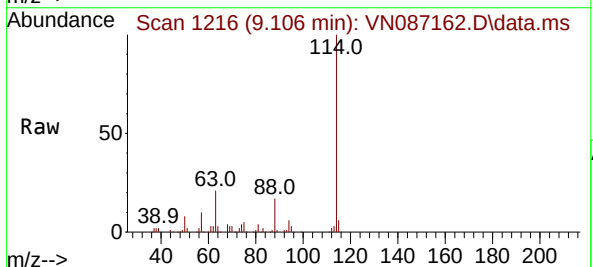
06/25/2025
Supervised By :Mahesh
Dadoda

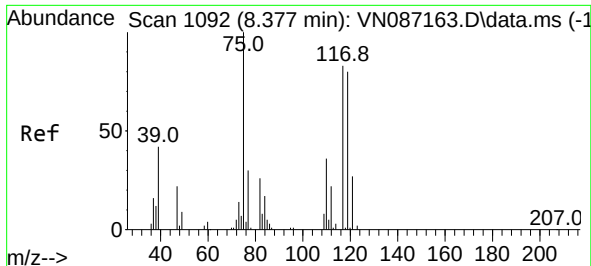
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#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

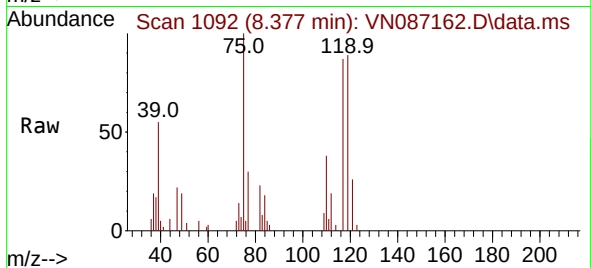
Tgt Ion:114 Resp: 205072
Ion Ratio Lower Upper
114 100
63 21.4 17.0 25.4
88 15.7 12.6 19.0





#29
1,1-Dichloropropene
Concen: 5.372 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



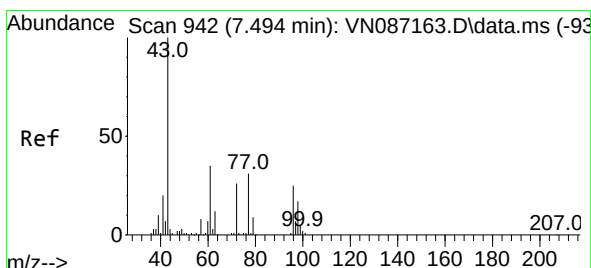
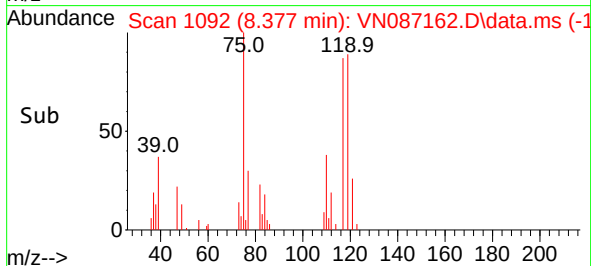
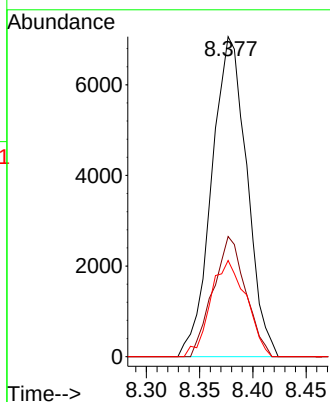
Tgt Ion: 75 Resp: 16190
Ion Ratio Lower Upper
75 100
110 34.9 0.0 69.2
77 30.6 0.0 61.8

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Reviewed By :John
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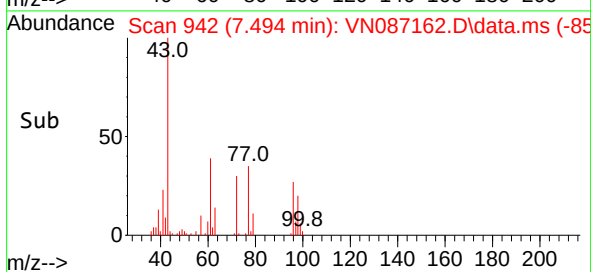
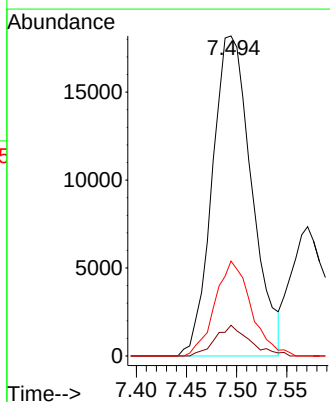
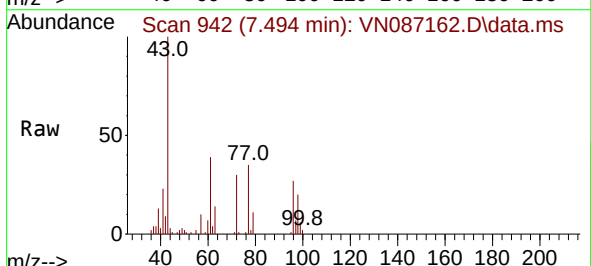
06/25/2025
Supervised By :Mahesh
Dadoda

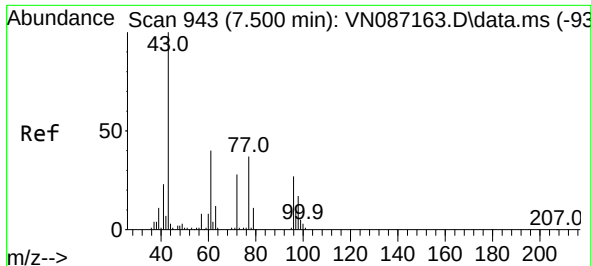
06/26/2025



#30
2-Butanone
Concen: 37.757 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion: 43 Resp: 49880
Ion Ratio Lower Upper
43 100
57 8.3 6.3 9.5
72 27.1 21.8 32.6





#31
2,2-Dichloropropane
Concen: 5.610 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

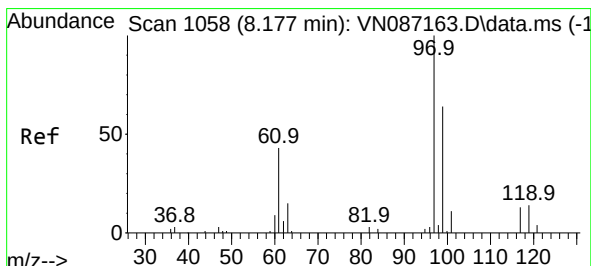
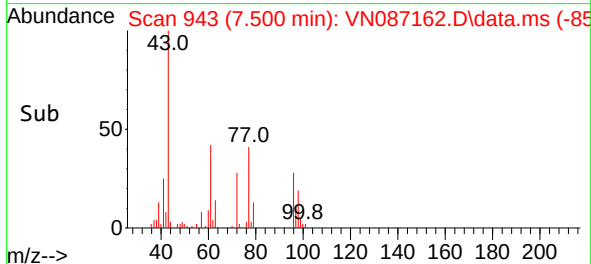
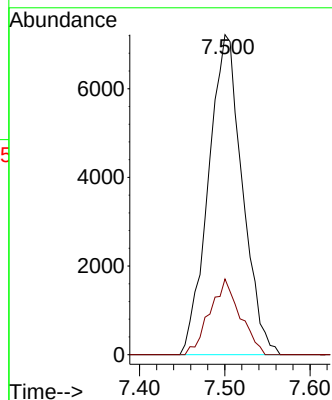
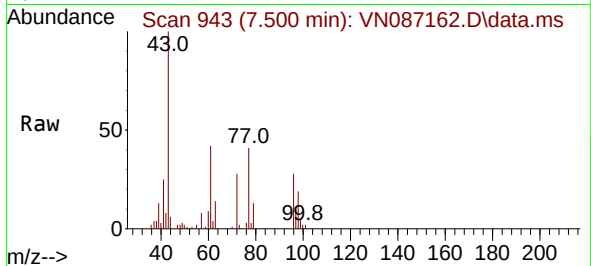
Tgt Ion: 77 Resp: 1996
Ion Ratio Lower Upper
77 100
97 21.1 18.4 27.6

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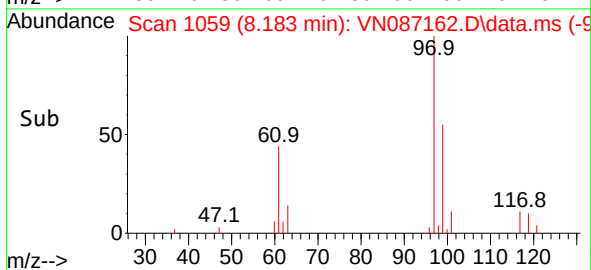
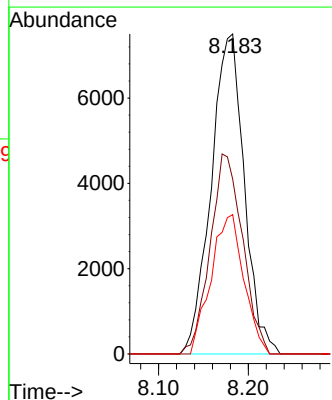
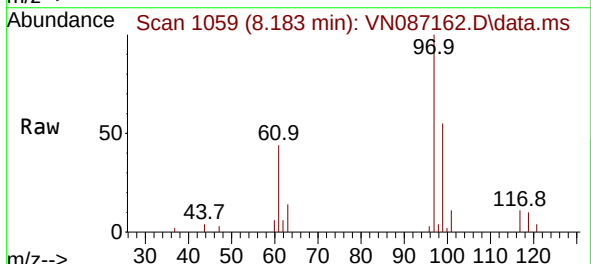
06/25/2025
Supervised By :Mahesh
Dadoda

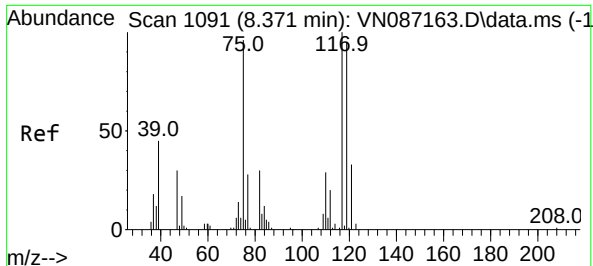
06/26/2025



#32
1,1,1-Trichloroethane
Concen: 5.506 ug/l
RT: 8.183 min Scan# 1059
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

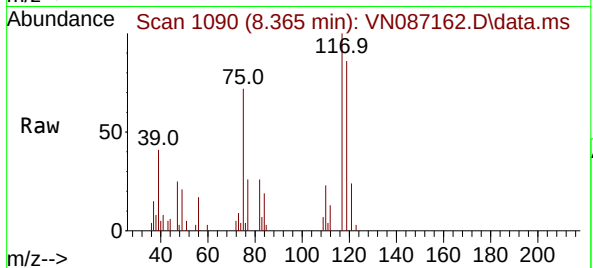
Tgt Ion: 97 Resp: 19246
Ion Ratio Lower Upper
97 100
99 61.2 50.8 76.2
61 43.3 36.1 54.1





#33
Carbon Tetrachloride
Concen: 5.645 ug/l m
RT: 8.365 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



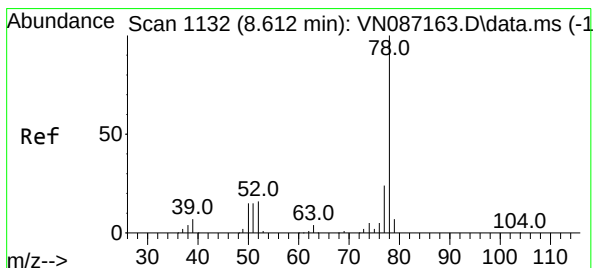
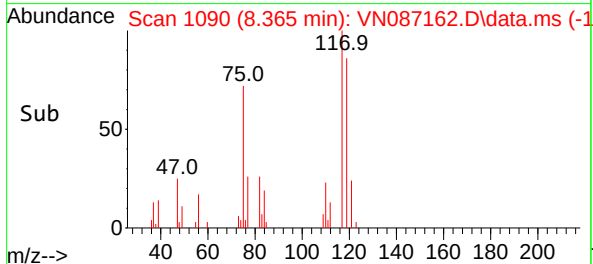
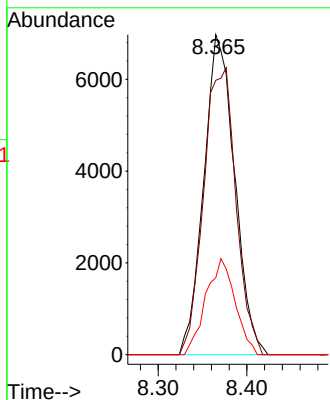
Tgt Ion: 117 Resp: 1686
Ion Ratio Lower Upper
117 100
119 85.7 75.8 113.6
121 24.0 26.2 39.4

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Reviewed By :John
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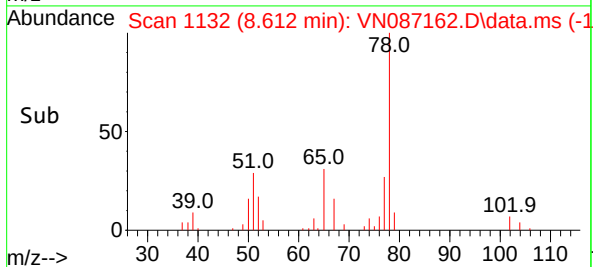
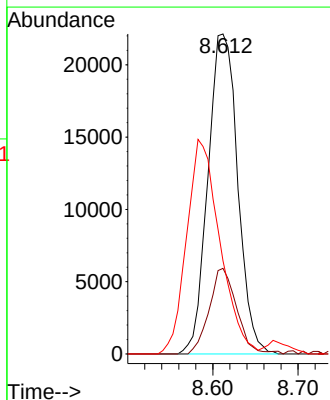
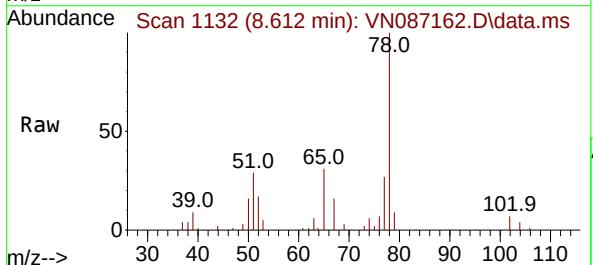
06/25/2025
Supervised By :Mahesh
Dadoda

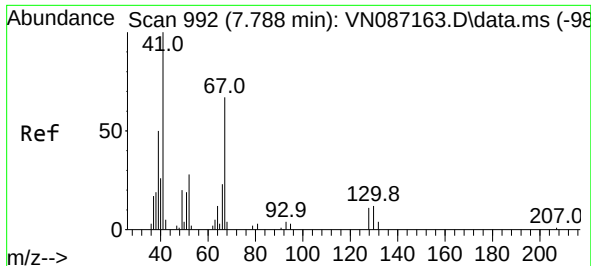
06/26/2025



#34
Benzene
Concen: 5.491 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

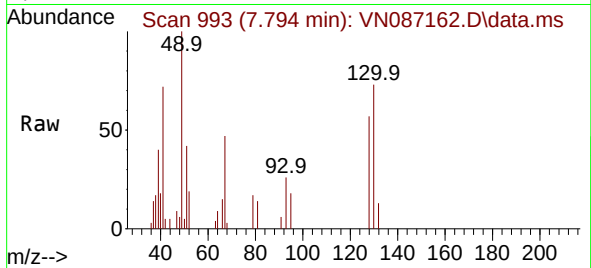
Tgt Ion: 78 Resp: 53867
Ion Ratio Lower Upper
78 100
77 26.8 19.5 29.3
51 25.5 14.8 22.2





#35
Methacrylonitrile
Concen: 7.079 ug/l m
RT: 7.794 min Scan# 992
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



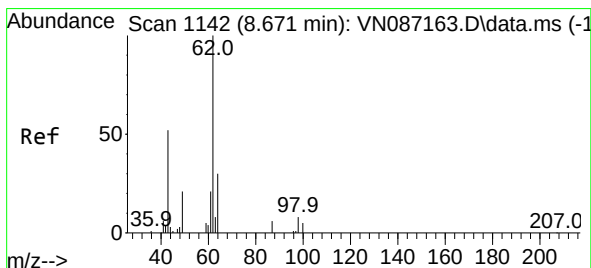
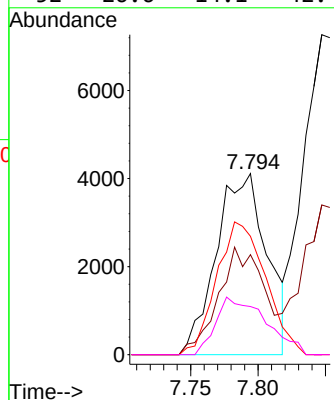
Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.2	24.4	73.2
67	65.4	33.3	99.8
52	26.6	14.1	42.4

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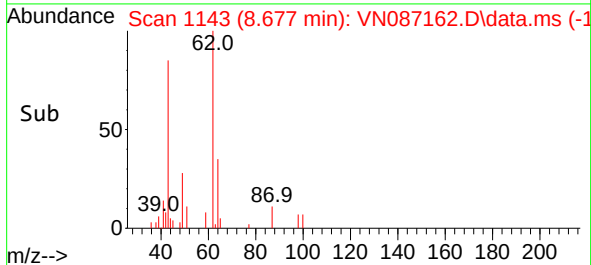
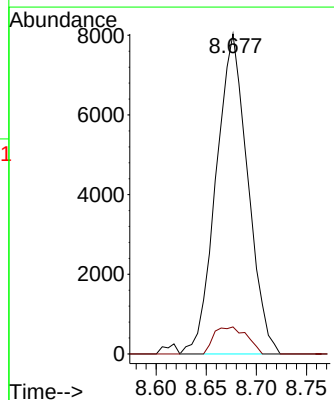
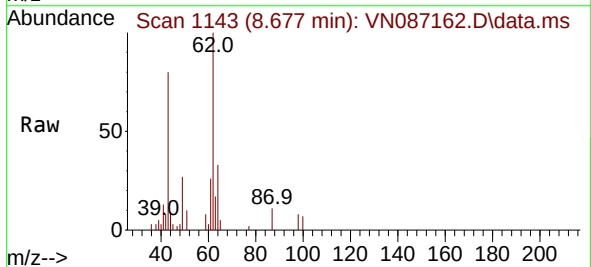
06/25/2025
Supervised By :Mahesh
Dadoda

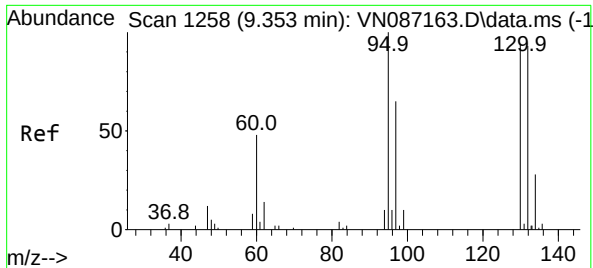
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#36
1,2-Dichloroethane
Concen: 6.143 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

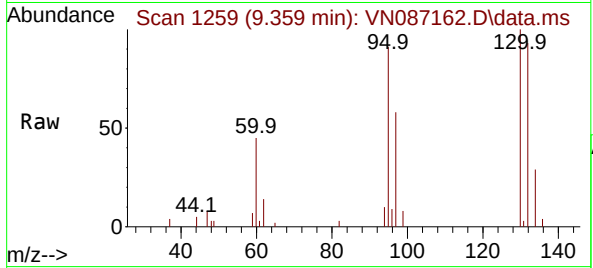
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	7.2	10.8





#37
Trichloroethene
Concen: 4.664 ug/l
RT: 9.359 min Scan# 1269
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



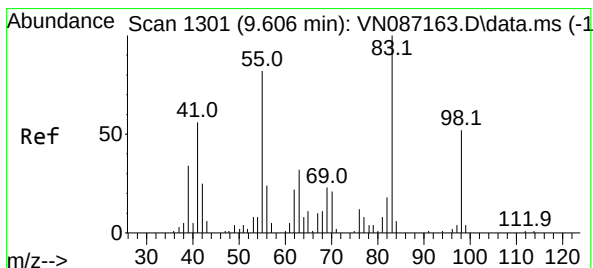
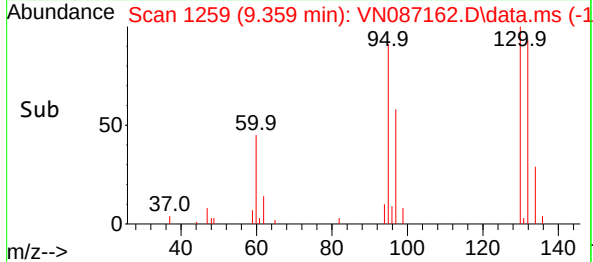
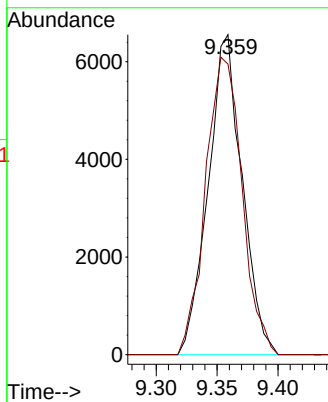
Tgt Ion:130 Resp: 1269
Ion Ratio Lower Upper
130 100
95 90.8 85.3 127.9

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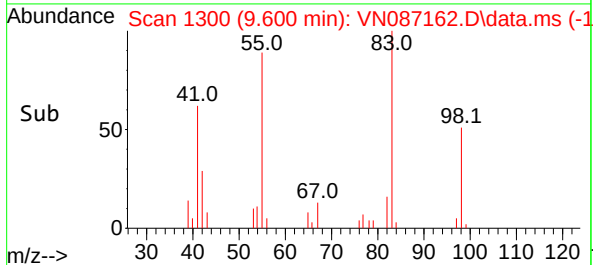
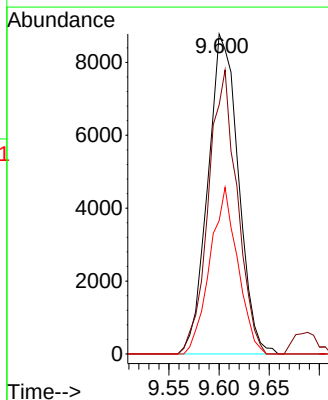
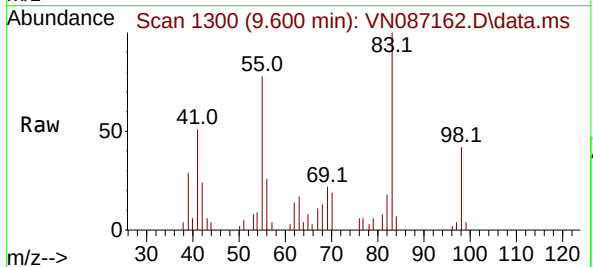
06/25/2025
Supervised By :Mahesh
Dadoda

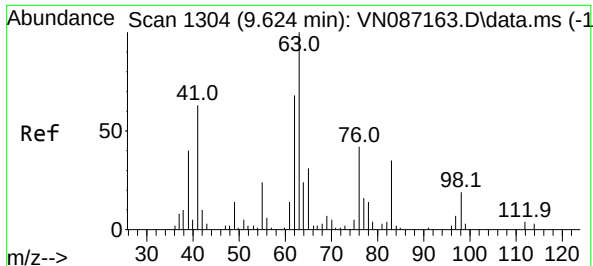
06/26/2025



#38
Methylcyclohexane
Concen: 5.564 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

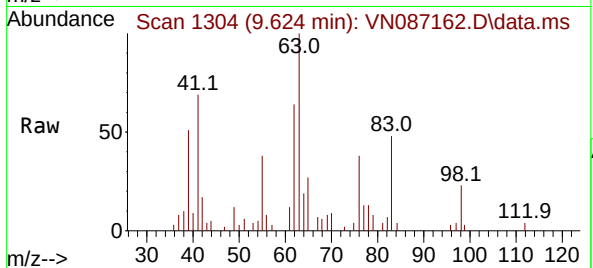
Tgt Ion: 83 Resp: 18613
Ion Ratio Lower Upper
83 100
55 83.5 40.1 120.2
98 47.3 24.4 73.2





#39
1,2-Dichloropropane
Concen: 5.751 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



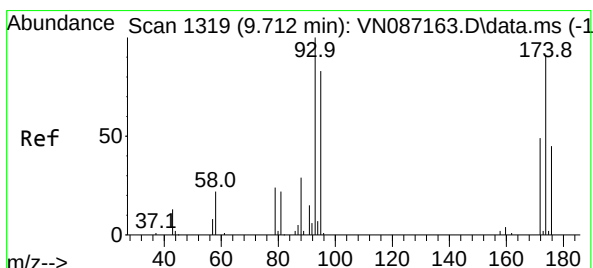
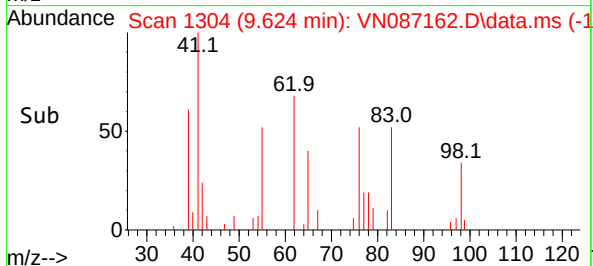
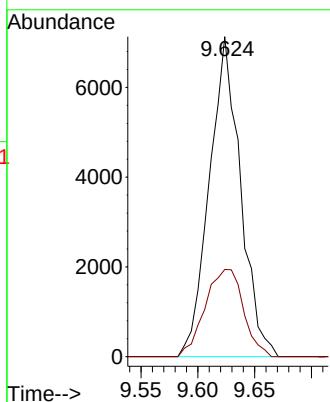
Tgt Ion: 63 Resp: 13584
Ion Ratio Lower Upper
63 100
65 27.3 24.6 36.8

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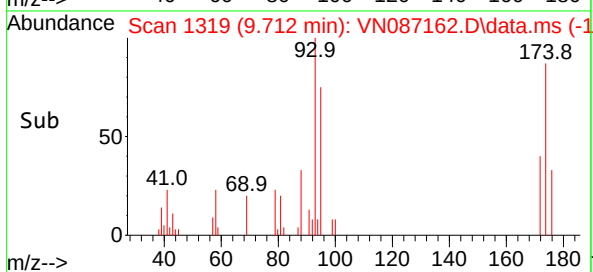
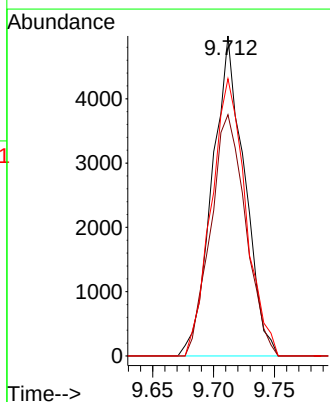
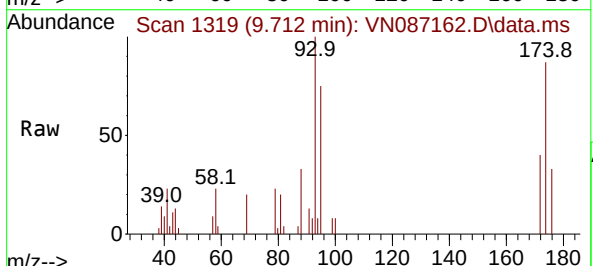
06/25/2025
Supervised By :Mahesh
Dadoda

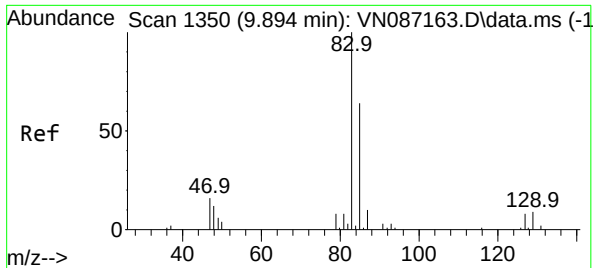
06/26/2025



#40
Dibromomethane
Concen: 5.937 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

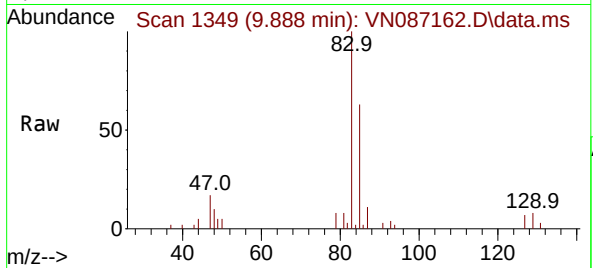
Tgt Ion: 93 Resp: 9171
Ion Ratio Lower Upper
93 100
95 81.7 0.0 170.8
174 92.3 0.0 176.6





#41
Bromodichloromethane
Concen: 5.677 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



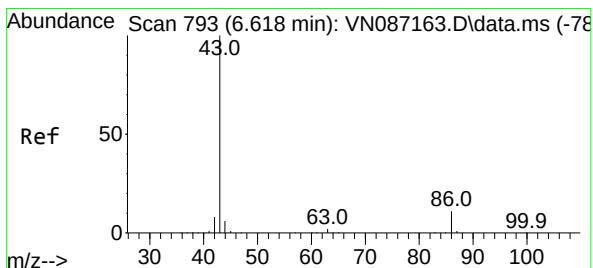
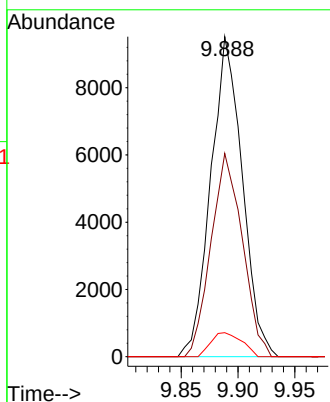
Tgt Ion: 83 Resp: 1835
Ion Ratio Lower Upper
83 100
85 63.5 51.4 77.2
127 7.5 6.1 9.1

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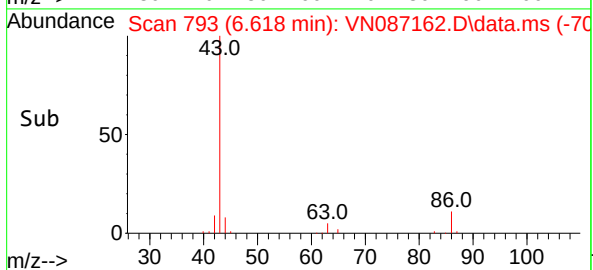
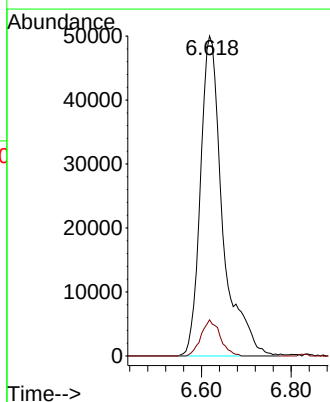
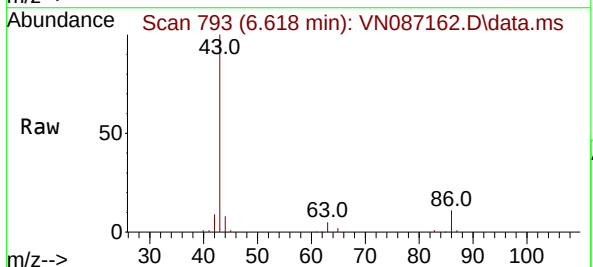
06/25/2025
Supervised By :Mahesh
Dadoda

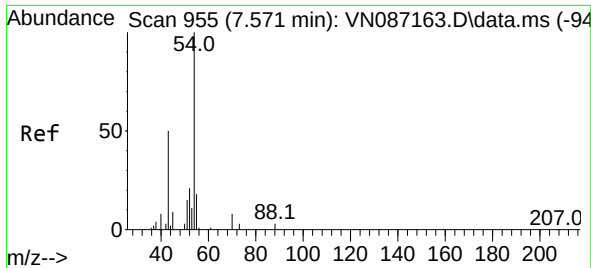
06/26/2025



#42
Vinyl Acetate
Concen: 44.667 ug/l
RT: 6.618 min Scan# 793
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion: 43 Resp: 172005
Ion Ratio Lower Upper
43 100
86 9.7 7.7 11.5





#43
Ethyl Acetate
Concen: 5.642 ug/l m
RT: 7.571 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

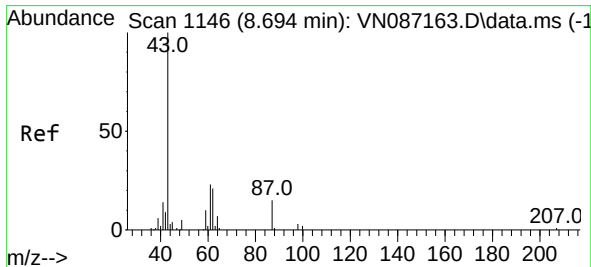
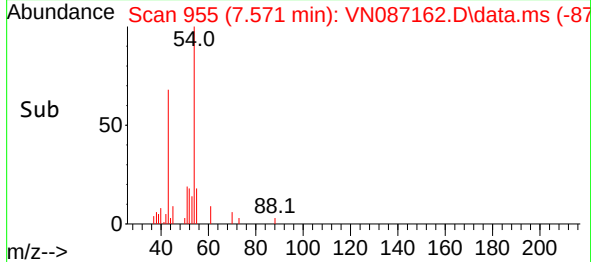
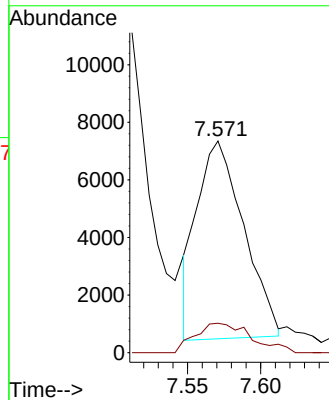
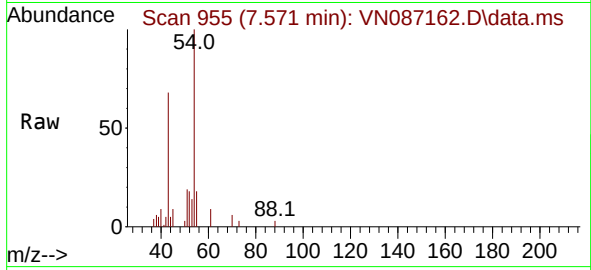
Tgt Ion: 43 Resp: 1525
Ion Ratio Lower Upper
43 100
45 16.8 11.5 17.3

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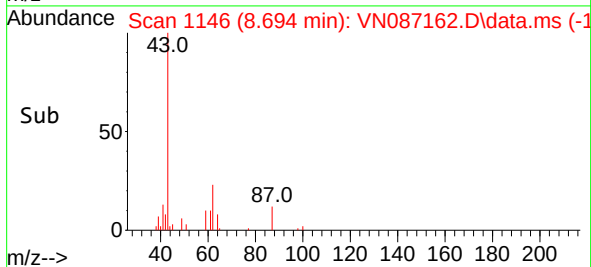
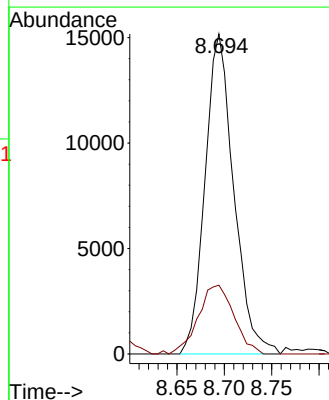
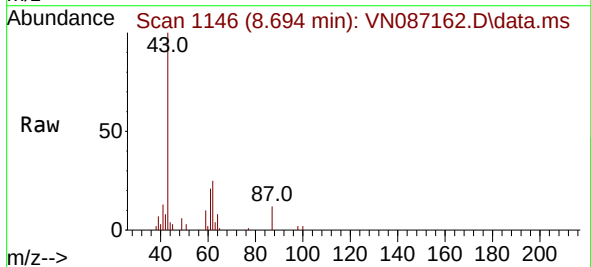
06/25/2025
Supervised By :Mahesh
Dadoda

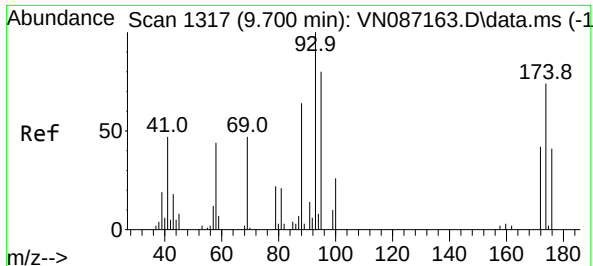
06/26/2025



#44
Isopropyl Acetate
Concen: 6.909 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

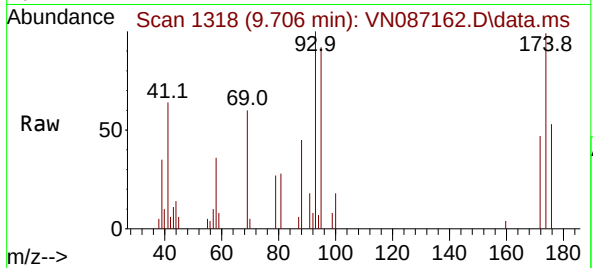
Tgt Ion: 43 Resp: 32041
Ion Ratio Lower Upper
43 100
61 26.6 20.5 30.7





#45
 1,4-Dioxane
 Concen: 91.346 ug/l
 RT: 9.706 min Scan# 1317
 Delta R.T. 0.006 min
 Lab File: VN087162.D
 Acq: 25 Jun 2025 08:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



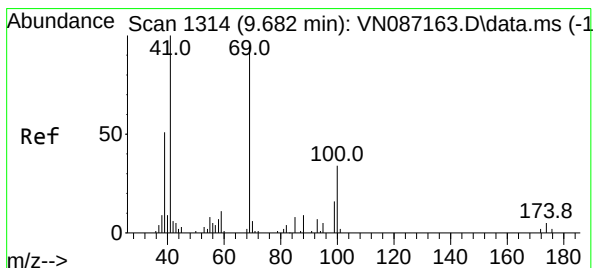
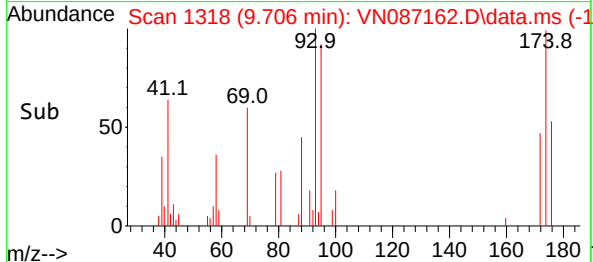
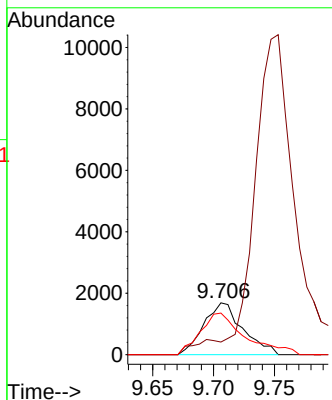
Tgt Ion: 88 Resp: 376
 Ion Ratio Lower Upper
 88 100
 43 21.3 21.3 31.9
 58 91.6 61.7 92.5

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Reviewed By :John
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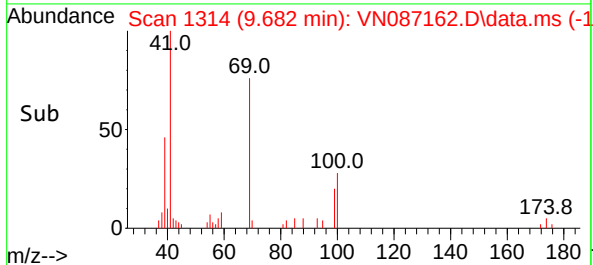
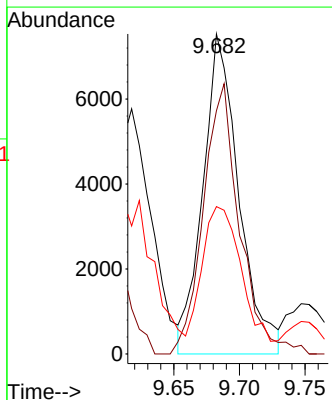
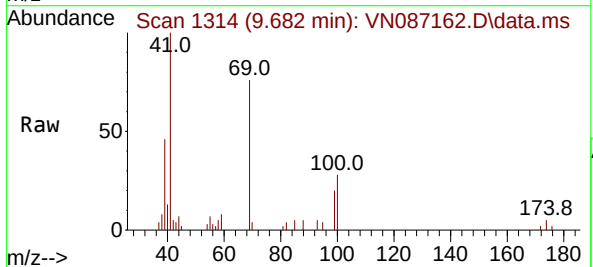
06/25/2025
 Supervised By :Mahesh
 Dadoda

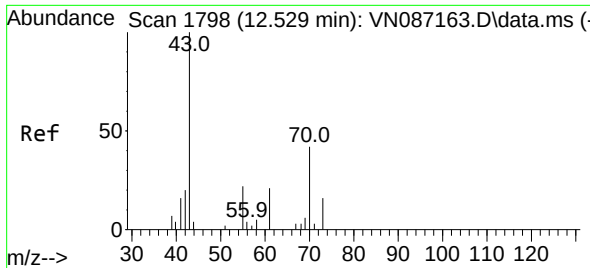
06/26/2025



#46
 Methyl methacrylate
 Concen: 6.706 ug/l
 RT: 9.682 min Scan# 1314
 Delta R.T. 0.000 min
 Lab File: VN087162.D
 Acq: 25 Jun 2025 08:59

Tgt Ion: 41 Resp: 14340
 Ion Ratio Lower Upper
 41 100
 69 78.3 45.6 136.9
 39 45.3 26.2 78.5





#47
n-amy1 Acetate
Concen: 4.906 ug/l m
RT: 12.712 min Scan# 1
Delta R.T. 0.182 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

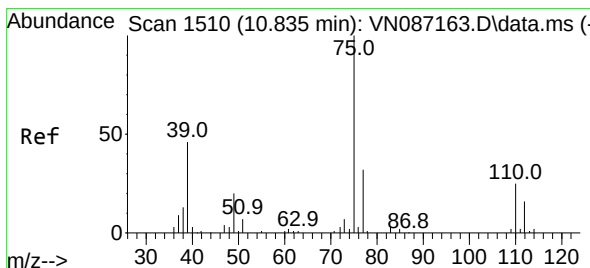
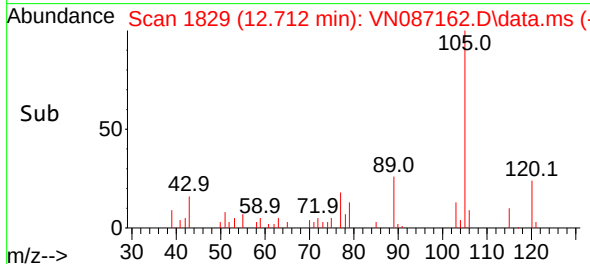
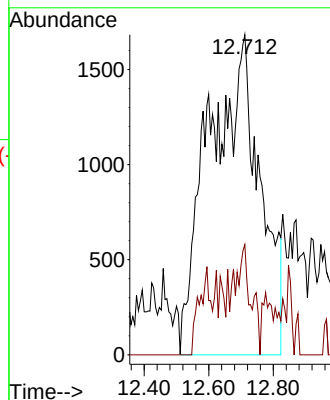
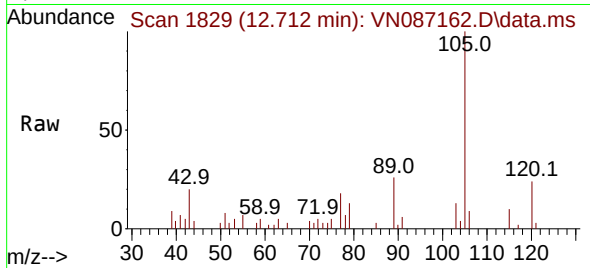
Tgt Ion: 43 Resp: 1826
Ion Ratio Lower Upper
43 100
55 0.0 0.0 0.0

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Reviewed By :John
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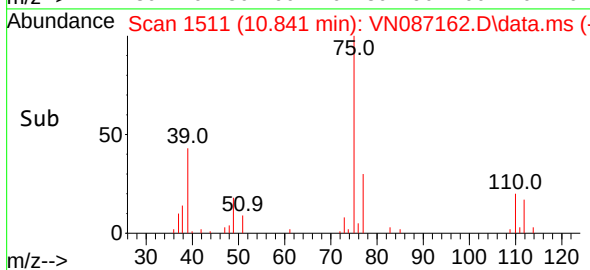
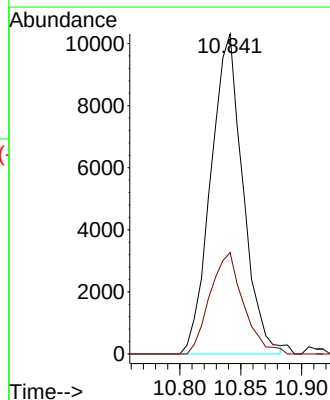
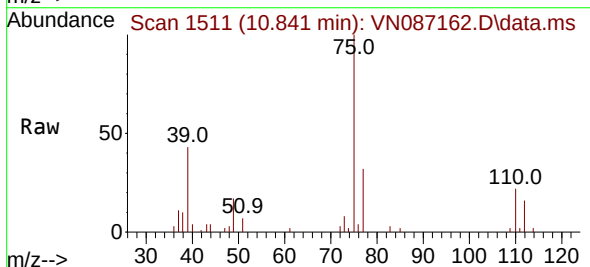
06/25/2025
Supervised By :Mahesh
Dadoda

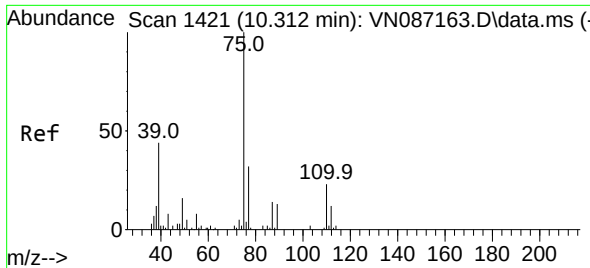
06/26/2025



#48
t-1,3-Dichloropropene
Concen: 5.467 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

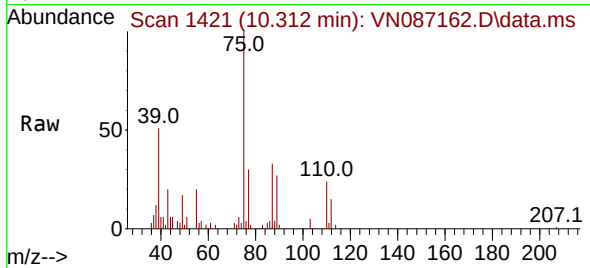
Tgt Ion: 75 Resp: 18916
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0





#49
 cis-1,3-Dichloropropene
 Concen: 5.529 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN087162.D
 Acq: 25 Jun 2025 08:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005



Tgt Ion: 75 Resp: 2104

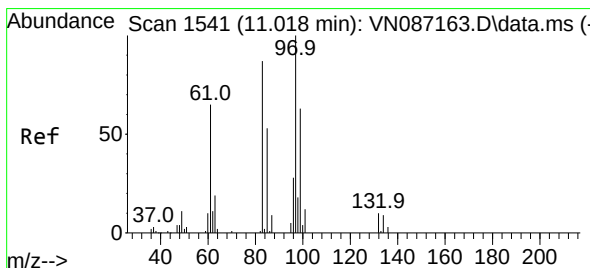
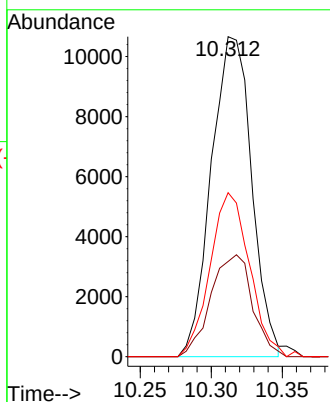
Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.4	38.2
39	51.3	35.3	52.9

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 Supervised By :Mahesh
 Dadoda

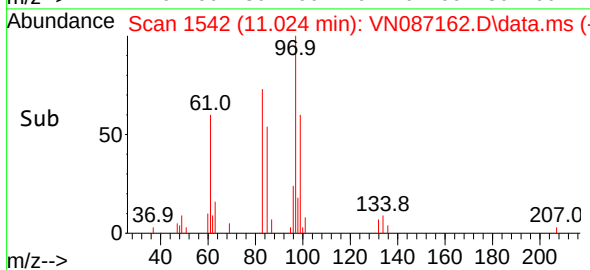
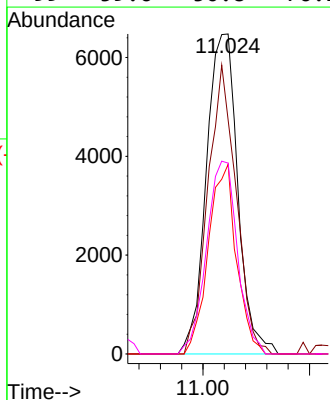
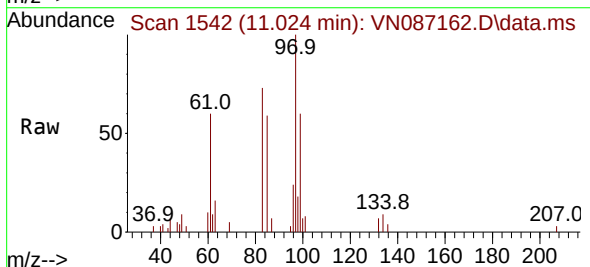
06/26/2025

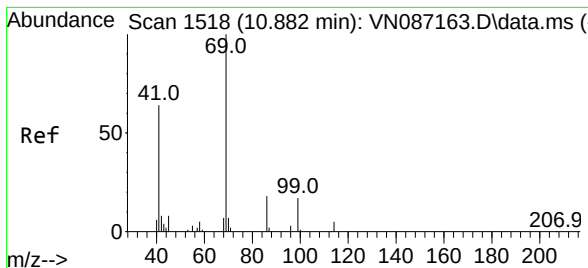


#50
 1,1,2-Trichloroethane
 Concen: 6.097 ug/l
 RT: 11.024 min Scan# 1542
 Delta R.T. 0.006 min
 Lab File: VN087162.D
 Acq: 25 Jun 2025 08:59

Tgt Ion: 97 Resp: 13266

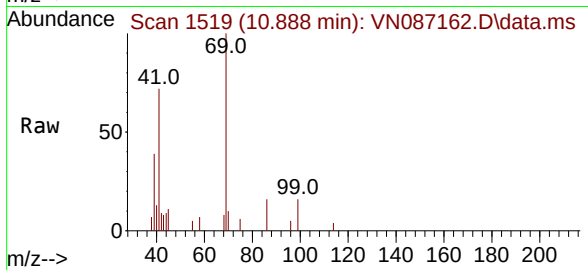
Ion	Ratio	Lower	Upper
97	100		
83	73.1	69.6	104.4
85	59.3	42.0	63.0
99	59.6	50.8	76.2





#51
Ethyl methacrylate
Concen: 4.077 ug/l m
RT: 10.888 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



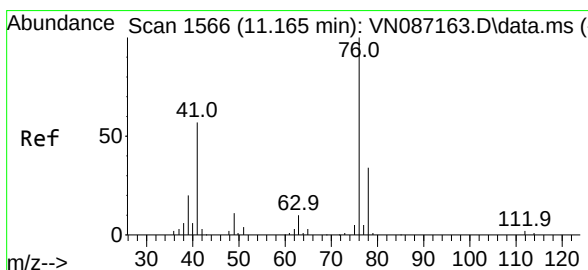
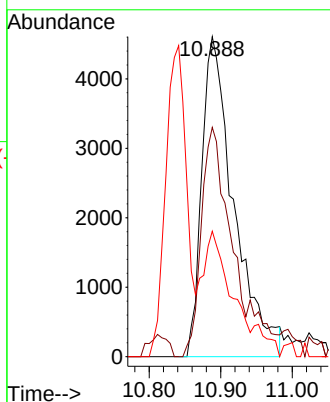
Tgt Ion: 69 Resp: 1436
Ion Ratio Lower Upper
69 100
41 71.7 31.8 95.3
39 39.2 15.3 45.8

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Reviewed By :John
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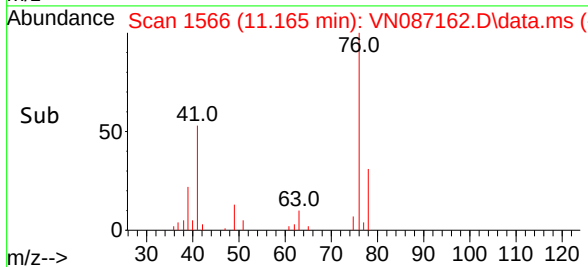
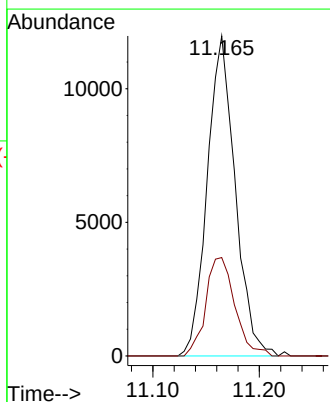
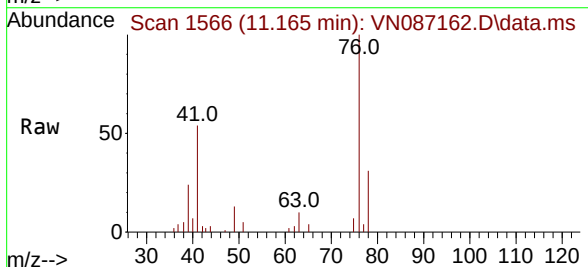
06/25/2025
Supervised By :Mahesh
Dadoda

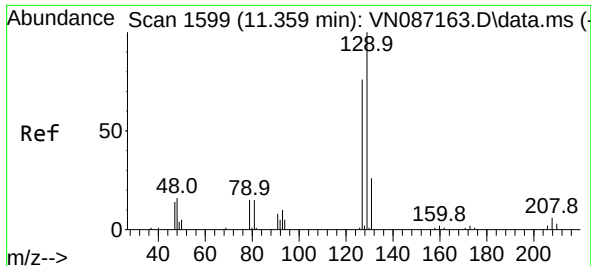
06/26/2025



#52
1,3-Dichloropropane
Concen: 5.650 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

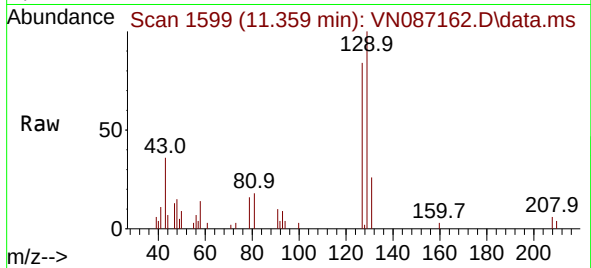
Tgt Ion: 76 Resp: 21815
Ion Ratio Lower Upper
76 100
78 31.7 0.0 63.0





#53
Dibromochloromethane
Concen: 5.184 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



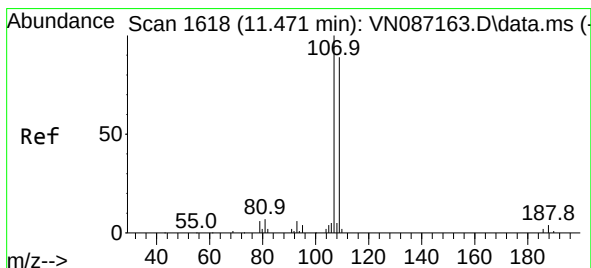
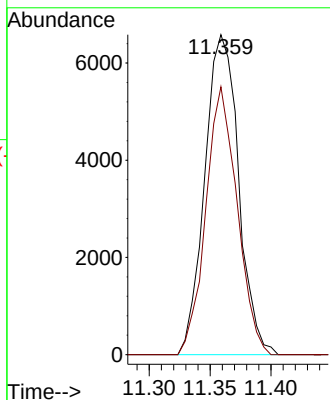
Tgt Ion:129 Resp: 12745
Ion Ratio Lower Upper
129 100
127 77.6 39.6 118.8

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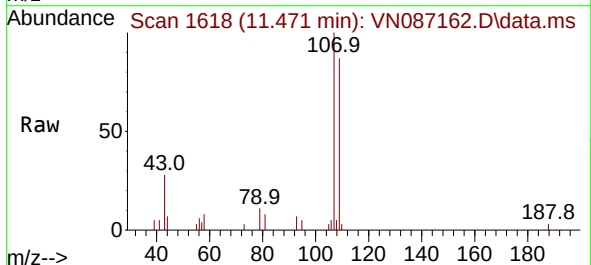
Reviewed By :John
Carlone

06/25/2025
Supervised By :Mahesh
Dadoda

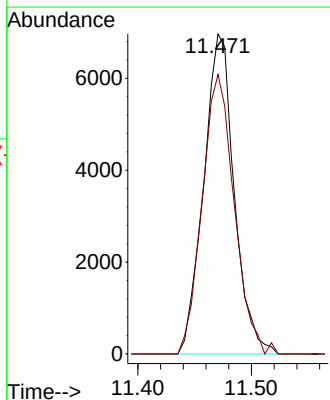
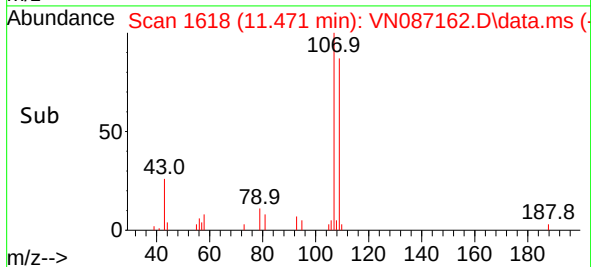
06/26/2025

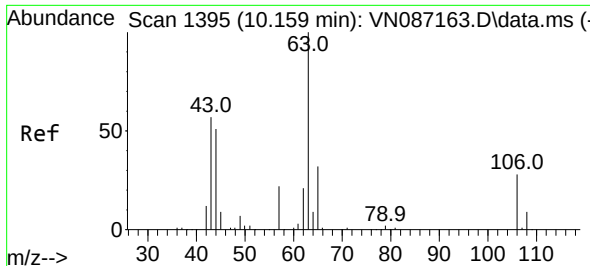


#54
1,2-Dibromoethane
Concen: 5.849 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59



Tgt Ion:107 Resp: 13009
Ion Ratio Lower Upper
107 100
109 91.0 73.5 110.3





#55
2-Chloroethyl vinyl ether
Concen: 30.031 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

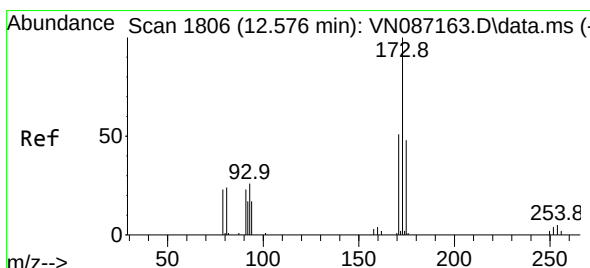
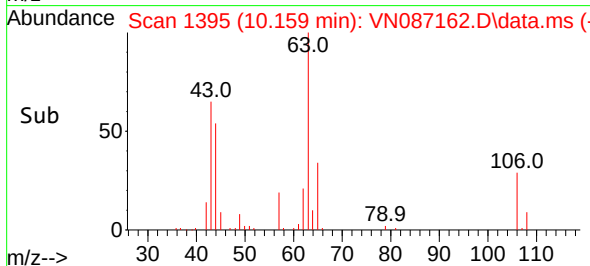
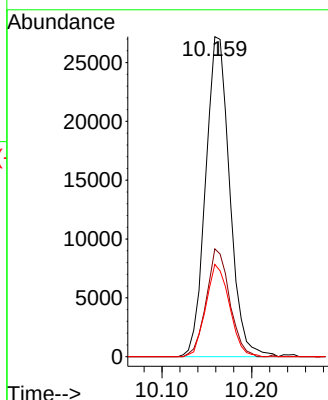
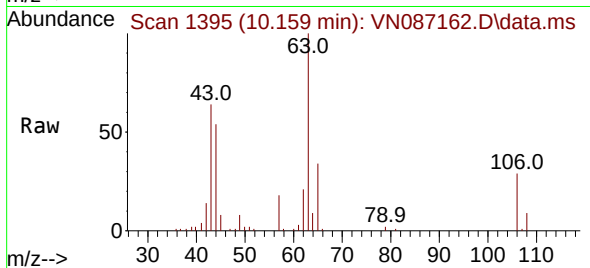
Tgt Ion: 63 Resp: 5079
Ion Ratio Lower Upper
63 100
65 32.6 25.6 38.4
106 28.3 21.9 32.9

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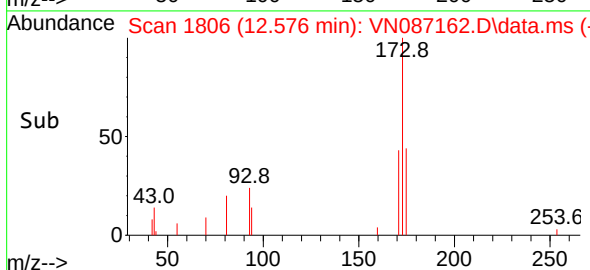
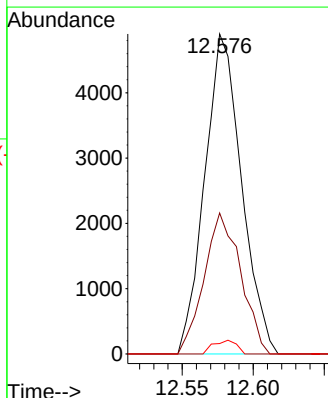
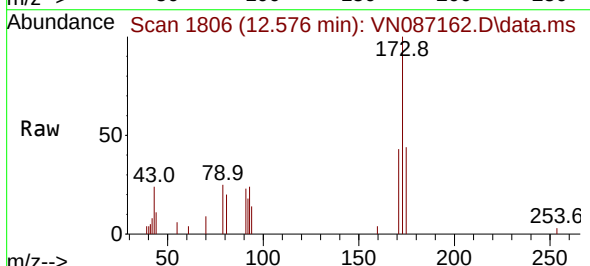
06/25/2025
Supervised By :Mahesh
Dadoda

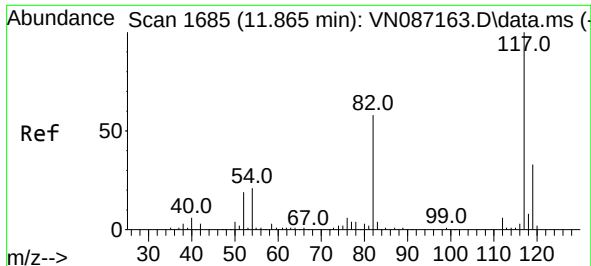
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#56
Bromoform
Concen: 5.696 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

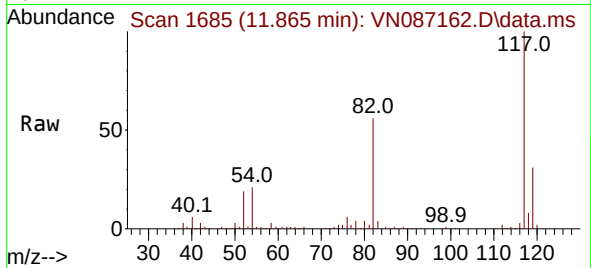
Tgt Ion:173 Resp: 8824
Ion Ratio Lower Upper
173 100
175 43.8 38.7 58.1
254 2.7 4.2 6.4#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



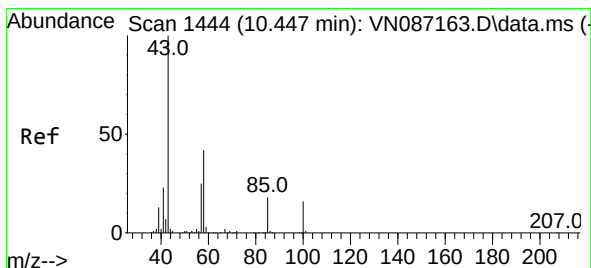
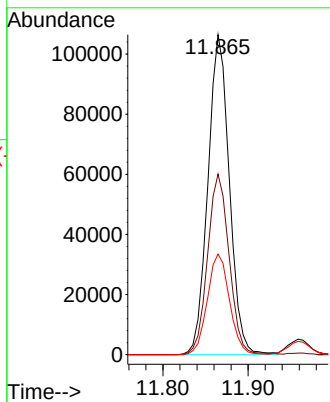
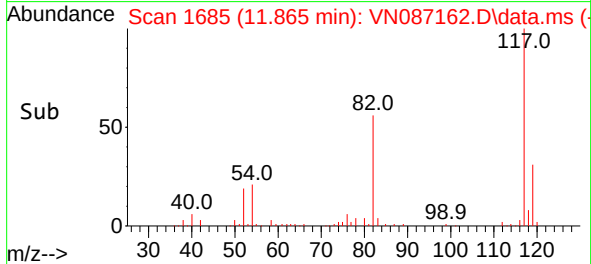
Tgt Ion: 117 Resp: 18629
Ion Ratio Lower Upper
117 100
82 56.8 45.4 68.2
119 32.5 26.2 39.4

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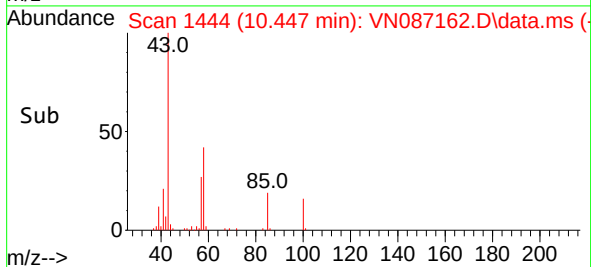
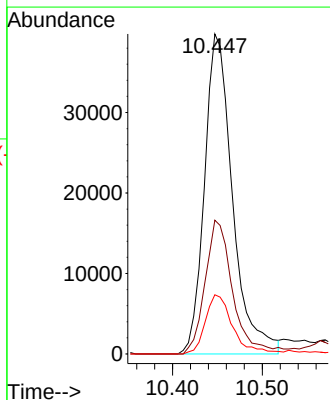
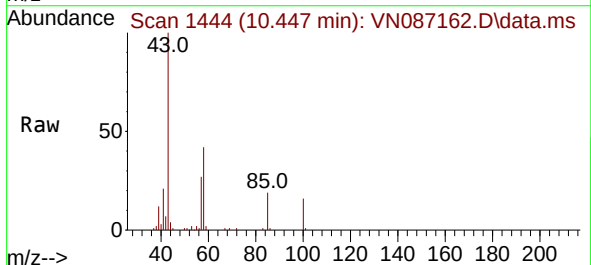
06/25/2025
Supervised By :Mahesh
Dadoda

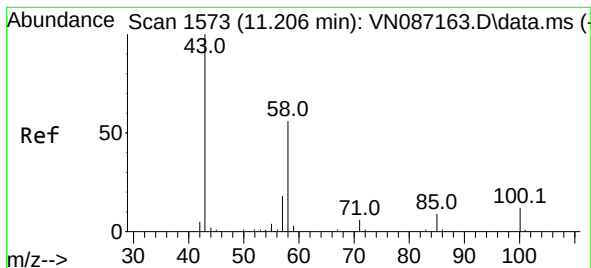
06/26/2025



#58
4-Methyl-2-Pentanone
Concen: 31.623 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

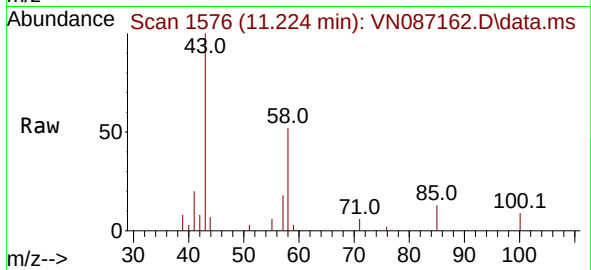
Tgt Ion: 43 Resp: 86443
Ion Ratio Lower Upper
43 100
58 40.5 32.6 49.0
85 17.9 14.6 22.0





#59
2-Hexanone
Concen: 24.166 ug/l m
RT: 11.224 min Scan# 1576
Delta R.T. 0.018 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



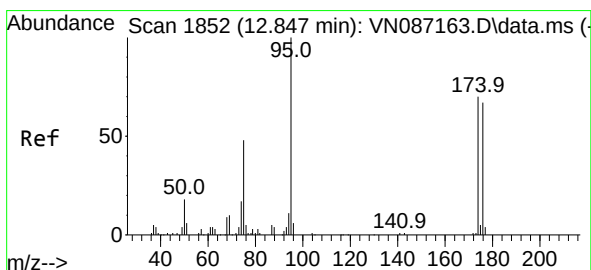
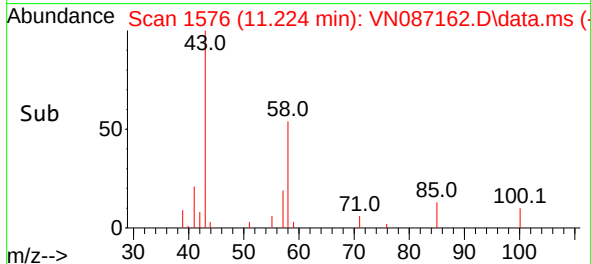
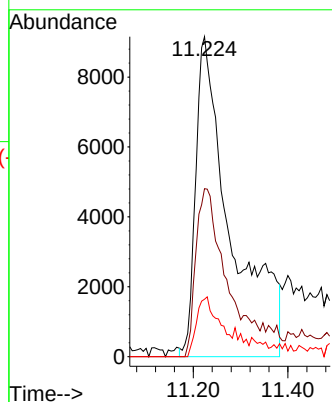
Tgt Ion: 43 Resp: 4731
Ion Ratio Lower Upper
43 100
58 40.4 49.2 73.8
57 12.2 15.3 22.9

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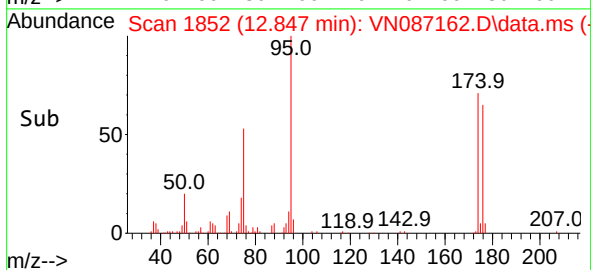
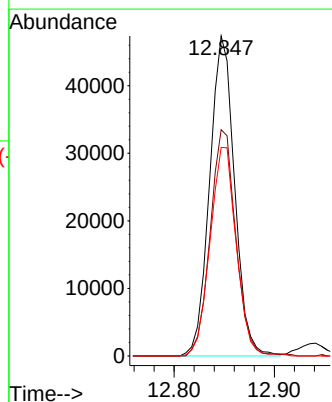
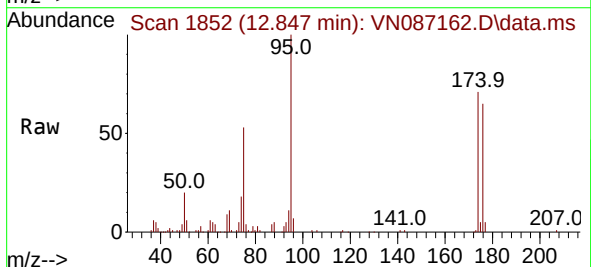
06/25/2025
Supervised By :Mahesh
Dadoda

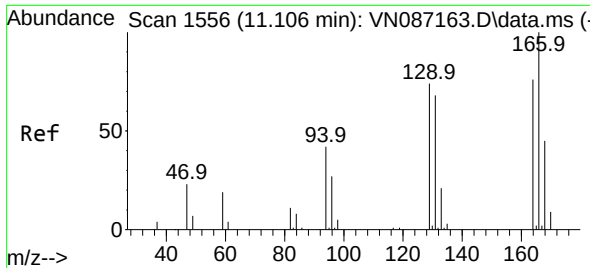
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#60
4-Bromofluorobenzene
Concen: 27.951 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

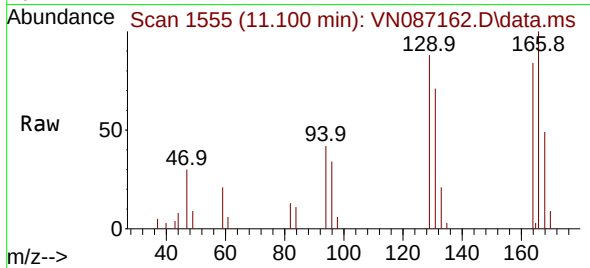
Tgt Ion: 95 Resp: 81752
Ion Ratio Lower Upper
95 100
174 72.7 54.5 81.7
176 68.3 51.9 77.9





#61
Tetrachloroethene
Concen: 3.313 ug/l
RT: 11.100 min Scan# 1556
Delta R.T. -0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



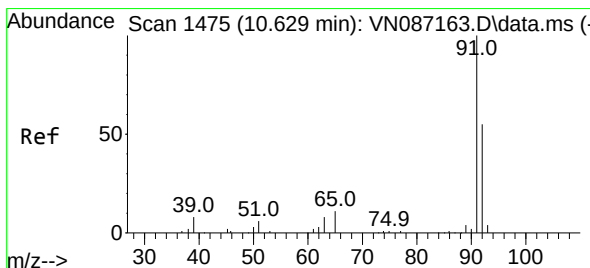
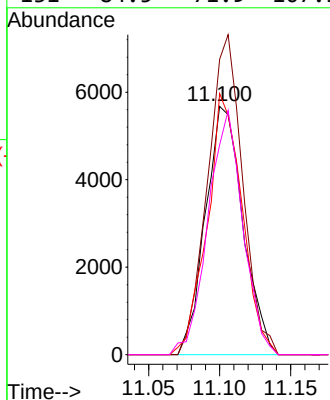
Tgt Ion:164 Resp: 10379
Ion Ratio Lower Upper
164 100
166 118.9 105.4 158.2
129 105.1 77.9 116.9
131 84.5 71.9 107.9

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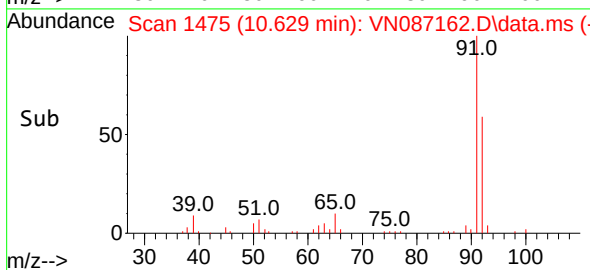
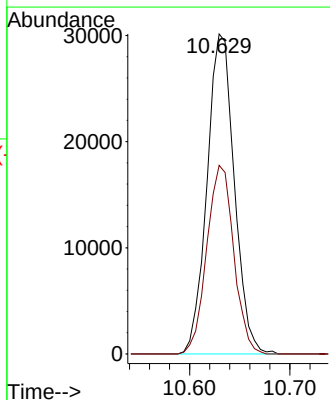
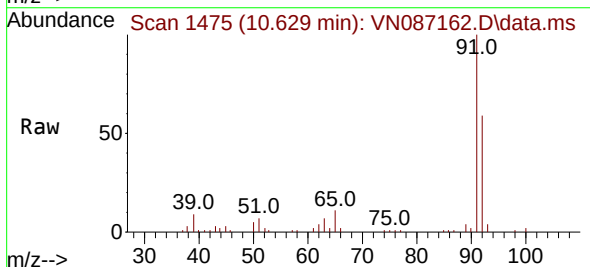
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Supervised By :Mahesh
Dadoda

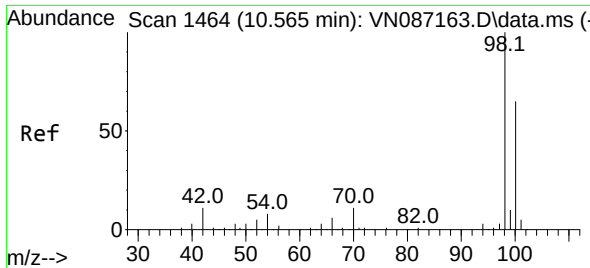
06/26/2025



#62
Toluene
Concen: 5.442 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion: 91 Resp: 57093
Ion Ratio Lower Upper
91 100
92 58.2 45.8 68.8





#63
Toluene-d8
Concen: 30.207 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

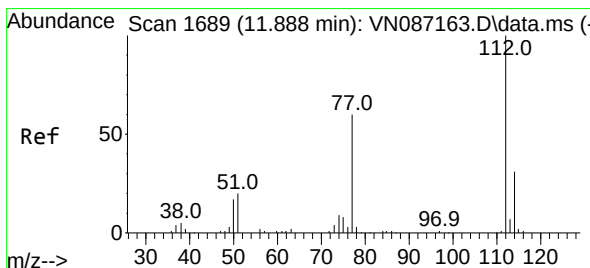
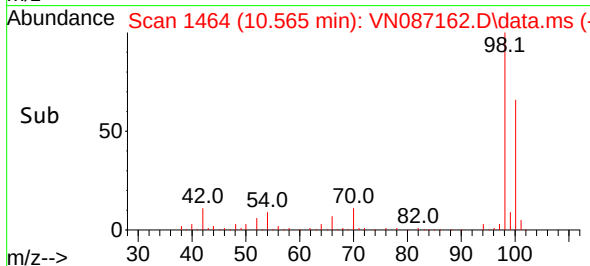
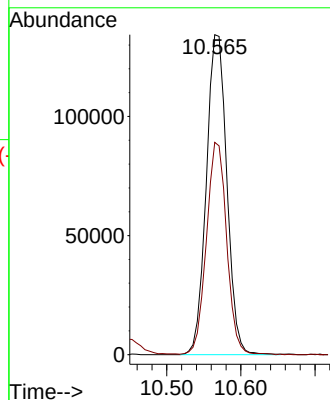
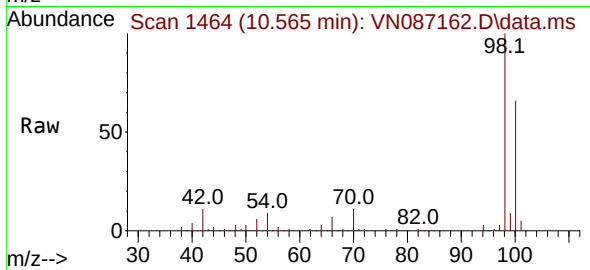
Tgt Ion: 98 Resp: 258280
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7

Manual Integrations
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Reviewed By :John
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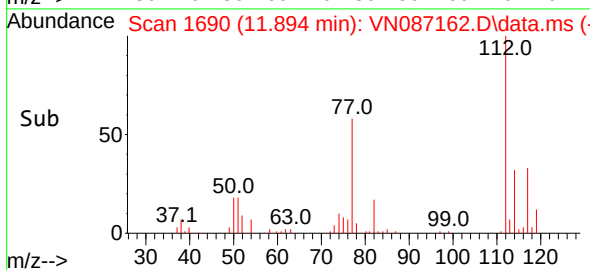
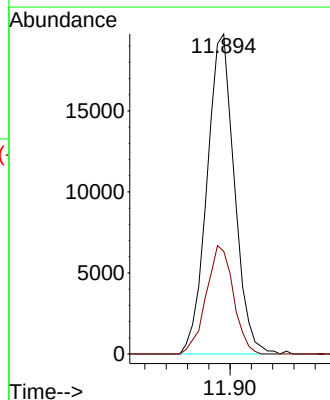
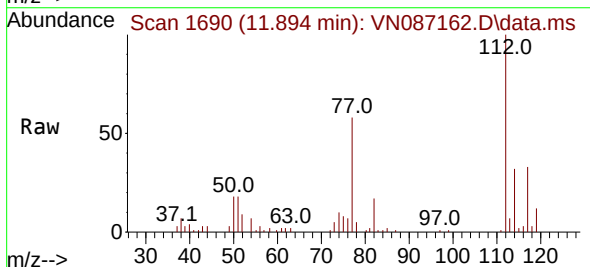
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Supervised By :Mahesh
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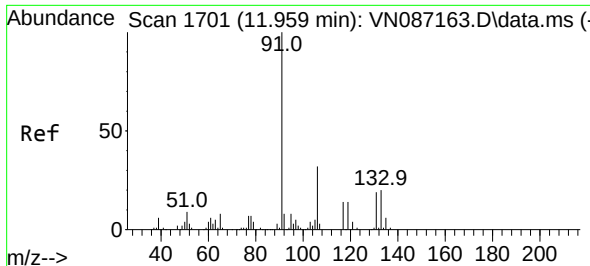
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#64
Chlorobenzene
Concen: 5.272 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

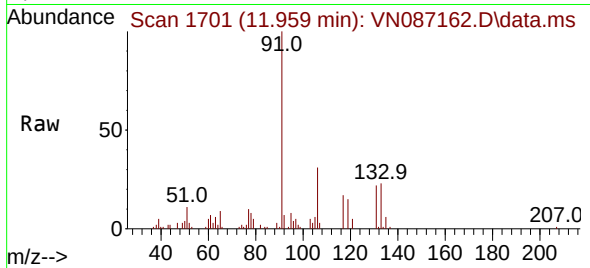
Tgt Ion:112 Resp: 35274
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.4





#65
1,1,1,2-Tetrachloroethane
Concen: 5.318 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



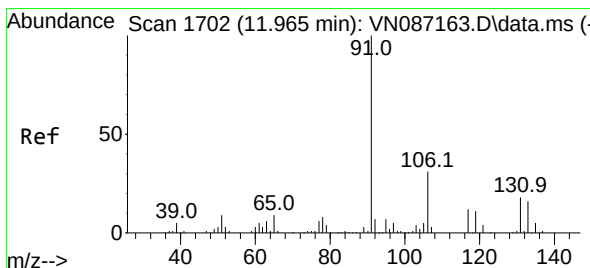
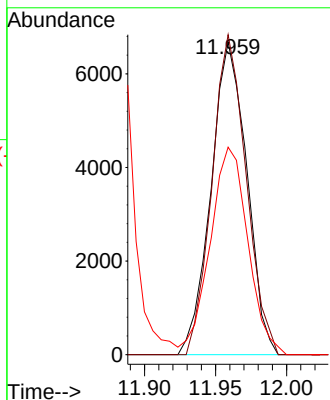
Tgt Ion:131 Resp: 11689
Ion Ratio Lower Upper
131 100
133 97.9 0.0 187.8
119 70.1 0.0 140.0

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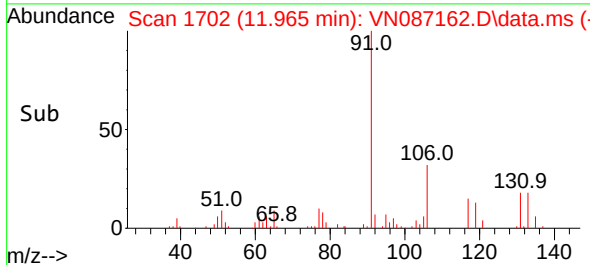
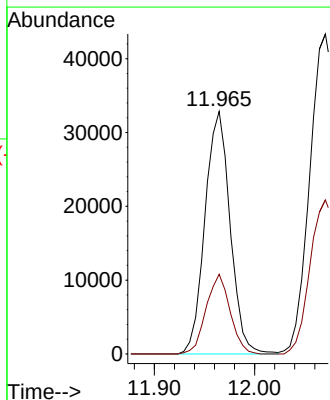
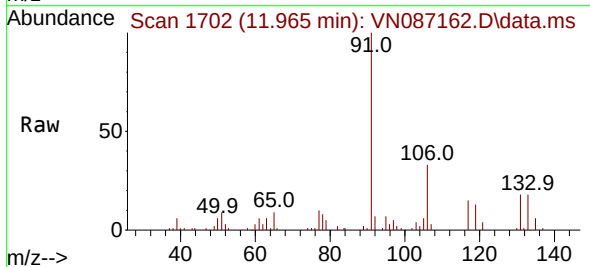
06/25/2025
Supervised By :Mahesh
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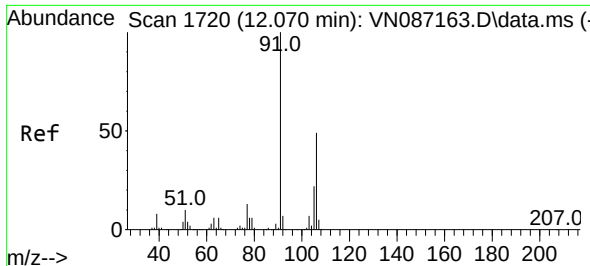
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#66
Ethyl Benzene
Concen: 5.053 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion: 91 Resp: 57341
Ion Ratio Lower Upper
91 100
106 32.9 24.8 37.2





#67
m/p-Xylenes
Concen: 9.681 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

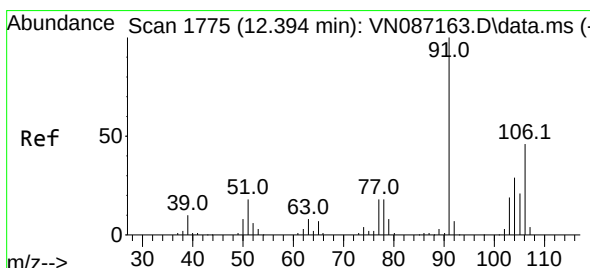
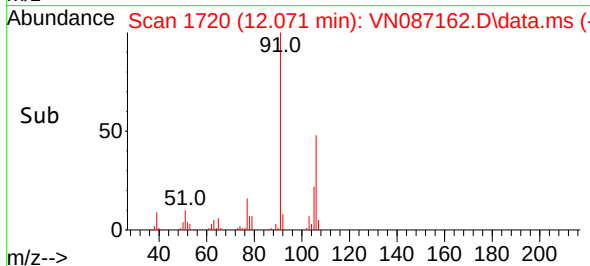
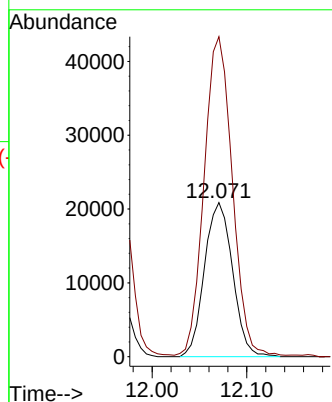
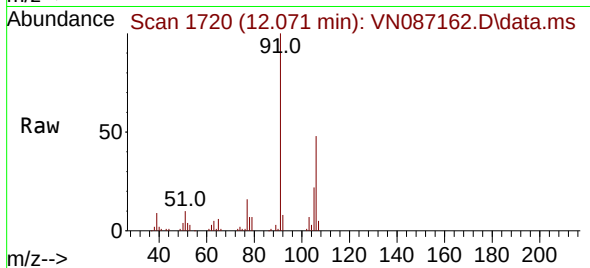
Tgt Ion:106 Resp: 43110
Ion Ratio Lower Upper
106 100
91 208.9 163.0 244.4

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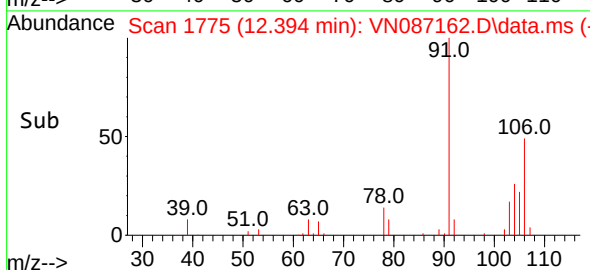
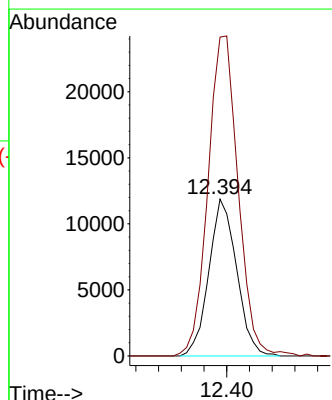
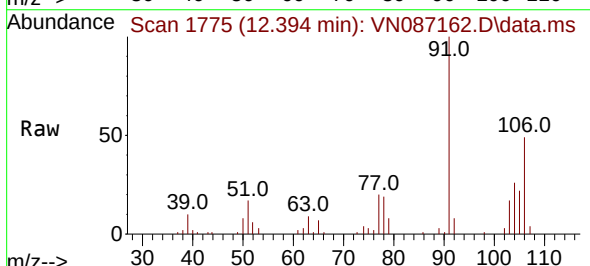
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Supervised By :Mahesh
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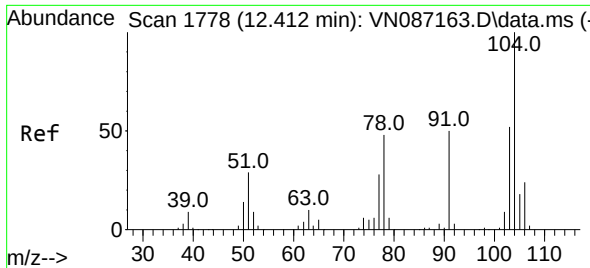
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#68
o-Xylene
Concen: 4.677 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion:106 Resp: 20187
Ion Ratio Lower Upper
106 100
91 219.5 107.1 321.1





#69
Styrene
Concen: 4.688 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

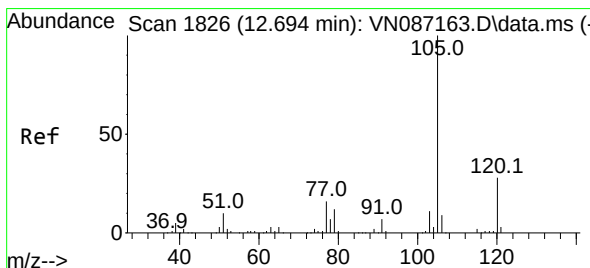
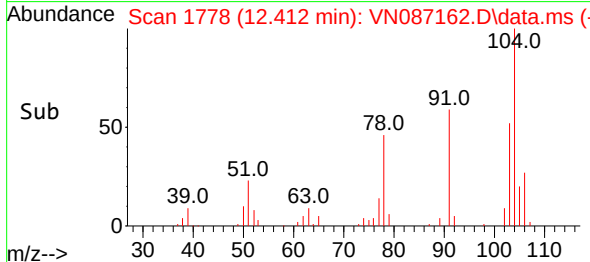
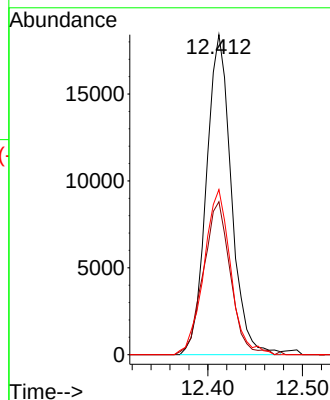
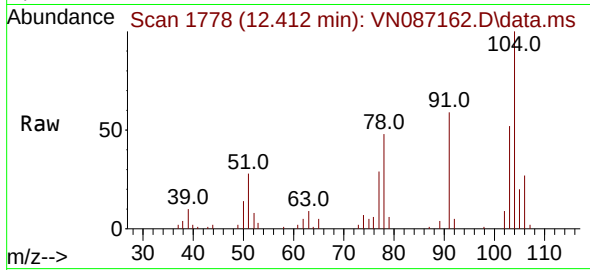
Tgt Ion:104 Resp: 3371
Ion Ratio Lower Upper
104 100
78 51.3 39.8 59.8
103 55.4 44.2 66.4

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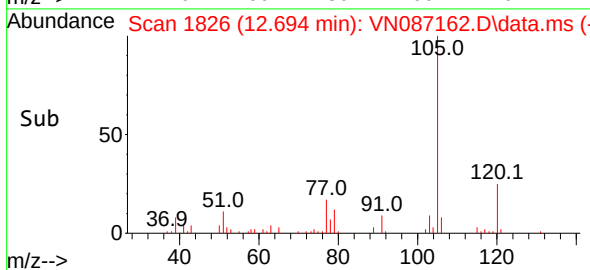
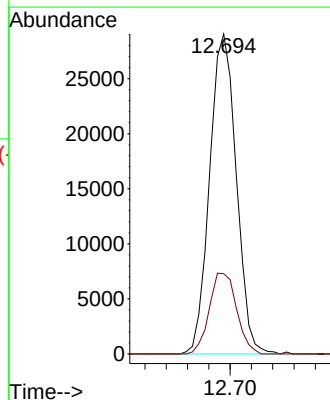
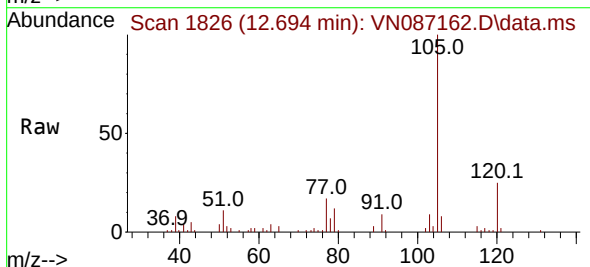
06/25/2025
Supervised By :Mahesh
Dadoda

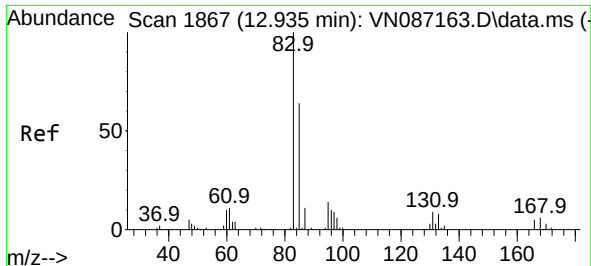
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#70
Isopropylbenzene
Concen: 4.908 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

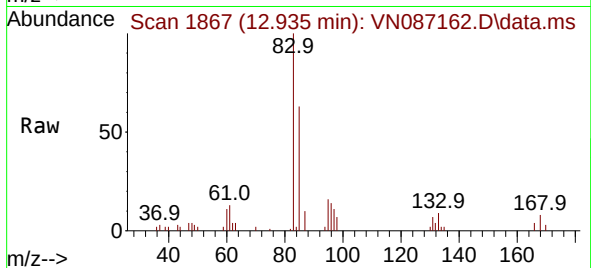
Tgt Ion:105 Resp: 50380
Ion Ratio Lower Upper
105 100
120 25.9 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 7.945 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



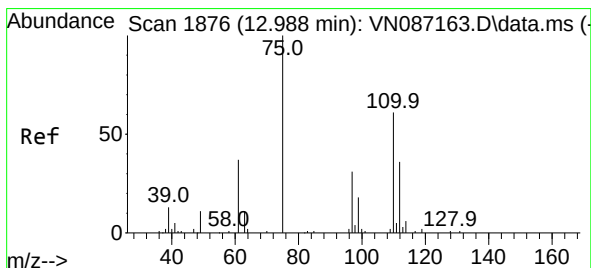
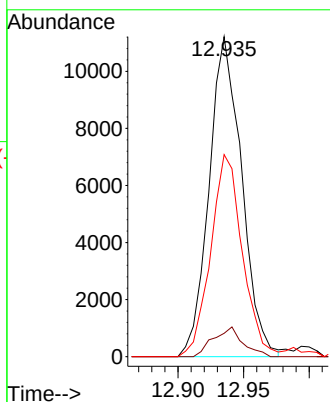
Tgt Ion: 83 Resp: 19389
Ion Ratio Lower Upper
83 100
131 8.4 4.5 13.4
85 61.4 31.3 93.9

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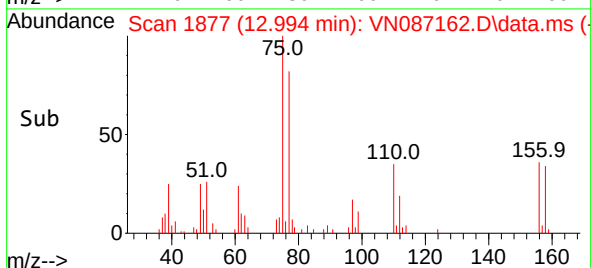
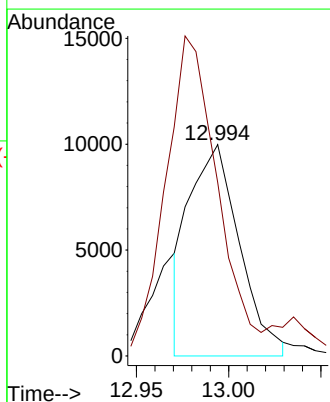
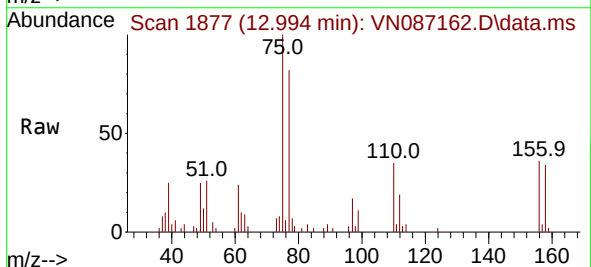
06/25/2025
Supervised By :Mahesh
Dadoda

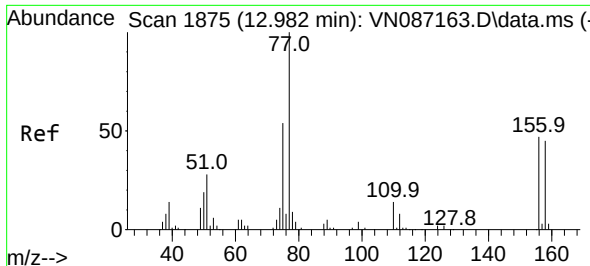
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#72
1,2,3-Trichloropropane
Concen: 6.625 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

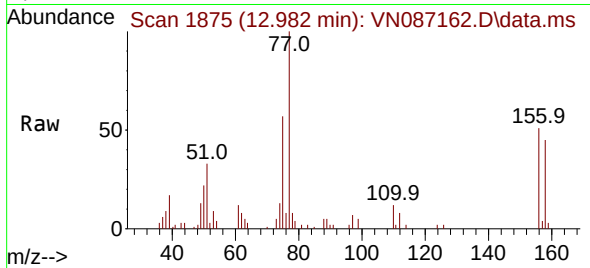
Tgt Ion: 75 Resp: 18949
Ion Ratio Lower Upper
75 100
77 156.3 0.0 379.2





#73
Bromobenzene
Concen: 5.063 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



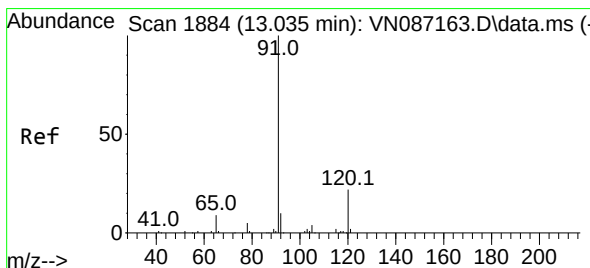
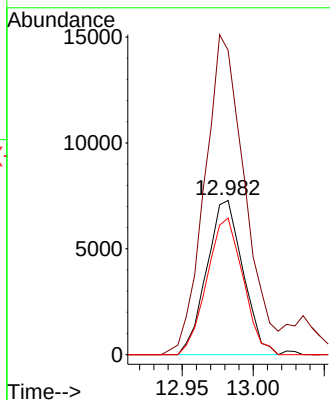
Tgt Ion:156 Resp: 1291
Ion Ratio Lower Upper
156 100
77 229.3 0.0 489.0
158 88.4 0.0 195.2

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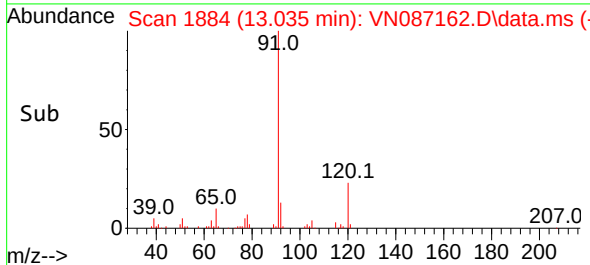
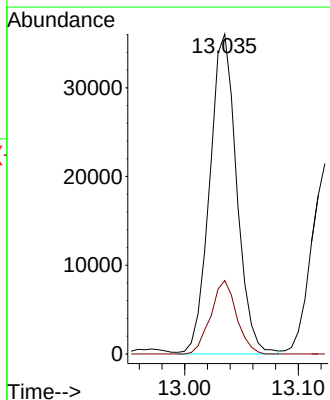
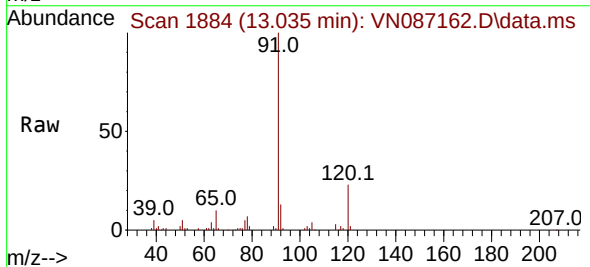
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Supervised By :Mahesh
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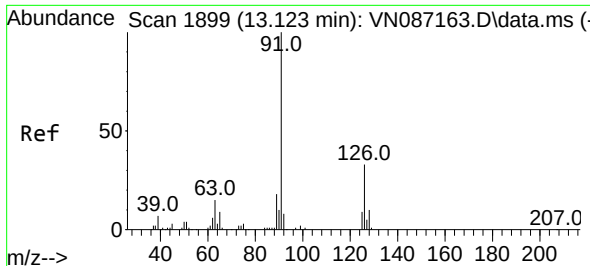
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#74
n-propylbenzene
Concen: 4.902 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion: 91 Resp: 59601
Ion Ratio Lower Upper
91 100
120 21.9 0.0 43.6





#75
2-Chlorotoluene
Concen: 4.877 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

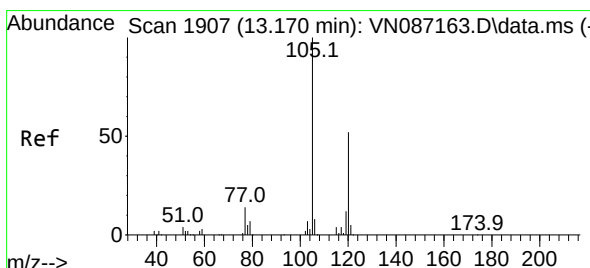
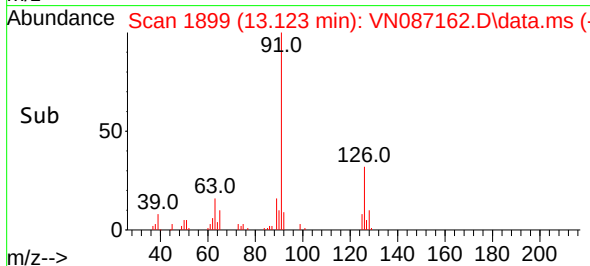
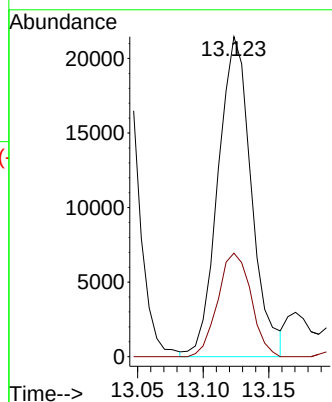
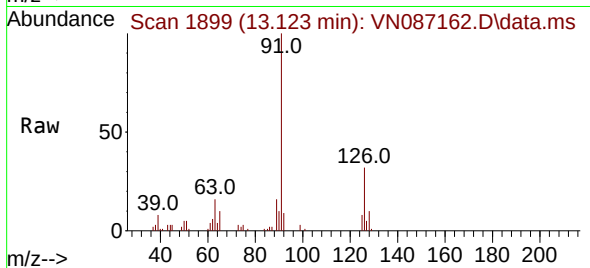
Tgt Ion: 91 Resp: 3806
Ion Ratio Lower Upper
91 100
126 32.1 0.0 63.8

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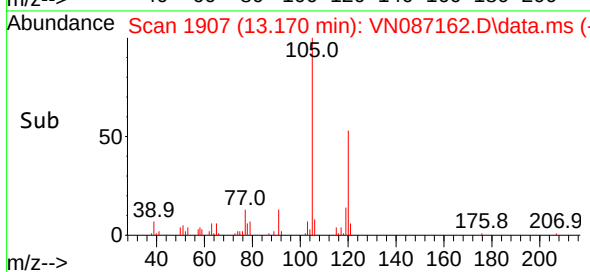
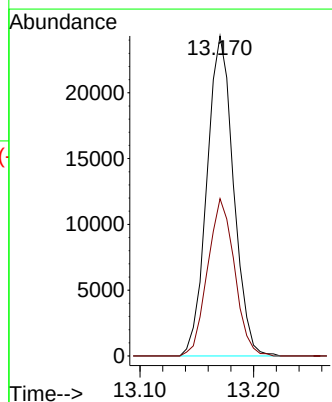
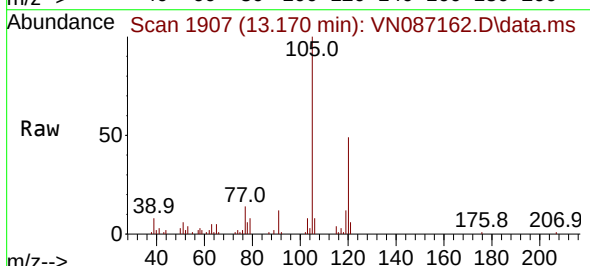
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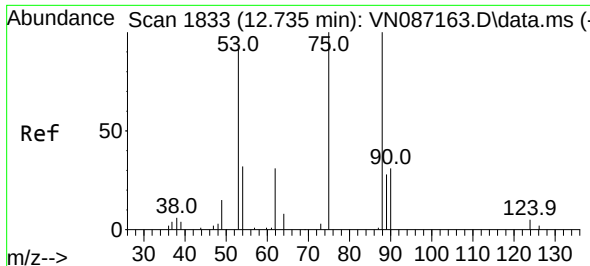
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#76
1,3,5-Trimethylbenzene
Concen: 4.636 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

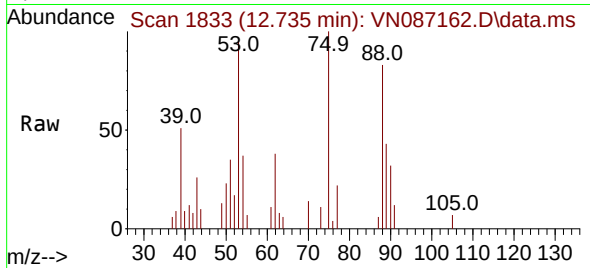
Tgt Ion:105 Resp: 39593
Ion Ratio Lower Upper
105 100
120 49.6 0.0 100.8





#77
t-1,4-Dichloro-2-butene
Concen: 5.549 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



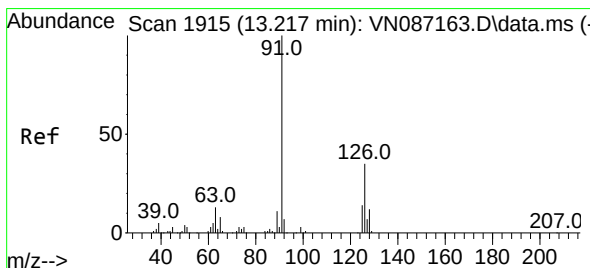
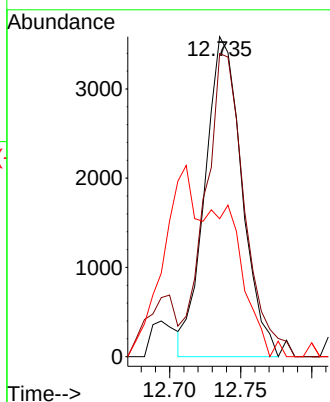
Tgt Ion: 75 Resp: 649
Ion Ratio Lower Upper
75 100
53 89.0 45.9 137.6
89 38.2 22.3 66.9

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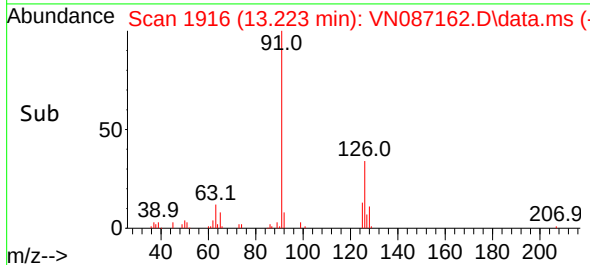
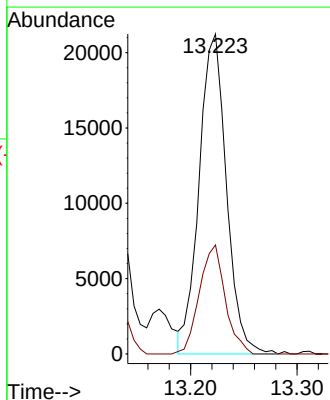
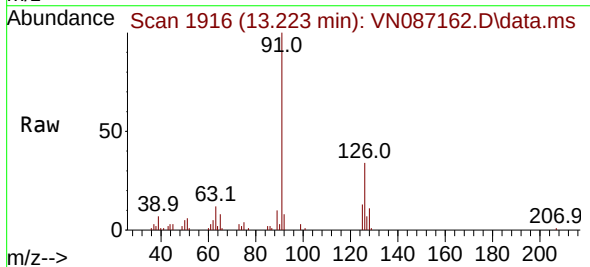
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Supervised By :Mahesh
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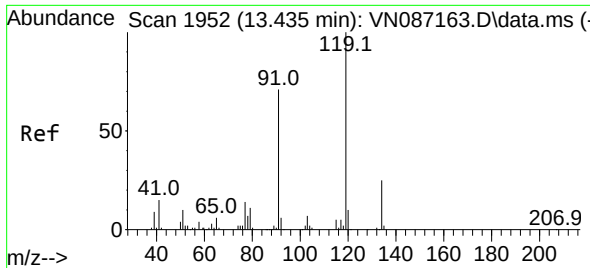
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#78
4-Chlorotoluene
Concen: 4.899 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion: 91 Resp: 37874
Ion Ratio Lower Upper
91 100
126 32.2 0.0 65.2





#79
tert-butylbenzene
Concen: 4.309 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

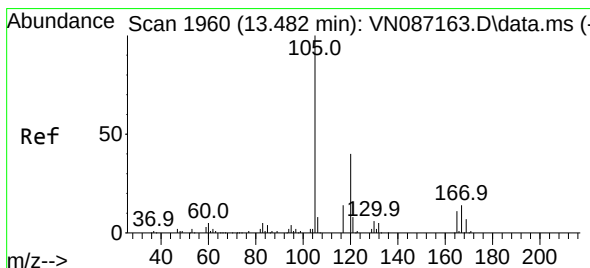
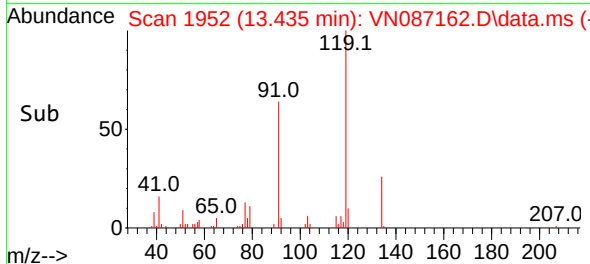
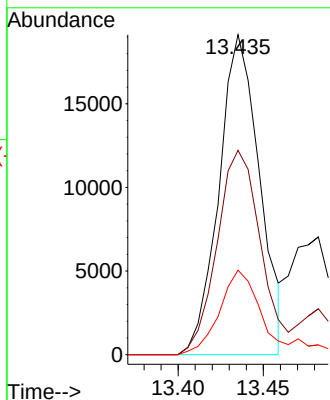
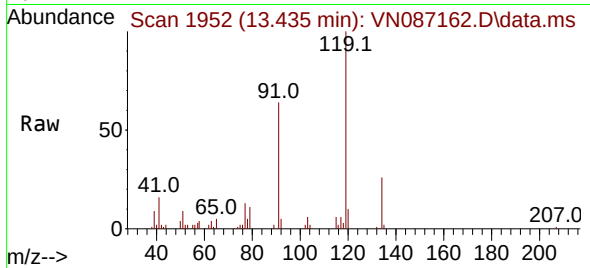
Tgt Ion:119 Resp: 31810
Ion Ratio Lower Upper
119 100
91 68.6 0.0 137.0
134 26.1 0.0 49.4

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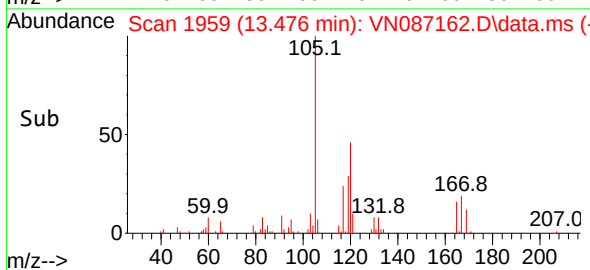
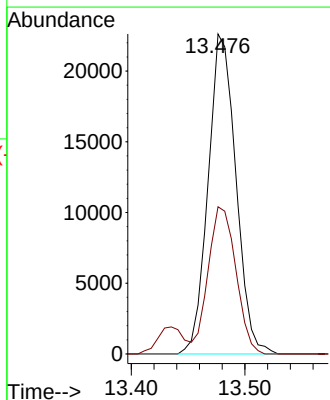
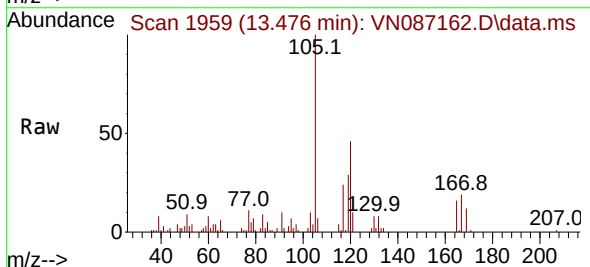
06/25/2025
Supervised By :Mahesh
Dadoda

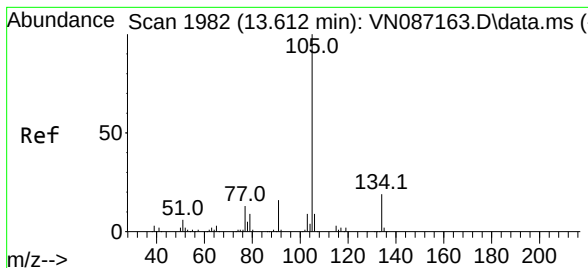
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#80
1,2,4-Trimethylbenzene
Concen: 4.486 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion:105 Resp: 38448
Ion Ratio Lower Upper
105 100
120 45.8 0.0 94.0





#81
 sec-Butylbenzene
 Concen: 4.864 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN087162.D
 Acq: 25 Jun 2025 08:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

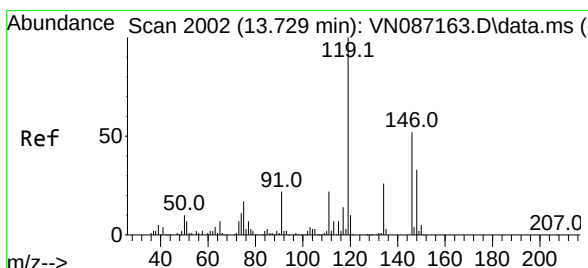
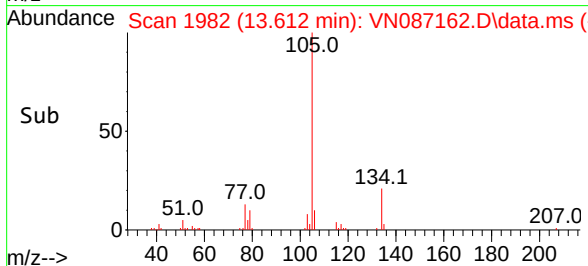
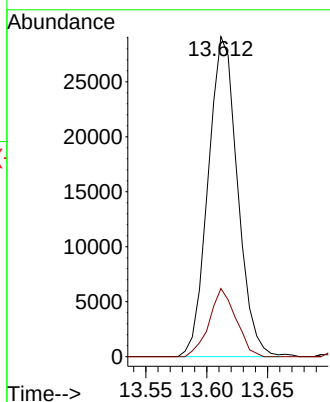
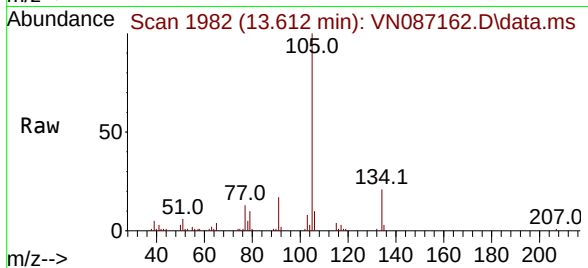
Tgt Ion:105 Resp: 48920
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 39.4

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Reviewed By :John
 Carlone

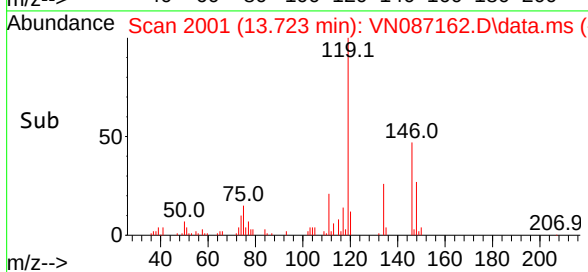
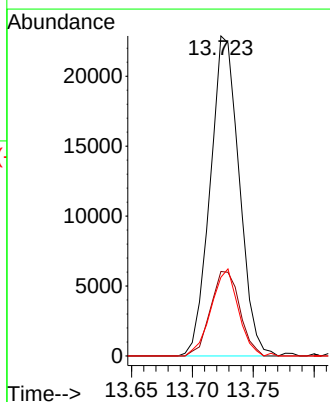
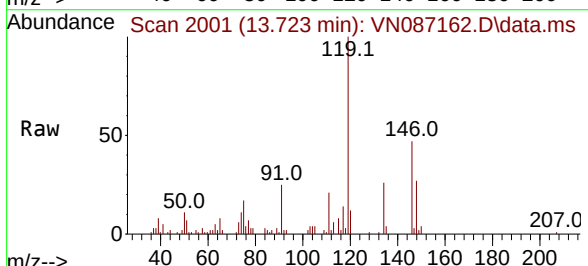
06/25/2025
 Supervised By :Mahesh
 Dadoda

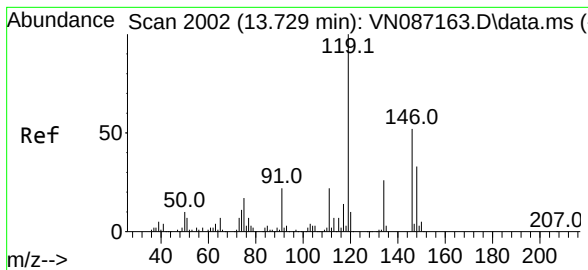
06/26/2025



#82
 p-Isopropyltoluene
 Concen: 4.499 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.006 min
 Lab File: VN087162.D
 Acq: 25 Jun 2025 08:59

Tgt Ion:119 Resp: 37999
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 51.2
 91 25.4 0.0 46.4





#83
 1,3-Dichlorobenzene
 Concen: 5.185 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN087162.D
 Acq: 25 Jun 2025 08:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

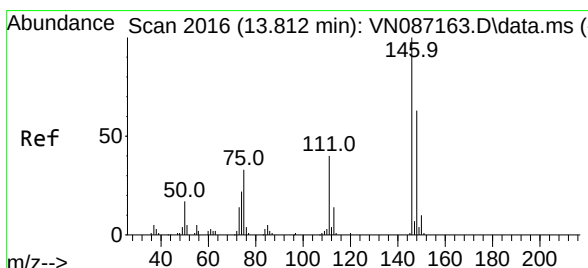
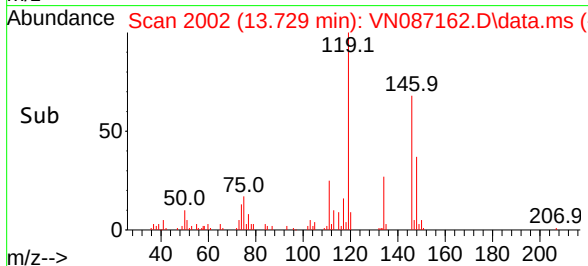
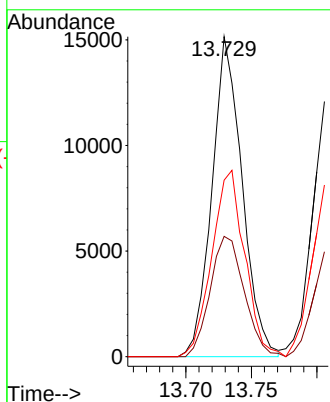
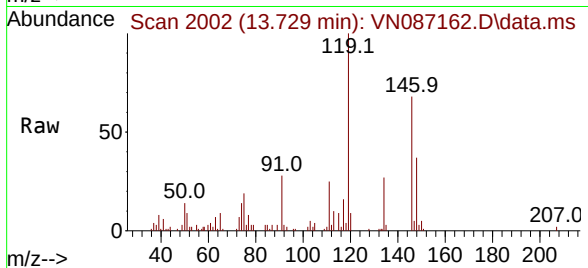
Tgt Ion:146 Resp: 2427
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.1 63.3
 148 63.4 31.6 94.8

Manual Integrations
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Reviewed By :John
 Carlone

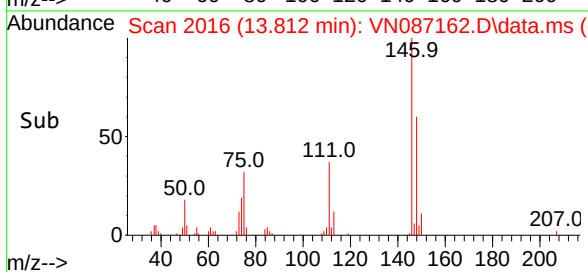
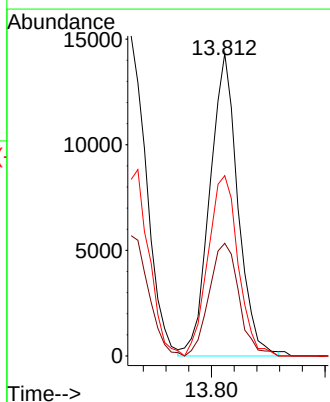
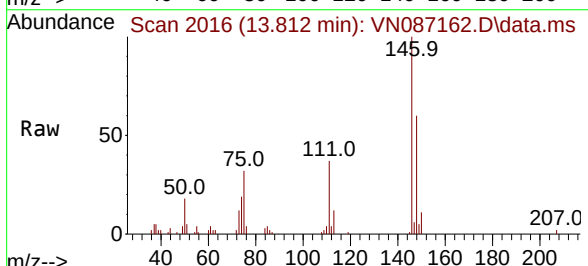
06/25/2025
 Supervised By :Mahesh
 Dadoda

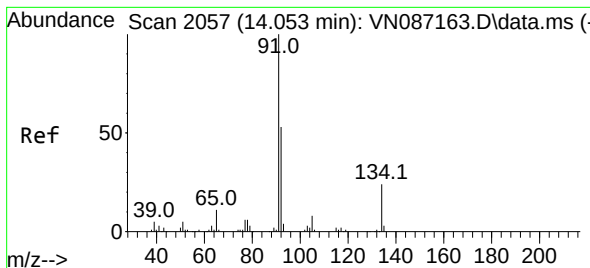
06/26/2025



#84
 1,4-Dichlorobenzene
 Concen: 5.276 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VN087162.D
 Acq: 25 Jun 2025 08:59

Tgt Ion:146 Resp: 24573
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.1 60.2
 148 63.9 31.4 94.2





#85

n-Butylbenzene

Concen: 4.908 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN087162.D

Acq: 25 Jun 2025 08:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

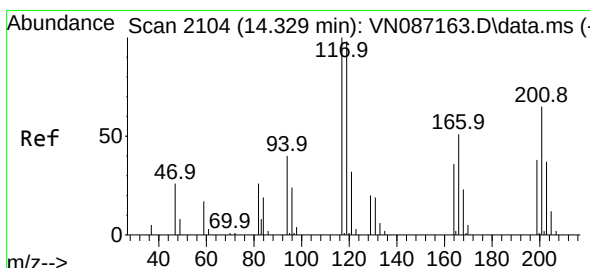
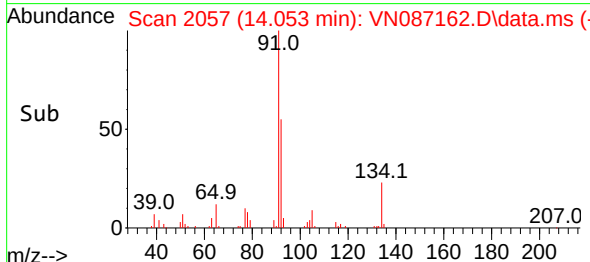
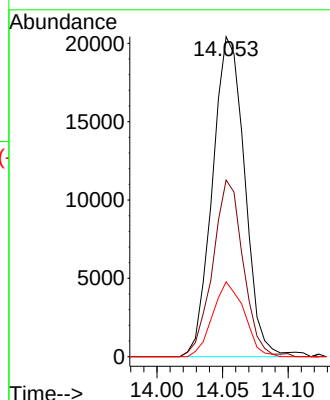
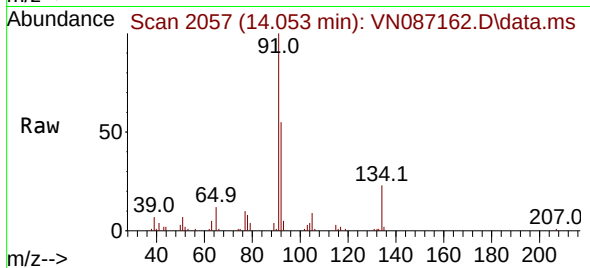
Tgt Ion: 91	Resp: 34704
Ion Ratio	Lower Upper
91 100	
92 52.2	0.0 106.4
134 22.9	0.0 48.8

Manual Integrations
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Reviewed By :John
Carlone

06/25/2025
Supervised By :Mahesh
Dadoda

06/26/2025



#86

Hexachloroethane

Concen: 5.811 ug/l

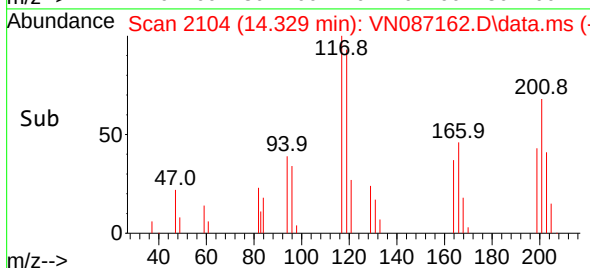
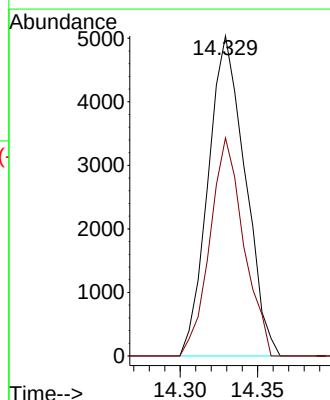
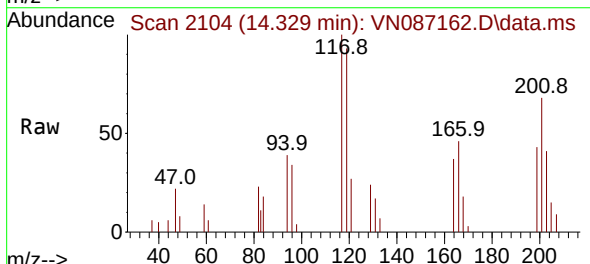
RT: 14.329 min Scan# 2104

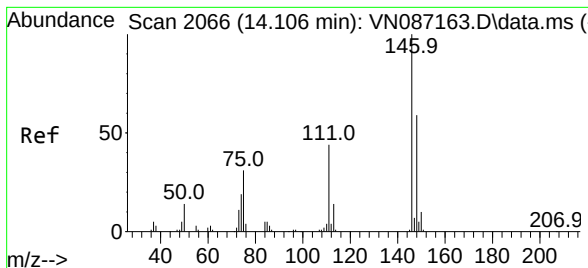
Delta R.T. 0.000 min

Lab File: VN087162.D

Acq: 25 Jun 2025 08:59

Tgt Ion: 117	Resp: 8365
Ion Ratio	Lower Upper
117 100	
201 62.3	30.8 92.3





#87

1,2-Dichlorobenzene

Concen: 4.947 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN087162.D

Acq: 25 Jun 2025 08:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	2233
Ion Ratio	Lower	Upper	
146	100		
111	44.0	22.1	66.1
148	64.6	31.6	95.0

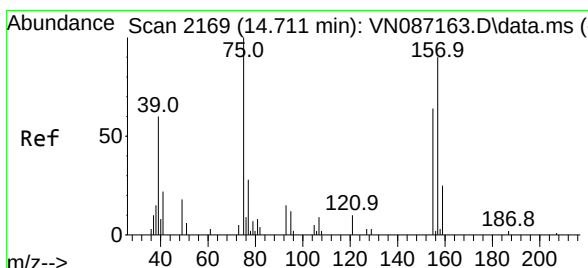
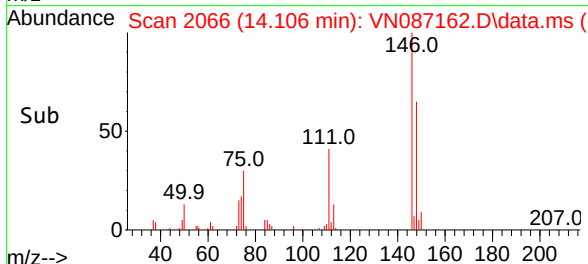
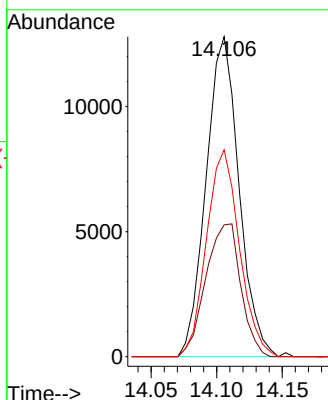
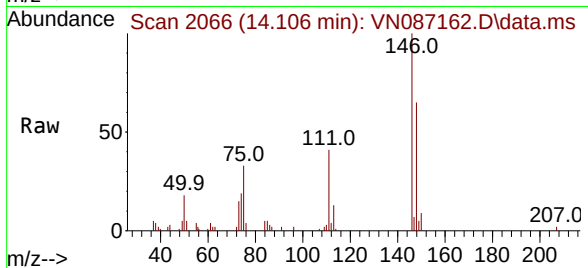
Manual Integrations
APPROVED

Reviewed By :John
Carlone

06/25/2025

Supervised By :Mahesh
Dadoda

06/26/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 7.857 ug/l

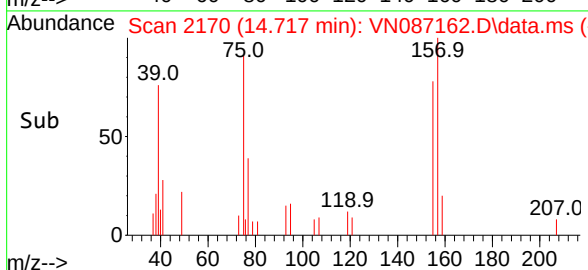
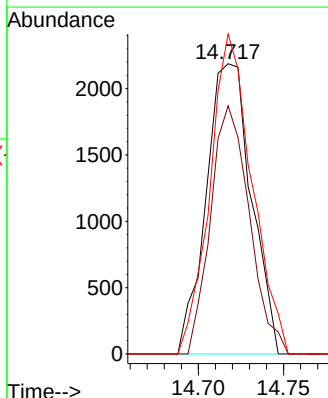
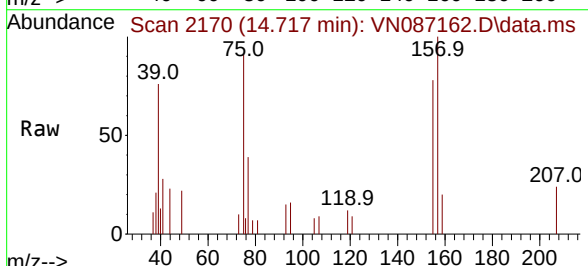
RT: 14.717 min Scan# 2170

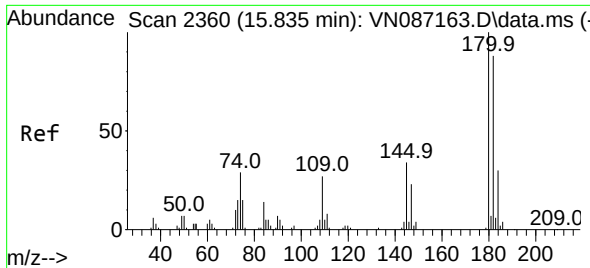
Delta R.T. 0.006 min

Lab File: VN087162.D

Acq: 25 Jun 2025 08:59

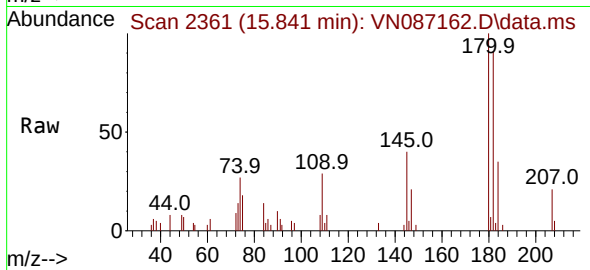
Tgt Ion:	75	Resp:	4038
Ion Ratio	Lower	Upper	
75	100		
155	73.7	58.3	87.5
157	102.6	79.2	118.8





#89
1,2,4-Trichlorobenzene
Concen: 6.563 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



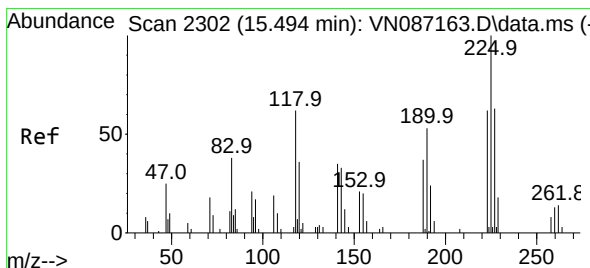
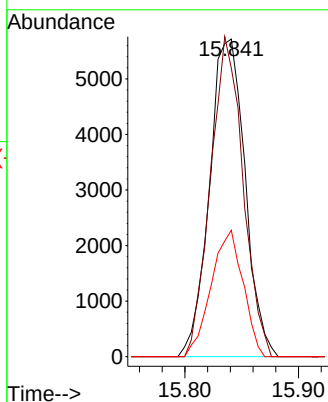
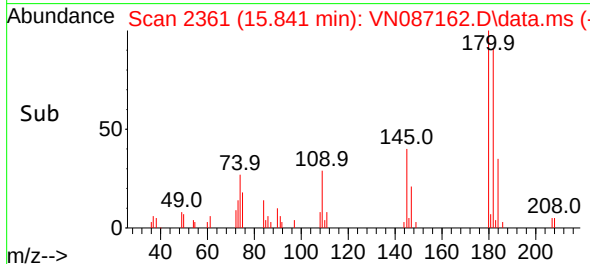
Tgt Ion:180 Resp: 1240
Ion Ratio Lower Upper
180 100
182 92.2 74.2 111.2
145 35.8 27.6 41.4

Manual Integrations
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Reviewed By :John
Carlone

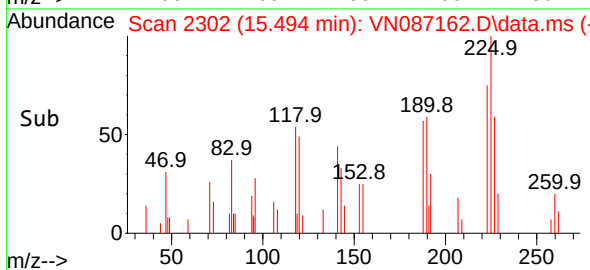
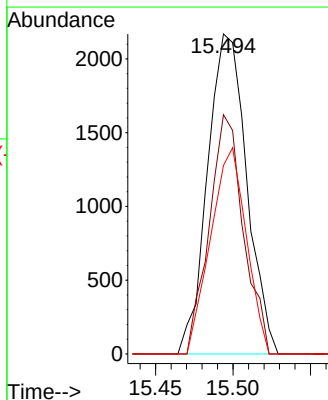
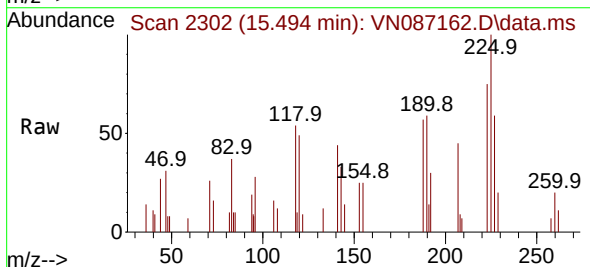
06/25/2025
Supervised By :Mahesh
Dadoda

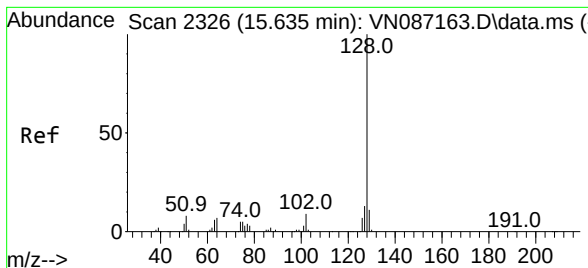
06/26/2025



#90
Hexachlorobutadiene
Concen: 4.711 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion:225 Resp: 3815
Ion Ratio Lower Upper
225 100
223 65.3 0.0 134.2
227 58.6 0.0 122.6





#91
Naphthalene
Concen: 6.710 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

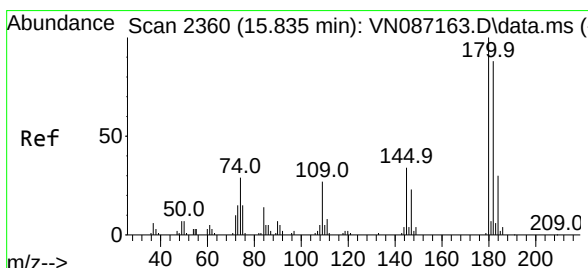
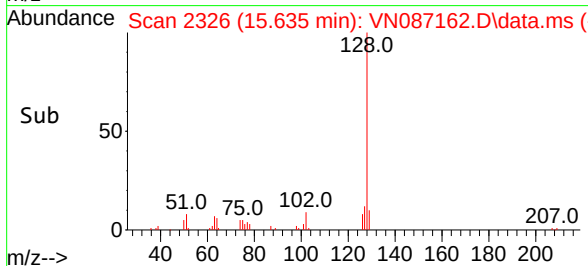
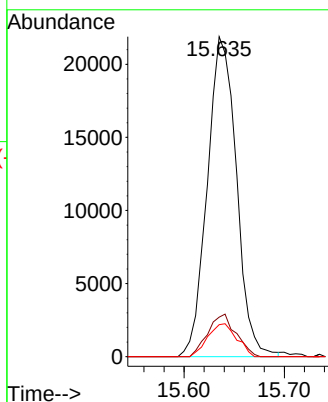
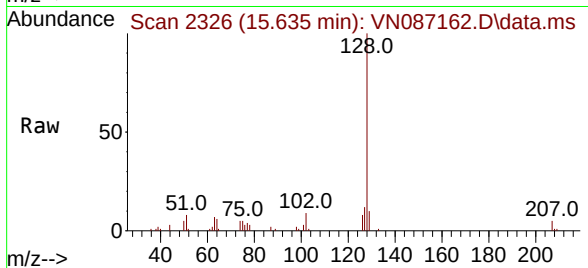
Tgt Ion:128 Resp: 4423
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 10.2 8.8 13.2

Manual Integrations
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Reviewed By :John
Carlone

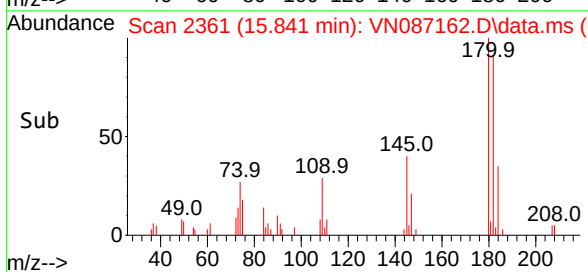
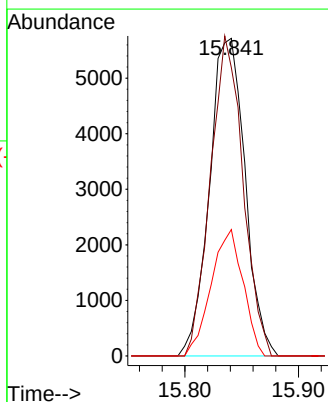
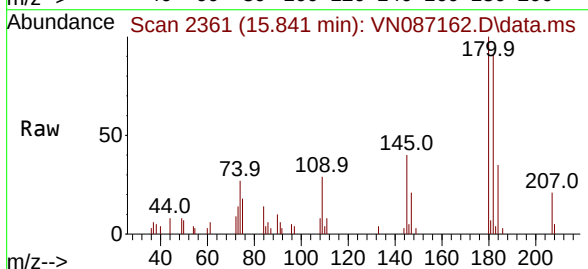
06/25/2025
Supervised By :Mahesh
Dadoda

06/26/2025



#92
1,2,3-Trichlorobenzene
Concen: 6.563 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN087162.D
Acq: 25 Jun 2025 08:59

Tgt Ion:180 Resp: 12402
Ion Ratio Lower Upper
180 100
182 92.2 0.0 185.4
145 35.8 0.0 69.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087163.D
 Acq On : 25 Jun 2025 09:20
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:35:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	35021	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	9.106	114	196036	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	185687	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	80849	33.600	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 112.000%#			
60) 4-Bromofluorobenzene	12.847	95	83246	28.555	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.167%			
63) Toluene-d8	10.565	98	259828	30.486	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.633%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	38576	16.218	ug/l	97
3) Chloromethane	2.395	50	36457	11.888	ug/l	98
4) Vinyl Chloride	2.553	62	42008	14.885	ug/l	93
5) Bromomethane	3.001	94	22531	15.067	ug/l	93
6) Chloroethane	3.153	64	22548	13.062	ug/l	98
7) Trichlorofluoromethane	3.530	101	54211	16.400	ug/l	97
8) Diethyl Ether	3.983	74	25082	18.191	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.400	101	39250	19.375	ug/l	86
10) 1,1-Dichloroethene	4.371	96	39141	18.952	ug/l	99
11) Methyl Iodide	4.612	142	30168	12.391	ug/l	95
12) Methyl Acetate	5.047	43	61084	26.632	ug/l	94
13) Acrolein	4.206	56	41919	176.912	ug/l	100
14) Acrylonitrile	5.736	53	143262	134.221	ug/l	98
15) Acetone	4.453	58	42803	158.384	ug/l	88
16) Carbon Disulfide	4.736	76	113169	18.771	ug/l	100
17) Allyl chloride	5.042	41	64418	20.995	ug/l	92
18) Methylene Chloride	5.300	84	45462	18.954	ug/l	96
19) trans-1,2-Dichloroethene	5.806	96	42521	19.673	ug/l	90
20) Diisopropyl ether	6.689	45	142052	21.022	ug/l	94
21) 1,1-Dichloroethane	6.583	63	83594	20.498	ug/l	98
22) cis-1,2-Dichloroethene	7.494	96	48862	18.668	ug/l	93
23) tert-Butyl Alcohol	5.536	59	52931	154.426	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	133867	19.667	ug/l	95
25) Chloroform	7.971	83	77659	19.456	ug/l	98
26) Cyclohexane	8.265	56	65879	18.665	ug/l #	98
29) 1,1-Dichloropropene	8.377	75	52341	18.159	ug/l	99
30) 2-Butanone	7.494	43	186786	147.905	ug/l	97
31) 2,2-Dichloropropane	7.500	77	67667	19.889	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	65006	19.456	ug/l	99
33) Carbon Tetrachloride	8.371	117	51957	18.192	ug/l	96
34) Benzene	8.612	78	171052	18.239	ug/l #	94
35) Methacrylonitrile	7.788	41	37169	25.622	ug/l	95
36) 1,2-Dichloroethane	8.671	62	57773	21.023	ug/l	96
37) Trichloroethene	9.353	130	38479	14.792	ug/l	94
38) Methylcyclohexane	9.606	83	61684	19.288	ug/l	96
39) 1,2-Dichloropropane	9.624	63	45479	20.143	ug/l	99
40) Dibromomethane	9.712	93	30677	20.774	ug/l	97
41) Bromodichloromethane	9.894	83	63009	20.384	ug/l	99
42) Vinyl Acetate	6.618	43	619269	168.226	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087163.D
 Acq On : 25 Jun 2025 09:20
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

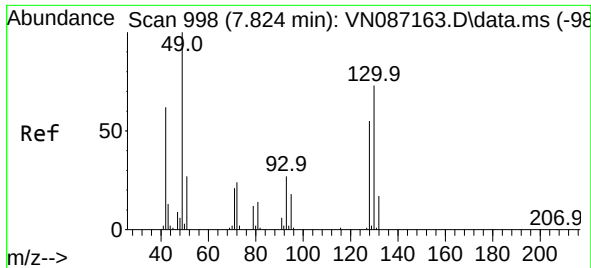
Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:35:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	73261	28.350	ug/l	99
44) Isopropyl Acetate	8.694	43	109066	24.603	ug/l	92
45) 1,4-Dioxane	9.700	88	14898	378.114	ug/l	94
46) Methyl methacrylate	9.682	41	51785	25.335	ug/l	94
47) n-amyl Acetate	12.529	43	66120m	18.579	ug/l	
48) t-1,3-Dichloropropene	10.835	75	66870	20.216	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	74233	20.403	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	43535	20.932	ug/l	97
51) Ethyl methacrylate	10.882	69	61428	18.237	ug/l	97
52) 1,3-Dichloropropane	11.165	76	74825	20.272	ug/l	99
53) Dibromochloromethane	11.359	129	44787	19.056	ug/l	99
54) 1,2-Dibromoethane	11.471	107	44953	21.145	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	189897	117.448	ug/l	99
56) Bromoform	12.576	173	30532	20.618	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	338778	124.338	ug/l	97
59) 2-Hexanone	11.206	43	199560	102.251	ug/l	99
61) Tetrachloroethene	11.106	164	33143	10.618	ug/l	93
62) Toluene	10.629	91	191888	18.349	ug/l	99
64) Chlorobenzene	11.888	112	121902	18.278	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	40342	18.412	ug/l	99
66) Ethyl Benzene	11.965	91	204111	18.045	ug/l	97
67) m/p-Xylenes	12.070	106	157576	35.500	ug/l	98
68) o-Xylene	12.394	106	74793	17.386	ug/l	99
69) Styrene	12.412	104	128666	17.953	ug/l	98
70) Isopropylbenzene	12.694	105	183132	17.899	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	70012	28.780	ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	57564m	20.191	ug/l	
73) Bromobenzene	12.982	156	44654	17.559	ug/l	89
74) n-propylbenzene	13.035	91	223685	18.457	ug/l	98
75) 2-Chlorotoluene	13.123	91	133694	17.187	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	146137	17.169	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	24271	20.803	ug/l	93
78) 4-Chlorotoluene	13.217	91	137101	17.793	ug/l	99
79) tert-butylbenzene	13.435	119	122243	16.611	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	145827	17.068	ug/l	99
81) sec-Butylbenzene	13.612	105	182391	18.192	ug/l	99
82) p-Isopropyltoluene	13.729	119	156830	18.630	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	88727	19.018	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	88343	19.028	ug/l	99
85) n-Butylbenzene	14.053	91	142647	20.240	ug/l	99
86) Hexachloroethane	14.329	117	28116	19.596	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	82984	18.439	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.711	75	15132	29.539	ug/l	94
89) 1,2,4-Trichlorobenzene	15.835	180	46967	24.937	ug/l	96
90) Hexachlorobutadiene	15.494	225	13876	17.189	ug/l	99
91) Naphthalene	15.635	128	178532	27.168	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	46967	24.937	ug/l	96

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



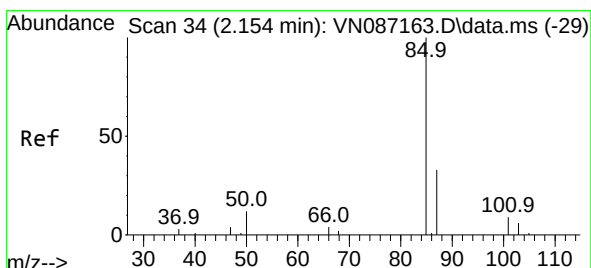
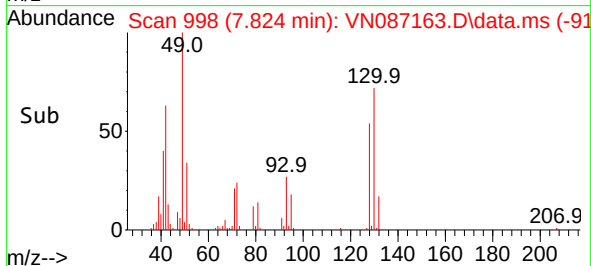
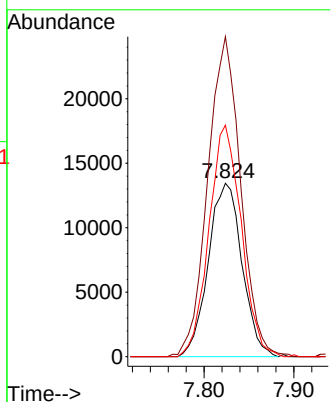
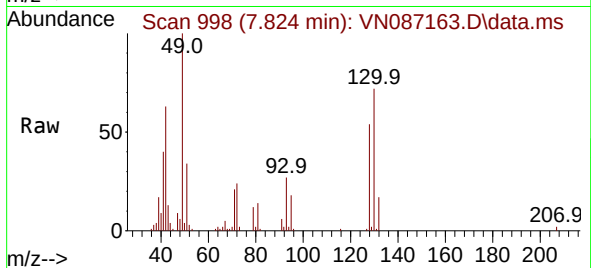
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 3502
Ion Ratio Lower Upper
128 100
49 180.2 0.0 404.5
130 128.3 0.0 322.2

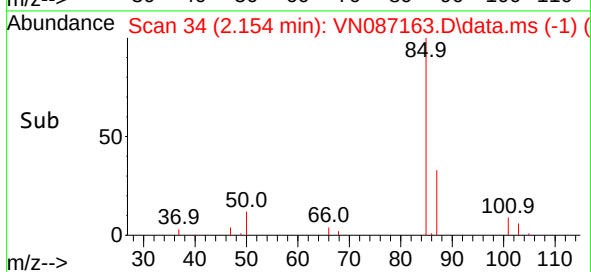
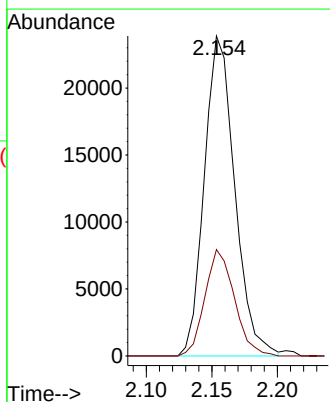
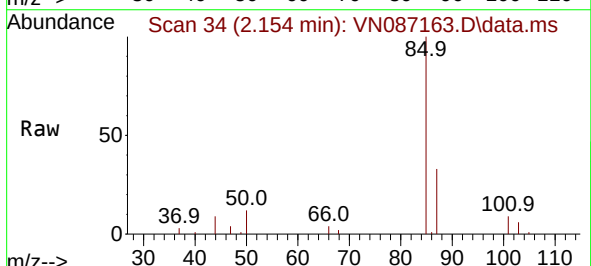
Manual Integrations
APPROVED

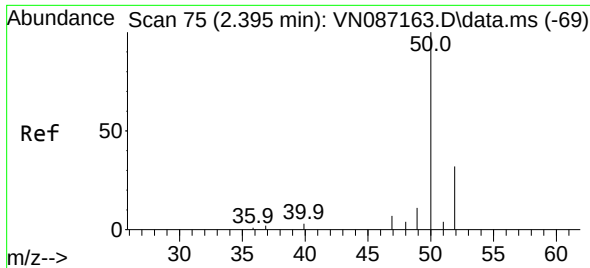
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#2
Dichlorodifluoromethane
Concen: 16.218 ug/l
RT: 2.154 min Scan# 34
Delta R.T. 0.029 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

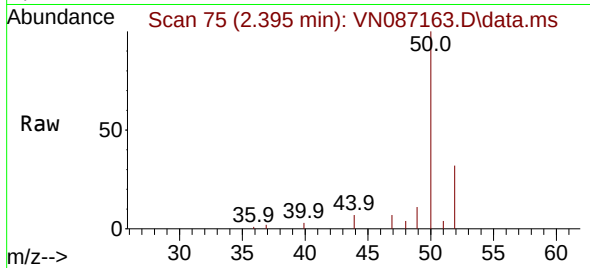
Tgt Ion: 85 Resp: 38576
Ion Ratio Lower Upper
85 100
87 33.3 15.9 47.7





#3
Chloromethane
Concen: 11.888 ug/l
RT: 2.395 min Scan# 75
Delta R.T. 0.035 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

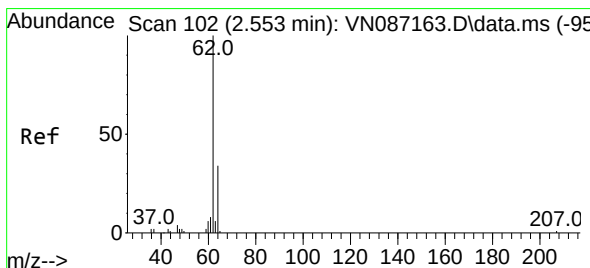
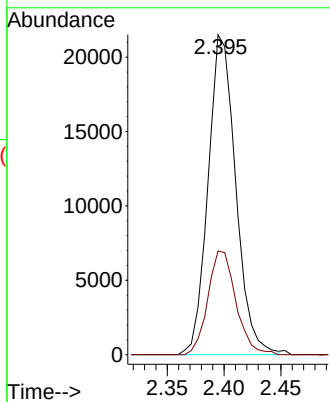
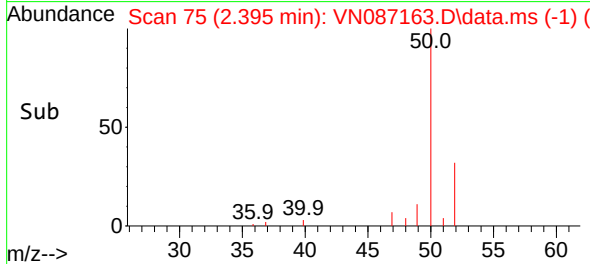
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



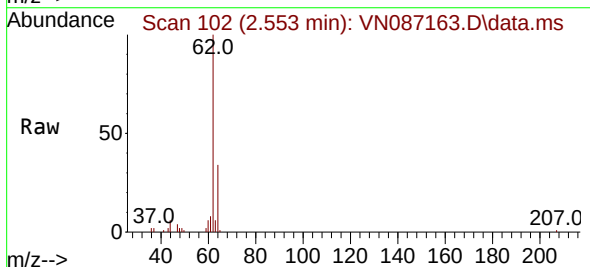
Tgt Ion: 50 Resp: 3645
Ion Ratio Lower Upper
50 100
52 32.4 26.6 40.0

Manual Integrations
APPROVED

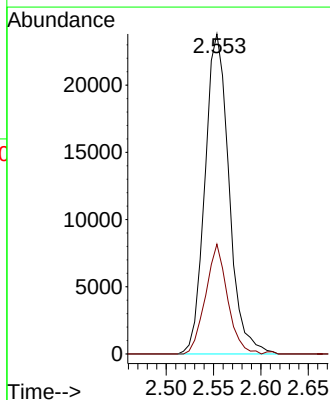
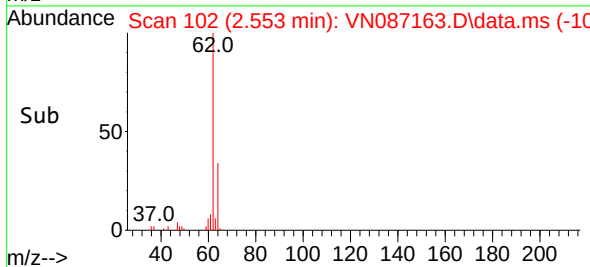
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

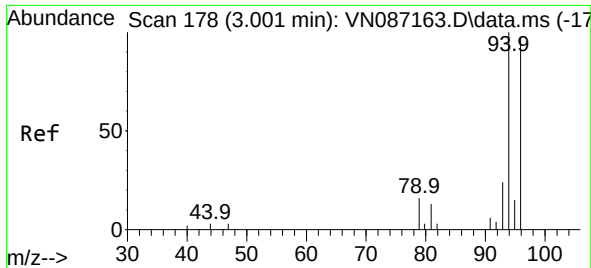


#4
Vinyl Chloride
Concen: 14.885 ug/l
RT: 2.553 min Scan# 102
Delta R.T. 0.041 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



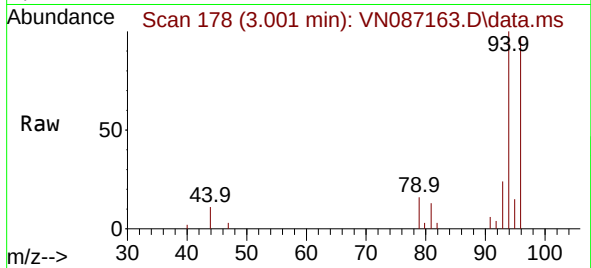
Tgt Ion: 62 Resp: 42008
Ion Ratio Lower Upper
62 100
64 34.3 24.6 36.8





#5
Bromomethane
Concen: 15.067 ug/l
RT: 3.001 min Scan# 178
Delta R.T. 0.041 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

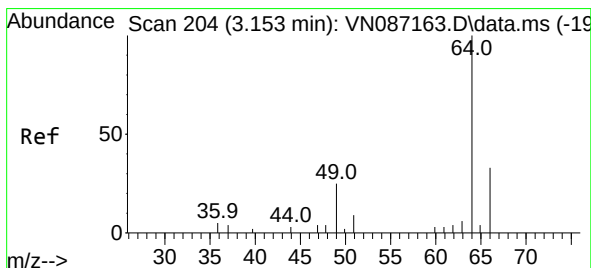
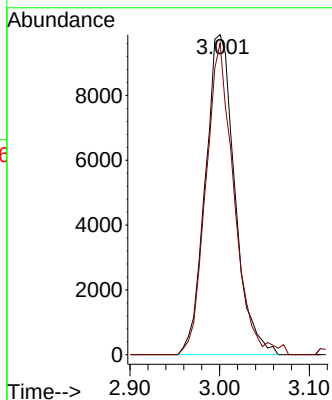
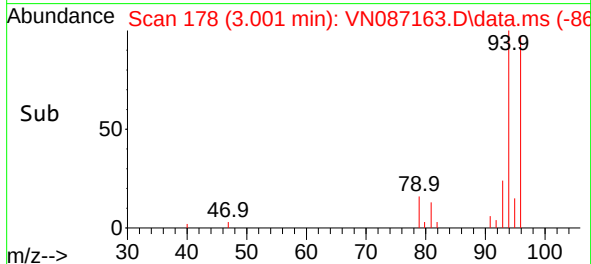
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 94 Resp: 2253
Ion Ratio Lower Upper
94 100
96 97.4 72.7 109.1

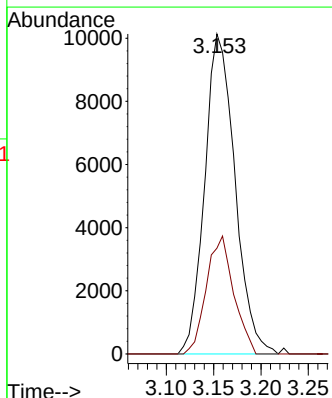
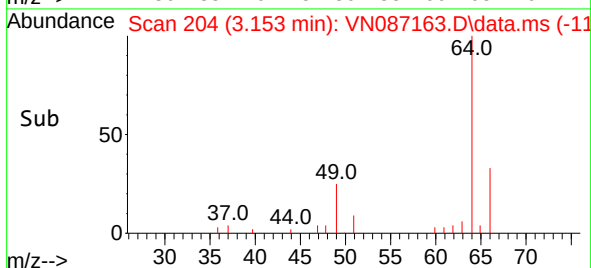
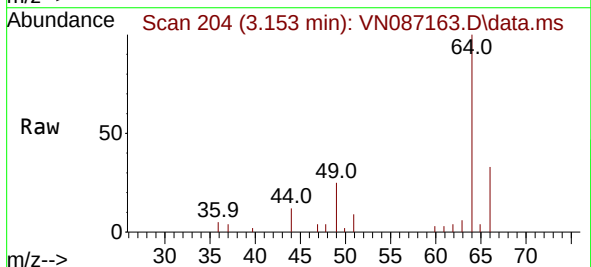
Manual Integrations
APPROVED

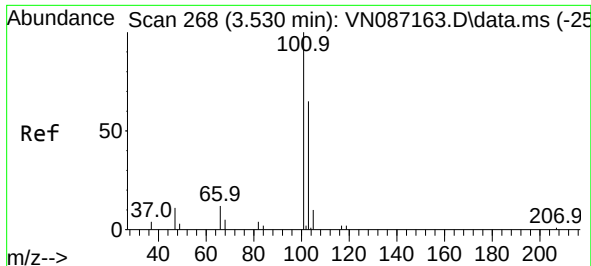
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#6
Chloroethane
Concen: 13.062 ug/l
RT: 3.153 min Scan# 204
Delta R.T. 0.029 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

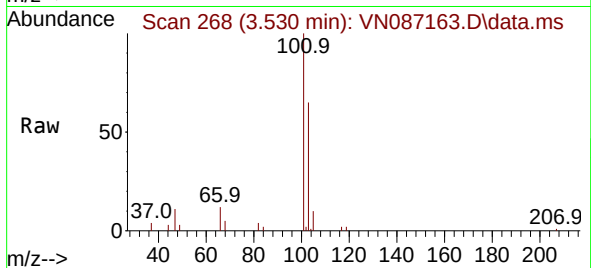
Tgt Ion: 64 Resp: 22548
Ion Ratio Lower Upper
64 100
66 33.0 27.5 41.3





#7
 Trichlorofluoromethane
 Concen: 16.400 ug/l
 RT: 3.530 min Scan# 268
 Delta R.T. 0.029 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

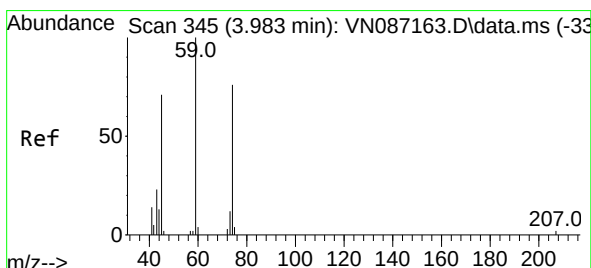
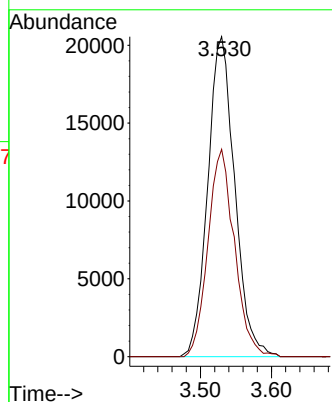
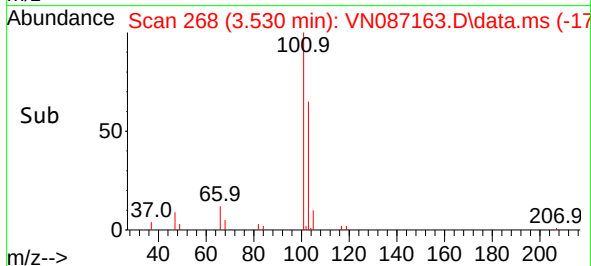
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



Tgt Ion: 101 Resp: 5421
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.0 75.0

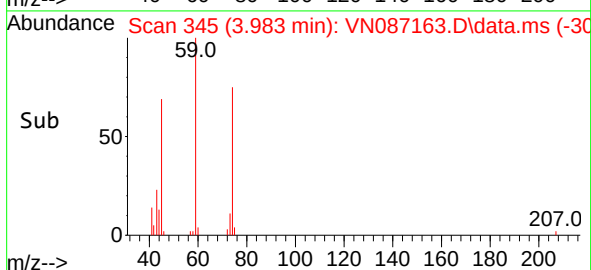
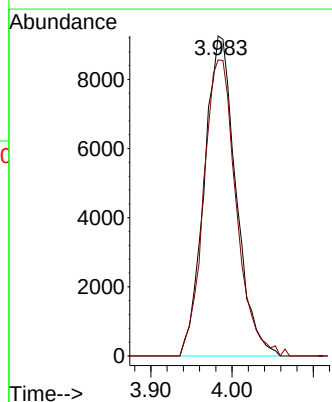
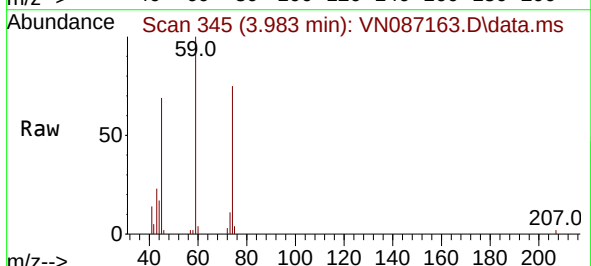
Manual Integrations
 APPROVED

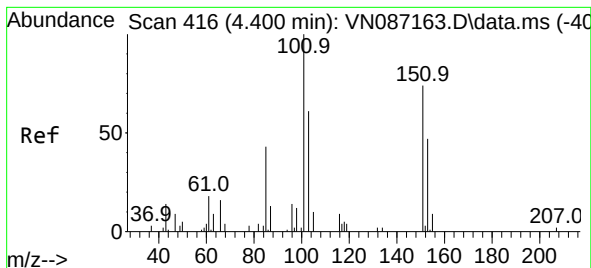
Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/26/2025



#8
 Diethyl Ether
 Concen: 18.191 ug/l
 RT: 3.983 min Scan# 345
 Delta R.T. 0.023 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Tgt Ion: 74 Resp: 25082
 Ion Ratio Lower Upper
 74 100
 45 95.0 17.9 161.5





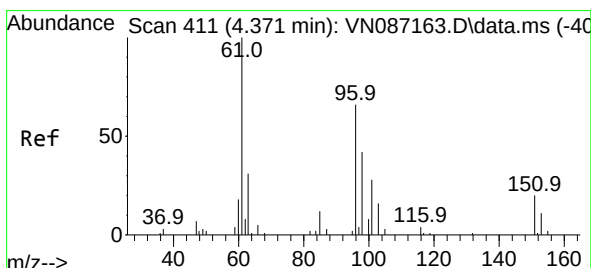
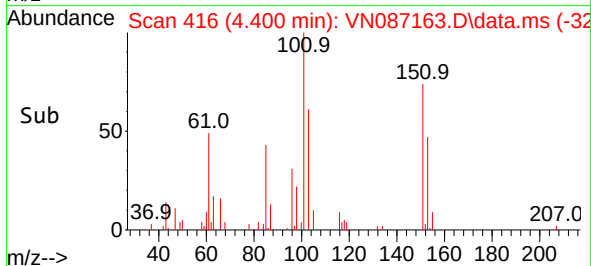
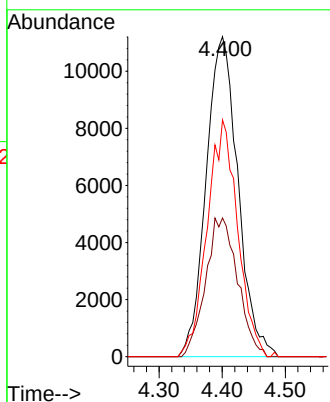
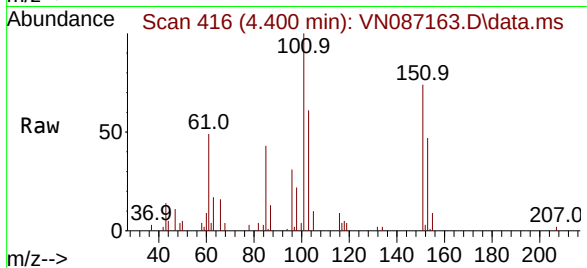
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.375 ug/l
RT: 4.400 min Scan# 416
Delta R.T. 0.035 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 39250
Ion Ratio Lower Upper
101 100
85 20.3 0.0 83.2
151 70.6 0.0 145.6

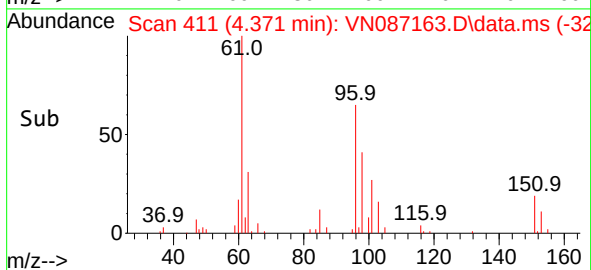
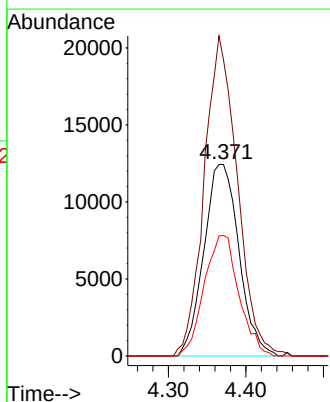
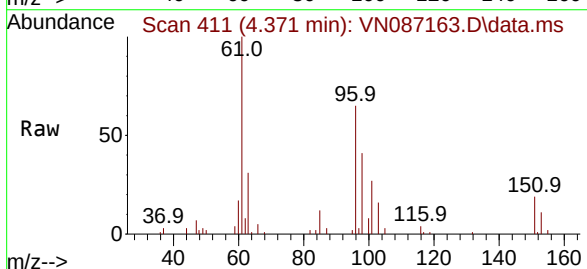
Manual Integrations
APPROVED

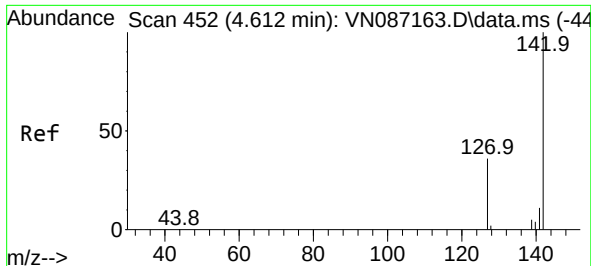
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#10
1,1-Dichloroethene
Concen: 18.952 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.035 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

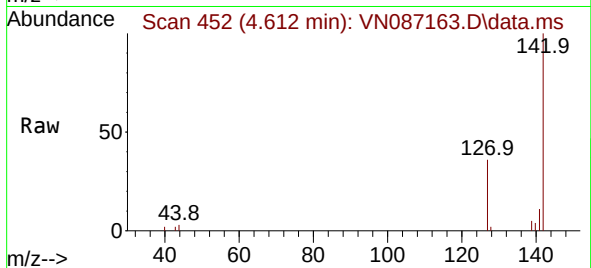
Tgt Ion: 96 Resp: 39141
Ion Ratio Lower Upper
96 100
61 152.5 121.7 182.5
98 62.9 51.9 77.9





#11
Methyl Iodide
Concen: 12.391 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.024 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

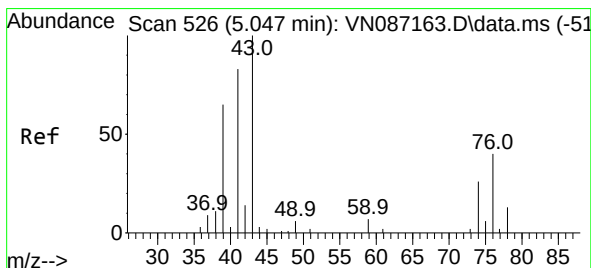
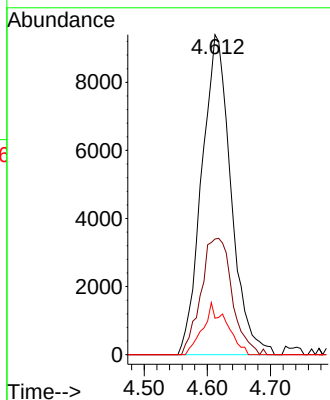
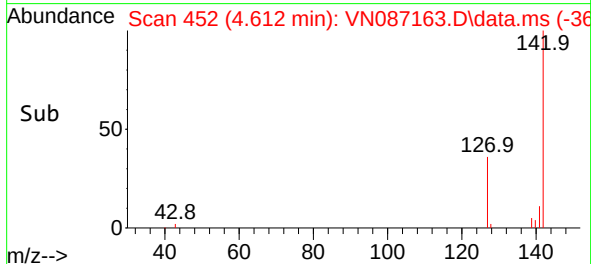
Instrument :
MSVOA_N
Client Sample Id :
VSTDICCC020



Tgt Ion:142 Resp: 30168
Ion Ratio Lower Upper
142 100
127 36.1 19.5 58.5
141 11.4 7.1 21.4

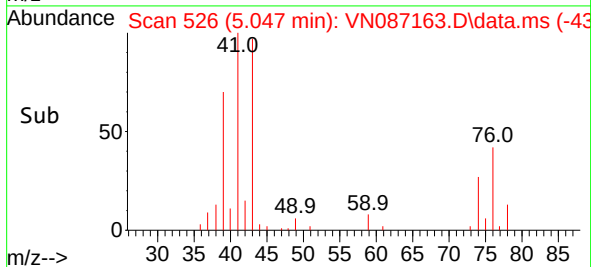
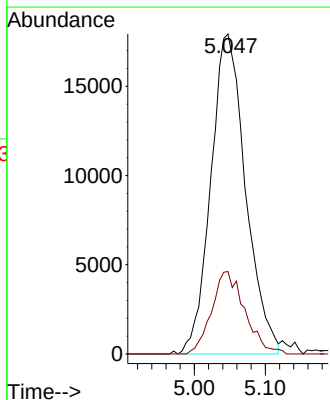
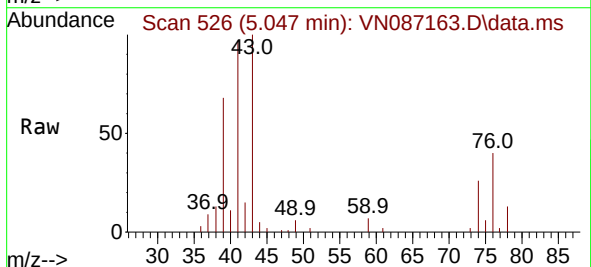
Manual Integrations
APPROVED

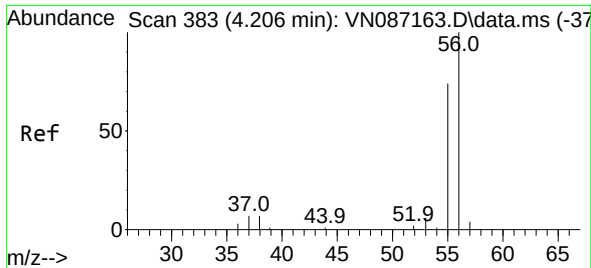
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#12
Methyl Acetate
Concen: 26.632 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.024 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

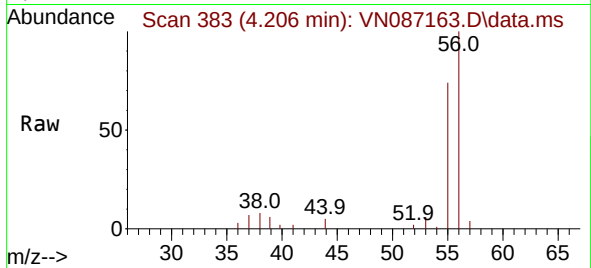
Tgt Ion: 43 Resp: 61084
Ion Ratio Lower Upper
43 100
74 25.4 22.7 34.1





#13
Acrolein
Concen: 176.912 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.023 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

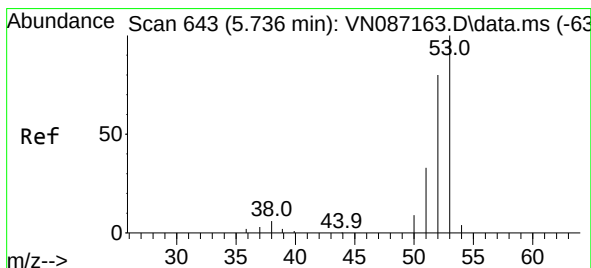
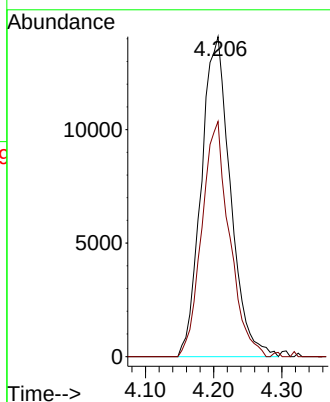
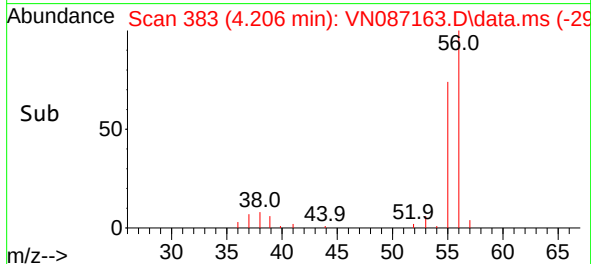
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



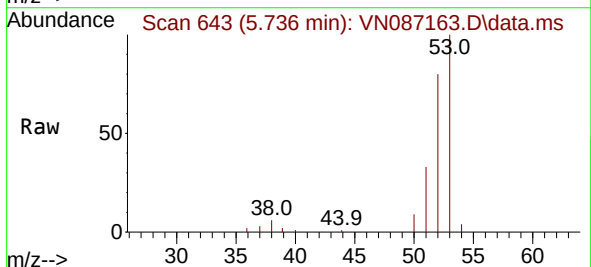
Tgt Ion: 56 Resp: 41919
Ion Ratio Lower Upper
56 100
55 69.6 55.9 83.9

Manual Integrations
APPROVED

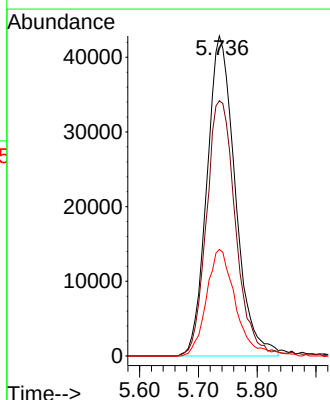
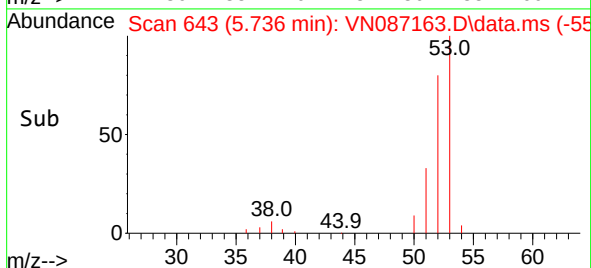
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

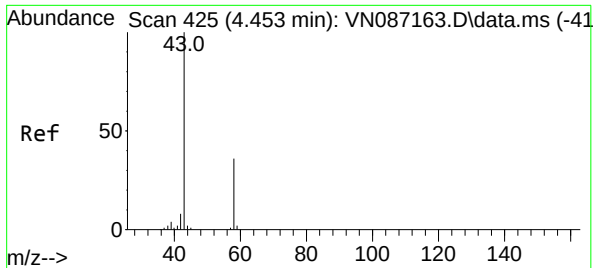


#14
Acrylonitrile
Concen: 134.221 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



Tgt Ion: 53 Resp: 143262
Ion Ratio Lower Upper
53 100
52 81.0 40.0 119.9
51 33.8 17.5 52.6





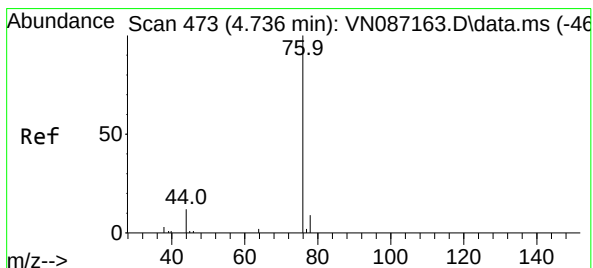
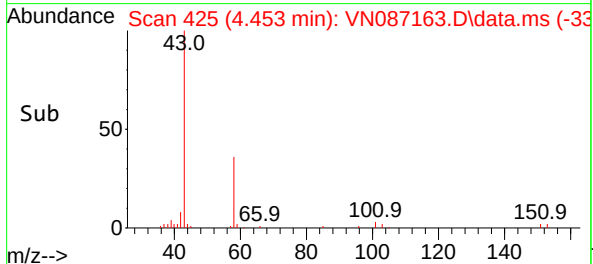
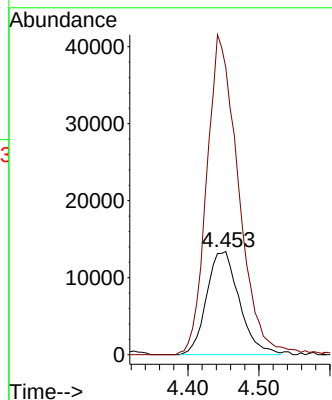
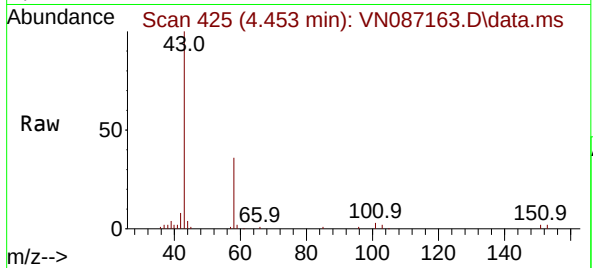
#15
Acetone
Concen: 158.384 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.035 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 58 Resp: 4280
Ion Ratio Lower Upper
58 100
43 280.4 207.7 311.5

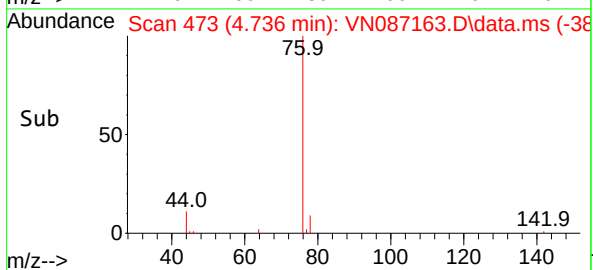
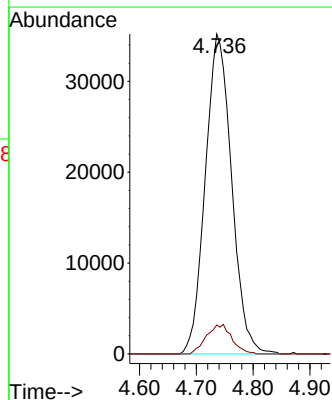
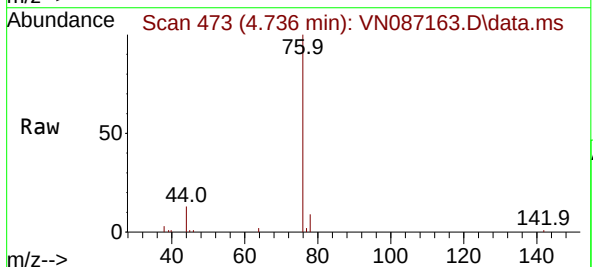
Manual Integrations
APPROVED

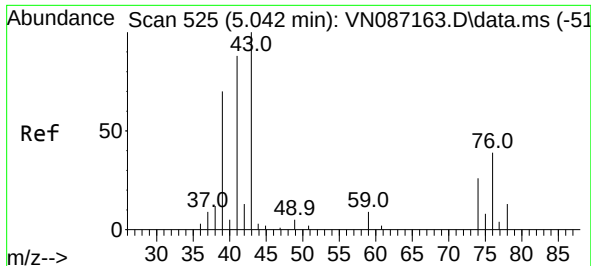
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#16
Carbon Disulfide
Concen: 18.771 ug/l
RT: 4.736 min Scan# 473
Delta R.T. 0.024 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

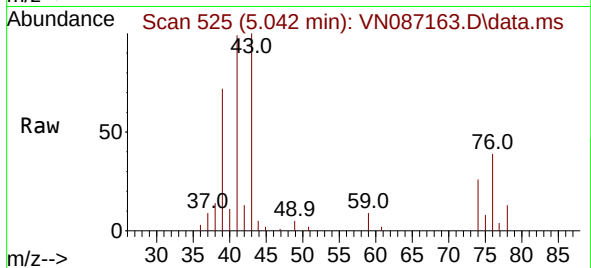
Tgt Ion: 76 Resp: 113169
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8





#17
 Allyl chloride
 Concen: 20.995 ug/l
 RT: 5.042 min Scan# 51
 Delta R.T. 0.018 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

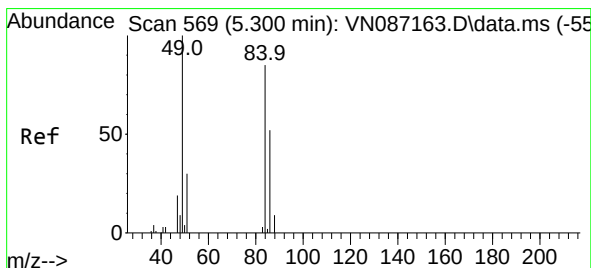
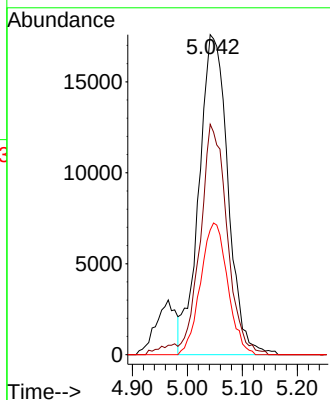
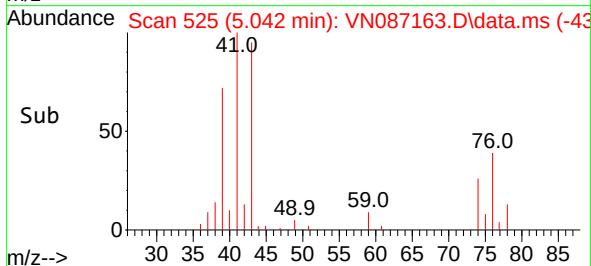
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



Tgt Ion: 41 Resp: 64418
 Ion Ratio Lower Upper
 41 100
 39 72.0 31.6 94.8
 76 39.0 20.1 60.2

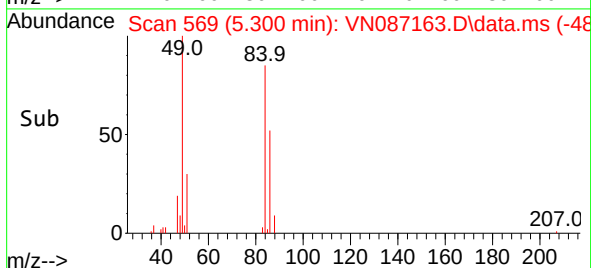
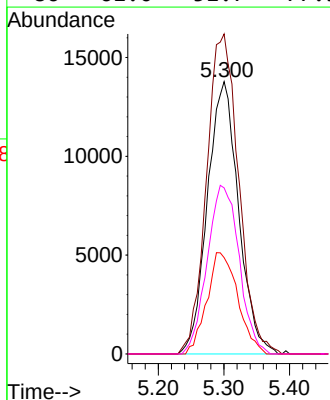
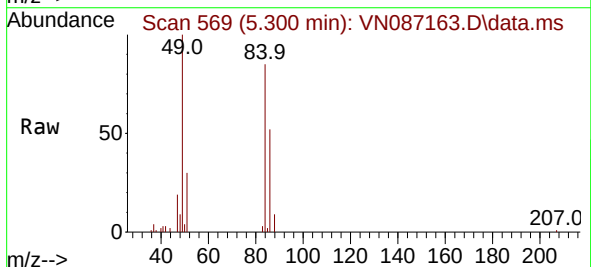
Manual Integrations
 APPROVED

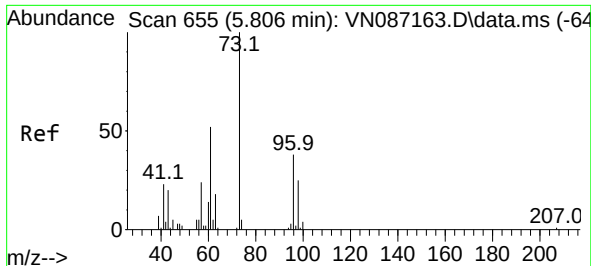
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#18
 Methylene Chloride
 Concen: 18.954 ug/l
 RT: 5.300 min Scan# 569
 Delta R.T. 0.024 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

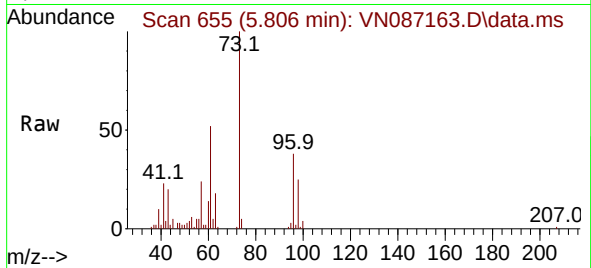
Tgt Ion: 84 Resp: 45462
 Ion Ratio Lower Upper
 84 100
 49 117.5 89.9 134.9
 51 35.4 29.6 44.4
 86 61.0 51.7 77.5





#19
trans-1,2-Dichloroethene
Concen: 19.673 ug/l
RT: 5.806 min Scan# 61
Delta R.T. 0.023 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

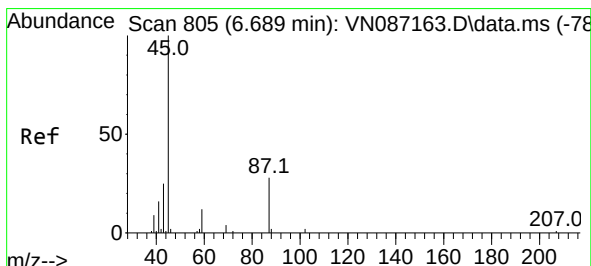
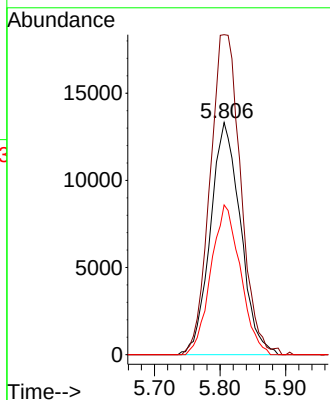
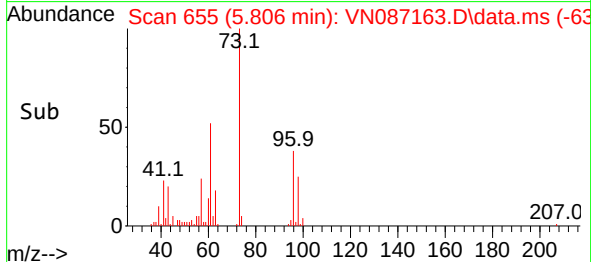
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 96 Resp: 4252
Ion Ratio Lower Upper
96 100
61 137.9 98.9 148.3
98 64.5 49.0 73.4

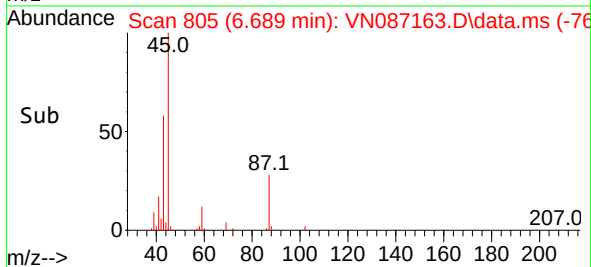
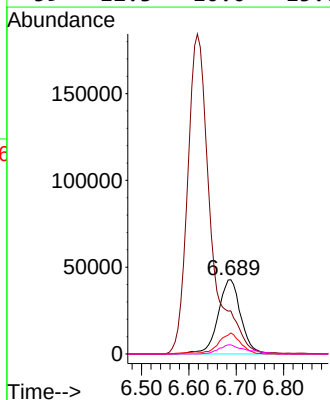
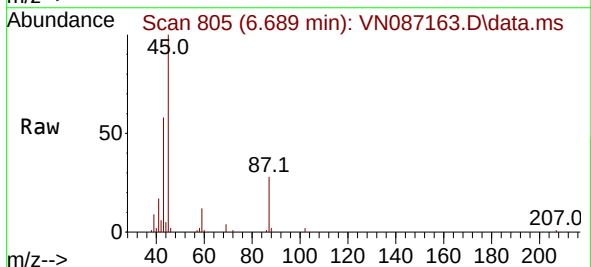
Manual Integrations
APPROVED

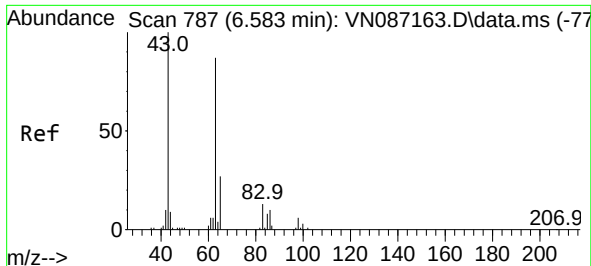
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#20
Diisopropyl ether
Concen: 21.022 ug/l
RT: 6.689 min Scan# 805
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion: 45 Resp: 142052
Ion Ratio Lower Upper
45 100
43 56.6 40.3 60.5
87 28.2 24.1 36.1
59 12.3 10.0 15.0





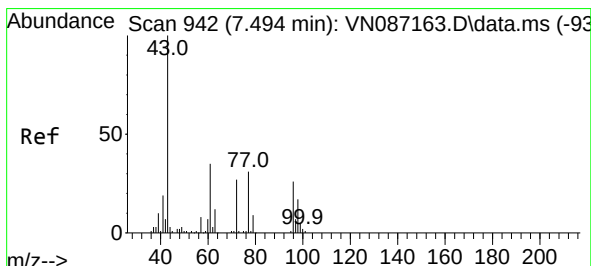
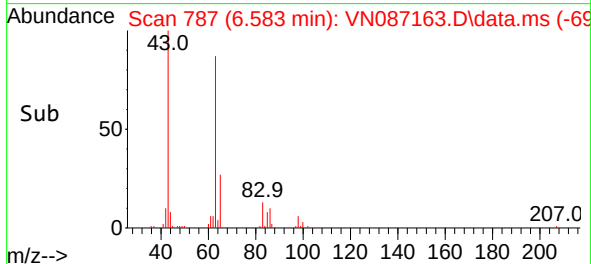
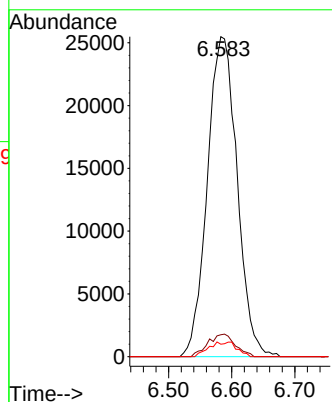
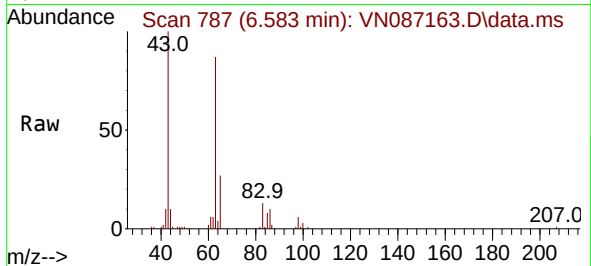
#21
1,1-Dichloroethane
Concen: 20.498 ug/l
RT: 6.583 min Scan# 787
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 83594
Ion Ratio Lower Upper
63 100
98 6.9 3.8 11.2
100 3.9 2.3 6.8

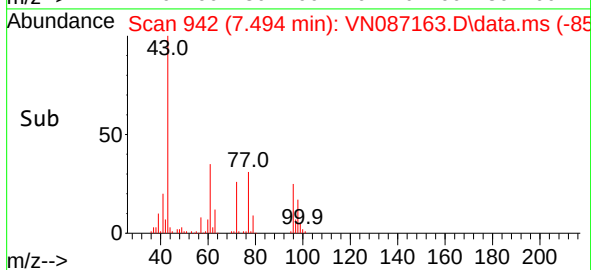
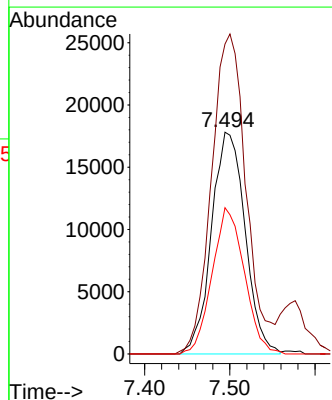
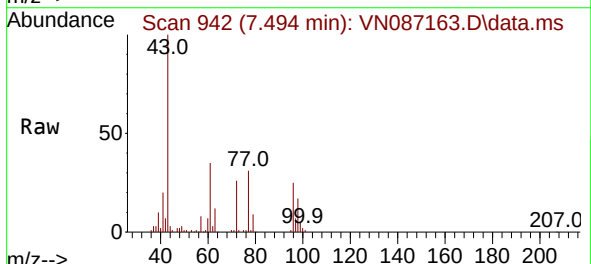
Manual Integrations
APPROVED

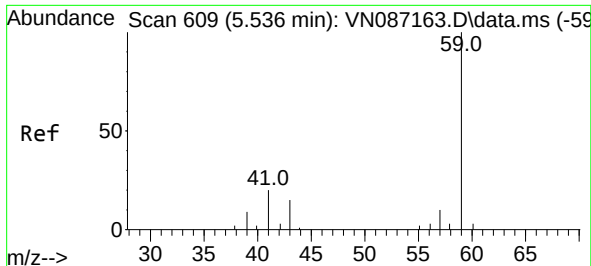
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#22
cis-1,2-Dichloroethene
Concen: 18.668 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

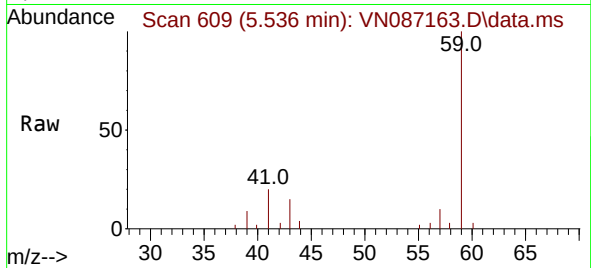
Tgt Ion: 96 Resp: 48862
Ion Ratio Lower Upper
96 100
61 149.0 110.7 166.1
98 63.2 51.8 77.8





#23
tert-Butyl Alcohol
Concen: 154.426 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

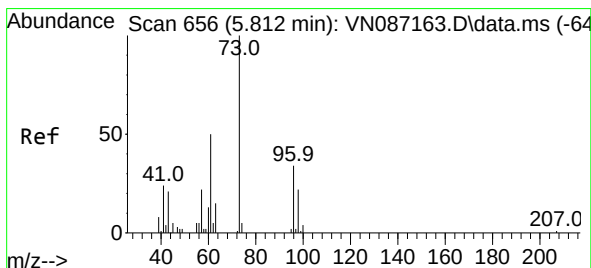
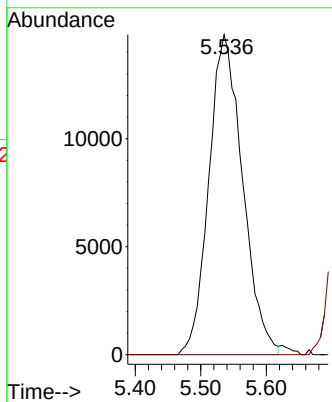
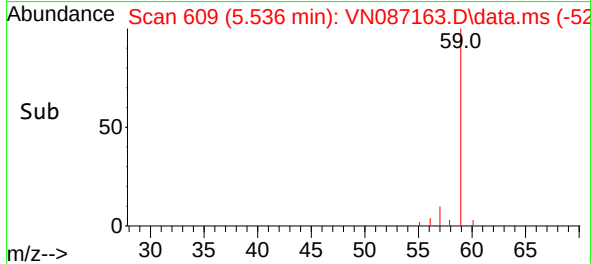
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



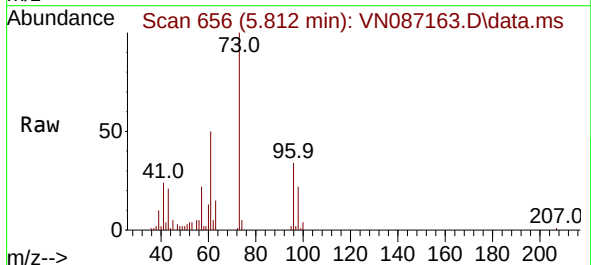
Tgt Ion: 59 Resp: 5293
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

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APPROVED

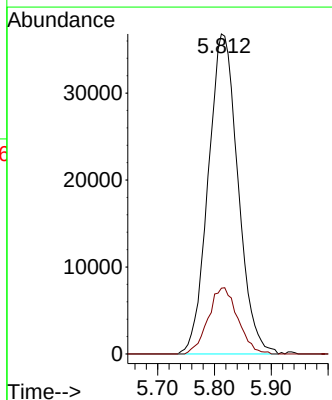
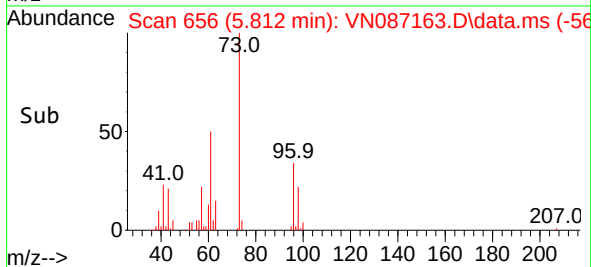
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

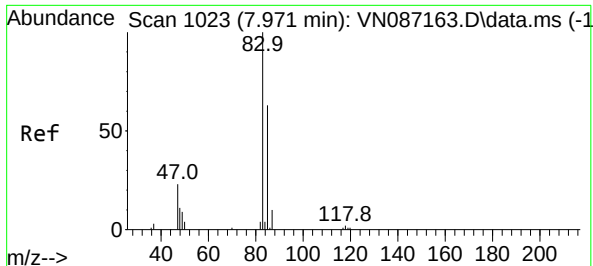


#24
Methyl tert-Butyl Ether
Concen: 19.667 ug/l
RT: 5.812 min Scan# 656
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



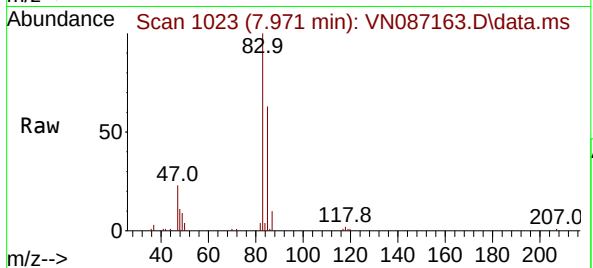
Tgt Ion: 73 Resp: 133867
Ion Ratio Lower Upper
73 100
43 20.5 14.6 22.0





#25
Chloroform
Concen: 19.456 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

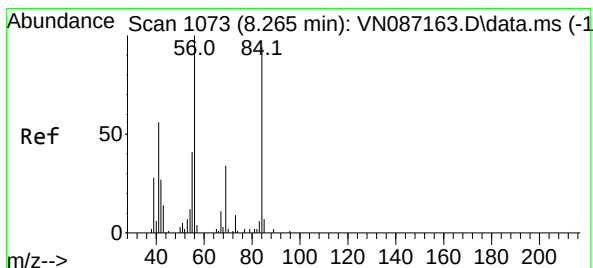
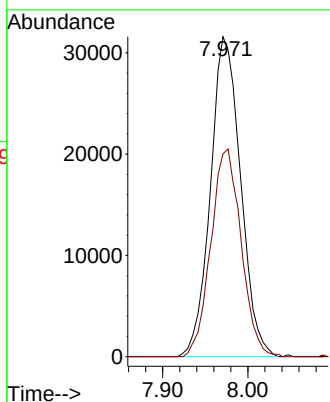
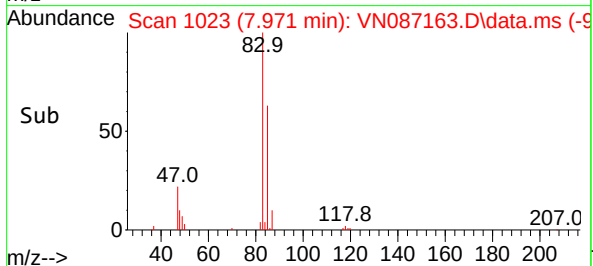
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



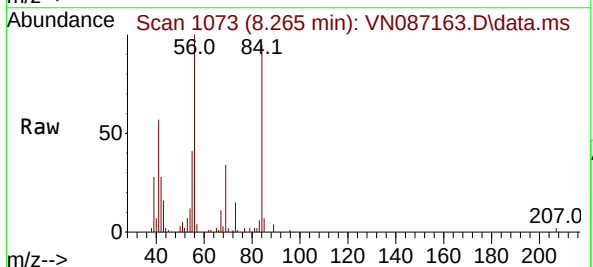
Tgt Ion: 83 Resp: 77659
Ion Ratio Lower Upper
83 100
85 63.4 51.8 77.8

Manual Integrations
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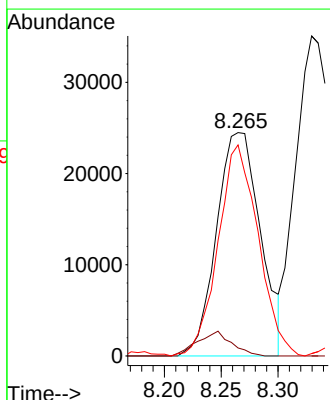
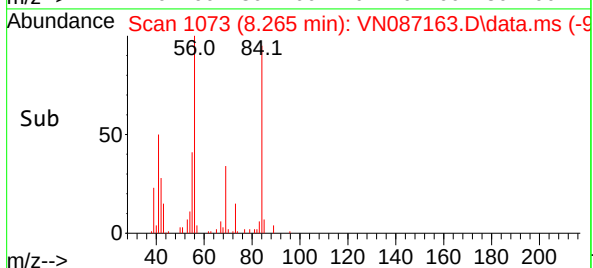
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

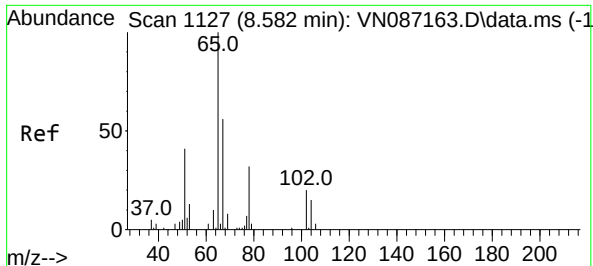


#26
Cyclohexane
Concen: 18.665 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



Tgt Ion: 56 Resp: 65879
Ion Ratio Lower Upper
56 100
89 8.6 0.0 0.0#
84 86.4 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 33.600 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 65 Resp: 80849

Ion Ratio Lower Upper

65 100

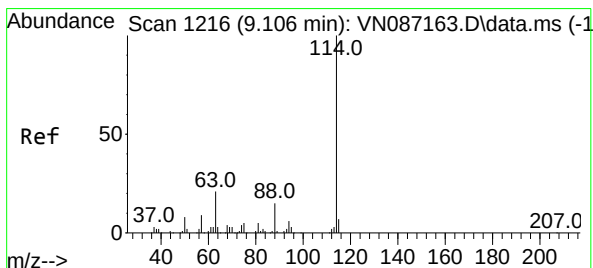
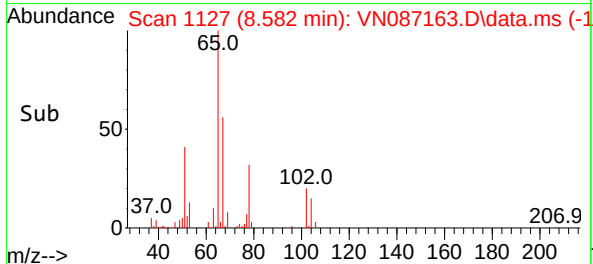
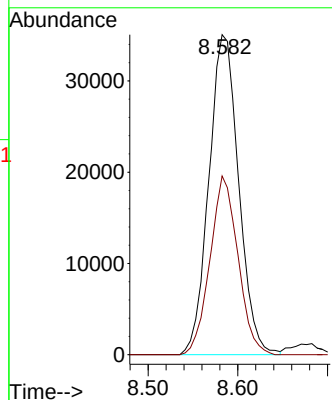
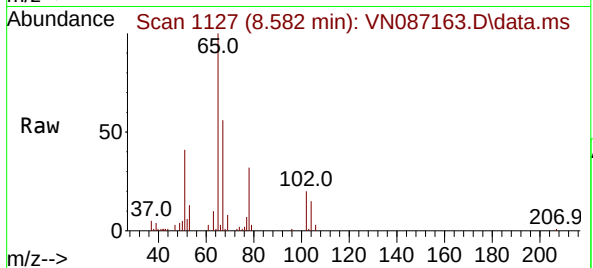
67 52.4 44.6 67.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

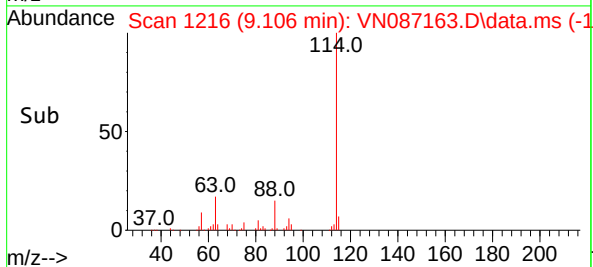
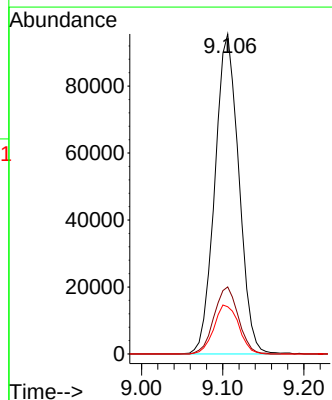
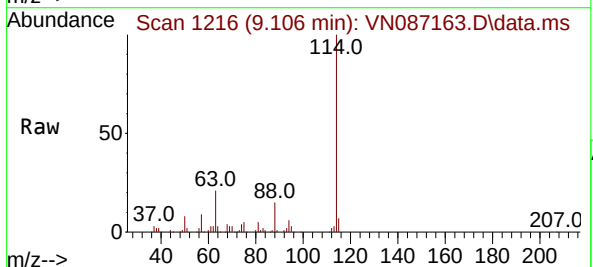
Tgt Ion:114 Resp: 196036

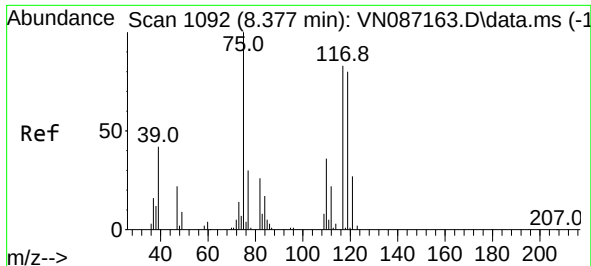
Ion Ratio Lower Upper

114 100

63 21.2 15.8 23.8

88 15.8 12.9 19.3





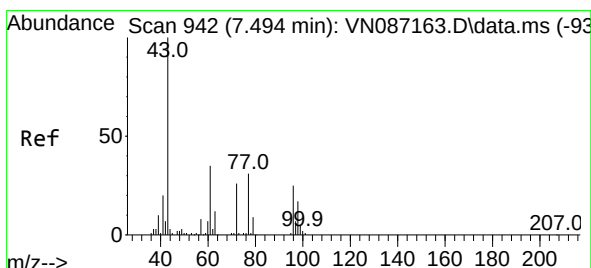
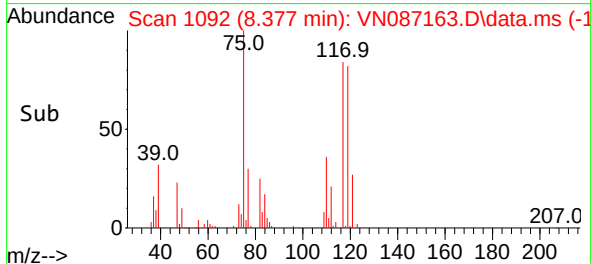
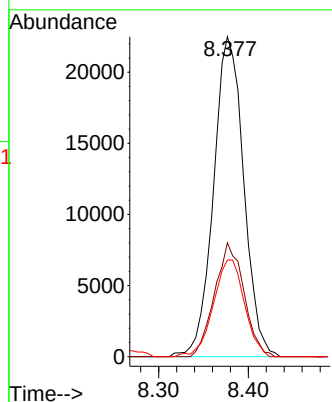
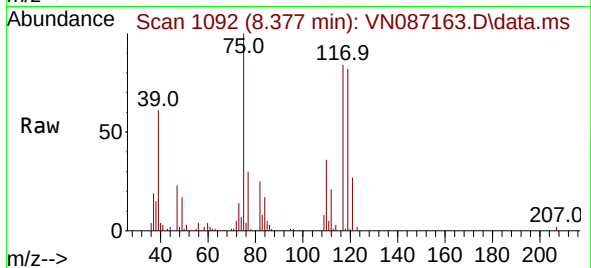
#29
1,1-Dichloropropene
Concen: 18.159 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 75 Resp: 5234
Ion Ratio Lower Upper
75 100
110 34.6 0.0 71.0
77 30.9 0.0 62.4

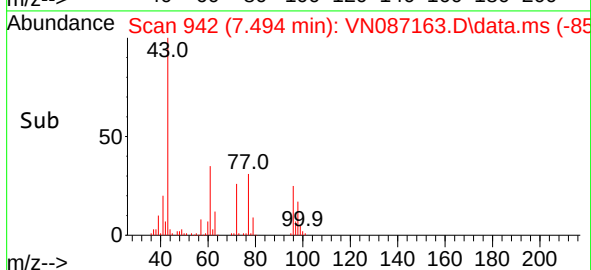
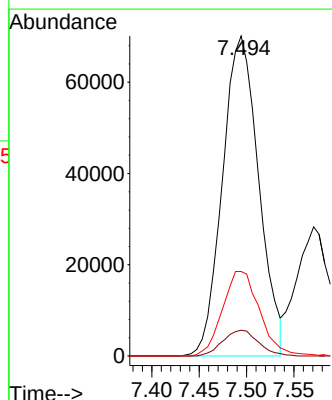
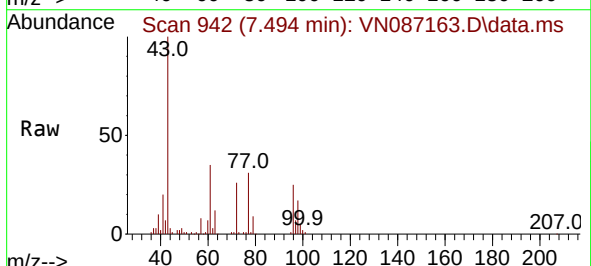
Manual Integrations
APPROVED

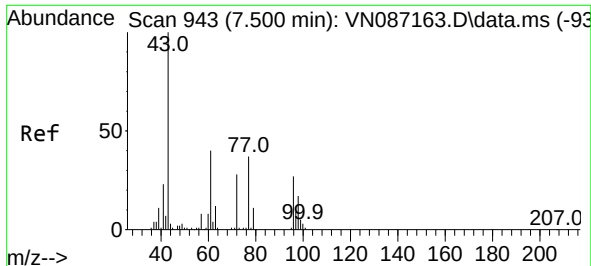
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#30
2-Butanone
Concen: 147.905 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion: 43 Resp: 186786
Ion Ratio Lower Upper
43 100
57 7.9 6.8 10.2
72 27.2 23.4 35.0





#31

2,2-Dichloropropane

Concen: 19.889 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.018 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 77 Resp: 6766

Ion Ratio Lower Upper

77 100

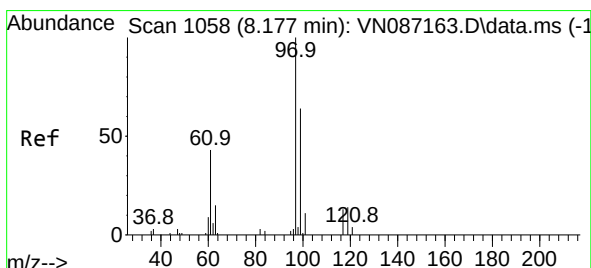
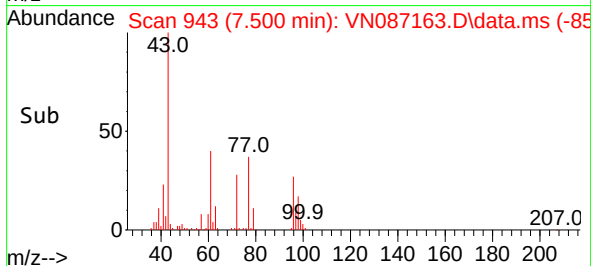
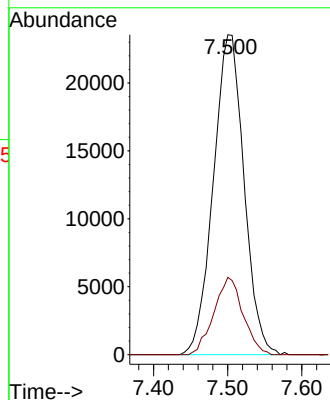
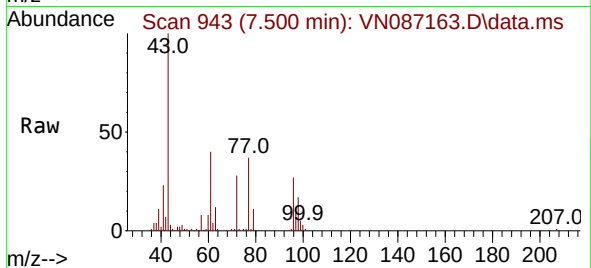
97 23.0 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#32

1,1,1-Trichloroethane

Concen: 19.456 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.012 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

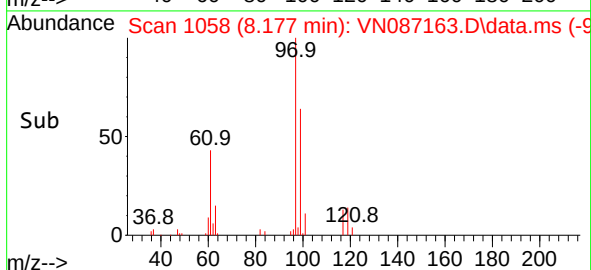
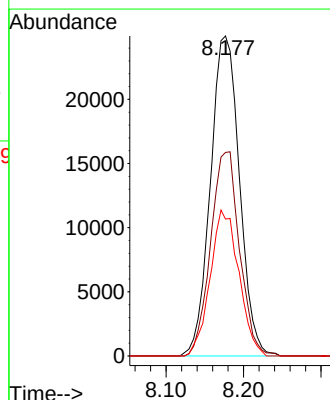
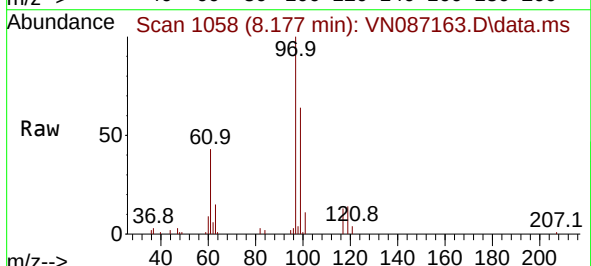
Tgt Ion: 97 Resp: 65006

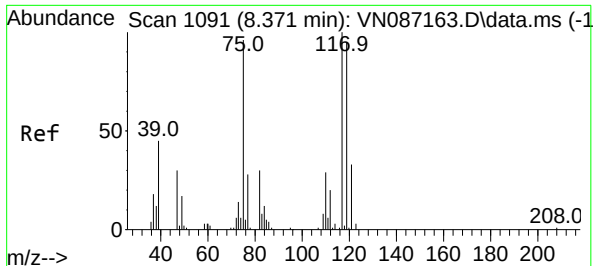
Ion Ratio Lower Upper

97 100

99 63.5 51.7 77.5

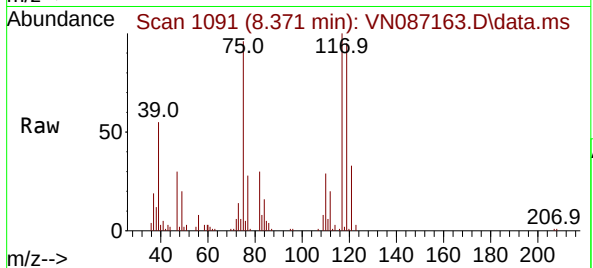
61 45.1 35.4 53.2





#33
Carbon Tetrachloride
Concen: 18.192 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

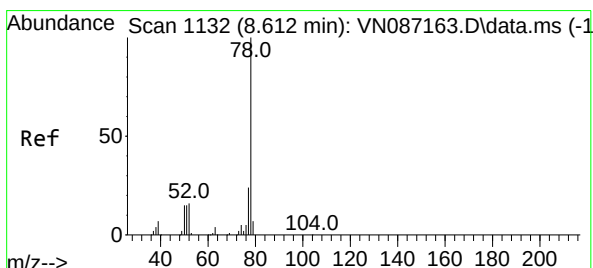
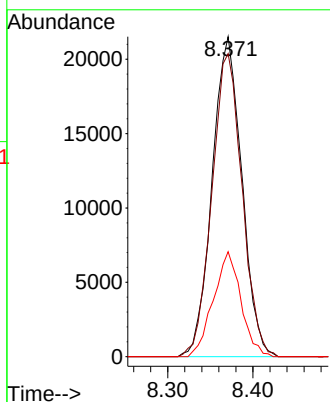
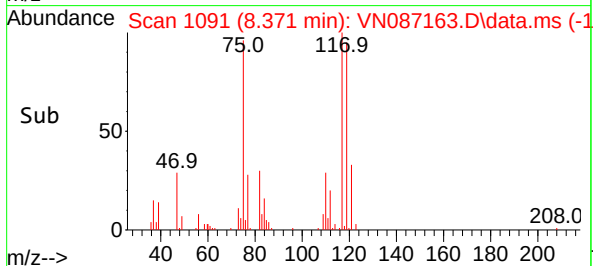
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 117 Resp: 5195
Ion Ratio Lower Upper
117 100
119 94.7 79.2 118.8
121 32.8 25.6 38.4

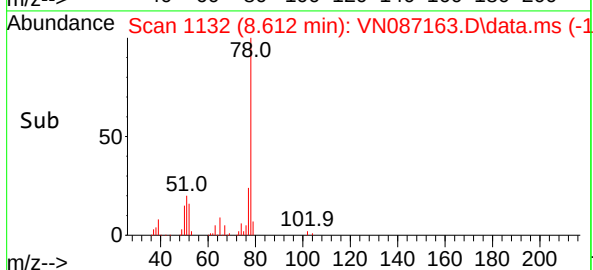
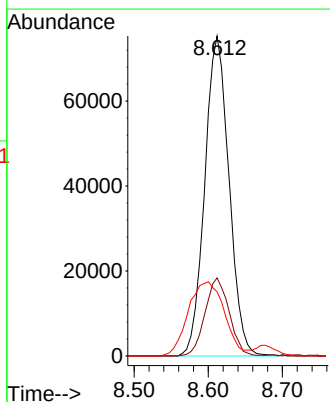
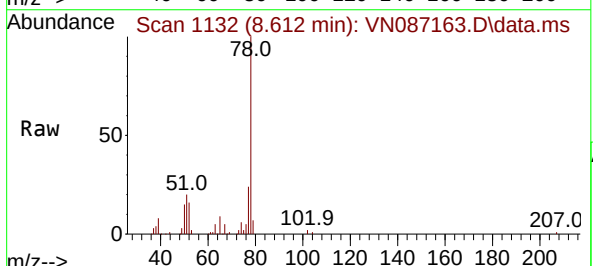
Manual Integrations
APPROVED

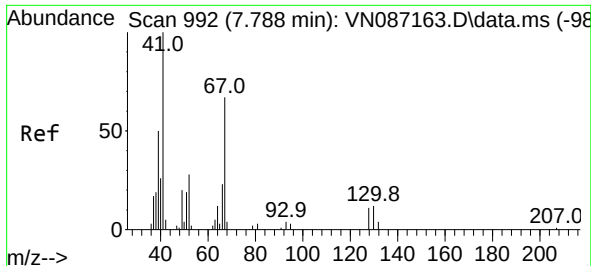
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#34
Benzene
Concen: 18.239 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

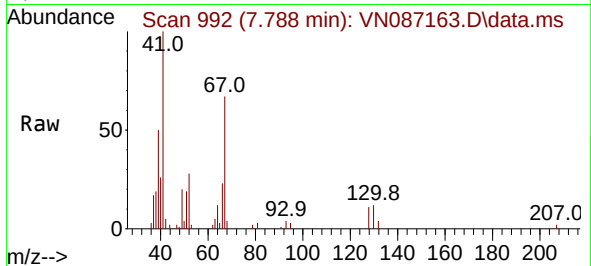
Tgt Ion: 78 Resp: 171052
Ion Ratio Lower Upper
78 100
77 24.4 18.2 27.2
51 18.5 11.9 17.9#





#35
Methacrylonitrile
Concen: 25.622 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

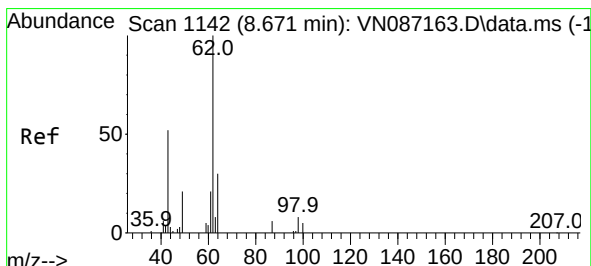
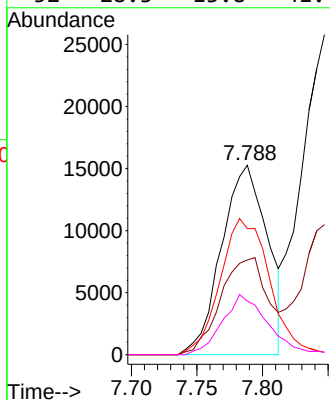
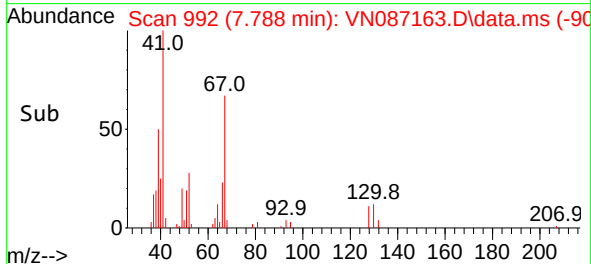
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 41 Resp: 37169
Ion Ratio Lower Upper
41 100
39 48.8 23.2 69.6
67 66.5 36.5 109.7
52 28.3 13.8 41.4

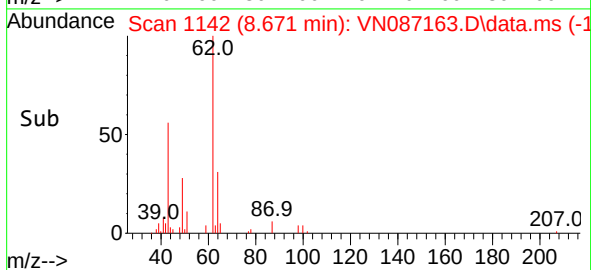
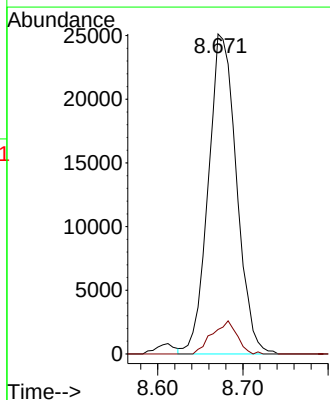
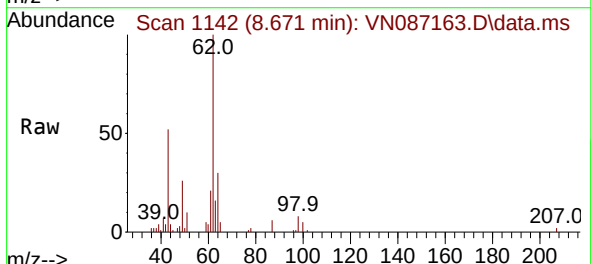
Manual Integrations
APPROVED

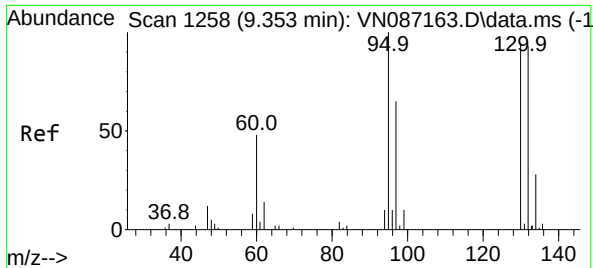
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#36
1,2-Dichloroethane
Concen: 21.023 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion: 62 Resp: 57773
Ion Ratio Lower Upper
62 100
98 9.0 8.5 12.7





#37

Trichloroethene

Concen: 14.792 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:130 Resp: 38479

Ion Ratio Lower Upper

130 100

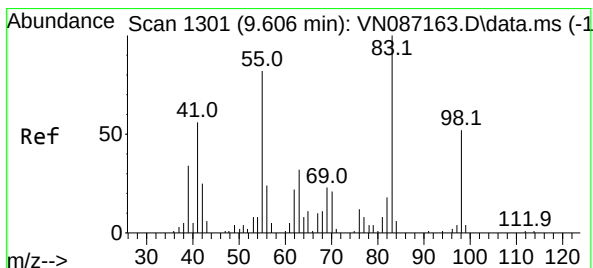
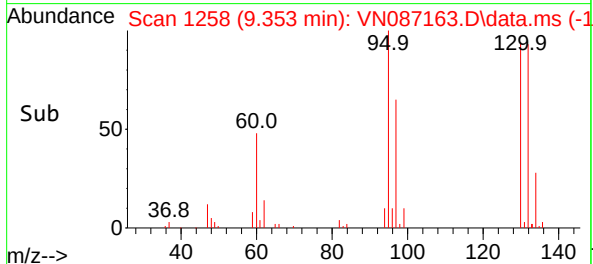
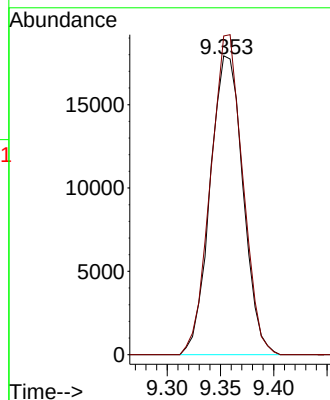
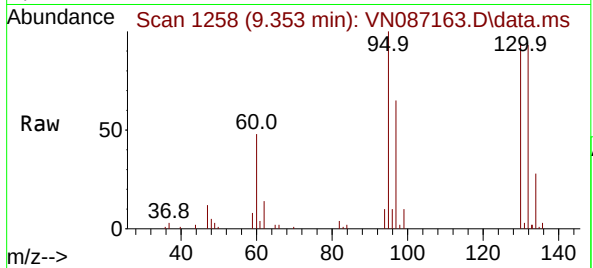
95 106.6 80.3 120.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#38

Methylcyclohexane

Concen: 19.288 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.006 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

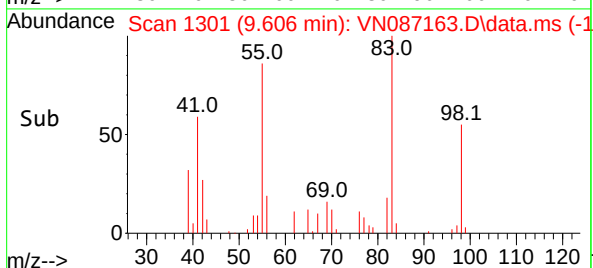
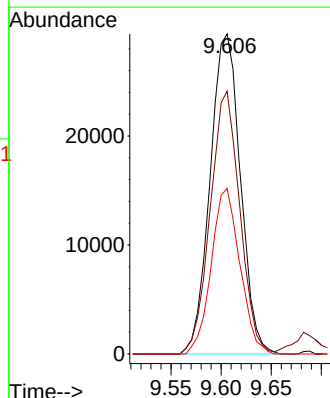
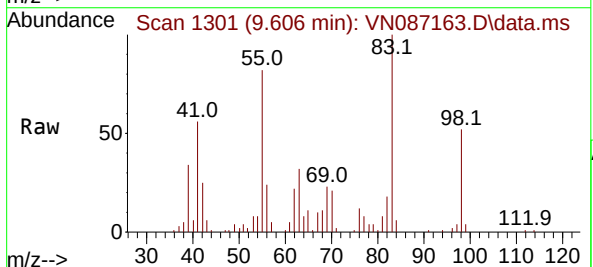
Tgt Ion: 83 Resp: 61684

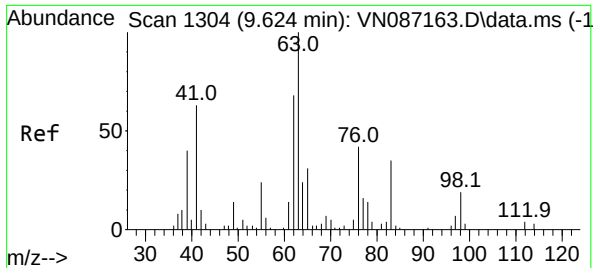
Ion Ratio Lower Upper

83 100

55 80.1 37.4 112.1

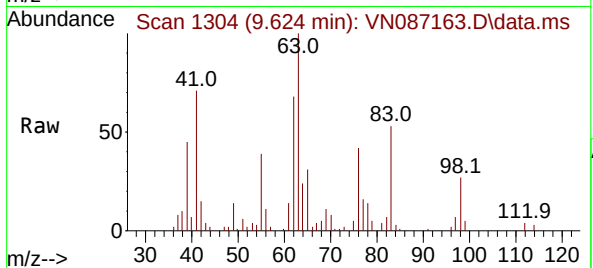
98 48.8 24.6 73.6





#39
1,2-Dichloropropane
Concen: 20.143 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

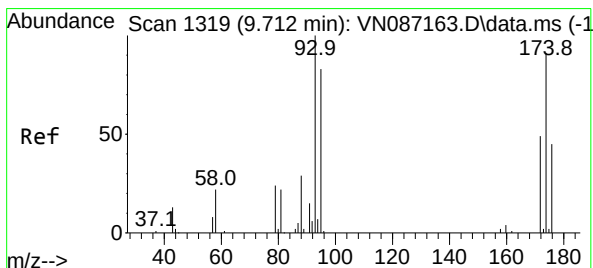
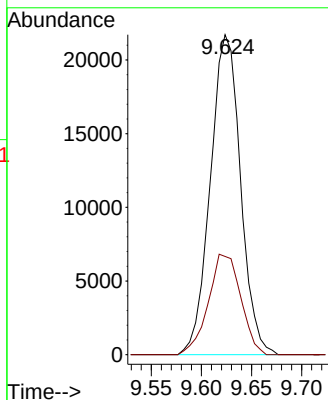
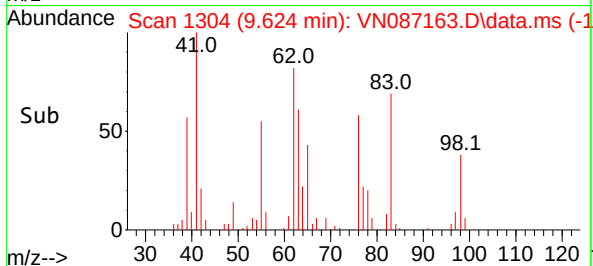
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



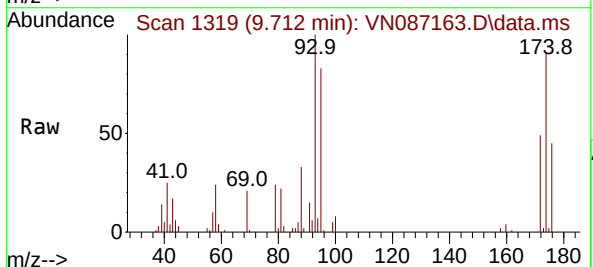
Tgt Ion: 63 Resp: 45479
Ion Ratio Lower Upper
63 100
65 30.7 24.2 36.4

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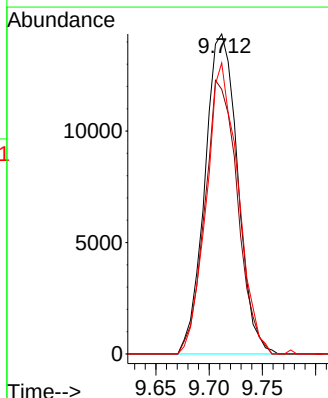
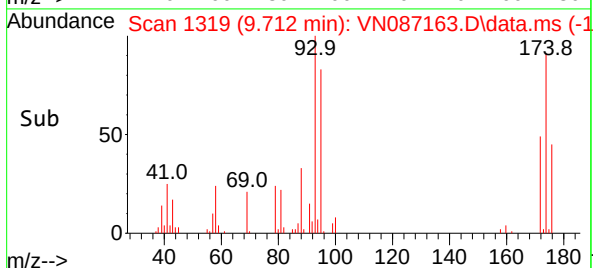
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

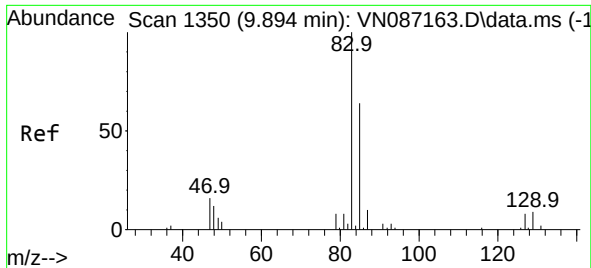


#40
Dibromomethane
Concen: 20.774 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



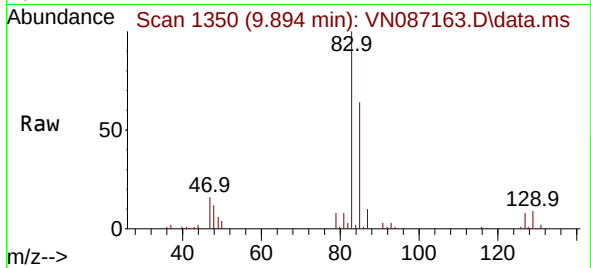
Tgt Ion: 93 Resp: 30677
Ion Ratio Lower Upper
93 100
95 85.4 0.0 166.4
174 88.3 0.0 181.8





#41
Bromodichloromethane
Concen: 20.384 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

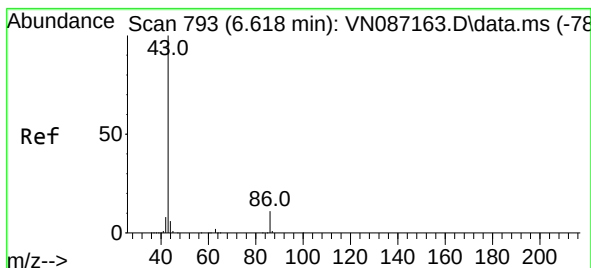
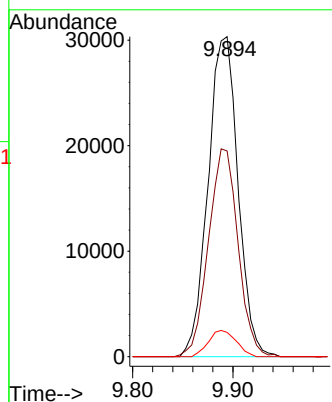
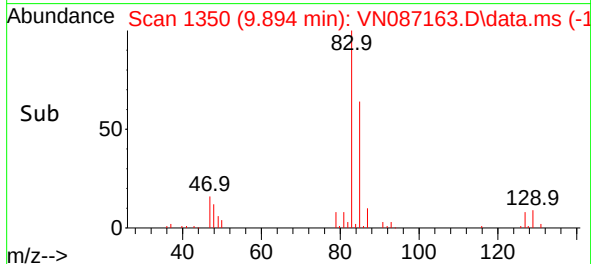
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 83 Resp: 63009
Ion Ratio Lower Upper
83 100
85 64.3 51.8 77.8
127 7.6 6.8 10.2

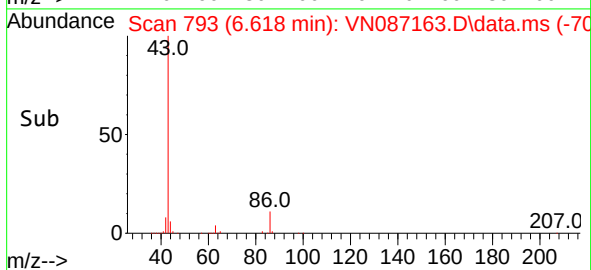
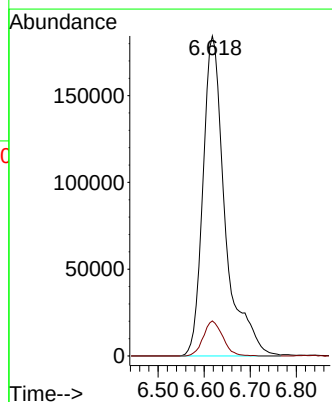
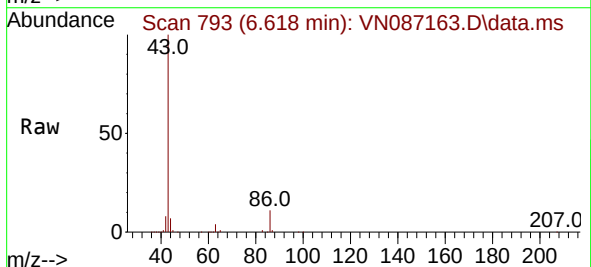
Manual Integrations
APPROVED

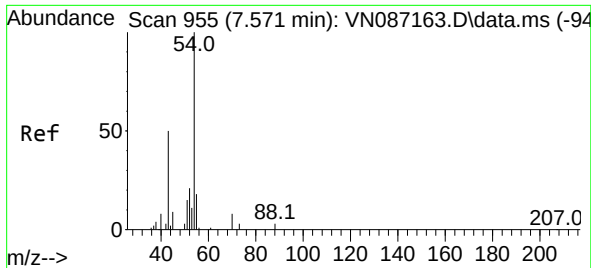
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#42
Vinyl Acetate
Concen: 168.226 ug/l
RT: 6.618 min Scan# 793
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

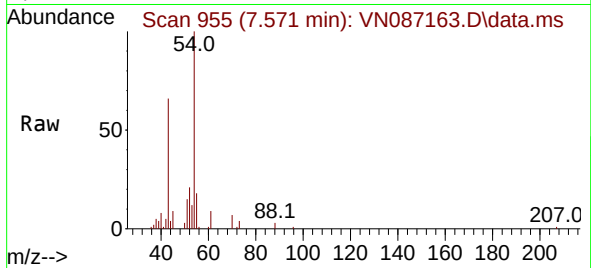
Tgt Ion: 43 Resp: 619269
Ion Ratio Lower Upper
43 100
86 9.6 9.5 14.3





#43
Ethyl Acetate
Concen: 28.350 ug/l
RT: 7.571 min Scan# 911
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

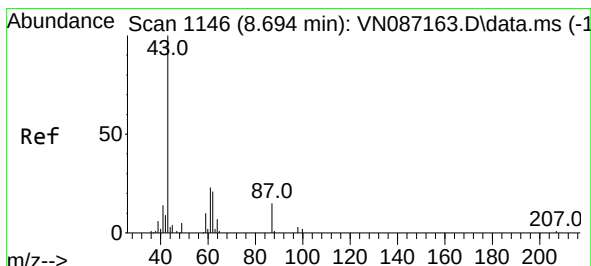
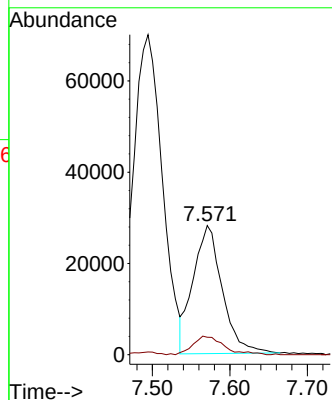
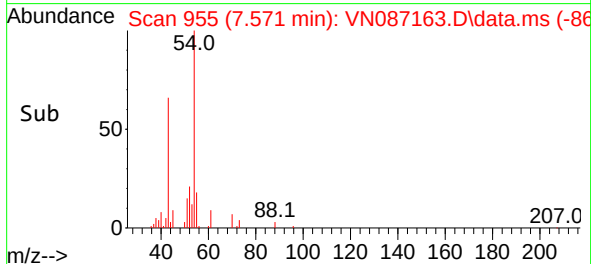
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



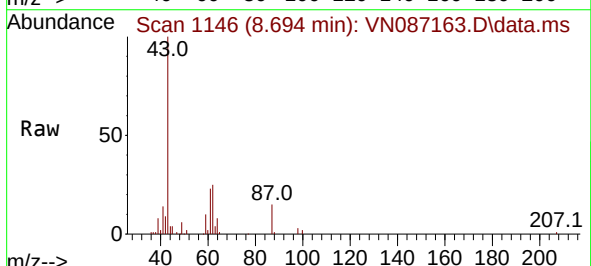
Tgt Ion: 43 Resp: 7326
Ion Ratio Lower Upper
43 100
45 14.4 11.1 16.7

Manual Integrations
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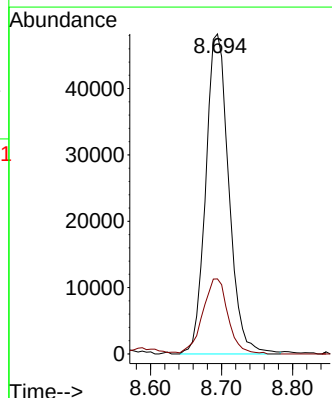
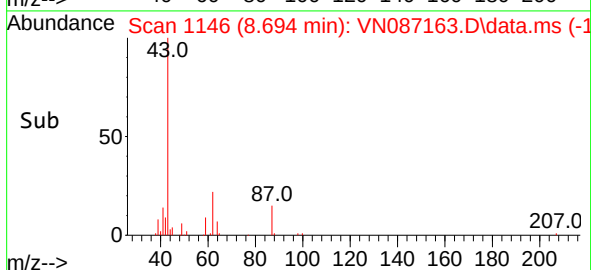
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

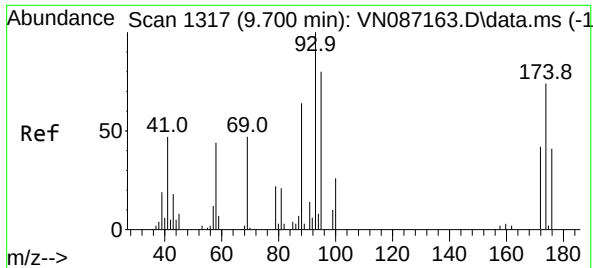


#44
Isopropyl Acetate
Concen: 24.603 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



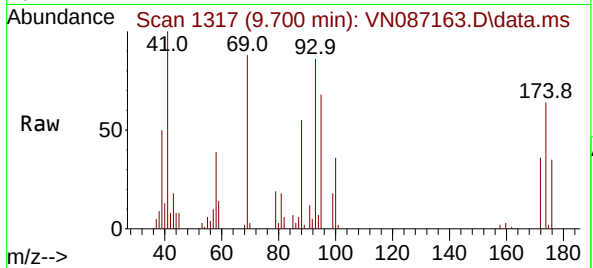
Tgt Ion: 43 Resp: 109066
Ion Ratio Lower Upper
43 100
61 25.6 23.8 35.6





#45
1,4-Dioxane
Concen: 378.114 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

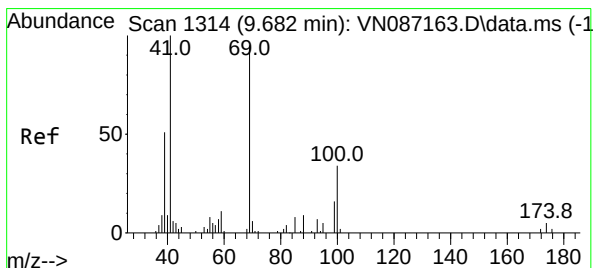
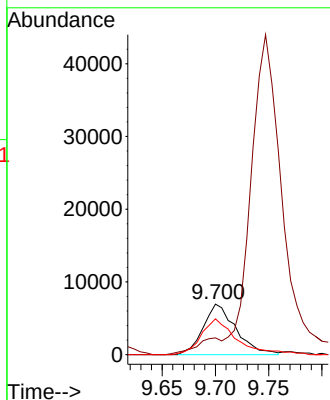
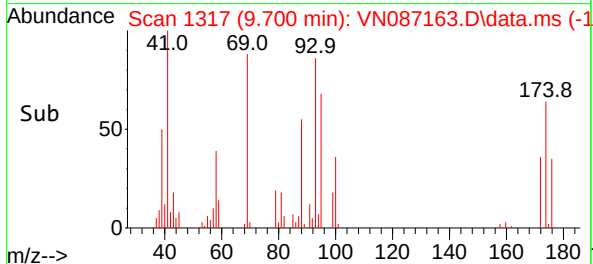
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



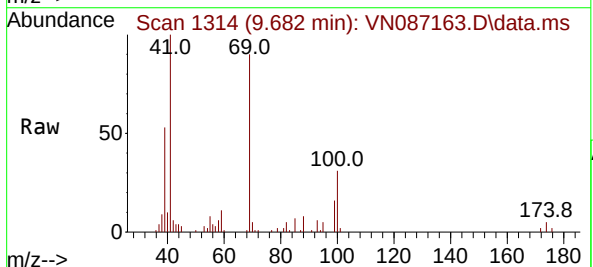
Tgt Ion: 88 Resp: 14898
Ion Ratio Lower Upper
88 100
43 26.6 23.0 34.6
58 77.1 57.6 86.4

Manual Integrations
APPROVED

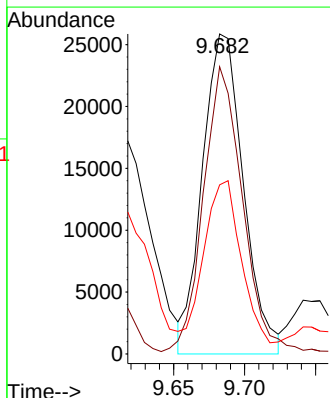
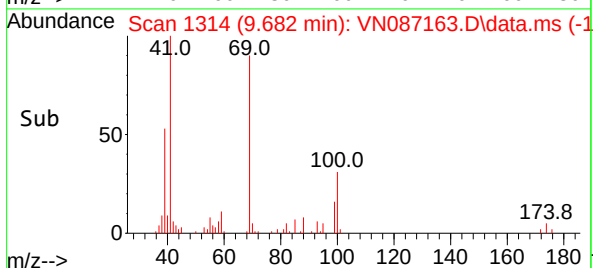
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

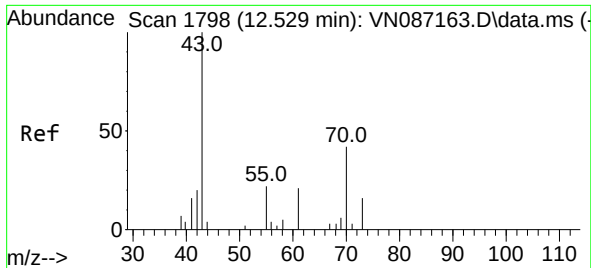


#46
Methyl methacrylate
Concen: 25.335 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



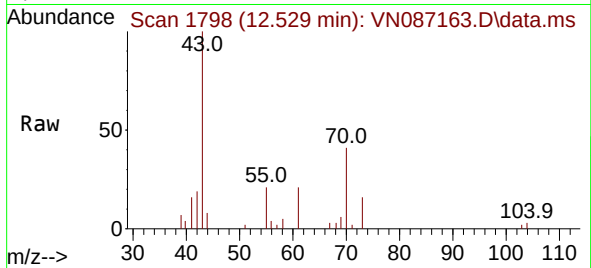
Tgt Ion: 41 Resp: 51785
Ion Ratio Lower Upper
41 100
69 91.3 48.0 144.2
39 52.3 23.8 71.2





#47
n-amy1 Acetate
Concen: 18.579 ug/l m
RT: 12.529 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

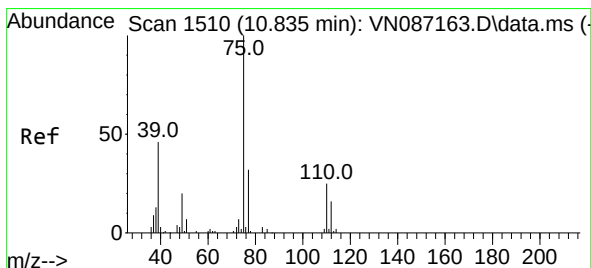
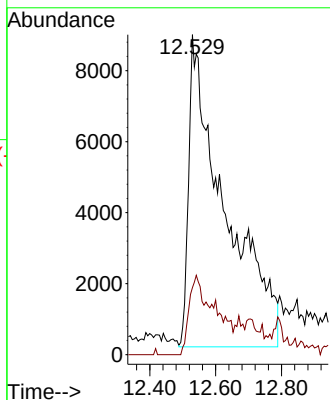
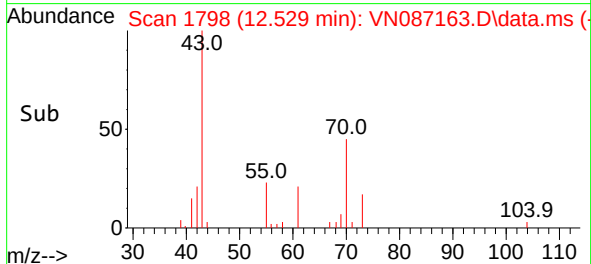
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 43 Resp: 66120
Ion Ratio Lower Upper
43 100
55 0.0 21.7 32.5

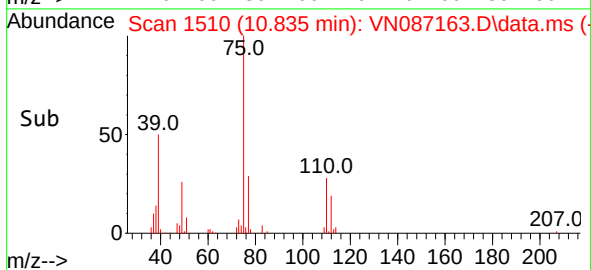
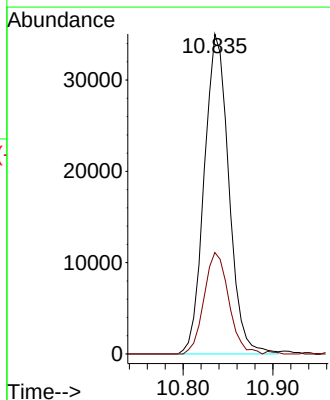
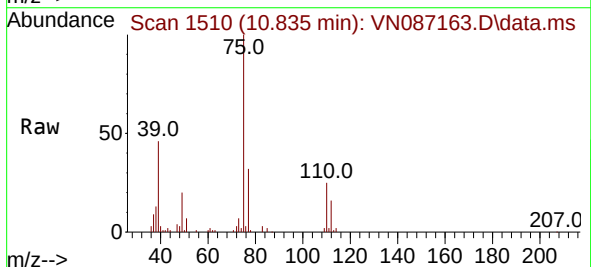
Manual Integrations
APPROVED

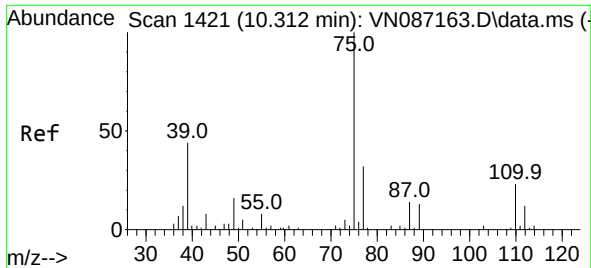
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#48
t-1,3-Dichloropropene
Concen: 20.216 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion: 75 Resp: 66870
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7





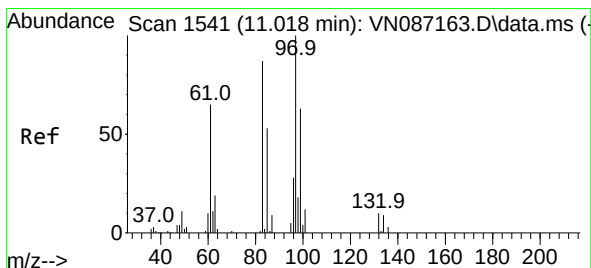
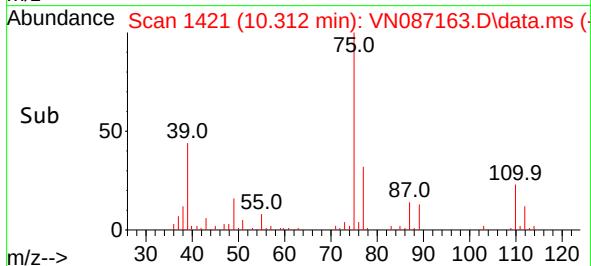
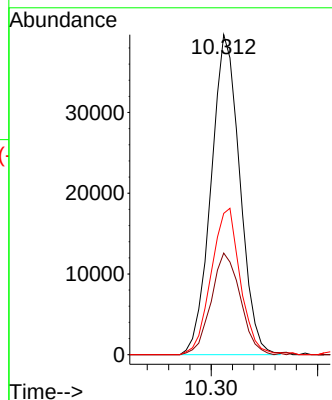
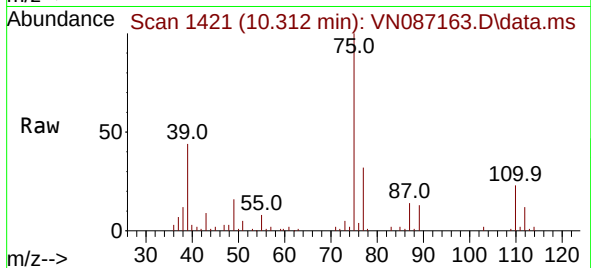
#49
 cis-1,3-Dichloropropene
 Concen: 20.403 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.000 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 75 Resp: 7423
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.9 40.3
 39 44.1 31.8 47.6

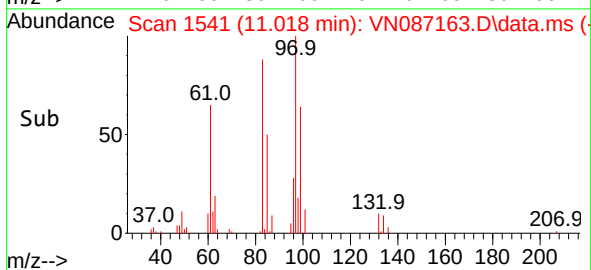
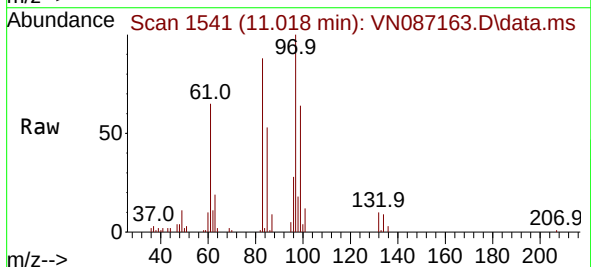
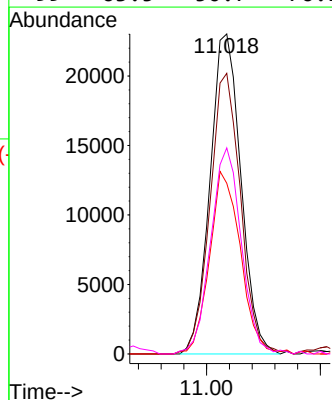
Manual Integrations
 APPROVED

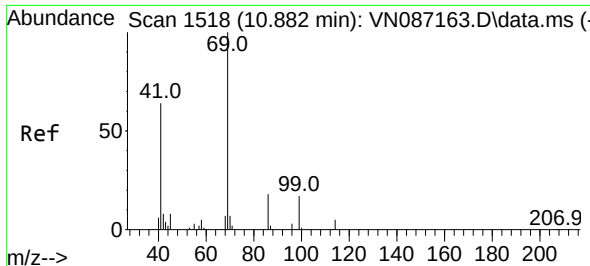
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#50
 1,1,2-Trichloroethane
 Concen: 20.932 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. 0.006 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Tgt Ion: 97 Resp: 43535
 Ion Ratio Lower Upper
 97 100
 83 87.0 70.6 105.8
 85 52.5 46.8 70.2
 99 63.5 50.7 76.1





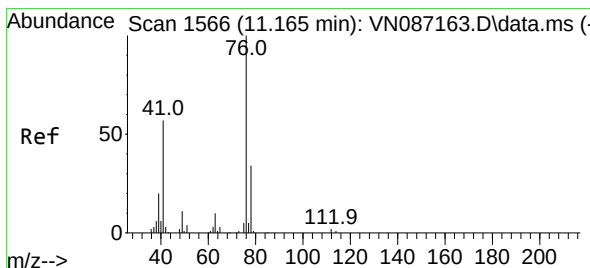
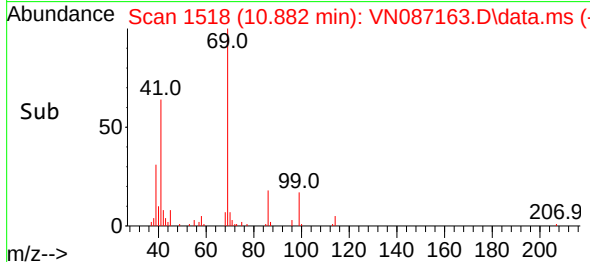
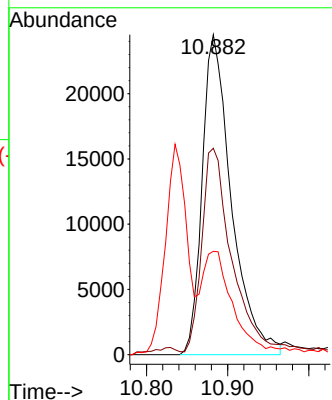
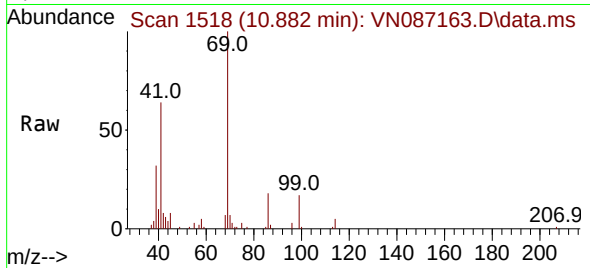
#51
Ethyl methacrylate
Concen: 18.237 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.012 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 69 Resp: 61428
Ion Ratio Lower Upper
69 100
41 63.5 30.5 91.5
39 30.5 14.3 42.9

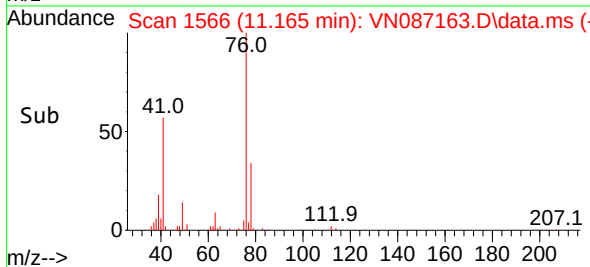
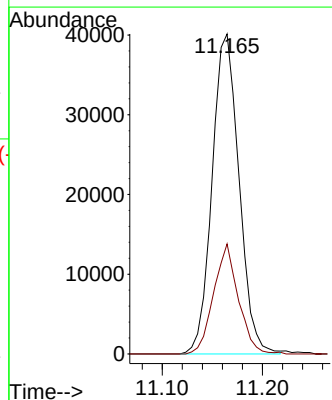
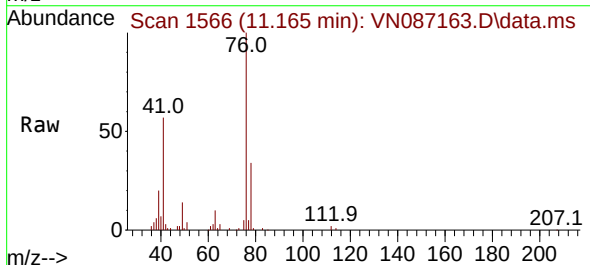
Manual Integrations
APPROVED

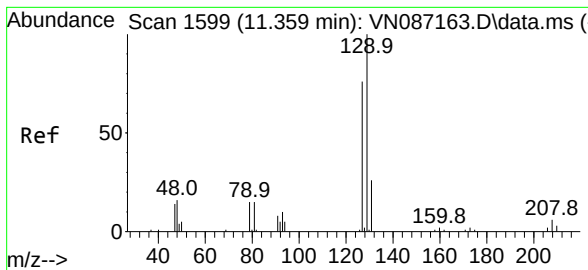
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#52
1,3-Dichloropropane
Concen: 20.272 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion: 76 Resp: 74825
Ion Ratio Lower Upper
76 100
78 31.5 0.0 64.6





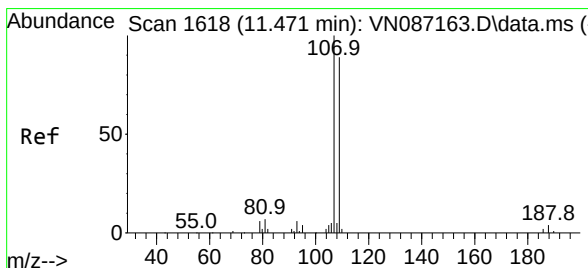
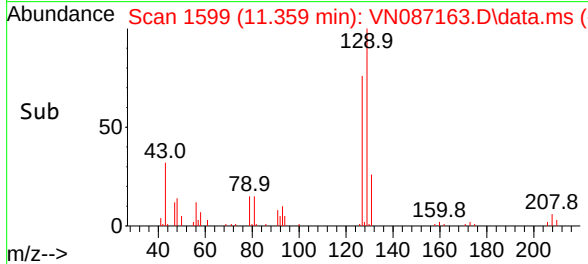
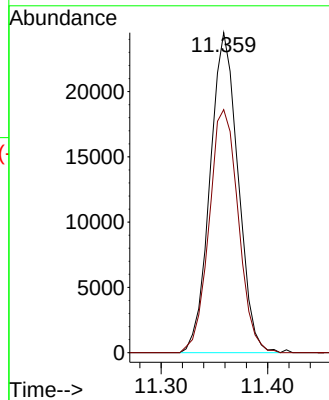
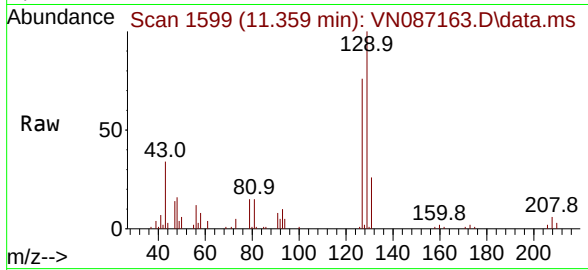
#53
Dibromochloromethane
Concen: 19.056 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:129 Resp: 4478
Ion Ratio Lower Upper
129 100
127 79.2 39.1 117.3

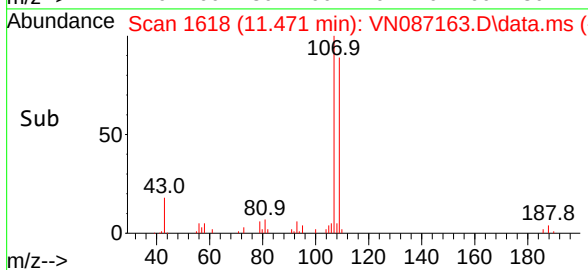
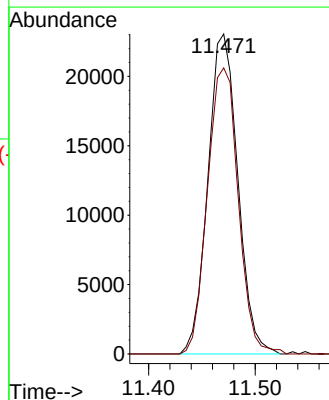
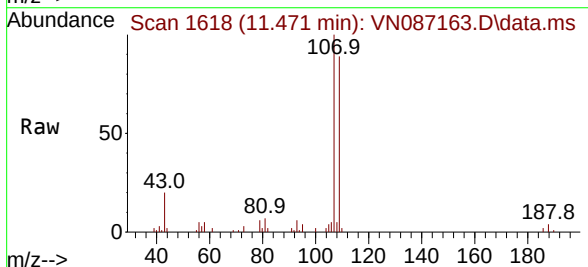
Manual Integrations
APPROVED

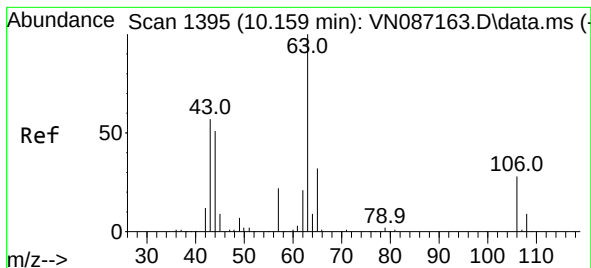
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#54
1,2-Dibromoethane
Concen: 21.145 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

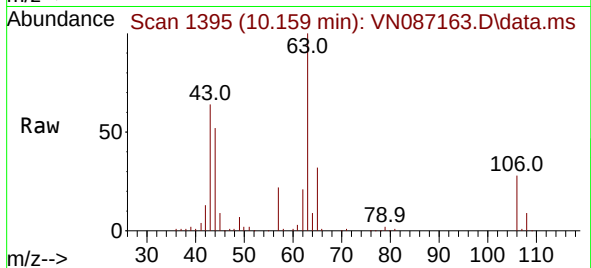
Tgt Ion:107 Resp: 44953
Ion Ratio Lower Upper
107 100
109 91.9 75.0 112.6





#55
2-Chloroethyl vinyl ether
Concen: 117.448 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

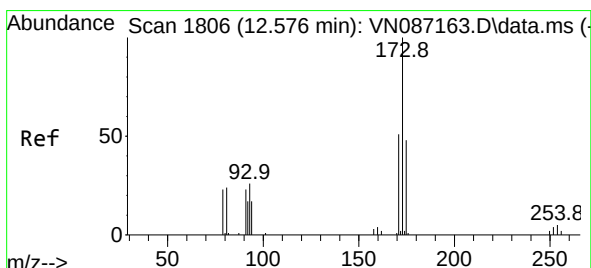
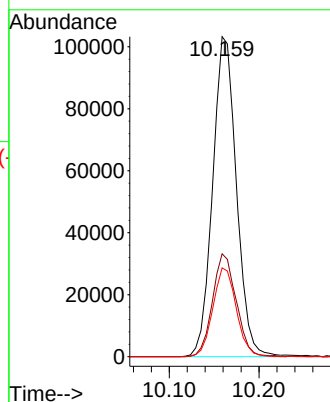
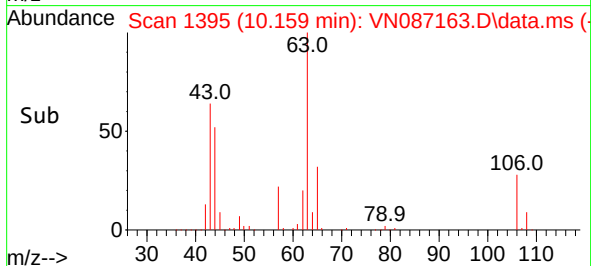
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 63 Resp: 189897
Ion Ratio Lower Upper
63 100
65 32.0 25.7 38.5
106 27.4 22.7 34.1

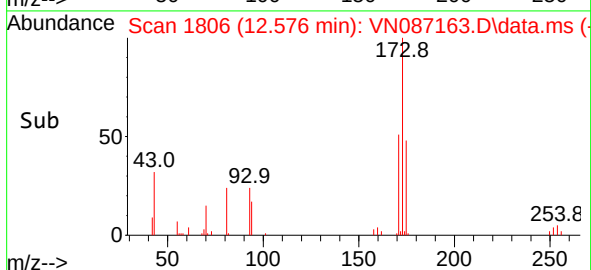
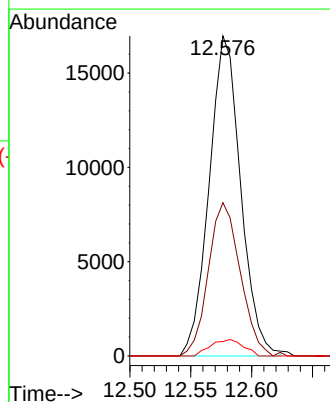
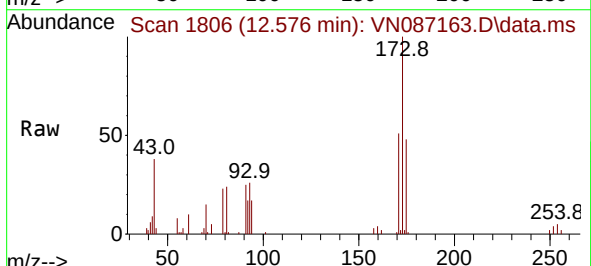
Manual Integrations
APPROVED

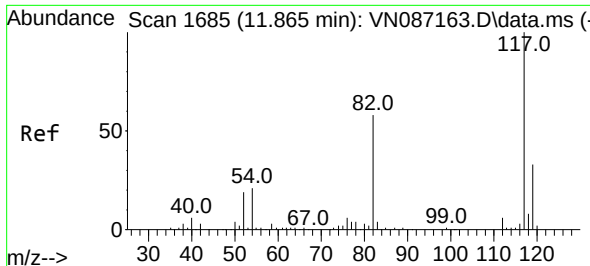
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#56
Bromoform
Concen: 20.618 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion:173 Resp: 30532
Ion Ratio Lower Upper
173 100
175 48.4 39.7 59.5
254 5.3 3.5 5.3#





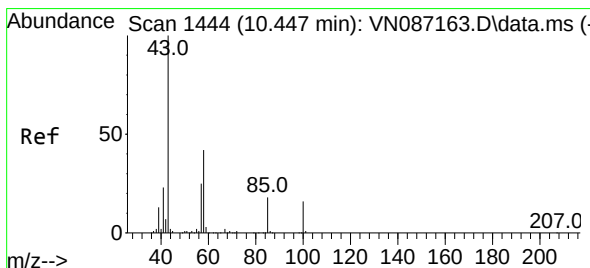
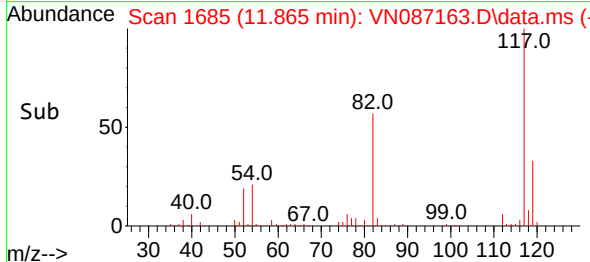
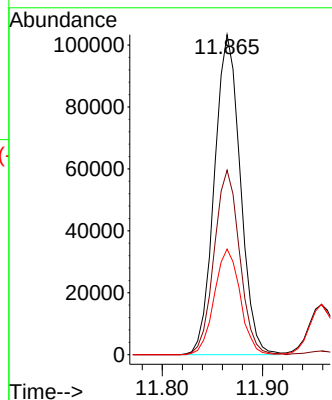
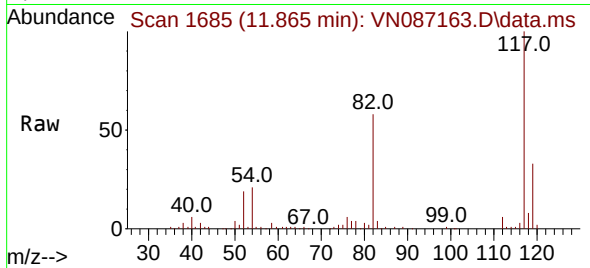
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:117 Resp: 18568
Ion Ratio Lower Upper
117 100
82 56.8 44.7 67.1
119 32.8 25.6 38.4

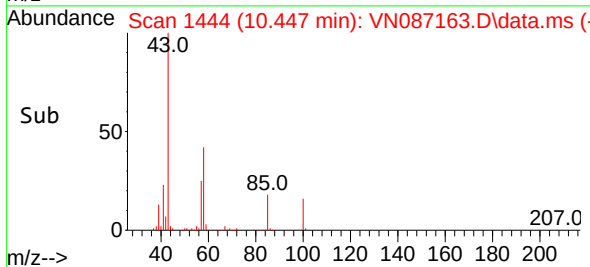
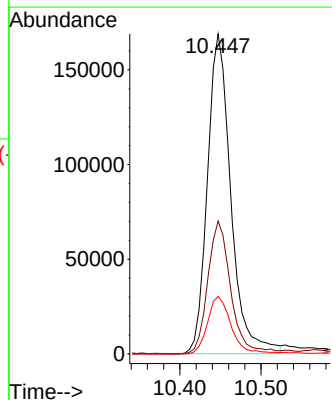
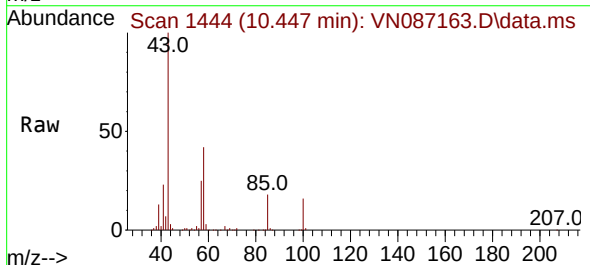
Manual Integrations
APPROVED

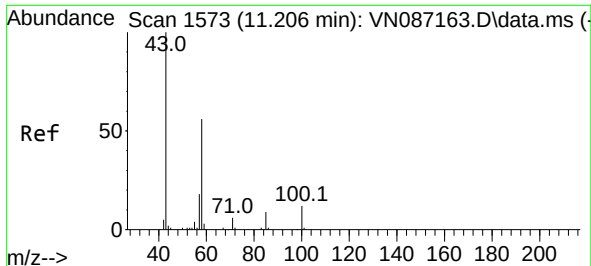
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#58
4-Methyl-2-Pentanone
Concen: 124.338 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

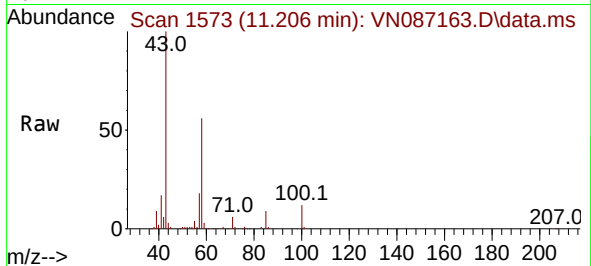
Tgt Ion: 43 Resp: 338778
Ion Ratio Lower Upper
43 100
58 40.8 34.5 51.7
85 18.3 15.8 23.8





#59
2-Hexanone
Concen: 102.251 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.018 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

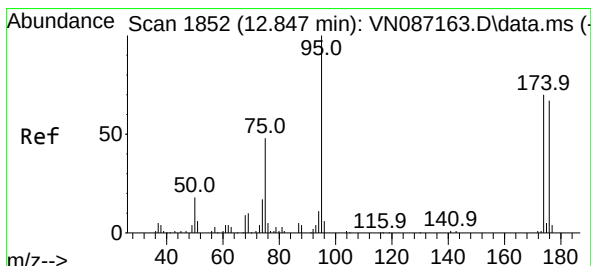
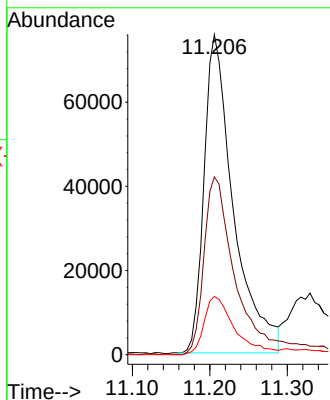
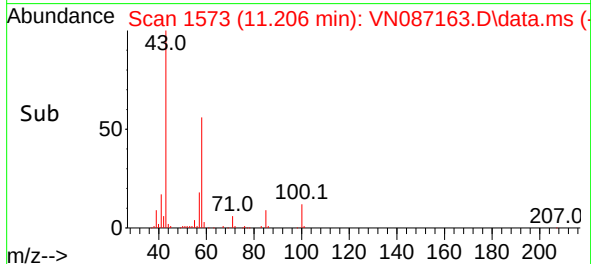
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



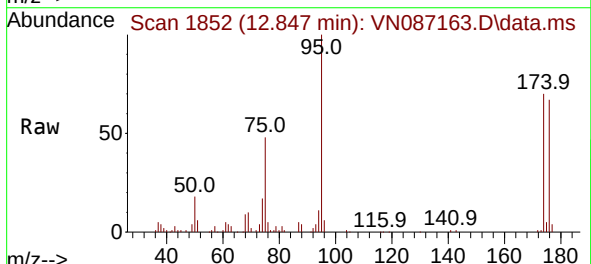
Tgt Ion: 43 Resp: 199560
Ion Ratio Lower Upper
43 100
58 61.5 49.1 73.7
57 19.1 16.6 25.0

Manual Integrations
APPROVED

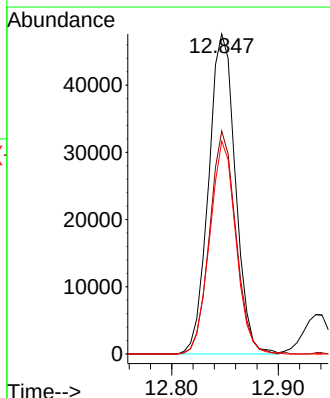
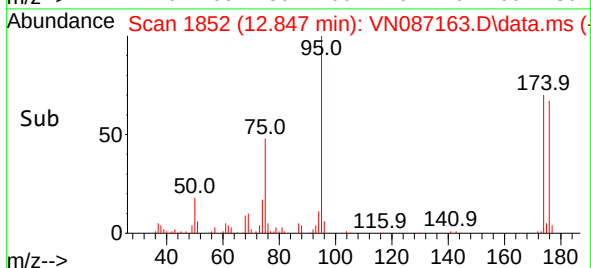
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

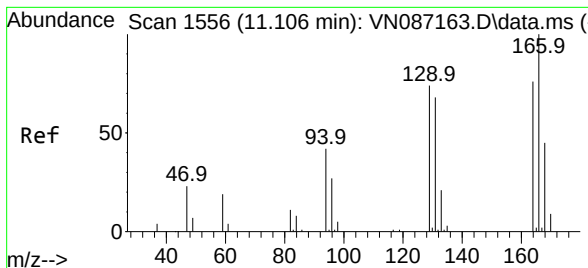


#60
4-Bromofluorobenzene
Concen: 28.555 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



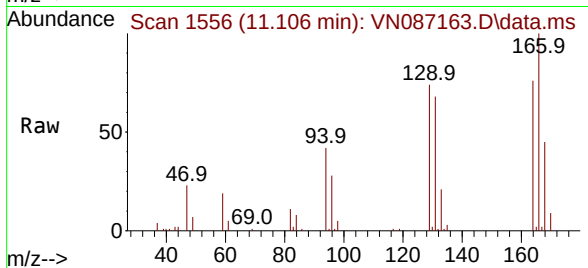
Tgt Ion: 95 Resp: 83246
Ion Ratio Lower Upper
95 100
174 68.1 56.2 84.4
176 64.9 53.4 80.0





#61
Tetrachloroethene
Concen: 10.618 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

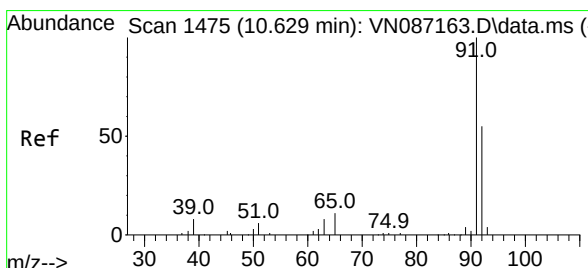
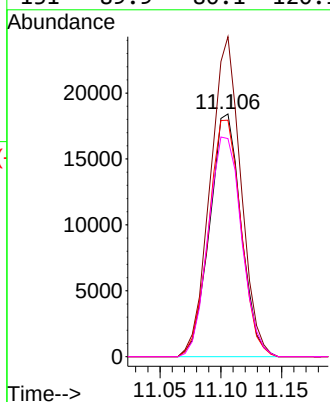
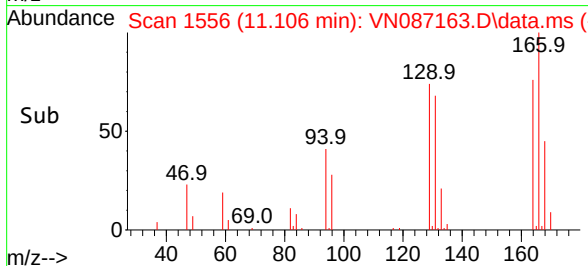
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



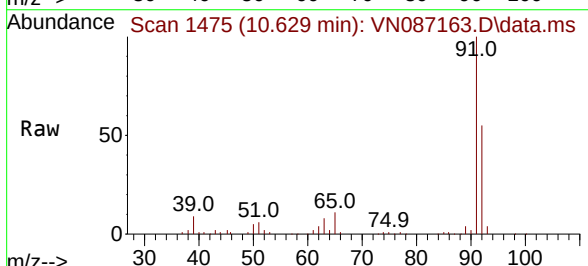
Tgt Ion:164 Resp: 3314
Ion Ratio Lower Upper
164 100
166 131.8 107.5 161.3
129 97.4 87.4 131.2
131 89.9 80.1 120.1

Manual Integrations
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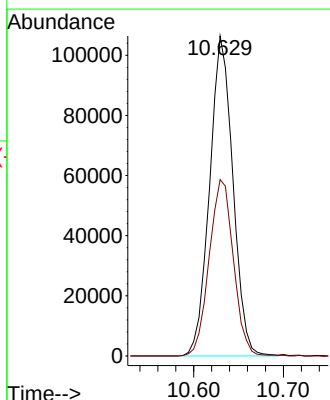
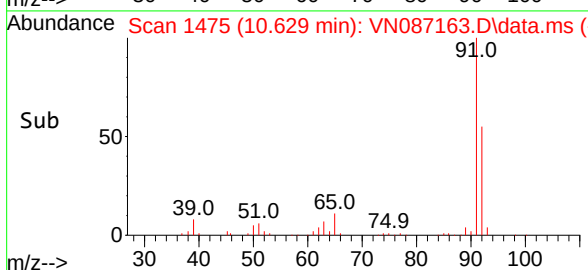
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

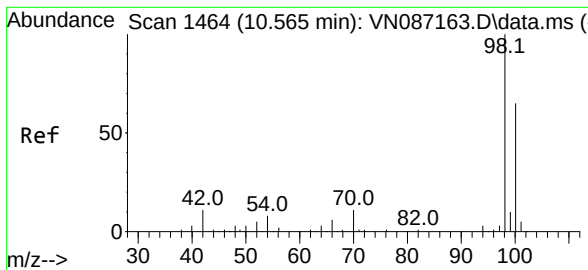


#62
Toluene
Concen: 18.349 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



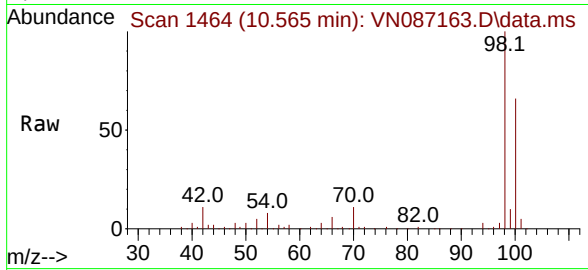
Tgt Ion: 91 Resp: 191888
Ion Ratio Lower Upper
91 100
92 57.3 46.6 70.0





#63
Toluene-d8
Concen: 30.486 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

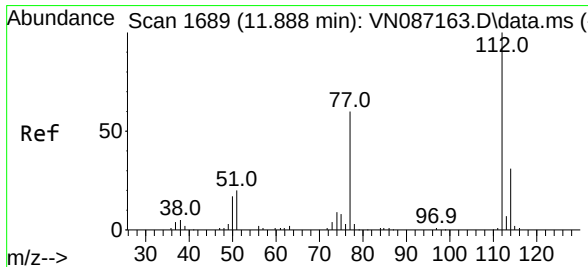
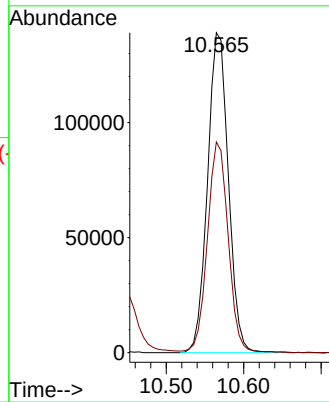
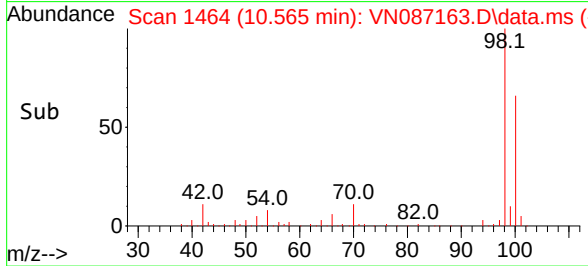
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 98 Resp: 259828
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1

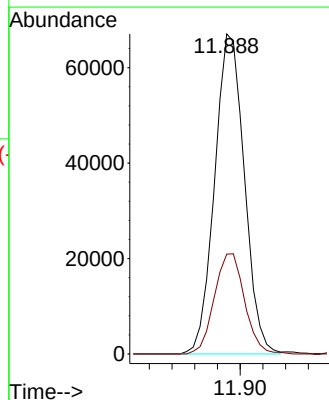
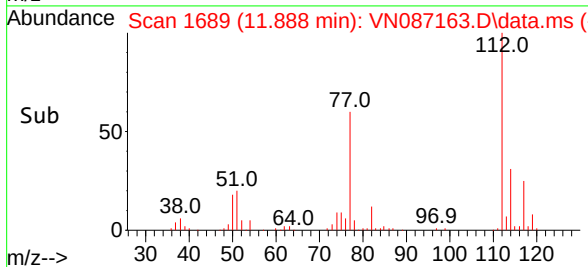
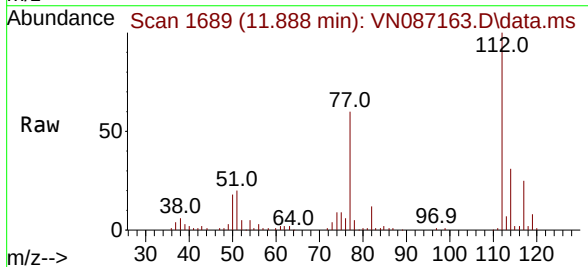
Manual Integrations
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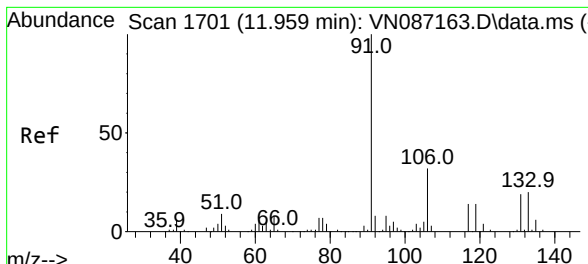
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#64
Chlorobenzene
Concen: 18.278 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion:112 Resp: 121902
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7





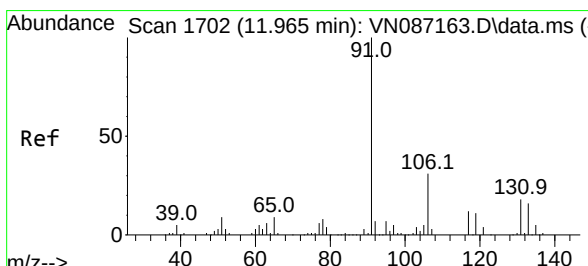
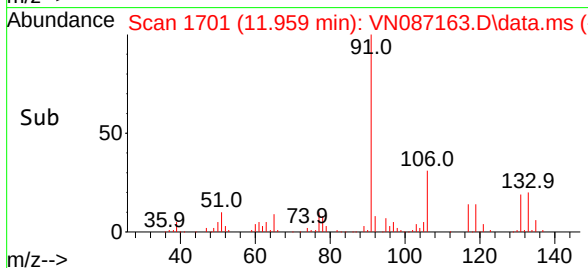
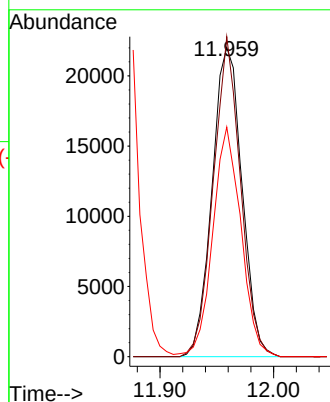
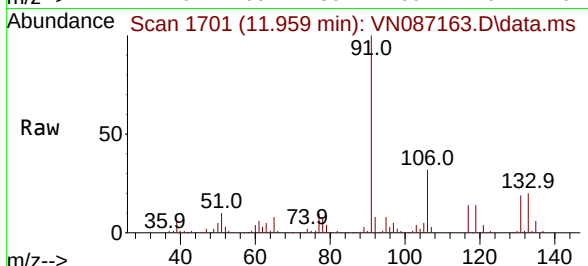
#65
1,1,1,2-Tetrachloroethane
Concen: 18.412 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:131 Resp: 4034
Ion Ratio Lower Upper
131 100
133 93.9 0.0 191.0
119 70.0 0.0 140.8

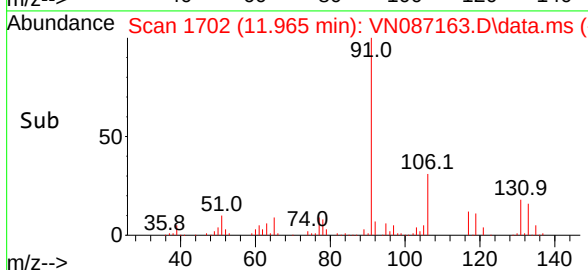
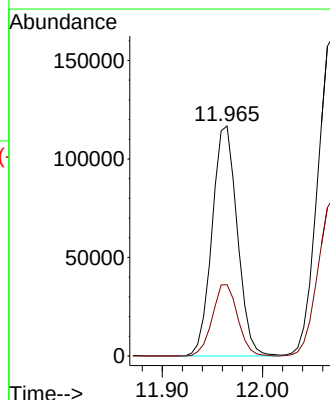
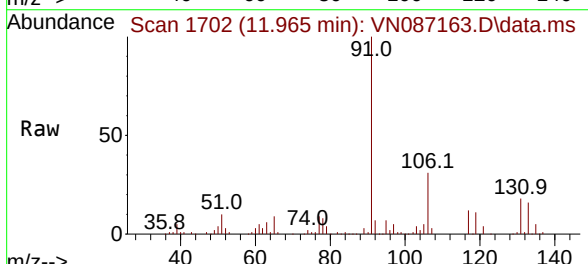
Manual Integrations
APPROVED

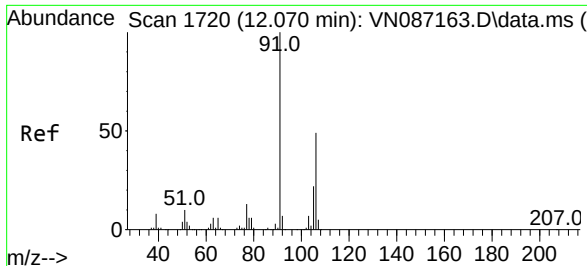
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#66
Ethyl Benzene
Concen: 18.045 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion: 91 Resp: 204111
Ion Ratio Lower Upper
91 100
106 31.0 23.6 35.4





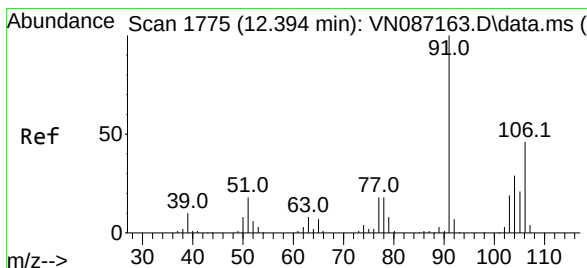
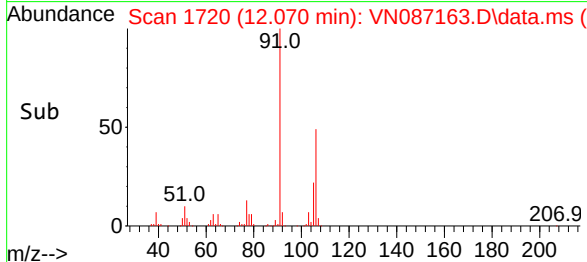
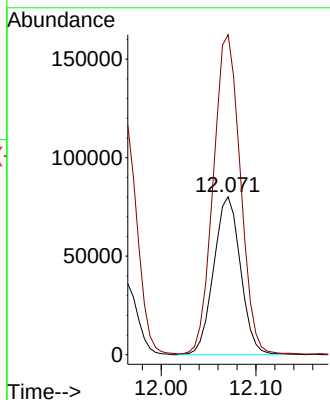
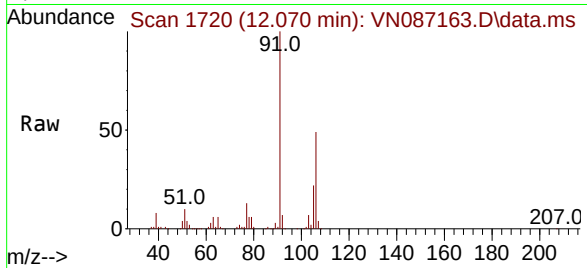
#67
m/p-Xylenes
Concen: 35.500 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 157570
Ion Ratio Lower Upper
106 100
91 203.7 160.7 241.1

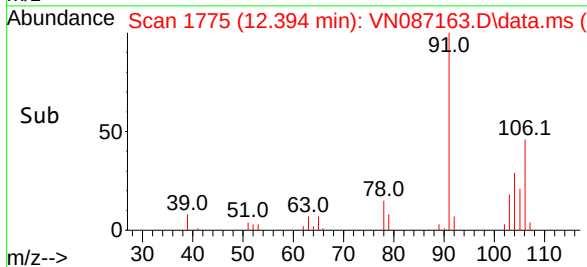
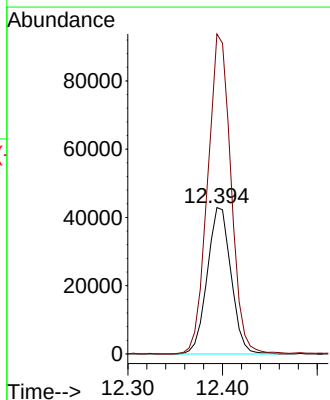
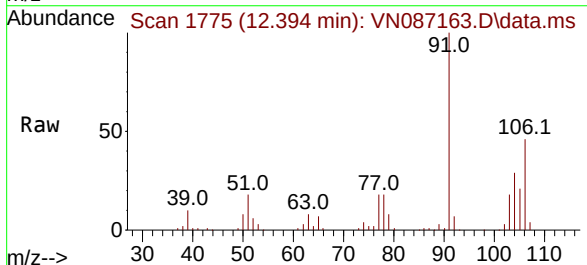
Manual Integrations
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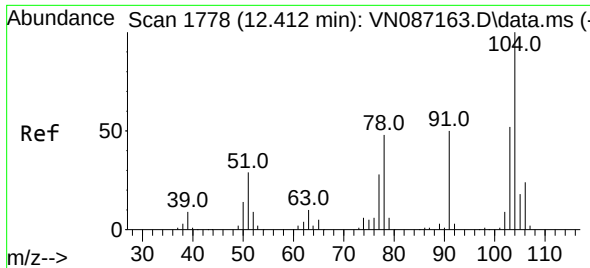
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#68
o-Xylene
Concen: 17.386 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion:106 Resp: 74793
Ion Ratio Lower Upper
106 100
91 214.1 106.3 318.9





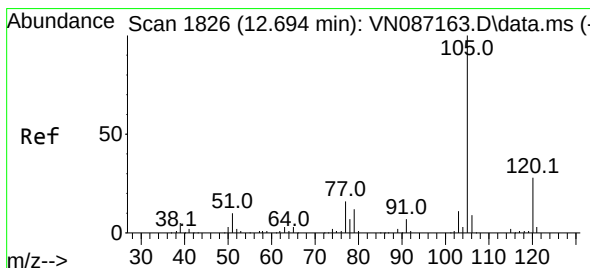
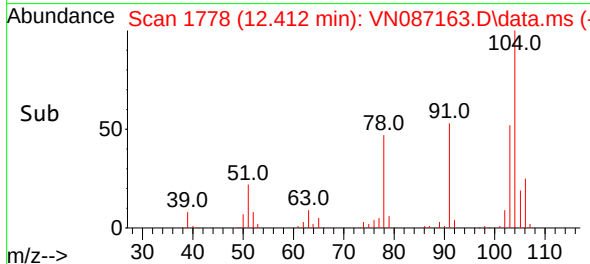
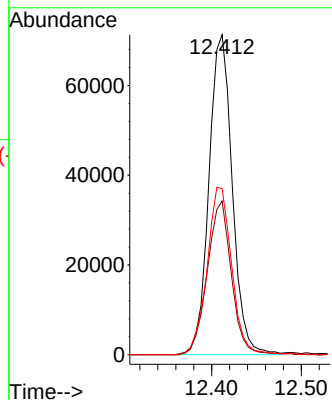
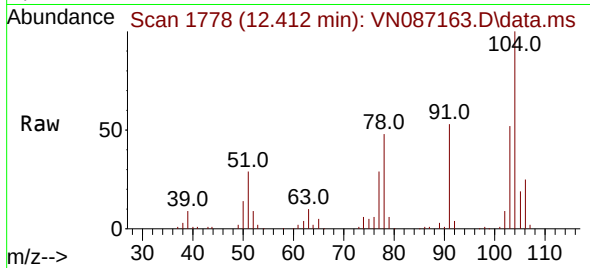
#69
Styrene
Concen: 17.953 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:104 Resp: 128660
Ion Ratio Lower Upper
104 100
78 49.8 38.6 57.8
103 55.3 43.2 64.8

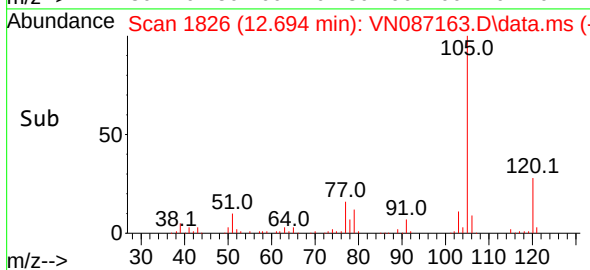
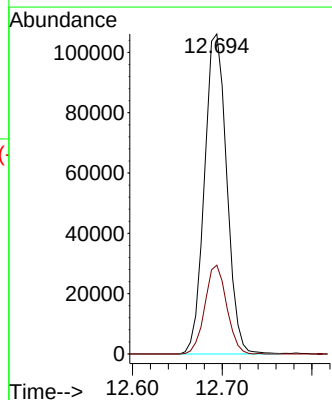
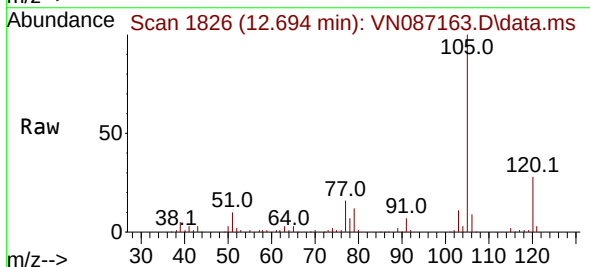
Manual Integrations
APPROVED

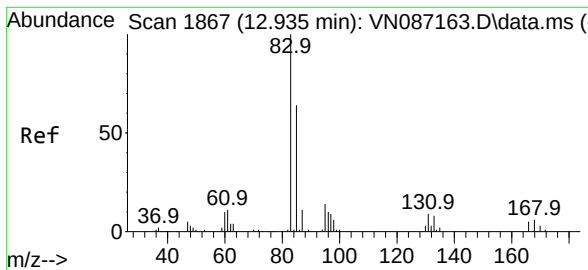
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#70
Isopropylbenzene
Concen: 17.899 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion:105 Resp: 183132
Ion Ratio Lower Upper
105 100
120 27.1 19.0 35.2





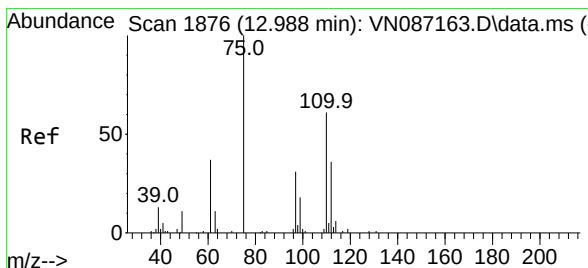
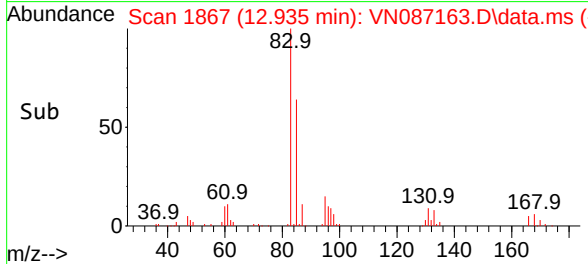
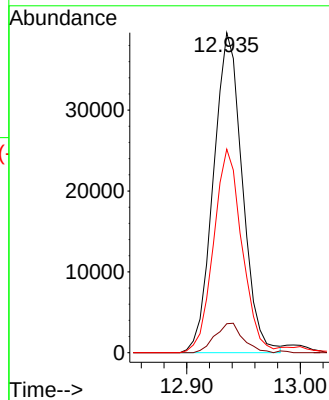
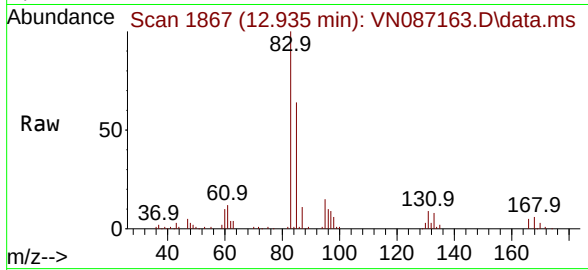
#71
 1,1,2,2-Tetrachloroethane
 Concen: 28.780 ug/l
 RT: 12.935 min Scan# 1867
 Delta R.T. -0.000 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 83 Resp: 7001
 Ion Ratio Lower Upper
 83 100
 131 8.9 5.0 15.0
 85 62.6 32.6 97.7

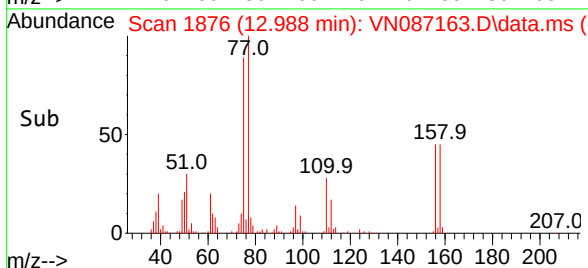
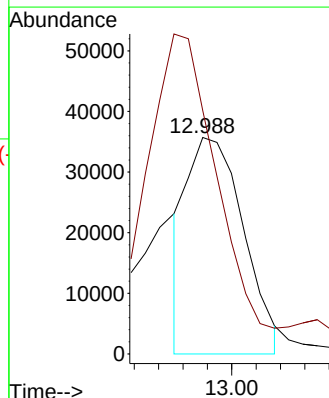
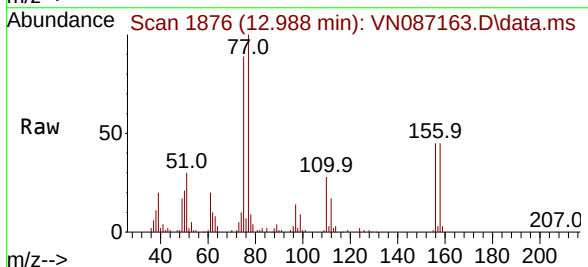
Manual Integrations
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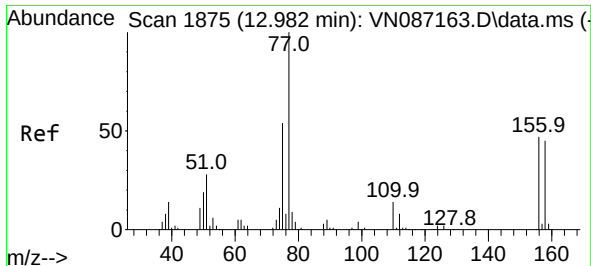
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#72
 1,2,3-Trichloropropane
 Concen: 20.191 ug/l m
 RT: 12.988 min Scan# 1876
 Delta R.T. -0.000 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Tgt Ion: 75 Resp: 57564
 Ion Ratio Lower Upper
 75 100
 77 189.6 0.0 390.6





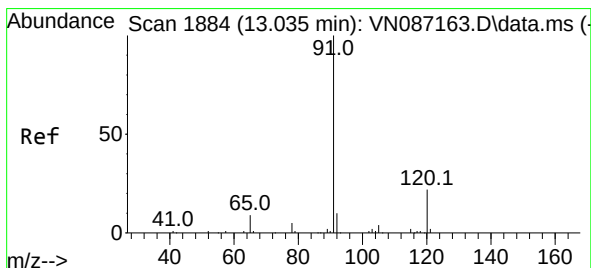
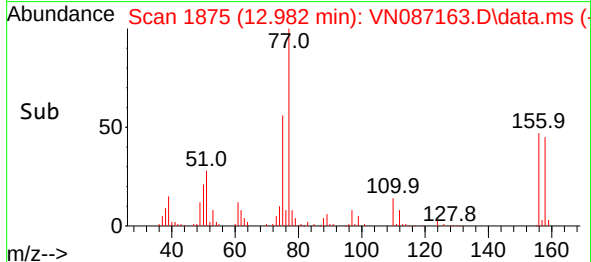
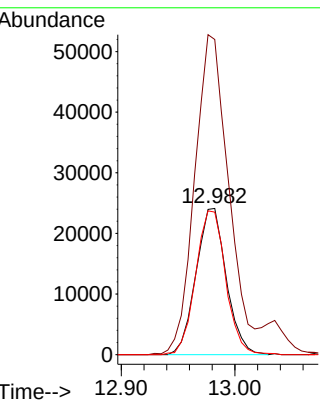
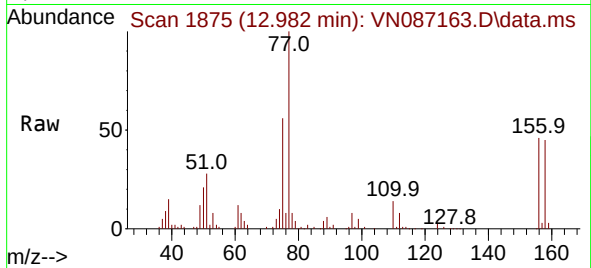
#73
Bromobenzene
Concen: 17.559 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:156 Resp: 44654
Ion Ratio Lower Upper
156 100
77 244.5 0.0 442.0
158 97.6 0.0 191.8

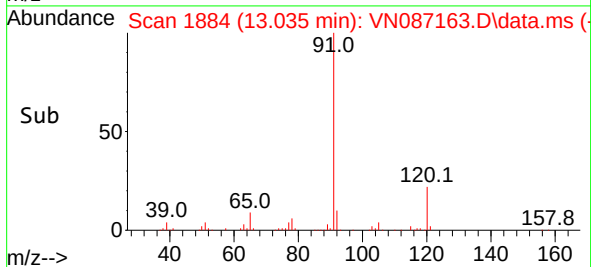
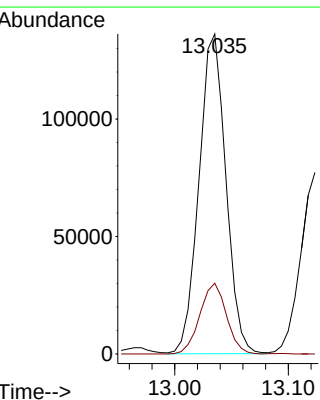
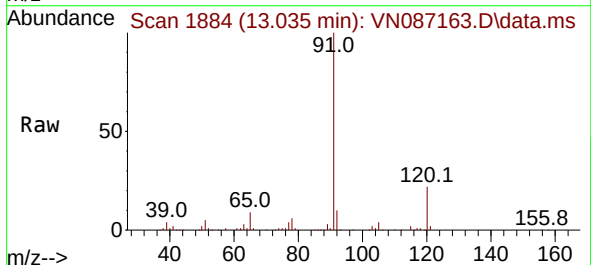
Manual Integrations
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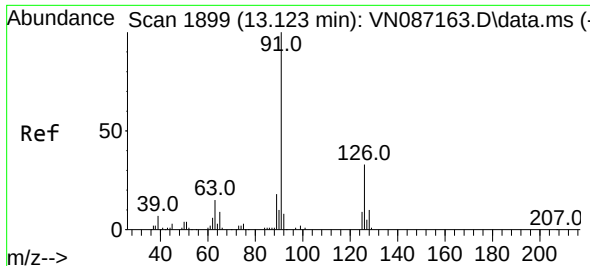
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#74
n-propylbenzene
Concen: 18.457 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion: 91 Resp: 223685
Ion Ratio Lower Upper
91 100
120 21.8 0.0 45.6





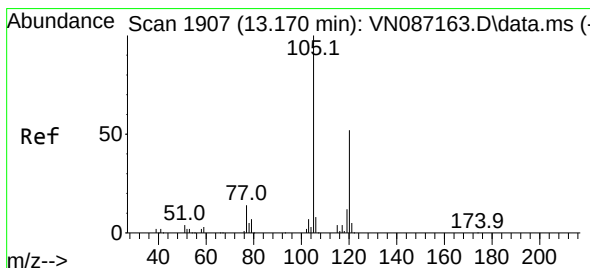
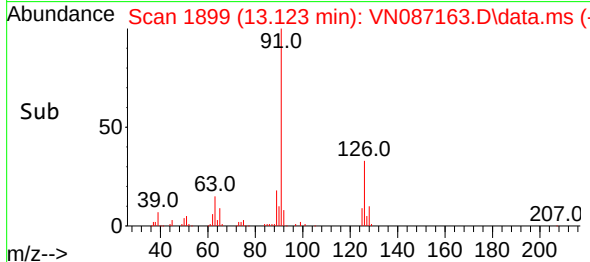
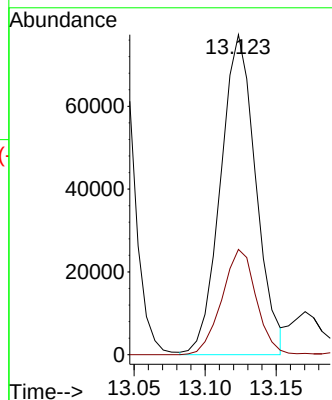
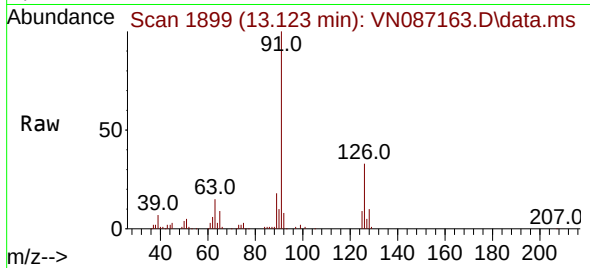
#75
2-Chlorotoluene
Concen: 17.187 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 133694
Ion Ratio Lower Upper
91 100
126 31.9 0.0 64.4

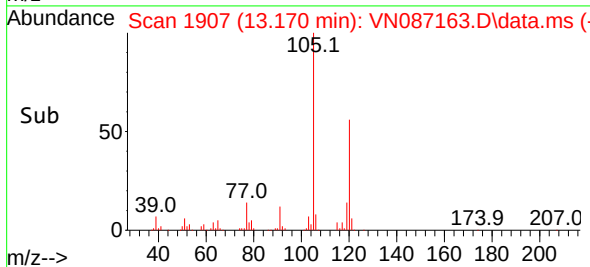
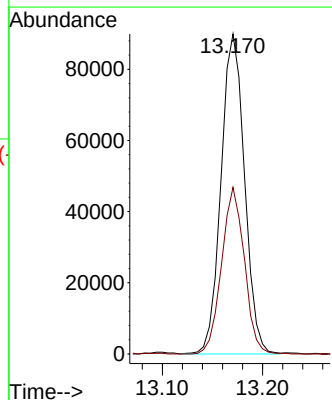
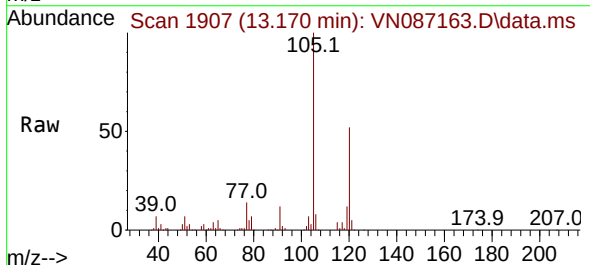
Manual Integrations
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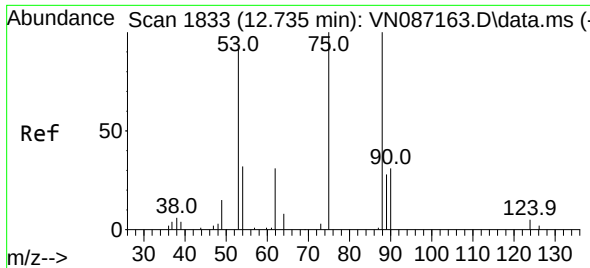
Reviewed By :John Carbone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#76
1,3,5-Trimethylbenzene
Concen: 17.169 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

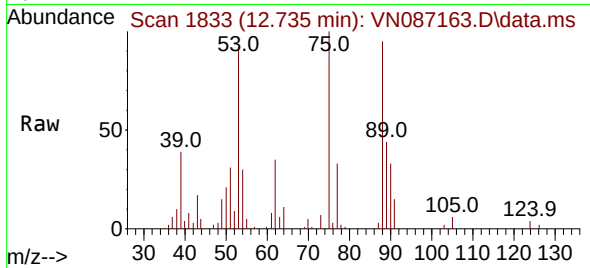
Tgt Ion:105 Resp: 146137
Ion Ratio Lower Upper
105 100
120 50.4 0.0 101.4





#77
t-1,4-Dichloro-2-butene
Concen: 20.803 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

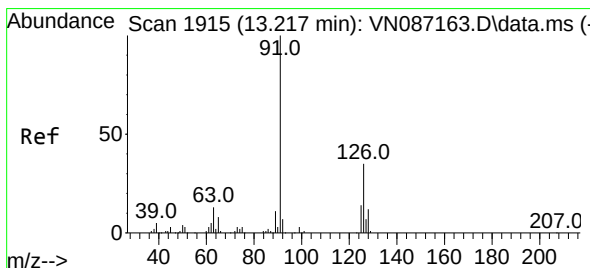
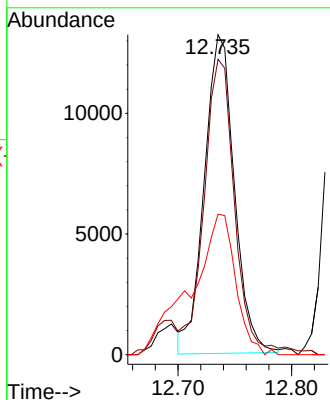
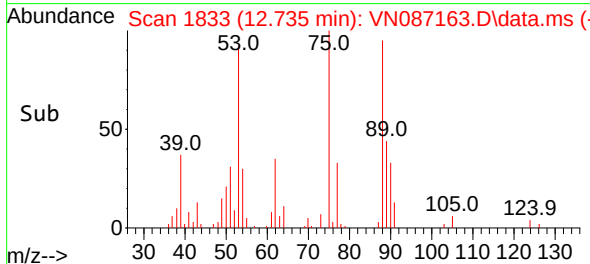
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



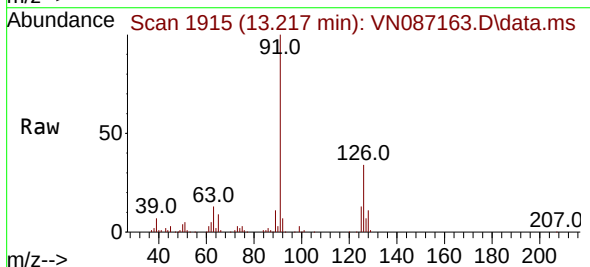
Tgt Ion: 75 Resp: 2427
Ion Ratio Lower Upper
75 100
53 91.7 43.0 128.8
89 44.6 25.4 76.2

Manual Integrations
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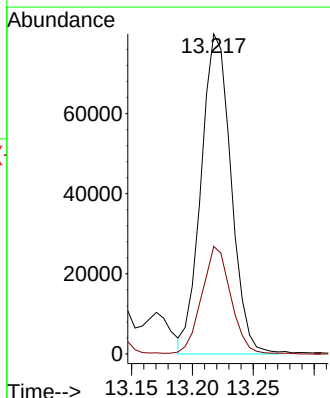
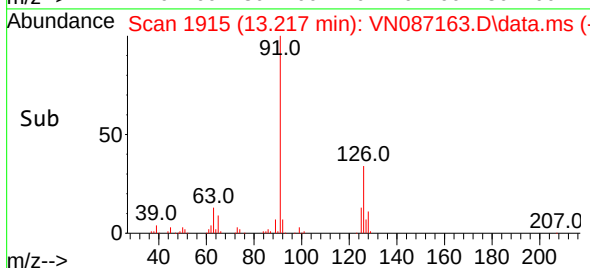
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

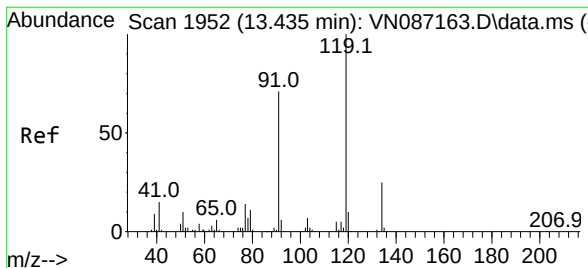


#78
4-Chlorotoluene
Concen: 17.793 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20



Tgt Ion: 91 Resp: 137101
Ion Ratio Lower Upper
91 100
126 32.6 0.0 66.6





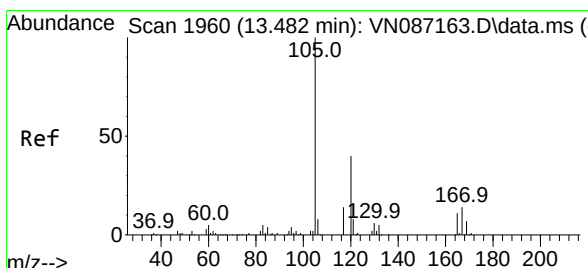
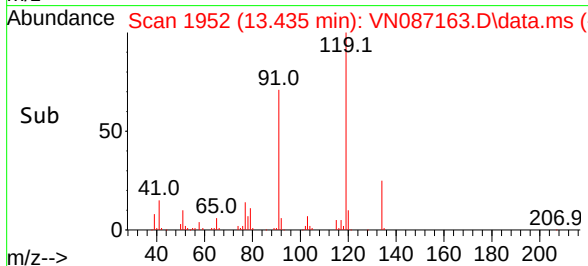
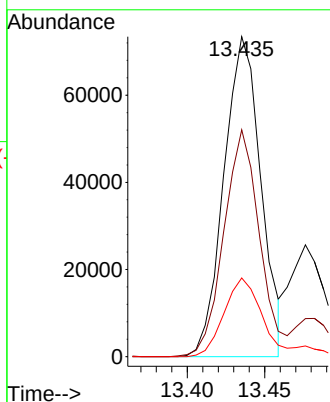
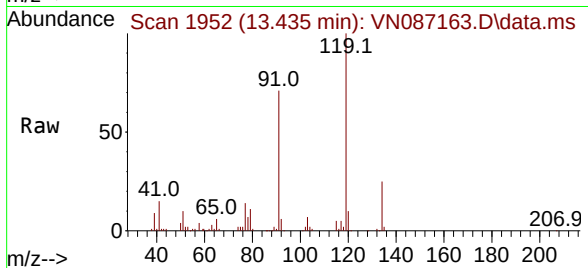
#79
tert-butylbenzene
Concen: 16.611 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:119 Resp: 12224
Ion Ratio Lower Upper
119 100
91 68.5 0.0 130.4
134 24.7 0.0 50.6

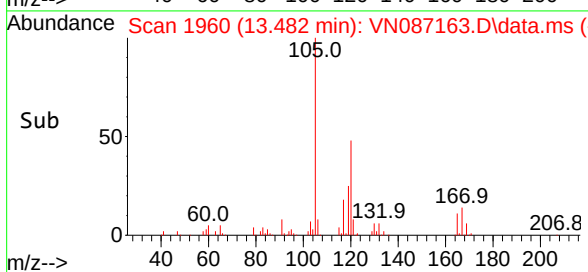
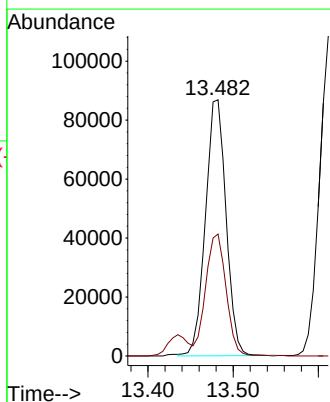
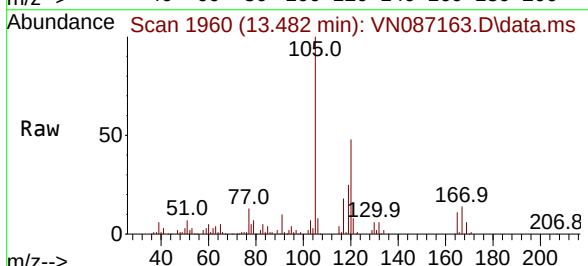
Manual Integrations
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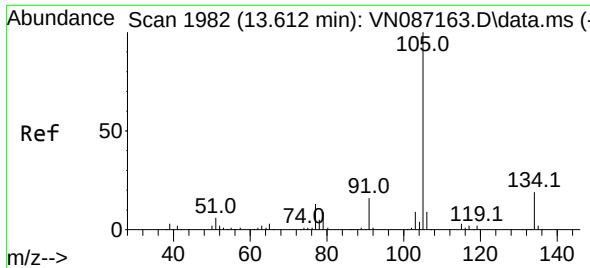
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#80
1,2,4-Trimethylbenzene
Concen: 17.068 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

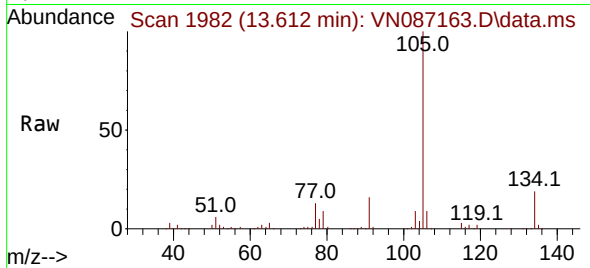
Tgt Ion:105 Resp: 145827
Ion Ratio Lower Upper
105 100
120 47.0 0.0 92.2





#81
 sec-Butylbenzene
 Concen: 18.192 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

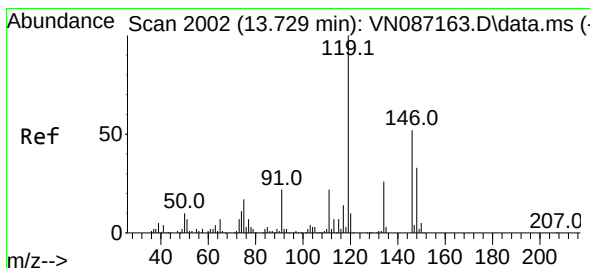
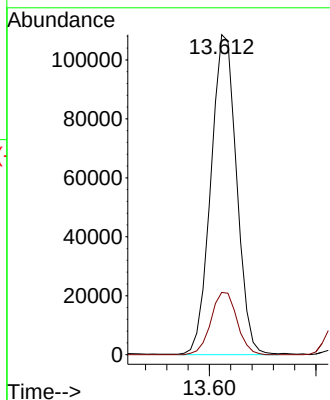
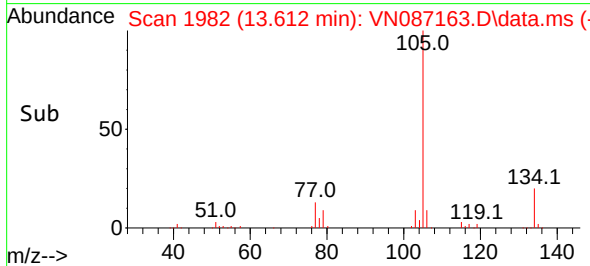
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020



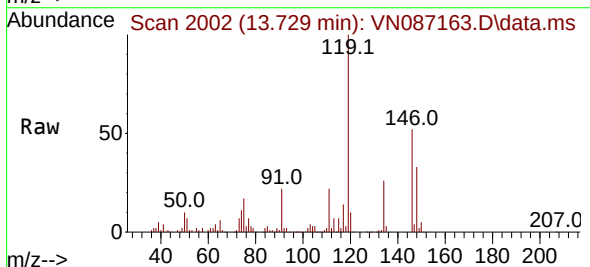
Tgt Ion:105 Resp: 18239
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 40.0

Manual Integrations
 APPROVED

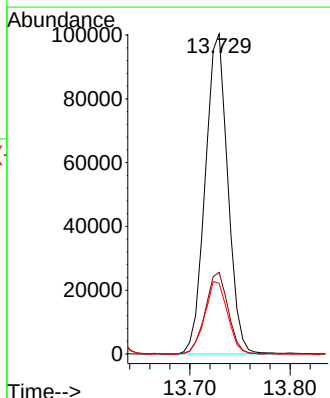
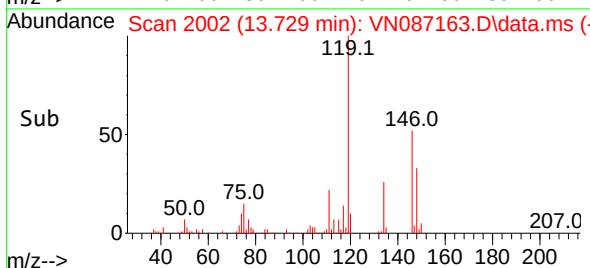
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025

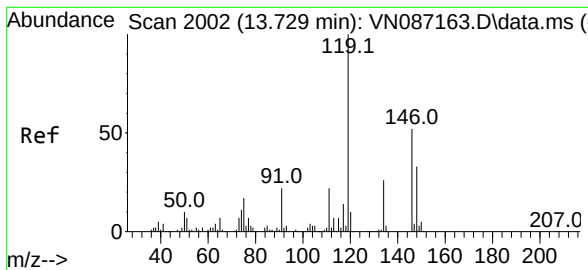


#82
 p-Isopropyltoluene
 Concen: 18.630 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20



Tgt Ion:119 Resp: 156830
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 51.8
 91 23.2 0.0 45.2





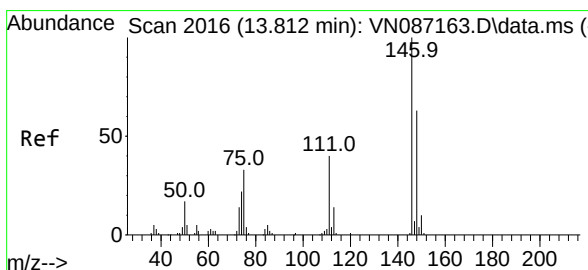
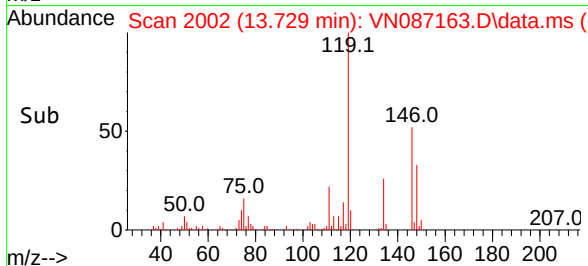
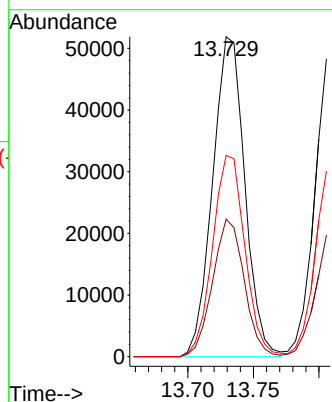
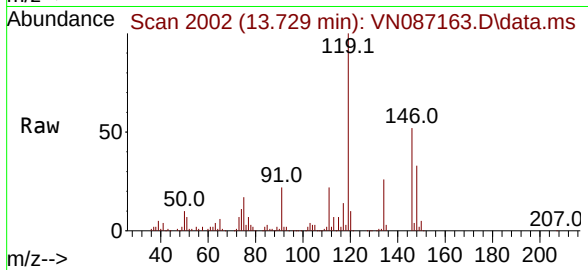
#83
 1,3-Dichlorobenzene
 Concen: 19.018 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion:146 Resp: 8872
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.1 63.1
 148 63.2 32.1 96.5

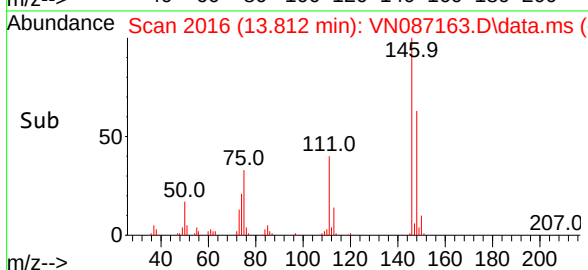
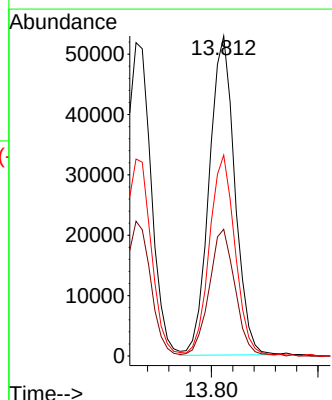
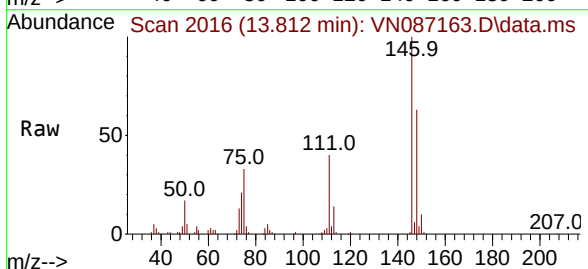
Manual Integrations
 APPROVED

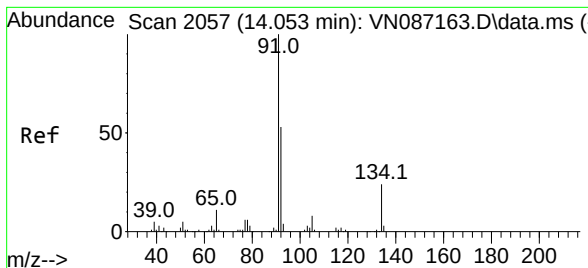
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#84
 1,4-Dichlorobenzene
 Concen: 19.028 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. 0.006 min
 Lab File: VN087163.D
 Acq: 25 Jun 2025 09:20

Tgt Ion:146 Resp: 88343
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.8 59.4
 148 62.8 31.9 95.5





#85

n-Butylbenzene

Concen: 20.240 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

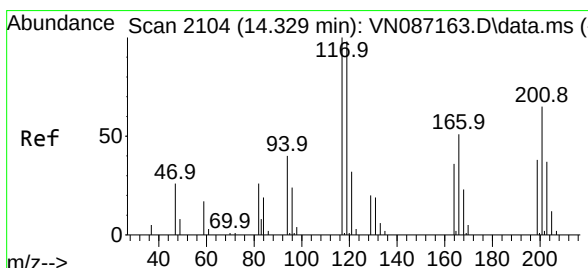
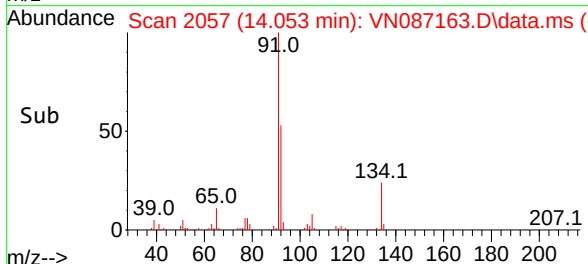
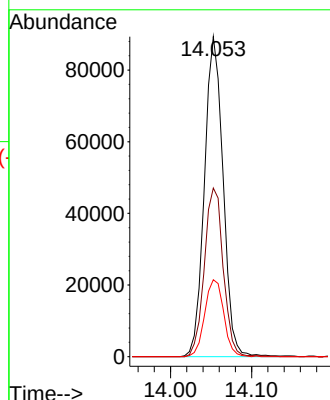
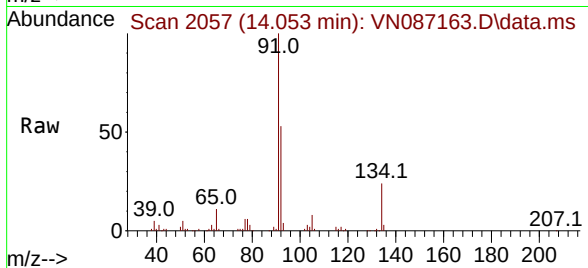
Tgt Ion:	91	Resp:	14264
Ion	Ratio	Lower	Upper
91	100		
92	53.2	0.0	107.6
134	24.4	0.0	50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#86

Hexachloroethane

Concen: 19.596 ug/l

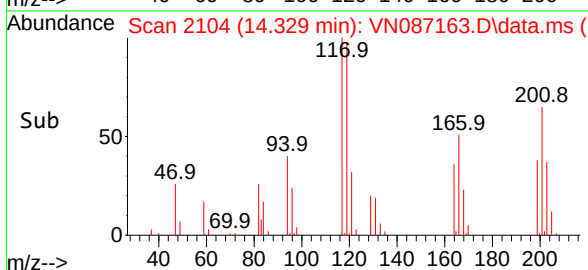
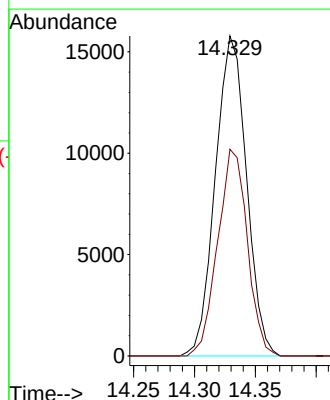
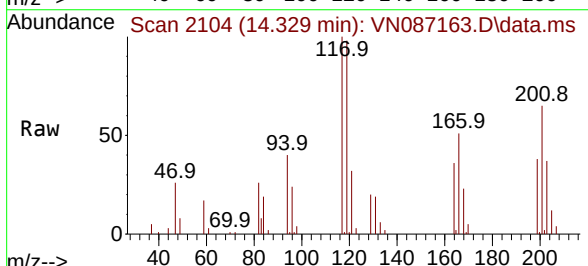
RT: 14.329 min Scan# 2104

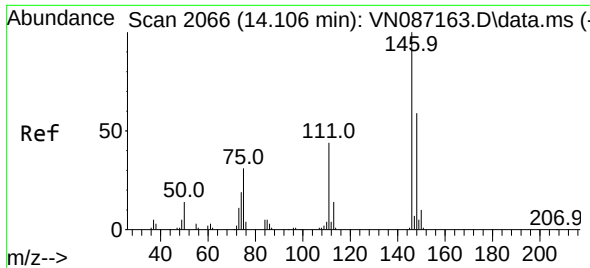
Delta R.T. -0.000 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Tgt Ion:	117	Resp:	28116
Ion	Ratio	Lower	Upper
117	100		
201	61.5	31.4	94.3





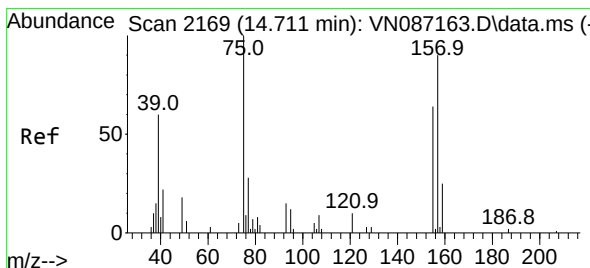
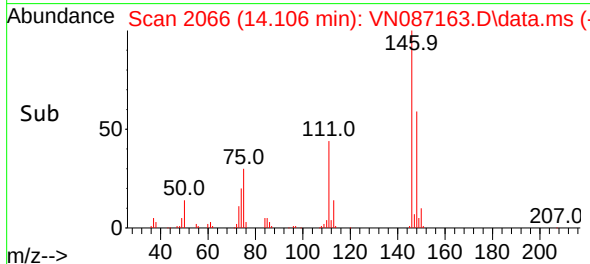
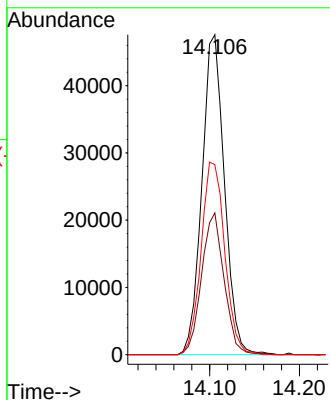
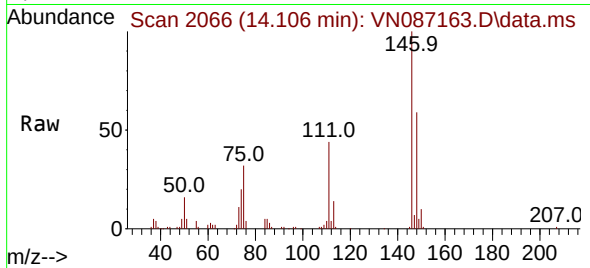
#87
1,2-Dichlorobenzene
Concen: 18.439 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:146 Resp: 82984
Ion Ratio Lower Upper
146 100
111 44.1 21.6 64.8
148 63.3 31.6 94.7

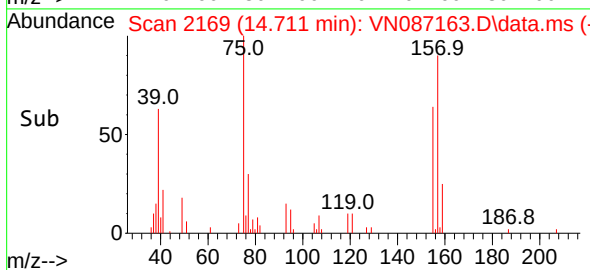
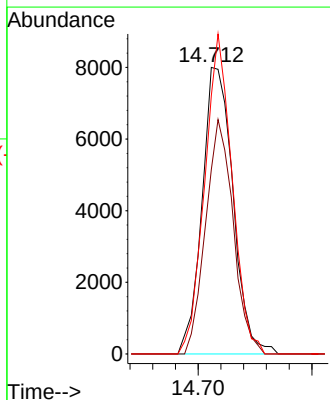
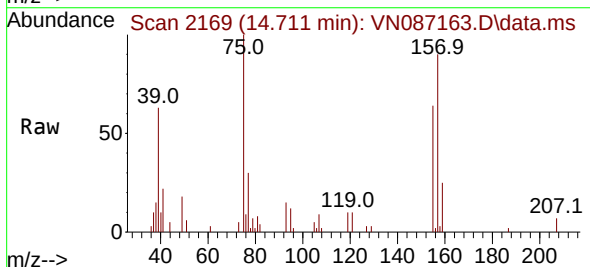
Manual Integrations
APPROVED

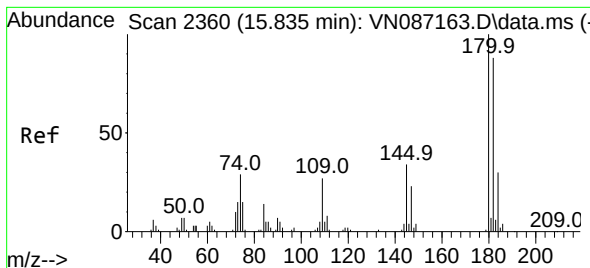
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 29.539 ug/l
RT: 14.711 min Scan# 2169
Delta R.T. -0.006 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion: 75 Resp: 15132
Ion Ratio Lower Upper
75 100
155 72.9 62.9 94.3
157 99.0 84.0 126.0





#89

1,2,4-Trichlorobenzene

Concen: 24.937 ug/l

RT: 15.835 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

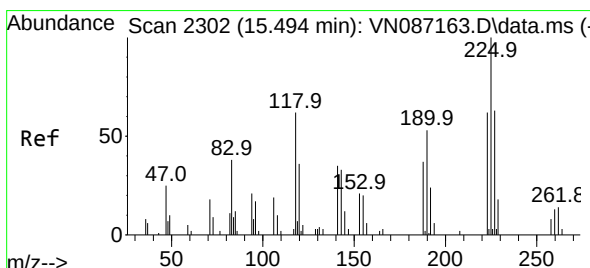
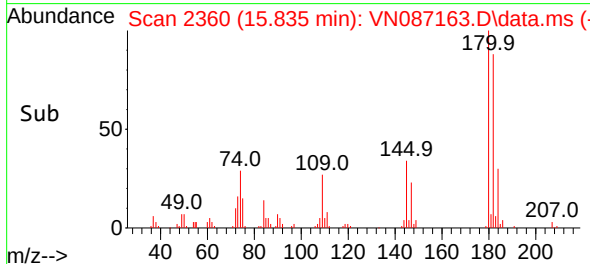
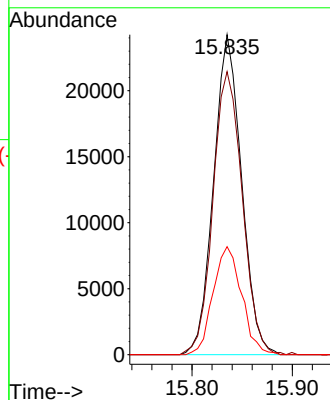
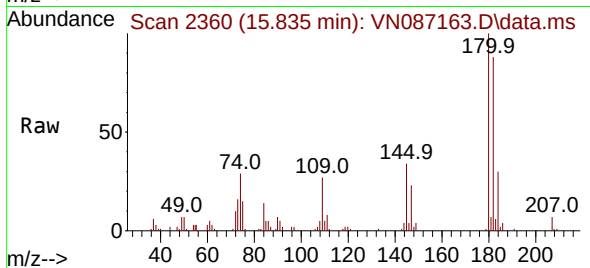
Tgt Ion:	180	Resp:	4696
Ion Ratio	Lower	Upper	
180	100		
182	92.7	78.2	117.2
145	34.5	28.0	42.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#90

Hexachlorobutadiene

Concen: 17.189 ug/l

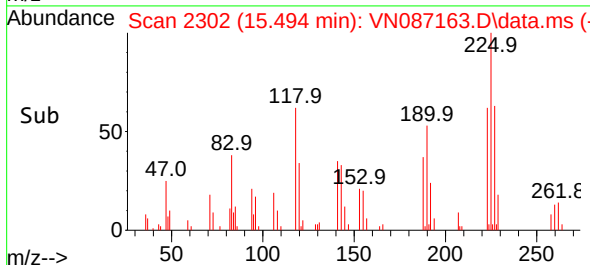
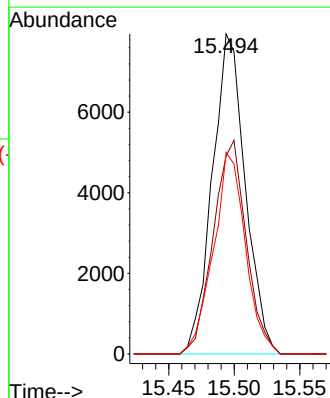
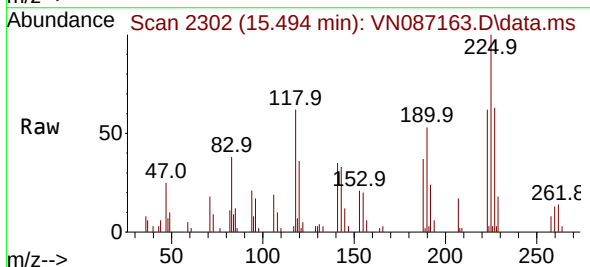
RT: 15.494 min Scan# 2302

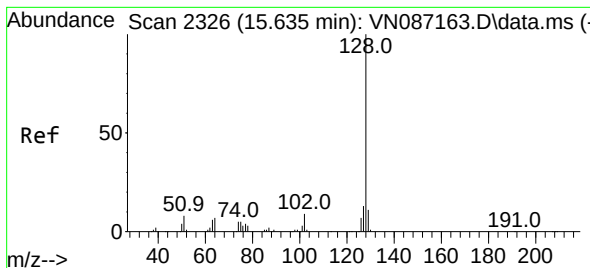
Delta R.T. -0.006 min

Lab File: VN087163.D

Acq: 25 Jun 2025 09:20

Tgt Ion:	225	Resp:	13876
Ion Ratio	Lower	Upper	
225	100		
223	67.1	0.0	135.8
227	61.3	0.0	125.0





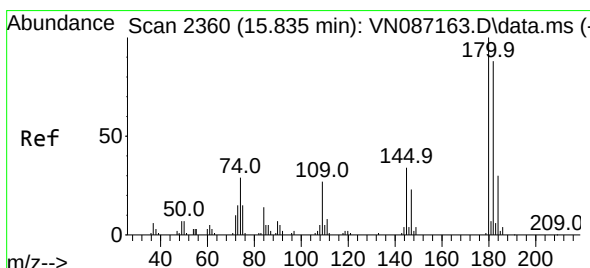
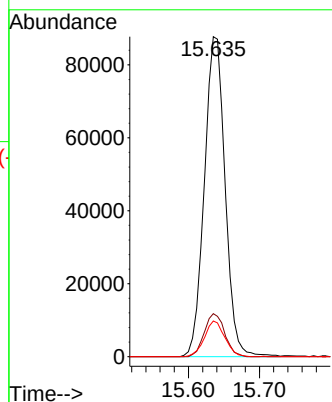
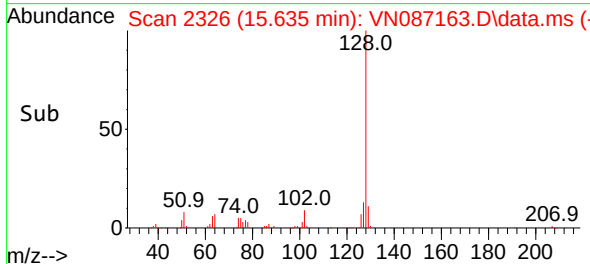
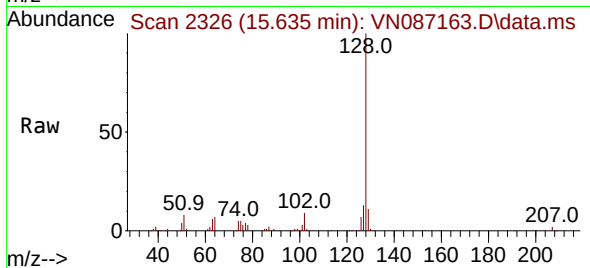
#91
Naphthalene
Concen: 27.168 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 178532
Ion Ratio Lower Upper
128 100
127 13.2 9.8 14.6
129 11.0 8.6 13.0

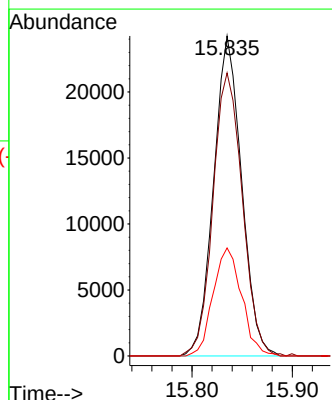
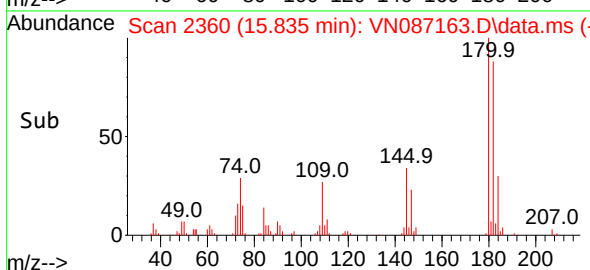
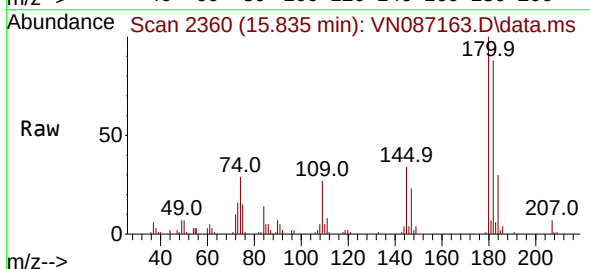
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#92
1,2,3-Trichlorobenzene
Concen: 24.937 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN087163.D
Acq: 25 Jun 2025 09:20

Tgt Ion:180 Resp: 46967
Ion Ratio Lower Upper
180 100
182 92.7 0.0 195.4
145 34.5 0.0 70.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087164.D
 Acq On : 25 Jun 2025 09:41
 Operator : JC\MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:41:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:38:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	36297	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	191792	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	183711	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	80238	32.174	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	107.233%		
60) 4-Bromofluorobenzene	12.847	95	86398	29.954	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.833%		
63) Toluene-d8	10.565	98	241406	28.629	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.433%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.154	85	105036	42.607	ug/l	97
3) Chloromethane	2.395	50	108859	34.249	ug/l	98
4) Vinyl Chloride	2.554	62	116298	39.759	ug/l	95
5) Bromomethane	2.995	94	59883	38.638	ug/l	94
6) Chloroethane	3.154	64	62900	35.158	ug/l	97
7) Trichlorofluoromethane	3.530	101	144121	42.068	ug/l	99
8) Diethyl Ether	3.983	74	70868	49.590	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.401	101	108149	51.509	ug/l #	88
10) 1,1-Dichloroethene	4.365	96	107618	50.276	ug/l	95
11) Methyl Iodide	4.612	142	104934	41.585	ug/l	91
12) Methyl Acetate	5.042	43	172834	72.704	ug/l	97
13) Acrolein	4.201	56	122967	500.718	ug/l	100
14) Acrylonitrile	5.736	53	406413	367.380	ug/l	98
15) Acetone	4.448	58	116774	416.908	ug/l	94
16) Carbon Disulfide	4.742	76	310088	49.627	ug/l	100
17) Allyl chloride	5.048	41	180781	56.849	ug/l	97
18) Methylene Chloride	5.300	84	124740	50.180	ug/l	98
19) trans-1,2-Dichloroethene	5.812	96	118244	52.785	ug/l	94
20) Diisopropyl ether	6.689	45	395621	56.488	ug/l	95
21) 1,1-Dichloroethane	6.583	63	225376	53.322	ug/l	99
22) cis-1,2-Dichloroethene	7.500	96	143629	52.945	ug/l	97
23) tert-Butyl Alcohol	5.536	59	152814	430.162	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	385760	54.681	ug/l	98
25) Chloroform	7.971	83	221377	53.512	ug/l	98
26) Cyclohexane	8.265	56	193421	52.874	ug/l #	98
29) 1,1-Dichloropropene	8.377	75	160517	56.923	ug/l	98
30) 2-Butanone	7.489	43	546757	442.524	ug/l	99
31) 2,2-Dichloropropane	7.500	77	190958	57.368	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	185977	56.894	ug/l	99
33) Carbon Tetrachloride	8.371	117	153386	54.893	ug/l	97
34) Benzene	8.612	78	503072	54.830	ug/l	98
35) Methacrylonitrile	7.789	41	109229	76.961	ug/l	95
36) 1,2-Dichloroethane	8.677	62	161947	60.234	ug/l	97
37) Trichloroethene	9.359	130	112377	44.156	ug/l	89
38) Methylcyclohexane	9.606	83	170475	54.486	ug/l	98
39) 1,2-Dichloropropane	9.624	63	117960	53.402	ug/l	96
40) Dibromomethane	9.712	93	82459	57.075	ug/l	99
41) Bromodichloromethane	9.888	83	167016	55.227	ug/l	99
42) Vinyl Acetate	6.618	43	1770137	491.503	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087164.D
 Acq On : 25 Jun 2025 09:41
 Operator : JC\MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/26/2025

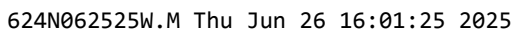
Quant Time: Jun 25 10:41:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:38:24 2025
 Response via : Initial Calibration

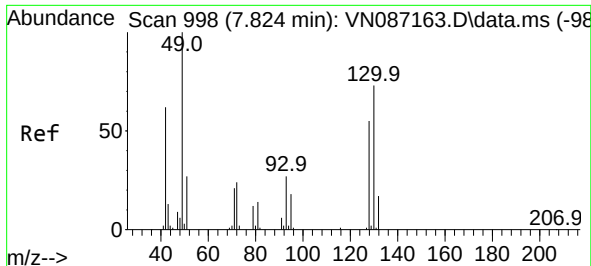
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	209283	82.779	ug/l	98
44) Isopropyl Acetate	8.694	43	318572	73.455	ug/l	97
45) 1,4-Dioxane	9.700	88	42097	1092.072	ug/l	90
46) Methyl methacrylate	9.683	41	142798	71.407	ug/l	95
47) n-amyl Acetate	12.518	43	180529	51.850	ug/l #	100
48) t-1,3-Dichloropropene	10.835	75	196045	60.579	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	193737	54.427	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	120146	59.045	ug/l	98
51) Ethyl methacrylate	10.882	69	196419	59.603	ug/l	98
52) 1,3-Dichloropropane	11.165	76	208157	57.643	ug/l	98
53) Dibromochloromethane	11.359	129	128273	55.785	ug/l	98
54) 1,2-Dibromoethane	11.471	107	122070	58.689	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	502611	317.734	ug/l	100
56) Bromoform	12.576	173	86503	59.706	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	987570	366.357	ug/l	100
59) 2-Hexanone	11.200	43	673308	348.700	ug/l	97
61) Tetrachloroethene	11.106	164	92124	29.832	ug/l	96
62) Toluene	10.630	91	526581	50.894	ug/l	99
64) Chlorobenzene	11.894	112	338627	51.320	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	111613	51.489	ug/l	98
66) Ethyl Benzene	11.965	91	589779	52.700	ug/l	99
67) m/p-Xylenes	12.071	106	454250	103.437	ug/l	99
68) o-Xylene	12.400	106	217114	51.013	ug/l	99
69) Styrene	12.412	104	379767	53.558	ug/l	99
70) Isopropylbenzene	12.694	105	547639	54.100	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	194527	80.826	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	161650m	57.309	ug/l	
73) Bromobenzene	12.982	156	130892	52.023	ug/l	98
74) n-propylbenzene	13.035	91	680365	56.743	ug/l	99
75) 2-Chlorotoluene	13.123	91	403198	52.390	ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	458902	54.494	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	75763	65.634	ug/l	98
78) 4-Chlorotoluene	13.218	91	420022	55.095	ug/l	99
79) tert-butylbenzene	13.435	119	389222	53.458	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	466397	55.177	ug/l	98
81) sec-Butylbenzene	13.612	105	564906	56.952	ug/l	99
82) p-Isopropyltoluene	13.729	119	469774	56.404	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	257282	55.740	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	260975	56.816	ug/l	99
85) n-Butylbenzene	14.053	91	438545	62.894	ug/l	99
86) Hexachloroethane	14.329	117	86176	60.709	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	246553	55.373	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	43840	86.500	ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	127450	68.396	ug/l	97
90) Hexachlorobutadiene	15.494	225	40360	50.535	ug/l	97
91) Naphthalene	15.635	128	528628	81.307	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	127450	68.396	ug/l	97

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

Manual Integrations

Quant Time: Jun 25 10:41:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration





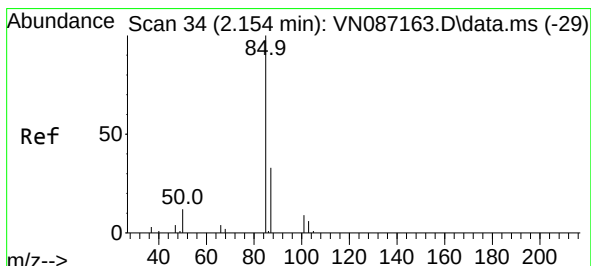
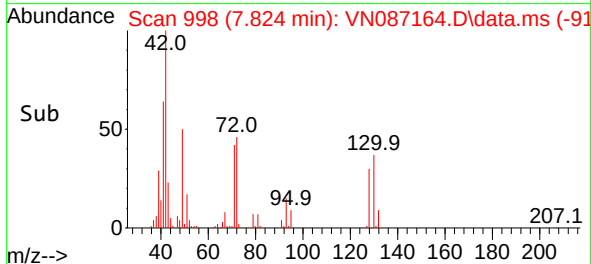
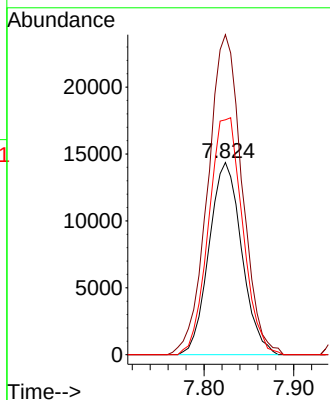
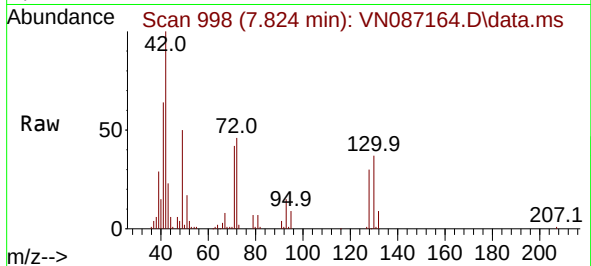
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:128 Resp: 3629
Ion Ratio Lower Upper
128 100
49 174.2 0.0 450.5
130 128.5 0.0 320.7

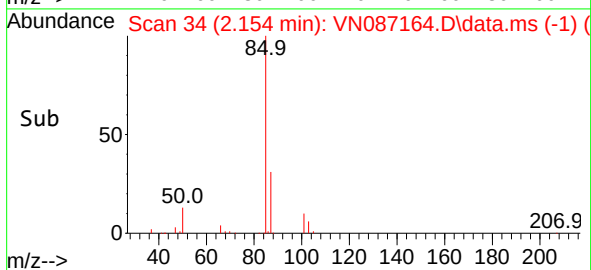
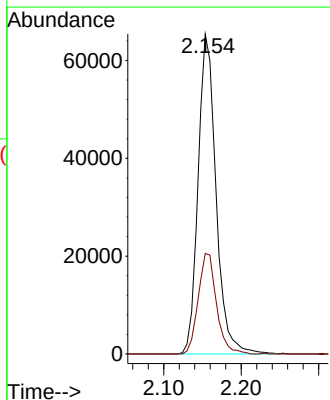
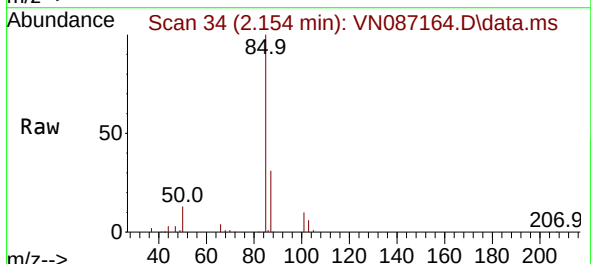
Manual Integrations
APPROVED

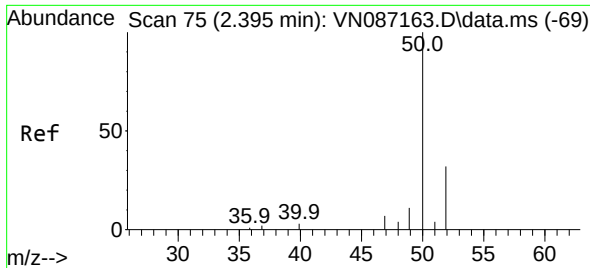
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#2
Dichlorodifluoromethane
Concen: 42.607 ug/l
RT: 2.154 min Scan# 34
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

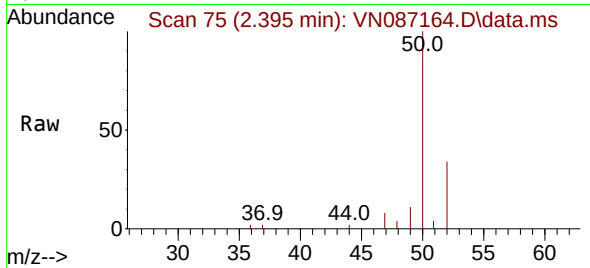
Tgt Ion: 85 Resp: 105036
Ion Ratio Lower Upper
85 100
87 31.4 16.7 50.0





#3
Chloromethane
Concen: 34.249 ug/l
RT: 2.395 min Scan# 75
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

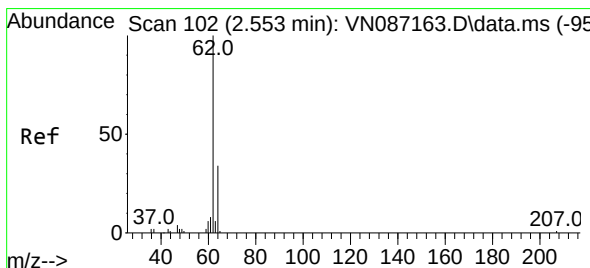
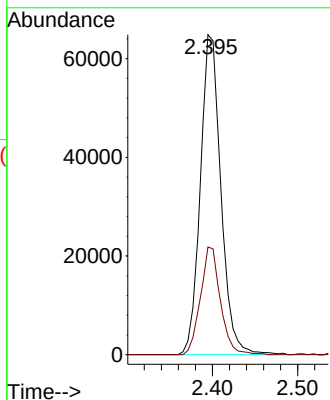
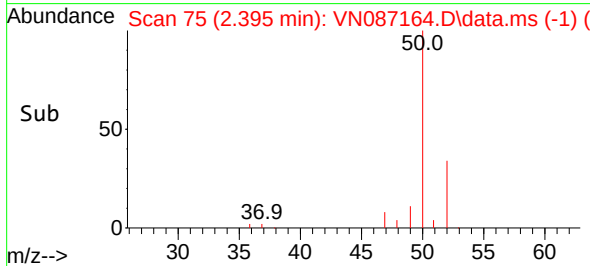
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



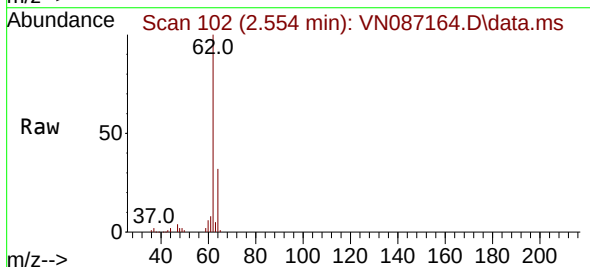
Tgt Ion: 50 Resp: 108859
Ion Ratio Lower Upper
50 100
52 33.7 25.9 38.9

Manual Integrations
APPROVED

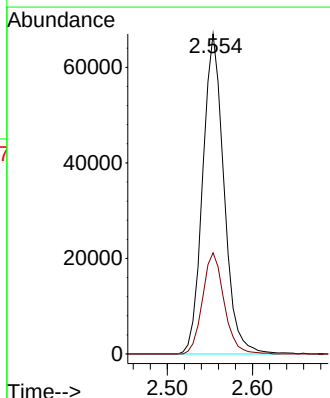
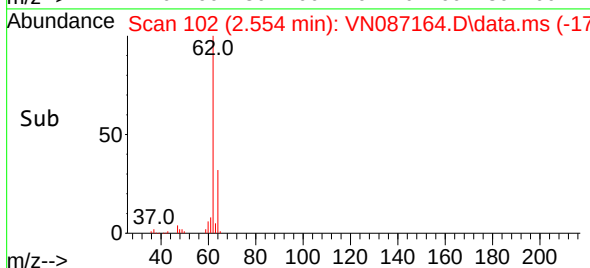
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

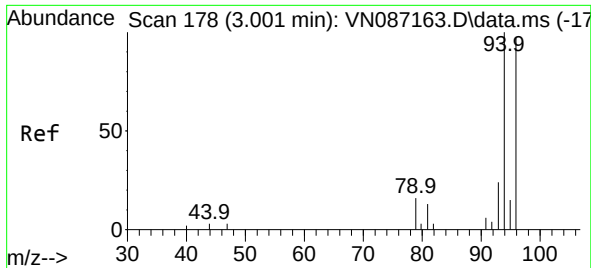


#4
Vinyl Chloride
Concen: 39.759 ug/l
RT: 2.554 min Scan# 102
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41



Tgt Ion: 62 Resp: 116298
Ion Ratio Lower Upper
62 100
64 31.6 27.4 41.2





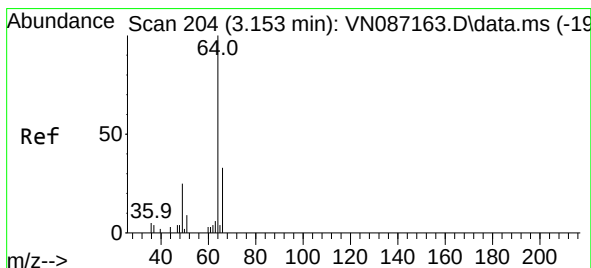
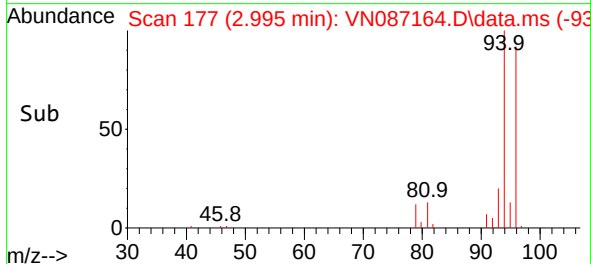
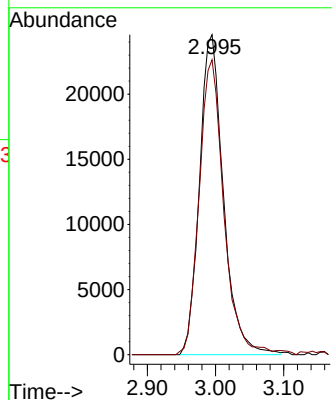
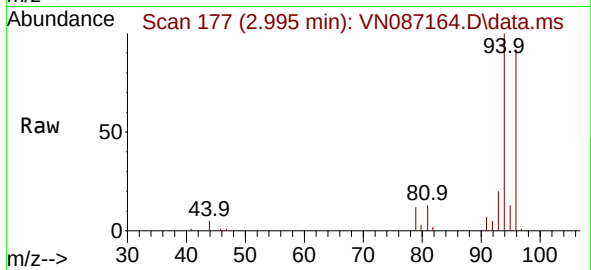
#5
Bromomethane
Concen: 38.638 ug/l
RT: 2.995 min Scan# 178
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 94 Resp: 5988
Ion Ratio Lower Upper
94 100
96 91.1 77.9 116.9

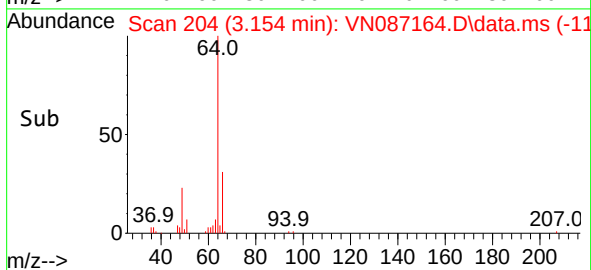
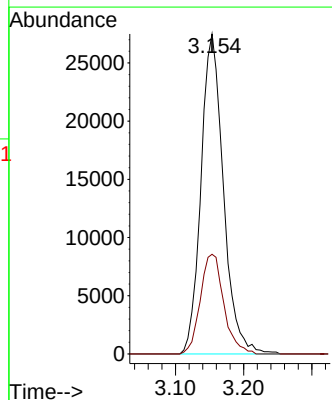
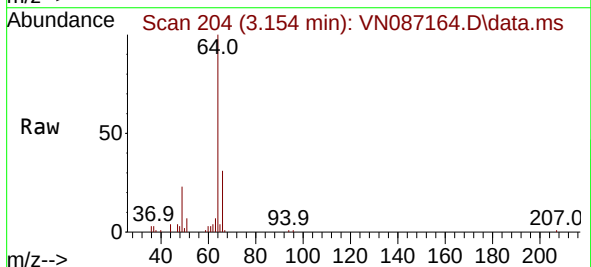
Manual Integrations
APPROVED

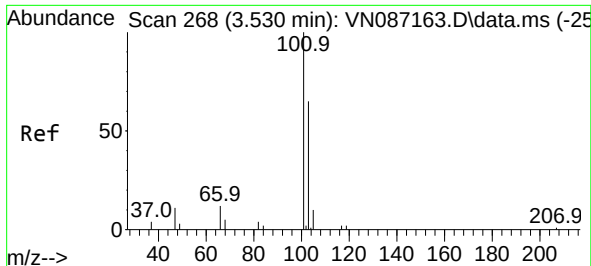
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#6
Chloroethane
Concen: 35.158 ug/l
RT: 3.154 min Scan# 204
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

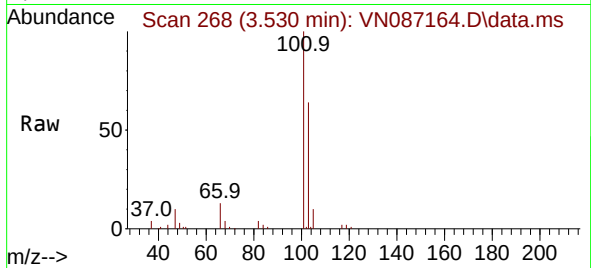
Tgt Ion: 64 Resp: 62900
Ion Ratio Lower Upper
64 100
66 31.2 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 42.068 ug/l
 RT: 3.530 min Scan# 268
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

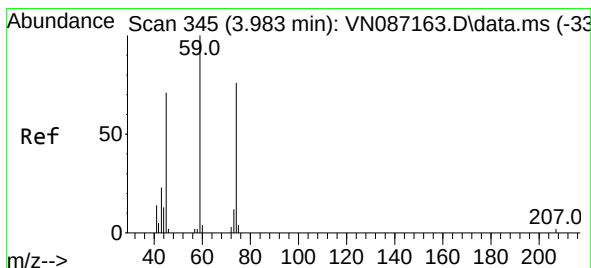
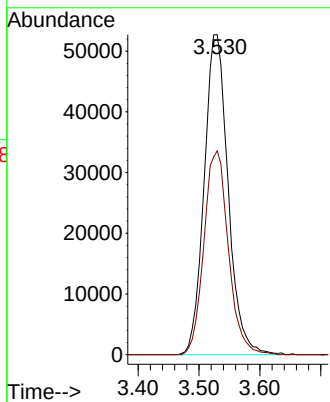
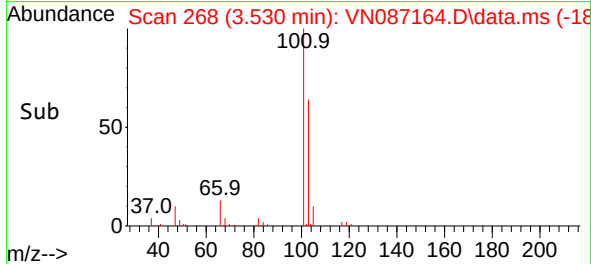
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion: 101 Resp: 14412
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.8 77.8

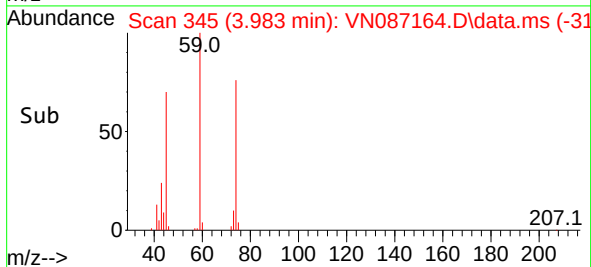
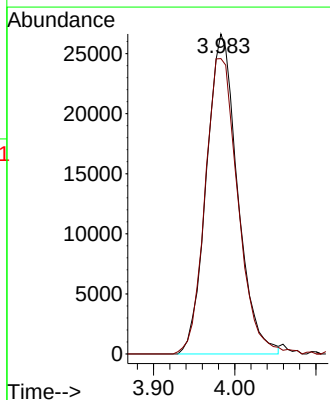
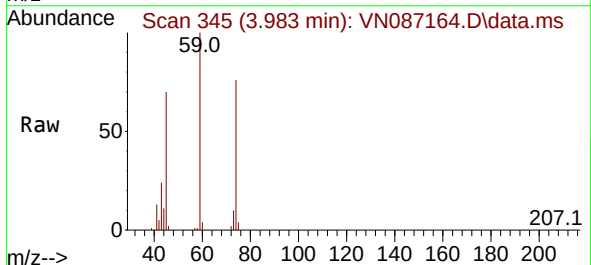
Manual Integrations
 APPROVED

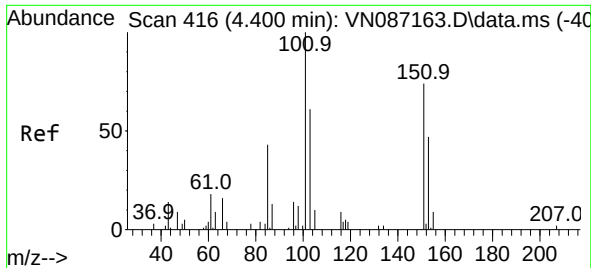
Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/26/2025



#8
 Diethyl Ether
 Concen: 49.590 ug/l
 RT: 3.983 min Scan# 345
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

Tgt Ion: 74 Resp: 70868
 Ion Ratio Lower Upper
 74 100
 45 96.9 19.0 171.0





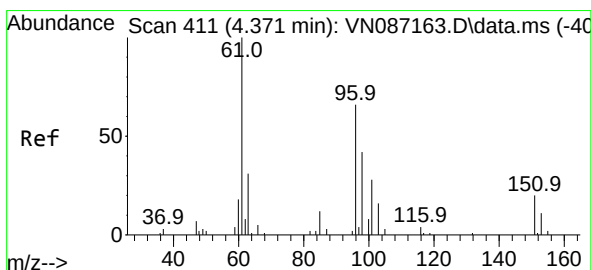
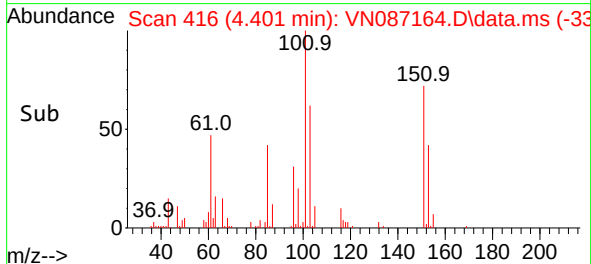
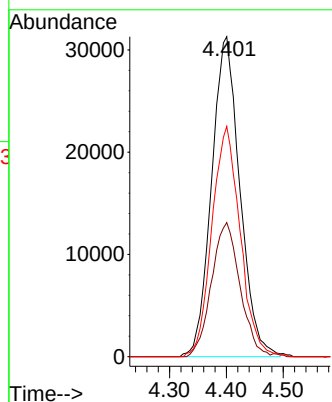
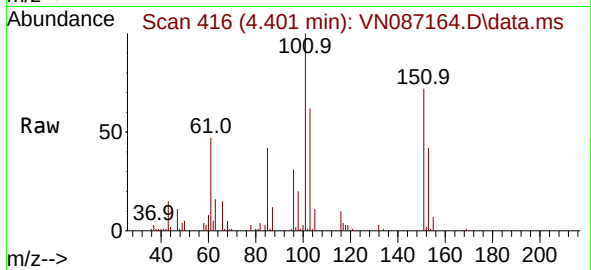
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.509 ug/l
 RT: 4.401 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion:101 Resp: 108149
 Ion Ratio Lower Upper
 101 100
 85 42.2 0.0 40.6
 151 71.9 0.0 141.2

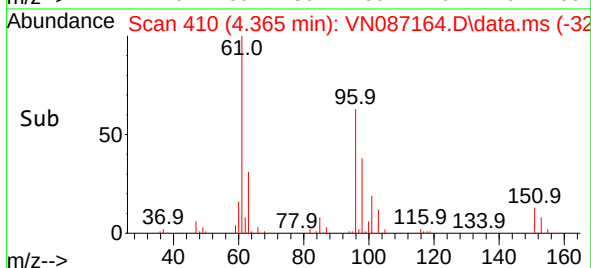
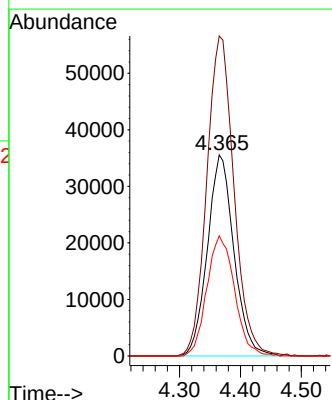
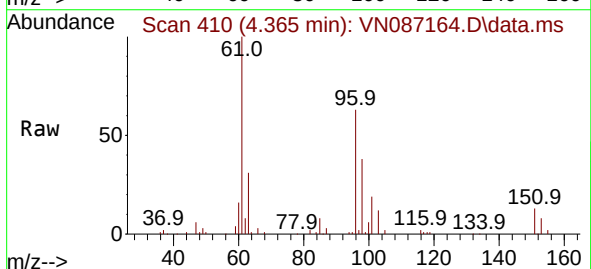
Manual Integrations
 APPROVED

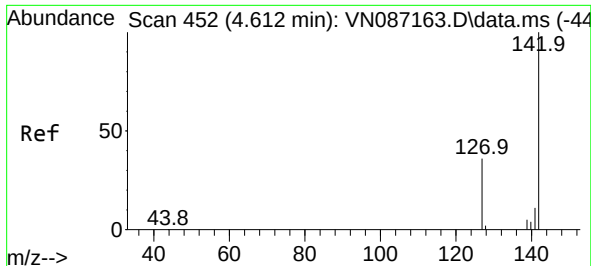
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#10
 1,1-Dichloroethene
 Concen: 50.276 ug/l
 RT: 4.365 min Scan# 410
 Delta R.T. -0.006 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

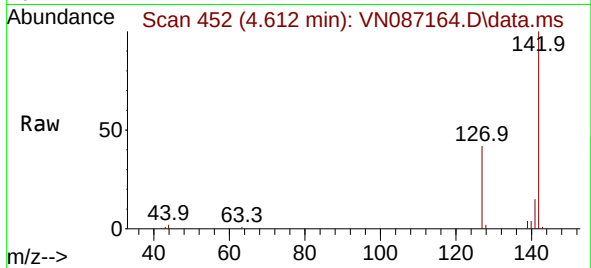
Tgt Ion: 96 Resp: 107618
 Ion Ratio Lower Upper
 96 100
 61 158.6 122.0 183.0
 98 59.8 50.3 75.5





#11
Methyl Iodide
Concen: 41.585 ug/l
RT: 4.612 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

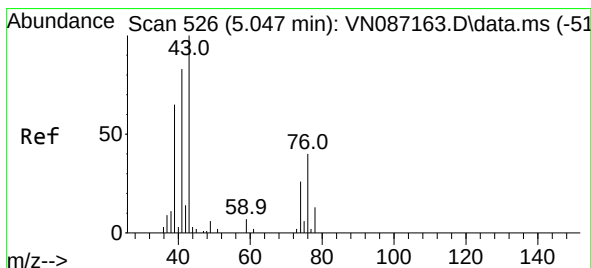
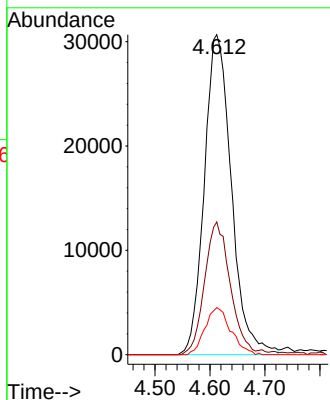
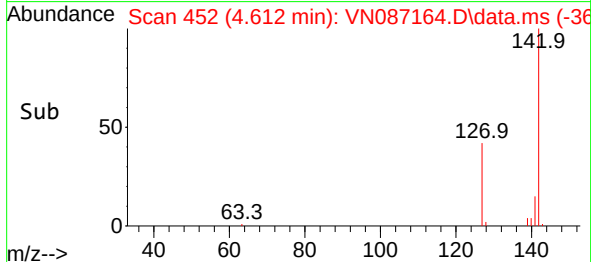
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:142 Resp: 104934
Ion Ratio Lower Upper
142 100
127 41.5 18.1 54.1
141 14.8 5.7 17.1

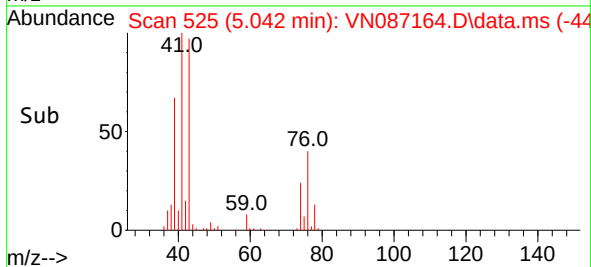
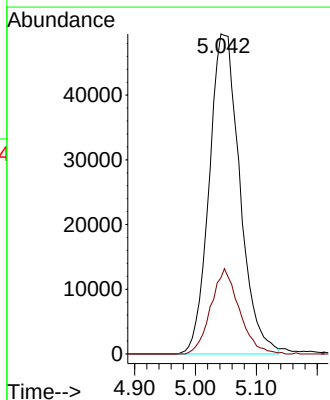
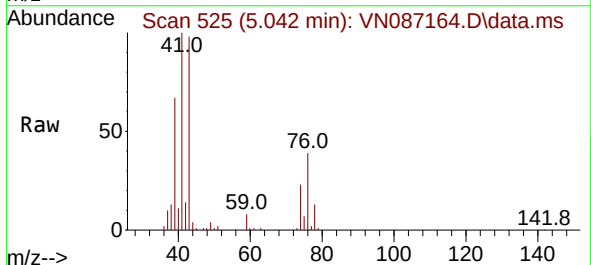
Manual Integrations
APPROVED

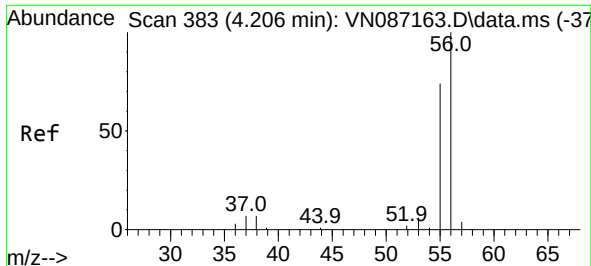
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#12
Methyl Acetate
Concen: 72.704 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

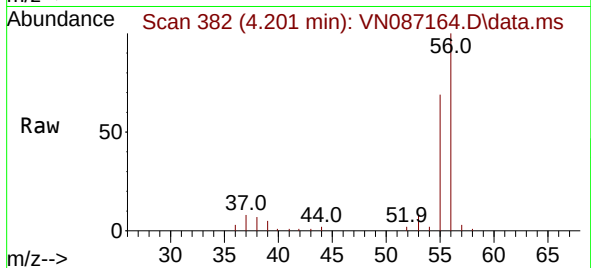
Tgt Ion: 43 Resp: 172834
Ion Ratio Lower Upper
43 100
74 23.8 20.3 30.5





#13
Acrolein
Concen: 500.718 ug/l
RT: 4.201 min Scan# 382
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

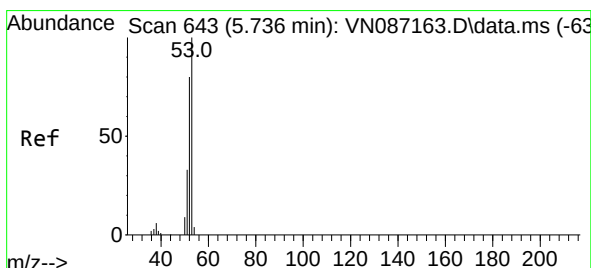
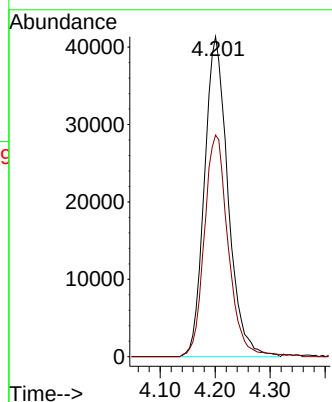
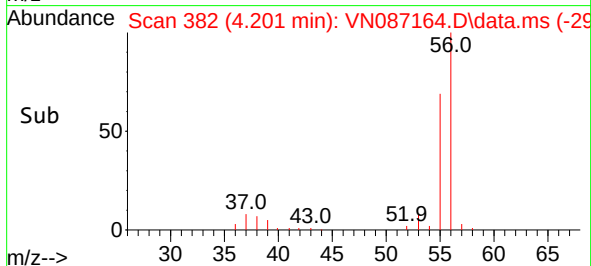
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 56 Resp: 12296
Ion Ratio Lower Upper
56 100
55 69.5 55.7 83.5

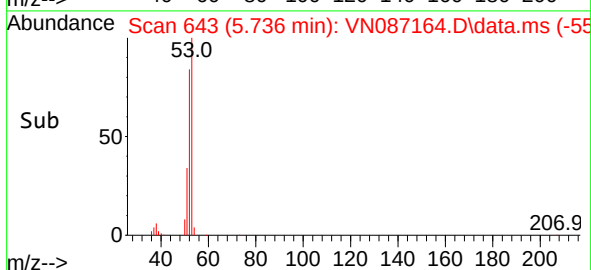
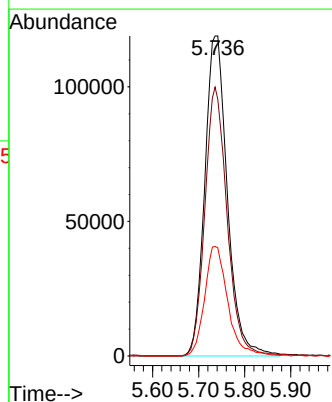
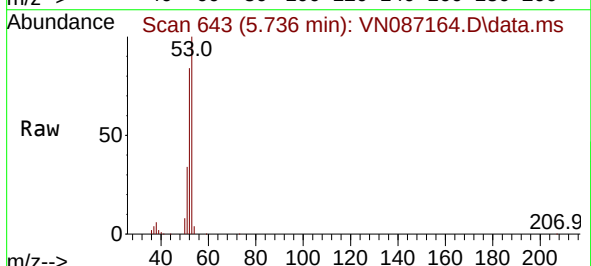
Manual Integrations
APPROVED

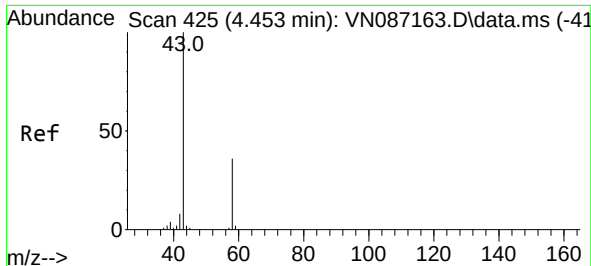
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#14
Acrylonitrile
Concen: 367.380 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

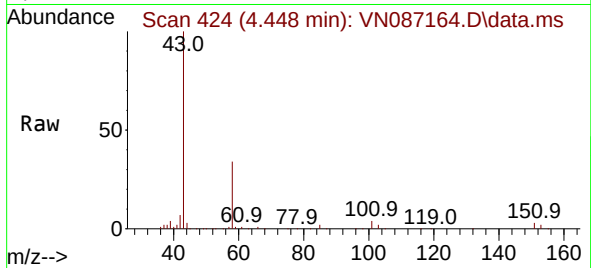
Tgt Ion: 53 Resp: 406413
Ion Ratio Lower Upper
53 100
52 82.6 40.5 121.5
51 35.0 16.9 50.7





#15
Acetone
Concen: 416.908 ug/l
RT: 4.448 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

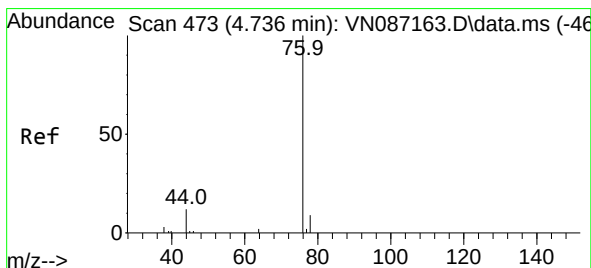
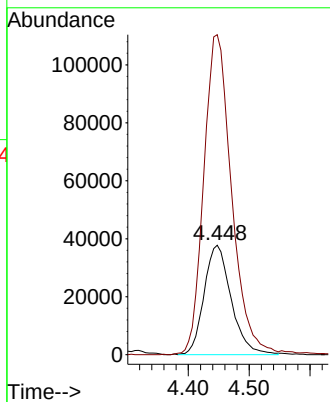
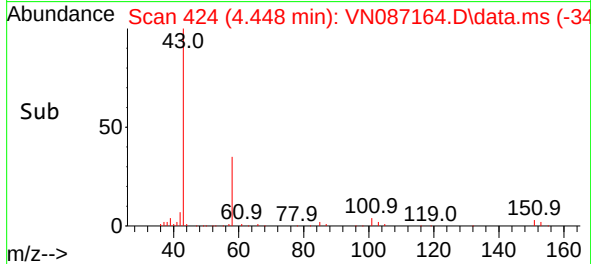
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 58 Resp: 116774
Ion Ratio Lower Upper
58 100
43 291.0 224.3 336.5

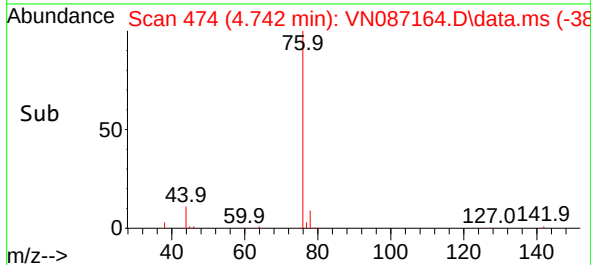
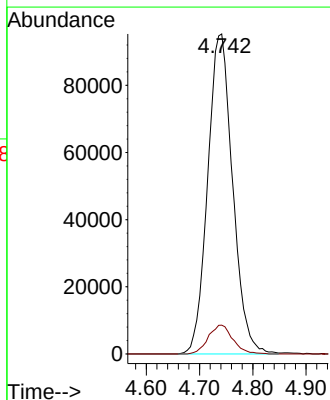
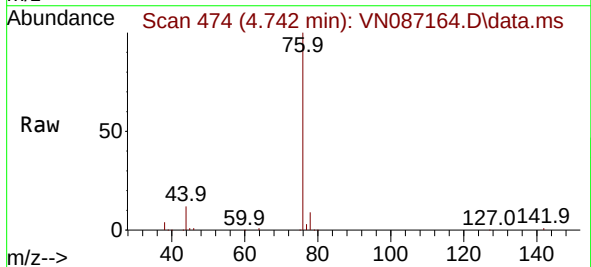
Manual Integrations
APPROVED

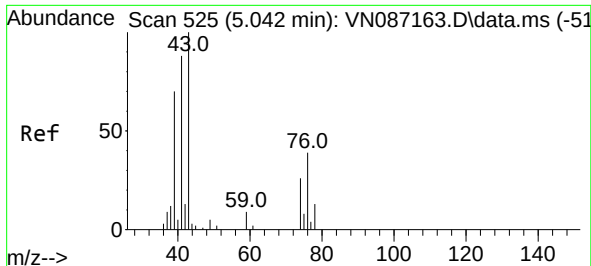
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#16
Carbon Disulfide
Concen: 49.627 ug/l
RT: 4.742 min Scan# 474
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

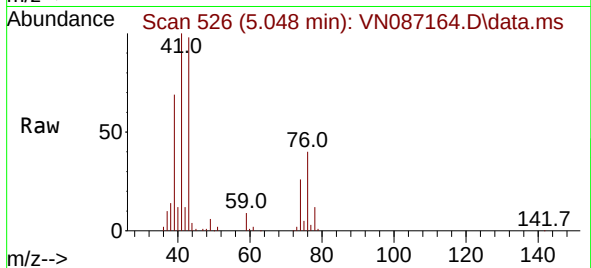
Tgt Ion: 76 Resp: 310088
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8





#17
 Allyl chloride
 Concen: 56.849 ug/l
 RT: 5.048 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

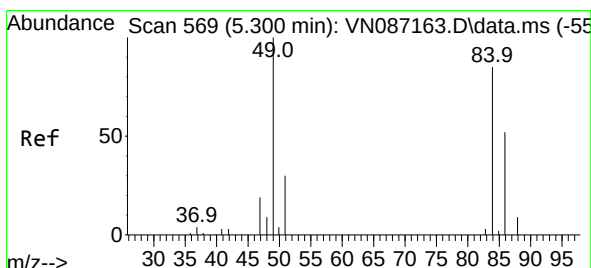
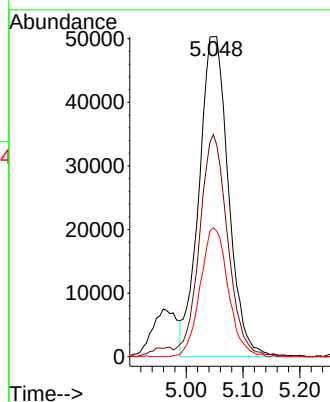
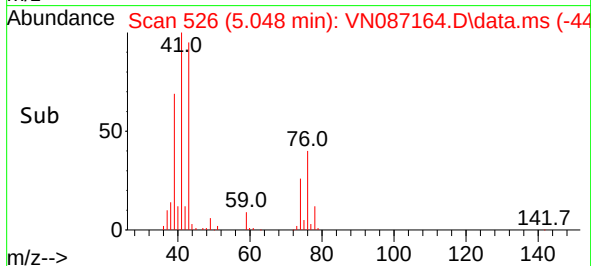
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion: 41 Resp: 18078
 Ion Ratio Lower Upper
 41 100
 39 69.2 36.0 108.0
 76 40.5 19.5 58.5

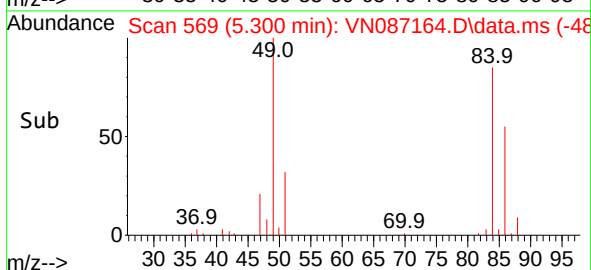
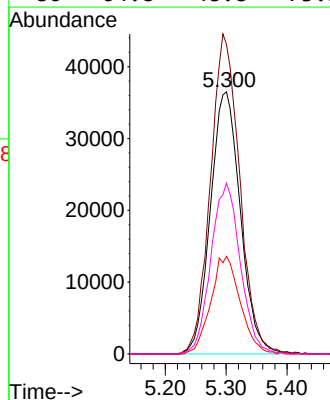
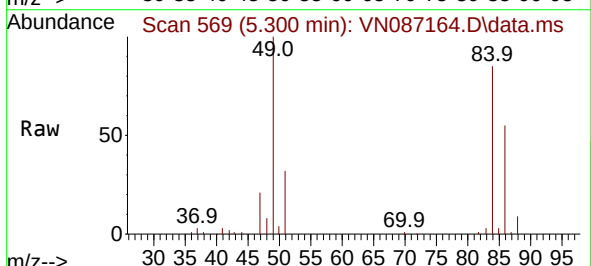
Manual Integrations
 APPROVED

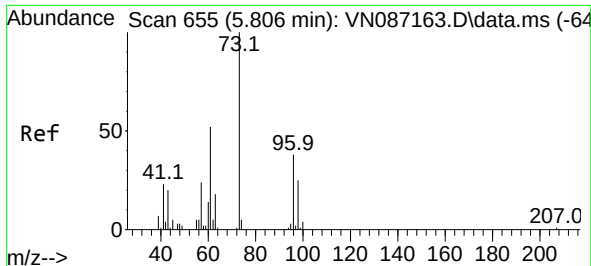
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#18
 Methylene Chloride
 Concen: 50.180 ug/l
 RT: 5.300 min Scan# 569
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

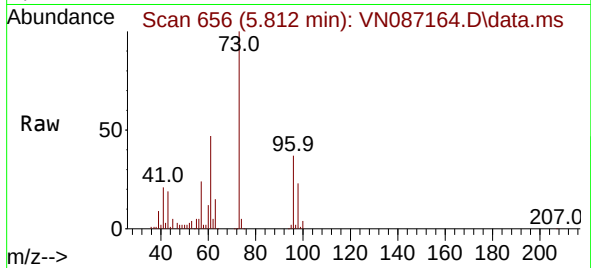
Tgt Ion: 84 Resp: 124740
 Ion Ratio Lower Upper
 84 100
 49 118.2 94.0 141.0
 51 37.2 28.3 42.5
 86 64.8 48.8 73.2





#19
trans-1,2-Dichloroethene
Concen: 52.785 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

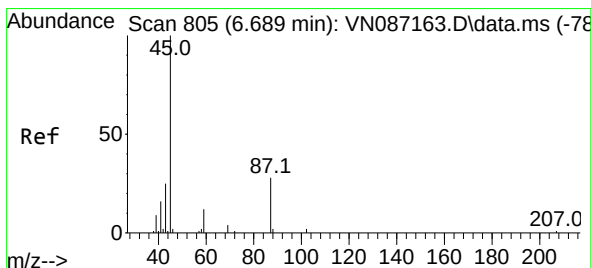
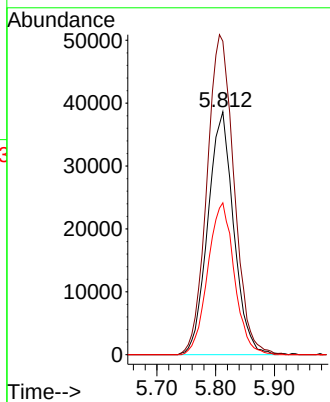
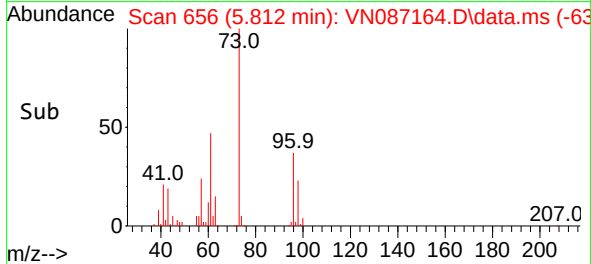
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 96 Resp: 118244
Ion Ratio Lower Upper
96 100
61 129.1 110.3 165.5
98 62.5 51.6 77.4

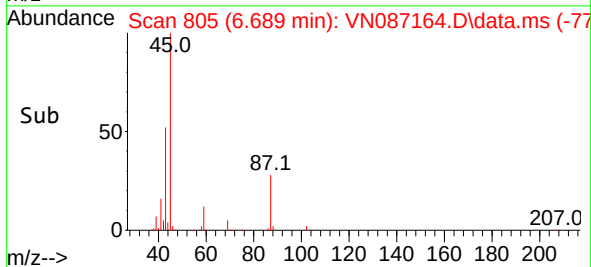
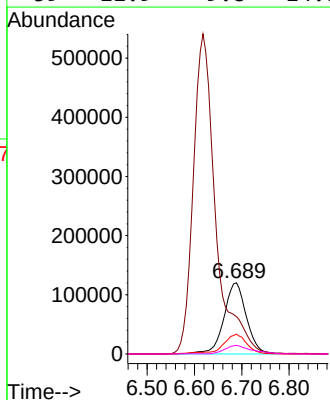
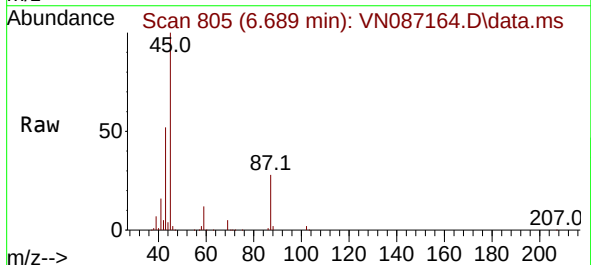
Manual Integrations
APPROVED

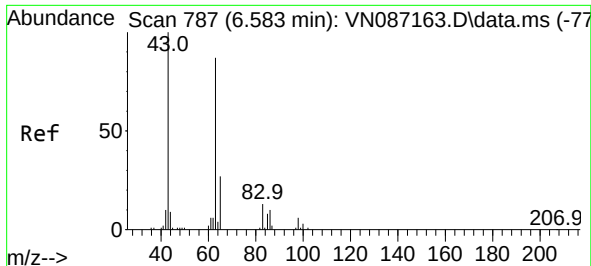
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#20
Diisopropyl ether
Concen: 56.488 ug/l
RT: 6.689 min Scan# 805
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

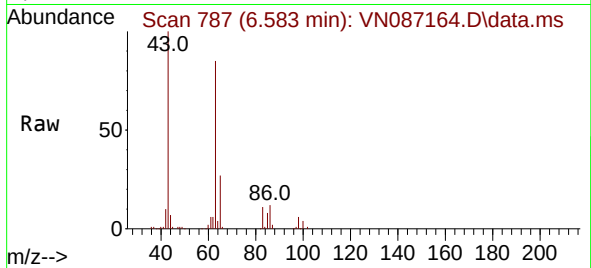
Tgt Ion: 45 Resp: 395621
Ion Ratio Lower Upper
45 100
43 51.0 45.3 67.9
87 27.6 22.6 33.8
59 11.9 9.8 14.8





#21
1,1-Dichloroethane
Concen: 53.322 ug/l
RT: 6.583 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

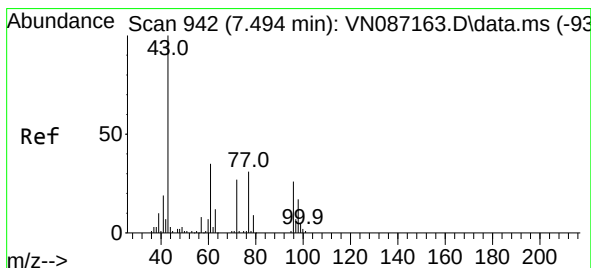
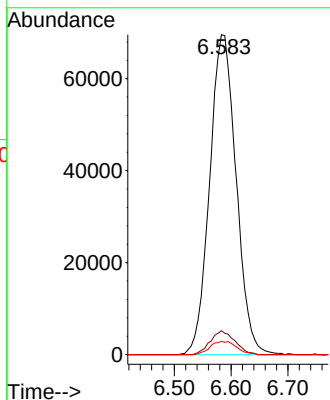
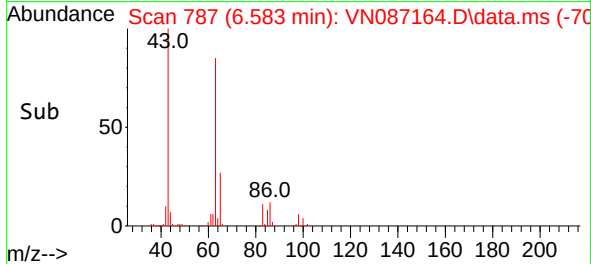
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 63 Resp: 225370
Ion Ratio Lower Upper
63 100
98 7.5 3.5 10.4
100 4.2 2.0 5.8

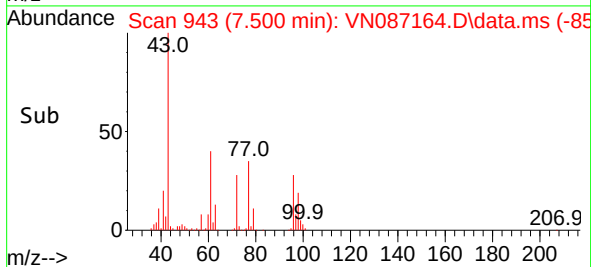
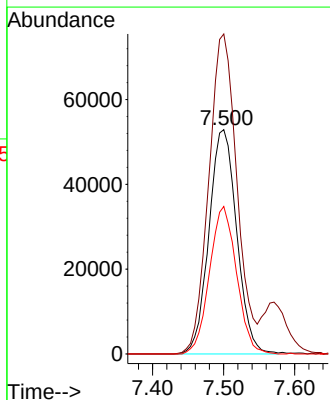
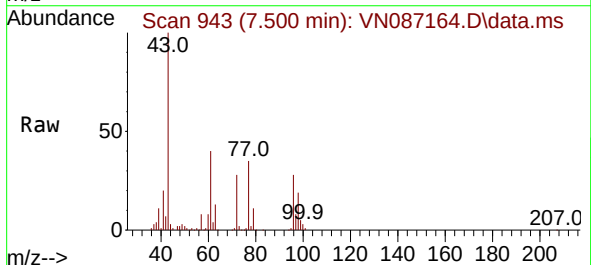
Manual Integrations
APPROVED

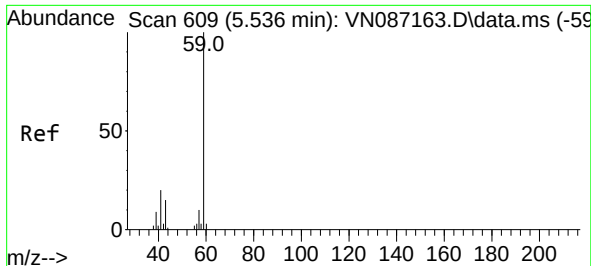
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#22
cis-1,2-Dichloroethene
Concen: 52.945 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

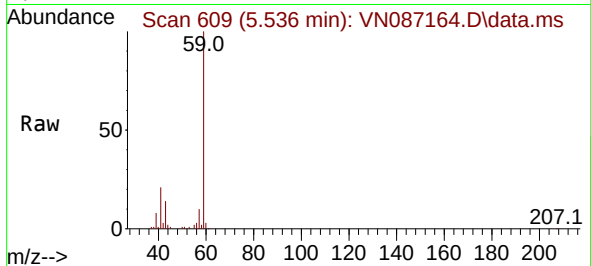
Tgt Ion: 96 Resp: 143629
Ion Ratio Lower Upper
96 100
61 144.8 119.2 178.8
98 64.0 50.6 75.8





#23
tert-Butyl Alcohol
Concen: 430.162 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

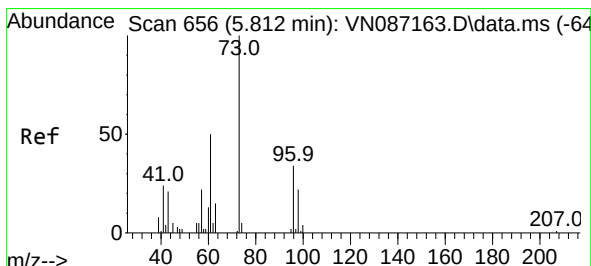
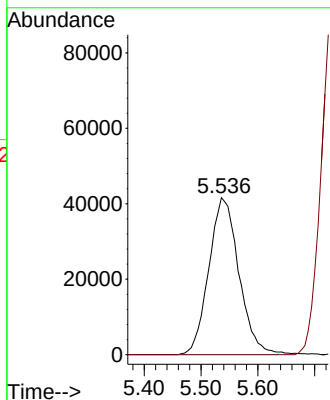
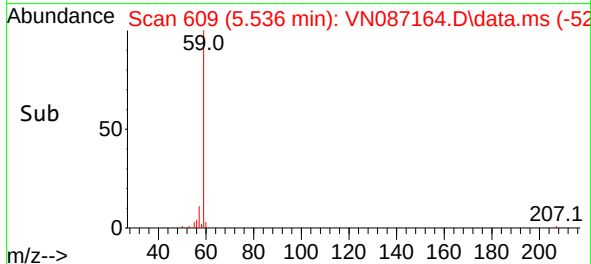
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



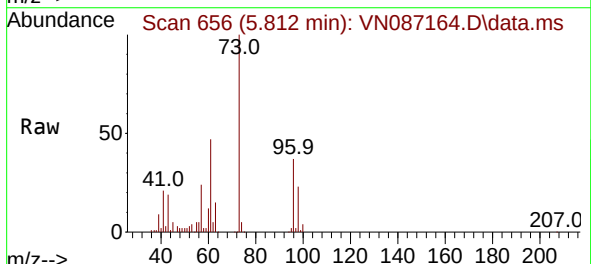
Tgt Ion: 59 Resp: 152814
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
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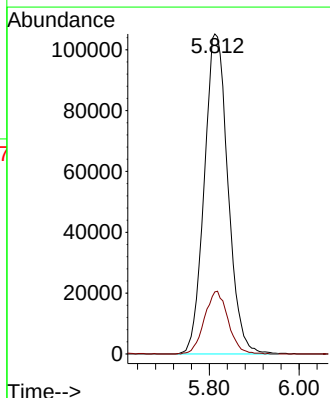
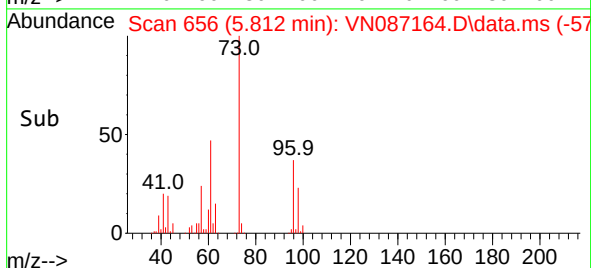
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

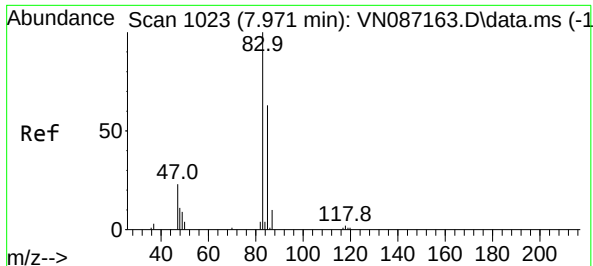


#24
Methyl tert-Butyl Ether
Concen: 54.681 ug/l
RT: 5.812 min Scan# 656
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41



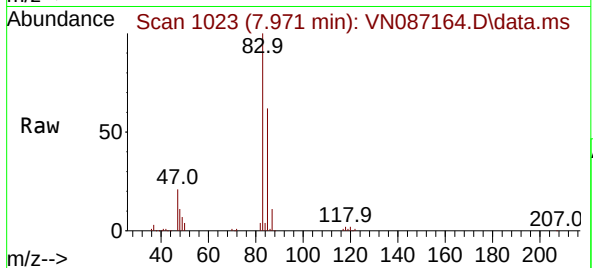
Tgt Ion: 73 Resp: 385760
Ion Ratio Lower Upper
73 100
43 19.5 16.4 24.6





#25
Chloroform
Concen: 53.512 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

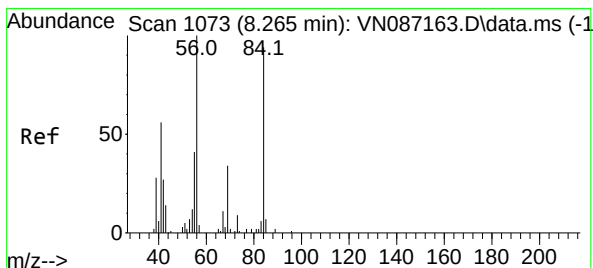
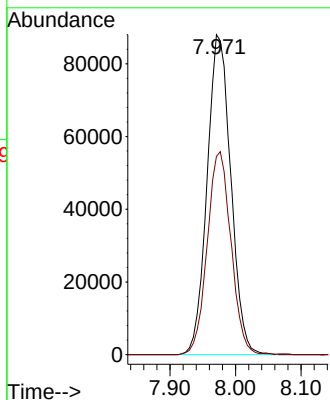
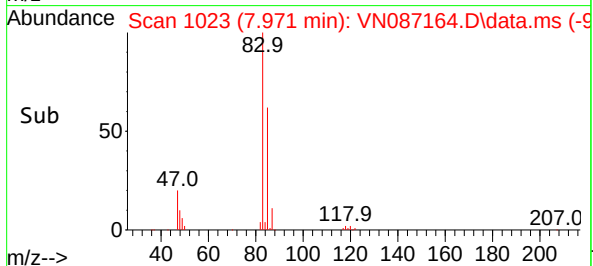
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



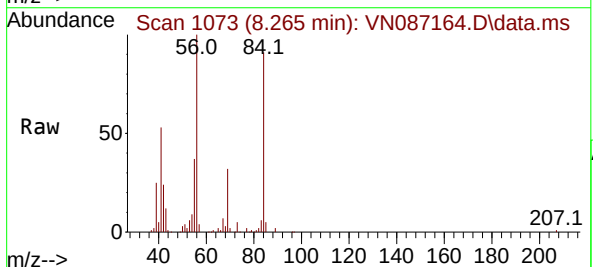
Tgt Ion: 83 Resp: 22137
Ion Ratio Lower Upper
83 100
85 61.9 50.7 76.1

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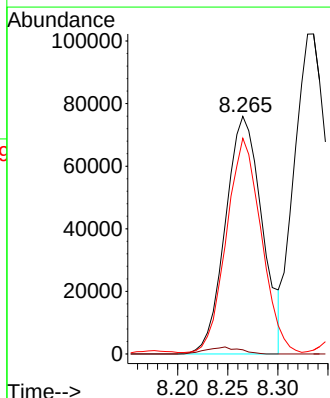
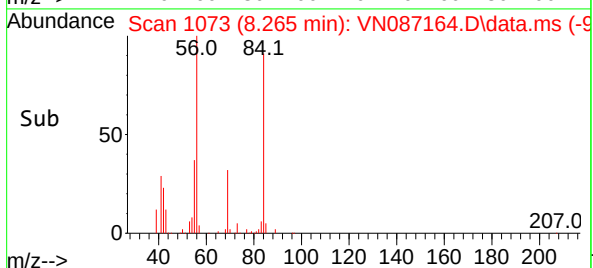
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

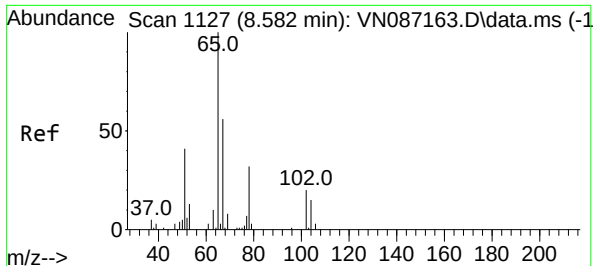


#26
Cyclohexane
Concen: 52.874 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41



Tgt Ion: 56 Resp: 193421
Ion Ratio Lower Upper
56 100
89 1.9 6.9 10.3#
84 86.9 69.1 103.7





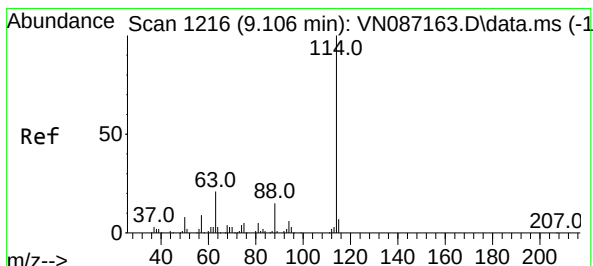
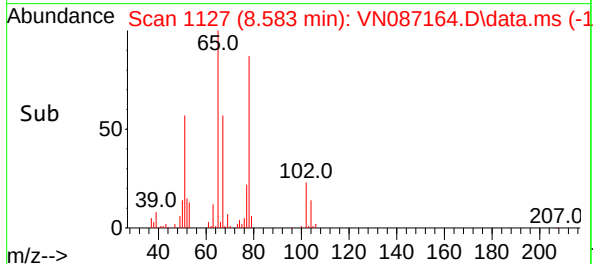
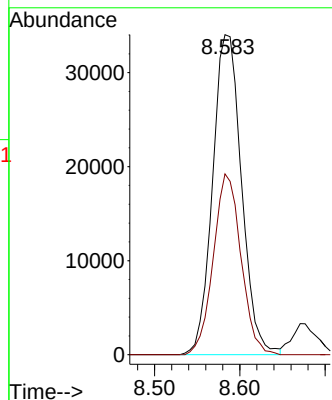
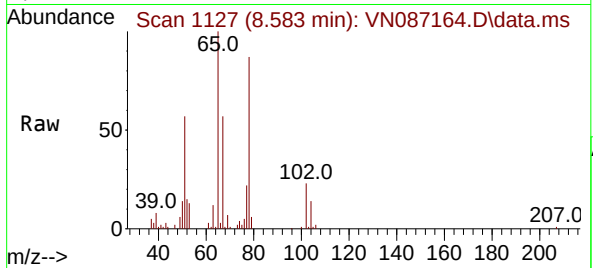
#27
1,2-Dichloroethane-d4
Concen: 32.174 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 65 Resp: 80238
Ion Ratio Lower Upper
65 100
67 54.0 41.9 62.9

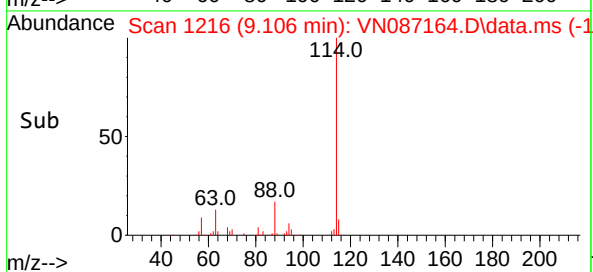
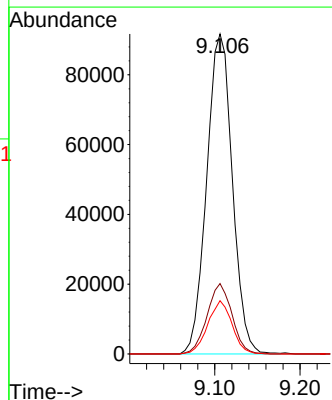
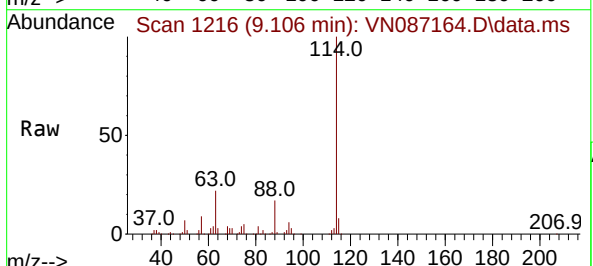
Manual Integrations
APPROVED

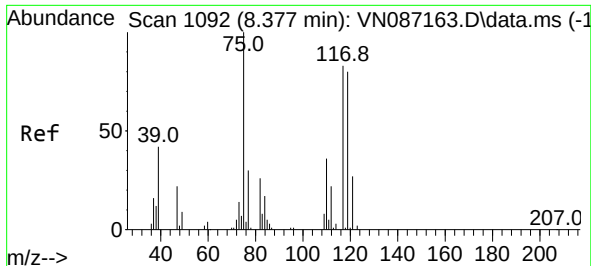
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion:114 Resp: 191792
Ion Ratio Lower Upper
114 100
63 21.3 17.0 25.4
88 15.7 12.6 19.0





#29
1,1-Dichloropropene
Concen: 56.923 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

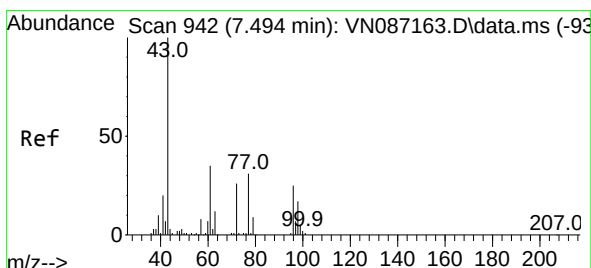
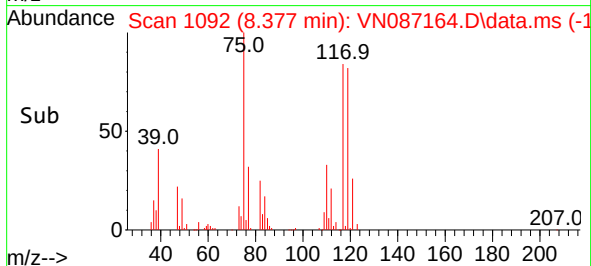
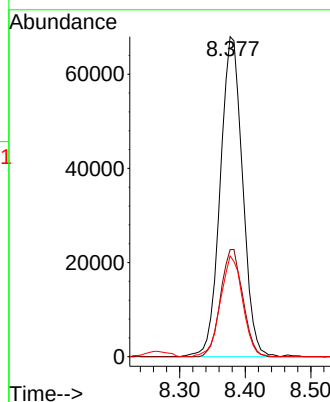
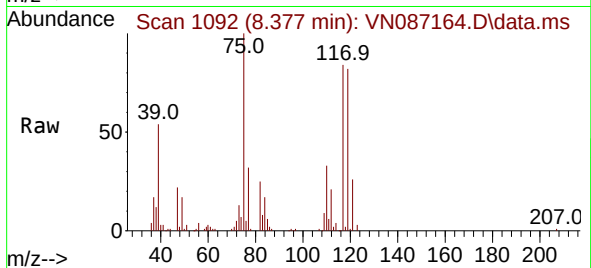
Tgt Ion: 75 Resp: 16051
Ion Ratio Lower Upper
75 100
110 33.3 0.0 69.2
77 31.3 0.0 61.8

Manual Integrations

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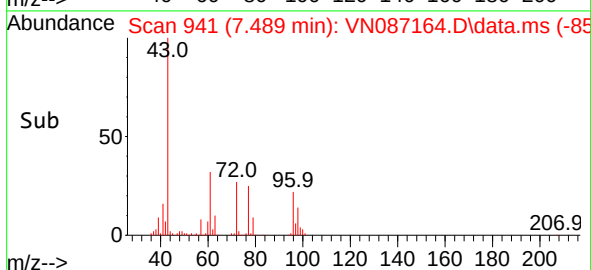
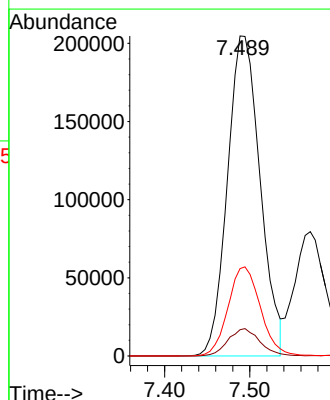
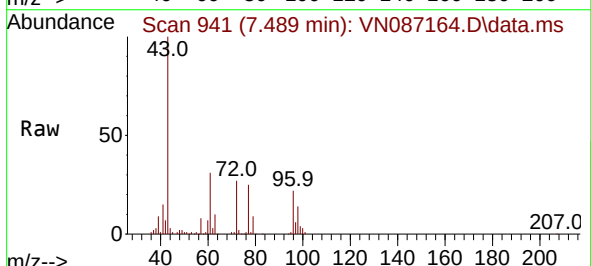
Reviewed By :John Carlone 06/25/2025

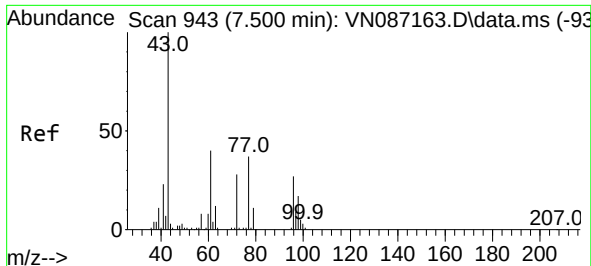
Supervised By :Mahesh Dadoda 06/26/2025



#30
2-Butanone
Concen: 442.524 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 43 Resp: 546757
Ion Ratio Lower Upper
43 100
57 8.3 6.3 9.5
72 27.6 21.8 32.6





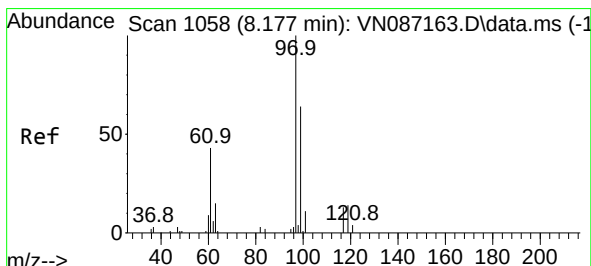
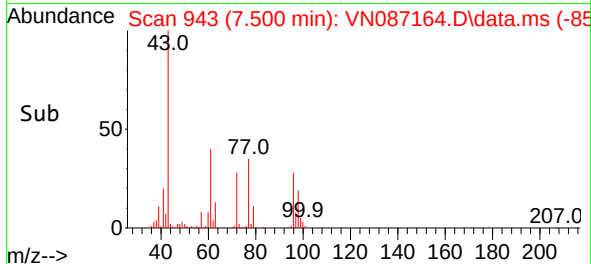
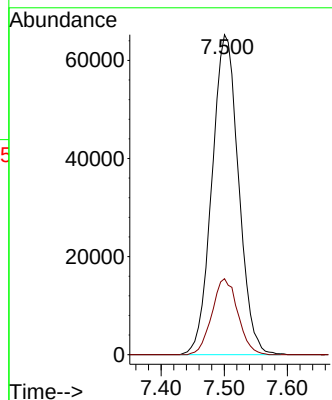
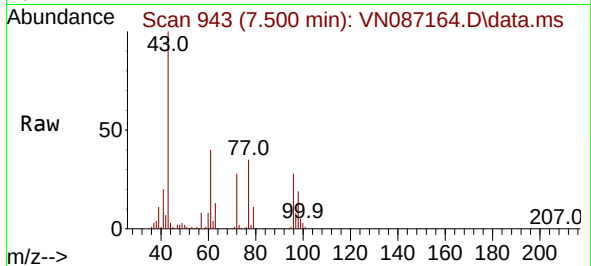
#31
2,2-Dichloropropane
Concen: 57.368 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 77 Resp: 190958
Ion Ratio Lower Upper
77 100
97 23.0 18.4 27.6

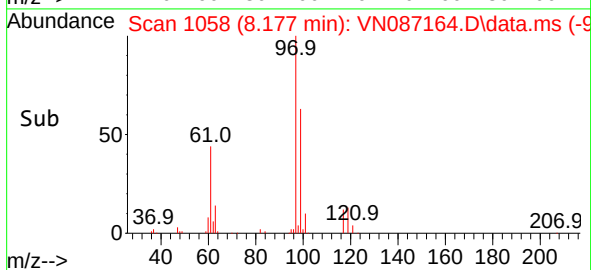
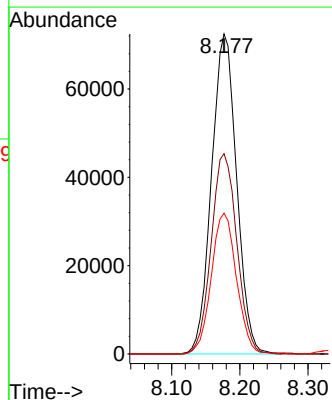
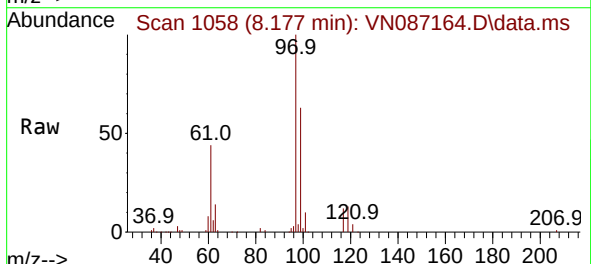
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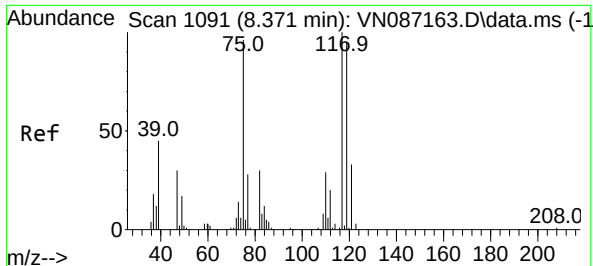
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#32
1,1,1-Trichloroethane
Concen: 56.894 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

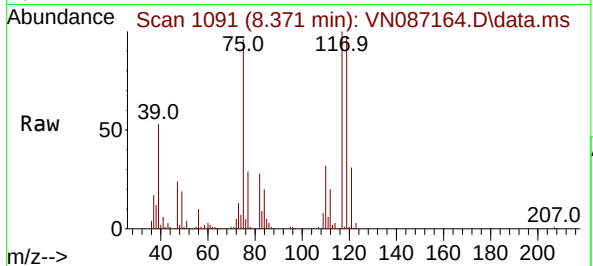
Tgt Ion: 97 Resp: 185977
Ion Ratio Lower Upper
97 100
99 64.1 50.8 76.2
61 44.1 36.1 54.1





#33
Carbon Tetrachloride
Concen: 54.893 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

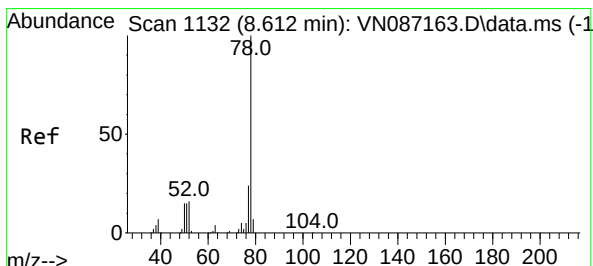
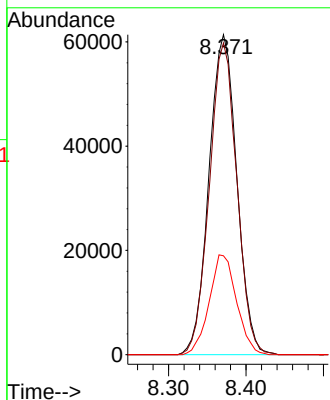
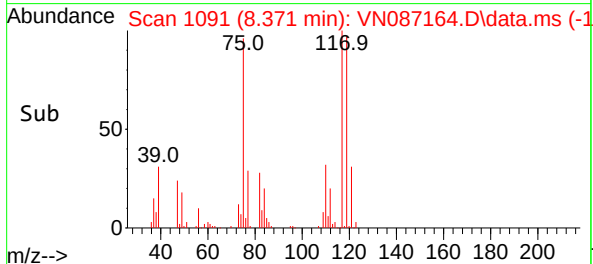
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:117 Resp: 153380
Ion Ratio Lower Upper
117 100
119 97.4 75.8 113.6
121 30.9 26.2 39.4

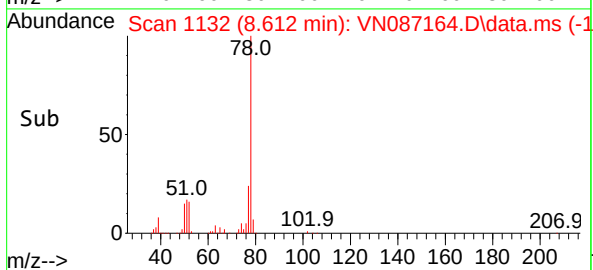
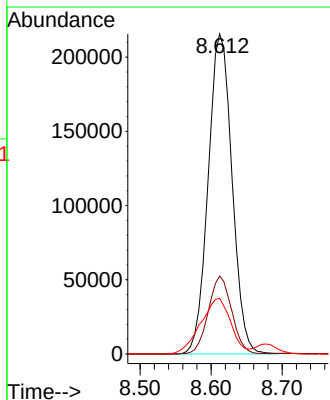
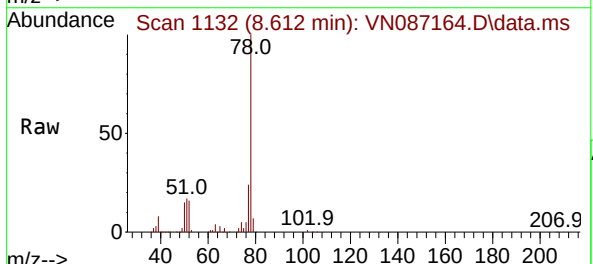
Manual Integrations
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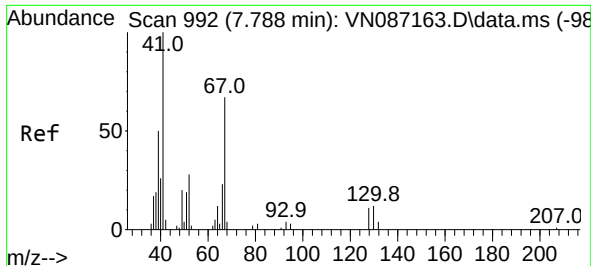
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#34
Benzene
Concen: 54.830 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

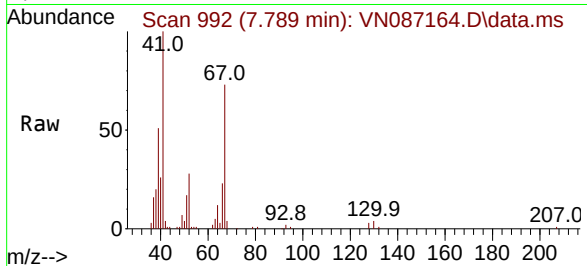
Tgt Ion: 78 Resp: 503072
Ion Ratio Lower Upper
78 100
77 24.3 19.5 29.3
51 16.6 14.8 22.2





#35
Methacrylonitrile
Concen: 76.961 ug/l
RT: 7.789 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

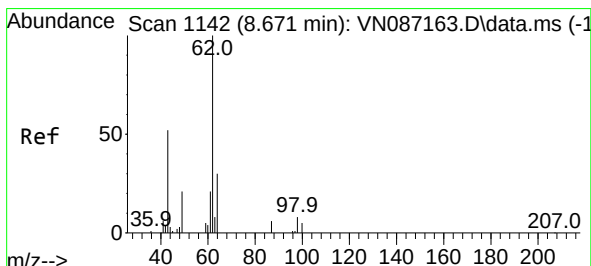
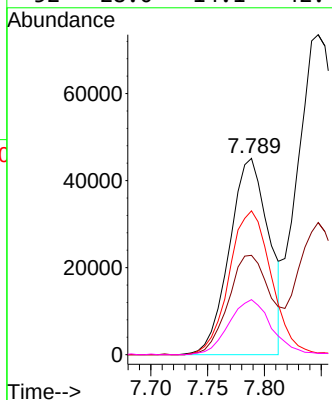
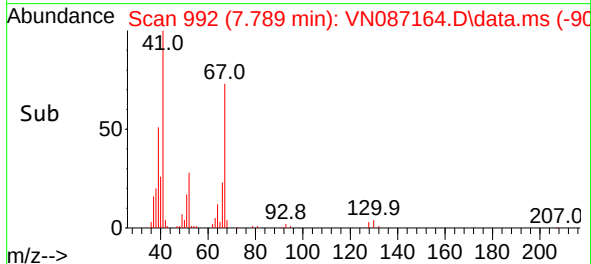
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 41 Resp: 109229
Ion Ratio Lower Upper
41 100
39 50.6 24.4 73.2
67 73.3 33.3 99.8
52 28.0 14.1 42.4

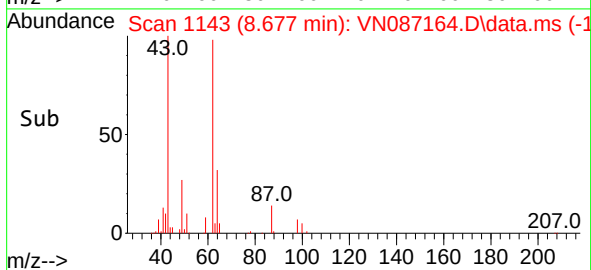
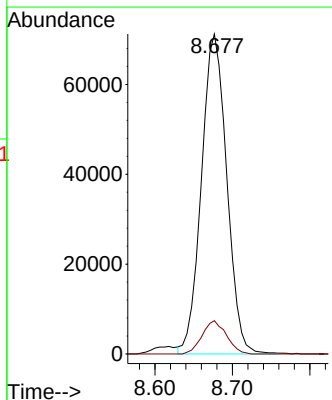
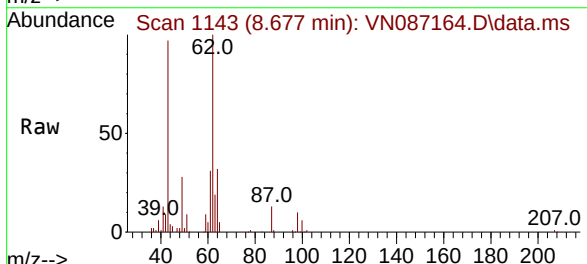
Manual Integrations
APPROVED

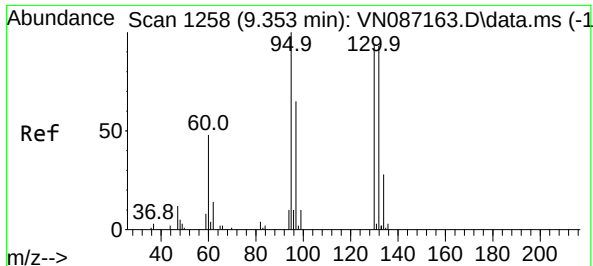
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#36
1,2-Dichloroethane
Concen: 60.234 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 62 Resp: 161947
Ion Ratio Lower Upper
62 100
98 9.9 7.2 10.8





#37

Trichloroethene

Concen: 44.156 ug/l

RT: 9.359 min Scan# 11237

Delta R.T. 0.006 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:130 Resp: 11237

Ion Ratio Lower Upper

130 100

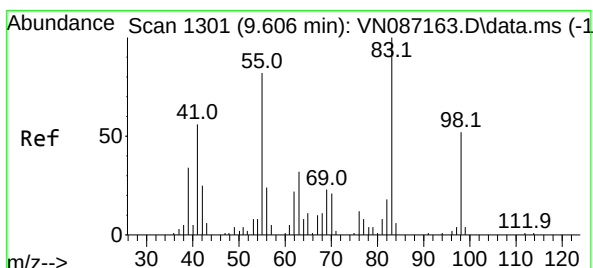
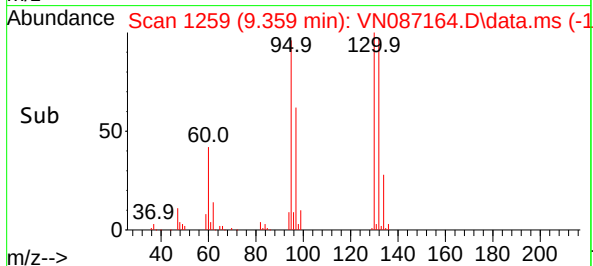
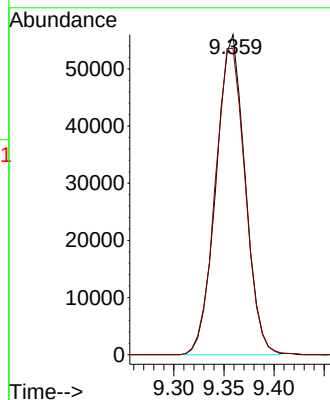
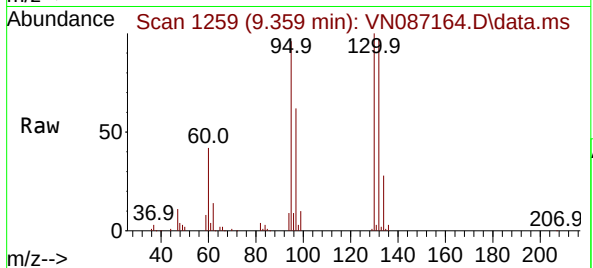
95 95.7 85.3 127.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#38

Methylcyclohexane

Concen: 54.486 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

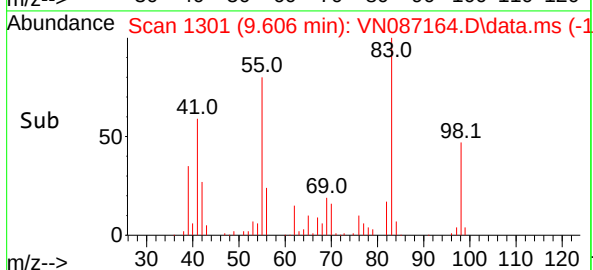
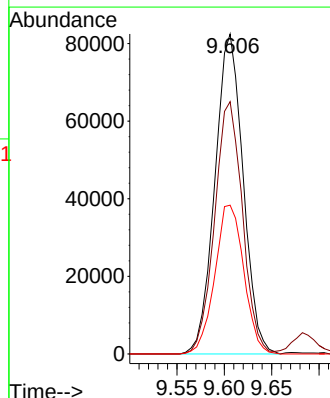
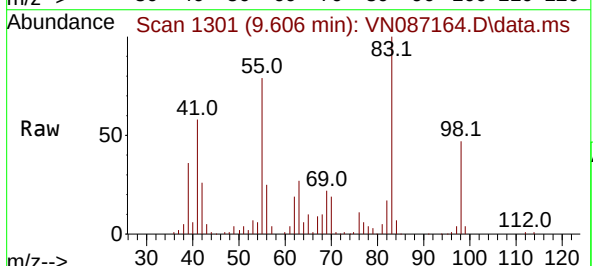
Tgt Ion: 83 Resp: 170475

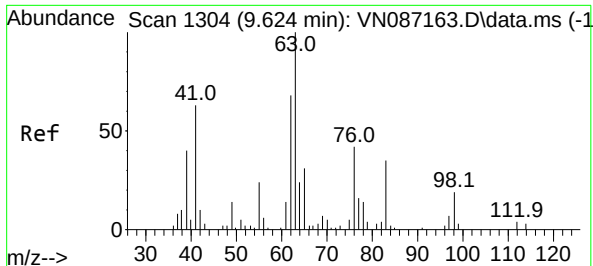
Ion Ratio Lower Upper

83 100

55 78.1 40.1 120.2

98 47.9 24.4 73.2





#39

1,2-Dichloropropane

Concen: 53.402 ug/l

RT: 9.624 min Scan# 117960

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 63 Resp: 117960

Ion Ratio Lower Upper

63 100

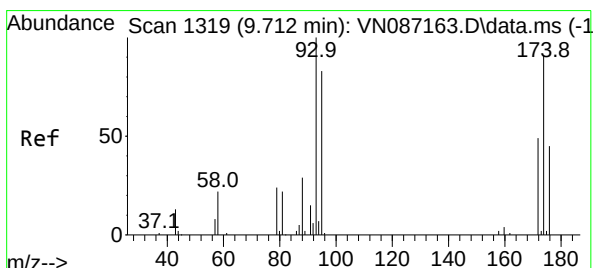
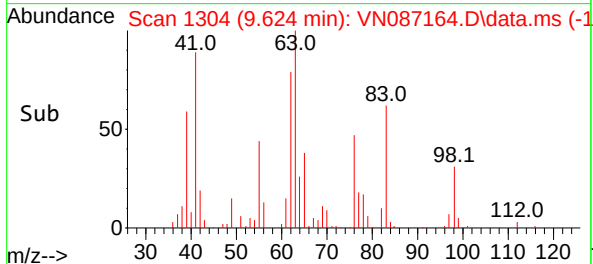
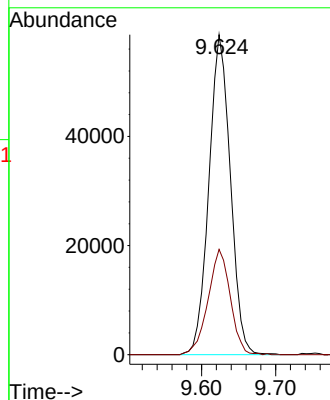
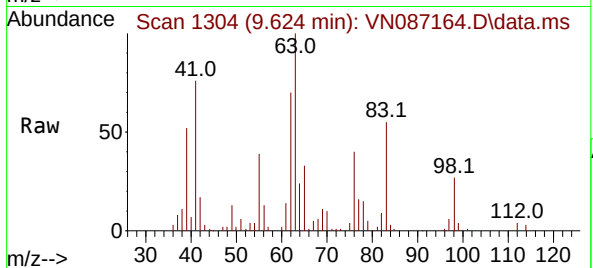
65 32.9 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#40

Dibromomethane

Concen: 57.075 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

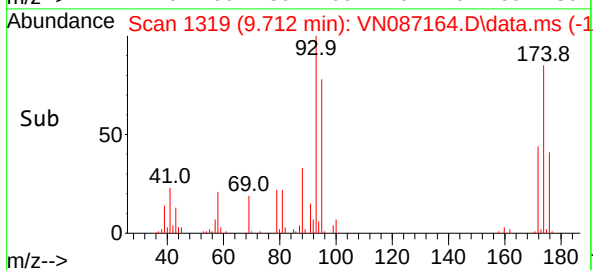
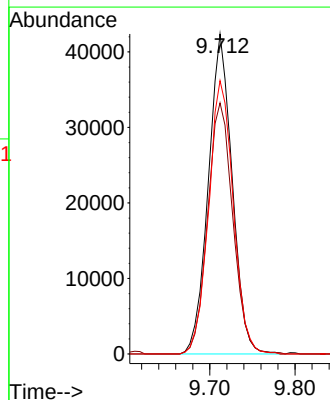
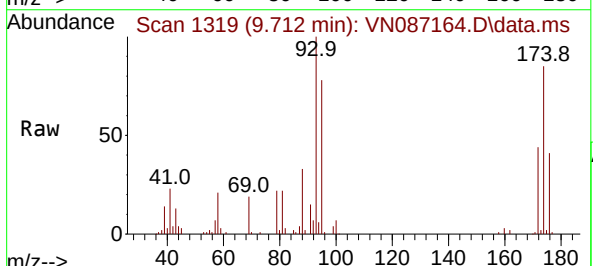
Tgt Ion: 93 Resp: 82459

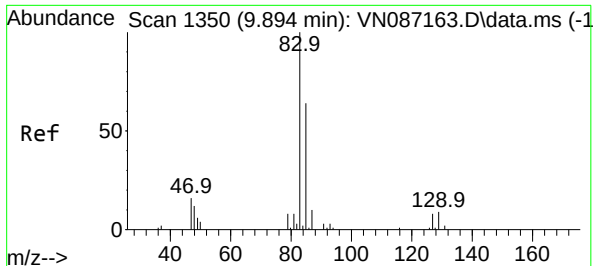
Ion Ratio Lower Upper

93 100

95 83.0 0.0 170.8

174 88.4 0.0 176.6





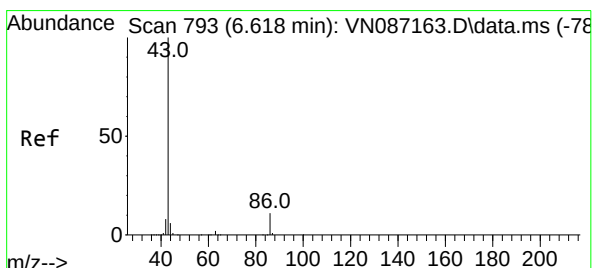
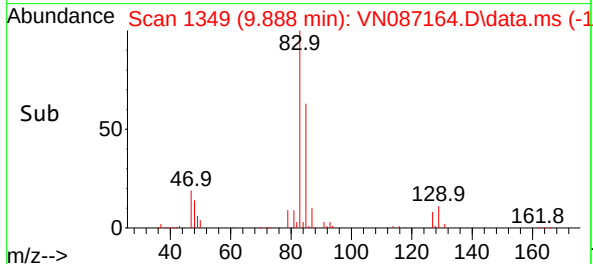
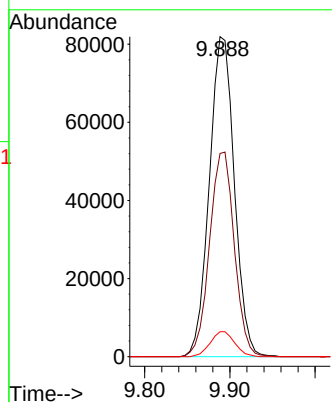
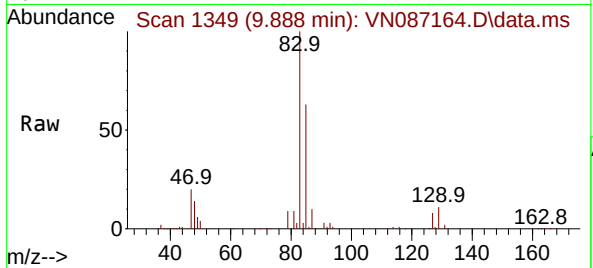
#41
Bromodichloromethane
Concen: 55.227 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 83 Resp: 167010
Ion Ratio Lower Upper
83 100
85 63.5 51.4 77.2
127 7.8 6.1 9.1

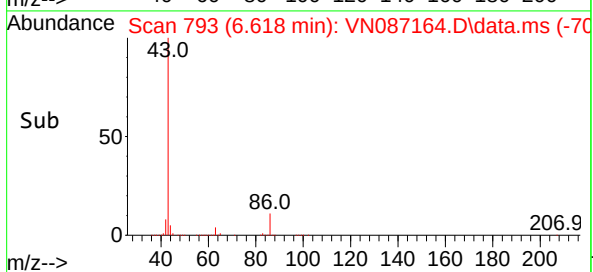
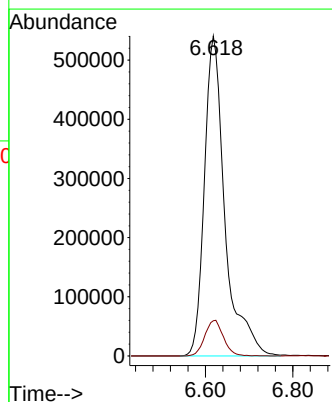
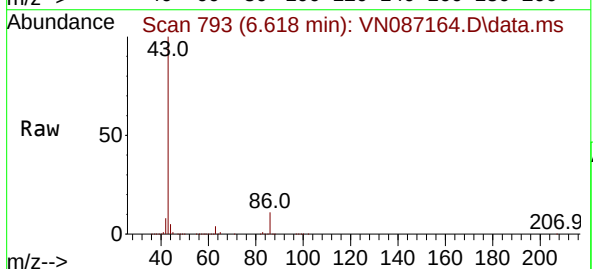
Manual Integrations
APPROVED

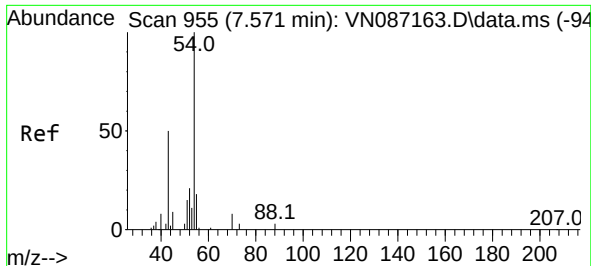
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#42
Vinyl Acetate
Concen: 491.503 ug/l
RT: 6.618 min Scan# 793
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

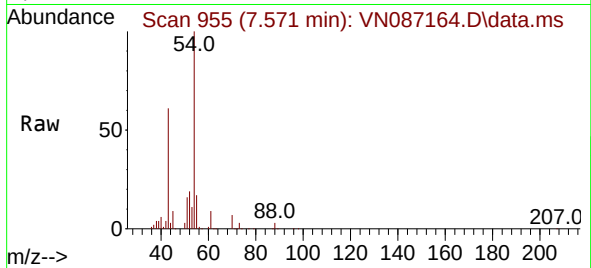
Tgt Ion: 43 Resp: 1770137
Ion Ratio Lower Upper
43 100
86 10.1 7.7 11.5





#43
Ethyl Acetate
Concen: 82.779 ug/l
RT: 7.571 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

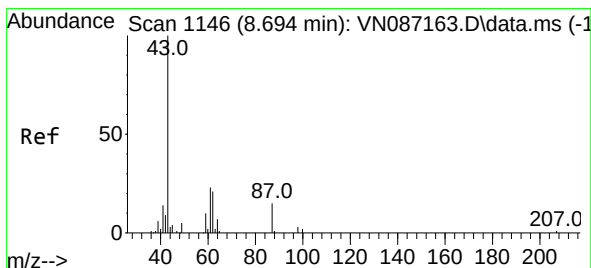
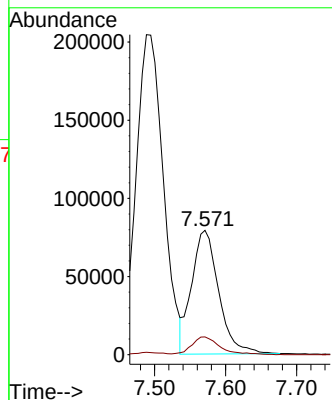
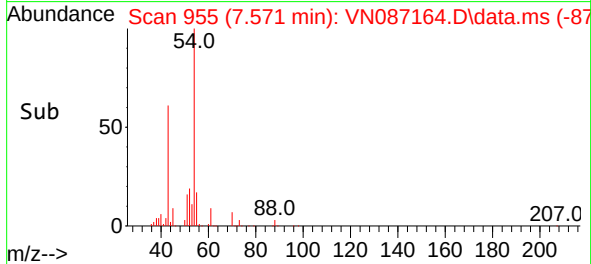
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



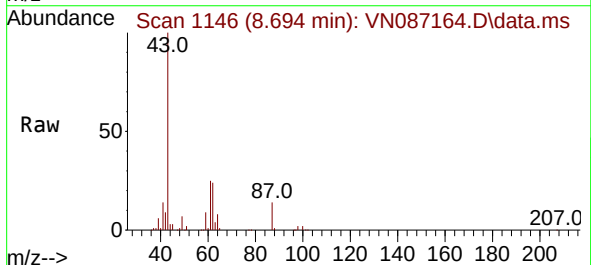
Tgt Ion: 43 Resp: 209283
Ion Ratio Lower Upper
43 100
45 15.0 11.5 17.3

Manual Integrations
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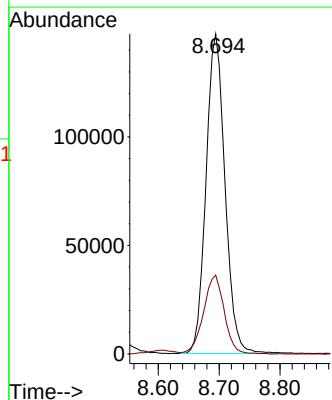
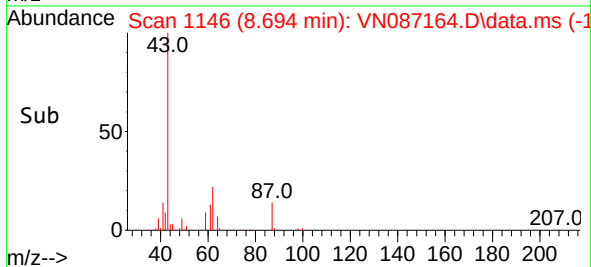
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

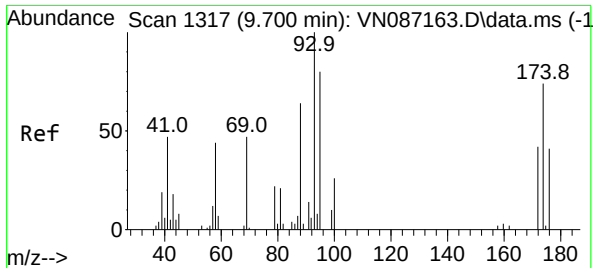


#44
Isopropyl Acetate
Concen: 73.455 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41



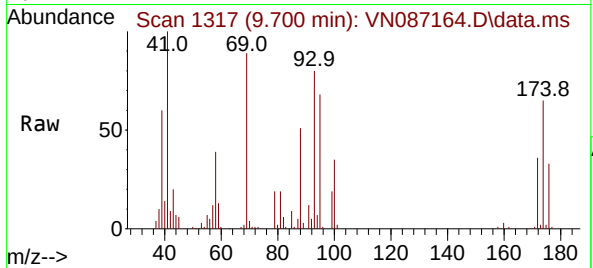
Tgt Ion: 43 Resp: 318572
Ion Ratio Lower Upper
43 100
61 26.9 20.5 30.7





#45
1,4-Dioxane
Concen: 1092.072 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

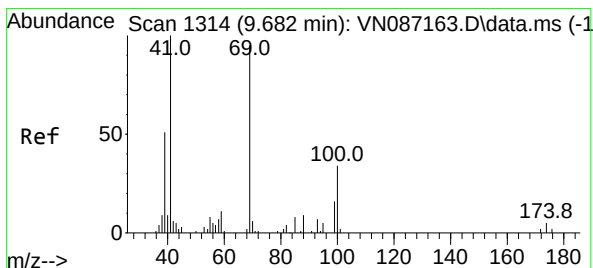
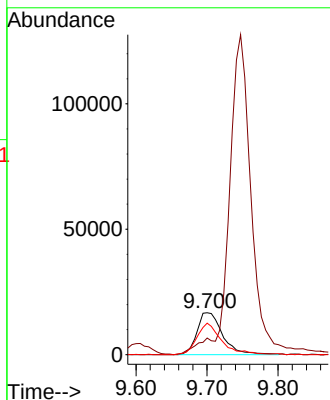
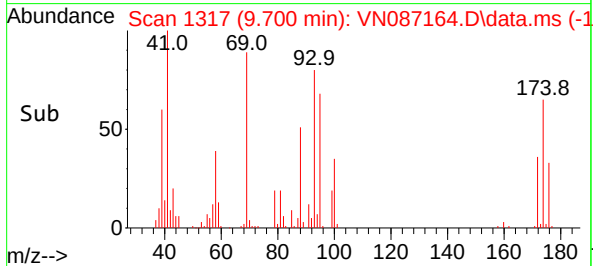
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



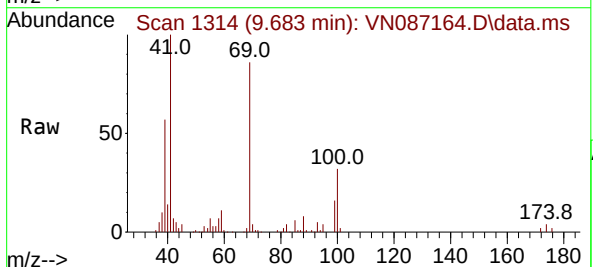
Tgt Ion: 88 Resp: 4209
Ion Ratio Lower Upper
88 100
43 29.8 21.3 31.9
58 67.9 61.7 92.5

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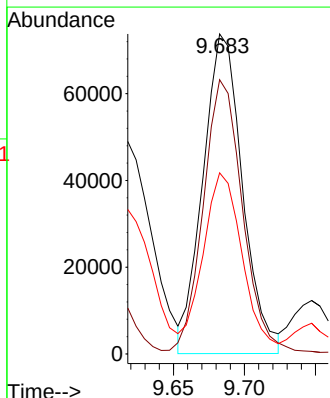
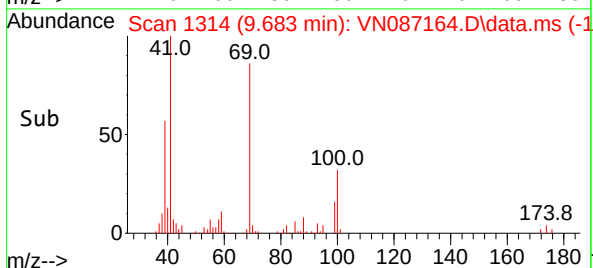
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

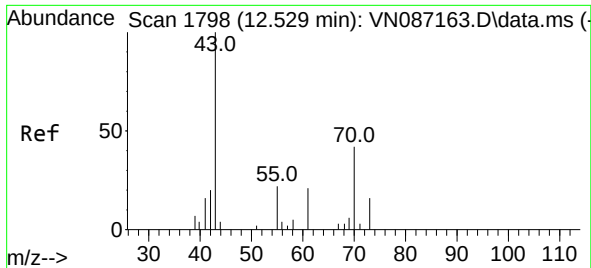


#46
Methyl methacrylate
Concen: 71.407 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41



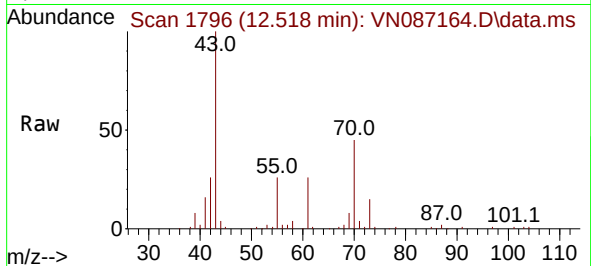
Tgt Ion: 41 Resp: 142798
Ion Ratio Lower Upper
41 100
69 87.8 45.6 136.9
39 57.0 26.2 78.5





#47
n-amy1 Acetate
Concen: 51.850 ug/l
RT: 12.518 min Scan# 1796
Delta R.T. -0.012 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

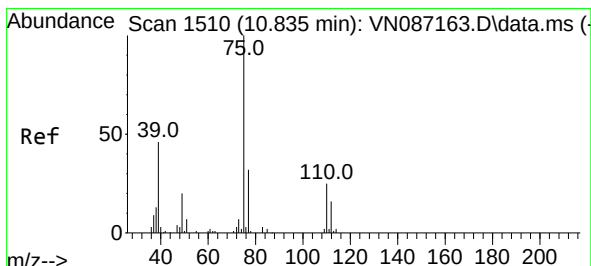
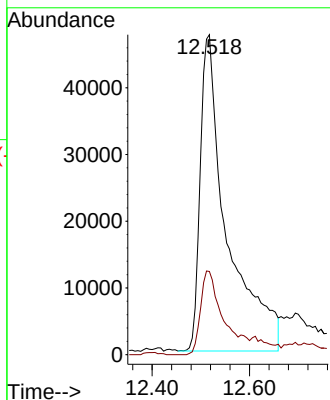
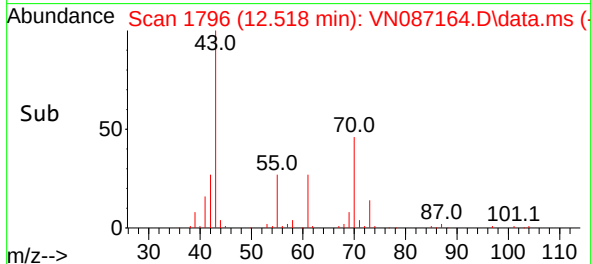
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 43 Resp: 180529
Ion Ratio Lower Upper
43 100
55 20.7 0.0 0.0

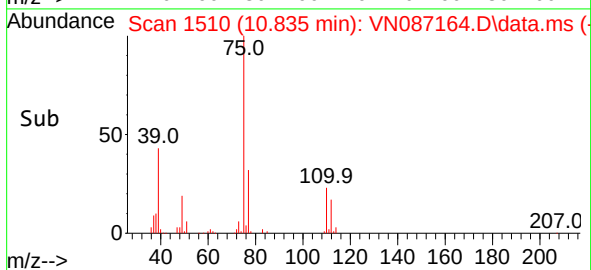
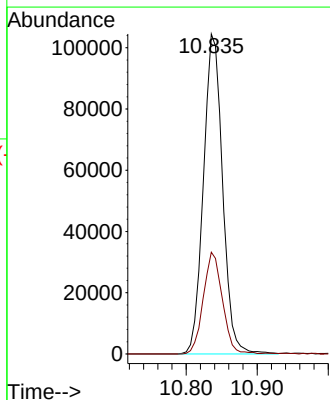
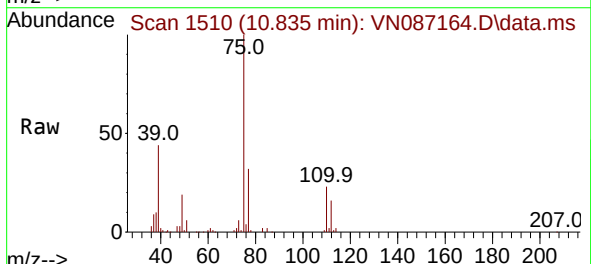
Manual Integrations
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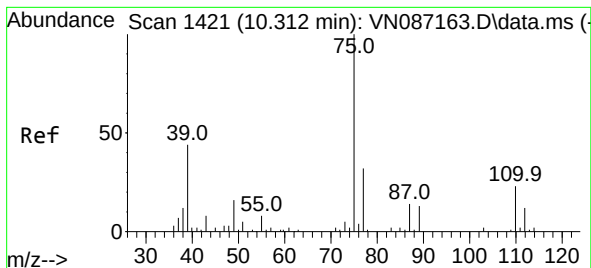
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#48
t-1,3-Dichloropropene
Concen: 60.579 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

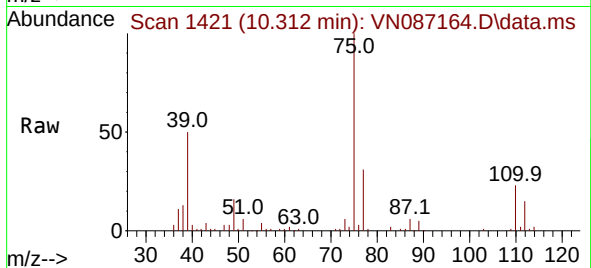
Tgt Ion: 75 Resp: 196045
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0





#49
 cis-1,3-Dichloropropene
 Concen: 54.427 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

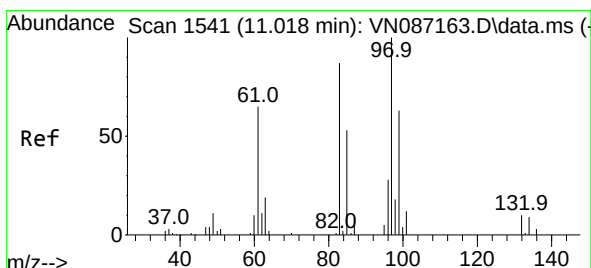
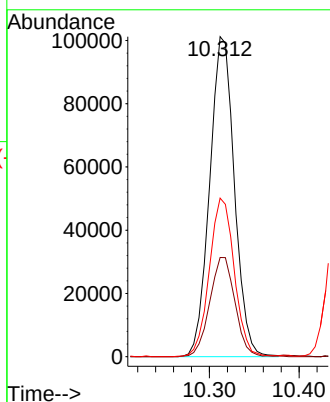
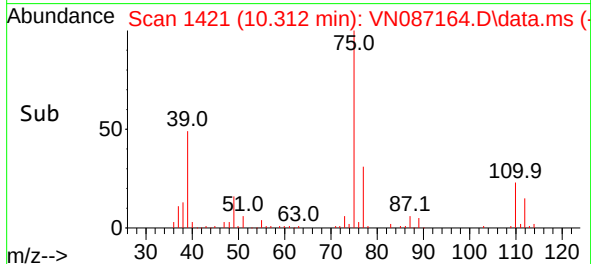
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



Tgt Ion: 75 Resp: 19373
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.4 38.2
 39 49.4 35.3 52.9

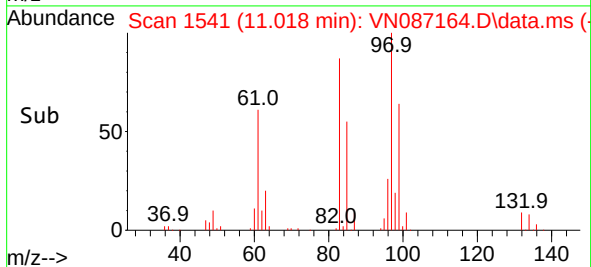
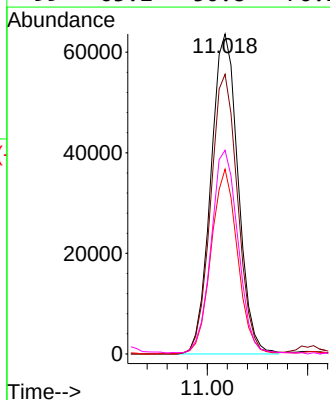
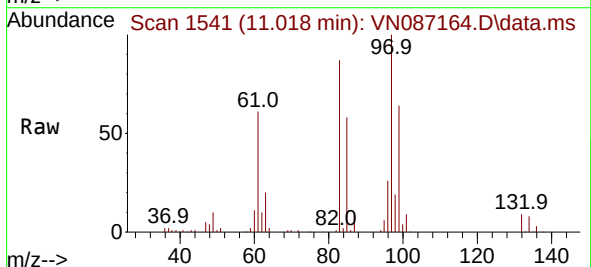
Manual Integrations
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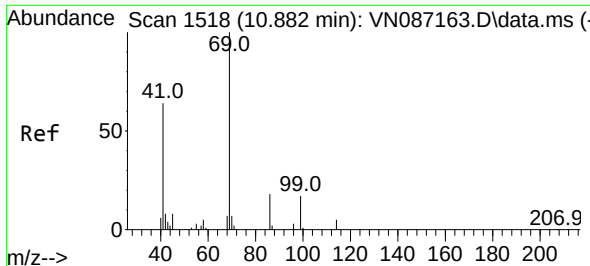
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#50
 1,1,2-Trichloroethane
 Concen: 59.045 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

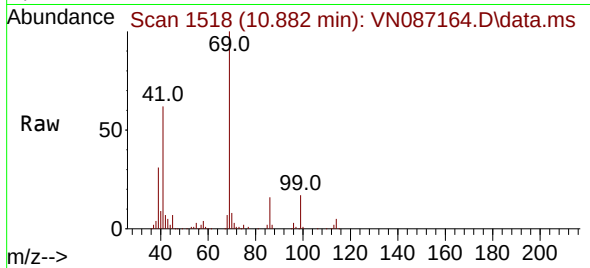
Tgt Ion: 97 Resp: 120146
 Ion Ratio Lower Upper
 97 100
 83 87.4 69.6 104.4
 85 57.5 42.0 63.0
 99 63.2 50.8 76.2





#51
Ethyl methacrylate
Concen: 59.603 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

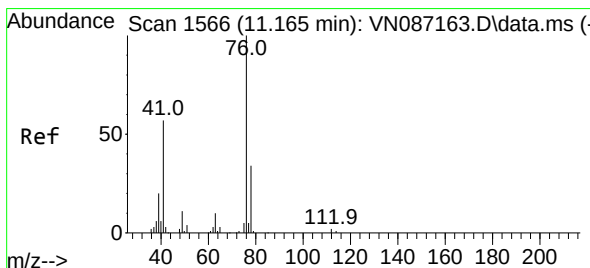
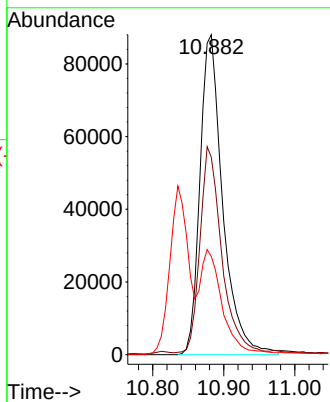
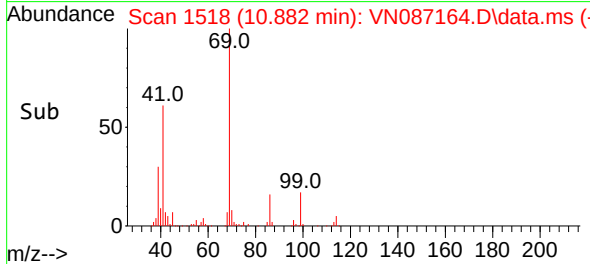
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 69 Resp: 196419
Ion Ratio Lower Upper
69 100
41 60.9 31.8 95.3
39 30.1 15.3 45.8

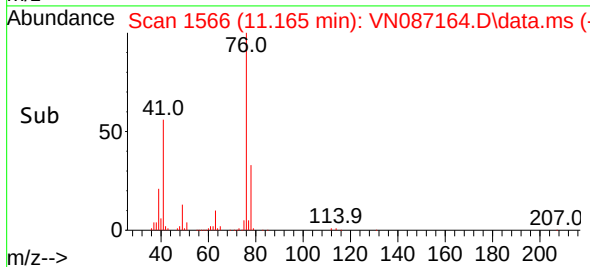
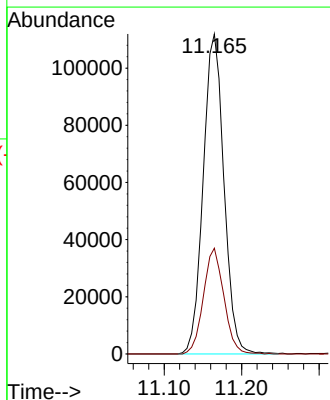
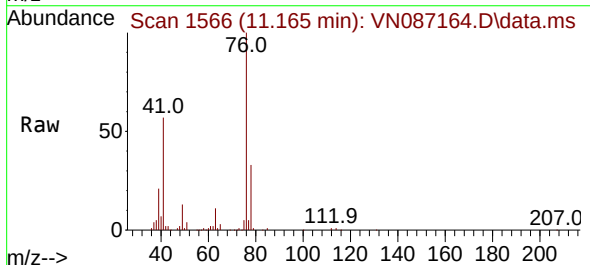
Manual Integrations
APPROVED

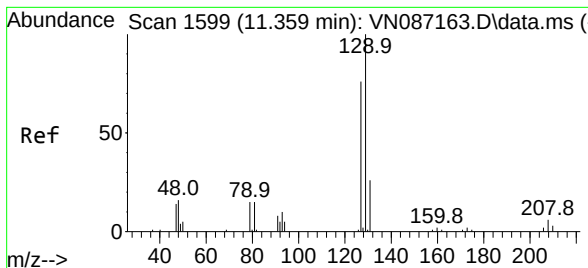
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#52
1,3-Dichloropropane
Concen: 57.643 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

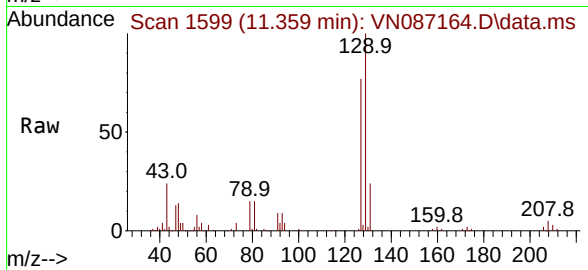
Tgt Ion: 76 Resp: 208157
Ion Ratio Lower Upper
76 100
78 32.5 0.0 63.0





#53
Dibromochloromethane
Concen: 55.785 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

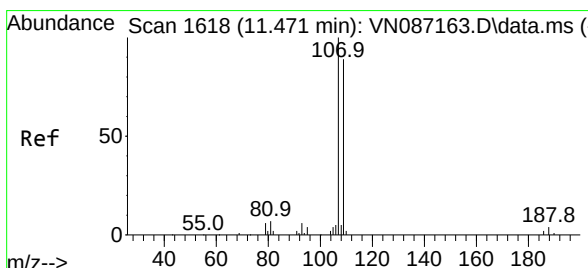
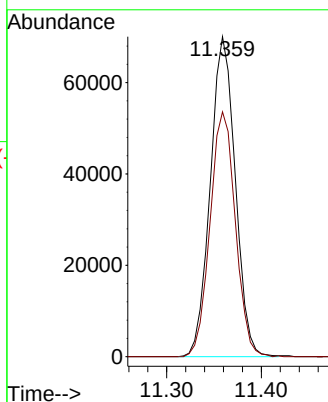
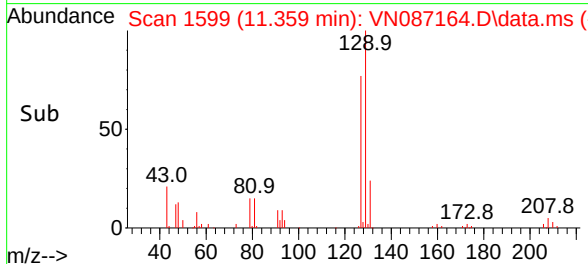
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



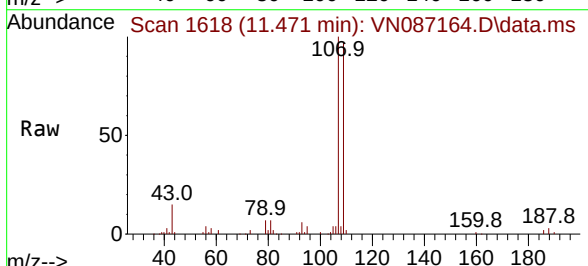
Tgt Ion:129 Resp: 128273
Ion Ratio Lower Upper
129 100
127 77.4 39.6 118.8

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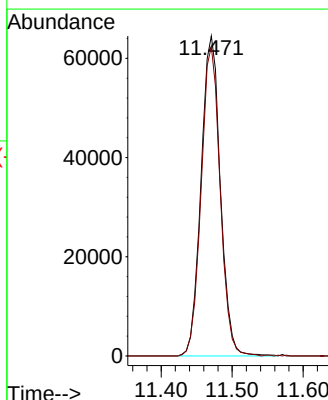
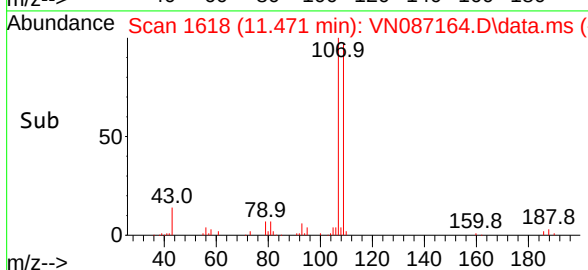
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

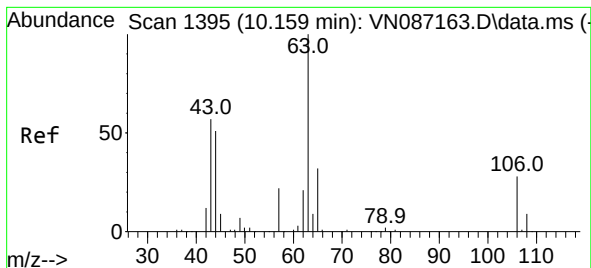


#54
1,2-Dibromoethane
Concen: 58.689 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41



Tgt Ion:107 Resp: 122070
Ion Ratio Lower Upper
107 100
109 95.0 73.5 110.3





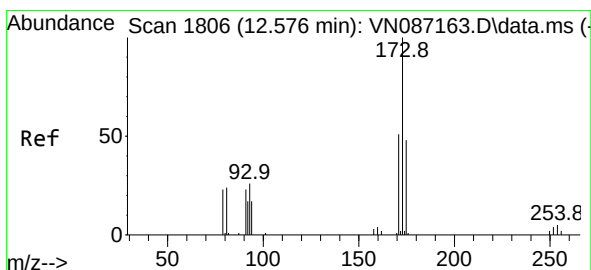
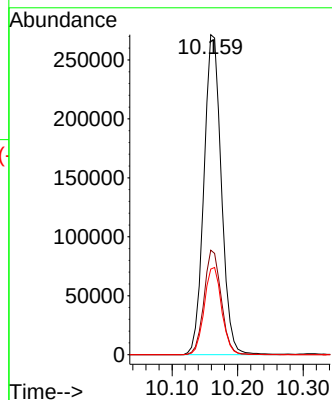
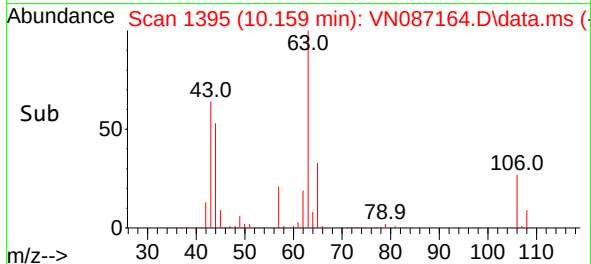
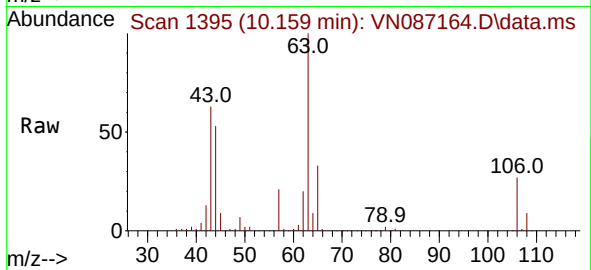
#55
2-Chloroethyl vinyl ether
Concen: 317.734 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 63 Resp: 50261
Ion Ratio Lower Upper
63 100
65 32.3 25.6 38.4
106 27.3 21.9 32.9

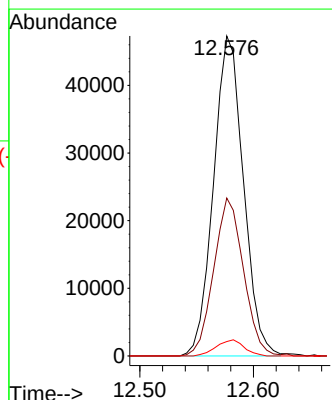
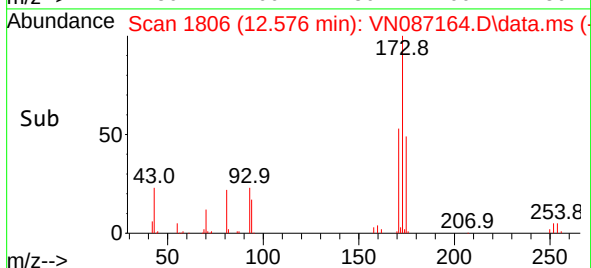
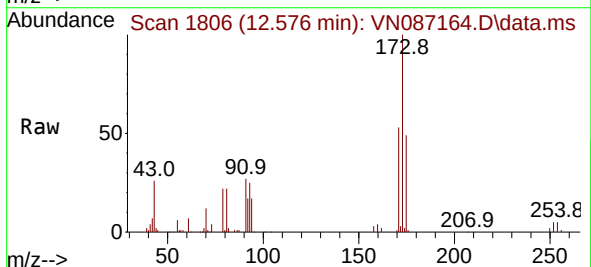
Manual Integrations
APPROVED

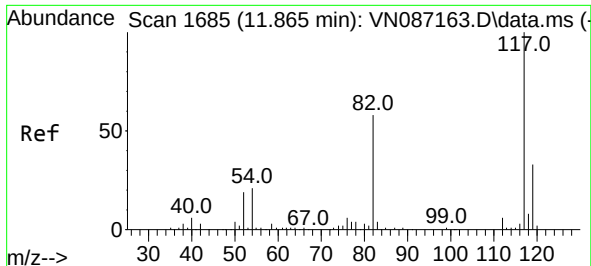
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#56
Bromoform
Concen: 59.706 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

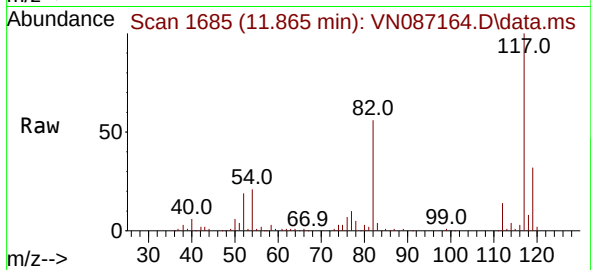
Tgt Ion:173 Resp: 86503
Ion Ratio Lower Upper
173 100
175 49.0 38.7 58.1
254 4.7 4.2 6.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

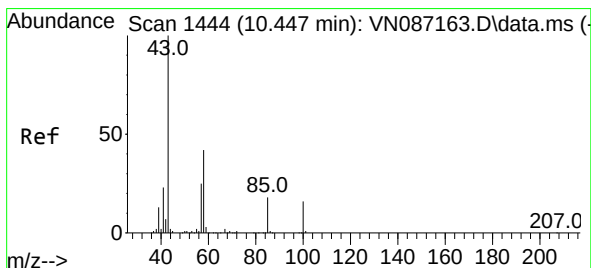
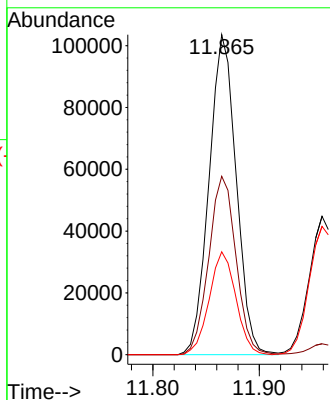
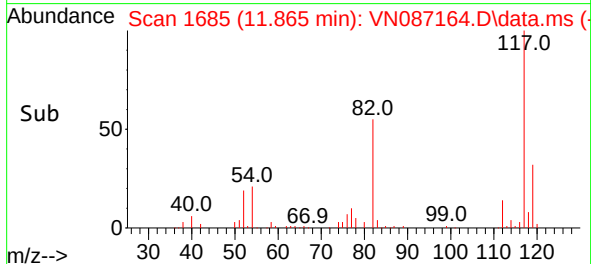
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



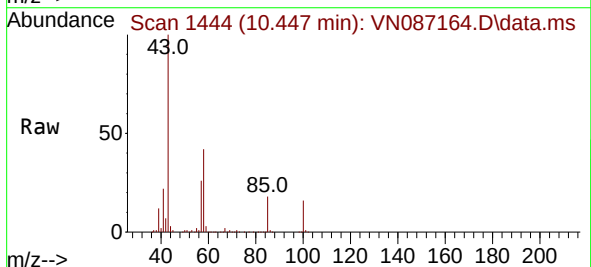
Tgt Ion: 117 Resp: 18371
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.2
119 31.6 26.2 39.4

Manual Integrations
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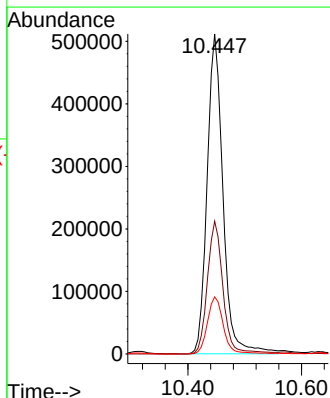
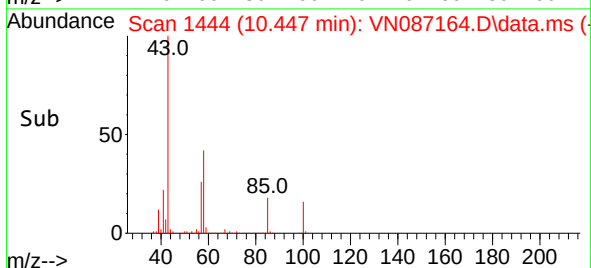
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

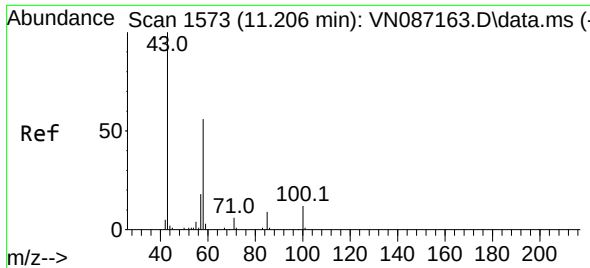


#58
4-Methyl-2-Pentanone
Concen: 366.357 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41



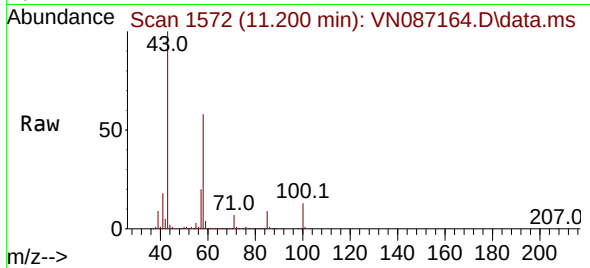
Tgt Ion: 43 Resp: 987570
Ion Ratio Lower Upper
43 100
58 40.9 32.6 49.0
85 17.8 14.6 22.0





#59
2-Hexanone
Concen: 348.700 ug/l
RT: 11.200 min Scan# 1573
Delta R.T. -0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

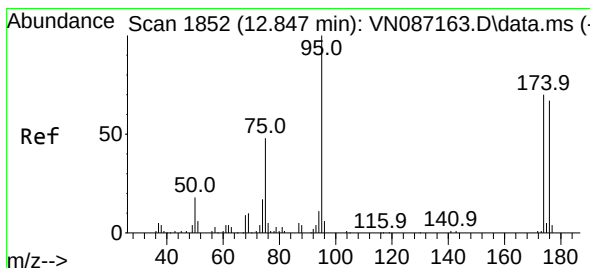
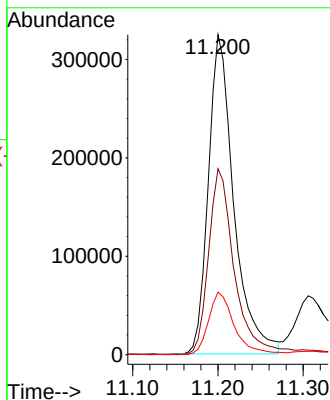
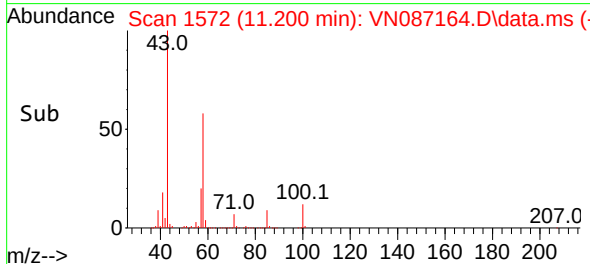
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 43 Resp: 673308
Ion Ratio Lower Upper
43 100
58 59.0 49.2 73.8
57 20.1 15.3 22.9

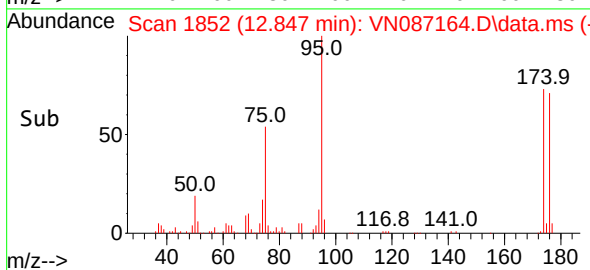
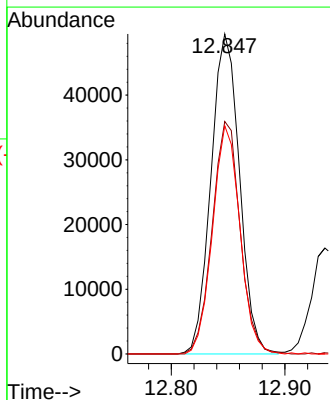
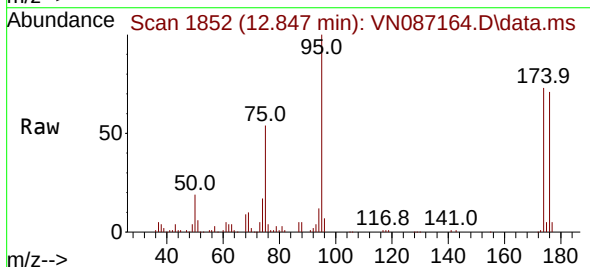
Manual Integrations
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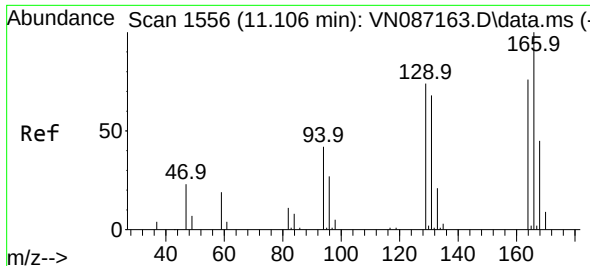
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#60
4-Bromofluorobenzene
Concen: 29.954 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

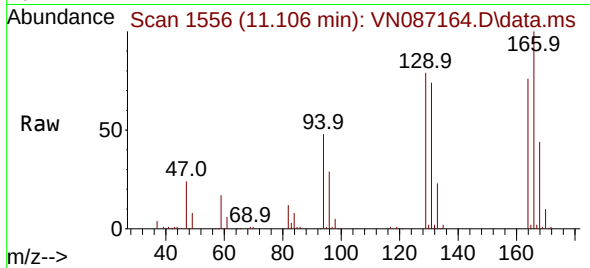
Tgt Ion: 95 Resp: 86398
Ion Ratio Lower Upper
95 100
174 71.2 54.5 81.7
176 68.5 51.9 77.9





#61
Tetrachloroethene
Concen: 29.832 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

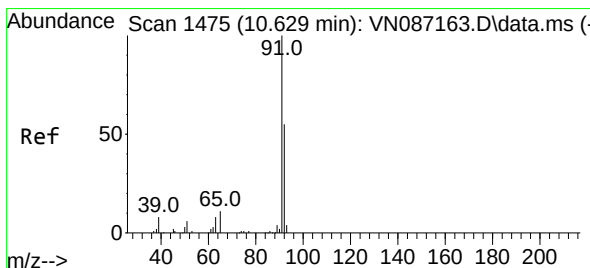
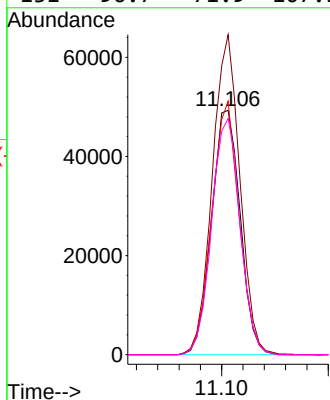
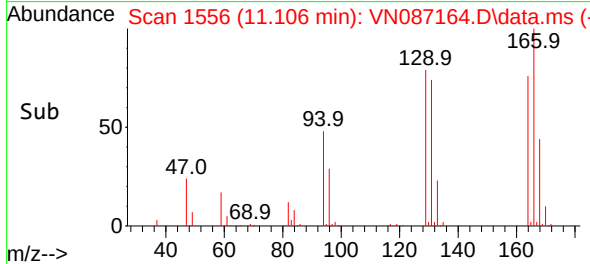
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:164 Resp: 92124
Ion Ratio Lower Upper
164 100
166 131.0 105.4 158.2
129 103.8 77.9 116.9
131 96.7 71.9 107.9

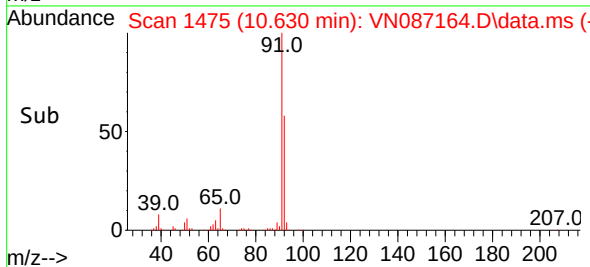
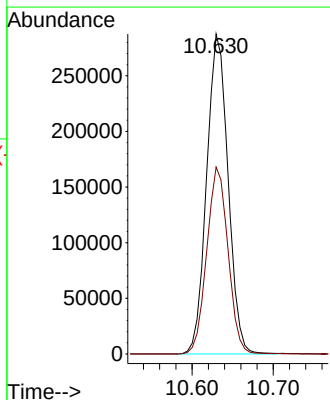
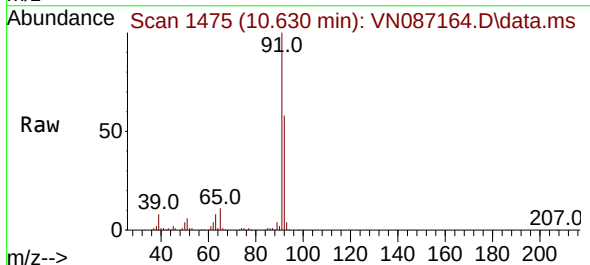
Manual Integrations
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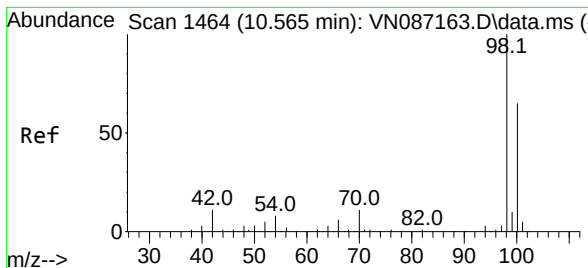
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#62
Toluene
Concen: 50.894 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

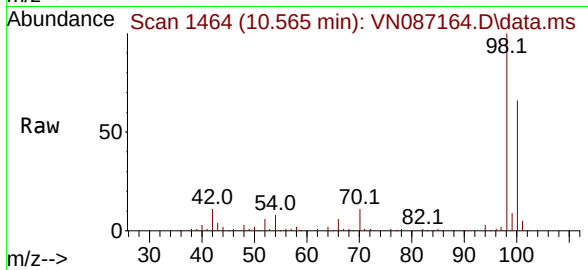
Tgt Ion: 91 Resp: 526581
Ion Ratio Lower Upper
91 100
92 58.1 45.8 68.8





#63
Toluene-d8
Concen: 28.629 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

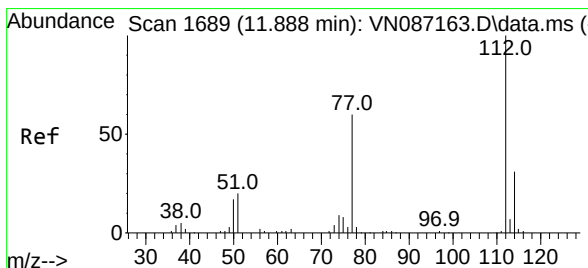
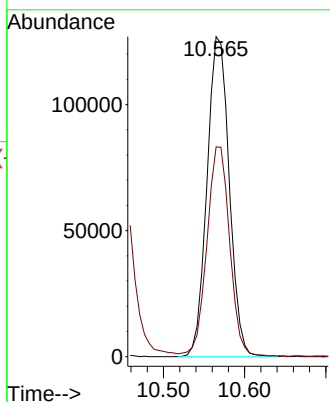
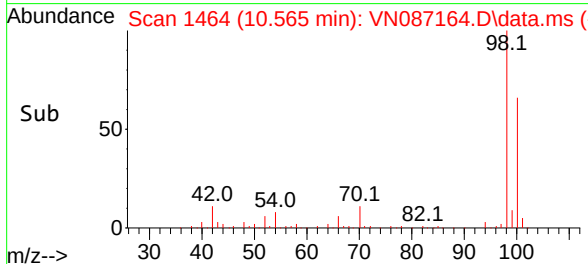
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 98 Resp: 241400
Ion Ratio Lower Upper
98 100
100 67.5 52.5 78.7

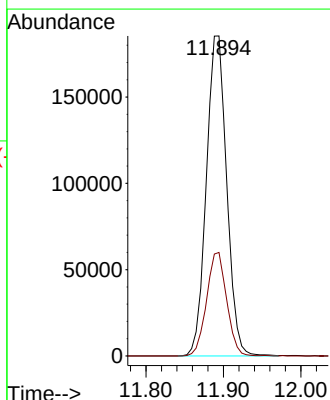
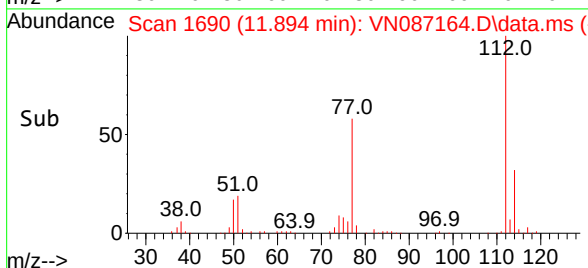
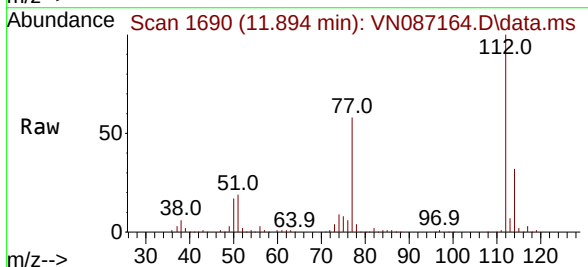
Manual Integrations
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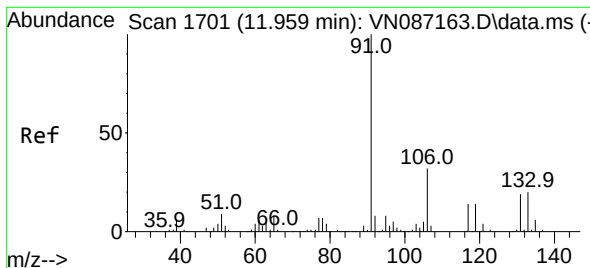
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#64
Chlorobenzene
Concen: 51.320 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

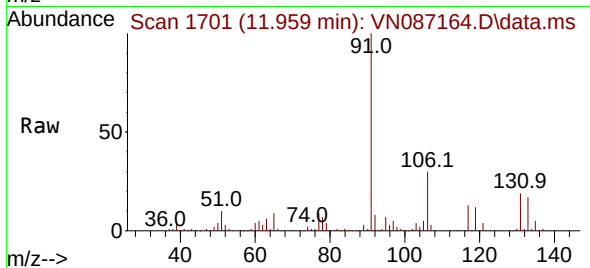
Tgt Ion:112 Resp: 338627
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.4





#65
 1,1,1,2-Tetrachloroethane
 Concen: 51.489 ug/l
 RT: 11.959 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

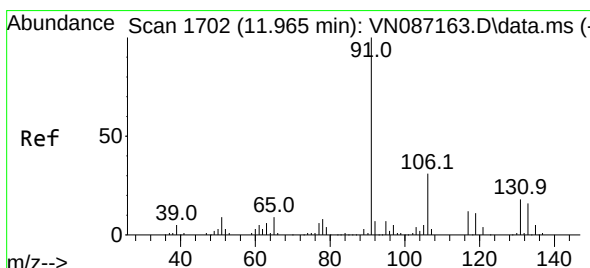
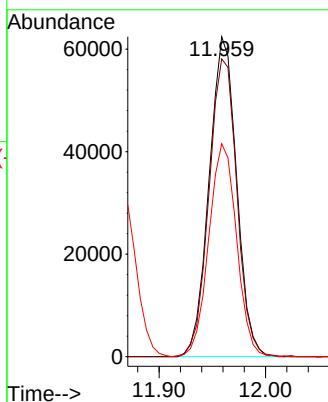
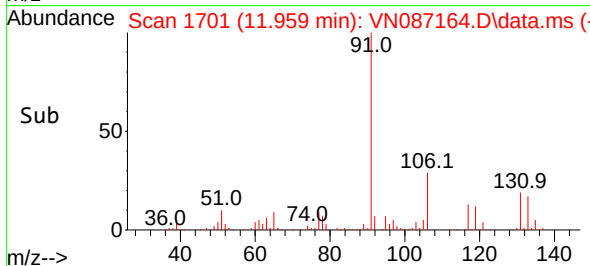
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050



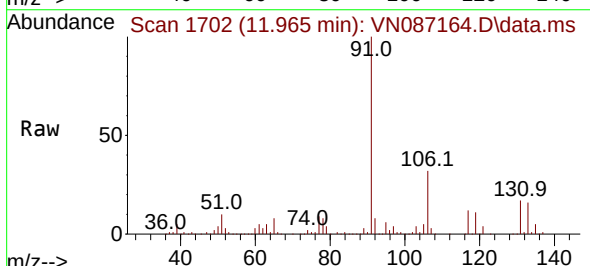
Tgt Ion:131 Resp: 111611
 Ion Ratio Lower Upper
 131 100
 133 94.8 0.0 187.8
 119 67.3 0.0 140.0

Manual Integrations
 APPROVED

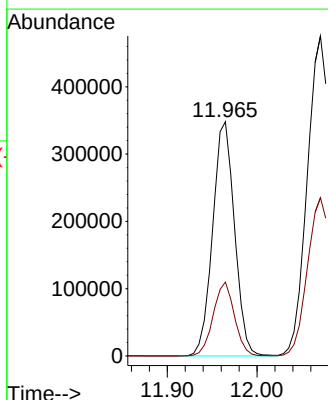
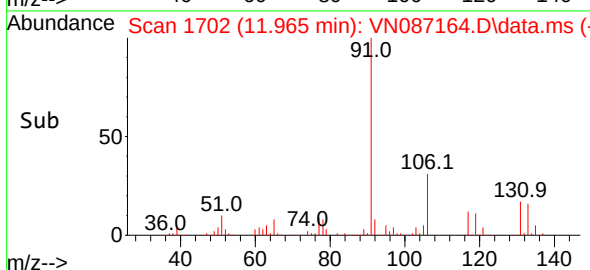
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025

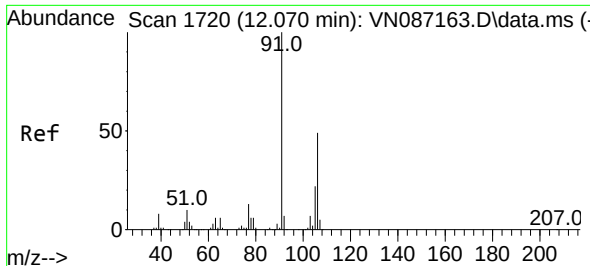


#66
 Ethyl Benzene
 Concen: 52.700 ug/l
 RT: 11.965 min Scan# 1702
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41



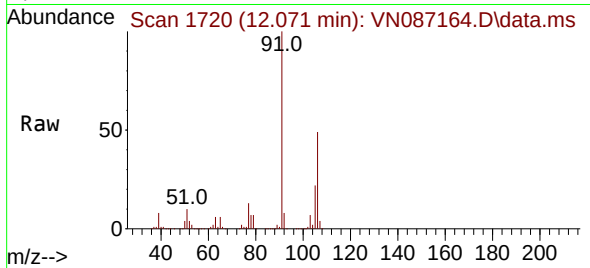
Tgt Ion: 91 Resp: 589779
 Ion Ratio Lower Upper
 91 100
 106 31.5 24.8 37.2





#67
m/p-Xylenes
Concen: 103.437 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

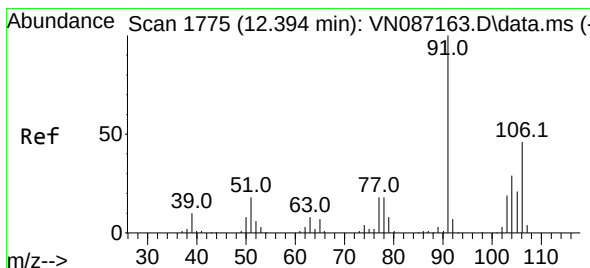
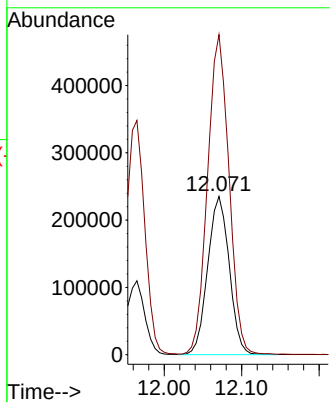
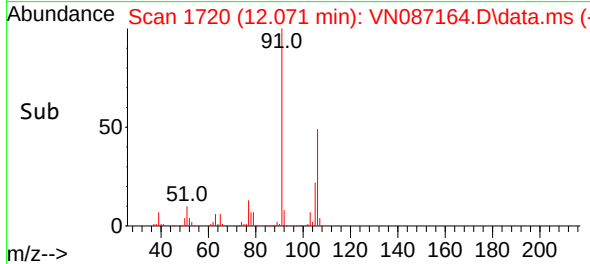
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



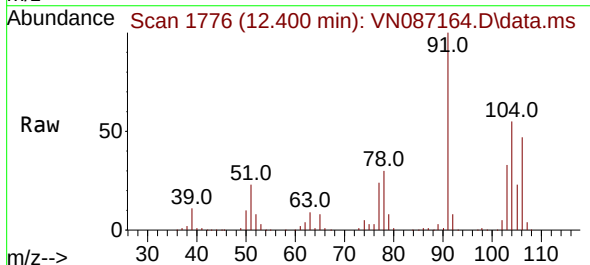
Tgt Ion:106 Resp: 454250
Ion Ratio Lower Upper
106 100
91 201.9 163.0 244.4

Manual Integrations
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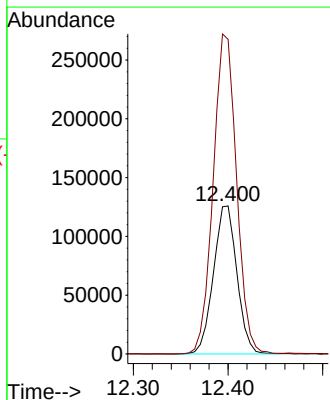
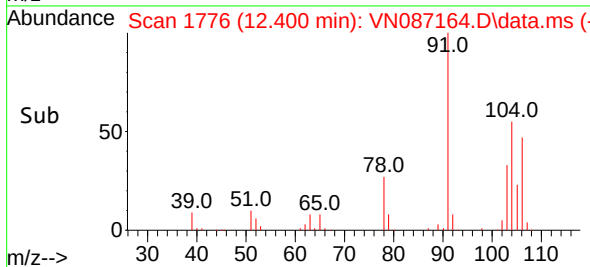
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

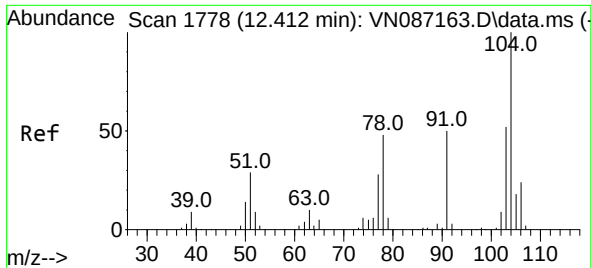


#68
o-Xylene
Concen: 51.013 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41



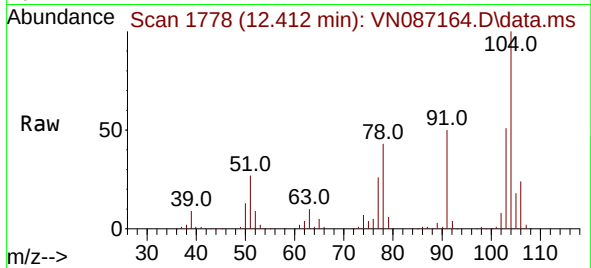
Tgt Ion:106 Resp: 217114
Ion Ratio Lower Upper
106 100
91 215.1 107.1 321.1





#69
Styrene
Concen: 53.558 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

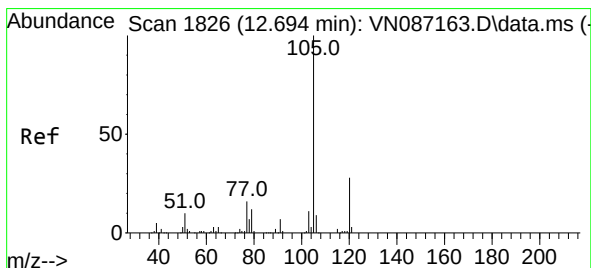
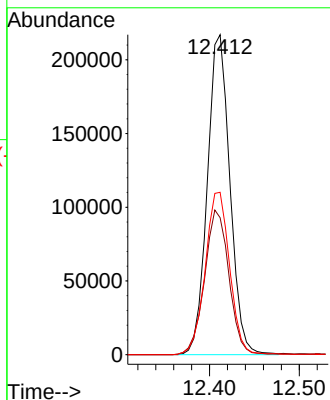
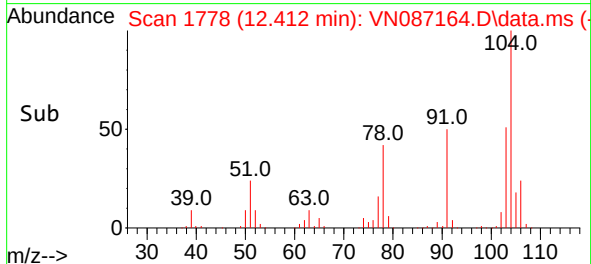
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:104 Resp: 37976
Ion Ratio Lower Upper
104 100
78 48.6 39.8 59.8
103 54.7 44.2 66.4

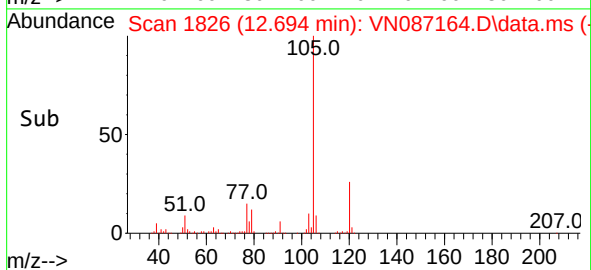
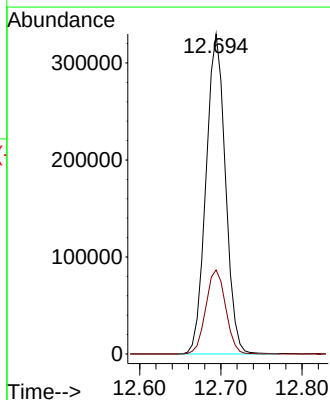
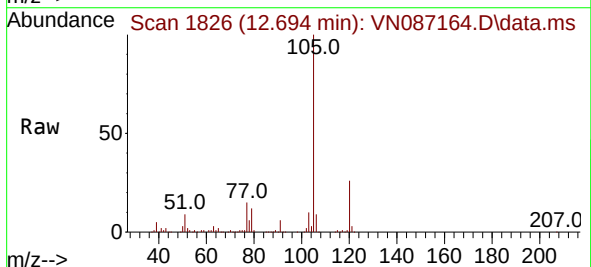
Manual Integrations
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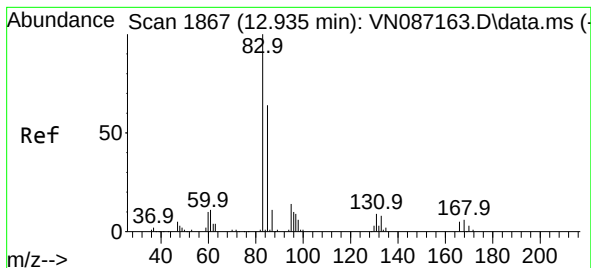
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#70
Isopropylbenzene
Concen: 54.100 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

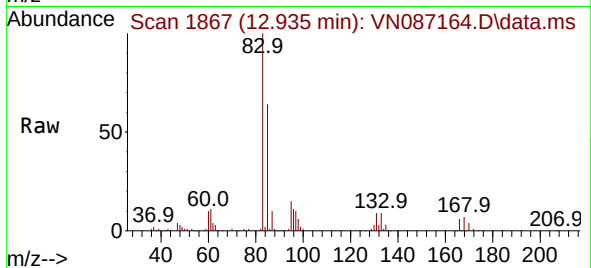
Tgt Ion:105 Resp: 547639
Ion Ratio Lower Upper
105 100
120 26.8 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 80.826 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

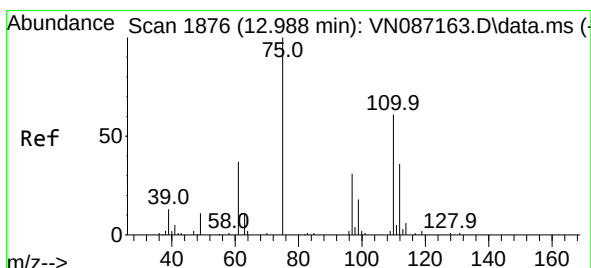
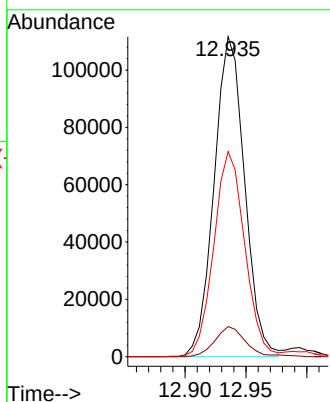
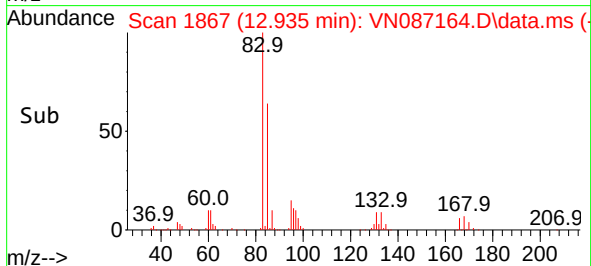
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



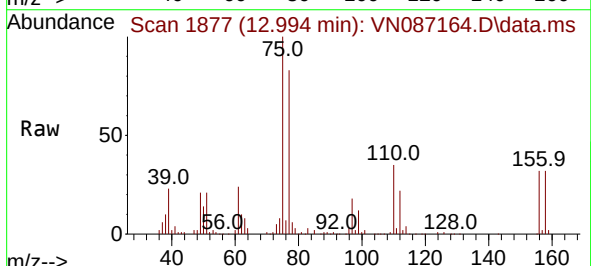
Tgt Ion: 83 Resp: 19452
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.4
85 64.9 31.3 93.9

Manual Integrations
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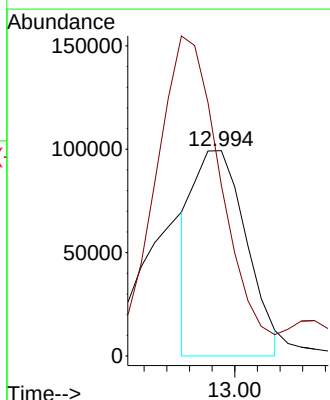
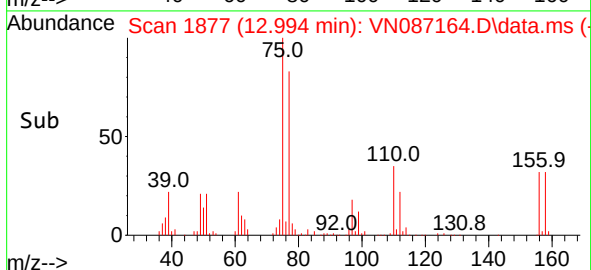
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

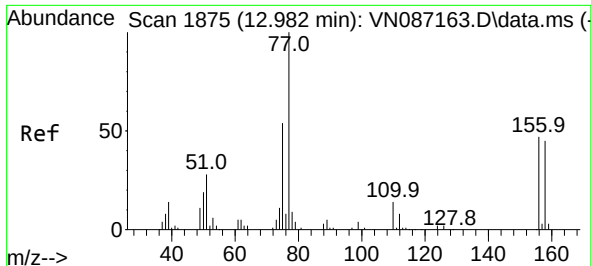


#72
1,2,3-Trichloropropane
Concen: 57.309 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41



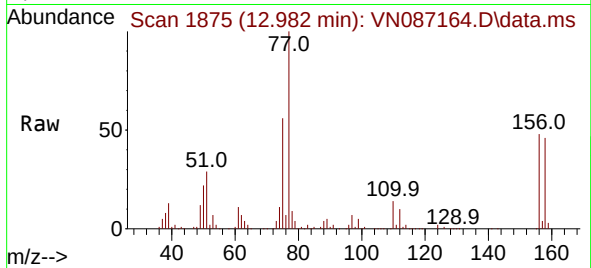
Tgt Ion: 75 Resp: 161650
Ion Ratio Lower Upper
75 100
77 195.5 0.0 379.2





#73
Bromobenzene
Concen: 52.023 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

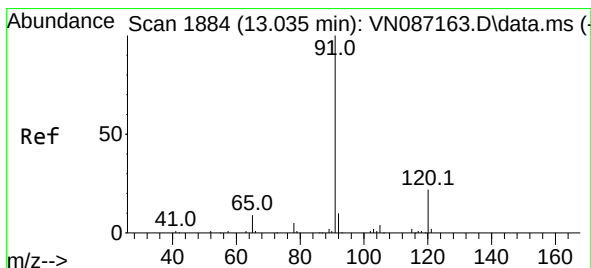
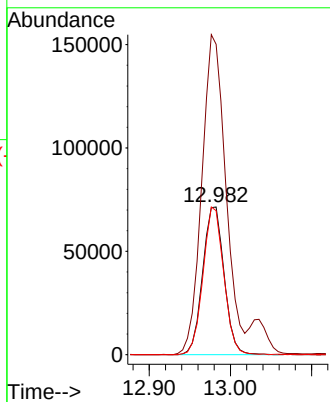
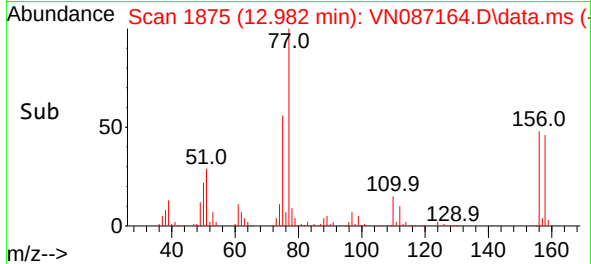
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:156 Resp: 130892
Ion Ratio Lower Upper
156 100
77 241.4 0.0 489.0
158 96.7 0.0 195.2

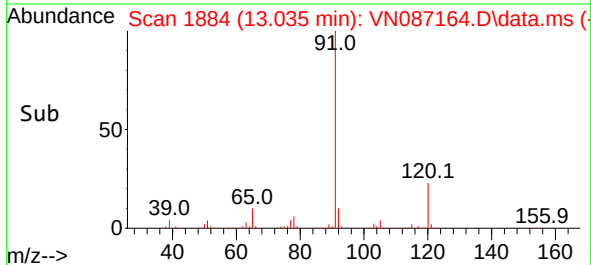
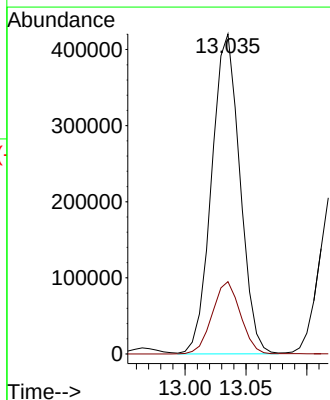
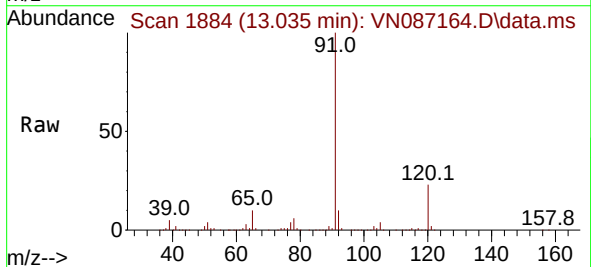
Manual Integrations
APPROVED

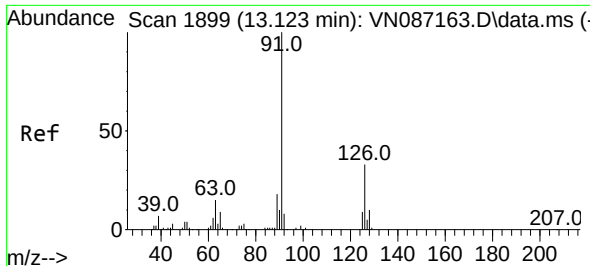
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#74
n-propylbenzene
Concen: 56.743 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 91 Resp: 680365
Ion Ratio Lower Upper
91 100
120 22.5 0.0 43.6





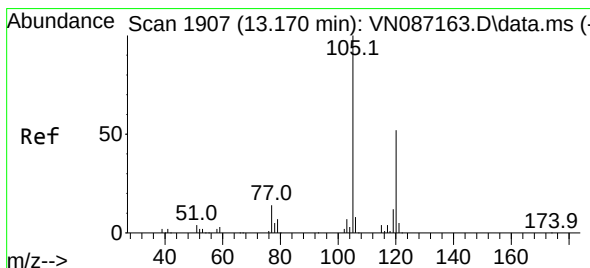
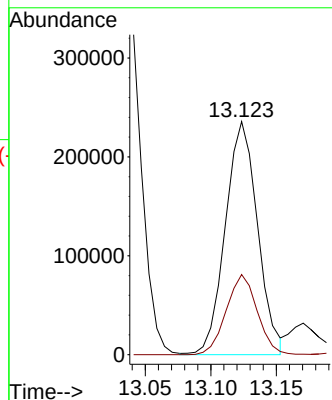
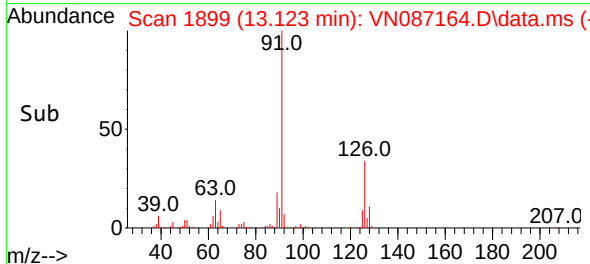
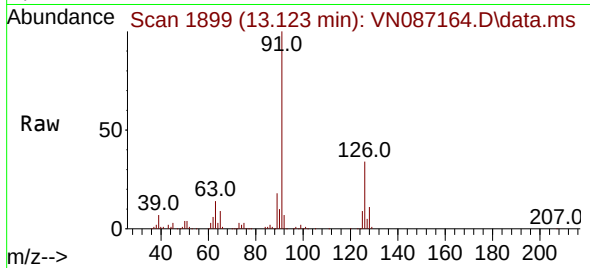
#75
2-Chlorotoluene
Concen: 52.390 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 91 Resp: 403198
Ion Ratio Lower Upper
91 100
126 33.1 0.0 63.8

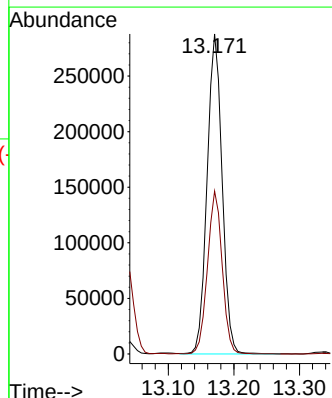
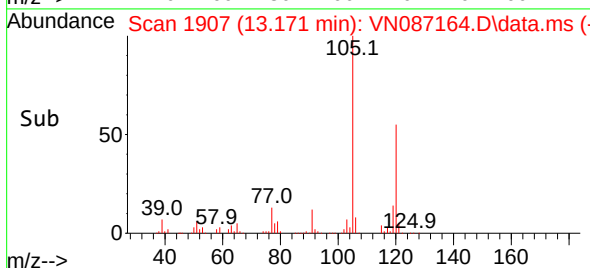
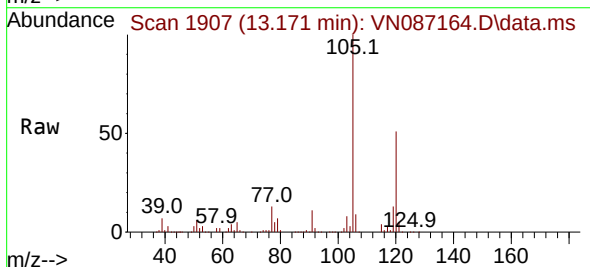
Manual Integrations
APPROVED

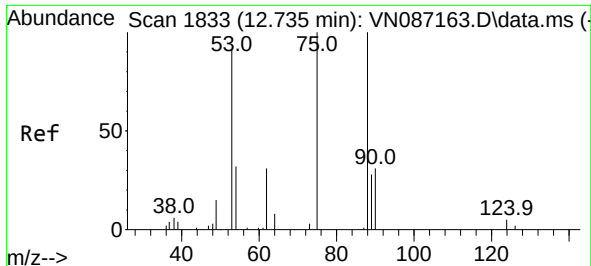
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#76
1,3,5-Trimethylbenzene
Concen: 54.494 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion:105 Resp: 458902
Ion Ratio Lower Upper
105 100
120 49.6 0.0 100.8





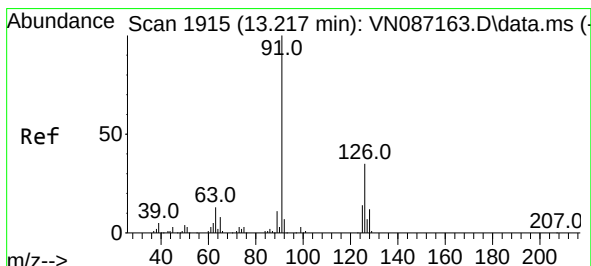
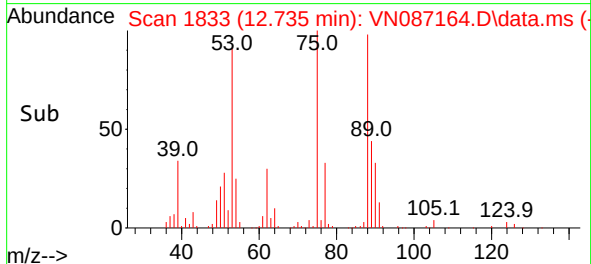
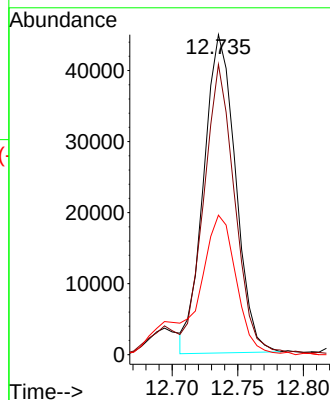
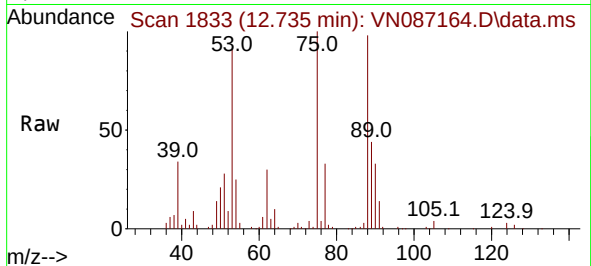
#77
t-1,4-Dichloro-2-butene
Concen: 65.634 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 75 Resp: 7576
Ion Ratio Lower Upper
75 100
53 90.1 45.9 137.6
89 43.5 22.3 66.9

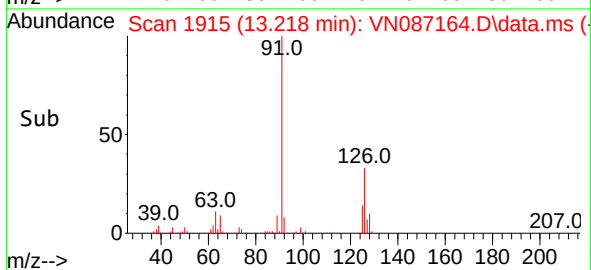
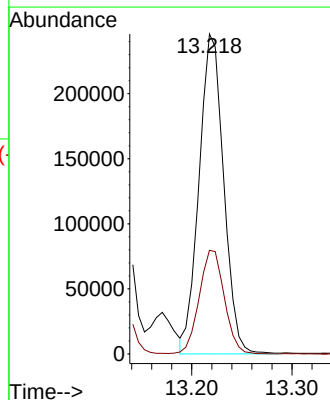
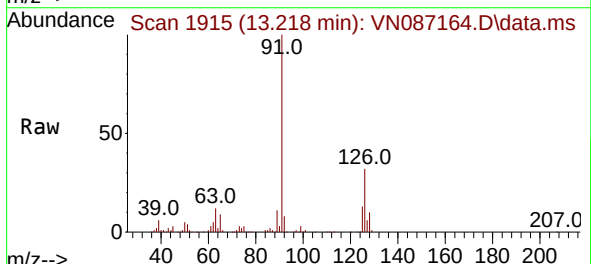
Manual Integrations
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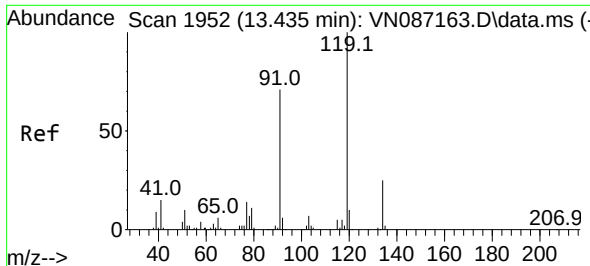
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#78
4-Chlorotoluene
Concen: 55.095 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion: 91 Resp: 420022
Ion Ratio Lower Upper
91 100
126 32.9 0.0 65.2





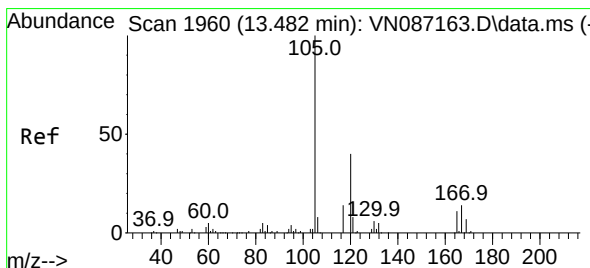
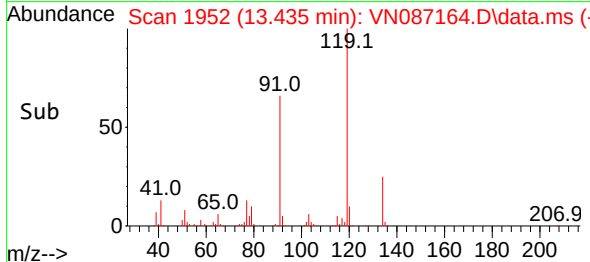
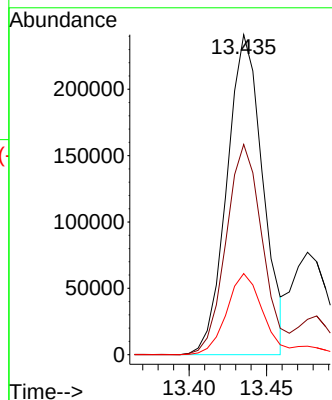
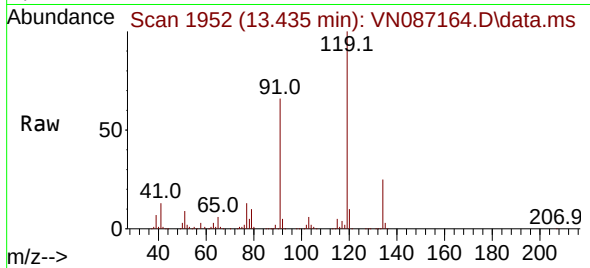
#79
tert-butylbenzene
Concen: 53.458 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:119 Resp: 38922
Ion Ratio Lower Upper
119 100
91 66.9 0.0 137.0
134 25.2 0.0 49.4

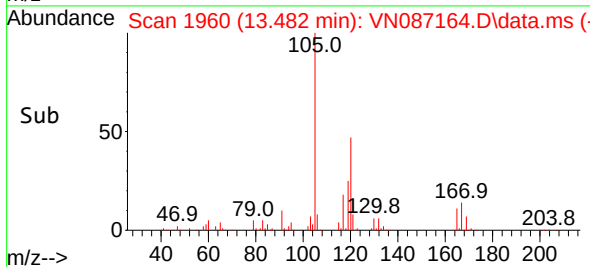
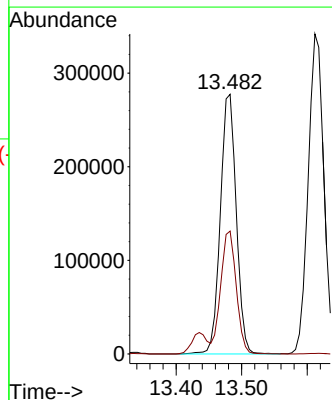
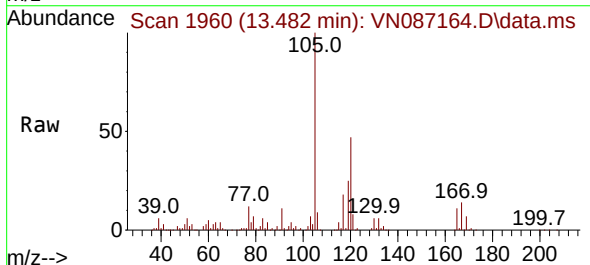
Manual Integrations
APPROVED

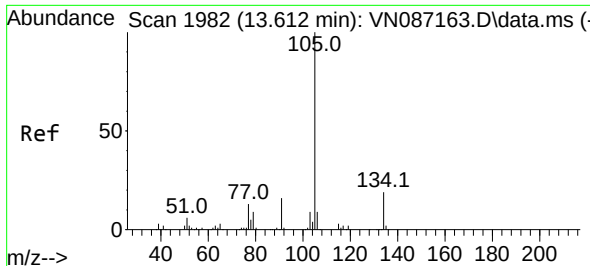
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#80
1,2,4-Trimethylbenzene
Concen: 55.177 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion:105 Resp: 466397
Ion Ratio Lower Upper
105 100
120 45.9 0.0 94.0





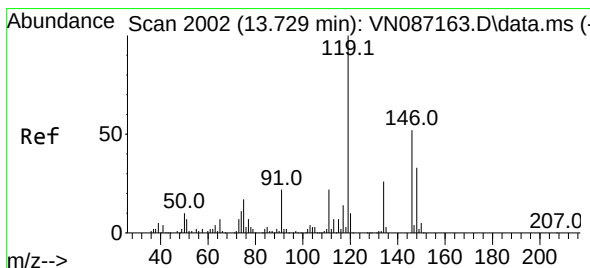
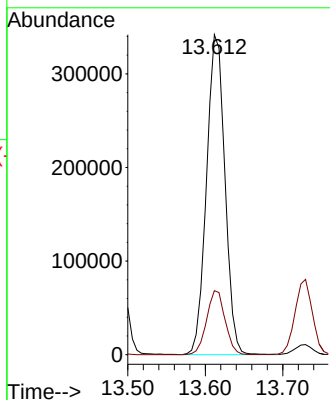
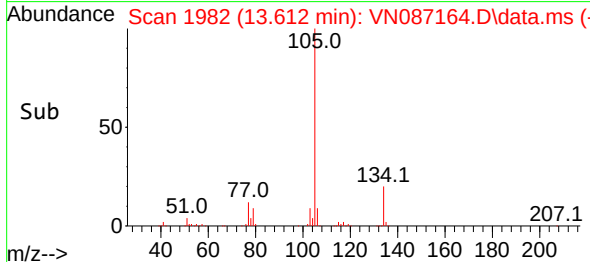
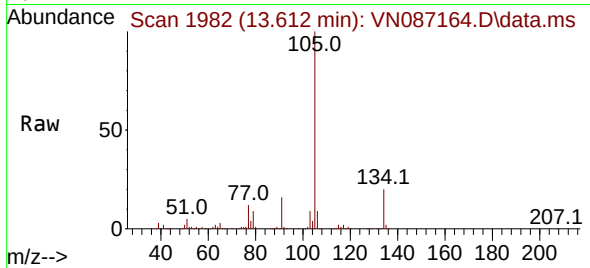
#81
 sec-Butylbenzene
 Concen: 56.952 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion:105 Resp: 564900
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 39.4

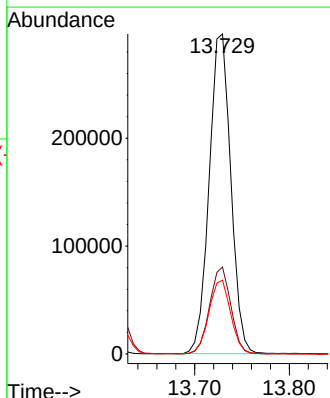
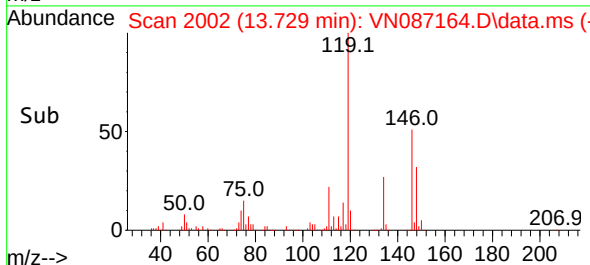
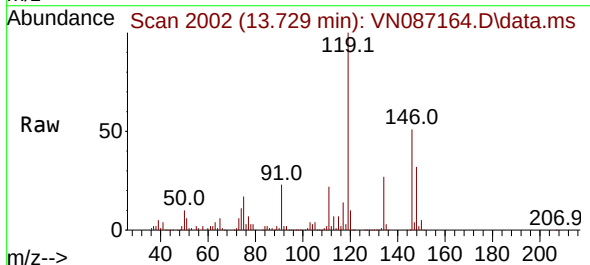
Manual Integrations
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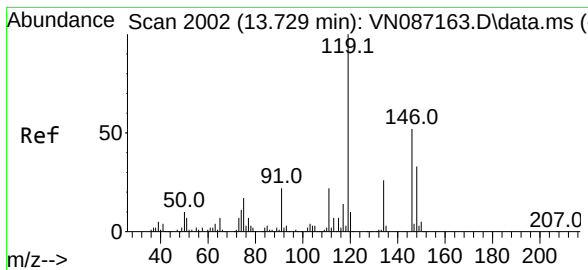
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#82
 p-Isopropyltoluene
 Concen: 56.404 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN087164.D
 Acq: 25 Jun 2025 09:41

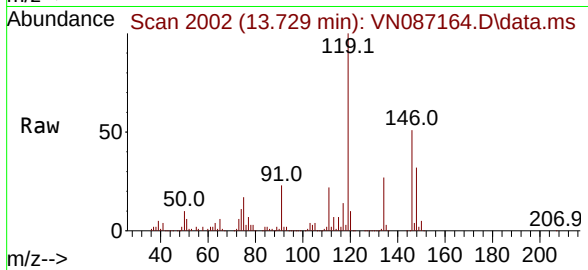
Tgt Ion:119 Resp: 469774
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 51.2
 91 23.2 0.0 46.4





#83
1,3-Dichlorobenzene
Concen: 55.740 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

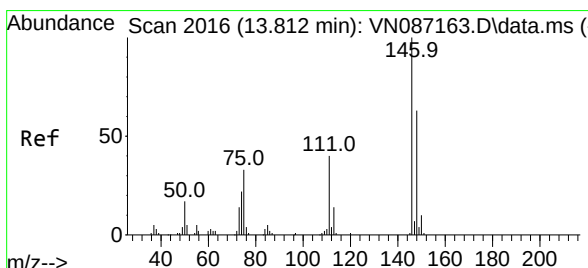
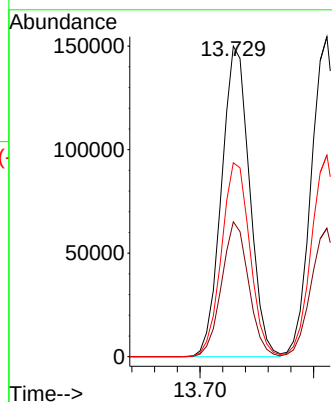
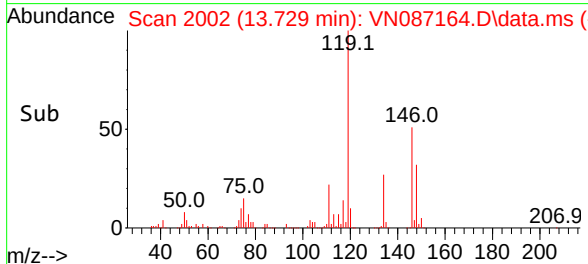
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



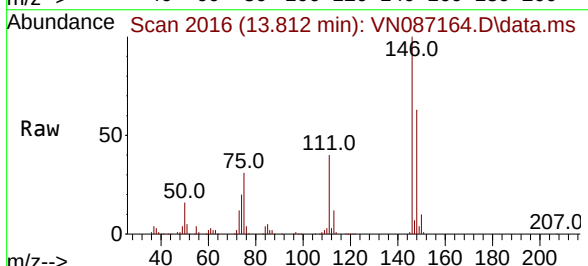
Tgt Ion:146 Resp: 25728
Ion Ratio Lower Upper
146 100
111 41.8 21.1 63.3
148 63.3 31.6 94.8

Manual Integrations
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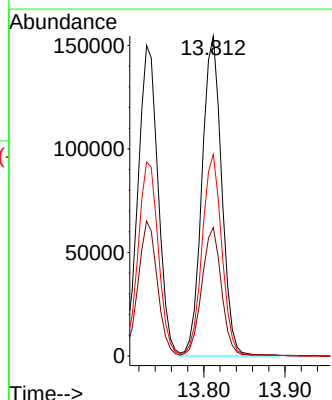
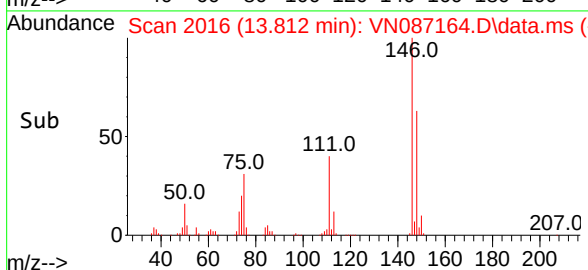
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

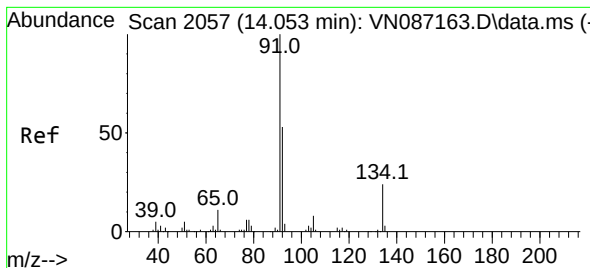


#84
1,4-Dichlorobenzene
Concen: 56.816 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41



Tgt Ion:146 Resp: 260975
Ion Ratio Lower Upper
146 100
111 39.3 20.1 60.2
148 63.0 31.4 94.2





#85

n-Butylbenzene

Concen: 62.894 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

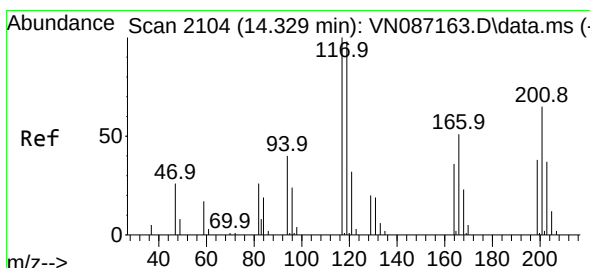
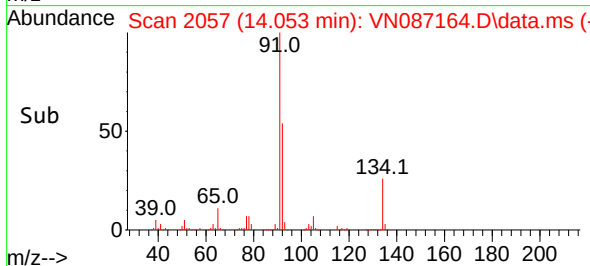
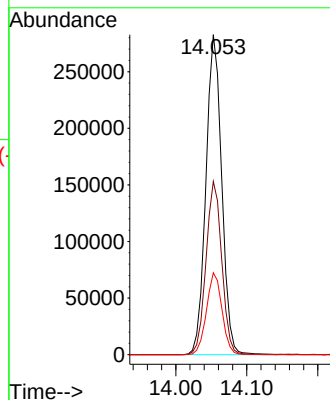
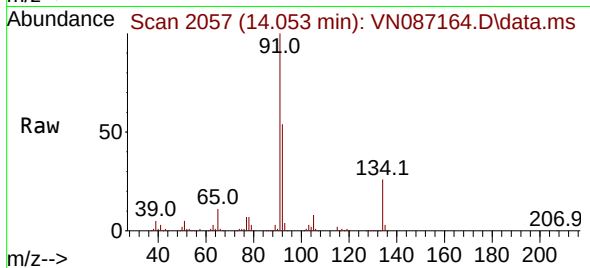
Tgt Ion:	91	Resp:	43854
Ion	Ratio	Lower	Upper
91	100		
92	53.8	0.0	106.4
134	25.2	0.0	48.8

Manual Integrations

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Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#86

Hexachloroethane

Concen: 60.709 ug/l

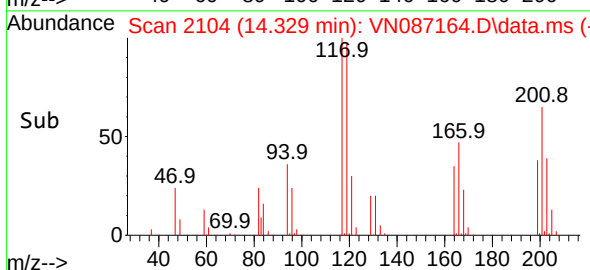
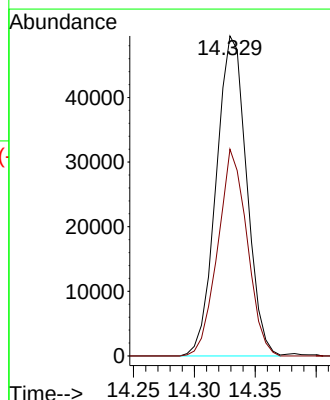
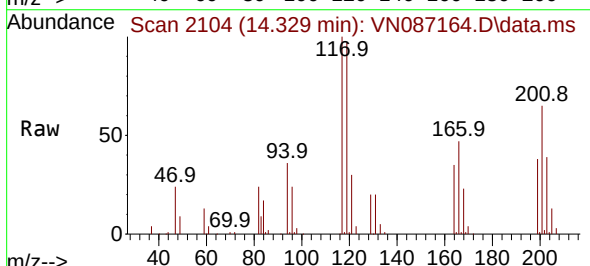
RT: 14.329 min Scan# 2104

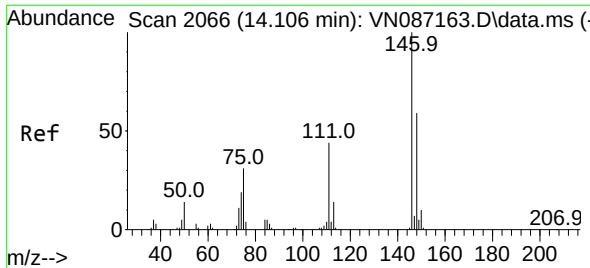
Delta R.T. 0.000 min

Lab File: VN087164.D

Acq: 25 Jun 2025 09:41

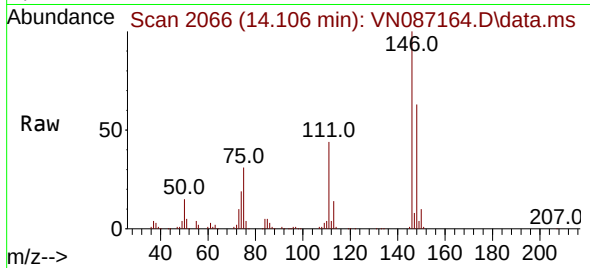
Tgt Ion:	117	Resp:	86176
Ion	Ratio	Lower	Upper
117	100		
201	62.2	30.8	92.3





#87
1,2-Dichlorobenzene
Concen: 55.373 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

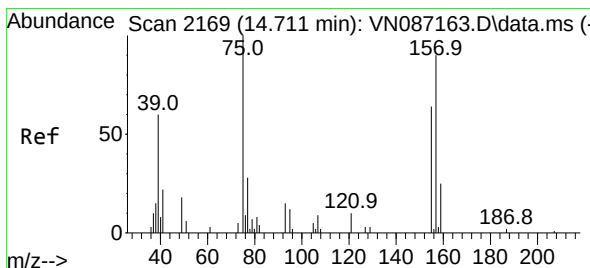
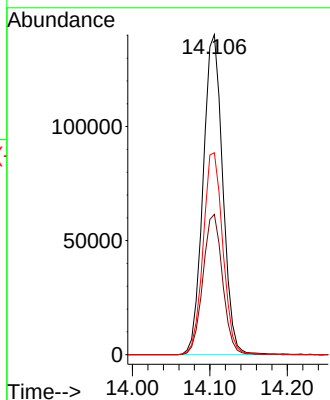
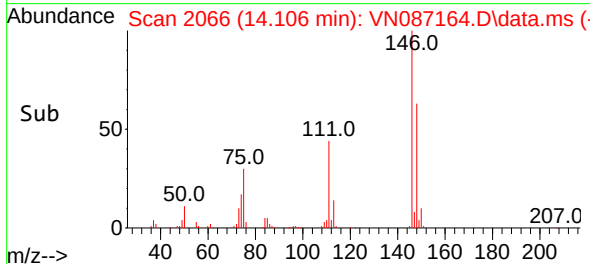
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



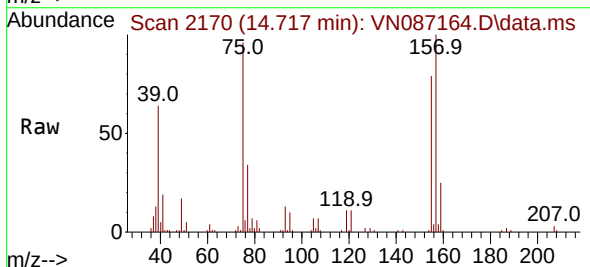
Tgt Ion:146 Resp: 24655
Ion Ratio Lower Upper
146 100
111 43.8 22.1 66.1
148 63.4 31.6 95.0

Manual Integrations
APPROVED

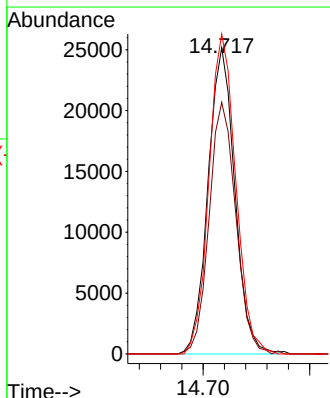
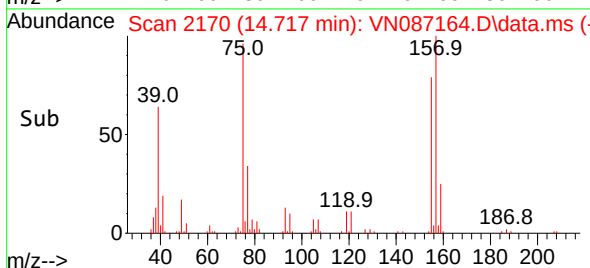
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

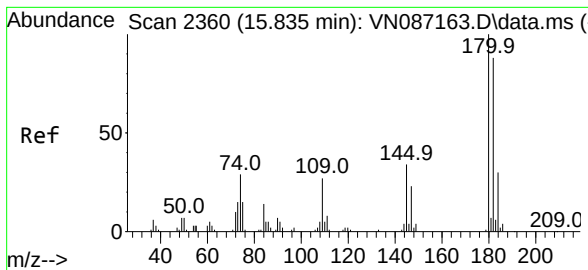


#88
1,2-Dibromo-3-Chloropropane
Concen: 86.500 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41



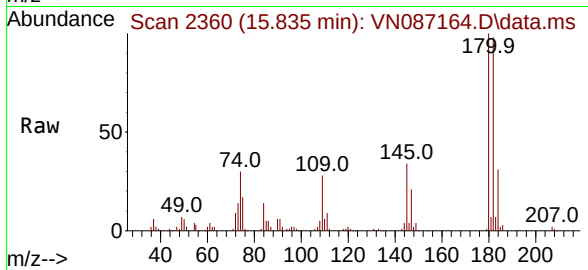
Tgt Ion: 75 Resp: 43840
Ion Ratio Lower Upper
75 100
155 81.7 58.3 87.5
157 104.3 79.2 118.8





#89
1,2,4-Trichlorobenzene
Concen: 68.396 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

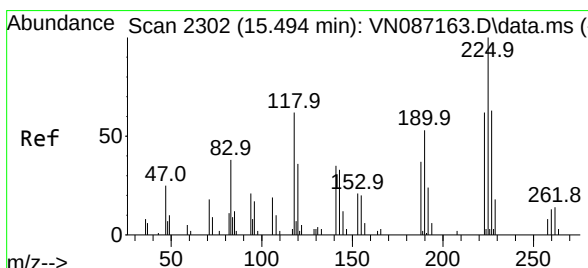
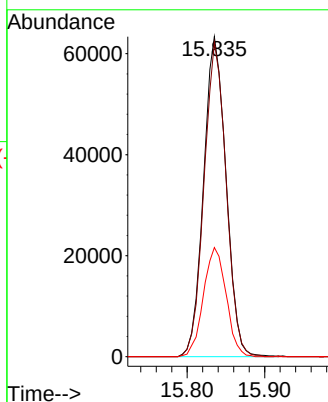
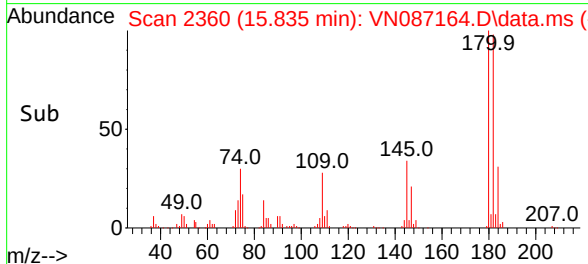
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



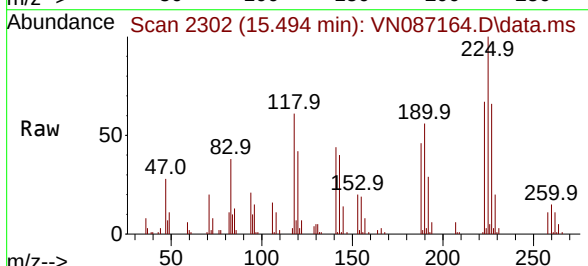
Tgt Ion:180 Resp: 127450
Ion Ratio Lower Upper
180 100
182 96.6 74.2 111.2
145 34.6 27.6 41.4

Manual Integrations
APPROVED

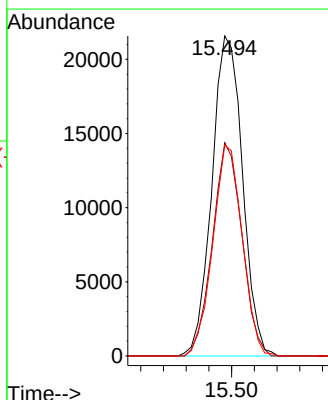
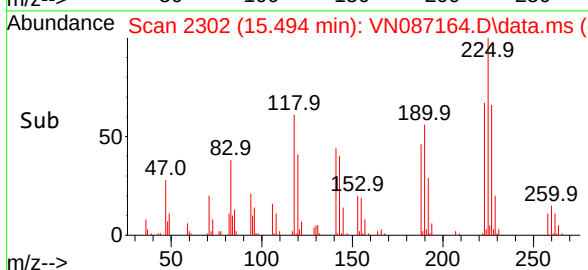
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

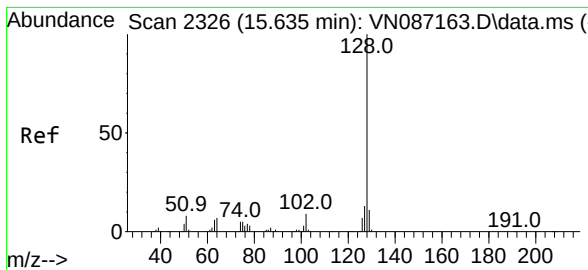


#90
Hexachlorobutadiene
Concen: 50.535 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41



Tgt Ion:225 Resp: 40360
Ion Ratio Lower Upper
225 100
223 64.2 0.0 134.2
227 63.5 0.0 122.6





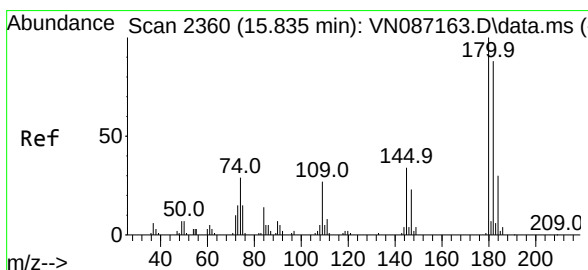
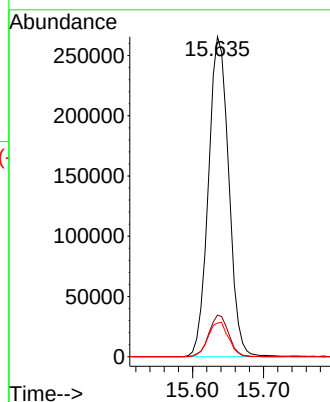
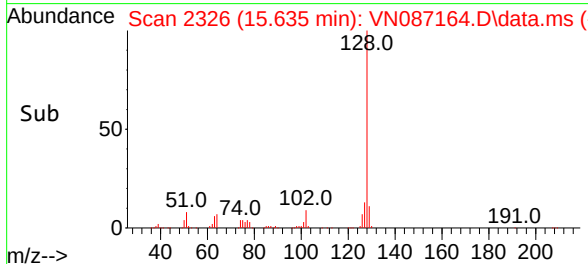
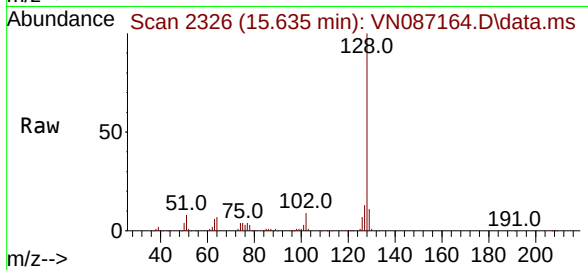
#91
Naphthalene
Concen: 81.307 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:128 Resp: 528628
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.9 8.8 13.2

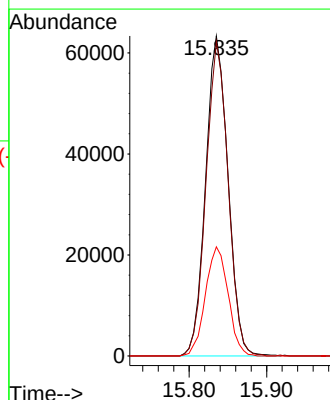
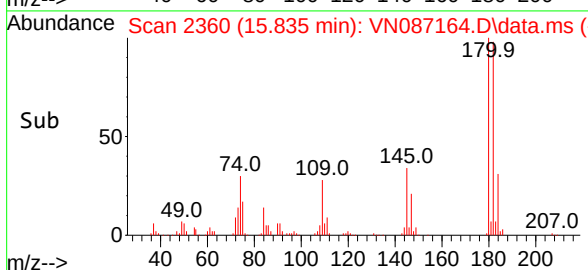
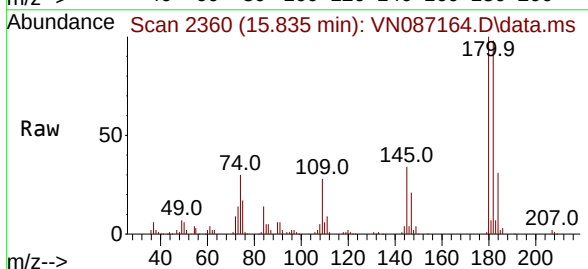
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#92
1,2,3-Trichlorobenzene
Concen: 68.396 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN087164.D
Acq: 25 Jun 2025 09:41

Tgt Ion:180 Resp: 127450
Ion Ratio Lower Upper
180 100
182 96.6 0.0 185.4
145 34.6 0.0 69.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087165.D
 Acq On : 25 Jun 2025 10:03
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 25 10:45:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:38:24 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025

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

Internal Standards						
1) Bromochloromethane	7.824	128	35618	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	201156	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	183622	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	79655	32.549	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.500%			
60) 4-Bromofluorobenzene	12.847	95	89811	31.153	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.833%			
63) Toluene-d8	10.570	98	240658	28.555	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.167%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.153	85	209048	86.416	ug/l	98
3) Chloromethane	2.395	50	219144	70.260	ug/l	99
4) Vinyl Chloride	2.553	62	231029	80.487	ug/l	96
5) Bromomethane	2.977	94	121155	79.663	ug/l	96
6) Chloroethane	3.147	64	127025	72.354	ug/l	96
7) Trichlorofluoromethane	3.524	101	284892	84.743	ug/l	99
8) Diethyl Ether	3.983	74	144856	103.296	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.394	101	211983	102.887	ug/l #	89
10) 1,1-Dichloroethene	4.359	96	210381	100.157	ug/l	99
11) Methyl Iodide	4.612	142	223592	90.298	ug/l	94
12) Methyl Acetate	5.047	43	342955	147.018	ug/l	99
13) Acrolein	4.194	56	269423	1117.997	ug/l	98
14) Acrylonitrile	5.736	53	792103	729.677	ug/l	99
15) Acetone	4.447	58	221668	806.489	ug/l	88
16) Carbon Disulfide	4.736	76	599738	97.812	ug/l	99
17) Allyl chloride	5.047	41	352481	112.956	ug/l	96
18) Methylene Chloride	5.294	84	240448	98.570	ug/l	98
19) trans-1,2-Dichloroethene	5.806	96	227436	103.465	ug/l	98
20) Diisopropyl ether	6.688	45	754179	109.737	ug/l	96
21) 1,1-Dichloroethane	6.583	63	433300	104.470	ug/l	99
22) cis-1,2-Dichloroethene	7.500	96	269357	101.185	ug/l	98
23) tert-Butyl Alcohol	5.547	59	300461	861.903	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	760825	109.903	ug/l	98
25) Chloroform	7.977	83	423559	104.336	ug/l	98
26) Cyclohexane	8.265	56	380867	106.100	ug/l #	97
29) 1,1-Dichloropropene	8.377	75	308919	104.450	ug/l	100
30) 2-Butanone	7.494	43	1060369	818.271	ug/l	99
31) 2,2-Dichloropropane	7.500	77	360566	103.280	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	351600	102.554	ug/l	99
33) Carbon Tetrachloride	8.371	117	300004	102.367	ug/l	98
34) Benzene	8.612	78	974806	101.298	ug/l	96
35) Methacrylonitrile	7.788	41	210741	141.572	ug/l	93
36) 1,2-Dichloroethane	8.677	62	306293	108.618	ug/l	98
37) Trichloroethene	9.359	130	225493	84.478	ug/l	91
38) Methylcyclohexane	9.606	83	369519	112.606	ug/l	97
39) 1,2-Dichloropropane	9.624	63	243095	104.928	ug/l	96
40) Dibromomethane	9.712	93	165326	109.106	ug/l	98
41) Bromodichloromethane	9.888	83	324962	102.452	ug/l	99
42) Vinyl Acetate	6.618	43	3371109	892.461	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087165.D
 Acq On : 25 Jun 2025 10:03
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

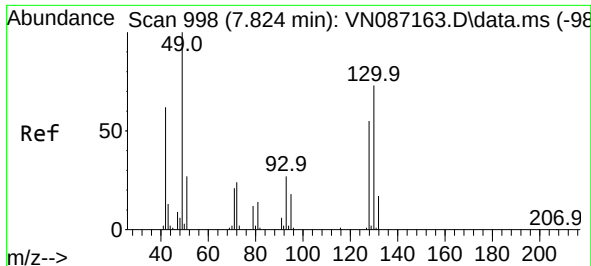
Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:45:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:38:24 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	382364	144.198	ug/l	97
44) Isopropyl Acetate	8.694	43	615849	135.389	ug/l	97
45) 1,4-Dioxane	9.706	88	88061	2178.117	ug/l #	94
46) Methyl methacrylate	9.682	41	289659	138.103	ug/l	98
47) n-amyl Acetate	12.506	43	386267	105.776	ug/l #	100
48) t-1,3-Dichloropropene	10.835	75	371754	109.526	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	392118	105.031	ug/l	98
50) 1,1,2-Trichloroethane	11.018	97	222928	104.457	ug/l	98
51) Ethyl methacrylate	10.876	69	387380	112.077	ug/l	99
52) 1,3-Dichloropropane	11.165	76	388131	102.479	ug/l	99
53) Dibromochloromethane	11.359	129	243297	100.883	ug/l	98
54) 1,2-Dibromoethane	11.470	107	239775	109.913	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	1069566	644.669	ug/l	99
56) Bromoform	12.576	173	172827	113.736	ug/l	100
58) 4-Methyl-2-Pentanone	10.447	43	1927138	715.253	ug/l	100
59) 2-Hexanone	11.200	43	1309927	678.728	ug/l	98
61) Tetrachloroethene	11.106	164	172205	55.791	ug/l	96
62) Toluene	10.629	91	1005355	97.215	ug/l	99
64) Chlorobenzene	11.894	112	655778	99.433	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	216474	99.911	ug/l	98
66) Ethyl Benzene	11.965	91	1162597	103.936	ug/l	99
67) m/p-Xylenes	12.070	106	898830	204.771	ug/l	99
68) o-Xylene	12.394	106	432376	101.641	ug/l	99
69) Styrene	12.412	104	742364	104.745	ug/l	99
70) Isopropylbenzene	12.694	105	1079915	106.734	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	370997	154.224	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	313625m	111.241	ug/l	
73) Bromobenzene	12.976	156	255120	101.447	ug/l	98
74) n-propylbenzene	13.035	91	1337231	111.580	ug/l	98
75) 2-Chlorotoluene	13.123	91	795441	103.407	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	897353	106.611	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	154353	133.783	ug/l	91
78) 4-Chlorotoluene	13.217	91	819288	107.520	ug/l	100
79) tert-butylbenzene	13.435	119	765014	105.123	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	903551	106.945	ug/l	99
81) sec-Butylbenzene	13.611	105	1098188	110.769	ug/l	99
82) p-Isopropyltoluene	13.729	119	929641	111.672	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	504027	109.250	ug/l	100
84) 1,4-Dichlorobenzene	13.811	146	503947	109.765	ug/l	99
85) n-Butylbenzene	14.053	91	837235	120.131	ug/l	98
86) Hexachloroethane	14.329	117	169893	119.744	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	478012	107.409	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	86628	171.007	ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	274932	147.614	ug/l	98
90) Hexachlorobutadiene	15.500	225	78874	98.806	ug/l	97
91) Naphthalene	15.635	128	1105491	170.116	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	274932	147.614	ug/l	98

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



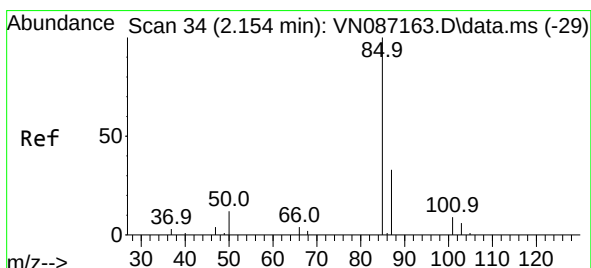
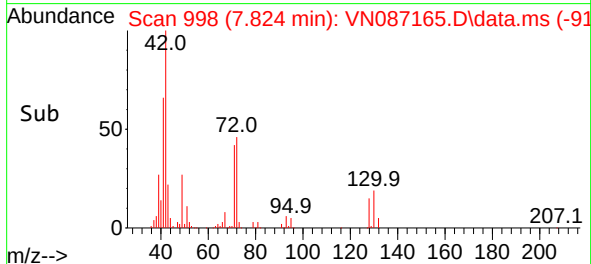
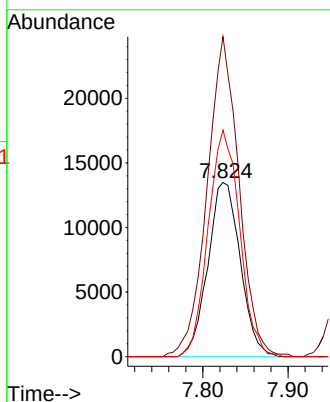
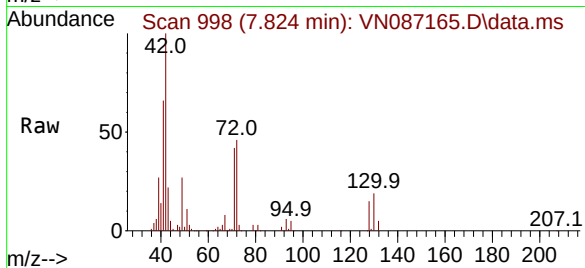
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 35618
Ion Ratio Lower Upper
128 100
49 180.9 0.0 450.5
130 127.1 0.0 320.7

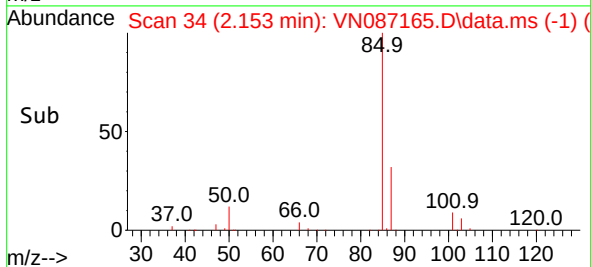
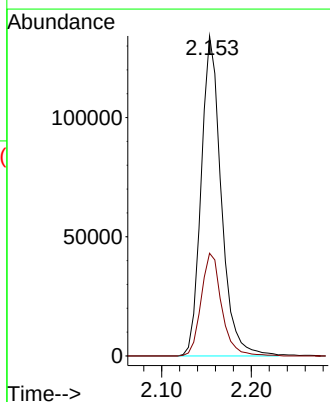
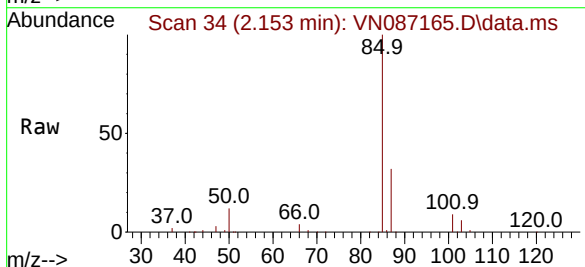
Manual Integrations
APPROVED

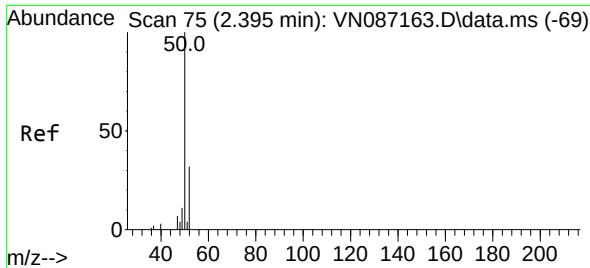
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#2
Dichlorodifluoromethane
Concen: 86.416 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

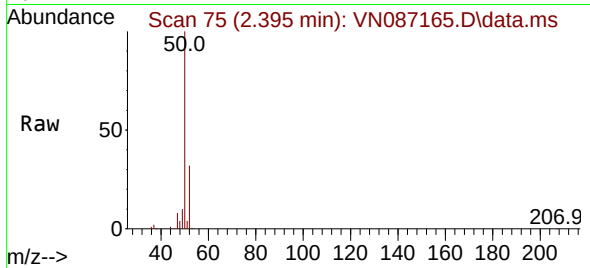
Tgt Ion: 85 Resp: 209048
Ion Ratio Lower Upper
85 100
87 32.1 16.7 50.0





#3
Chloromethane
Concen: 70.260 ug/l
RT: 2.395 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

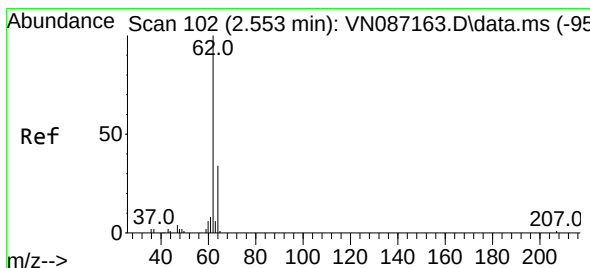
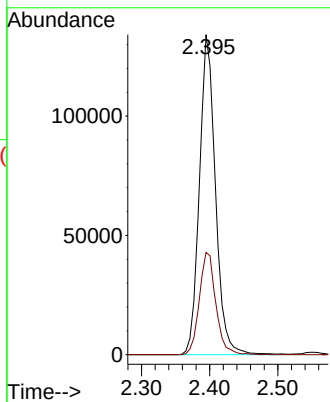
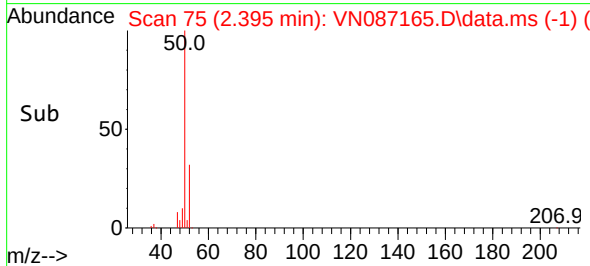
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



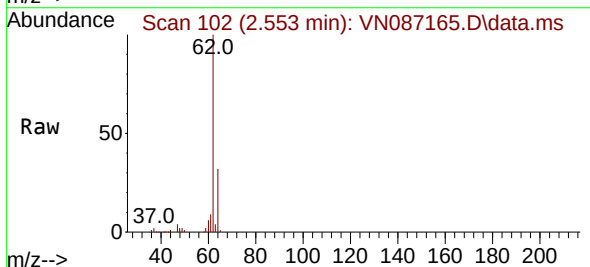
Tgt Ion: 50 Resp: 219144
Ion Ratio Lower Upper
50 100
52 32.0 25.9 38.9

Manual Integrations
APPROVED

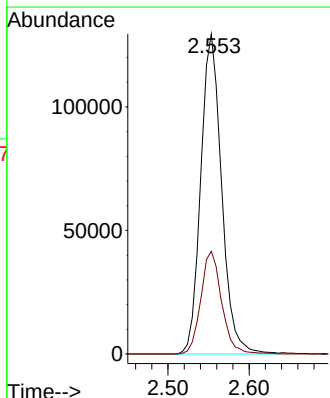
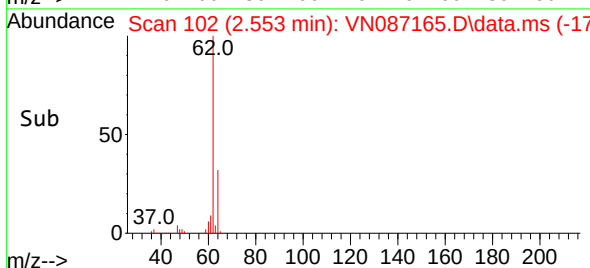
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

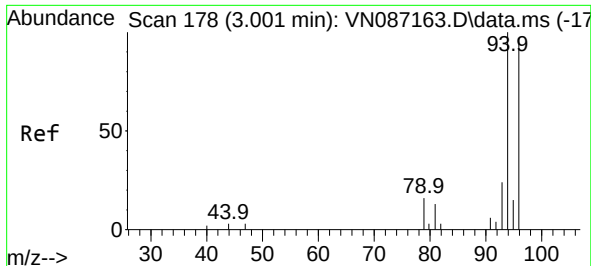


#4
Vinyl Chloride
Concen: 80.487 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03



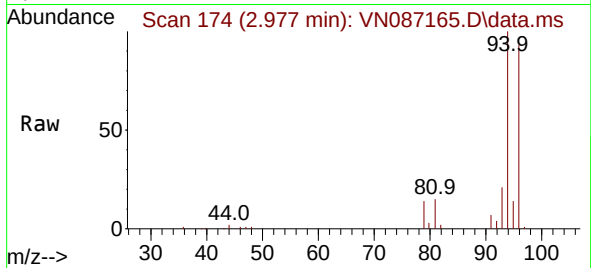
Tgt Ion: 62 Resp: 231029
Ion Ratio Lower Upper
62 100
64 32.1 27.4 41.2





#5
Bromomethane
Concen: 79.663 ug/l
RT: 2.977 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

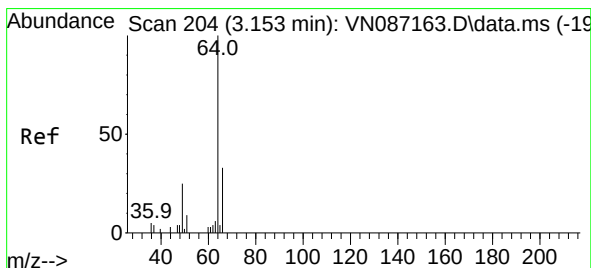
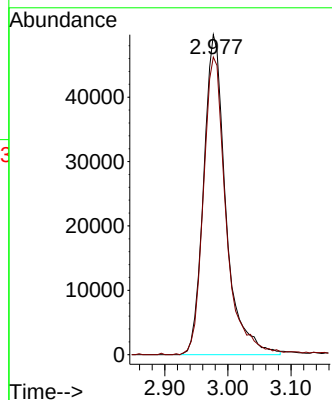
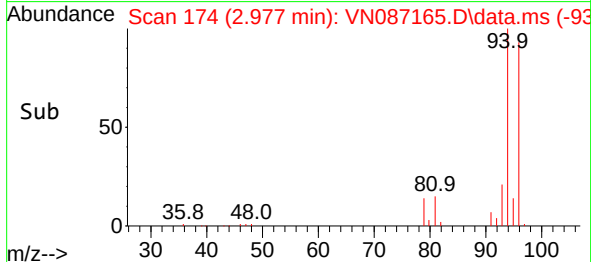
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 94 Resp: 12115
Ion Ratio Lower Upper
94 100
96 93.0 77.9 116.9

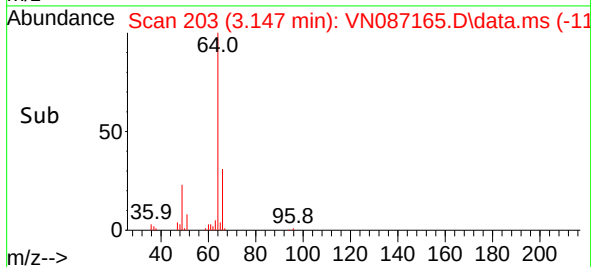
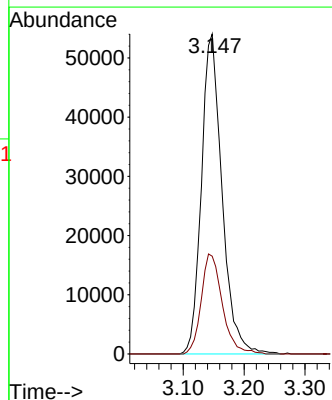
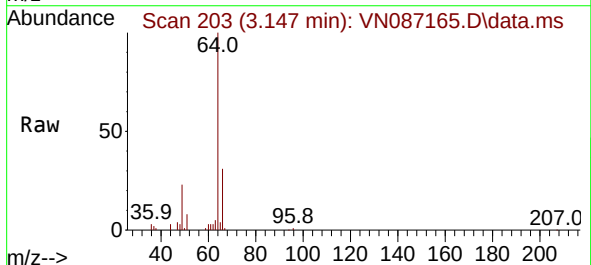
Manual Integrations
APPROVED

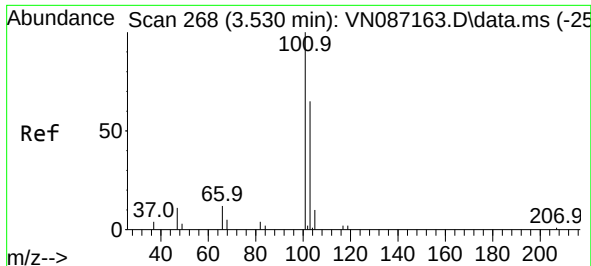
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#6
Chloroethane
Concen: 72.354 ug/l
RT: 3.147 min Scan# 203
Delta R.T. -0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

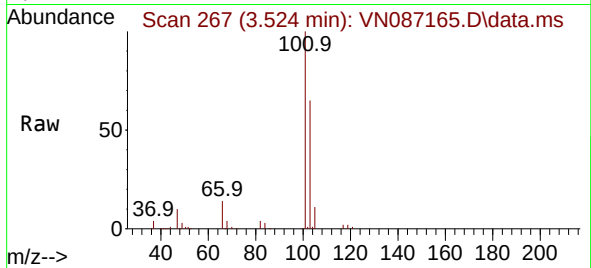
Tgt Ion: 64 Resp: 127025
Ion Ratio Lower Upper
64 100
66 30.5 26.4 39.6





#7
Trichlorofluoromethane
Concen: 84.743 ug/l
RT: 3.524 min Scan# 268
Delta R.T. -0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

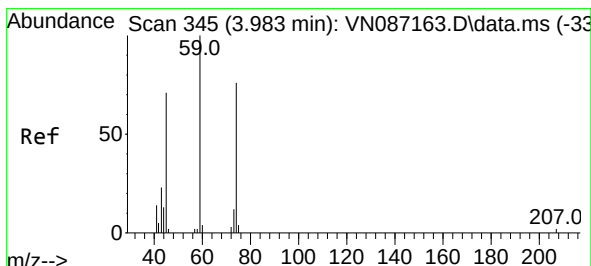
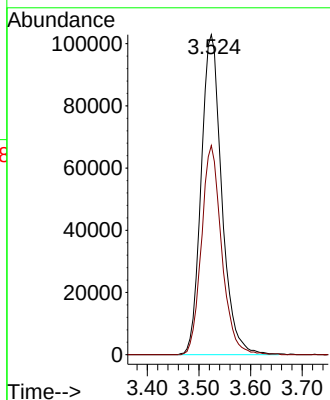
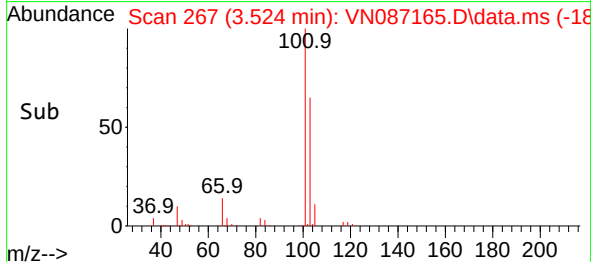
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:101 Resp: 284892
Ion Ratio Lower Upper
101 100
103 65.3 51.8 77.8

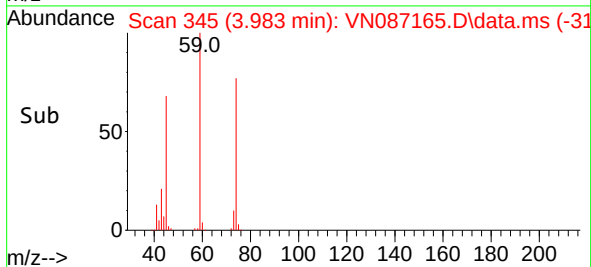
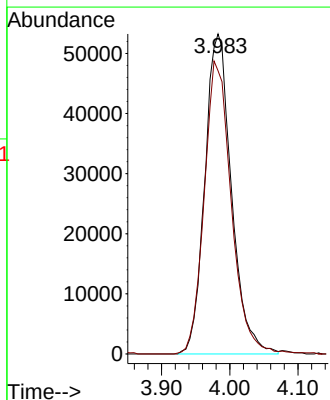
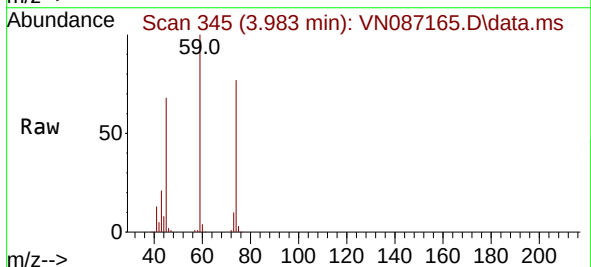
Manual Integrations
APPROVED

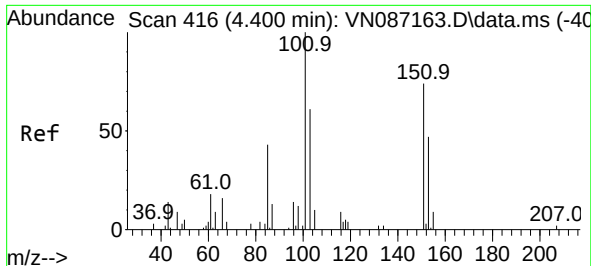
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#8
Diethyl Ether
Concen: 103.296 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Tgt Ion: 74 Resp: 144856
Ion Ratio Lower Upper
74 100
45 92.6 19.0 171.0





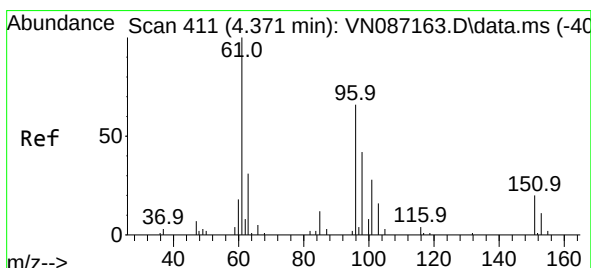
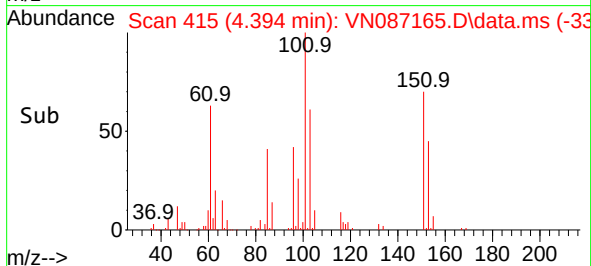
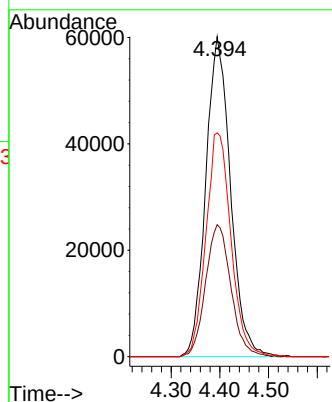
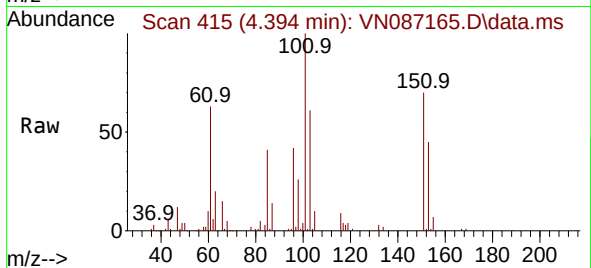
#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.887 ug/l
RT: 4.394 min Scan# 416
Delta R.T. -0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:101 Resp: 21198
Ion Ratio Lower Upper
101 100
85 42.2 0.0 40.6
151 70.9 0.0 141.2

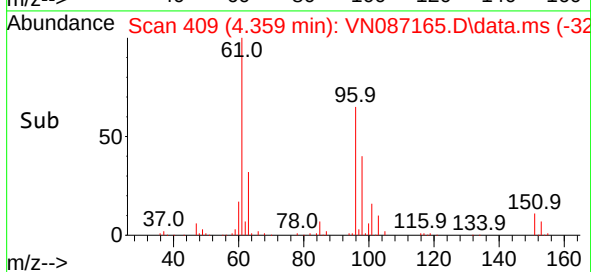
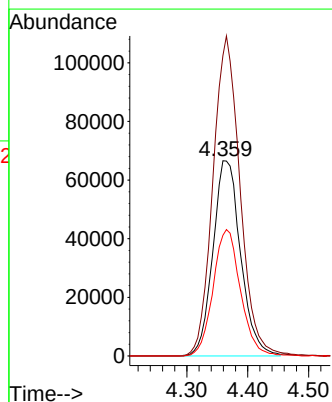
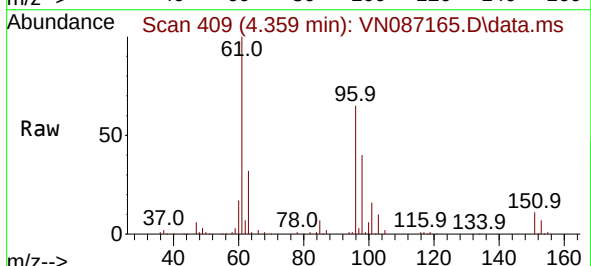
Manual Integrations
APPROVED

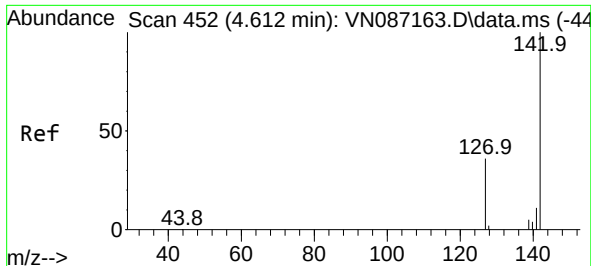
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#10
1,1-Dichloroethene
Concen: 100.157 ug/l
RT: 4.359 min Scan# 409
Delta R.T. -0.012 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

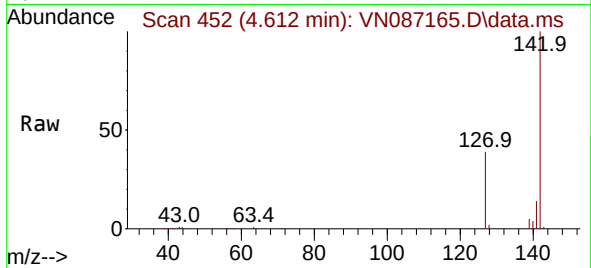
Tgt Ion: 96 Resp: 210381
Ion Ratio Lower Upper
96 100
61 153.8 122.0 183.0
98 61.8 50.3 75.5





#11
Methyl Iodide
Concen: 90.298 ug/l
RT: 4.612 min Scan# 452
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

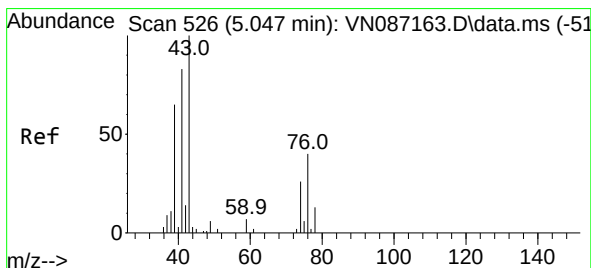
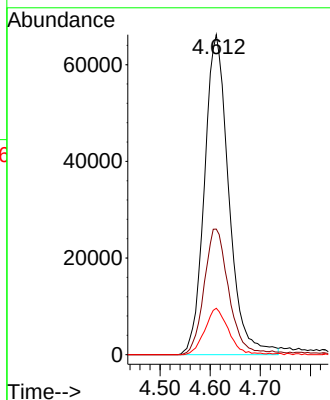
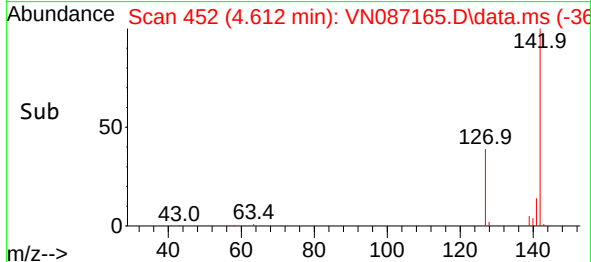
Instrument :
MSVOA_N
Client Sample Id :
VSTDIC100



Tgt Ion:142 Resp: 223592
Ion Ratio Lower Upper
142 100
127 39.2 18.1 54.1
141 14.4 5.7 17.1

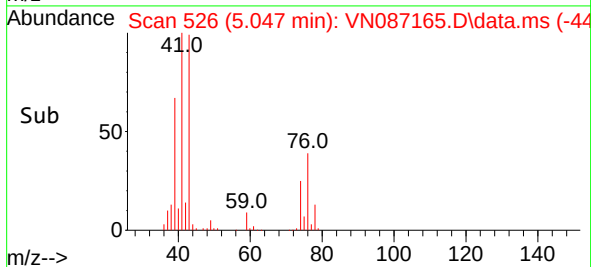
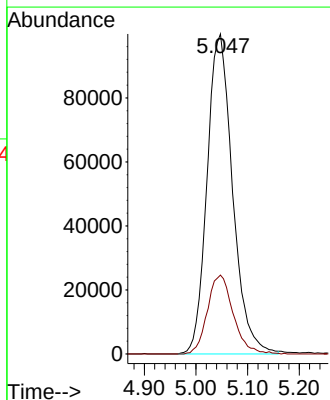
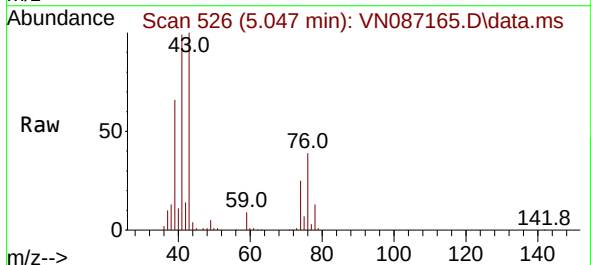
Manual Integrations
APPROVED

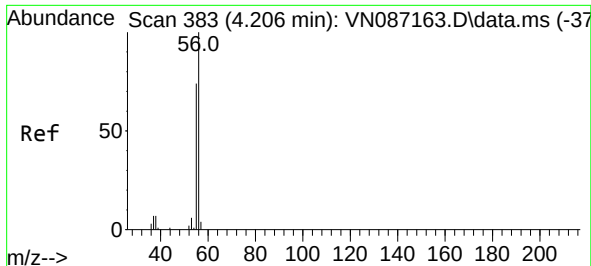
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#12
Methyl Acetate
Concen: 147.018 ug/l
RT: 5.047 min Scan# 526
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

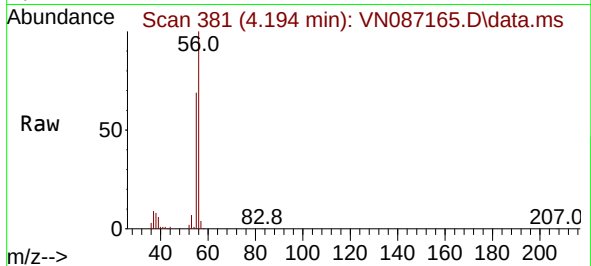
Tgt Ion: 43 Resp: 342955
Ion Ratio Lower Upper
43 100
74 24.7 20.3 30.5





#13
Acrolein
Concen: 1117.997 ug/l
RT: 4.194 min Scan# 381
Delta R.T. -0.012 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

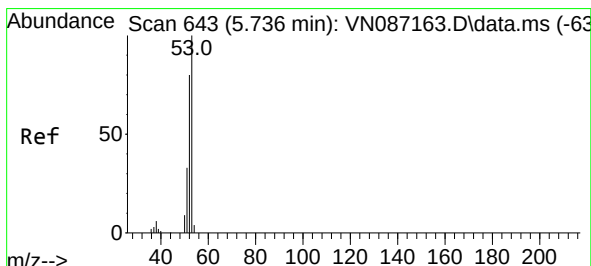
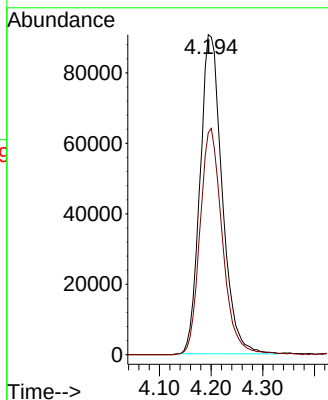
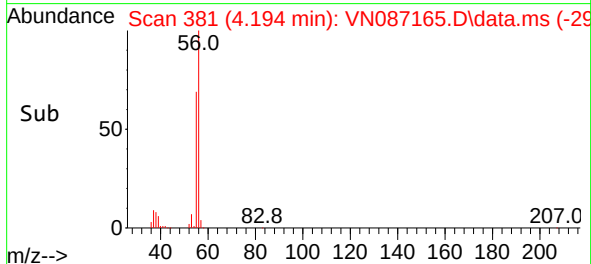
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



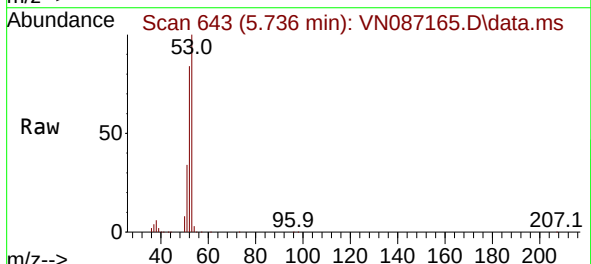
Tgt Ion: 56 Resp: 26942
Ion Ratio Lower Upper
56 100
55 71.4 55.7 83.5

Manual Integrations
APPROVED

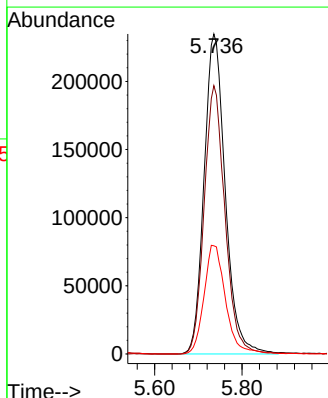
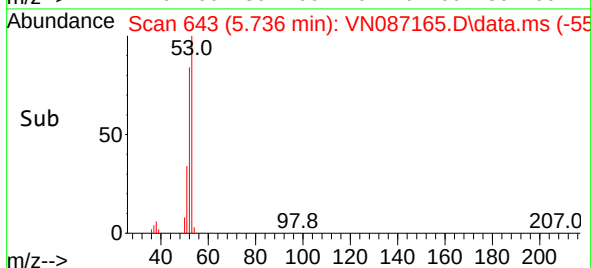
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

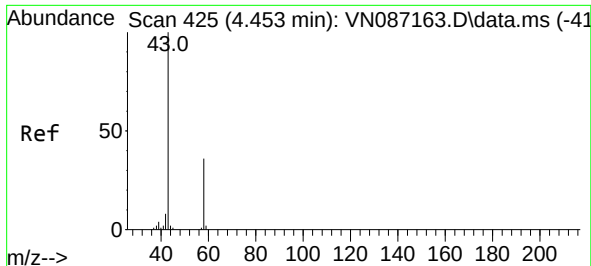


#14
Acrylonitrile
Concen: 729.677 ug/l
RT: 5.736 min Scan# 643
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03



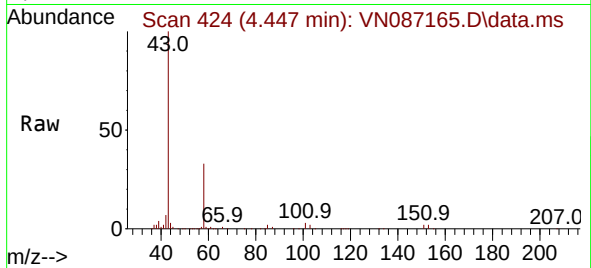
Tgt Ion: 53 Resp: 792103
Ion Ratio Lower Upper
53 100
52 82.0 40.5 121.5
51 34.4 16.9 50.7





#15
Acetone
Concen: 806.489 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

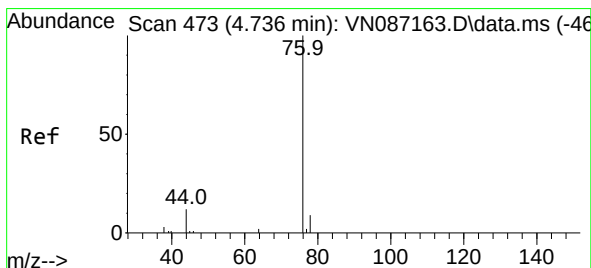
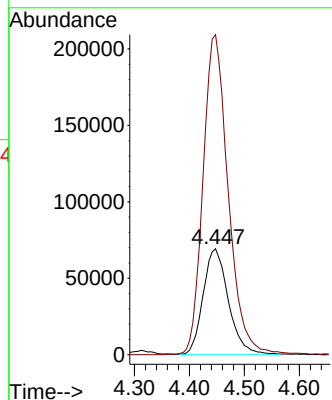
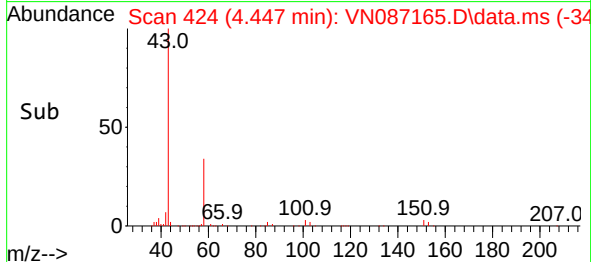
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 58 Resp: 221668
Ion Ratio Lower Upper
58 100
43 302.4 224.3 336.5

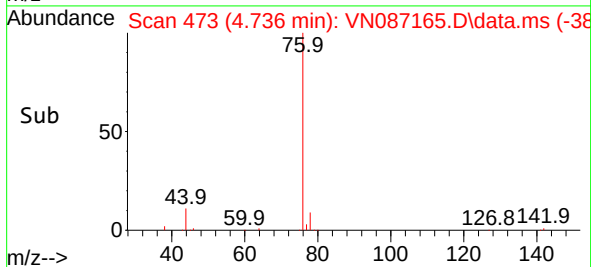
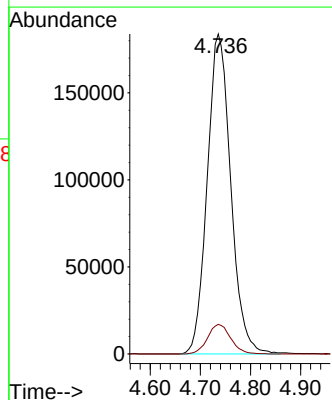
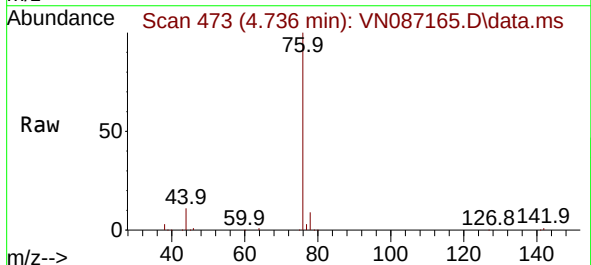
Manual Integrations
APPROVED

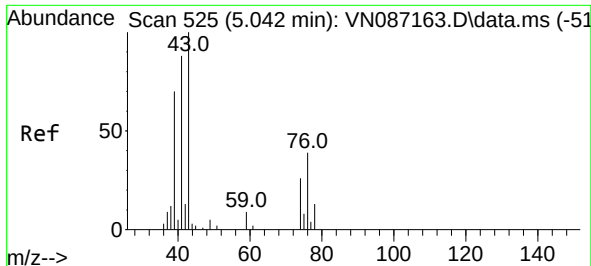
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#16
Carbon Disulfide
Concen: 97.812 ug/l
RT: 4.736 min Scan# 473
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

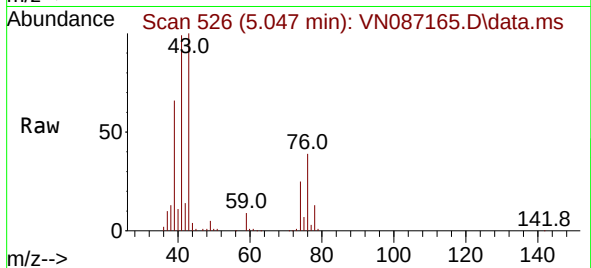
Tgt Ion: 76 Resp: 599738
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8





#17
 Allyl chloride
 Concen: 112.956 ug/l
 RT: 5.047 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN087165.D
 Acq: 25 Jun 2025 10:03

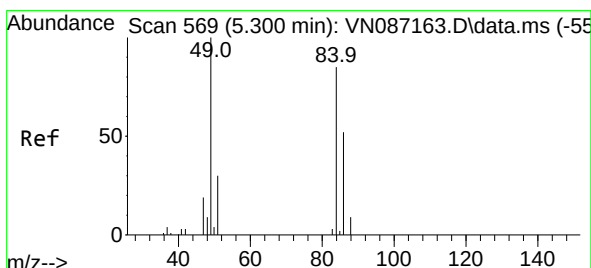
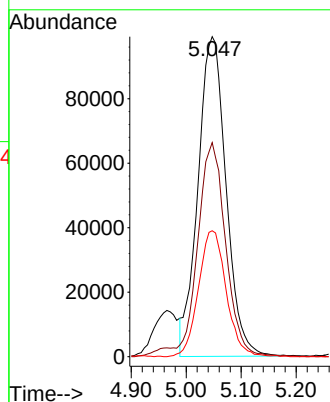
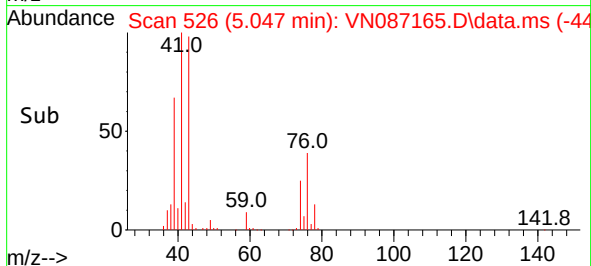
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100



Tgt Ion: 41 Resp: 35248
 Ion Ratio Lower Upper
 41 100
 39 67.0 36.0 108.0
 76 39.3 19.5 58.5

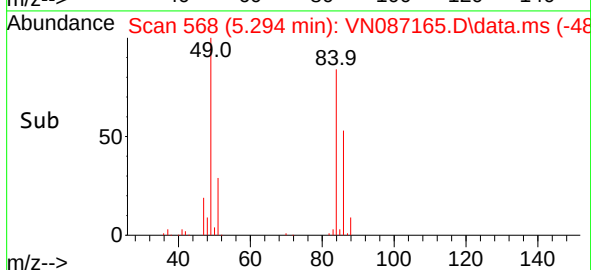
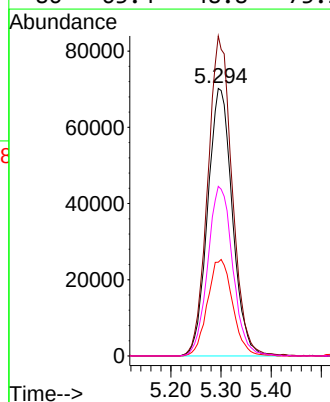
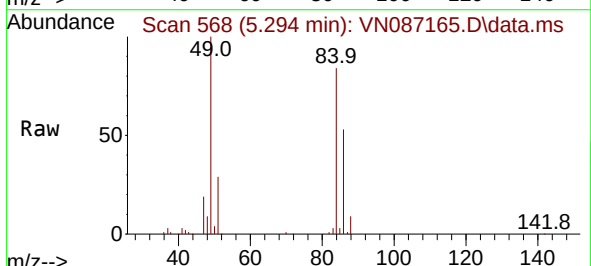
Manual Integrations
 APPROVED

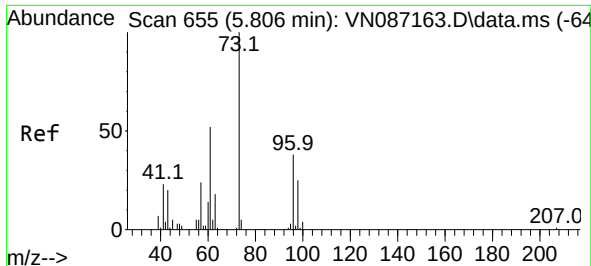
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#18
 Methylene Chloride
 Concen: 98.570 ug/l
 RT: 5.294 min Scan# 568
 Delta R.T. -0.006 min
 Lab File: VN087165.D
 Acq: 25 Jun 2025 10:03

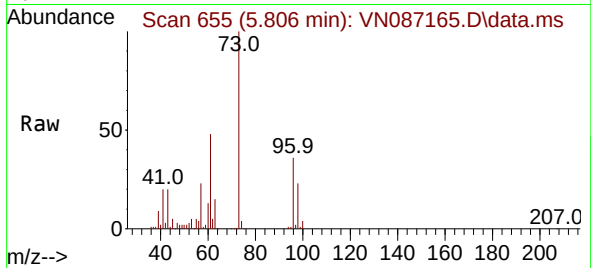
Tgt Ion: 84 Resp: 240448
 Ion Ratio Lower Upper
 84 100
 49 119.6 94.0 141.0
 51 35.1 28.3 42.5
 86 63.4 48.8 73.2





#19
trans-1,2-Dichloroethene
Concen: 103.465 ug/l
RT: 5.806 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

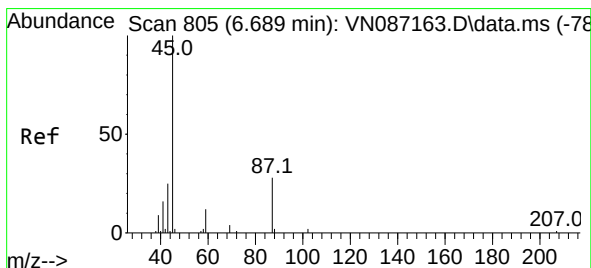
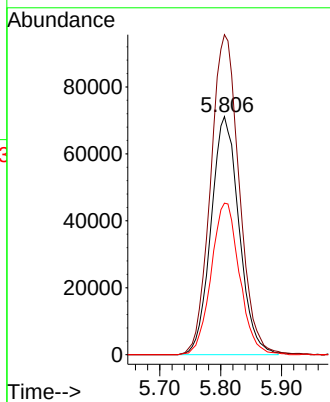
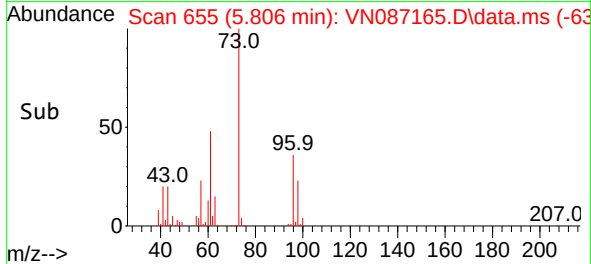
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 96 Resp: 227430
Ion Ratio Lower Upper
96 100
61 134.4 110.3 165.5
98 63.6 51.6 77.4

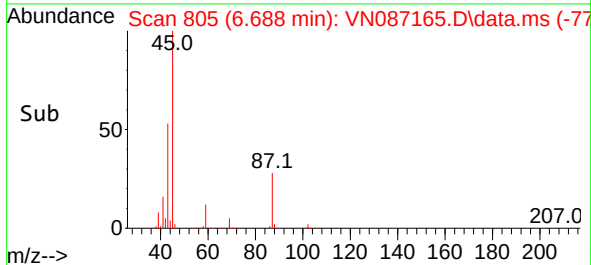
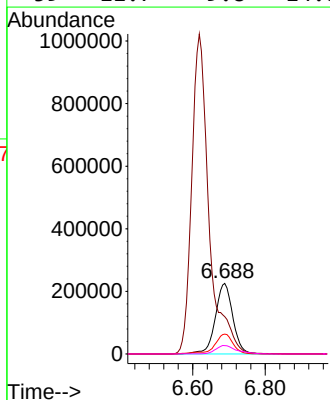
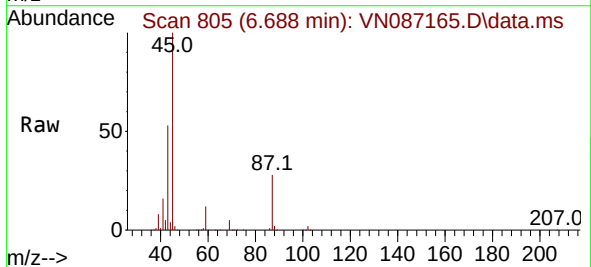
Manual Integrations
APPROVED

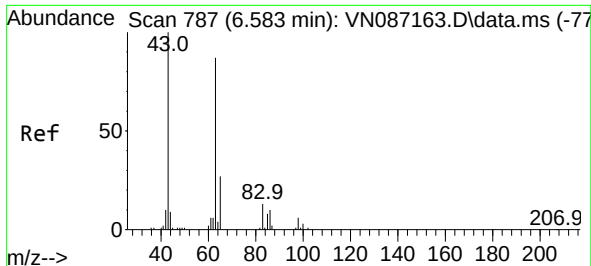
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#20
Diisopropyl ether
Concen: 109.737 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

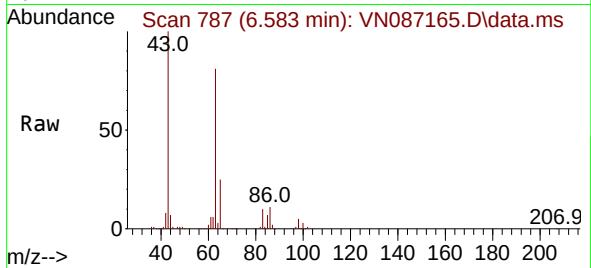
Tgt Ion: 45 Resp: 754179
Ion Ratio Lower Upper
45 100
43 52.4 45.3 67.9
87 28.1 22.6 33.8
59 11.7 9.8 14.8





#21
1,1-Dichloroethane
Concen: 104.470 ug/l
RT: 6.583 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

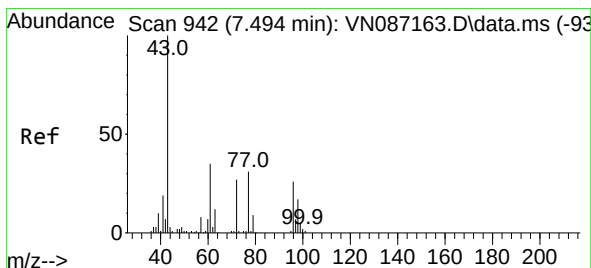
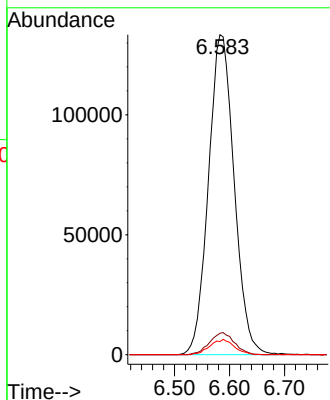
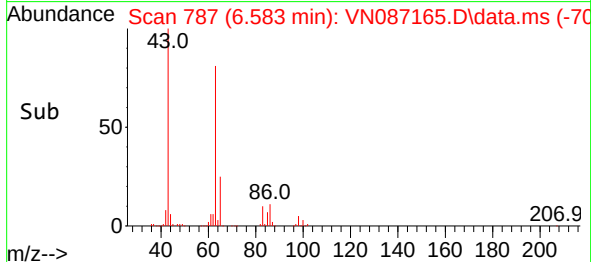
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 63 Resp: 433300
Ion Ratio Lower Upper
63 100
98 6.7 3.5 10.4
100 4.1 2.0 5.8

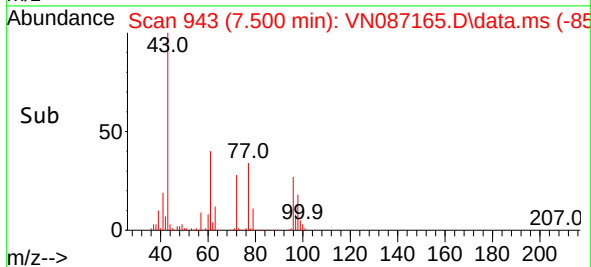
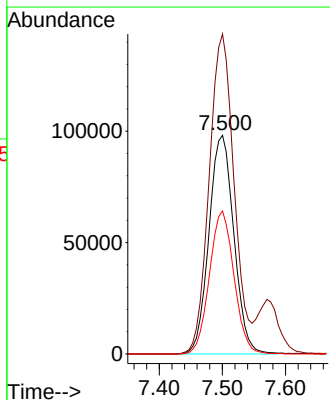
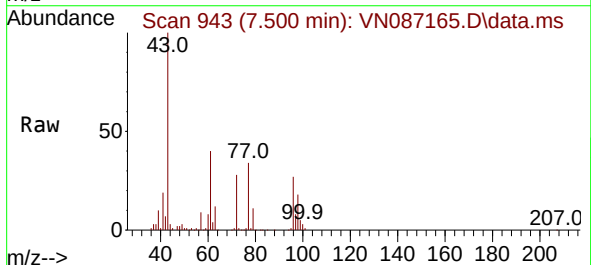
Manual Integrations
APPROVED

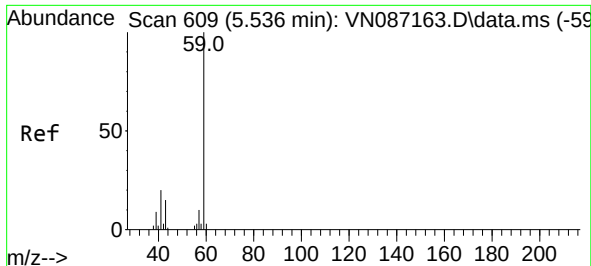
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#22
cis-1,2-Dichloroethene
Concen: 101.185 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

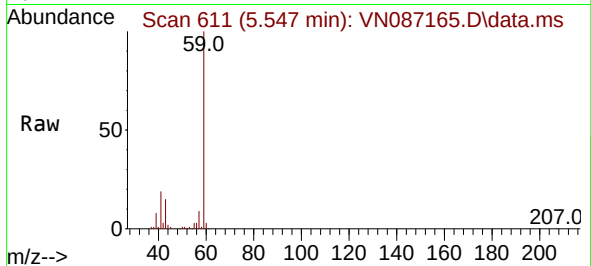
Tgt Ion: 96 Resp: 269357
Ion Ratio Lower Upper
96 100
61 146.0 119.2 178.8
98 64.2 50.6 75.8





#23
tert-Butyl Alcohol
Concen: 861.903 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

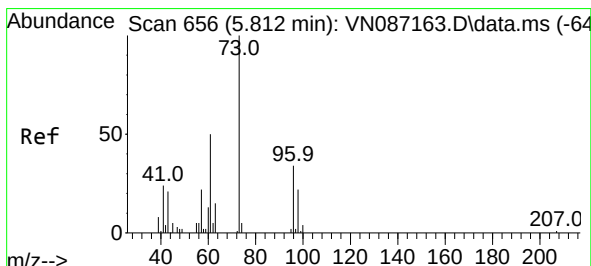
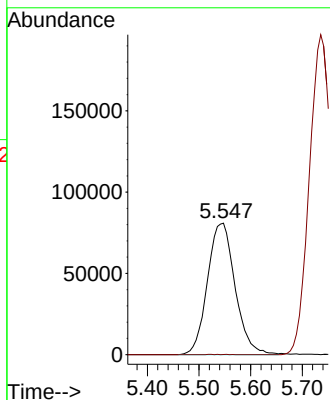
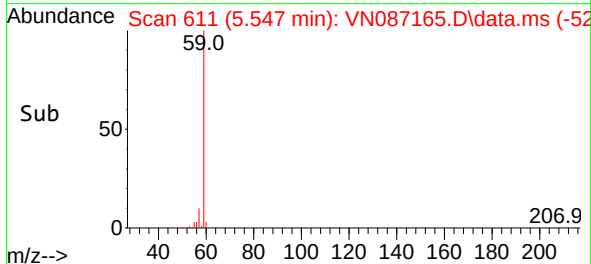
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 59 Resp: 300463
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

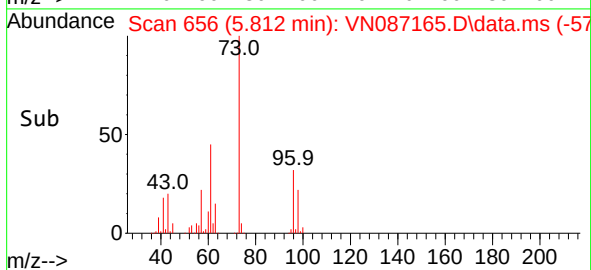
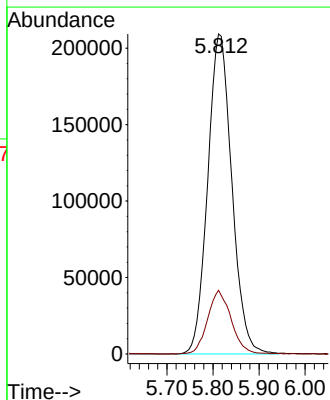
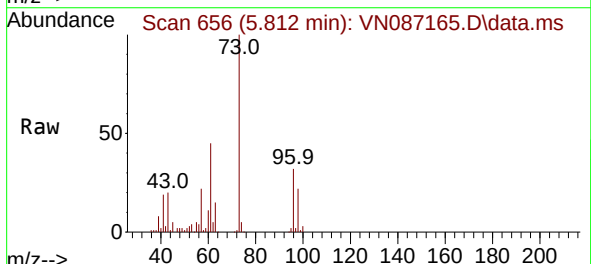
Manual Integrations
APPROVED

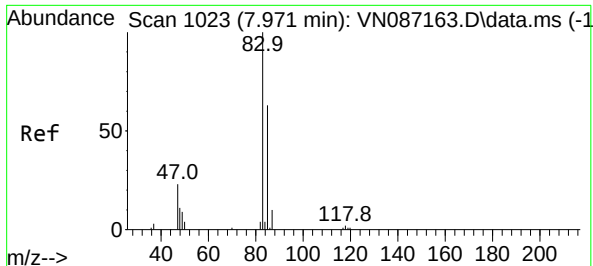
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#24
Methyl tert-Butyl Ether
Concen: 109.903 ug/l
RT: 5.812 min Scan# 656
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Tgt Ion: 73 Resp: 760825
Ion Ratio Lower Upper
73 100
43 19.3 16.4 24.6





#25

Chloroform

Concen: 104.336 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN087165.D

Acq: 25 Jun 2025 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 42355

Ion Ratio Lower Upper

83 100

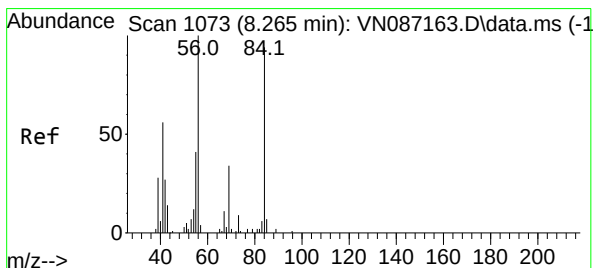
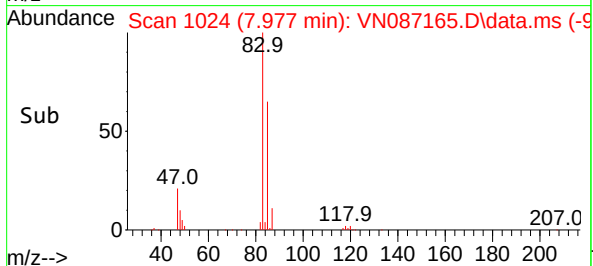
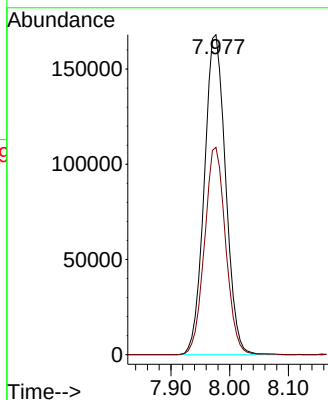
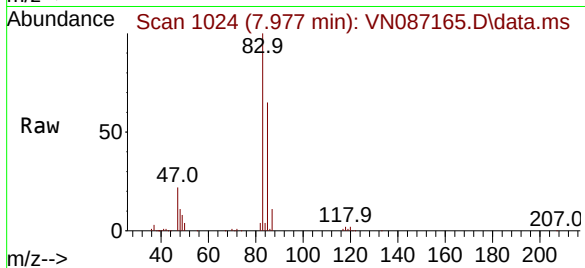
85 64.8 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#26

Cyclohexane

Concen: 106.100 ug/l

RT: 8.265 min Scan# 1073

Delta R.T. -0.000 min

Lab File: VN087165.D

Acq: 25 Jun 2025 10:03

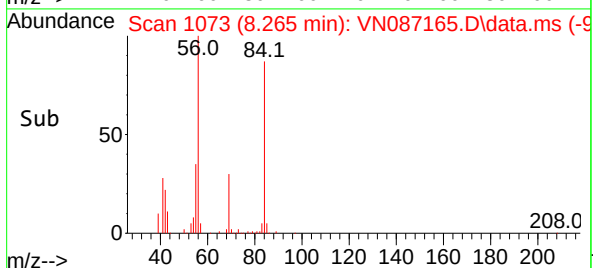
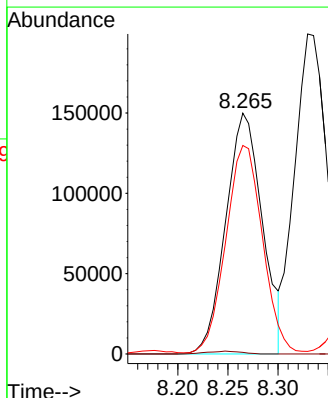
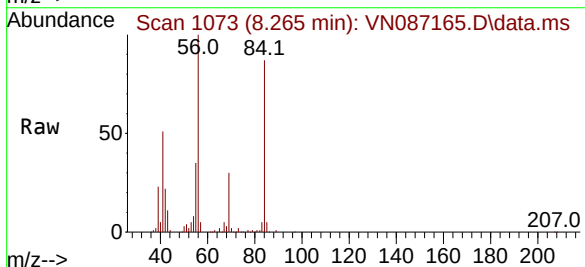
Tgt Ion: 56 Resp: 380867

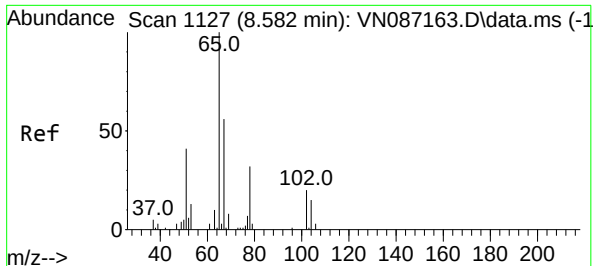
Ion Ratio Lower Upper

56 100

89 1.1 6.9 10.3#

84 87.3 69.1 103.7





#27

1,2-Dichloroethane-d4

Concen: 32.549 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN087165.D

Acq: 25 Jun 2025 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 7965

Ion Ratio Lower Upper

65 100

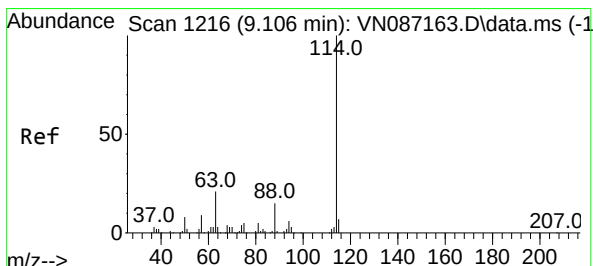
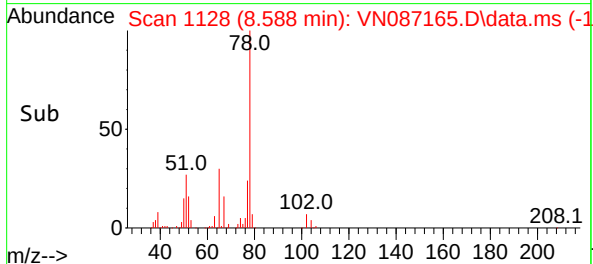
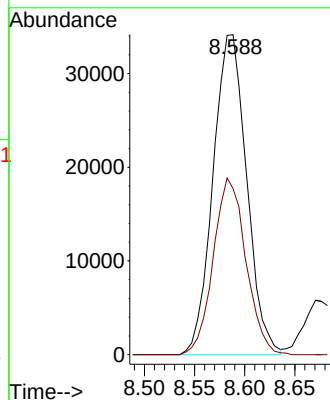
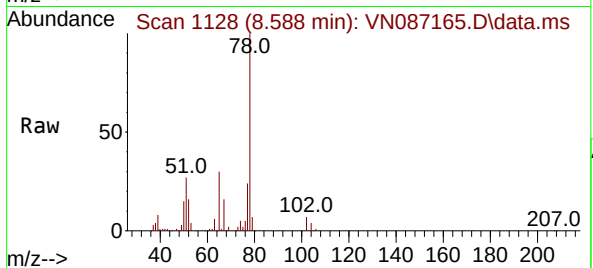
67 53.5 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087165.D

Acq: 25 Jun 2025 10:03

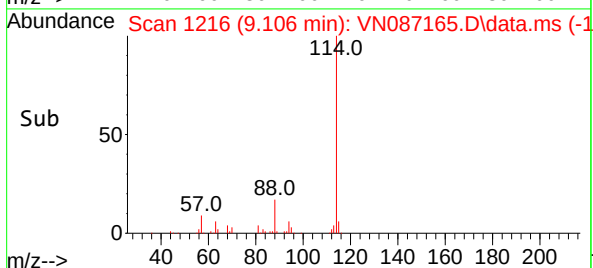
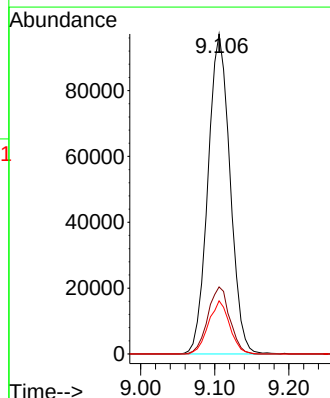
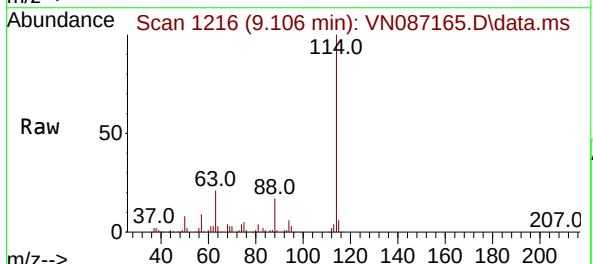
Tgt Ion:114 Resp: 201156

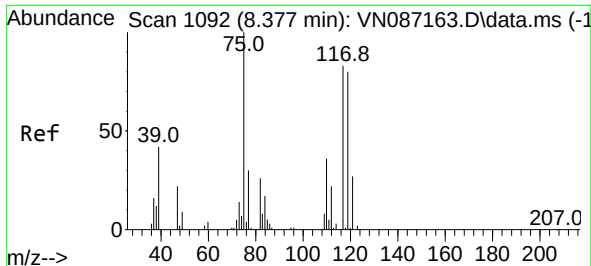
Ion Ratio Lower Upper

114 100

63 20.8 17.0 25.4

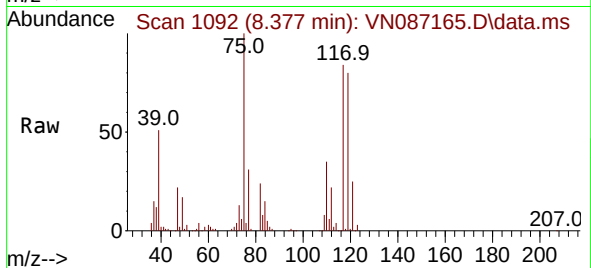
88 15.9 12.6 19.0





#29
1,1-Dichloropropene
Concen: 104.450 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

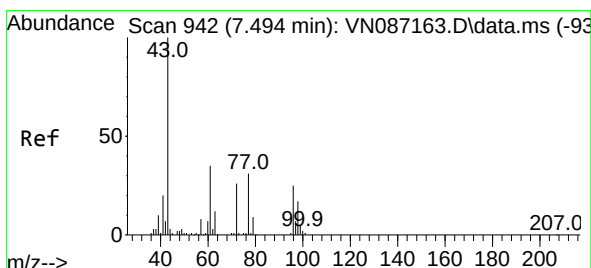
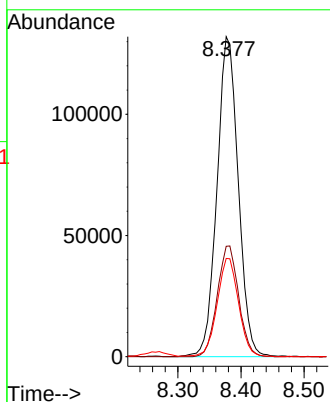
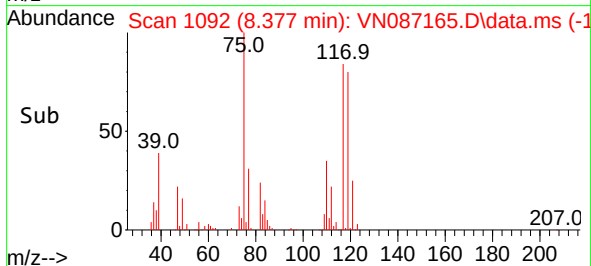
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



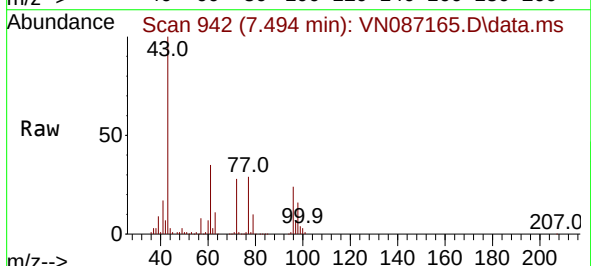
Tgt Ion: 75 Resp: 308919
Ion Ratio Lower Upper
75 100
110 34.8 0.0 69.2
77 31.1 0.0 61.8

Manual Integrations
APPROVED

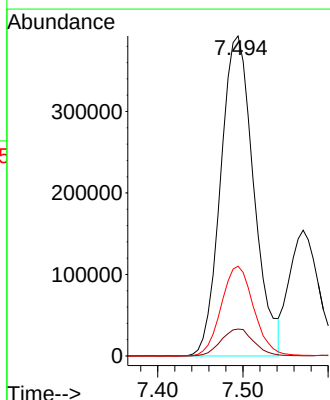
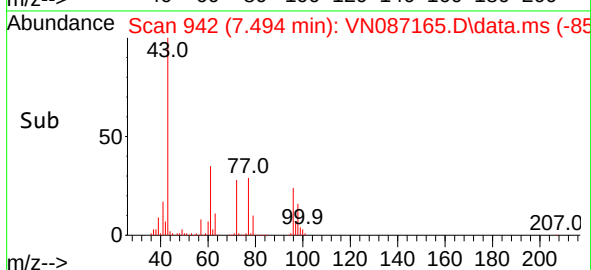
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

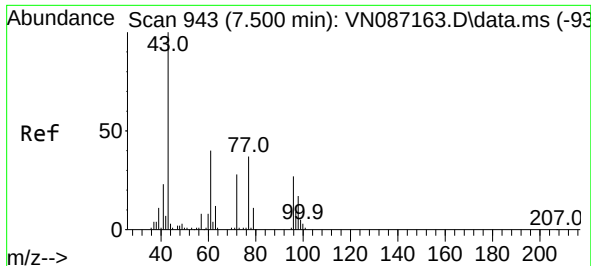


#30
2-Butanone
Concen: 818.271 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03



Tgt Ion: 43 Resp: 1060369
Ion Ratio Lower Upper
43 100
57 8.4 6.3 9.5
72 27.6 21.8 32.6





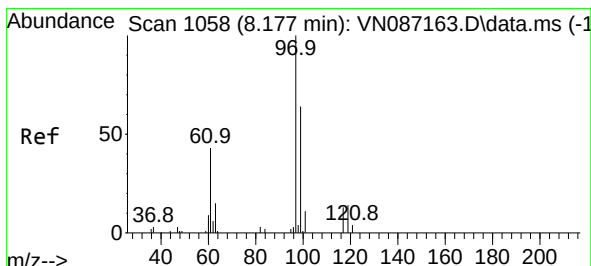
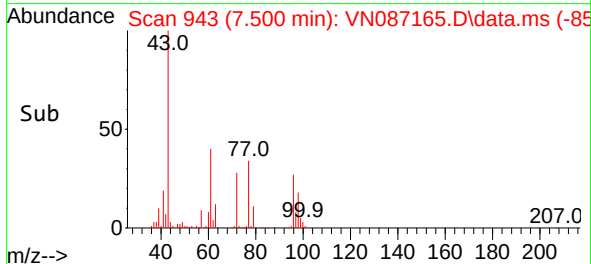
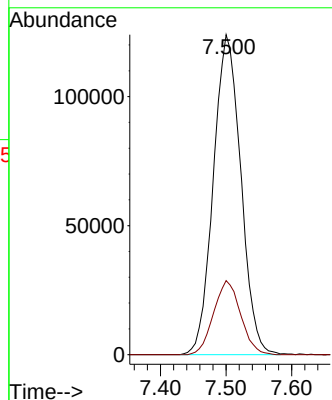
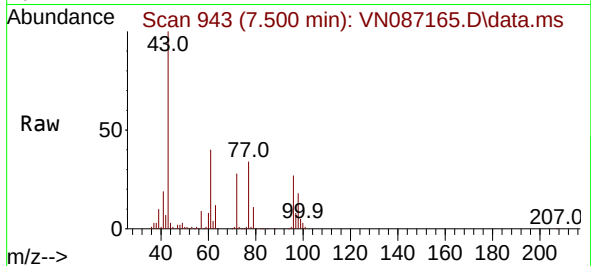
#31
2,2-Dichloropropane
Concen: 103.280 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 77 Resp: 360560
Ion Ratio Lower Upper
77 100
97 22.7 18.4 27.6

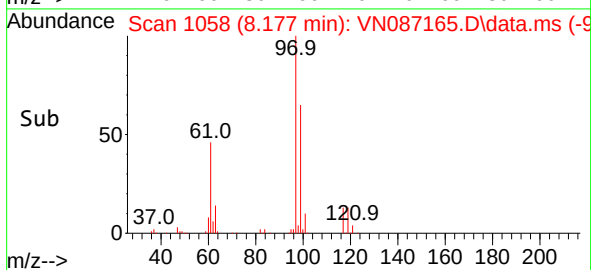
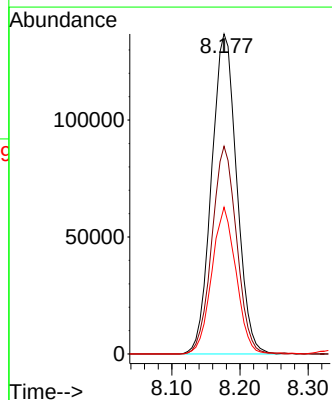
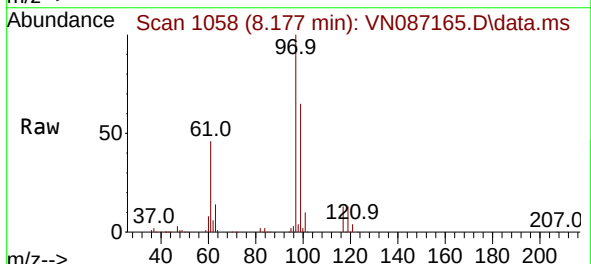
Manual Integrations
APPROVED

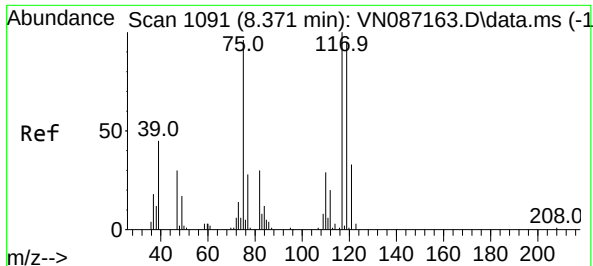
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#32
1,1,1-Trichloroethane
Concen: 102.554 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

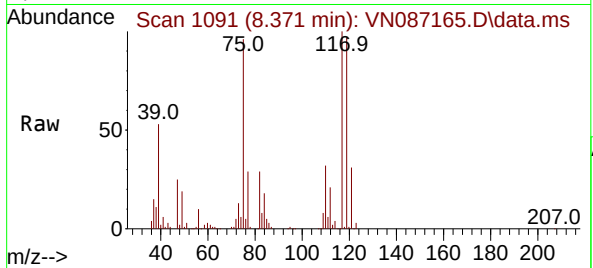
Tgt Ion: 97 Resp: 351600
Ion Ratio Lower Upper
97 100
99 63.7 50.8 76.2
61 44.3 36.1 54.1





#33
Carbon Tetrachloride
Concen: 102.367 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

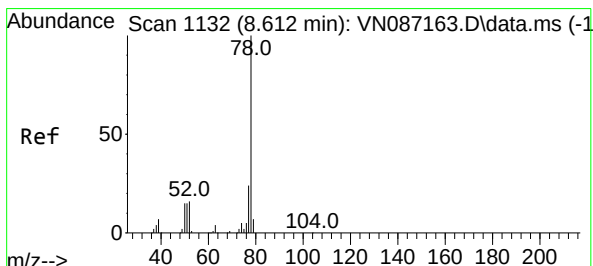
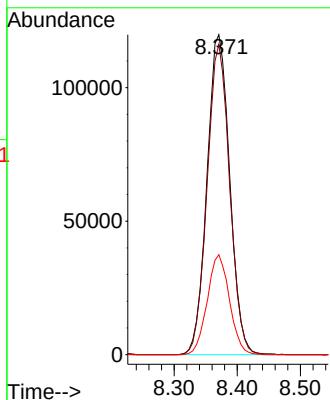
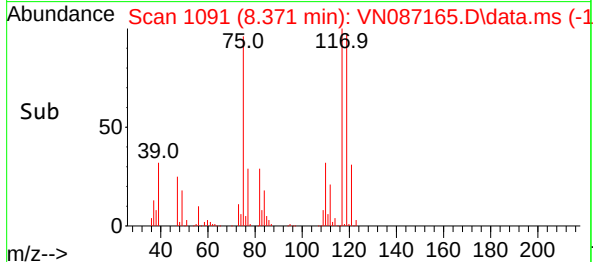
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 117 Resp: 300004
Ion Ratio Lower Upper
117 100
119 97.0 75.8 113.6
121 31.3 26.2 39.4

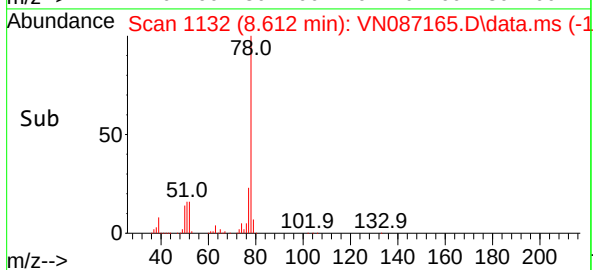
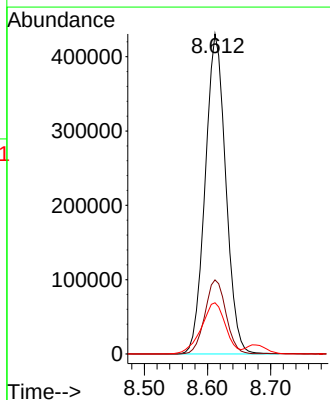
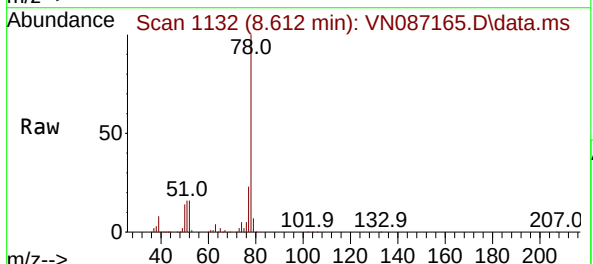
Manual Integrations
APPROVED

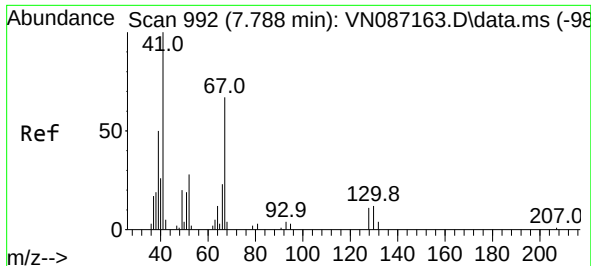
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#34
Benzene
Concen: 101.298 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

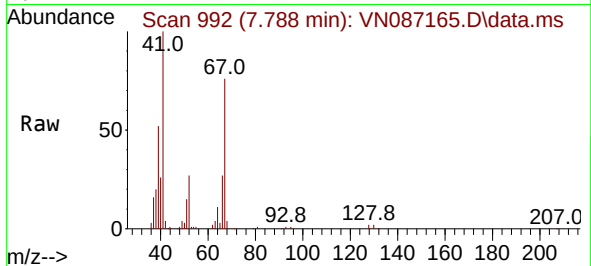
Tgt Ion: 78 Resp: 974806
Ion Ratio Lower Upper
78 100
77 23.2 19.5 29.3
51 15.7 14.8 22.2





#35
Methacrylonitrile
Concen: 141.572 ug/l
RT: 7.788 min Scan# 992
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

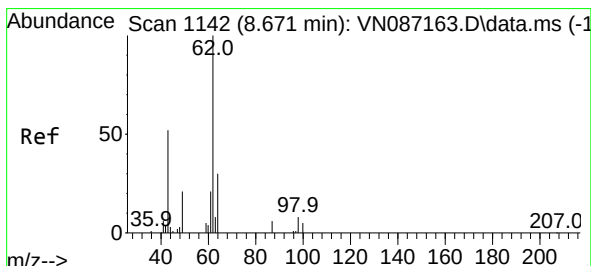
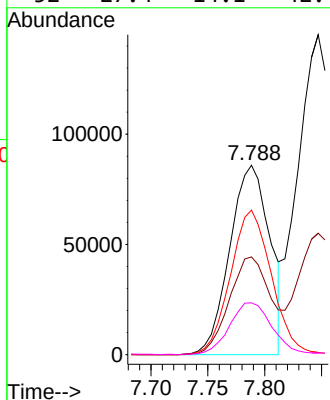
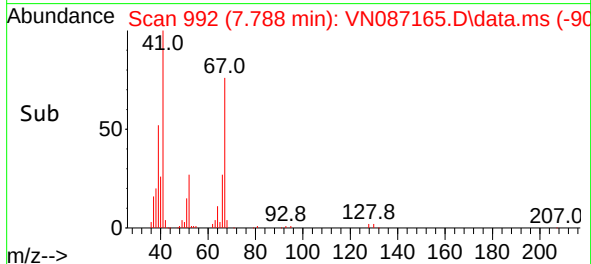
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.6	24.4	73.2
67	76.4	33.3	99.8
52	27.4	14.1	42.4

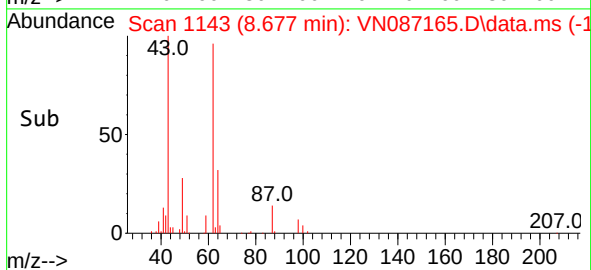
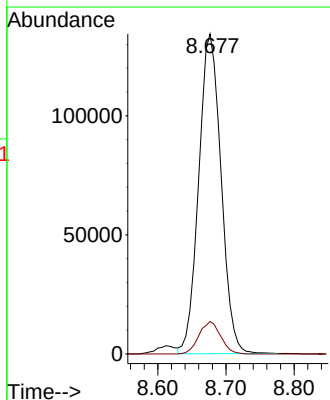
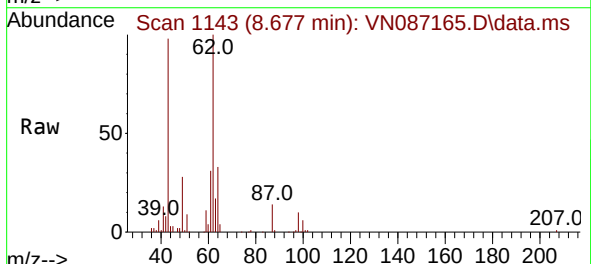
Manual Integrations
APPROVED

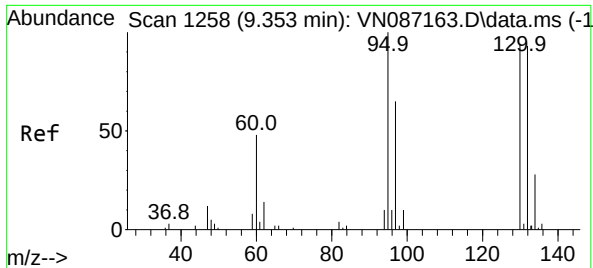
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#36
1,2-Dichloroethane
Concen: 108.618 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

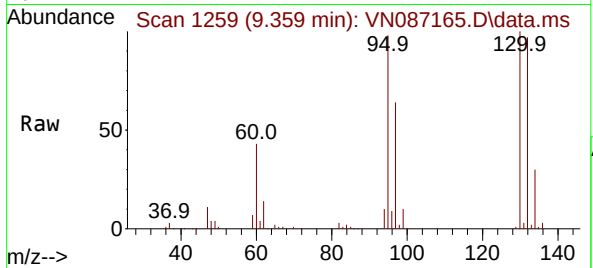
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	7.2	10.8





#37
Trichloroethene
Concen: 84.478 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

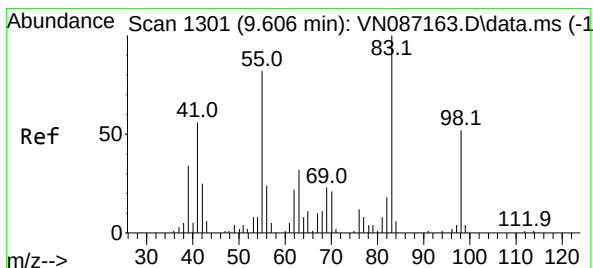
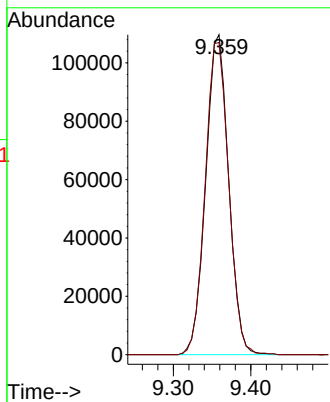
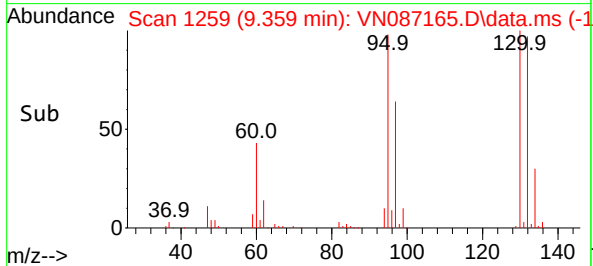
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:130 Resp: 22549
Ion Ratio Lower Upper
130 100
95 97.6 85.3 127.9

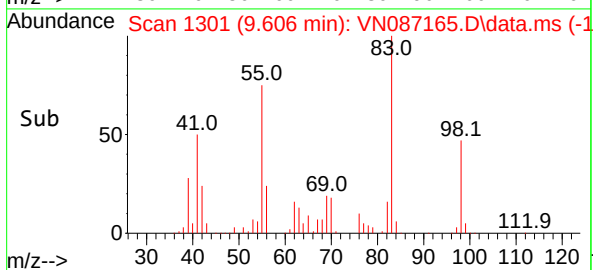
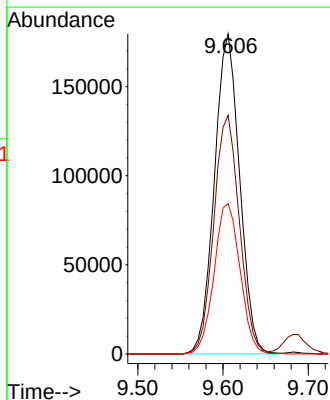
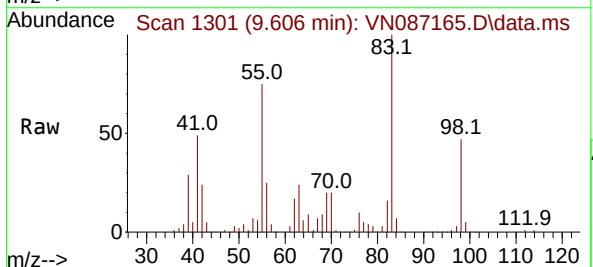
Manual Integrations
APPROVED

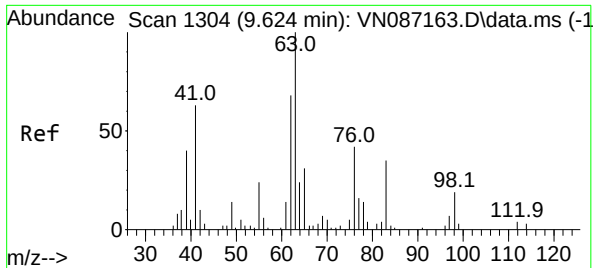
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#38
Methylcyclohexane
Concen: 112.606 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

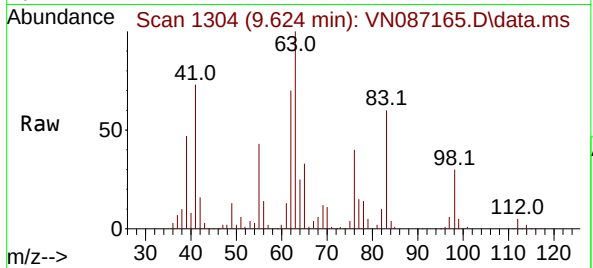
Tgt Ion: 83 Resp: 369519
Ion Ratio Lower Upper
83 100
55 75.6 40.1 120.2
98 48.3 24.4 73.2





#39
1,2-Dichloropropane
Concen: 104.928 ug/l
RT: 9.624 min Scan# 1304
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

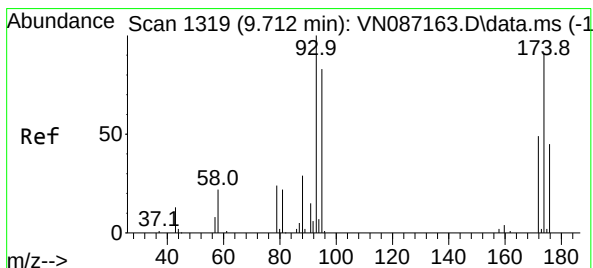
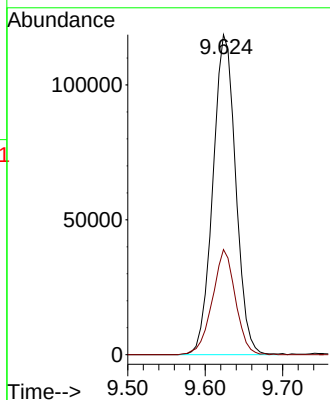
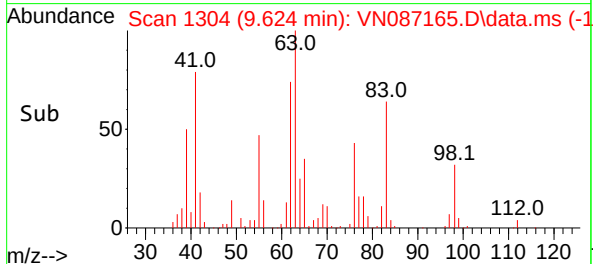
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



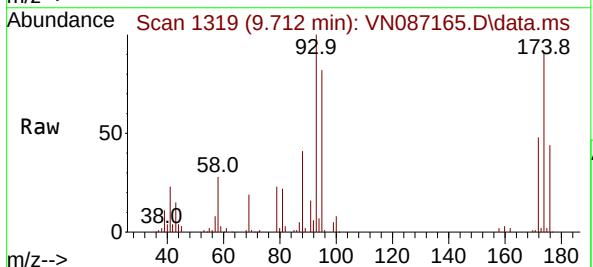
Tgt Ion: 63 Resp: 24309
Ion Ratio Lower Upper
63 100
65 32.9 24.6 36.8

Manual Integrations
APPROVED

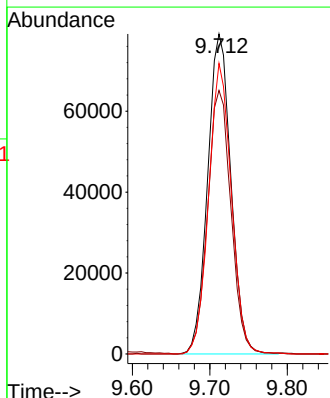
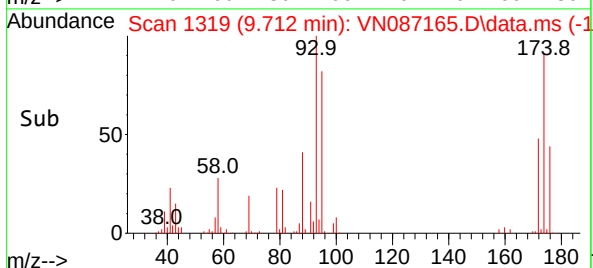
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

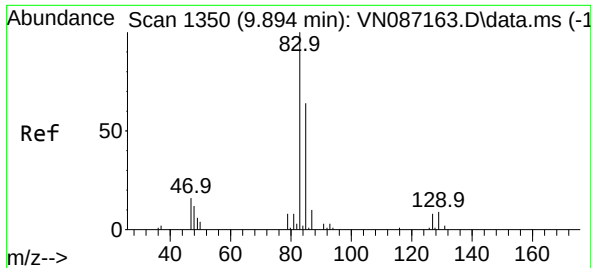


#40
Dibromomethane
Concen: 109.106 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03



Tgt Ion: 93 Resp: 165326
Ion Ratio Lower Upper
93 100
95 82.6 0.0 170.8
174 88.6 0.0 176.6





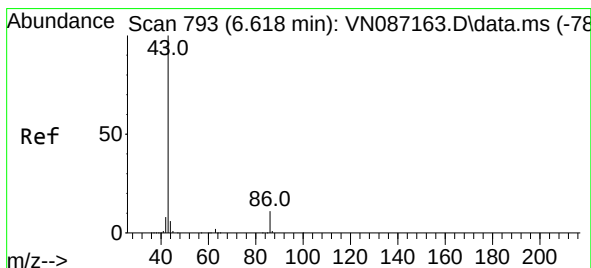
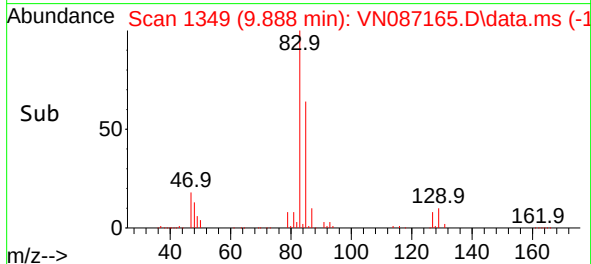
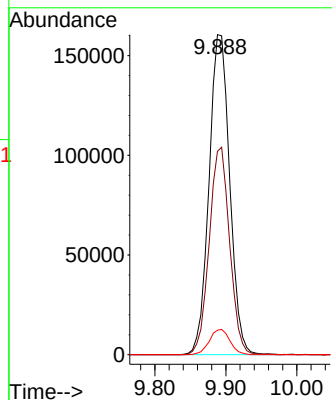
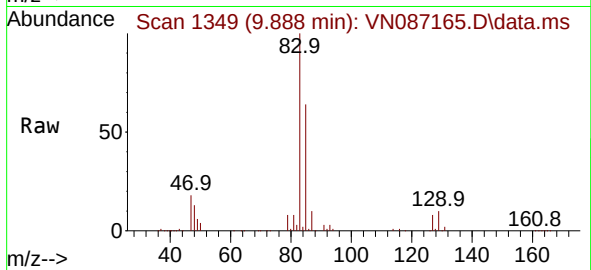
#41
Bromodichloromethane
Concen: 102.452 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 324962
Ion Ratio Lower Upper
83 100
85 63.5 51.4 77.2
127 7.6 6.1 9.1

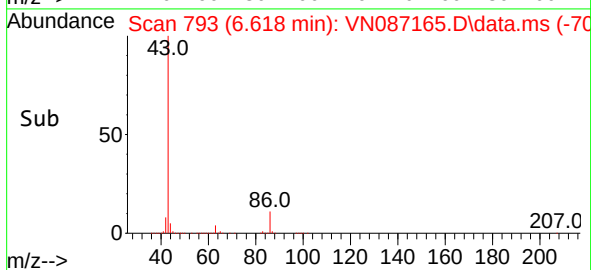
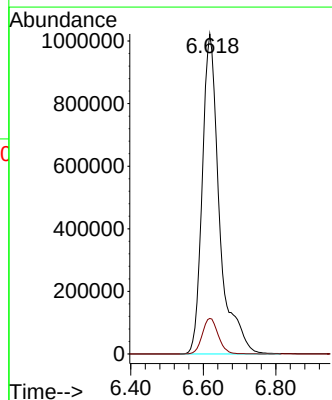
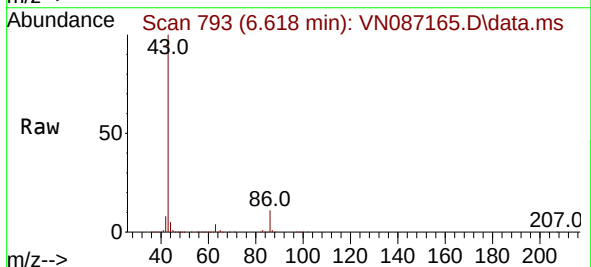
Manual Integrations
APPROVED

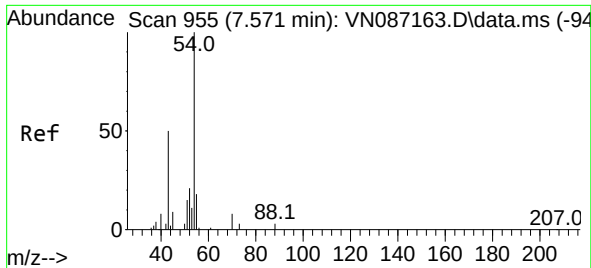
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#42
Vinyl Acetate
Concen: 892.461 ug/l
RT: 6.618 min Scan# 793
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

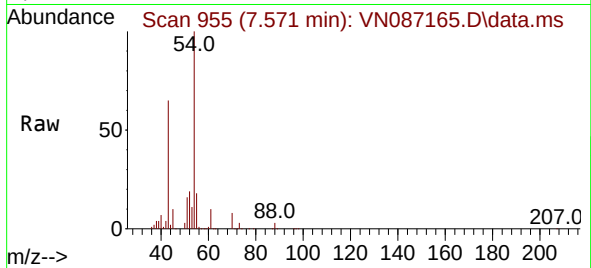
Tgt Ion: 43 Resp: 3371109
Ion Ratio Lower Upper
43 100
86 10.3 7.7 11.5





#43
Ethyl Acetate
Concen: 144.198 ug/l
RT: 7.571 min Scan# 911
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

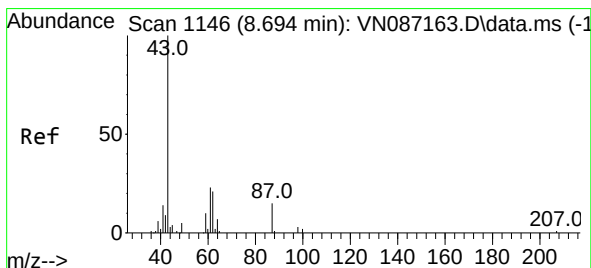
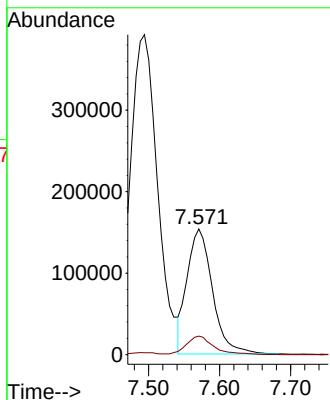
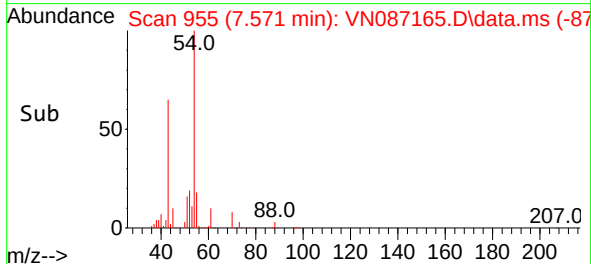
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



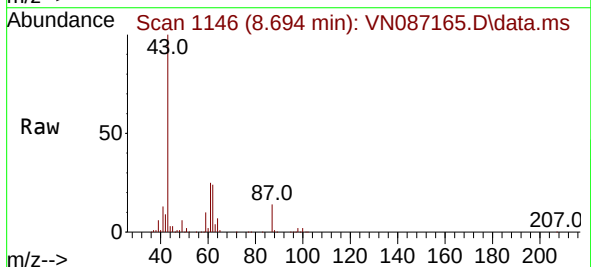
Tgt Ion: 43 Resp: 382364
Ion Ratio Lower Upper
43 100
45 15.7 11.5 17.3

Manual Integrations
APPROVED

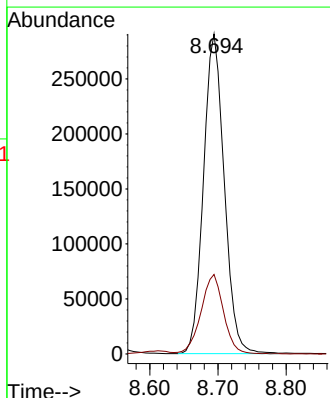
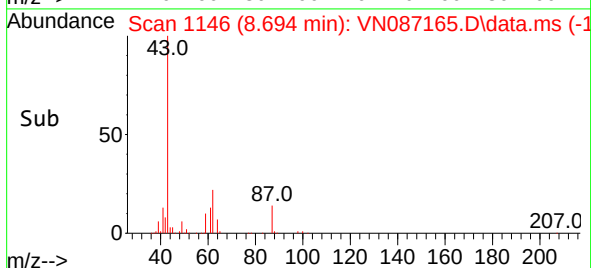
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

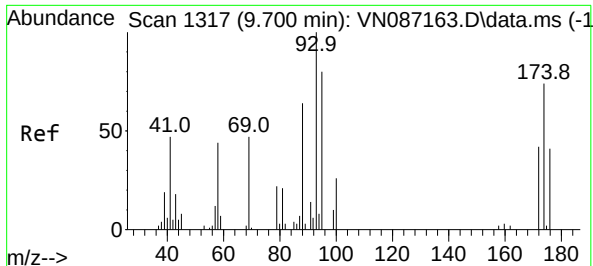


#44
Isopropyl Acetate
Concen: 135.389 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03



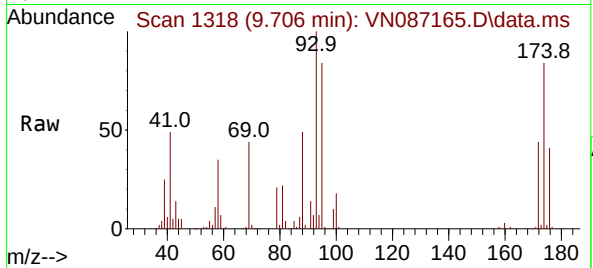
Tgt Ion: 43 Resp: 615849
Ion Ratio Lower Upper
43 100
61 27.1 20.5 30.7





#45
1,4-Dioxane
Concen: 2178.117 ug/l
RT: 9.706 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

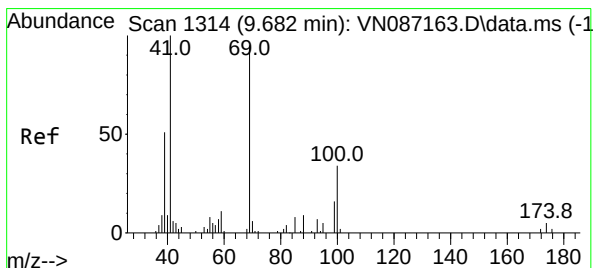
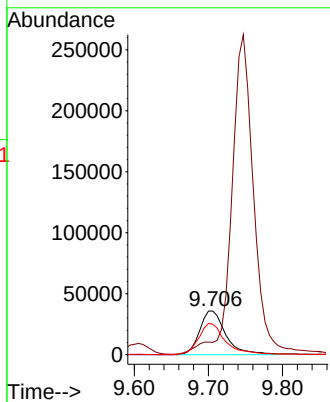
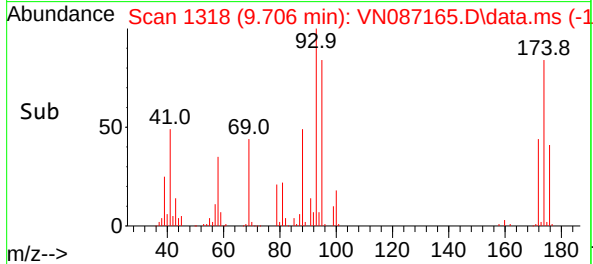
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



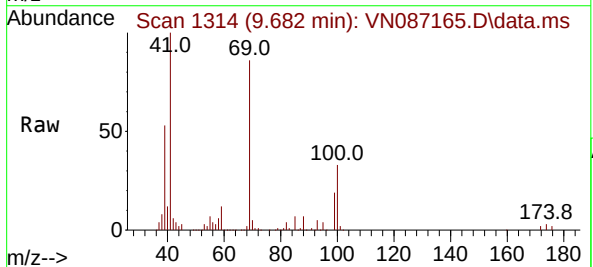
Tgt Ion: 88 Resp: 8806
Ion Ratio Lower Upper
88 100
43 20.7 21.3 31.9
58 73.1 61.7 92.5

Manual Integrations
APPROVED

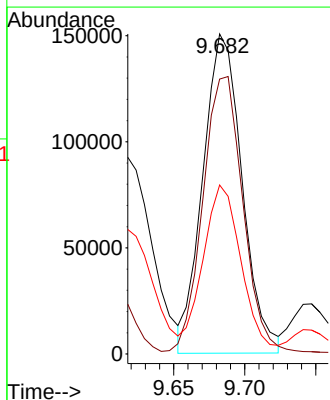
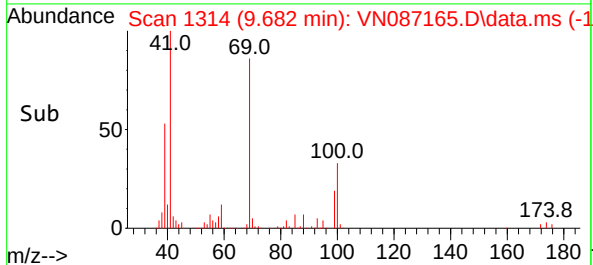
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

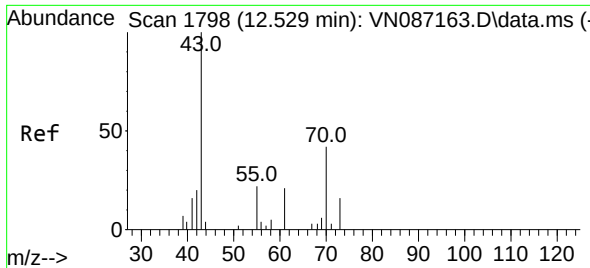


#46
Methyl methacrylate
Concen: 138.103 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03



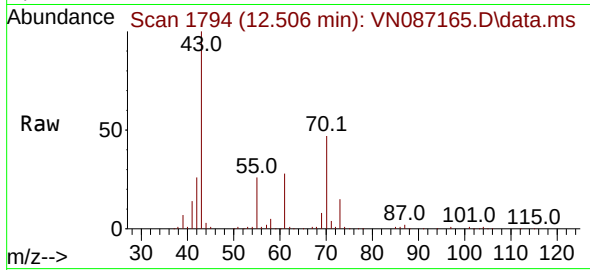
Tgt Ion: 41 Resp: 289659
Ion Ratio Lower Upper
41 100
69 88.3 45.6 136.9
39 53.0 26.2 78.5





#47
n-amy1 Acetate
Concen: 105.776 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. -0.024 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

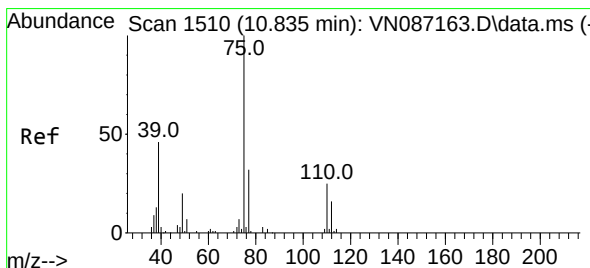
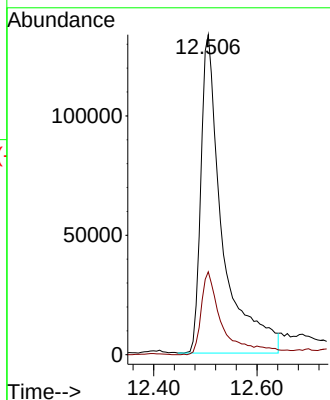
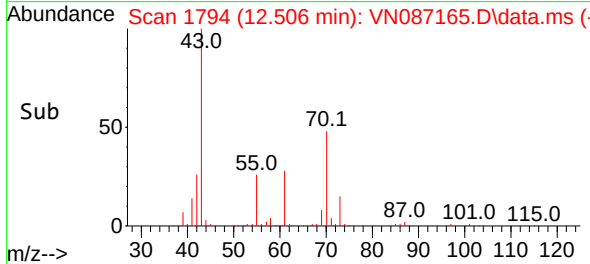
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 38626
Ion Ratio Lower Upper
43 100
55 23.5 0.0 0.0

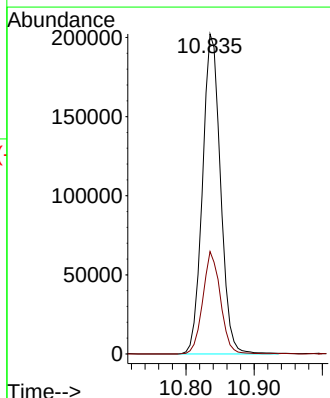
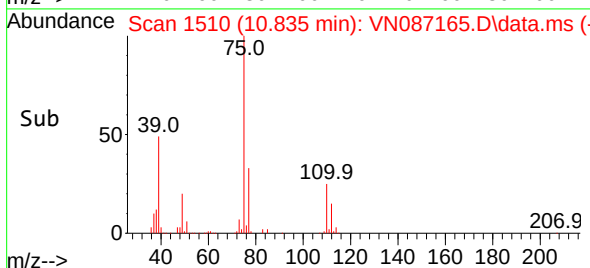
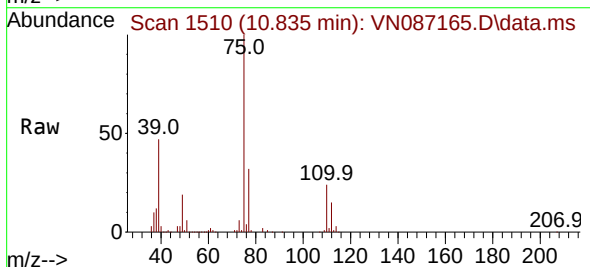
Manual Integrations
APPROVED

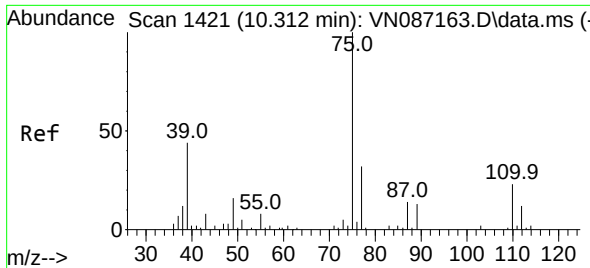
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#48
t-1,3-Dichloropropene
Concen: 109.526 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

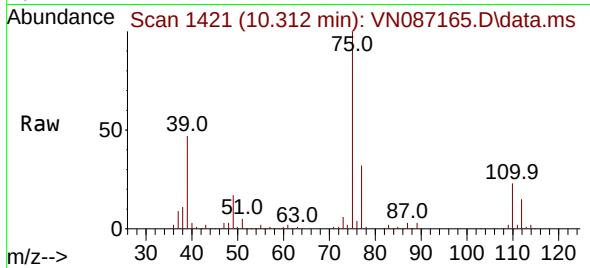
Tgt Ion: 75 Resp: 371754
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.0





#49
 cis-1,3-Dichloropropene
 Concen: 105.031 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.000 min
 Lab File: VN087165.D
 Acq: 25 Jun 2025 10:03

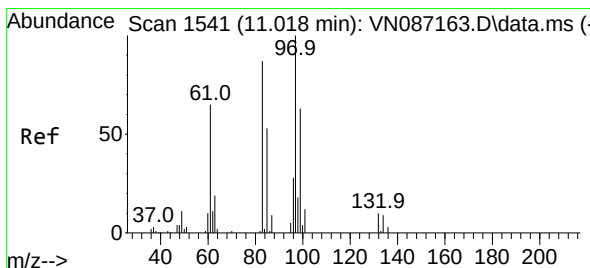
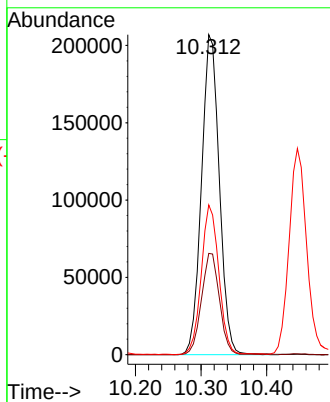
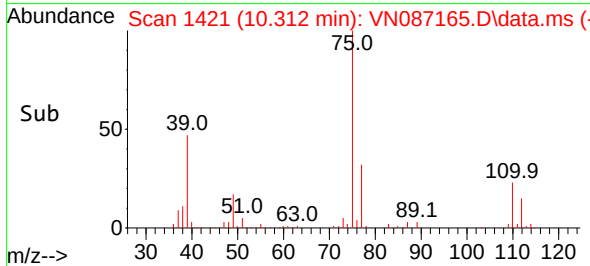
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100



Tgt Ion: 75 Resp: 392118
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.2
 39 46.7 35.3 52.9

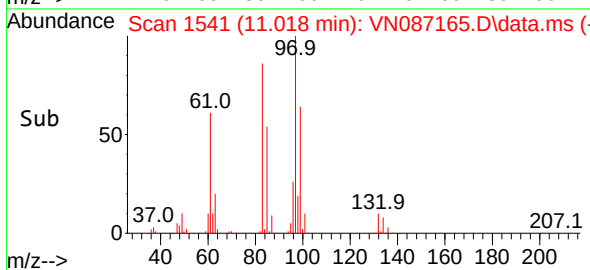
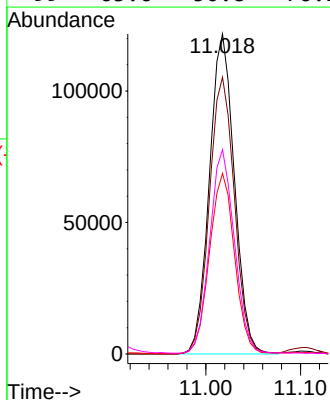
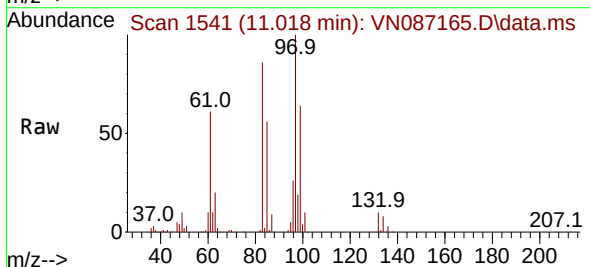
Manual Integrations
 APPROVED

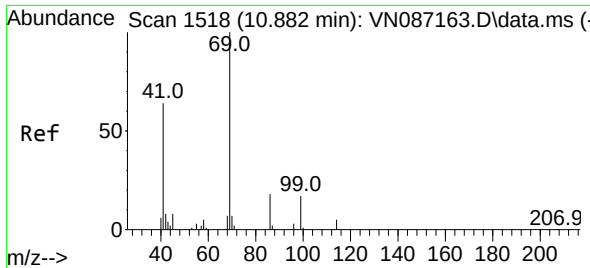
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#50
 1,1,2-Trichloroethane
 Concen: 104.457 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. -0.000 min
 Lab File: VN087165.D
 Acq: 25 Jun 2025 10:03

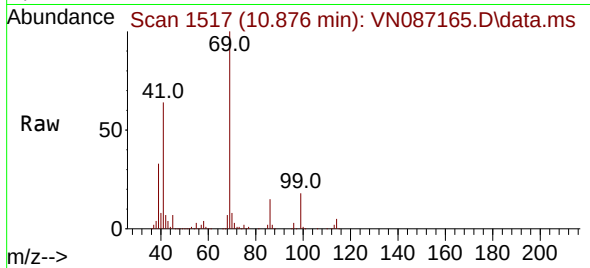
Tgt Ion: 97 Resp: 222928
 Ion Ratio Lower Upper
 97 100
 83 86.5 69.6 104.4
 85 56.3 42.0 63.0
 99 63.6 50.8 76.2





#51
Ethyl methacrylate
Concen: 112.077 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

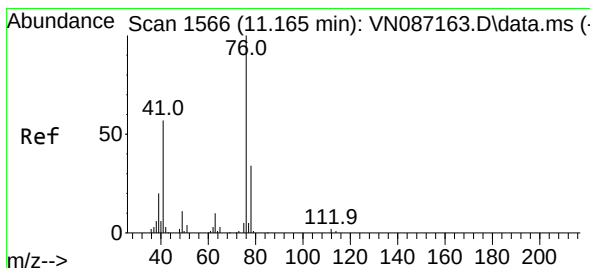
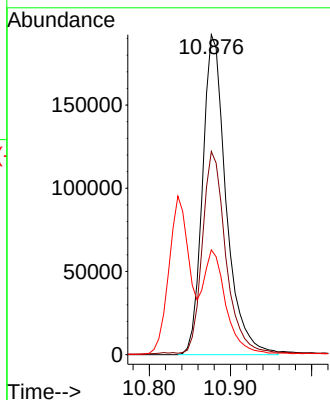
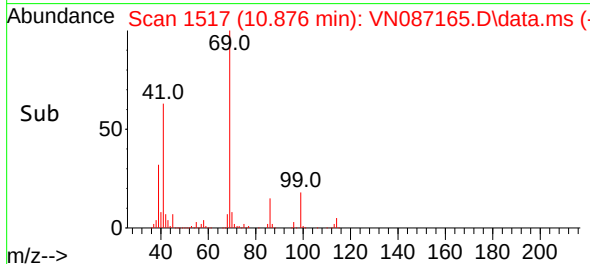
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 69 Resp: 387380
Ion Ratio Lower Upper
69 100
41 63.1 31.8 95.3
39 32.2 15.3 45.8

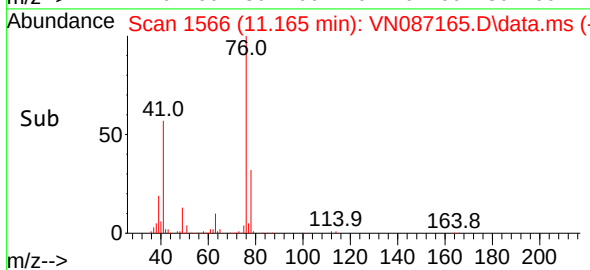
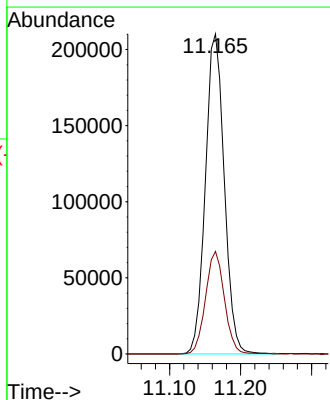
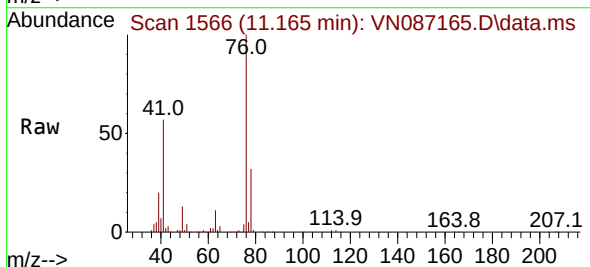
Manual Integrations
APPROVED

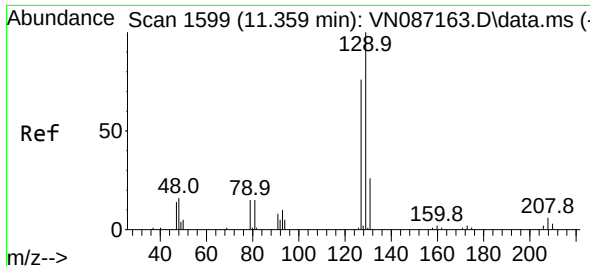
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#52
1,3-Dichloropropane
Concen: 102.479 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

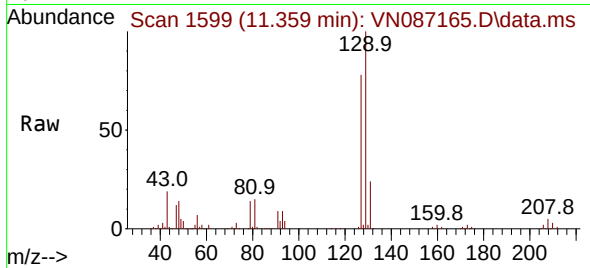
Tgt Ion: 76 Resp: 388131
Ion Ratio Lower Upper
76 100
78 32.0 0.0 63.0





#53
Dibromochloromethane
Concen: 100.883 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

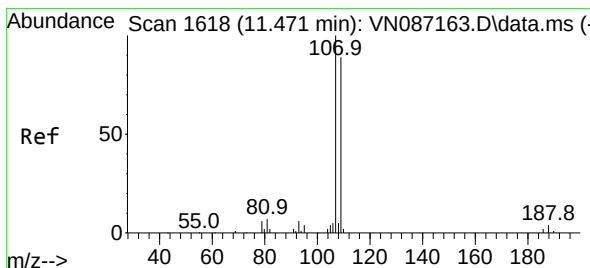
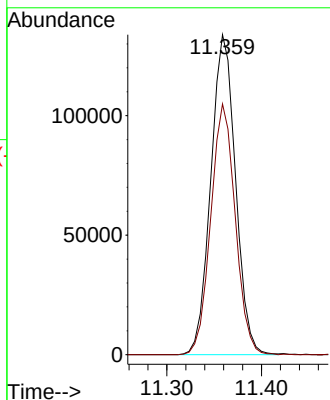
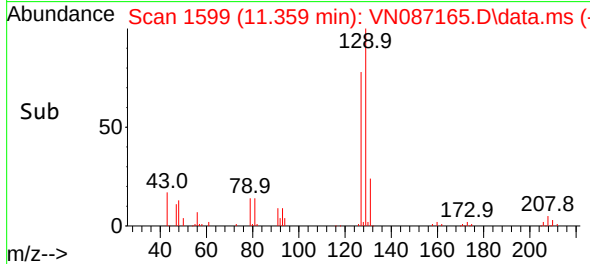
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



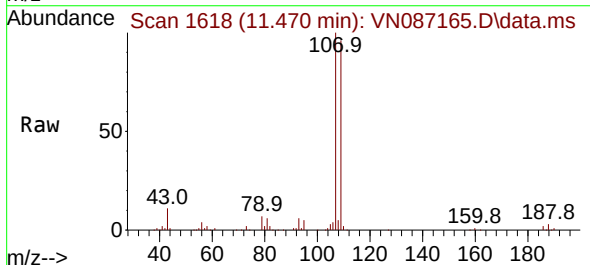
Tgt Ion:129 Resp: 243297
Ion Ratio Lower Upper
129 100
127 77.4 39.6 118.8

Manual Integrations
APPROVED

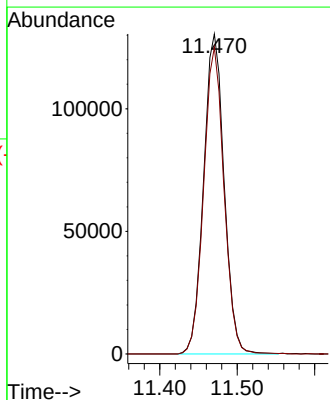
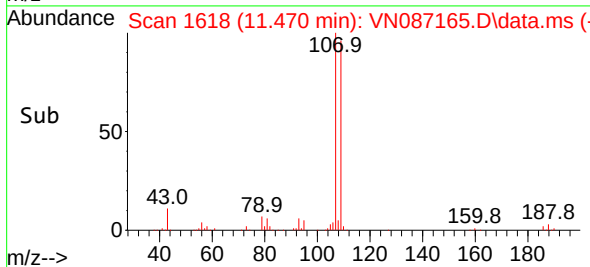
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

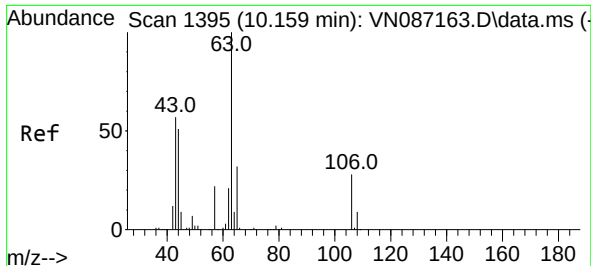


#54
1,2-Dibromoethane
Concen: 109.913 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03



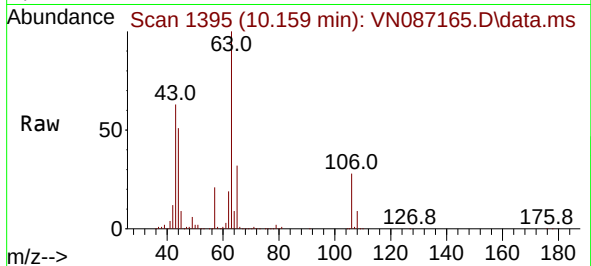
Tgt Ion:107 Resp: 239775
Ion Ratio Lower Upper
107 100
109 95.0 73.5 110.3





#55
2-Chloroethyl vinyl ether
Concen: 644.669 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

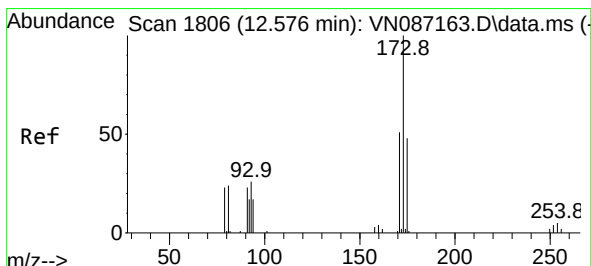
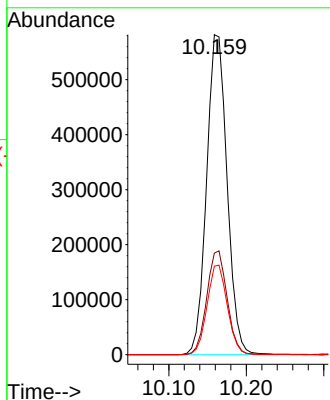
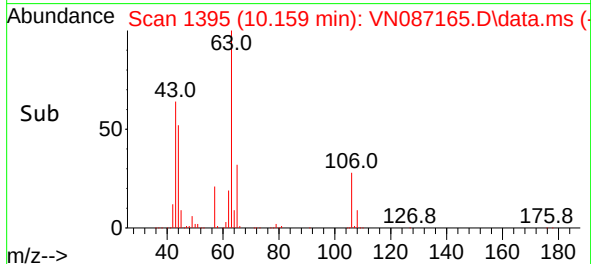
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 63 Resp: 106956
Ion Ratio Lower Upper
63 100
65 32.3 25.6 38.4
106 27.7 21.9 32.9

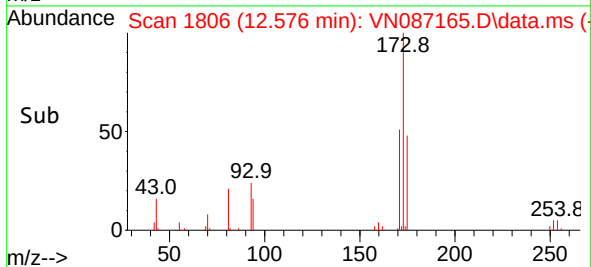
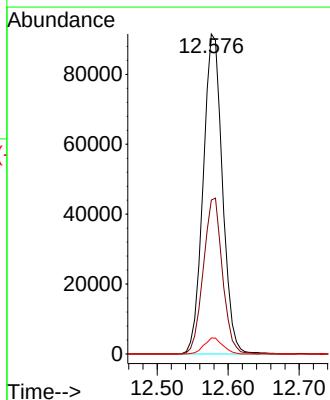
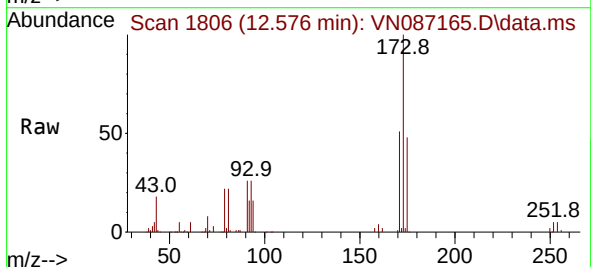
Manual Integrations
APPROVED

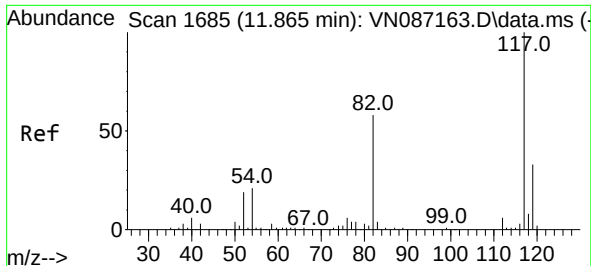
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#56
Bromoform
Concen: 113.736 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Tgt Ion:173 Resp: 172827
Ion Ratio Lower Upper
173 100
175 48.3 38.7 58.1
254 4.9 4.2 6.4





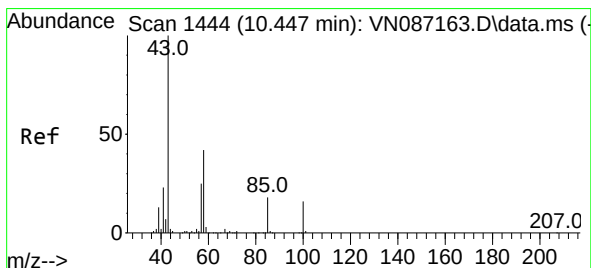
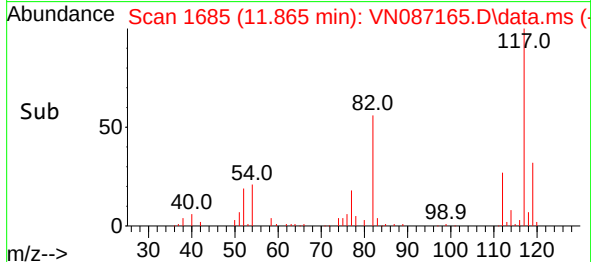
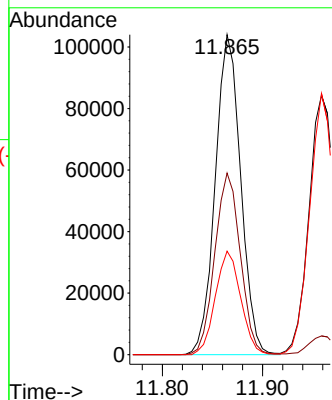
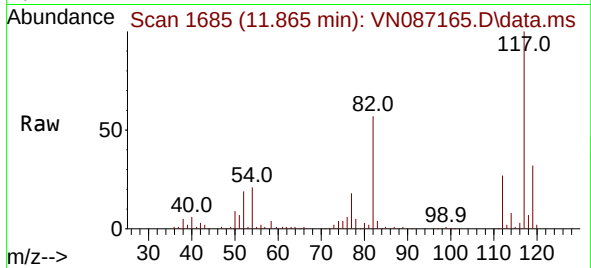
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 18362
Ion Ratio Lower Upper
117 100
82 56.8 45.4 68.2
119 32.2 26.2 39.4

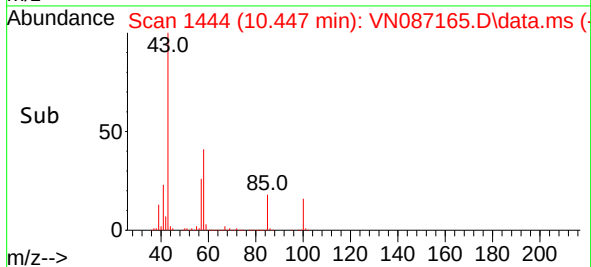
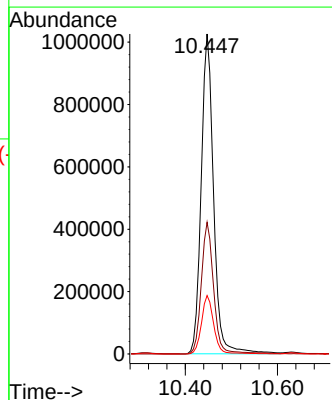
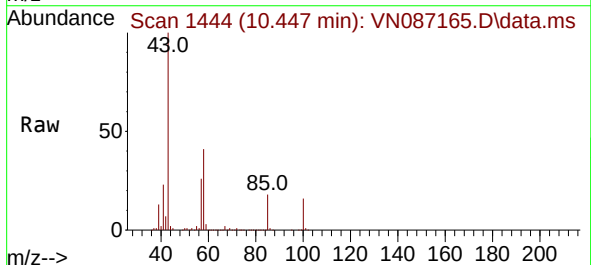
Manual Integrations
APPROVED

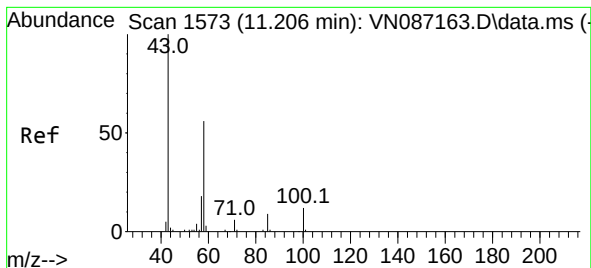
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#58
4-Methyl-2-Pentanone
Concen: 715.253 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

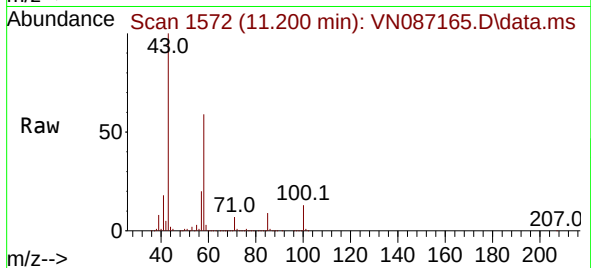
Tgt Ion: 43 Resp: 1927138
Ion Ratio Lower Upper
43 100
58 40.7 32.6 49.0
85 18.0 14.6 22.0





#59
2-Hexanone
Concen: 678.728 ug/l
RT: 11.200 min Scan# 111
Delta R.T. -0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

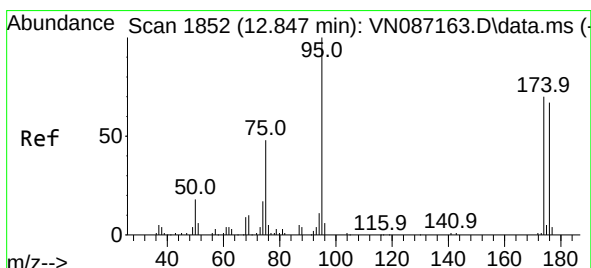
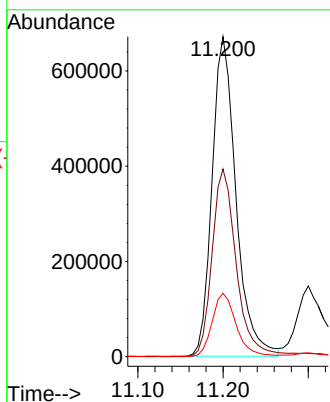
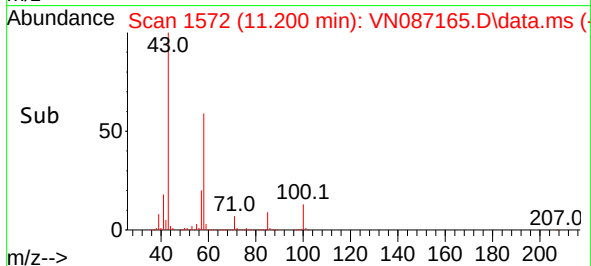
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



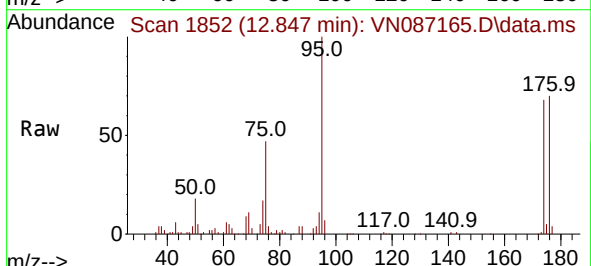
Tgt Ion: 43 Resp: 130992
Ion Ratio Lower Upper
43 100
58 59.9 49.2 73.8
57 19.9 15.3 22.9

Manual Integrations
APPROVED

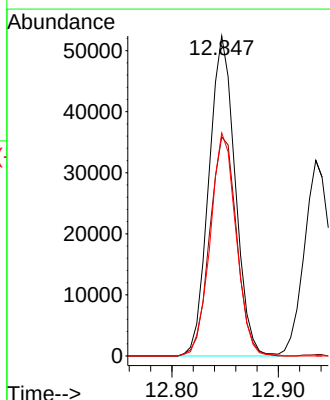
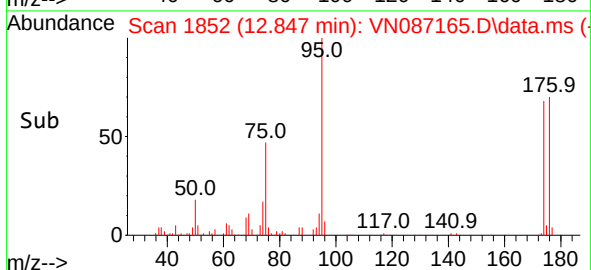
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

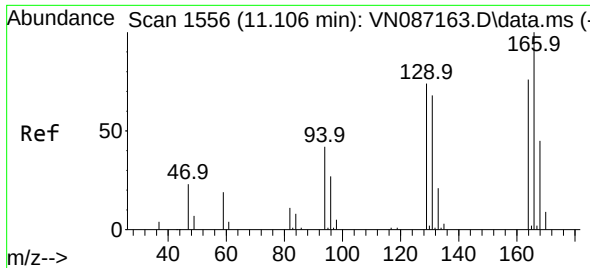


#60
4-Bromofluorobenzene
Concen: 31.153 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03



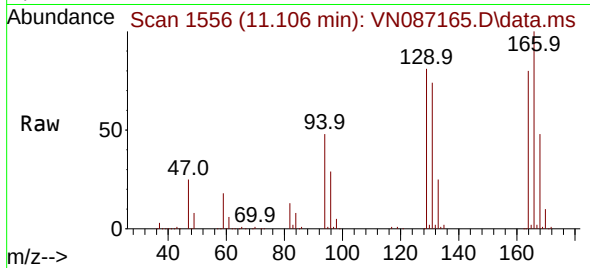
Tgt Ion: 95 Resp: 89811
Ion Ratio Lower Upper
95 100
174 70.2 54.5 81.7
176 68.4 51.9 77.9





#61
Tetrachloroethene
Concen: 55.791 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

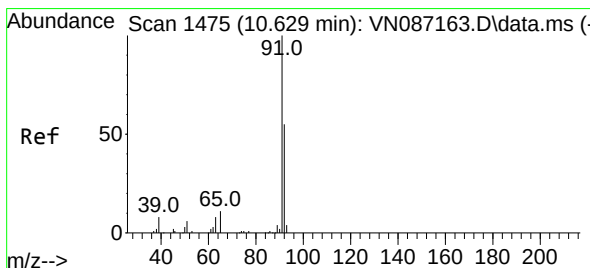
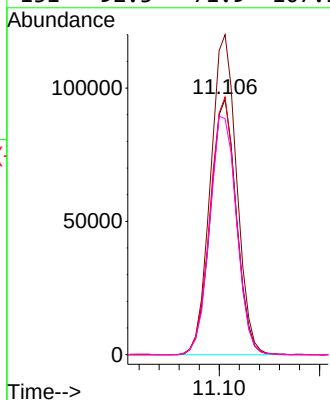
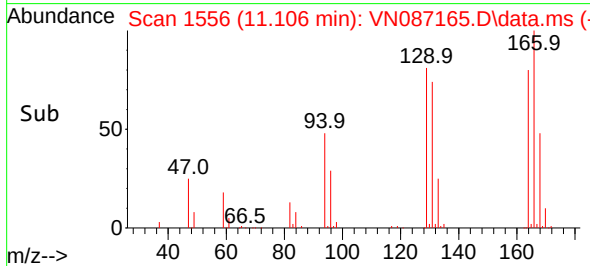
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:164 Resp: 172208
Ion Ratio Lower Upper
164 100
166 125.2 105.4 158.2
129 100.7 77.9 116.9
131 92.3 71.9 107.9

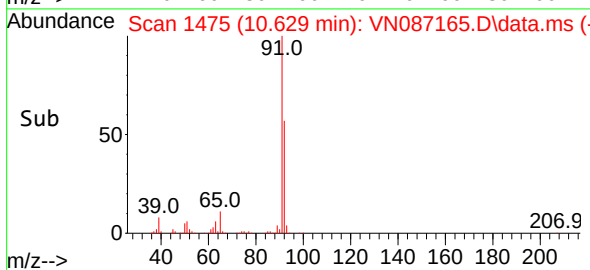
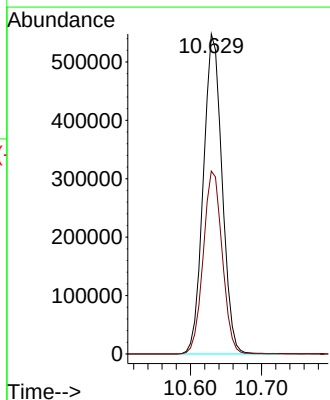
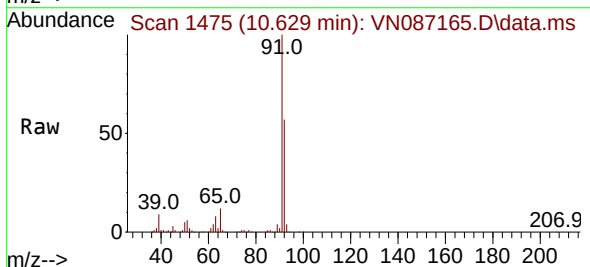
Manual Integrations
APPROVED

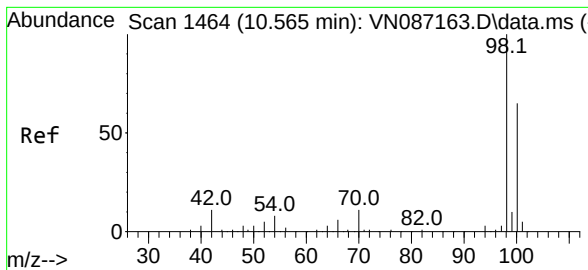
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#62
Toluene
Concen: 97.215 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Tgt Ion: 91 Resp: 1005355
Ion Ratio Lower Upper
91 100
92 57.9 45.8 68.8





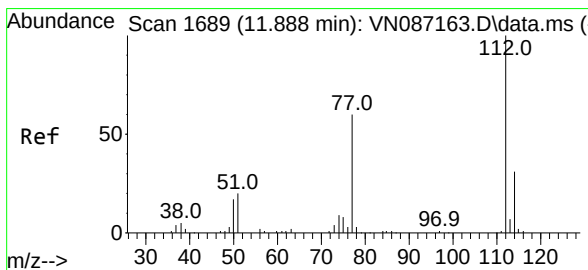
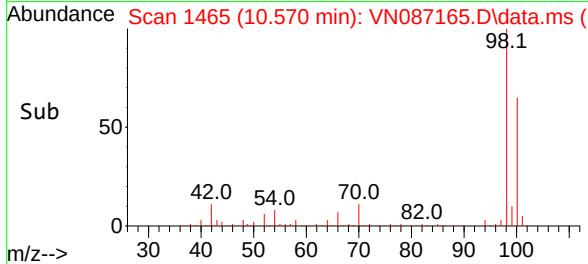
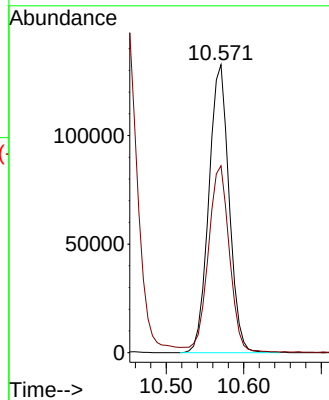
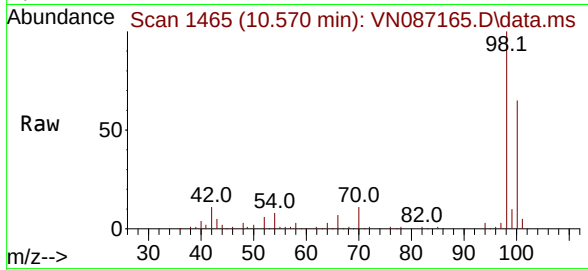
#63
Toluene-d8
Concen: 28.555 ug/l
RT: 10.570 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 98 Resp: 240658
Ion Ratio Lower Upper
98 100
100 67.9 52.5 78.7

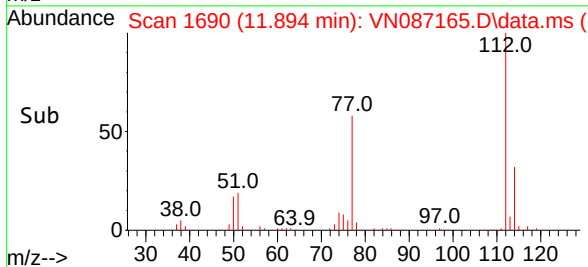
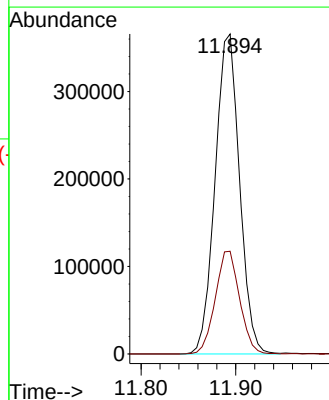
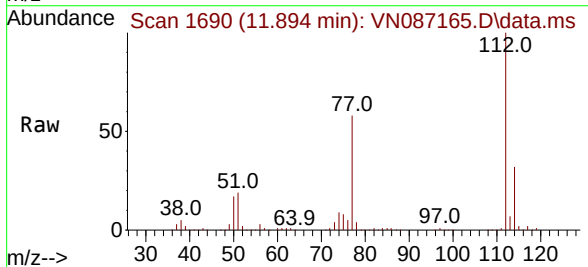
Manual Integrations
APPROVED

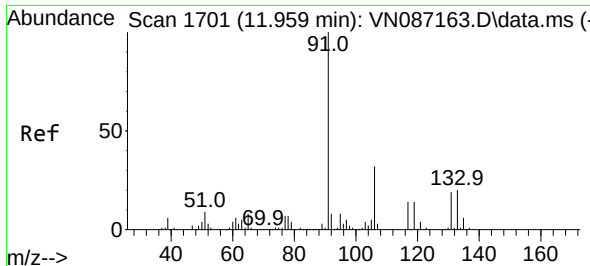
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#64
Chlorobenzene
Concen: 99.433 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Tgt Ion:112 Resp: 655778
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.4





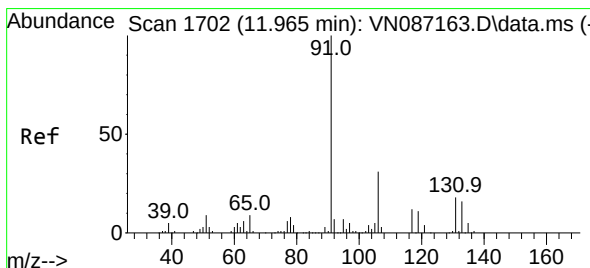
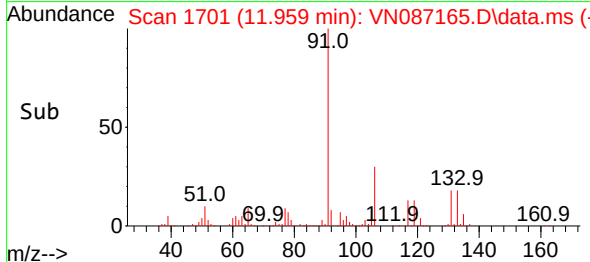
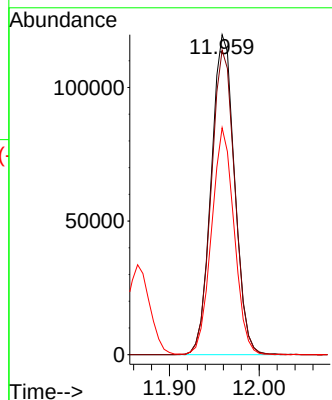
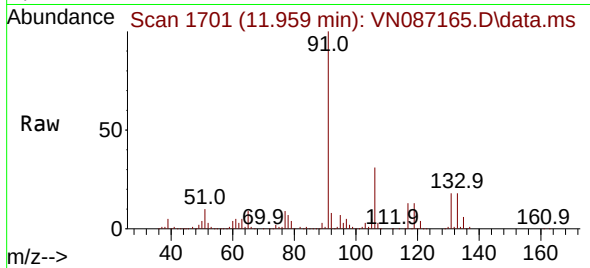
#65
1,1,1,2-Tetrachloroethane
Concen: 99.911 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:131 Resp: 216474
Ion Ratio Lower Upper
131 100
133 95.9 0.0 187.8
119 68.6 0.0 140.0

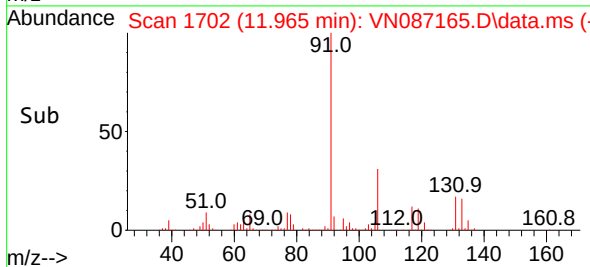
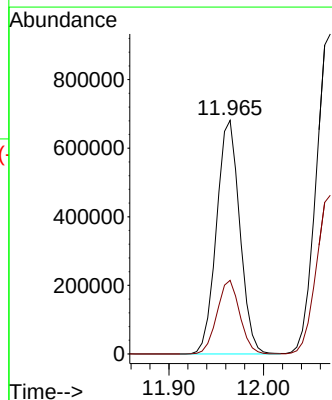
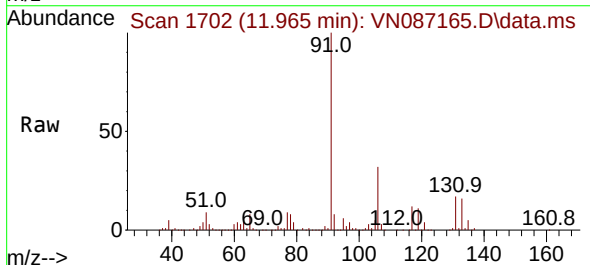
Manual Integrations
APPROVED

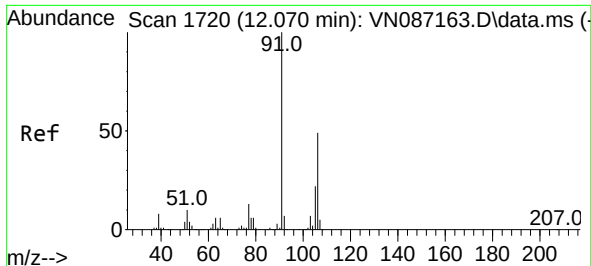
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#66
Ethyl Benzene
Concen: 103.936 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

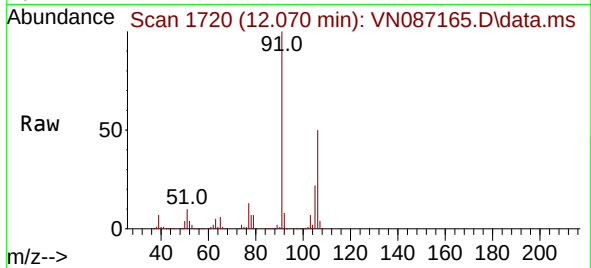
Tgt Ion: 91 Resp: 1162597
Ion Ratio Lower Upper
91 100
106 31.5 24.8 37.2





#67
m/p-Xylenes
Concen: 204.771 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

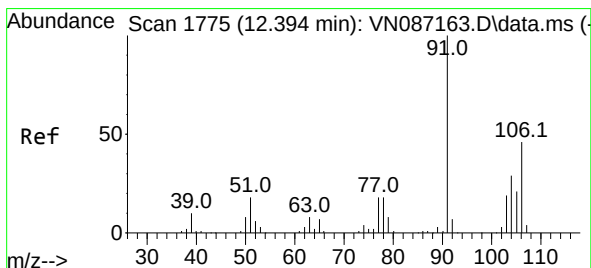
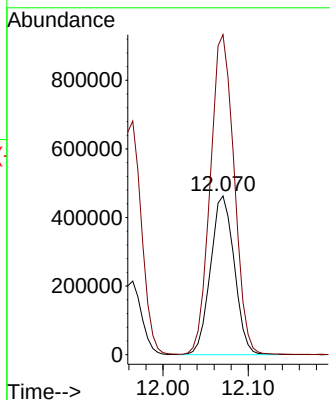
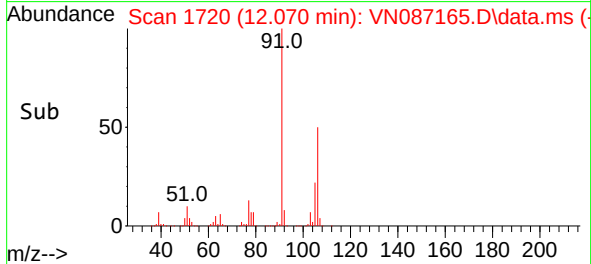
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



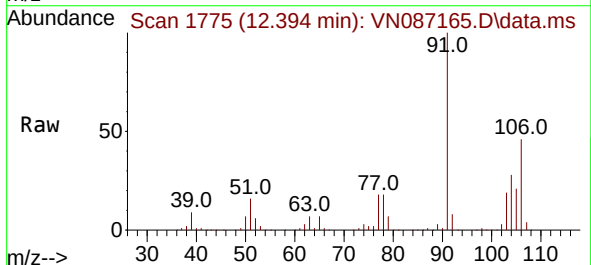
Tgt Ion:106 Resp: 898830
Ion Ratio Lower Upper
106 100
91 202.8 163.0 244.4

Manual Integrations
APPROVED

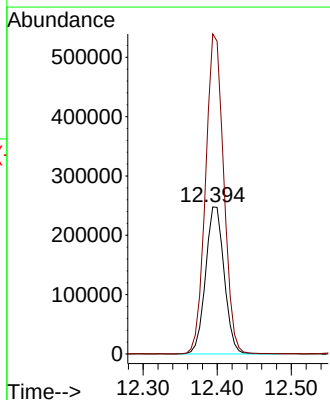
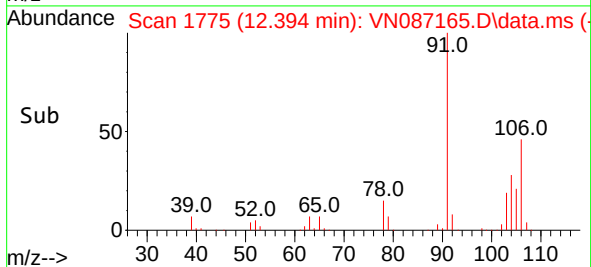
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

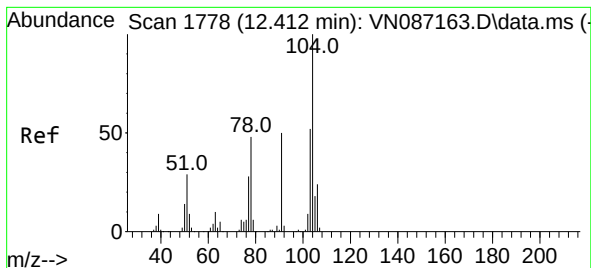


#68
o-Xylene
Concen: 101.641 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03



Tgt Ion:106 Resp: 432376
Ion Ratio Lower Upper
106 100
91 212.8 107.1 321.1





#69

Styrene

Concen: 104.745 ug/l

RT: 12.412 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087165.D

Acq: 25 Jun 2025 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

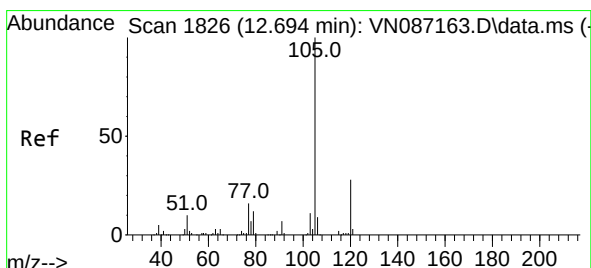
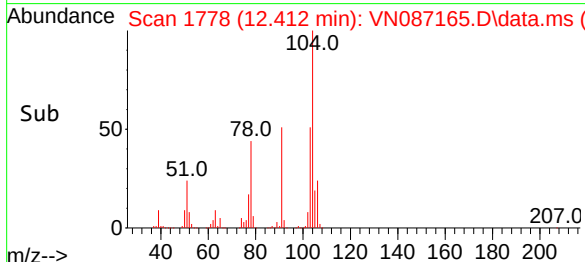
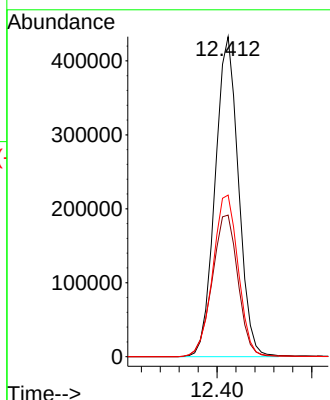
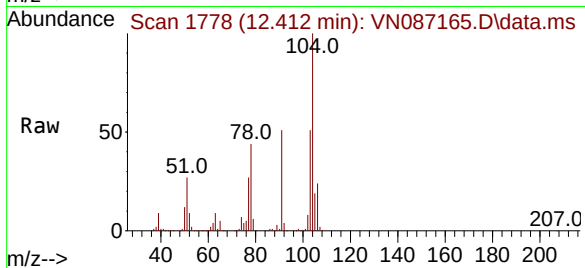
Tgt Ion:104 Resp: 742364
 Ion Ratio Lower Upper
 104 100
 78 49.0 39.8 59.8
 103 54.9 44.2 66.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#70

Isopropylbenzene

Concen: 106.734 ug/l

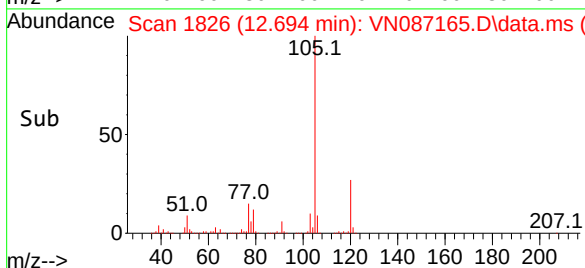
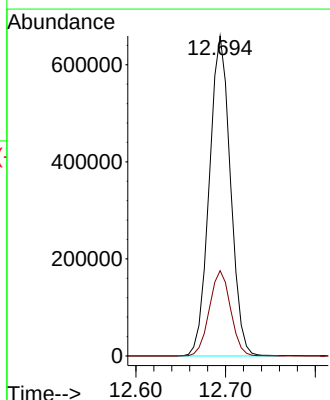
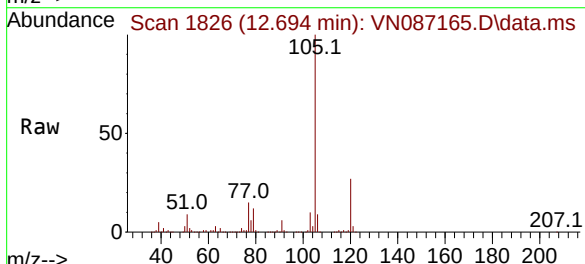
RT: 12.694 min Scan# 1826

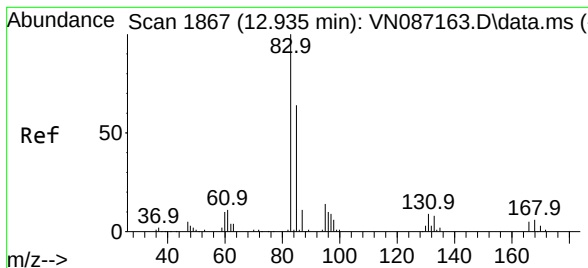
Delta R.T. -0.000 min

Lab File: VN087165.D

Acq: 25 Jun 2025 10:03

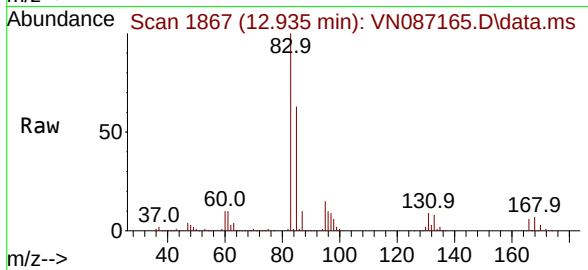
Tgt Ion:105 Resp: 1079915
 Ion Ratio Lower Upper
 105 100
 120 26.7 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 154.224 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

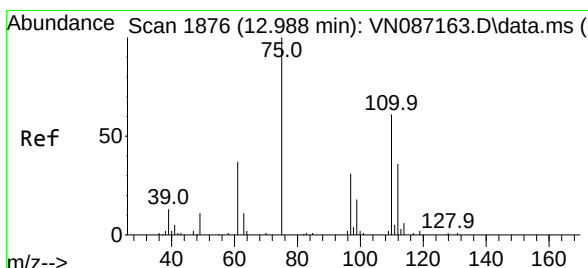
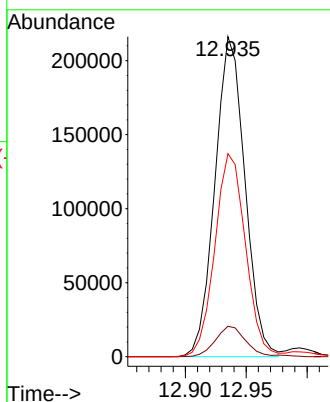
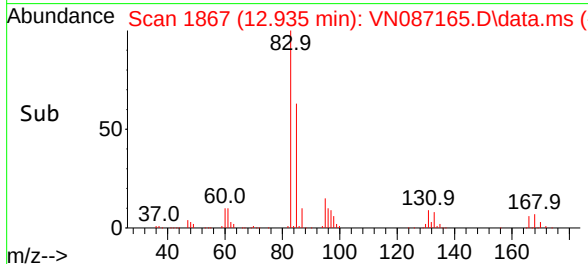
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



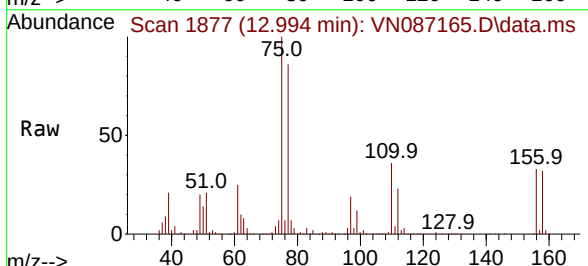
Tgt Ion: 83 Resp: 37099
Ion Ratio Lower Upper
83 100
131 9.5 4.5 13.4
85 64.7 31.3 93.9

Manual Integrations
APPROVED

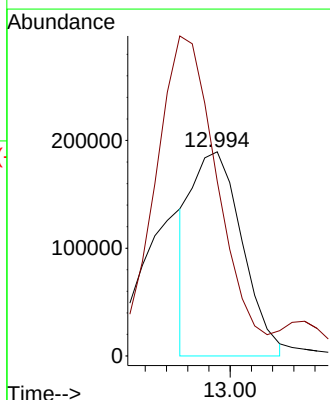
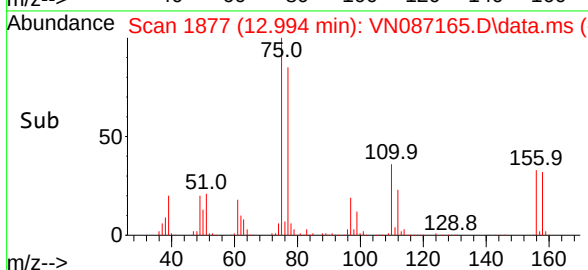
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

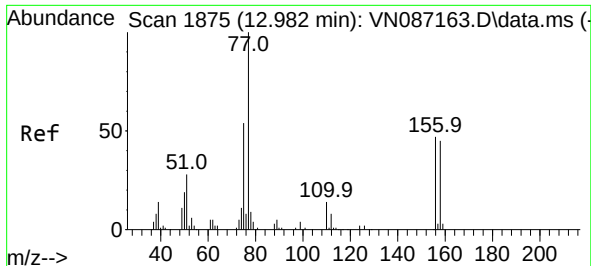


#72
1,2,3-Trichloropropane
Concen: 111.241 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03



Tgt Ion: 75 Resp: 313625
Ion Ratio Lower Upper
75 100
77 194.8 0.0 379.2





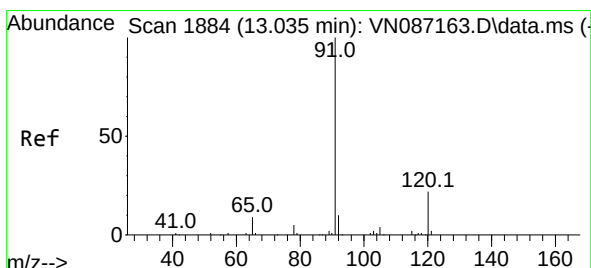
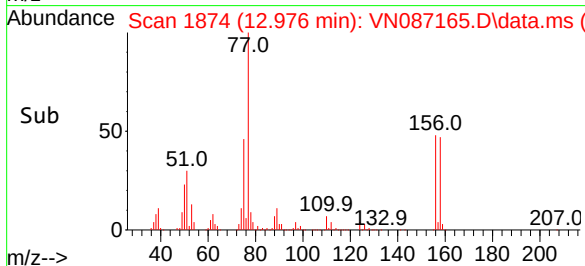
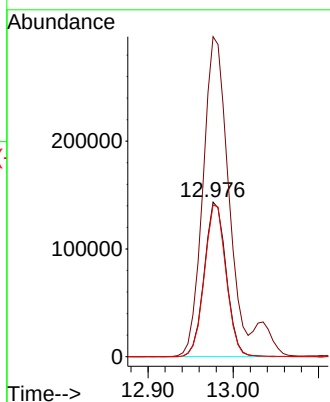
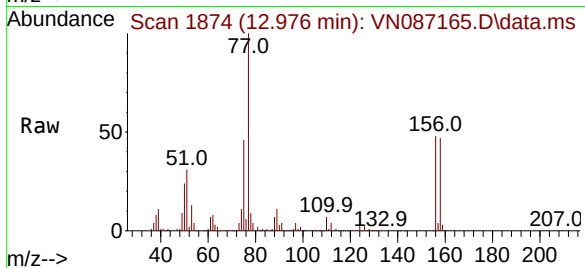
#73
Bromobenzene
Concen: 101.447 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:156 Resp: 255120
Ion Ratio Lower Upper
156 100
77 239.5 0.0 489.0
158 97.7 0.0 195.2

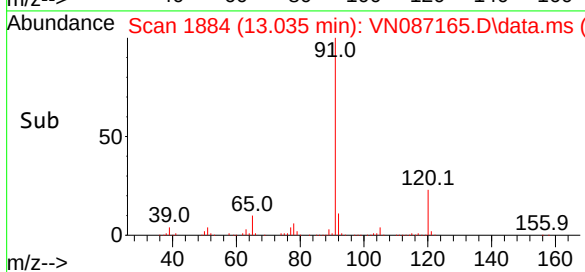
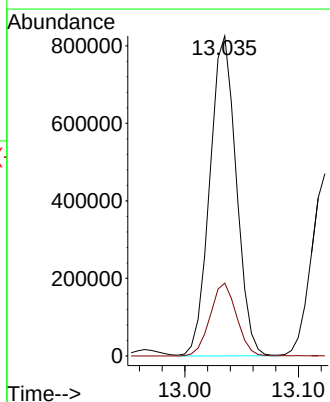
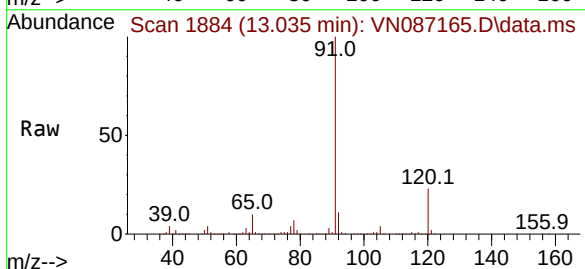
Manual Integrations
APPROVED

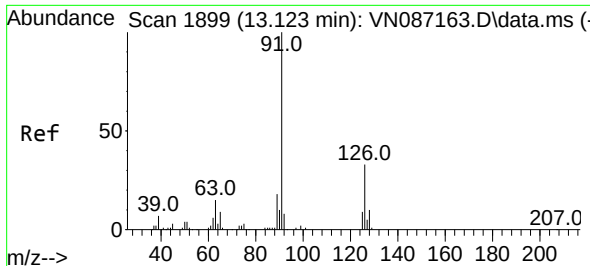
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#74
n-propylbenzene
Concen: 111.580 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Tgt Ion: 91 Resp: 1337231
Ion Ratio Lower Upper
91 100
120 22.6 0.0 43.6





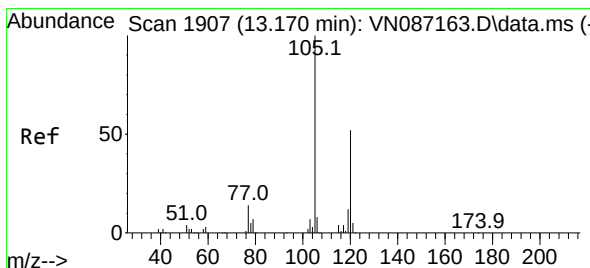
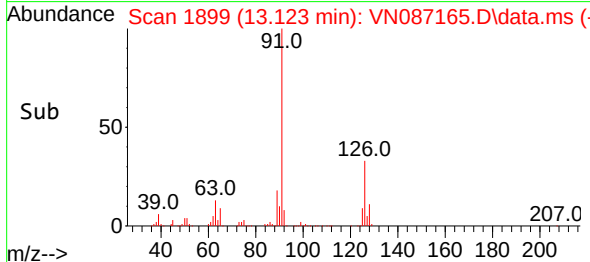
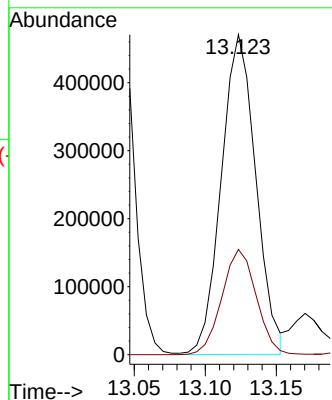
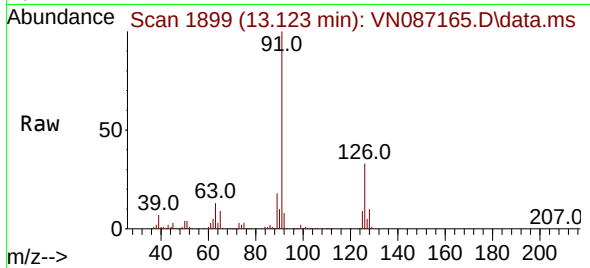
#75
2-Chlorotoluene
Concen: 103.407 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 79544
Ion Ratio Lower Upper
91 100
126 32.8 0.0 63.8

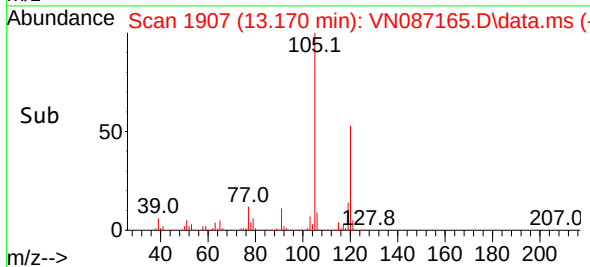
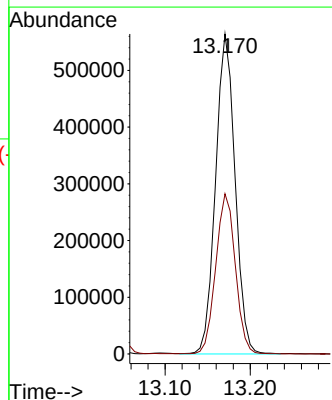
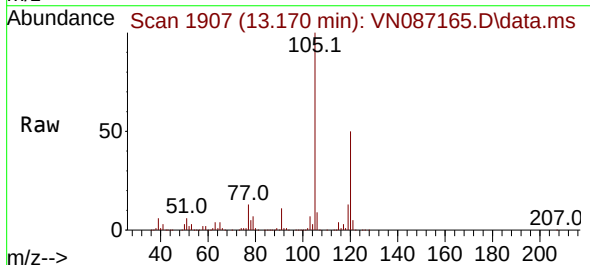
Manual Integrations
APPROVED

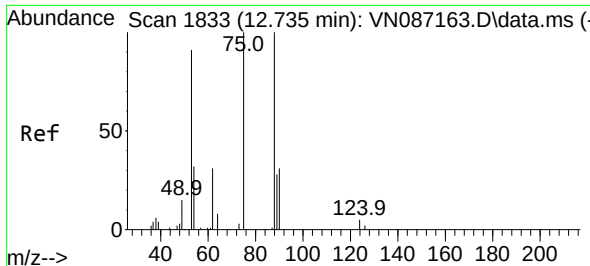
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#76
1,3,5-Trimethylbenzene
Concen: 106.611 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Tgt Ion:105 Resp: 897353
Ion Ratio Lower Upper
105 100
120 50.3 0.0 100.8





#77

t-1,4-Dichloro-2-butene

Concen: 133.783 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. -0.000 min

Lab File: VN087165.D

Acq: 25 Jun 2025 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

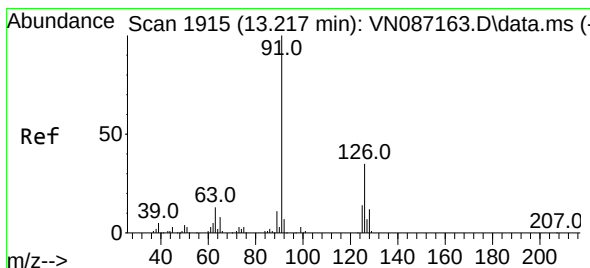
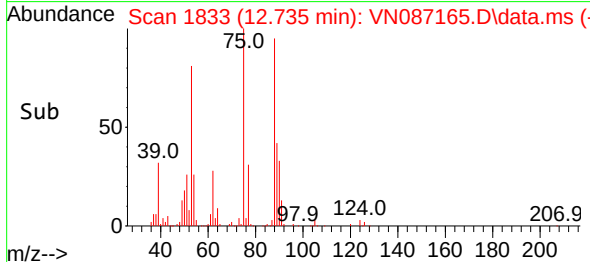
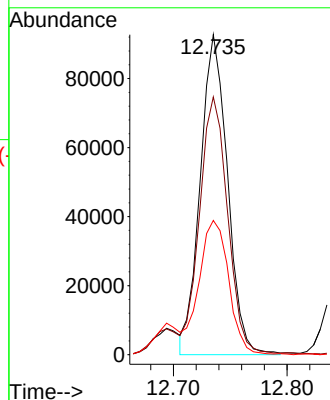
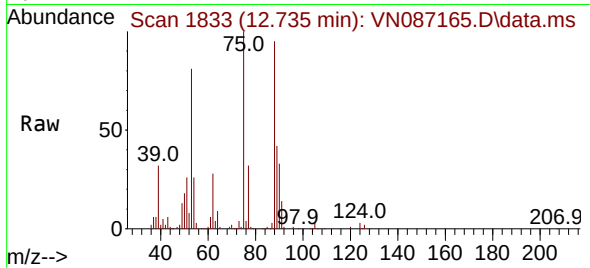
Tgt Ion: 75 Resp: 15435

Ion	Ratio	Lower	Upper
75	100		
53	80.5	45.9	137.6
89	41.9	22.3	66.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#78

4-Chlorotoluene

Concen: 107.520 ug/l

RT: 13.217 min Scan# 1915

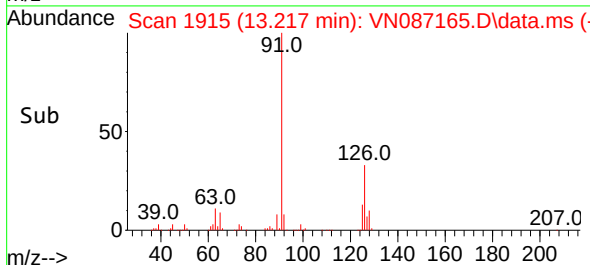
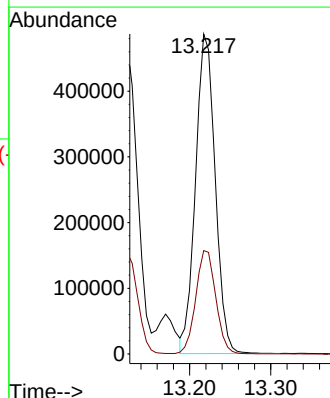
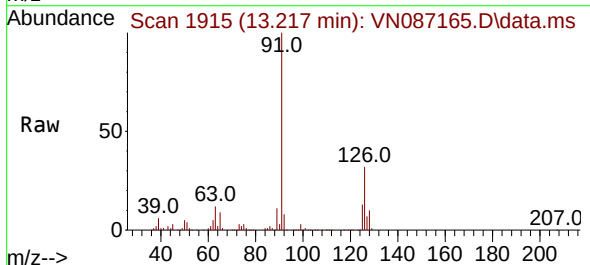
Delta R.T. -0.000 min

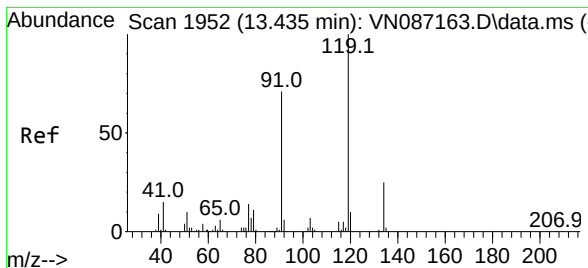
Lab File: VN087165.D

Acq: 25 Jun 2025 10:03

Tgt Ion: 91 Resp: 819288

Ion	Ratio	Lower	Upper
91	100		
126	32.8	0.0	65.2





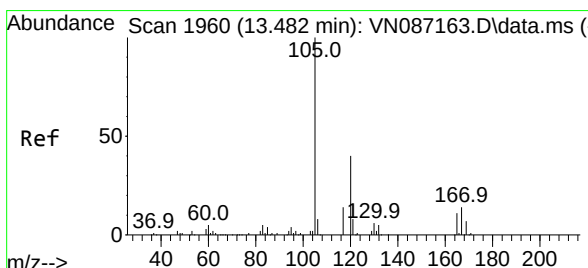
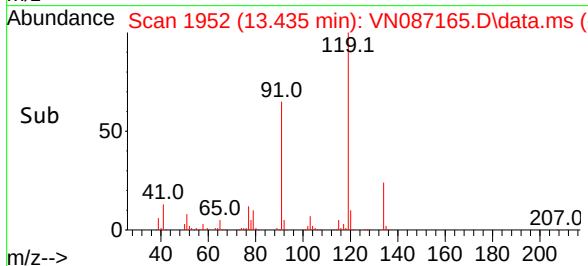
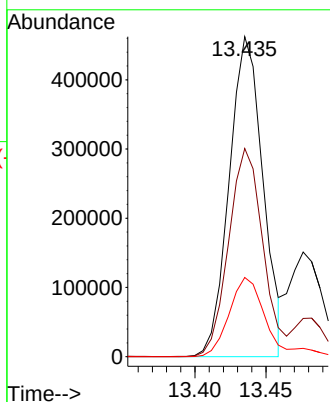
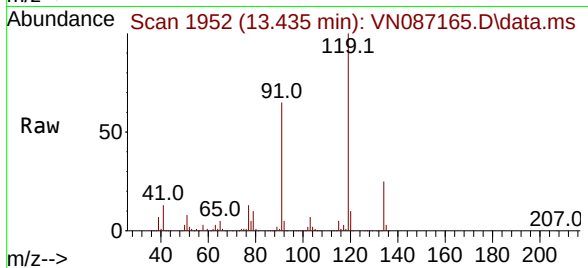
#79
tert-butylbenzene
Concen: 105.123 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:119 Resp: 765014
Ion Ratio Lower Upper
119 100
91 66.1 0.0 137.0
134 25.2 0.0 49.4

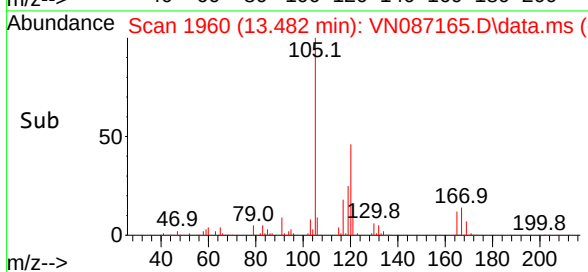
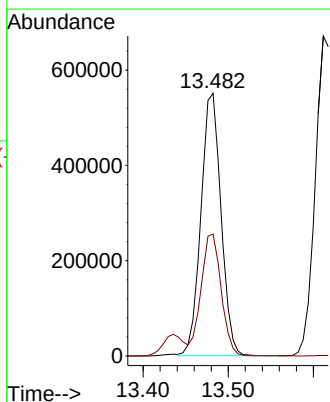
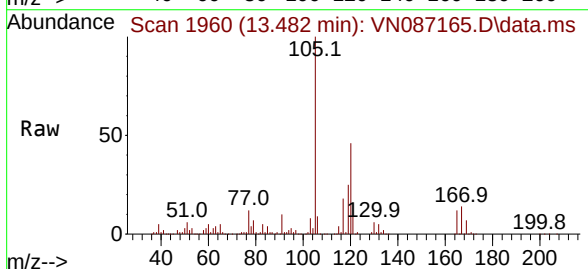
Manual Integrations
APPROVED

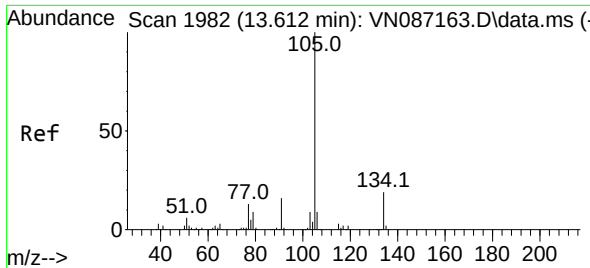
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#80
1,2,4-Trimethylbenzene
Concen: 106.945 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Tgt Ion:105 Resp: 903551
Ion Ratio Lower Upper
105 100
120 46.3 0.0 94.0





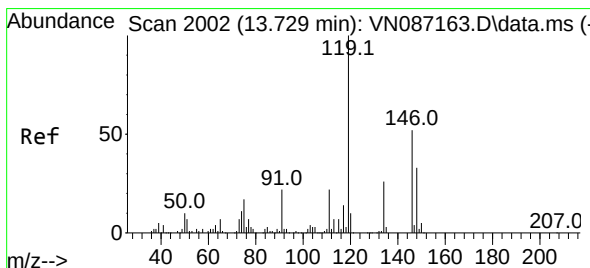
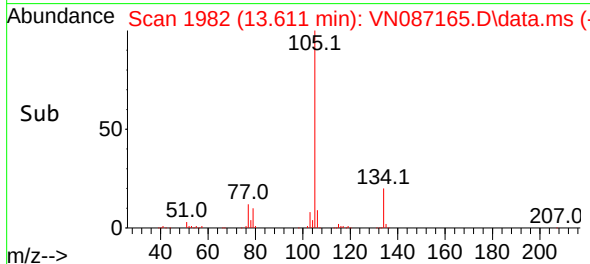
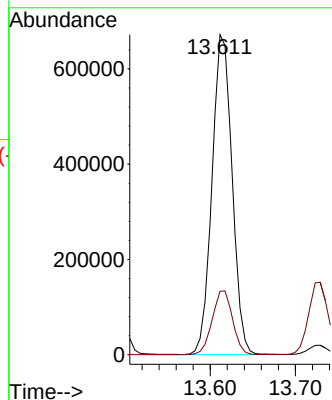
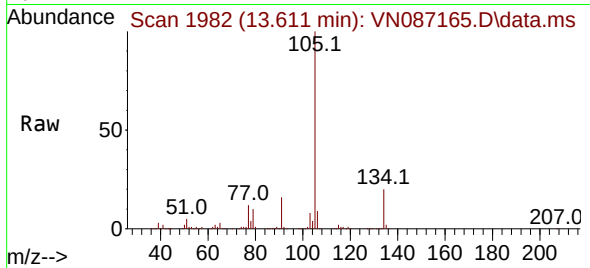
#81
 sec-Butylbenzene
 Concen: 110.769 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN087165.D
 Acq: 25 Jun 2025 10:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 109818
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 39.4

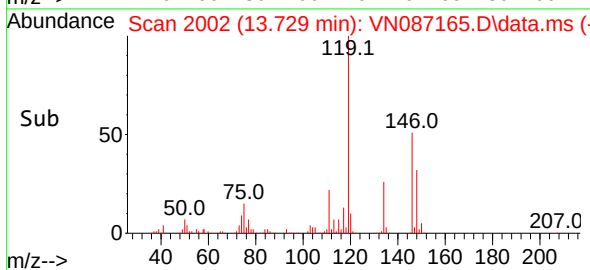
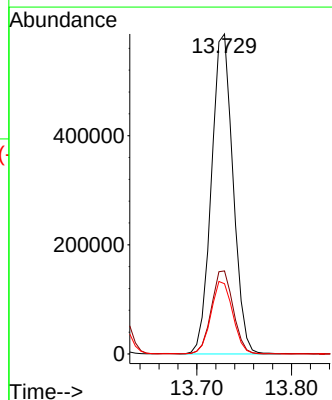
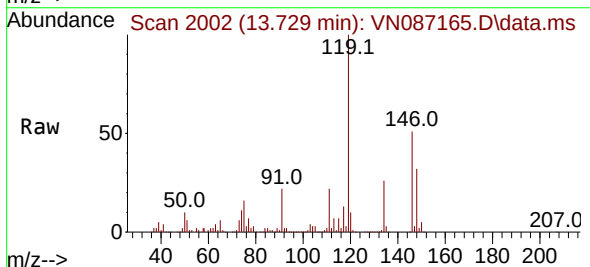
Manual Integrations
 APPROVED

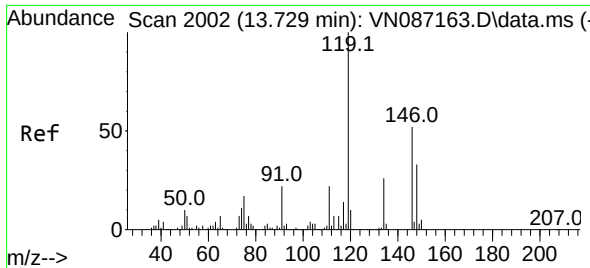
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#82
 p-Isopropyltoluene
 Concen: 111.672 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN087165.D
 Acq: 25 Jun 2025 10:03

Tgt Ion:119 Resp: 929641
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 51.2
 91 22.8 0.0 46.4





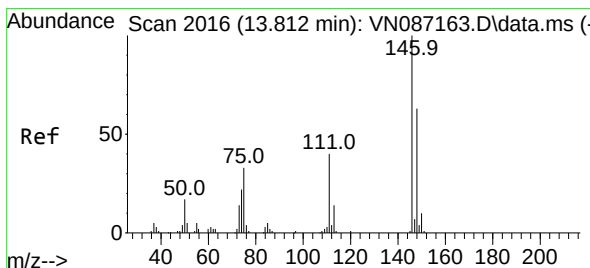
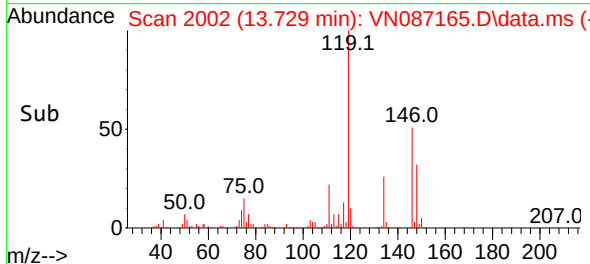
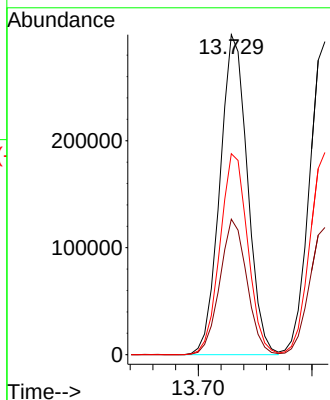
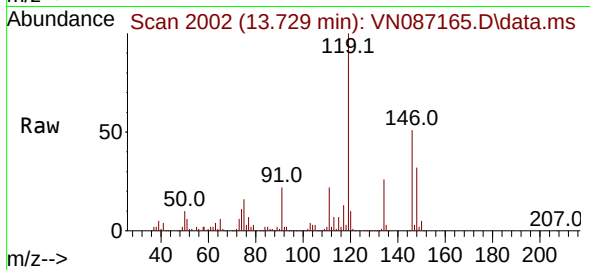
#83
1,3-Dichlorobenzene
Concen: 109.250 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:146 Resp: 50402
Ion Ratio Lower Upper
146 100
111 41.7 21.1 63.3
148 63.2 31.6 94.8

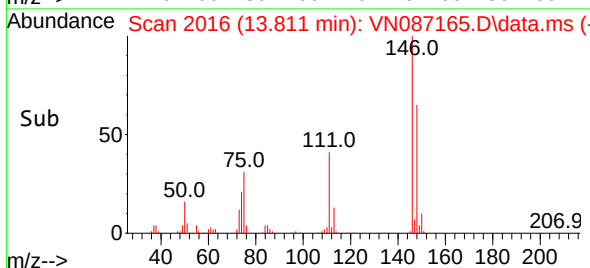
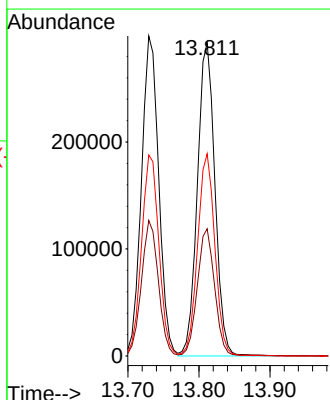
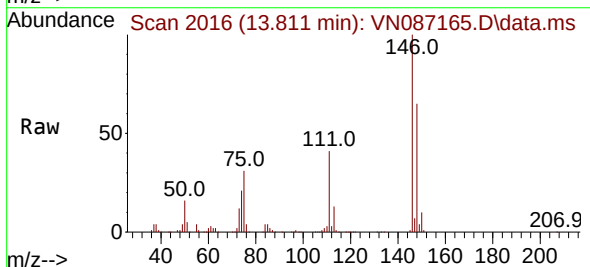
Manual Integrations
APPROVED

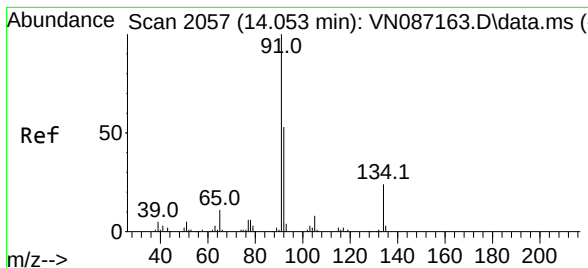
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#84
1,4-Dichlorobenzene
Concen: 109.765 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Tgt Ion:146 Resp: 503947
Ion Ratio Lower Upper
146 100
111 39.4 20.1 60.2
148 63.4 31.4 94.2





#85

n-Butylbenzene

Concen: 120.131 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN087165.D

Acq: 25 Jun 2025 10:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

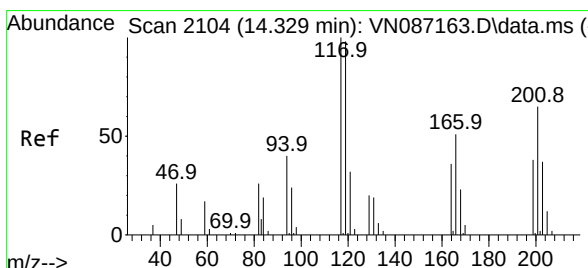
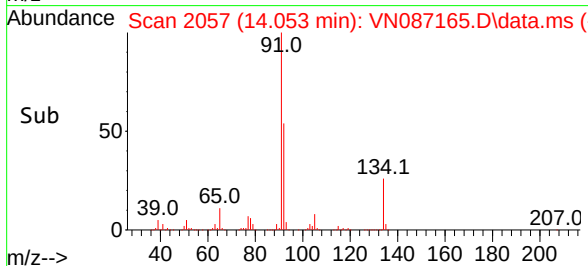
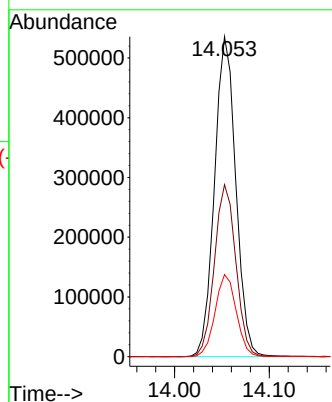
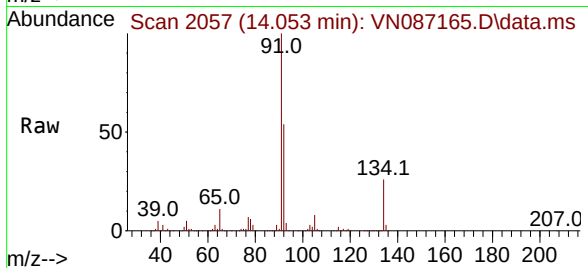
Tgt Ion:	91	Resp:	83723
Ion	Ratio	Lower	Upper
91	100		
92	54.1	0.0	106.4
134	25.7	0.0	48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#86

Hexachloroethane

Concen: 119.744 ug/l

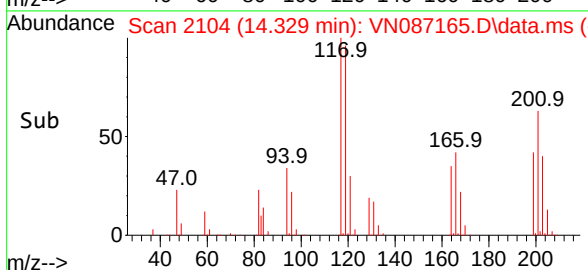
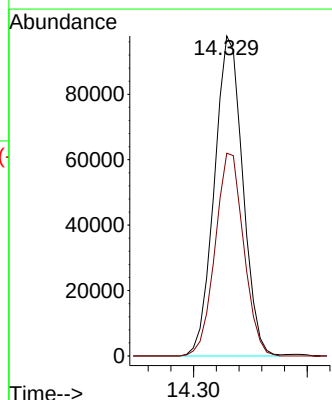
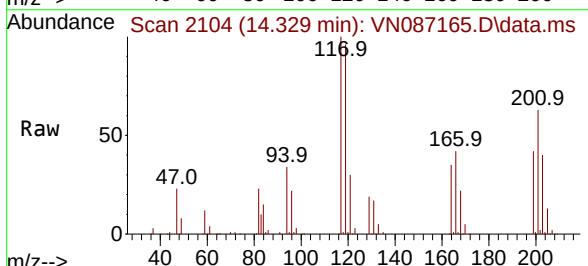
RT: 14.329 min Scan# 2104

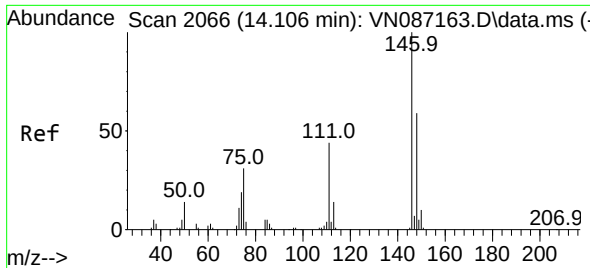
Delta R.T. -0.000 min

Lab File: VN087165.D

Acq: 25 Jun 2025 10:03

Tgt Ion:	117	Resp:	169893
Ion	Ratio	Lower	Upper
117	100		
201	63.7	30.8	92.3





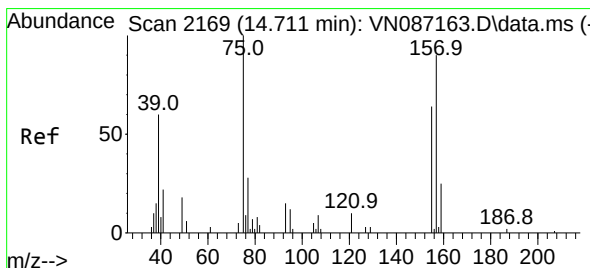
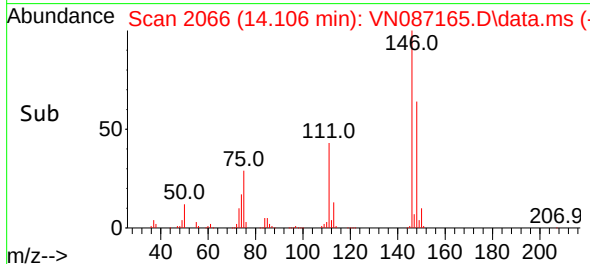
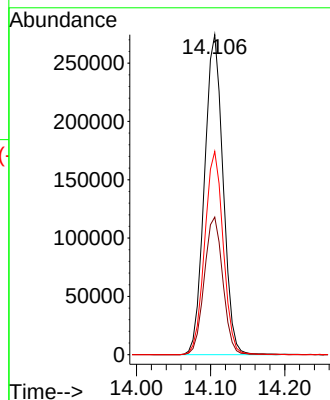
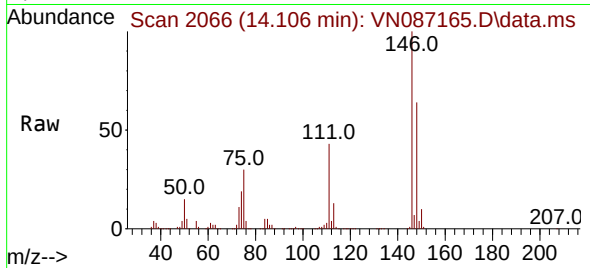
#87
1,2-Dichlorobenzene
Concen: 107.409 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 478012
Ion Ratio Lower Upper
146 100
111 42.9 22.1 66.1
148 63.2 31.6 95.0

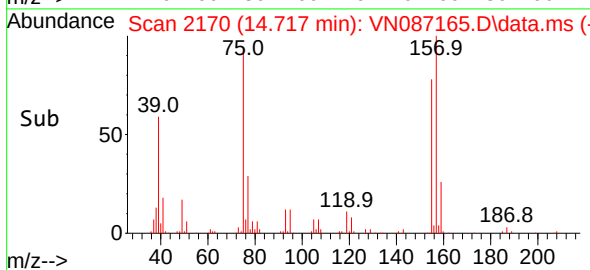
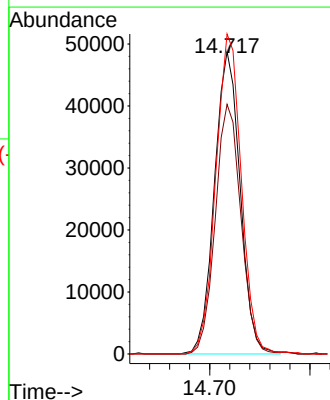
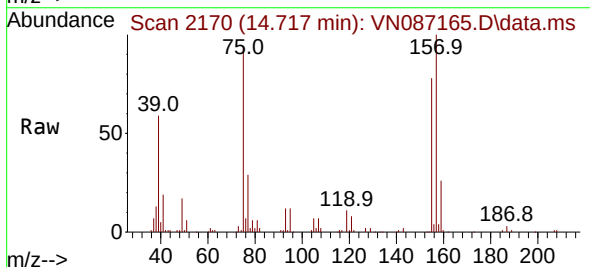
Manual Integrations
APPROVED

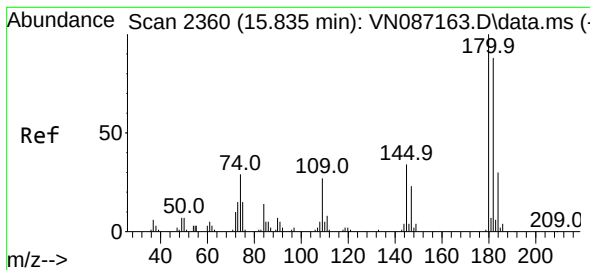
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 171.007 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

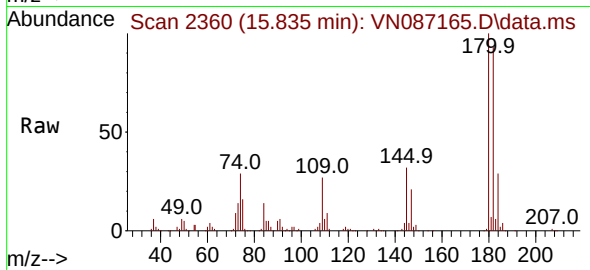
Tgt Ion: 75 Resp: 86628
Ion Ratio Lower Upper
75 100
155 82.3 58.3 87.5
157 105.0 79.2 118.8





#89
1,2,4-Trichlorobenzene
Concen: 147.614 ug/l
RT: 15.835 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

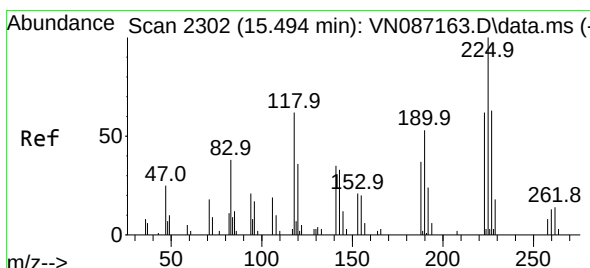
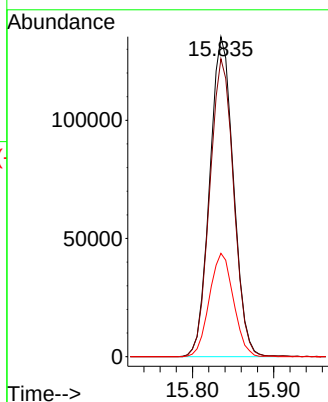
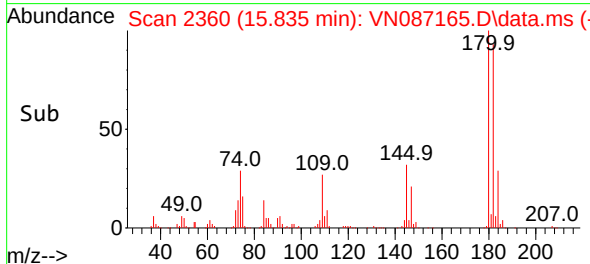
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



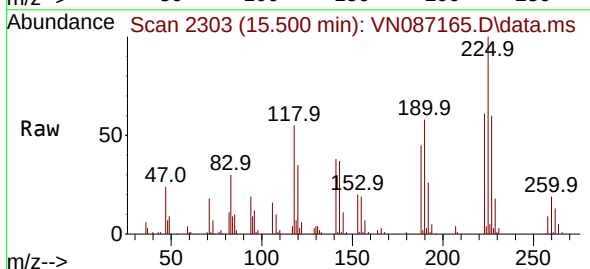
Tgt Ion:180 Resp: 274932
Ion Ratio Lower Upper
180 100
182 94.0 74.2 111.2
145 32.8 27.6 41.4

Manual Integrations
APPROVED

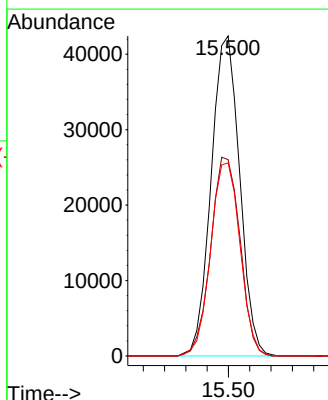
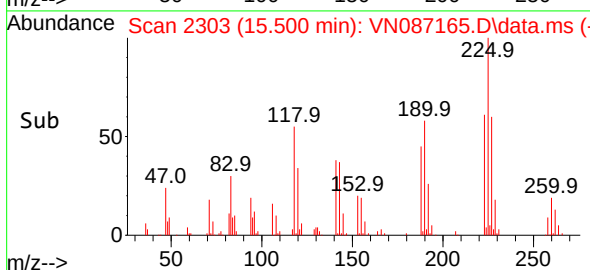
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

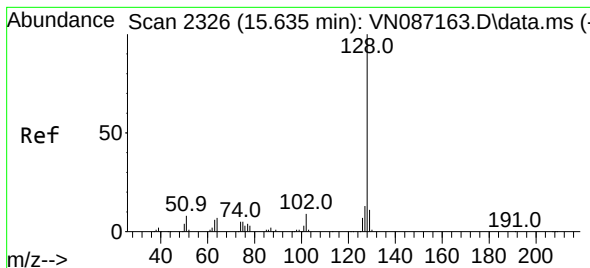


#90
Hexachlorobutadiene
Concen: 98.806 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03



Tgt Ion:225 Resp: 78874
Ion Ratio Lower Upper
225 100
223 63.7 0.0 134.2
227 62.2 0.0 122.6





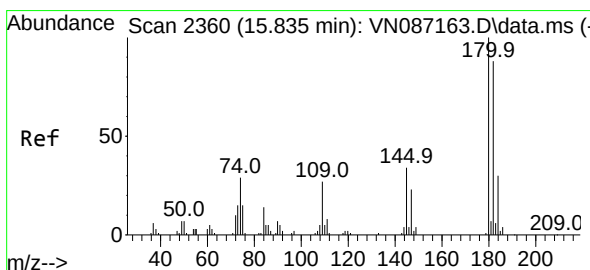
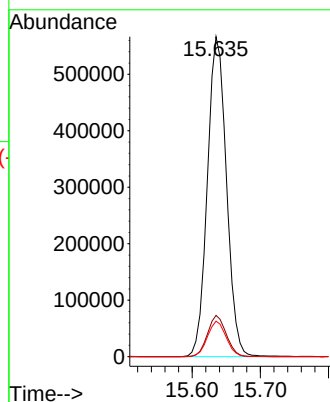
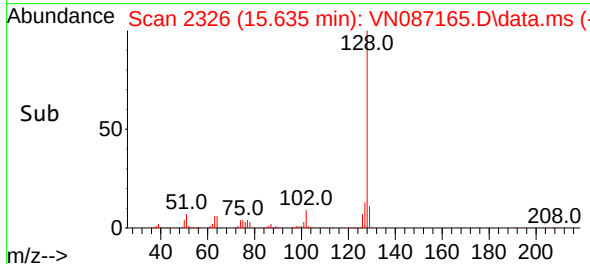
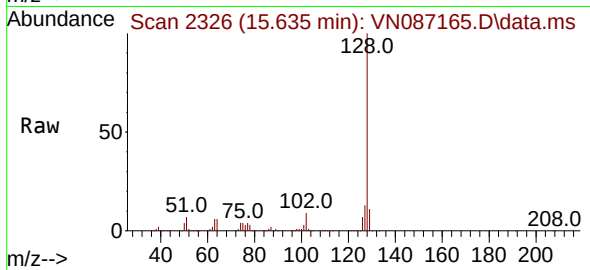
#91
Naphthalene
Concen: 170.116 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 110549
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.9 8.8 13.2

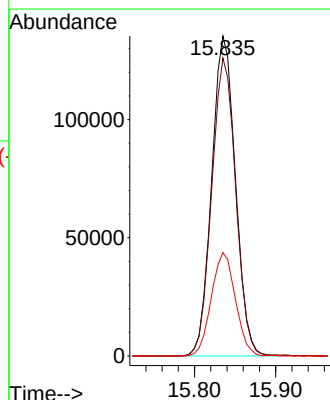
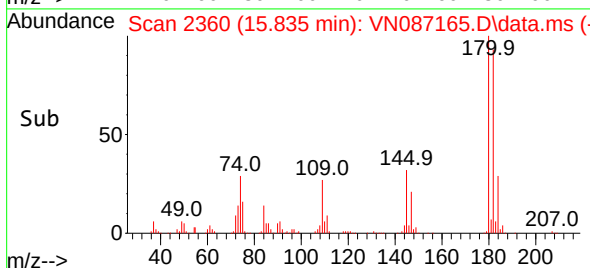
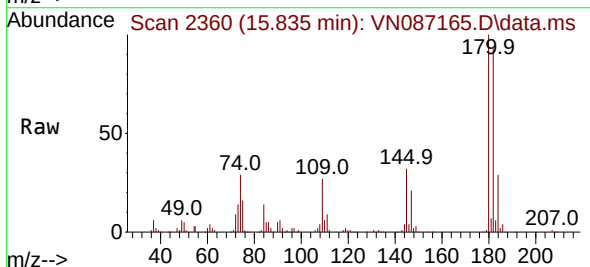
Manual Integrations
APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#92
1,2,3-Trichlorobenzene
Concen: 147.614 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN087165.D
Acq: 25 Jun 2025 10:03

Tgt Ion:180 Resp: 274932
Ion Ratio Lower Upper
180 100
182 94.0 0.0 185.4
145 32.8 0.0 69.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087166.D
 Acq On : 25 Jun 2025 10:24
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/26/2025

Quant Time: Jun 25 10:47:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:38:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	34436	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	194011	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	186774	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	74130	31.331	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.433%			
60) 4-Bromofluorobenzene	12.847	95	87432	29.816	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.400%			
63) Toluene-d8	10.571	98	247397	28.859	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	328743	140.560	ug/l	99
3) Chloromethane	2.395	50	344616	114.281	ug/l	100
4) Vinyl Chloride	2.553	62	380413	137.080	ug/l	96
5) Bromomethane	2.965	94	196072	133.348	ug/l	95
6) Chloroethane	3.142	64	199925	117.788	ug/l	98
7) Trichlorofluoromethane	3.518	101	438423	134.888	ug/l	99
8) Diethyl Ether	3.977	74	228664	168.656	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.394	101	330508	165.921	ug/l #	88
10) 1,1-Dichloroethene	4.365	96	332121	163.541	ug/l	97
11) Methyl Iodide	4.612	142	363941	152.023	ug/l	96
12) Methyl Acetate	5.047	43	529248	234.665	ug/l	99
13) Acrolein	4.200	56	494100	2120.692	ug/l	100
14) Acrylonitrile	5.736	53	1229651	1171.622	ug/l	100
15) Acetone	4.447	58	335530	1262.652	ug/l	91
16) Carbon Disulfide	4.736	76	934684	157.671	ug/l	99
17) Allyl chloride	5.042	41	547297	181.407	ug/l	92
18) Methylene Chloride	5.294	84	370628	157.151	ug/l	98
19) trans-1,2-Dichloroethene	5.806	96	353679	166.418	ug/l	97
20) Diisopropyl ether	6.688	45	1127057	169.621	ug/l	96
21) 1,1-Dichloroethane	6.583	63	665820	166.042	ug/l	99
22) cis-1,2-Dichloroethene	7.500	96	431407	167.622	ug/l	96
23) tert-Butyl Alcohol	5.547	59	464693	1378.774	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	1188591	177.588	ug/l	97
25) Chloroform	7.977	83	646145	164.630	ug/l	99
26) Cyclohexane	8.265	56	593136	170.905	ug/l #	97
29) 1,1-Dichloropropene	8.377	75	485720	170.277	ug/l	100
30) 2-Butanone	7.494	43	1653884	1323.281	ug/l	98
31) 2,2-Dichloropropane	7.500	77	567545	168.554	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	547772	165.656	ug/l	98
33) Carbon Tetrachloride	8.371	117	465916	164.834	ug/l	99
34) Benzene	8.612	78	1449530	156.178	ug/l	97
35) Methacrylonitrile	7.788	41	324629	226.112	ug/l	94
36) 1,2-Dichloroethane	8.677	62	456777	167.948	ug/l	98
37) Trichloroethene	9.359	130	344162	133.684	ug/l	91
38) Methylcyclohexane	9.606	83	564171	178.256	ug/l	96
39) 1,2-Dichloropropane	9.624	63	370597	165.854	ug/l	98
40) Dibromomethane	9.712	93	248835	170.265	ug/l	98
41) Bromodichloromethane	9.888	83	509473	166.539	ug/l	98
42) Vinyl Acetate	6.618	43	5152202	1414.217	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087166.D
 Acq On : 25 Jun 2025 10:24
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2025
 Supervised By : Mahesh Dadoda 06/26/2025

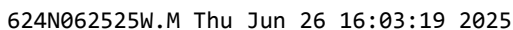
Quant Time: Jun 25 10:47:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:38:24 2025
 Response via : Initial Calibration

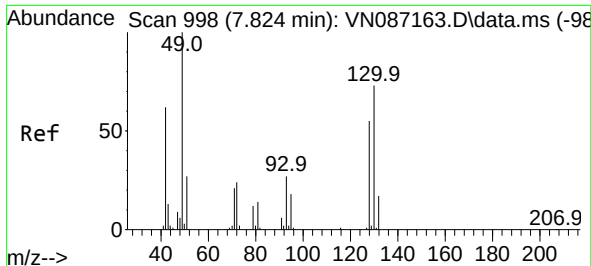
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	596805	233.358	ug/l	97
44) Isopropyl Acetate	8.694	43	922972	210.380	ug/l	96
45) 1,4-Dioxane	9.706	88	136174	3492.194	ug/l #	93
46) Methyl methacrylate	9.682	41	448002	221.464	ug/l	98
47) n-amyl Acetate	12.500	43	635191	180.347	ug/l #	100
48) t-1,3-Dichloropropene	10.835	75	593288	181.231	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	629822	174.914	ug/l	99
50) 1,1,2-Trichloroethane	11.018	97	355131	172.532	ug/l	98
51) Ethyl methacrylate	10.876	69	631073	189.307	ug/l	97
52) 1,3-Dichloropropane	11.165	76	622735	170.477	ug/l	98
53) Dibromochloromethane	11.359	129	393072	168.990	ug/l	98
54) 1,2-Dibromoethane	11.470	107	376916	179.142	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	1674601	1046.520	ug/l	99
56) Bromoform	12.576	173	267364	182.430	ug/l	100
58) 4-Methyl-2-Pentanone	10.447	43	2972532	1084.631	ug/l	97
59) 2-Hexanone	11.200	43	2111404	1075.545	ug/l	98
61) Tetrachloroethene	11.106	164	281420	89.636	ug/l	97
62) Toluene	10.629	91	1606715	152.743	ug/l	98
64) Chlorobenzene	11.894	112	1032685	153.939	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	340847	154.659	ug/l	99
66) Ethyl Benzene	11.965	91	1822466	160.178	ug/l	99
67) m/p-Xylenes	12.070	106	1394481	312.329	ug/l	99
68) o-Xylene	12.394	106	672570	155.436	ug/l	99
69) Styrene	12.412	104	1159533	160.846	ug/l	98
70) Isopropylbenzene	12.694	105	1669808	162.251	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	567347	231.867	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	471614m	164.456	ug/l	
73) Bromobenzene	12.976	156	398769	155.892	ug/l	96
74) n-propylbenzene	13.035	91	2036919	167.094	ug/l	98
75) 2-Chlorotoluene	13.123	91	1222718	156.271	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	1356652	158.459	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	240560	204.982	ug/l	94
78) 4-Chlorotoluene	13.217	91	1255673	162.009	ug/l	99
79) tert-butylbenzene	13.435	119	1162060	156.987	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	1387864	161.497	ug/l	100
81) sec-Butylbenzene	13.612	105	1597517	158.414	ug/l	99
82) p-Isopropyltoluene	13.729	119	1349971	159.427	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	729988	155.558	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	736335	157.675	ug/l	99
85) n-Butylbenzene	14.053	91	1220446	172.161	ug/l	99
86) Hexachloroethane	14.329	117	249792	173.087	ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	693617	153.225	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	137557	266.961	ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	429237	226.572	ug/l	97
90) Hexachlorobutadiene	15.500	225	120167	147.993	ug/l	98
91) Naphthalene	15.635	128	1756242	265.695	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	429237	226.572	ug/l	97

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

Manual Integrations

Quant Time: Jun 25 10:47:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:38:24 2025
Response via : Initial Calibration





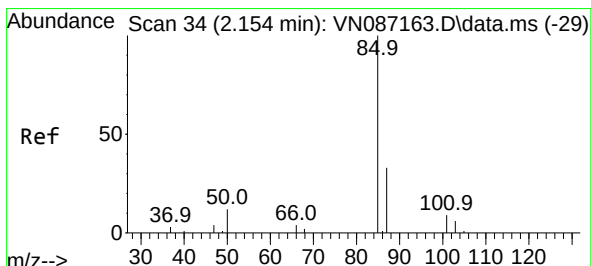
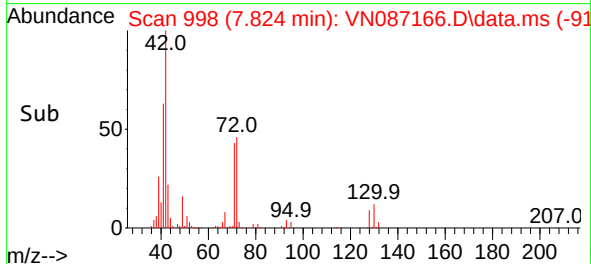
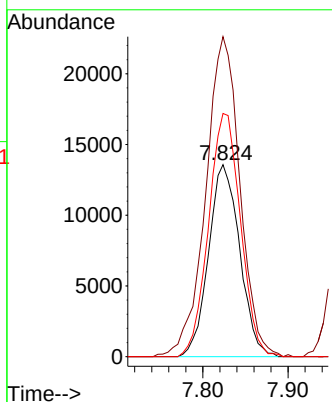
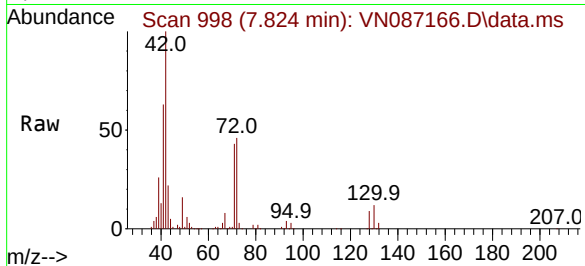
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 34436
Ion Ratio Lower Upper
128 100
49 183.2 0.0 450.5
130 129.8 0.0 320.7

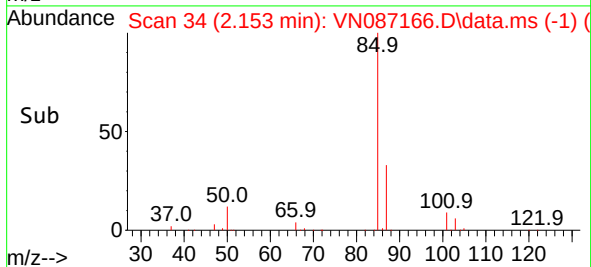
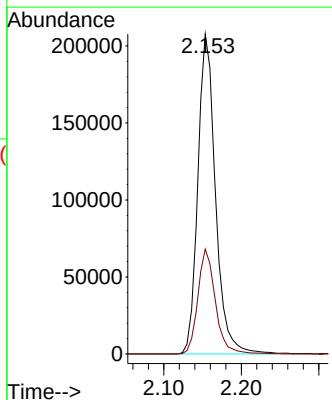
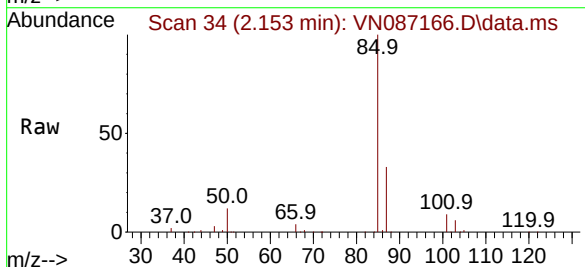
Manual Integrations
APPROVED

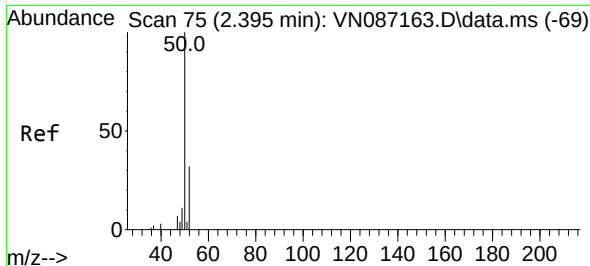
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#2
Dichlorodifluoromethane
Concen: 140.560 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

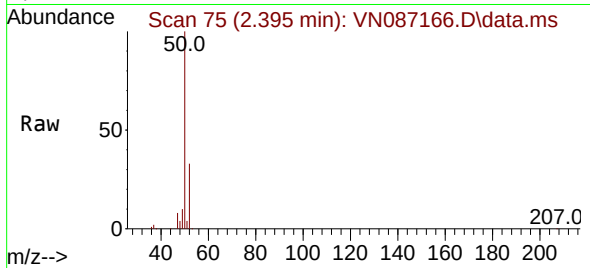
Tgt Ion: 85 Resp: 328743
Ion Ratio Lower Upper
85 100
87 32.8 16.7 50.0





#3
Chloromethane
Concen: 114.281 ug/l
RT: 2.395 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

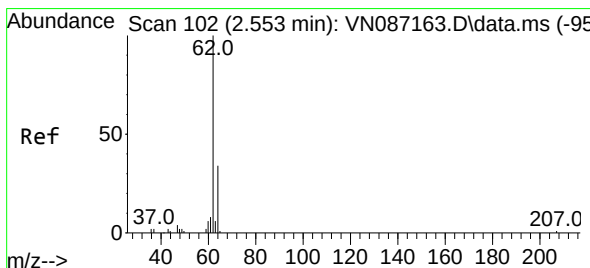
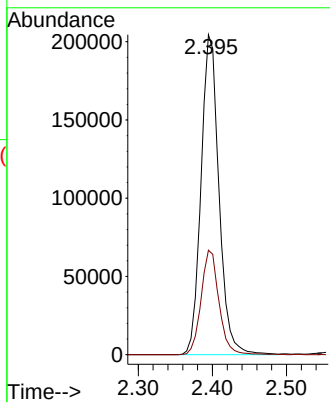
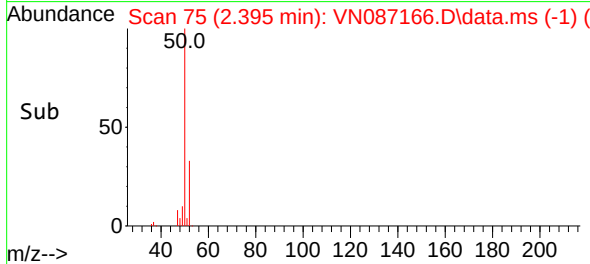
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



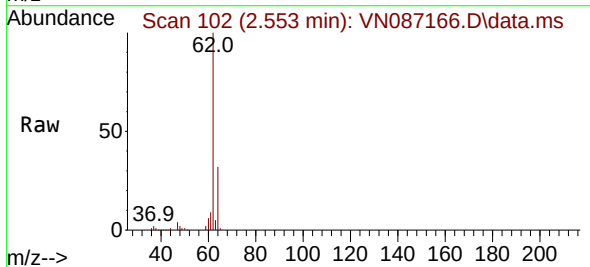
Tgt Ion: 50 Resp: 344610
Ion Ratio Lower Upper
50 100
52 32.6 25.9 38.9

Manual Integrations
APPROVED

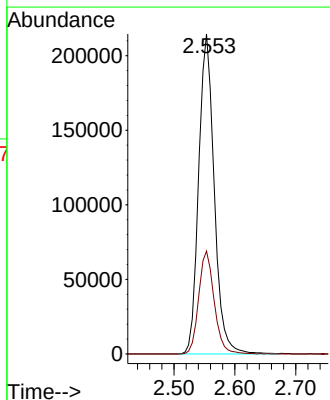
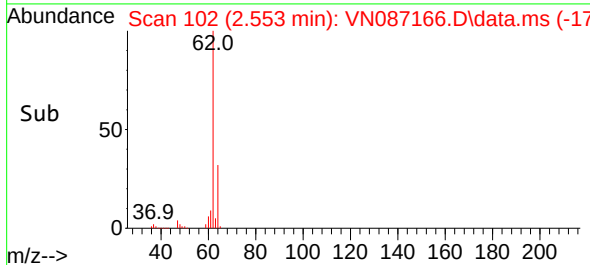
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

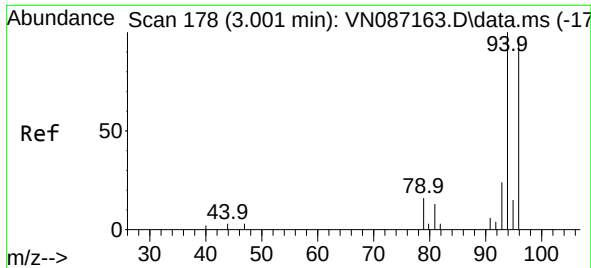


#4
Vinyl Chloride
Concen: 137.080 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



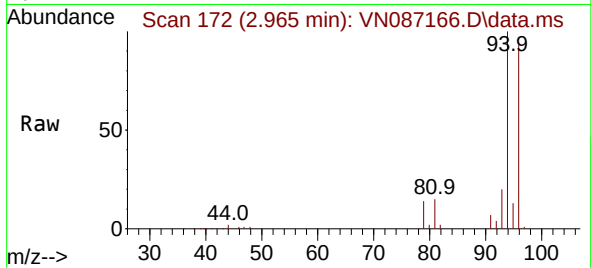
Tgt Ion: 62 Resp: 380413
Ion Ratio Lower Upper
62 100
64 32.2 27.4 41.2





#5
Bromomethane
Concen: 133.348 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

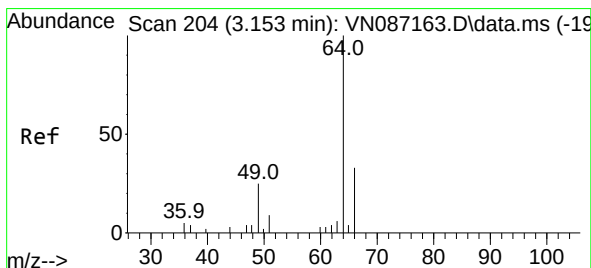
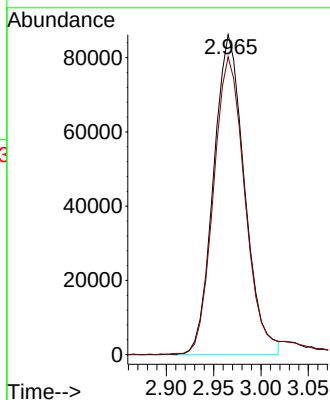
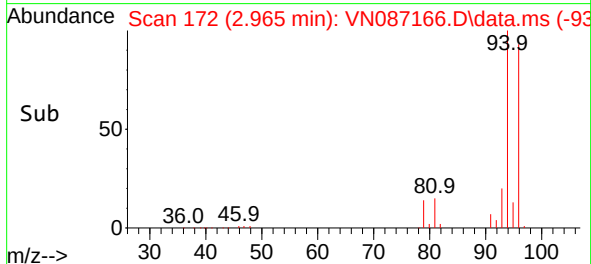
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



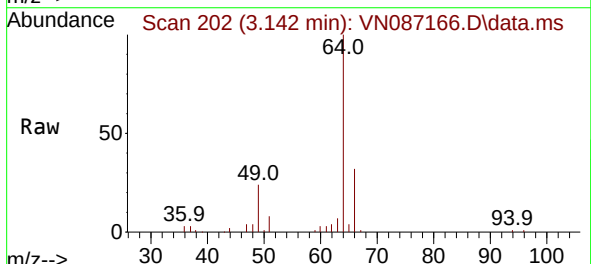
Tgt Ion: 94 Resp: 196072
Ion Ratio Lower Upper
94 100
96 92.8 77.9 116.9

Manual Integrations
APPROVED

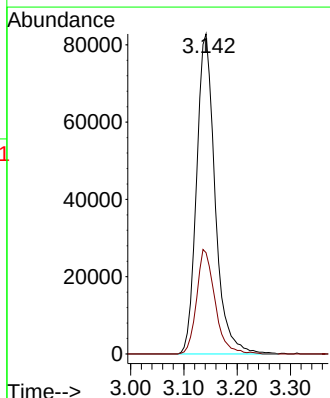
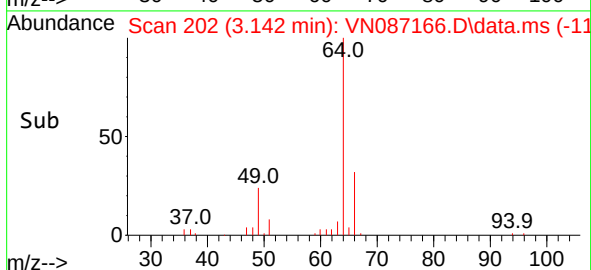
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

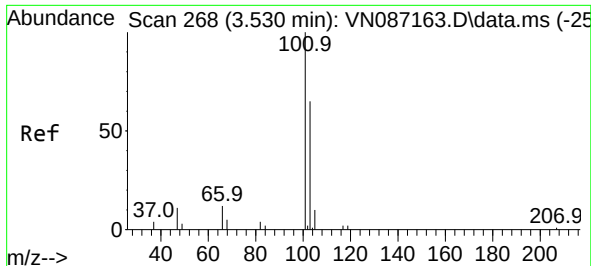


#6
Chloroethane
Concen: 117.788 ug/l
RT: 3.142 min Scan# 202
Delta R.T. -0.012 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



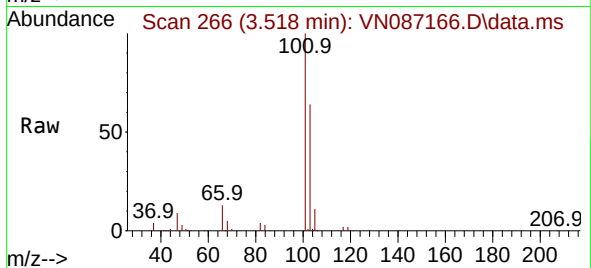
Tgt Ion: 64 Resp: 199925
Ion Ratio Lower Upper
64 100
66 31.6 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 134.888 ug/l
 RT: 3.518 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: VN087166.D
 Acq: 25 Jun 2025 10:24

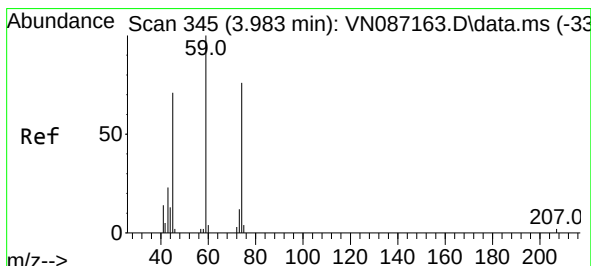
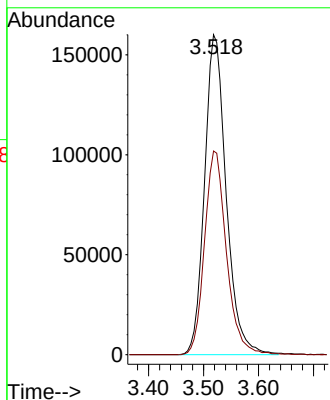
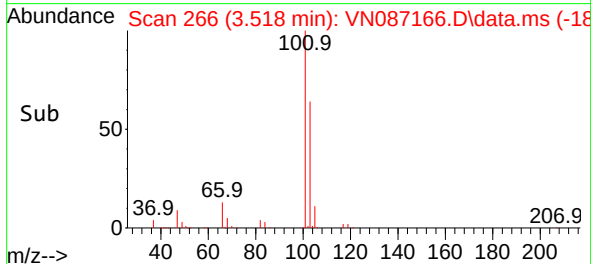
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



Tgt Ion:101 Resp: 43842
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.8 77.8

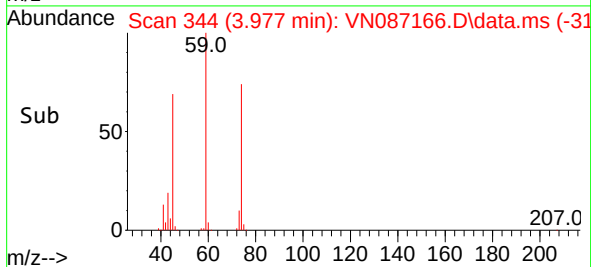
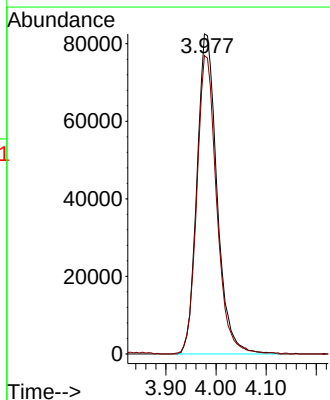
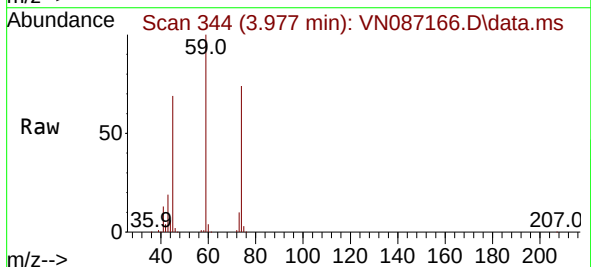
Manual Integrations
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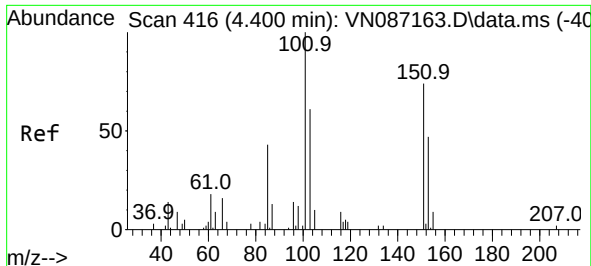
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#8
 Diethyl Ether
 Concen: 168.656 ug/l
 RT: 3.977 min Scan# 344
 Delta R.T. -0.006 min
 Lab File: VN087166.D
 Acq: 25 Jun 2025 10:24

Tgt Ion: 74 Resp: 228664
 Ion Ratio Lower Upper
 74 100
 45 92.4 19.0 171.0





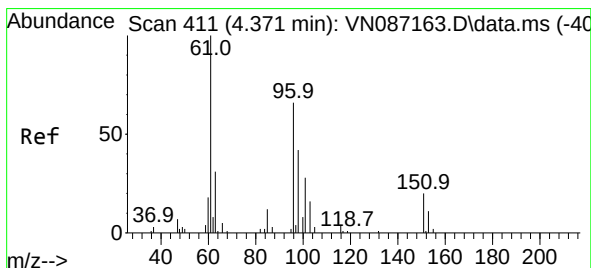
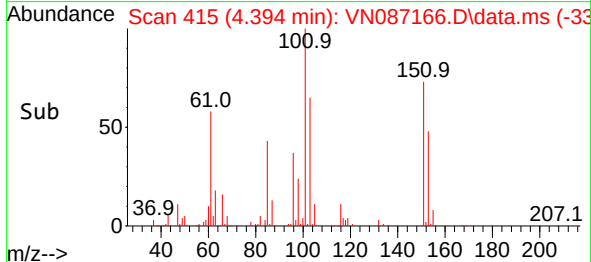
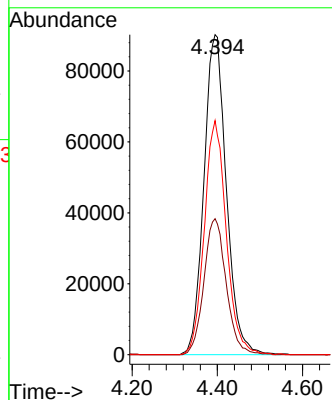
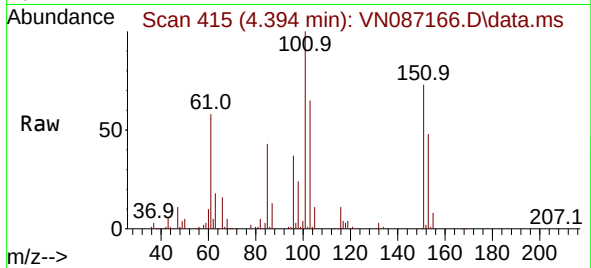
#9
1,1,2-Trichlorotrifluoroethane
Concen: 165.921 ug/l
RT: 4.394 min Scan# 416
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 330508
Ion Ratio Lower Upper
101 100
85 42.2 0.0 40.6
151 71.6 0.0 141.2

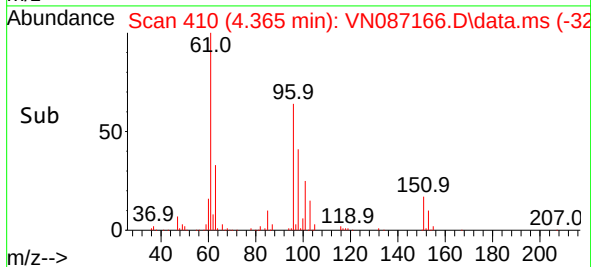
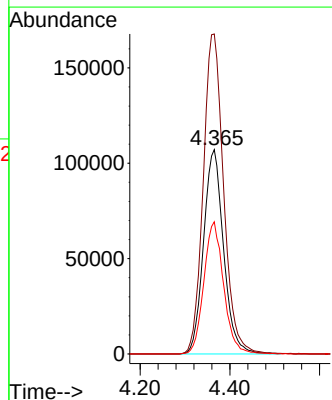
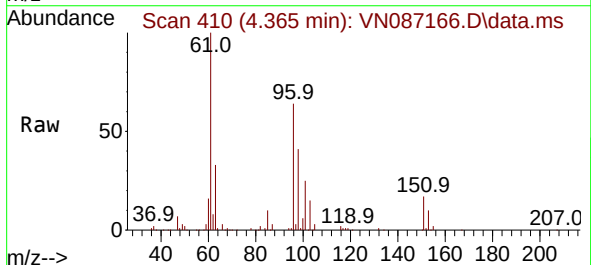
Manual Integrations
APPROVED

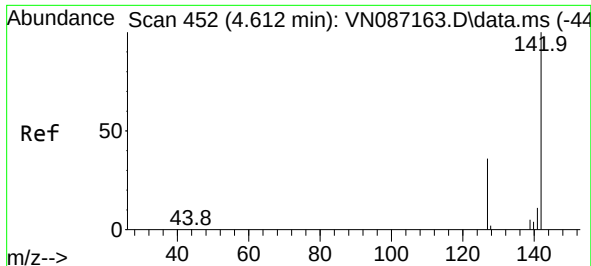
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#10
1,1-Dichloroethene
Concen: 163.541 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

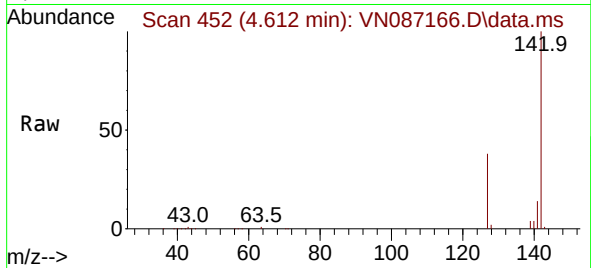
Tgt Ion: 96 Resp: 332121
Ion Ratio Lower Upper
96 100
61 156.6 122.0 183.0
98 64.7 50.3 75.5





#11
Methyl Iodide
Concen: 152.023 ug/l
RT: 4.612 min Scan# 452
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

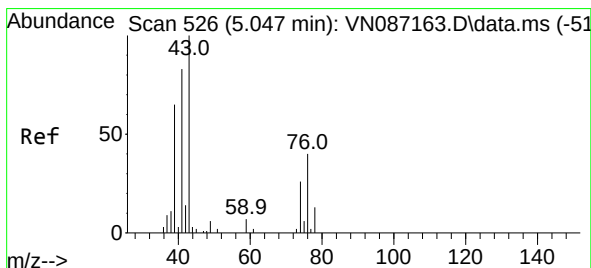
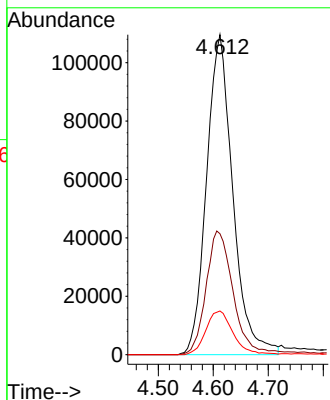
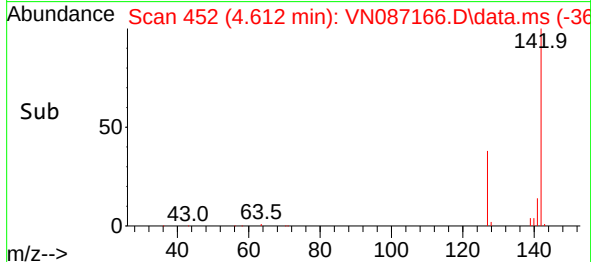
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion:142 Resp: 36394
Ion Ratio Lower Upper
142 100
127 37.7 18.1 54.1
141 13.7 5.7 17.1

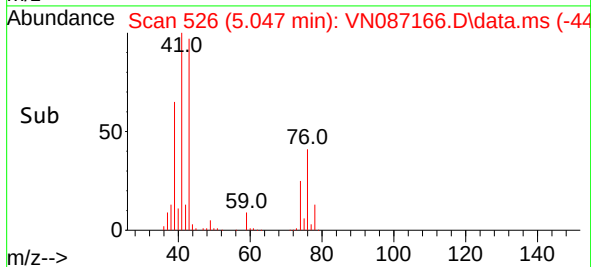
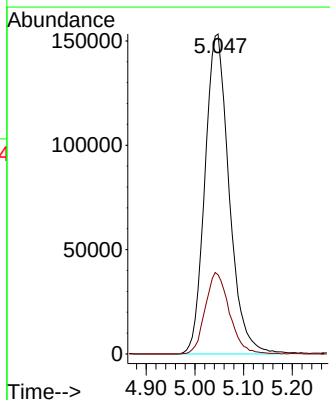
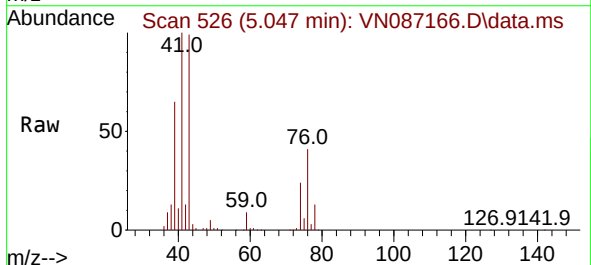
Manual Integrations
APPROVED

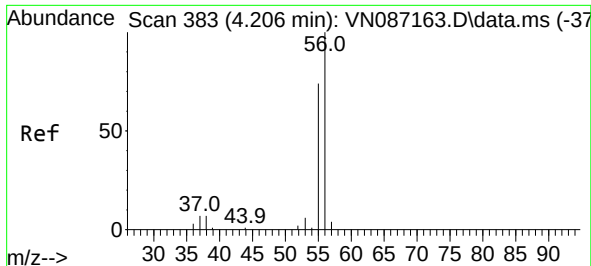
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#12
Methyl Acetate
Concen: 234.665 ug/l
RT: 5.047 min Scan# 526
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Tgt Ion: 43 Resp: 529248
Ion Ratio Lower Upper
43 100
74 24.7 20.3 30.5





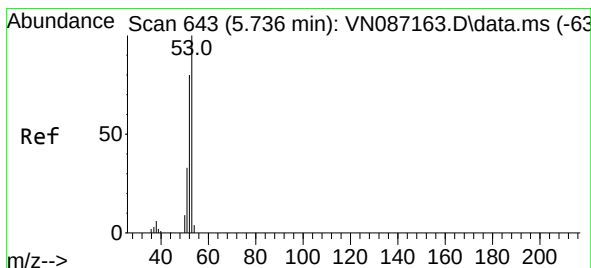
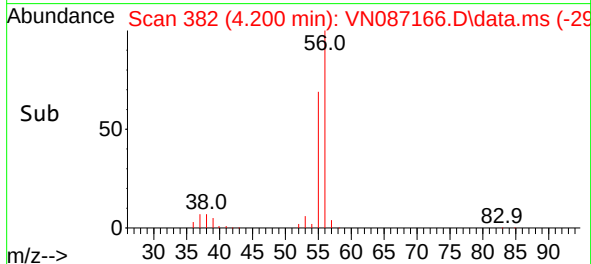
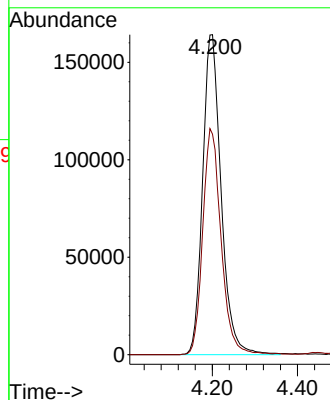
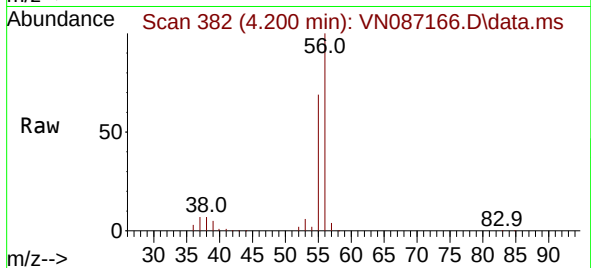
#13
Acrolein
Concen: 2120.692 ug/l
RT: 4.200 min Scan# 383
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 494100
Ion Ratio Lower Upper
56 100
55 69.7 55.7 83.5

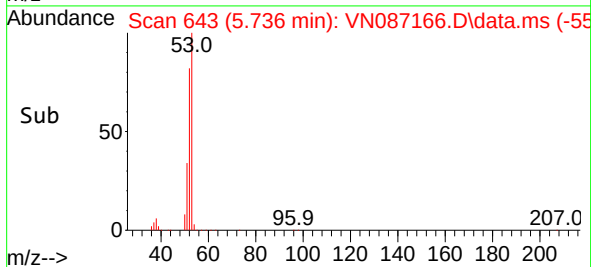
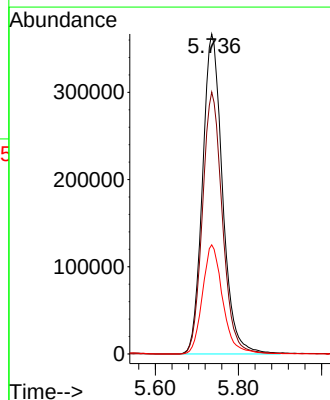
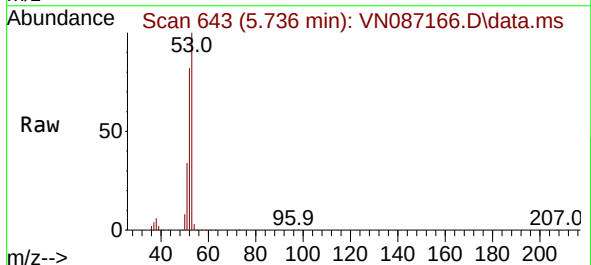
Manual Integrations
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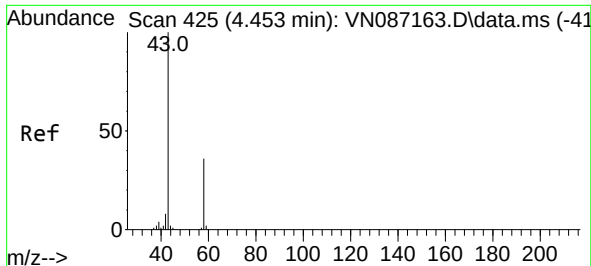
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#14
Acrylonitrile
Concen: 1171.622 ug/l
RT: 5.736 min Scan# 643
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

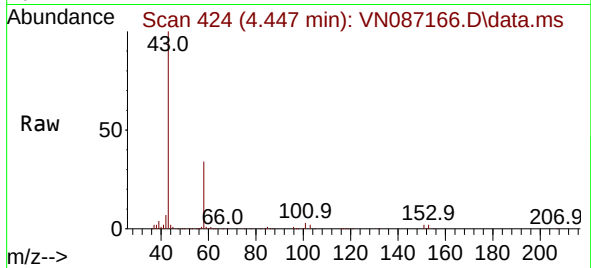
Tgt Ion: 53 Resp: 1229651
Ion Ratio Lower Upper
53 100
52 81.2 40.5 121.5
51 34.5 16.9 50.7





#15
Acetone
Concen: 1262.652 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

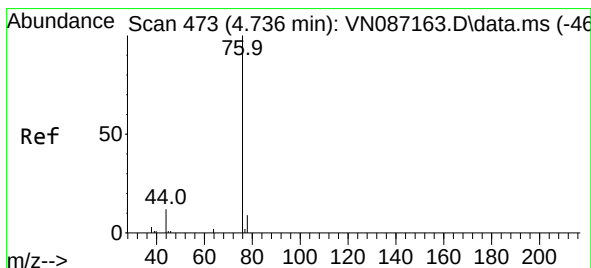
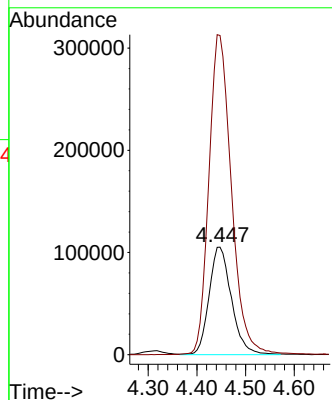
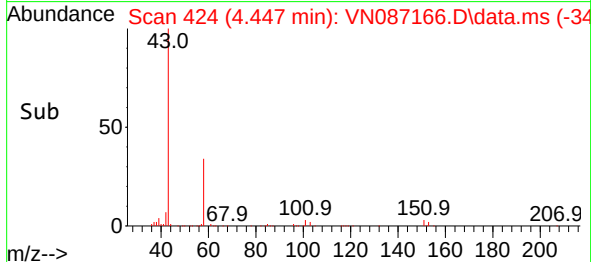
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 58 Resp: 335530
Ion Ratio Lower Upper
58 100
43 297.6 224.3 336.5

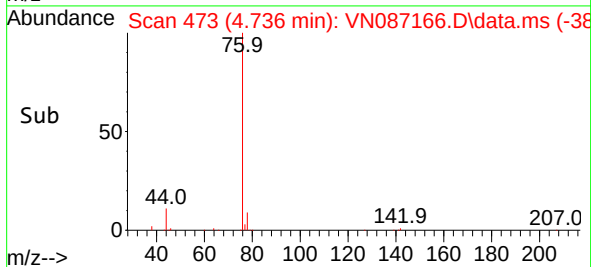
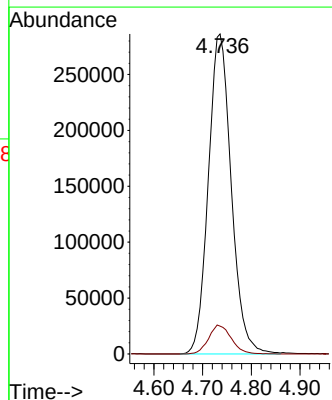
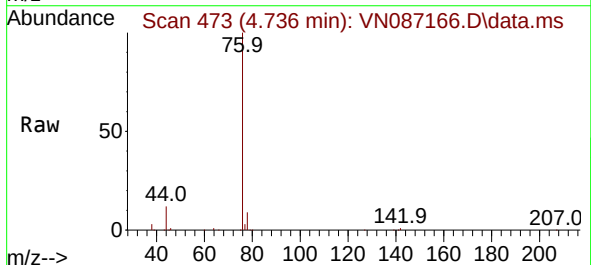
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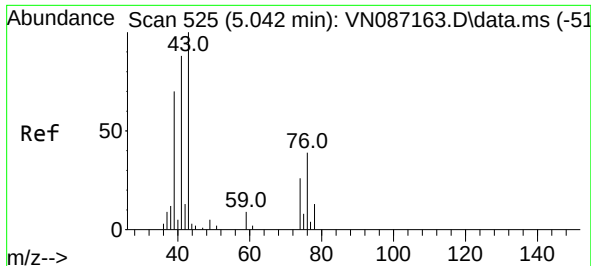
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#16
Carbon Disulfide
Concen: 157.671 ug/l
RT: 4.736 min Scan# 473
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

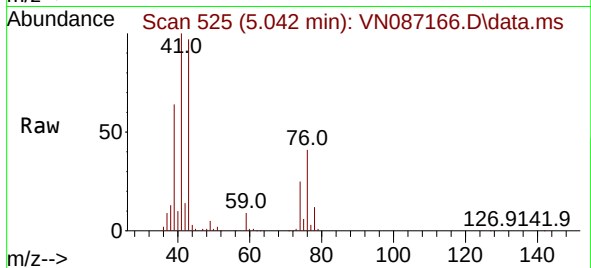
Tgt Ion: 76 Resp: 934684
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8





#17
Allyl chloride
Concen: 181.407 ug/l
RT: 5.042 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

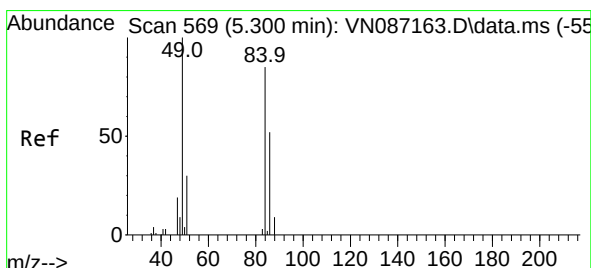
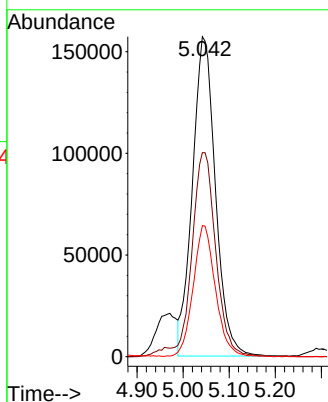
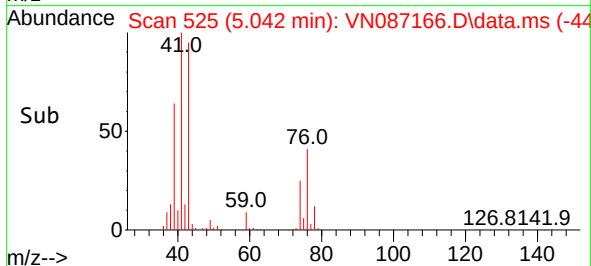
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 41 Resp: 54729
Ion Ratio Lower Upper
41 100
39 63.6 36.0 108.0
76 40.9 19.5 58.5

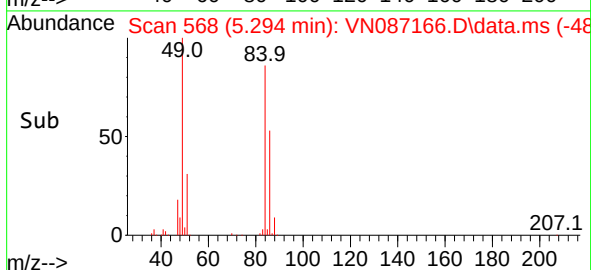
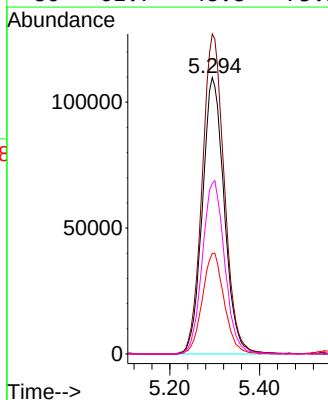
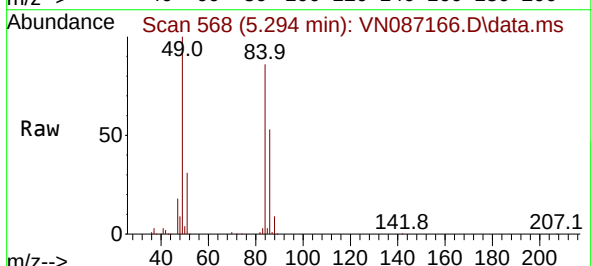
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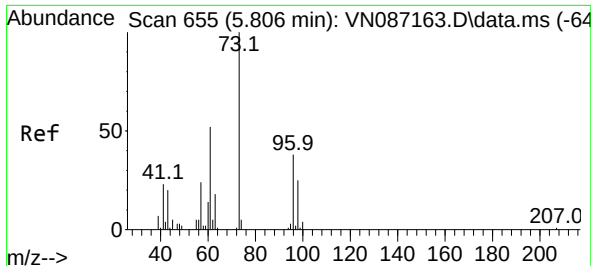
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#18
Methylene Chloride
Concen: 157.151 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

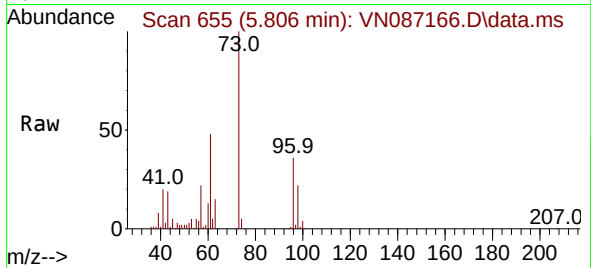
Tgt Ion: 84 Resp: 370628
Ion Ratio Lower Upper
84 100
49 115.5 94.0 141.0
51 36.4 28.3 42.5
86 61.7 48.8 73.2





#19
trans-1,2-Dichloroethene
Concen: 166.418 ug/l
RT: 5.806 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

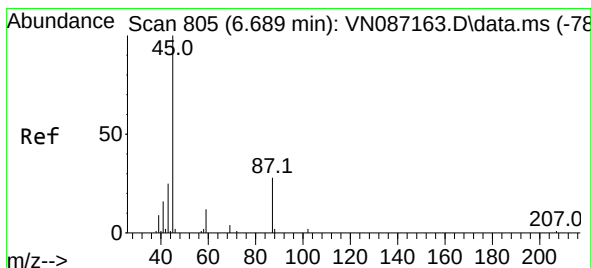
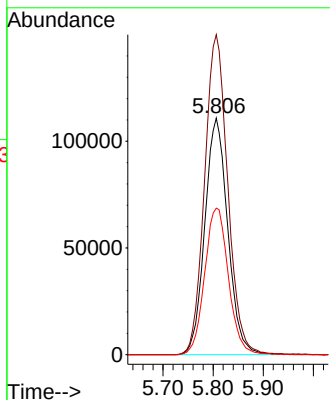
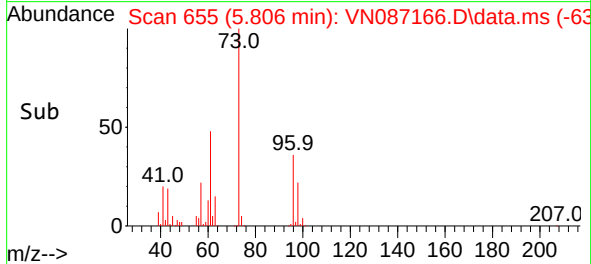
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 96 Resp: 353679
Ion Ratio Lower Upper
96 100
61 135.0 110.3 165.5
98 62.0 51.6 77.4

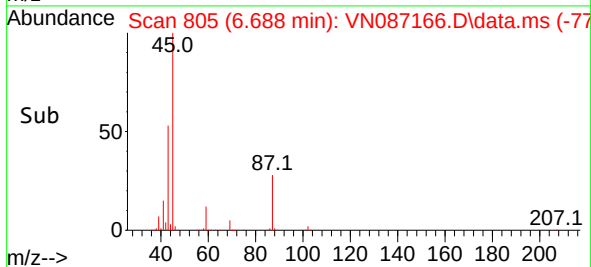
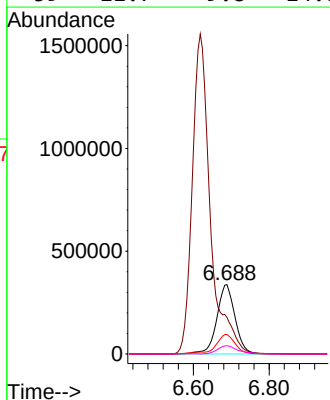
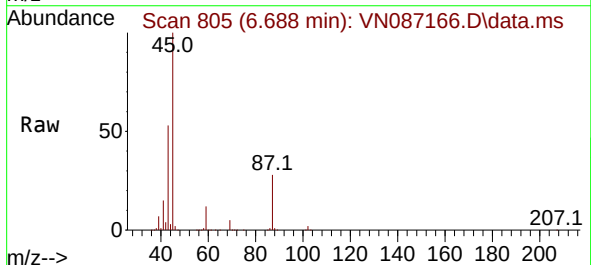
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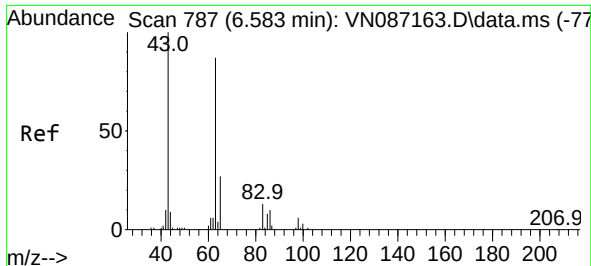
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#20
Diisopropyl ether
Concen: 169.621 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

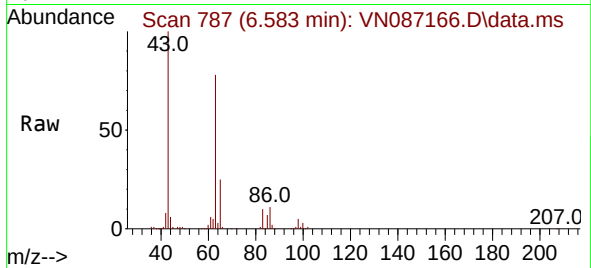
Tgt Ion: 45 Resp: 1127057
Ion Ratio Lower Upper
45 100
43 52.2 45.3 67.9
87 28.1 22.6 33.8
59 11.7 9.8 14.8





#21
1,1-Dichloroethane
Concen: 166.042 ug/l
RT: 6.583 min Scan# 787
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

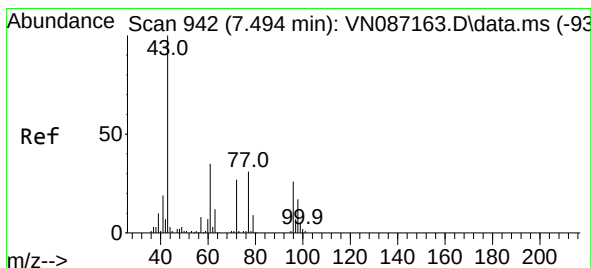
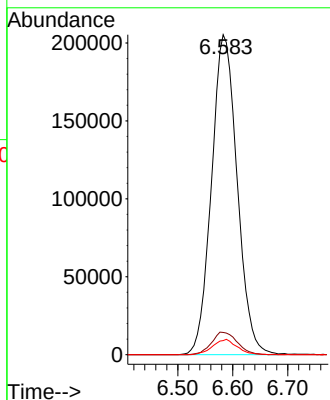
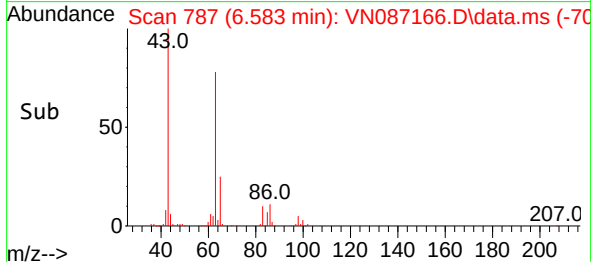
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 63 Resp: 665820
Ion Ratio Lower Upper
63 100
98 7.0 3.5 10.4
100 4.4 2.0 5.8

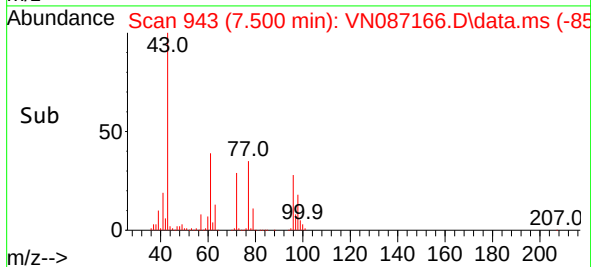
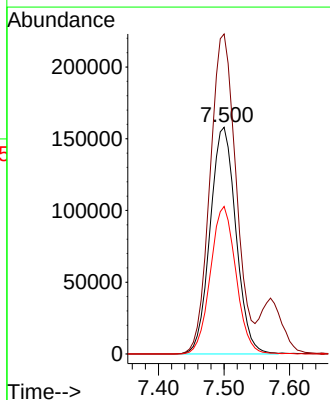
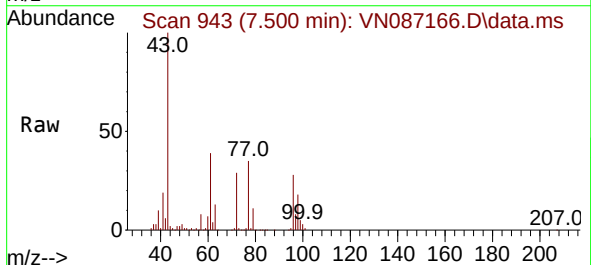
Manual Integrations
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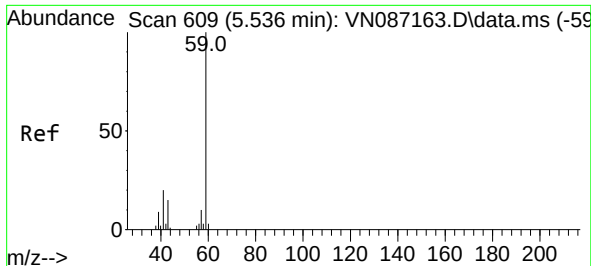
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#22
cis-1,2-Dichloroethene
Concen: 167.622 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

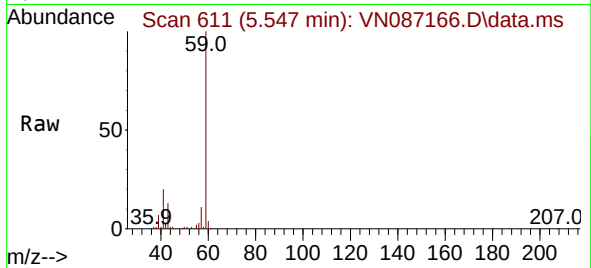
Tgt Ion: 96 Resp: 431407
Ion Ratio Lower Upper
96 100
61 142.9 119.2 178.8
98 64.4 50.6 75.8





#23
tert-Butyl Alcohol
Concen: 1378.774 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

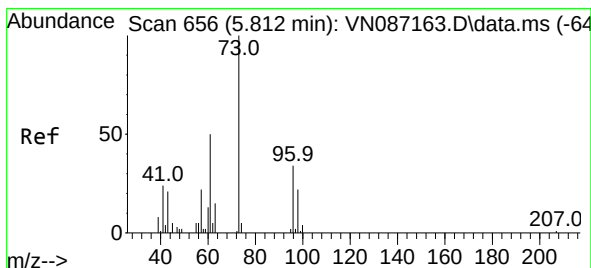
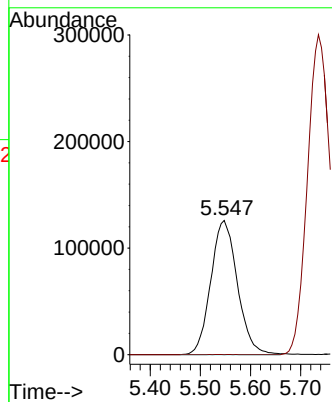
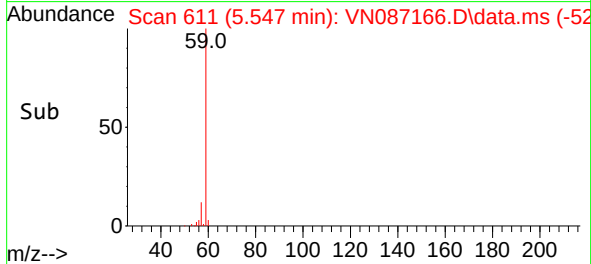
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 59 Resp: 464693
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

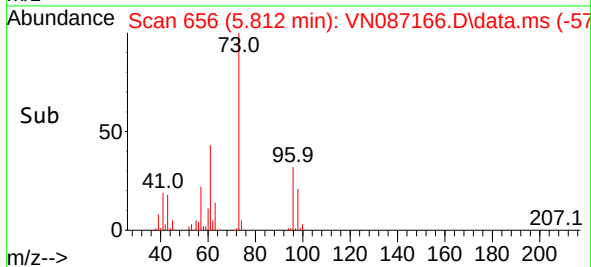
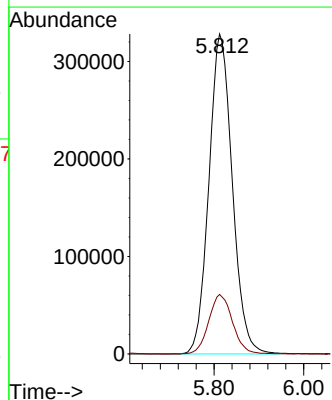
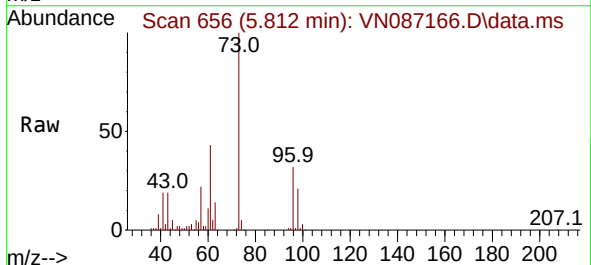
Manual Integrations
APPROVED

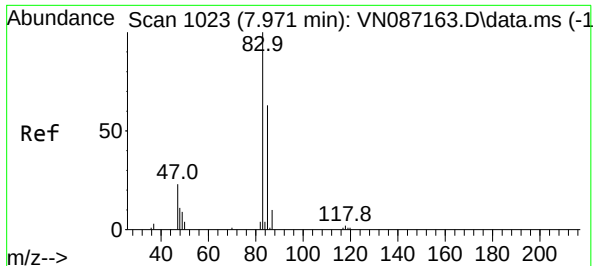
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#24
Methyl tert-Butyl Ether
Concen: 177.588 ug/l
RT: 5.812 min Scan# 656
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

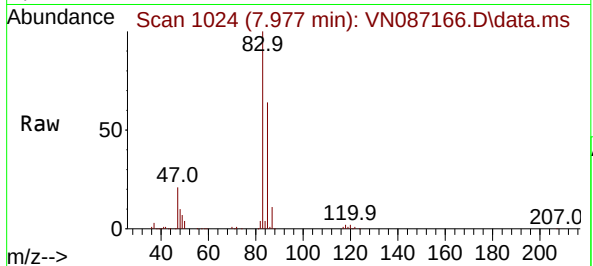
Tgt Ion: 73 Resp: 1188591
Ion Ratio Lower Upper
73 100
43 18.9 16.4 24.6





#25
Chloroform
Concen: 164.630 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

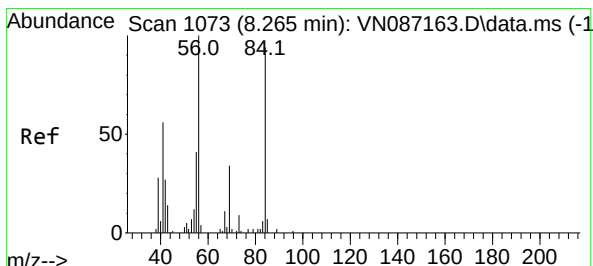
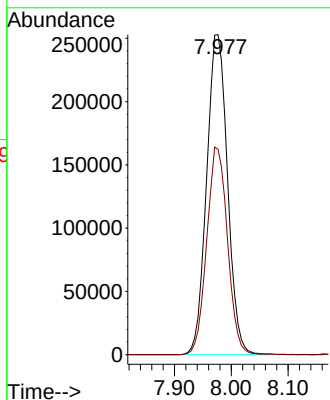
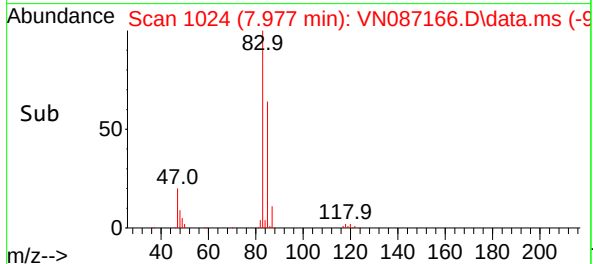
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



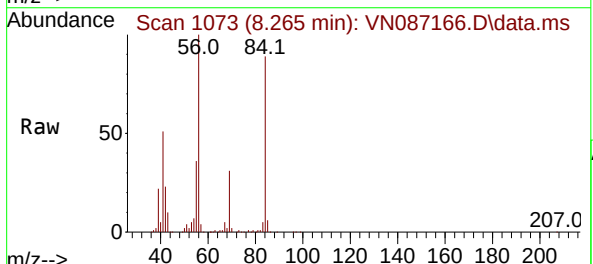
Tgt Ion: 83 Resp: 64614
Ion Ratio Lower Upper
83 100
85 64.2 50.7 76.1

Manual Integrations
APPROVED

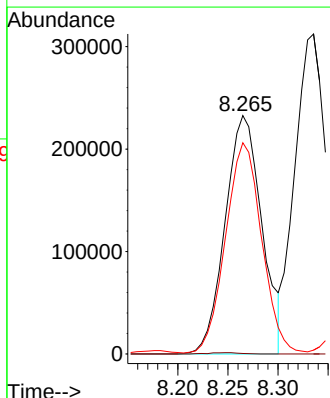
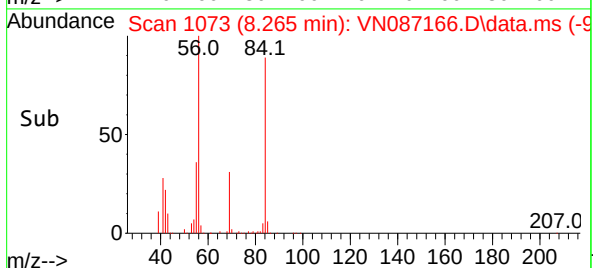
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

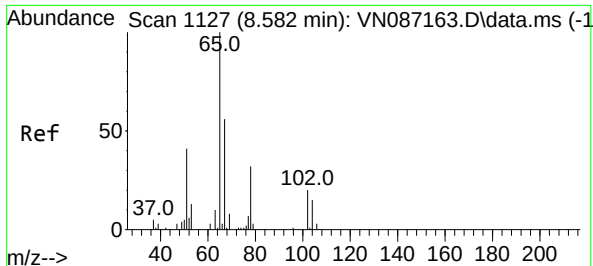


#26
Cyclohexane
Concen: 170.905 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



Tgt Ion: 56 Resp: 593136
Ion Ratio Lower Upper
56 100
89 0.4 6.9 10.3#
84 87.6 69.1 103.7





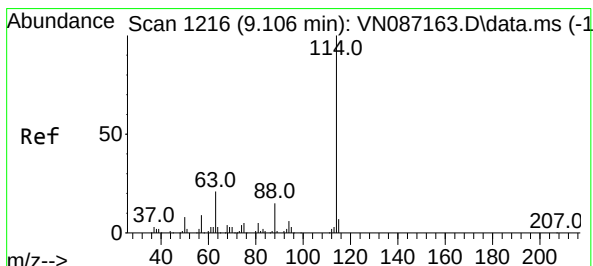
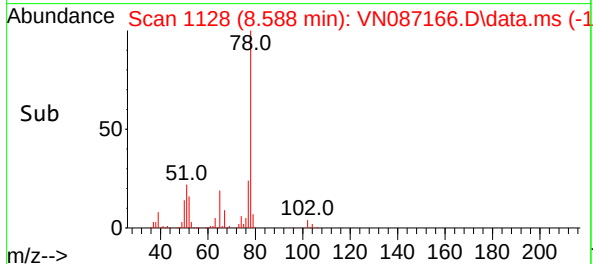
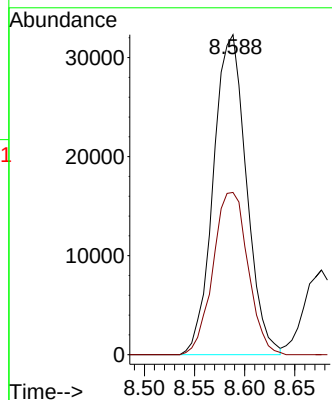
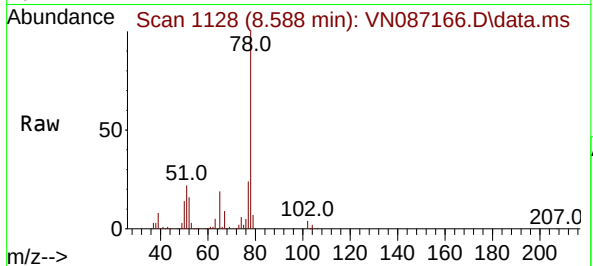
#27
1,2-Dichloroethane-d4
Concen: 31.331 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 65 Resp: 74130
Ion Ratio Lower Upper
65 100
67 53.5 41.9 62.9

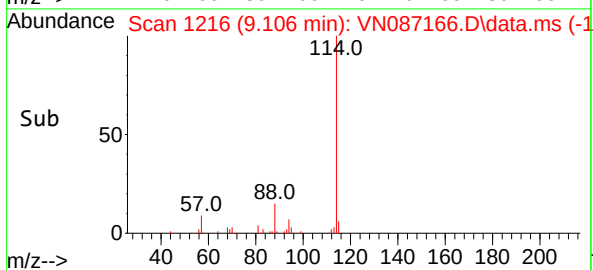
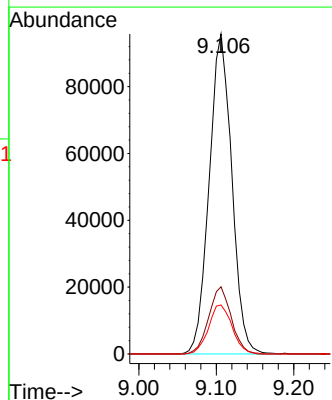
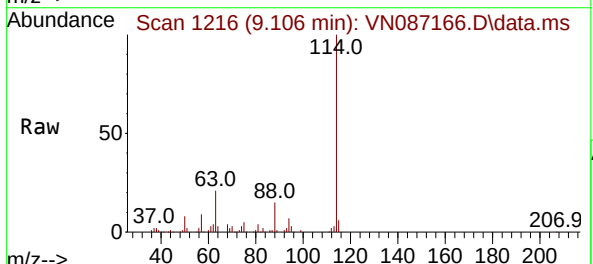
Manual Integrations
APPROVED

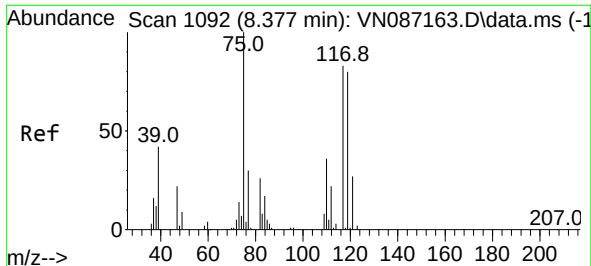
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Tgt Ion:114 Resp: 194011
Ion Ratio Lower Upper
114 100
63 20.9 17.0 25.4
88 16.0 12.6 19.0





#29

1,1-Dichloropropene

Concen: 170.277 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 485720

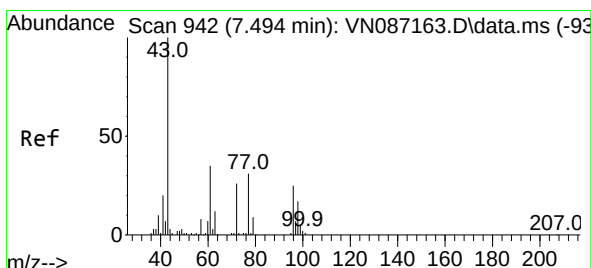
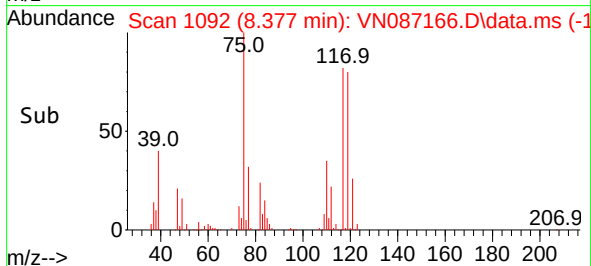
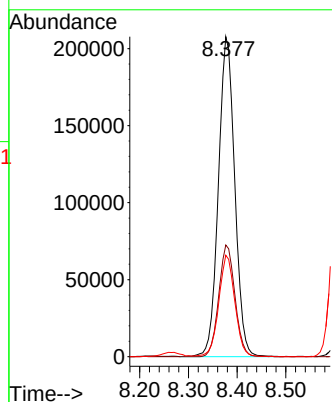
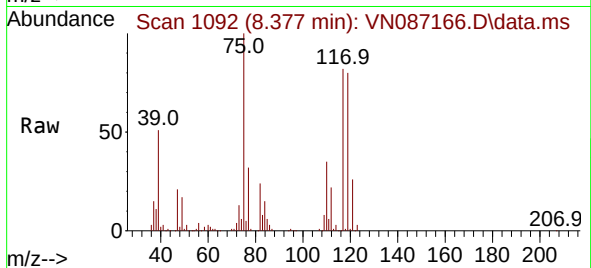
Ion	Ratio	Lower	Upper
75	100		
110	34.5	0.0	69.2
77	31.3	0.0	61.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#30

2-Butanone

Concen: 1323.281 ug/l

RT: 7.494 min Scan# 942

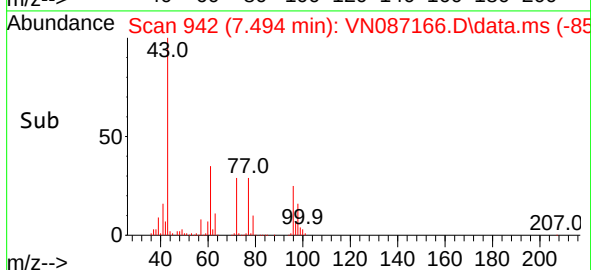
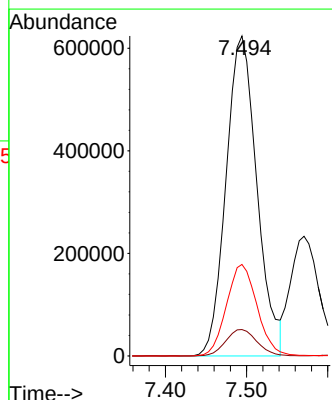
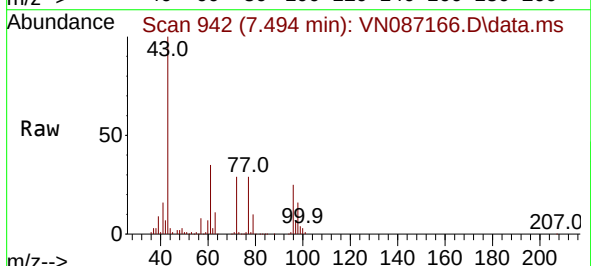
Delta R.T. -0.000 min

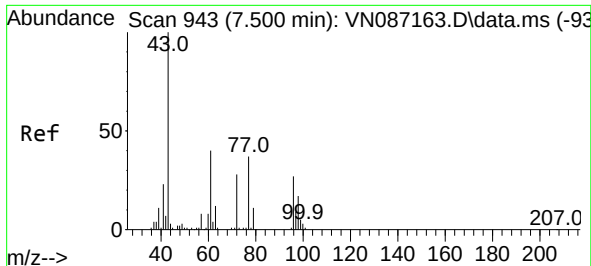
Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Tgt Ion: 43 Resp: 1653884

Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.3	9.5
72	28.4	21.8	32.6





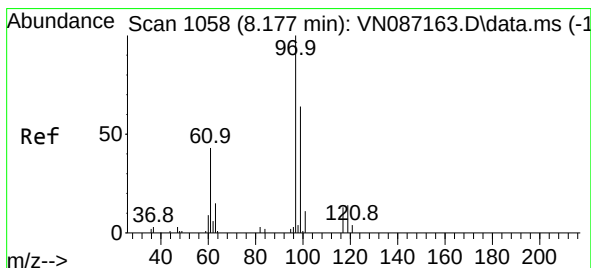
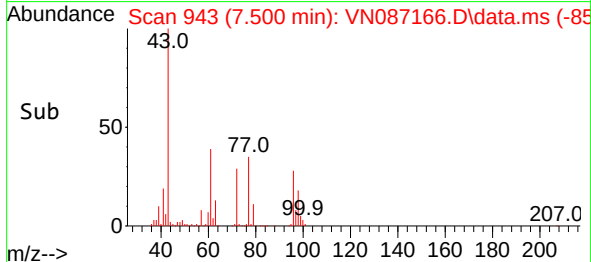
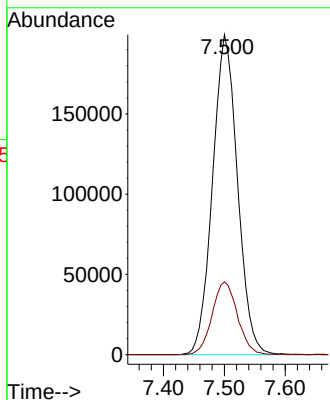
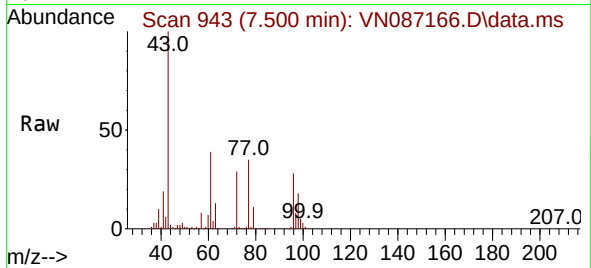
#31
2,2-Dichloropropane
Concen: 168.554 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 77 Resp: 56754
Ion Ratio Lower Upper
77 100
97 23.1 18.4 27.6

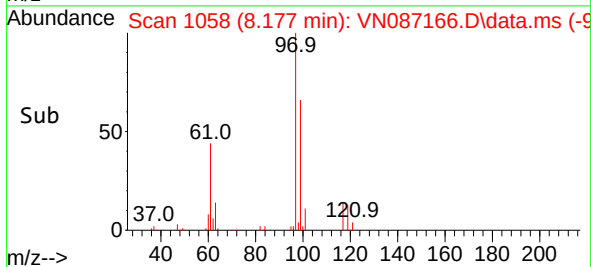
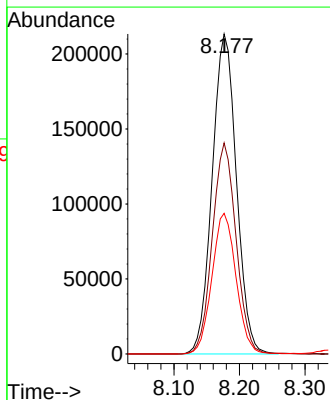
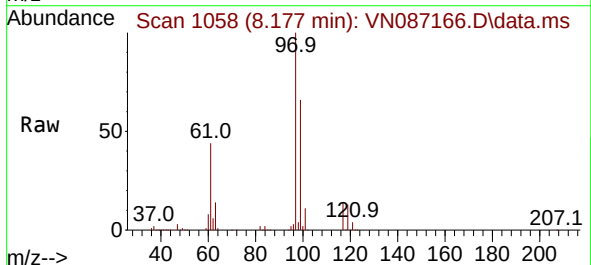
Manual Integrations
APPROVED

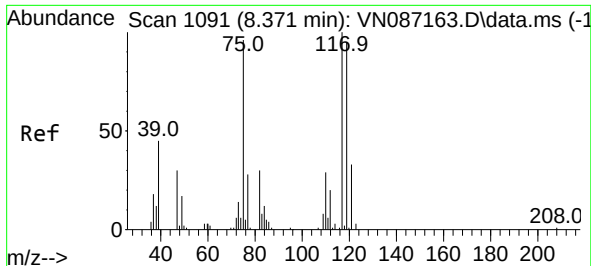
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#32
1,1,1-Trichloroethane
Concen: 165.656 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

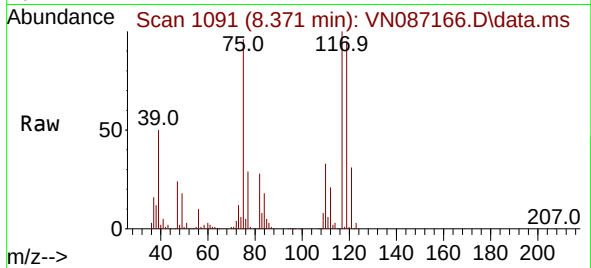
Tgt Ion: 97 Resp: 547772
Ion Ratio Lower Upper
97 100
99 64.7 50.8 76.2
61 43.7 36.1 54.1





#33
Carbon Tetrachloride
Concen: 164.834 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

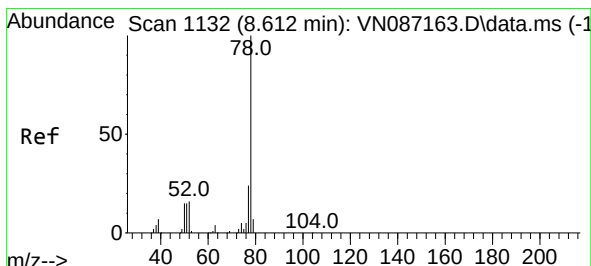
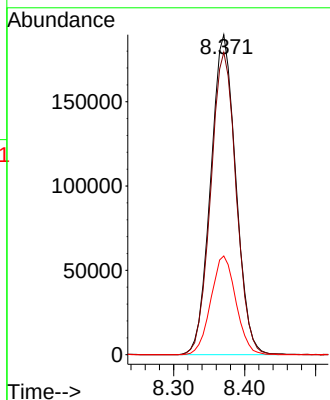
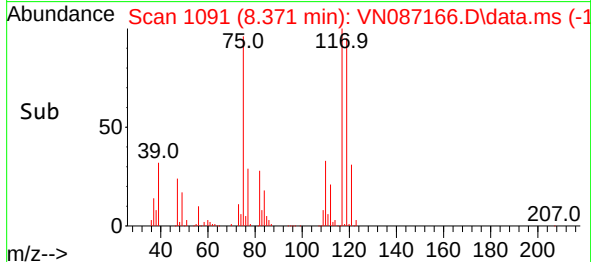
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



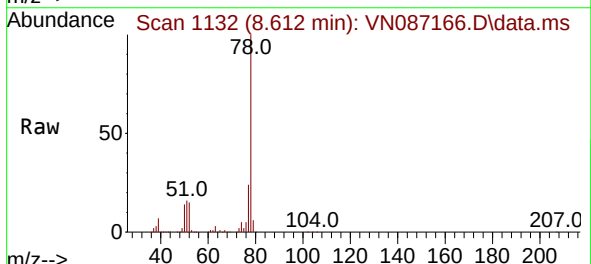
Tgt Ion: 117 Resp: 465910
Ion Ratio Lower Upper
117 100
119 94.5 75.8 113.6
121 30.9 26.2 39.4

Manual Integrations
APPROVED

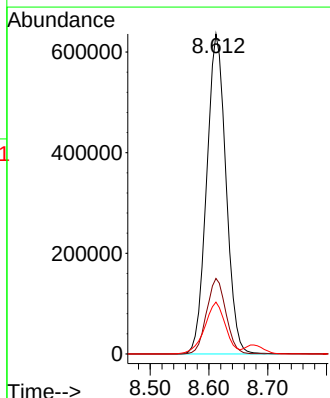
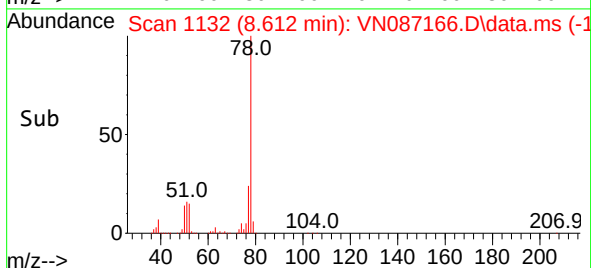
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

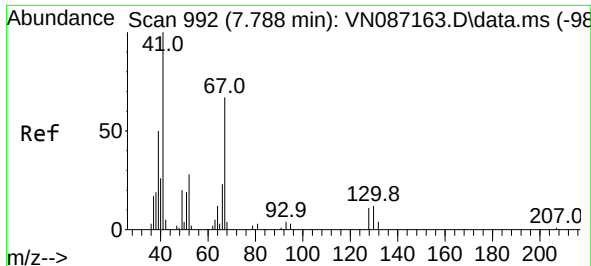


#34
Benzene
Concen: 156.178 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



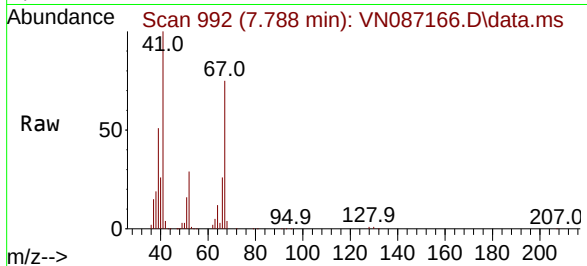
Tgt Ion: 78 Resp: 1449530
Ion Ratio Lower Upper
78 100
77 23.6 19.5 29.3
51 16.1 14.8 22.2





#35
Methacrylonitrile
Concen: 226.112 ug/l
RT: 7.788 min Scan# 992
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

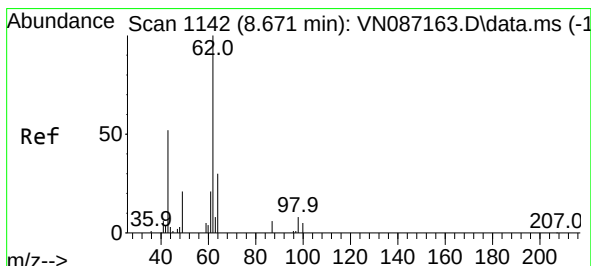
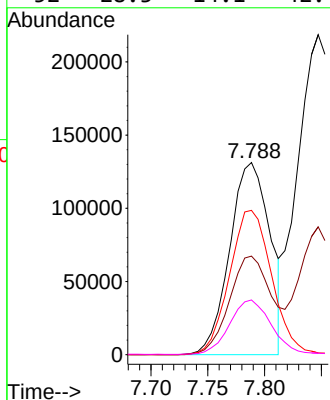
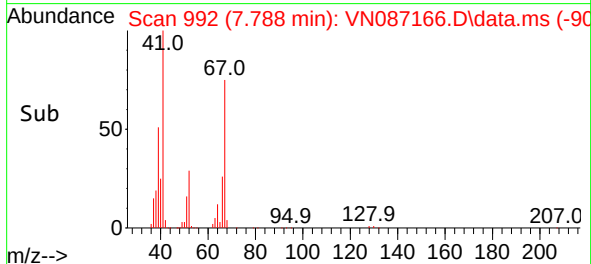
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



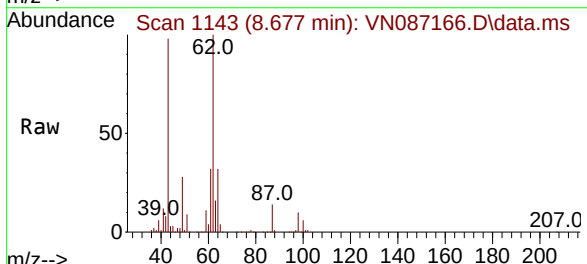
Tgt Ion: 41 Resp: 324629
Ion Ratio Lower Upper
41 100
39 51.3 24.4 73.2
67 75.2 33.3 99.8
52 28.3 14.1 42.4

Manual Integrations
APPROVED

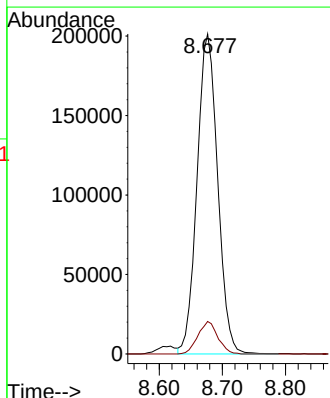
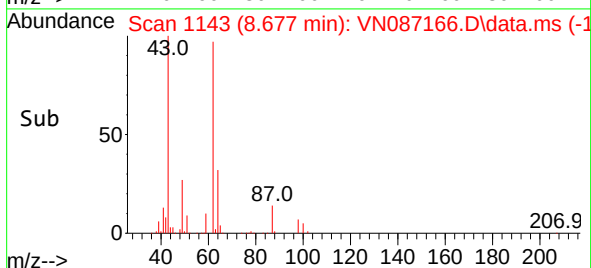
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

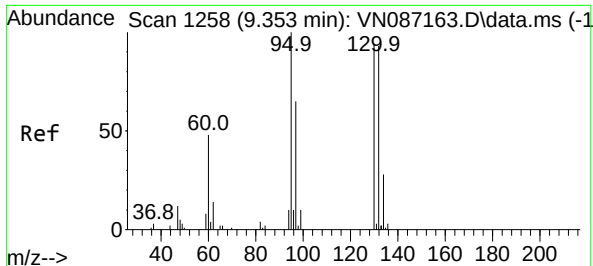


#36
1,2-Dichloroethane
Concen: 167.948 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



Tgt Ion: 62 Resp: 456777
Ion Ratio Lower Upper
62 100
98 9.8 7.2 10.8





#37

Trichloroethene

Concen: 133.684 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.006 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion:130 Resp: 344162

Ion Ratio Lower Upper

130 100

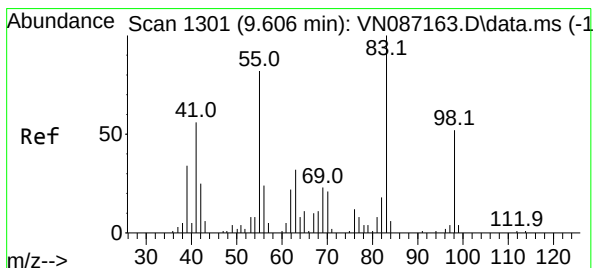
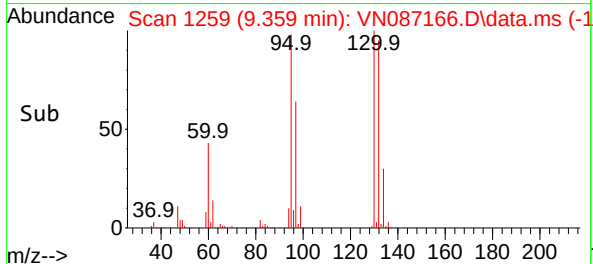
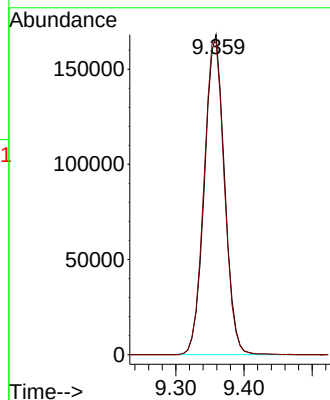
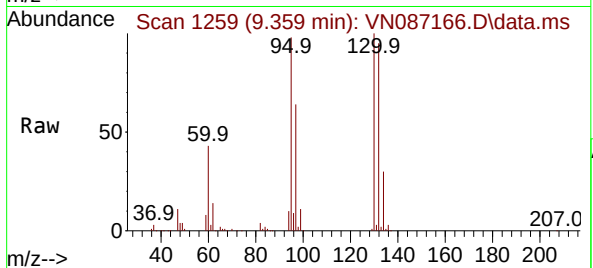
95 97.7 85.3 127.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#38

Methylcyclohexane

Concen: 178.256 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

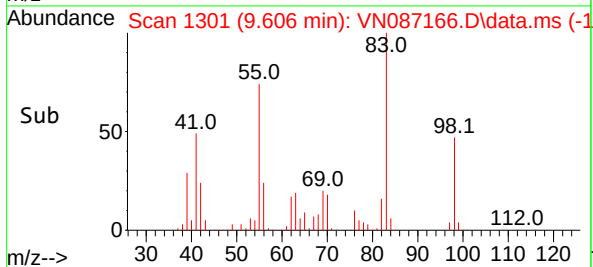
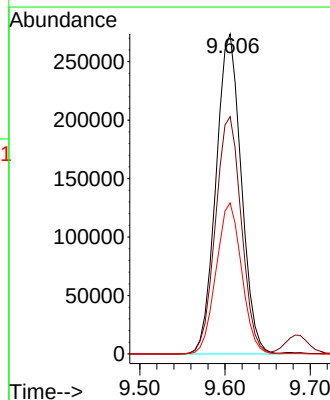
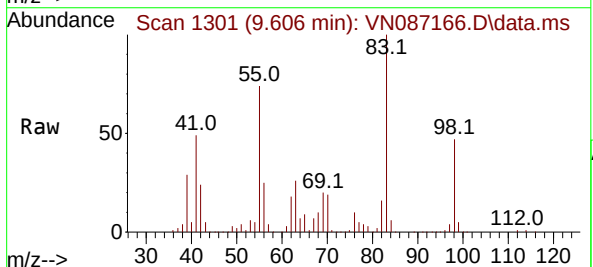
Tgt Ion: 83 Resp: 564171

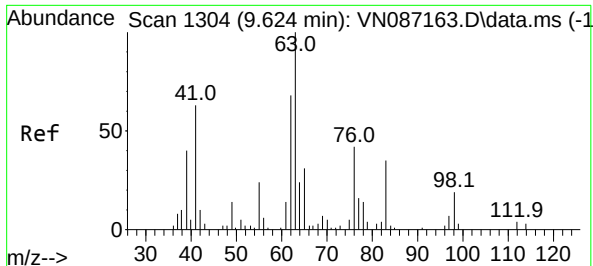
Ion Ratio Lower Upper

83 100

55 76.0 40.1 120.2

98 47.6 24.4 73.2





#39

1,2-Dichloropropane

Concen: 165.854 ug/l

RT: 9.624 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 37059

Ion Ratio Lower Upper

63 100

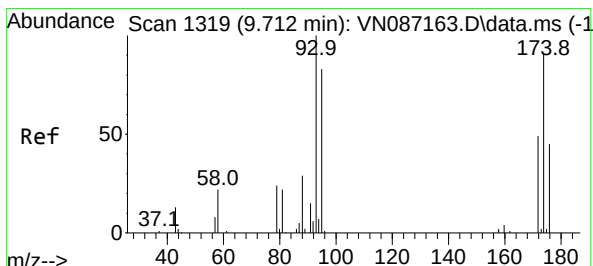
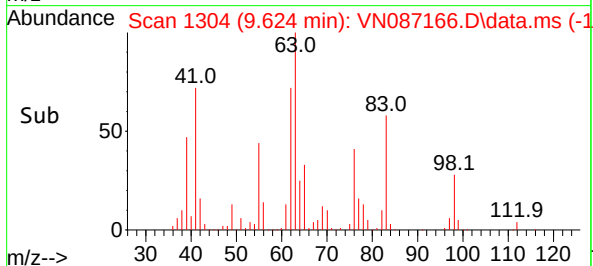
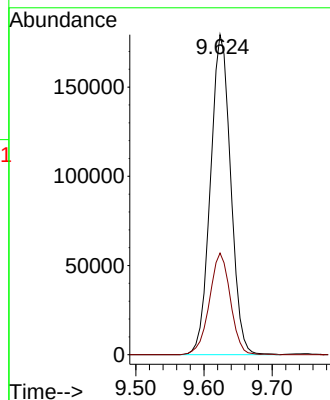
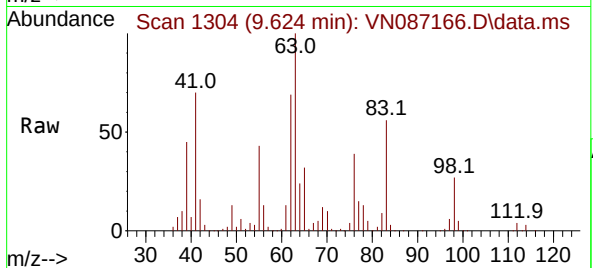
65 31.8 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#40

Dibromomethane

Concen: 170.265 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

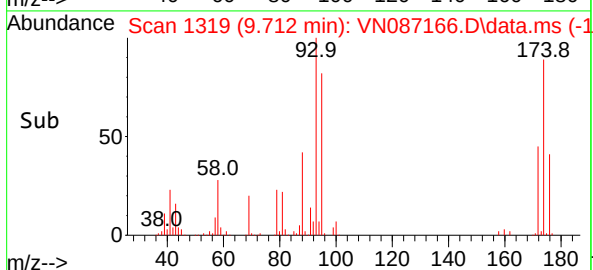
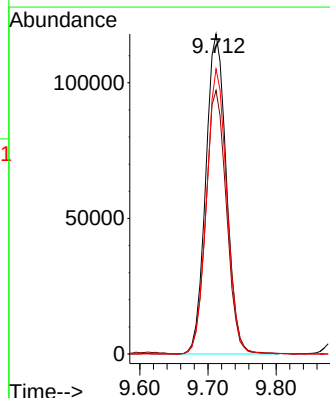
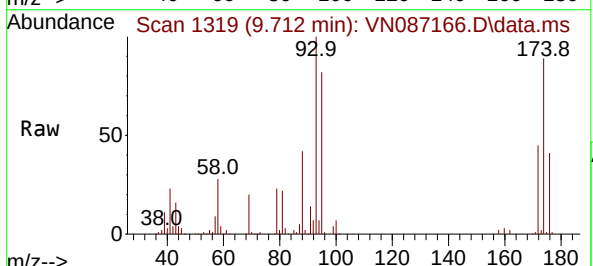
Tgt Ion: 93 Resp: 248835

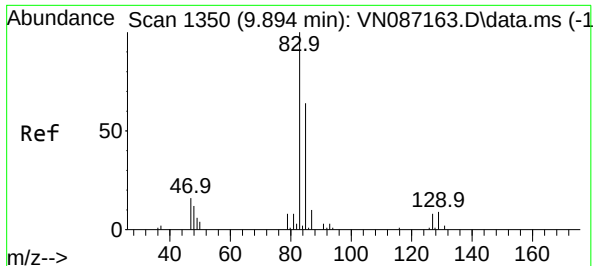
Ion Ratio Lower Upper

93 100

95 81.9 0.0 170.8

174 87.8 0.0 176.6





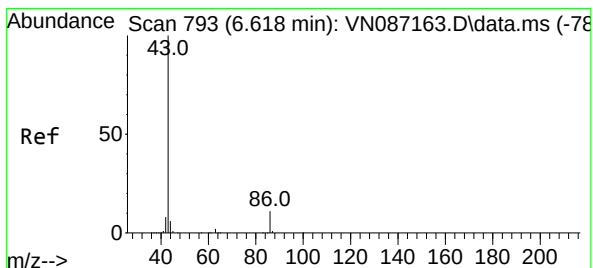
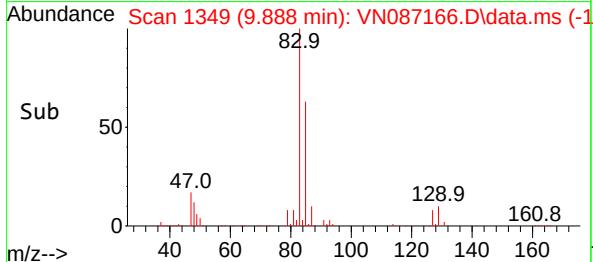
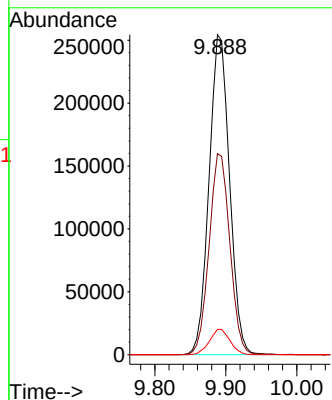
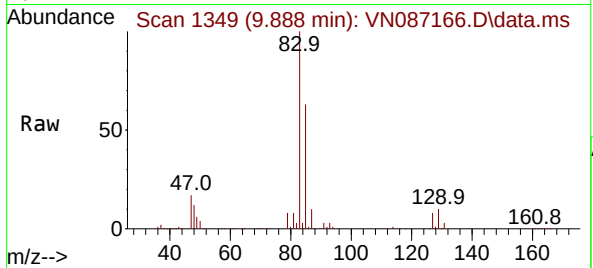
#41
Bromodichloromethane
Concen: 166.539 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 50947
Ion Ratio Lower Upper
83 100
85 62.8 51.4 77.2
127 7.9 6.1 9.1

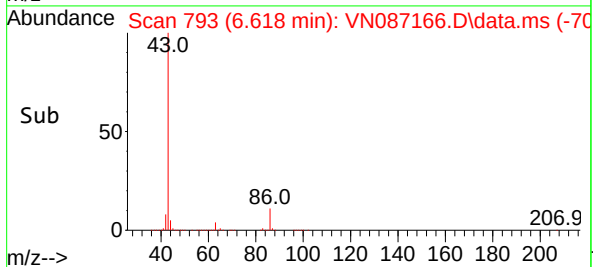
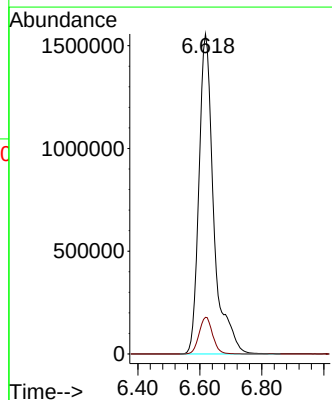
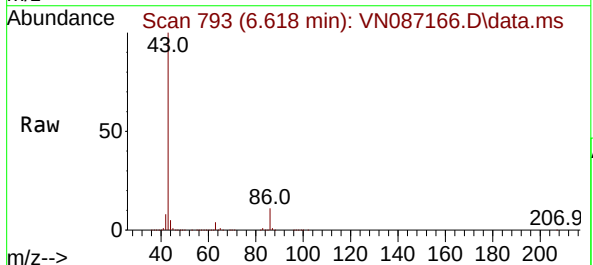
Manual Integrations
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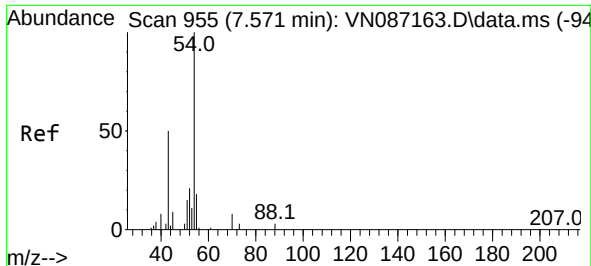
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#42
Vinyl Acetate
Concen: 1414.217 ug/l
RT: 6.618 min Scan# 793
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

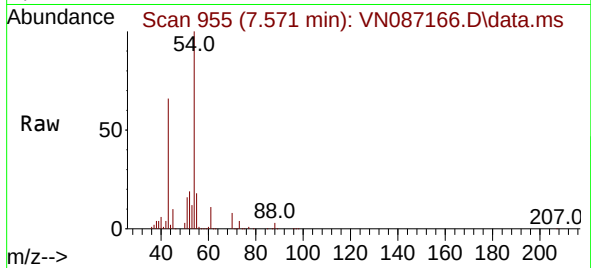
Tgt Ion: 43 Resp: 5152202
Ion Ratio Lower Upper
43 100
86 10.5 7.7 11.5





#43
Ethyl Acetate
Concen: 233.358 ug/l
RT: 7.571 min Scan# 911
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

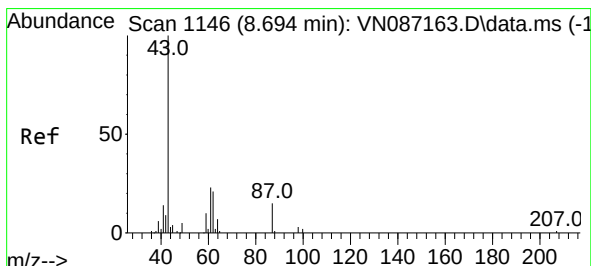
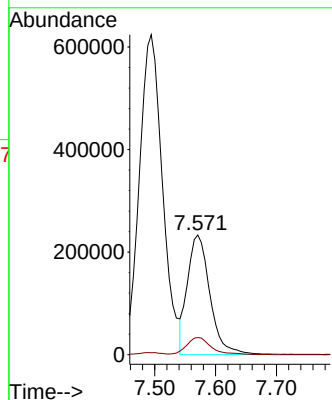
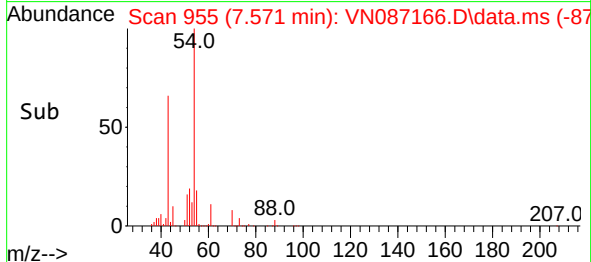
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



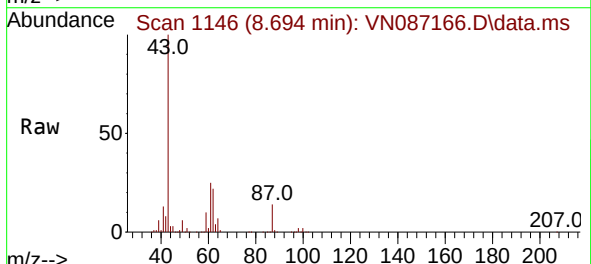
Tgt Ion: 43 Resp: 596809
Ion Ratio Lower Upper
43 100
45 15.7 11.5 17.3

Manual Integrations
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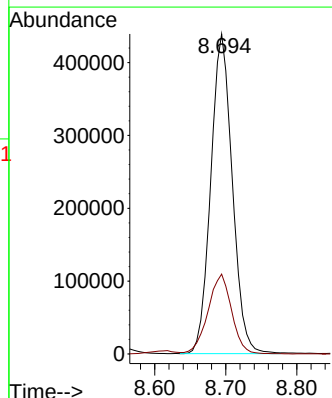
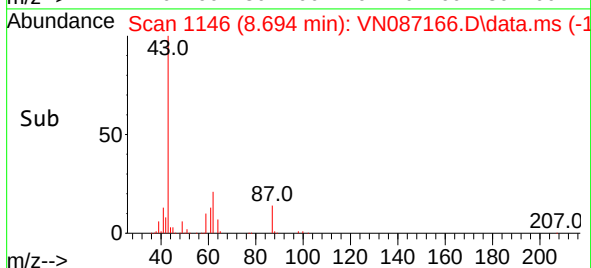
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

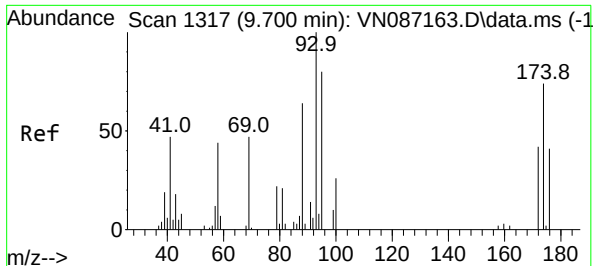


#44
Isopropyl Acetate
Concen: 210.380 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



Tgt Ion: 43 Resp: 922972
Ion Ratio Lower Upper
43 100
61 27.5 20.5 30.7





#45

1,4-Dioxane

Concen: 3492.194 ug/l

RT: 9.706 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 88 Resp: 136174

Ion Ratio Lower Upper

88 100

43 20.7 21.3 31.9

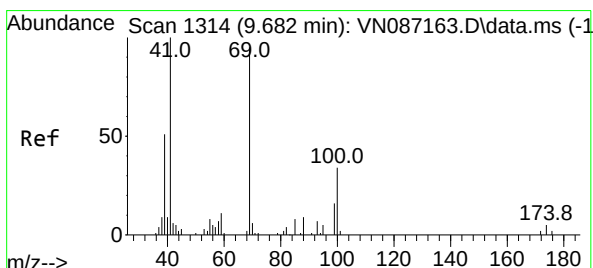
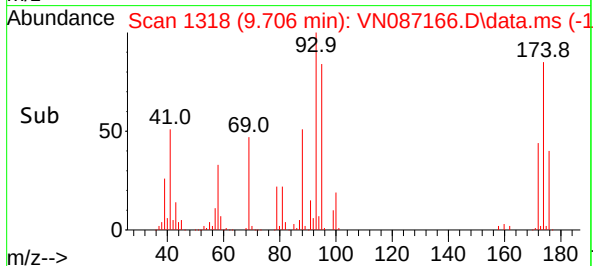
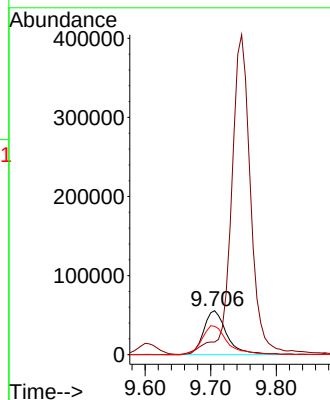
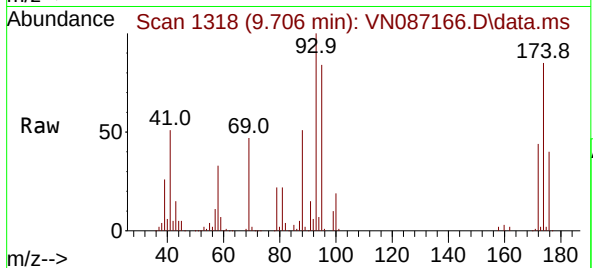
58 72.1 61.7 92.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#46

Methyl methacrylate

Concen: 221.464 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.000 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

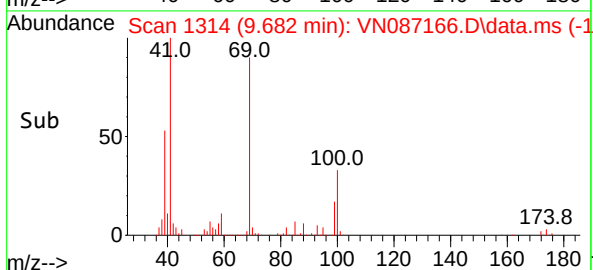
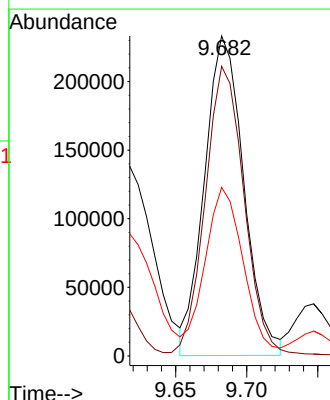
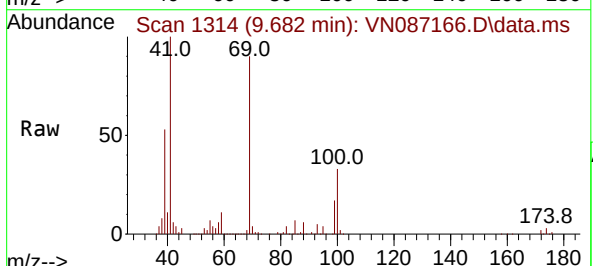
Tgt Ion: 41 Resp: 448002

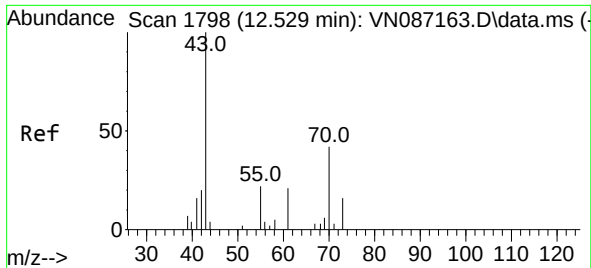
Ion Ratio Lower Upper

41 100

69 93.3 45.6 136.9

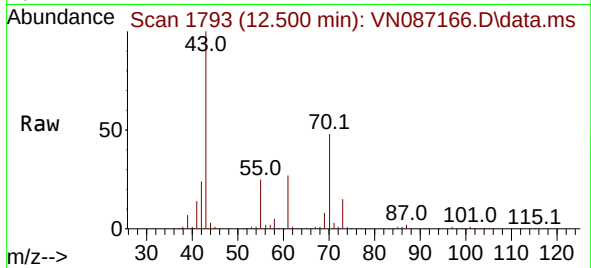
39 52.9 26.2 78.5





#47
n-amy1 Acetate
Concen: 180.347 ug/l
RT: 12.500 min Scan# 1798
Delta R.T. -0.029 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

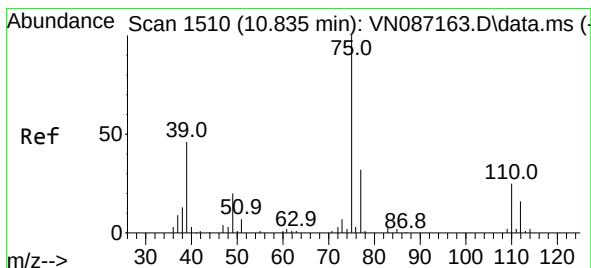
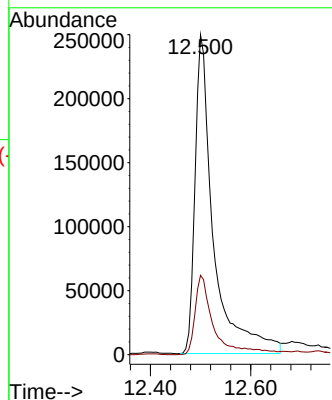
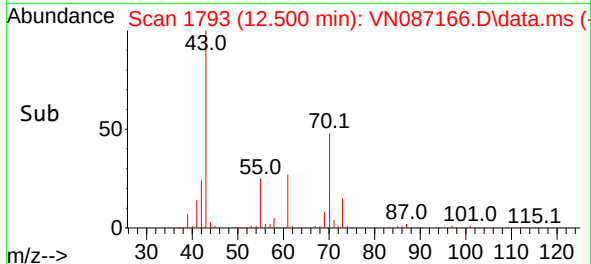
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 63519
Ion Ratio Lower Upper
43 100
55 22.9 0.0 0.0

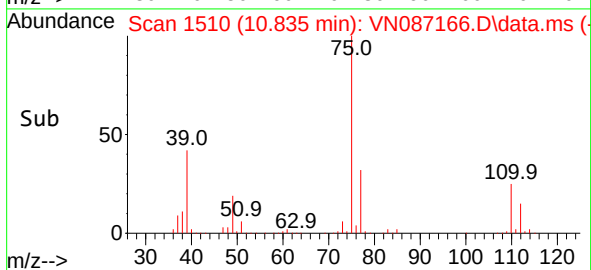
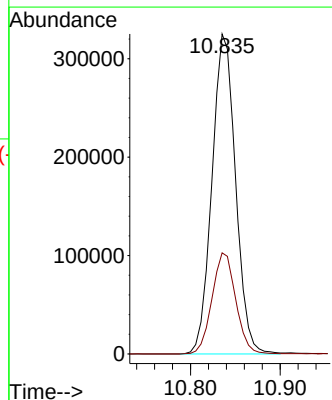
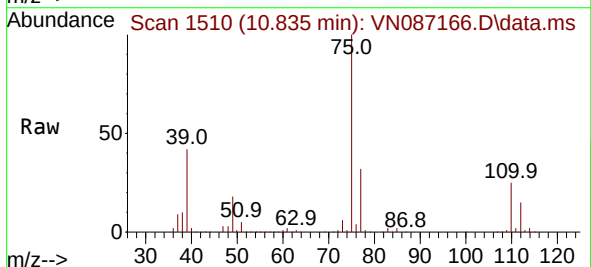
Manual Integrations
APPROVED

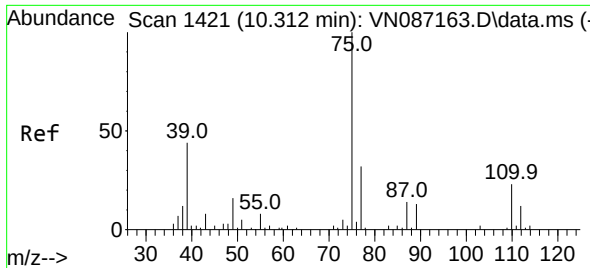
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#48
t-1,3-Dichloropropene
Concen: 181.231 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

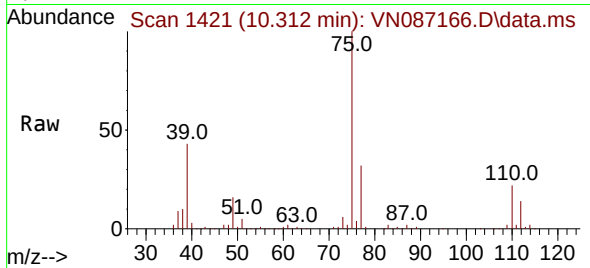
Tgt Ion: 75 Resp: 593288
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0





#49
 cis-1,3-Dichloropropene
 Concen: 174.914 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.000 min
 Lab File: VN087166.D
 Acq: 25 Jun 2025 10:24

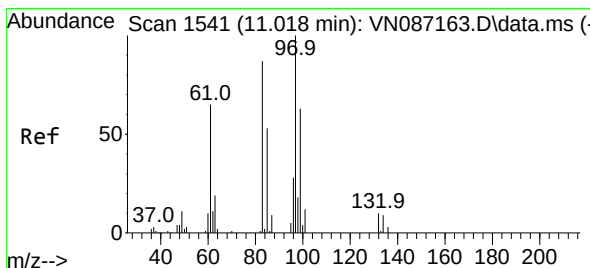
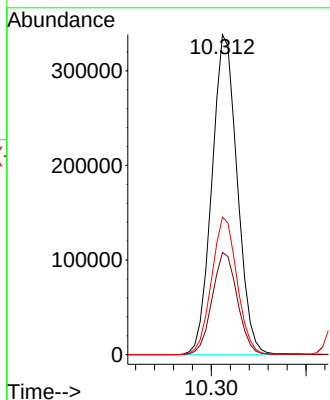
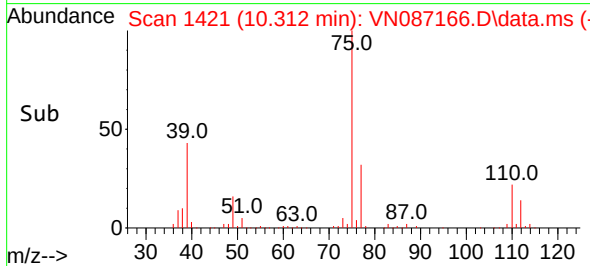
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150



Tgt Ion: 75 Resp: 629822
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2
 39 42.9 35.3 52.9

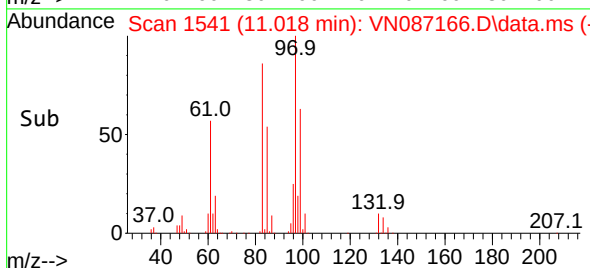
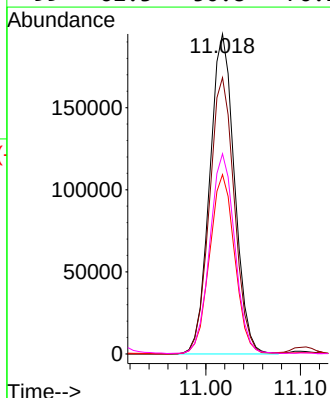
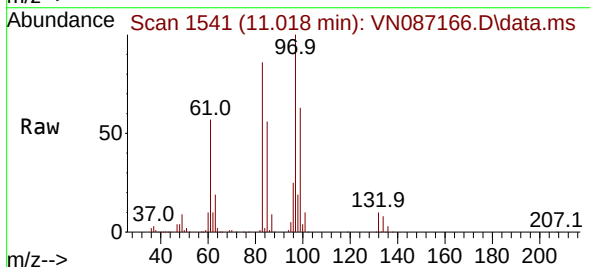
Manual Integrations
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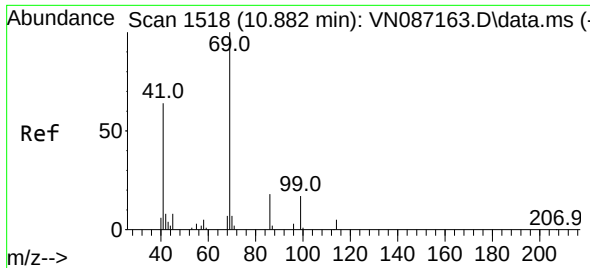
Reviewed By :John Carbone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#50
 1,1,2-Trichloroethane
 Concen: 172.532 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. -0.000 min
 Lab File: VN087166.D
 Acq: 25 Jun 2025 10:24

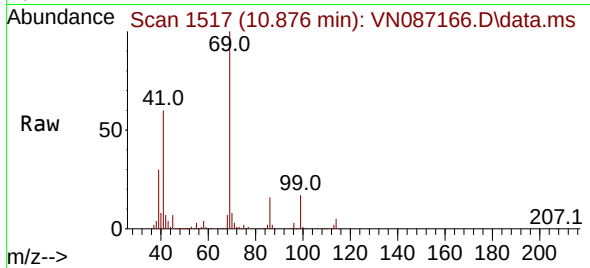
Tgt Ion: 97 Resp: 355131
 Ion Ratio Lower Upper
 97 100
 83 86.2 69.6 104.4
 85 55.9 42.0 63.0
 99 62.3 50.8 76.2





#51
Ethyl methacrylate
Concen: 189.307 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

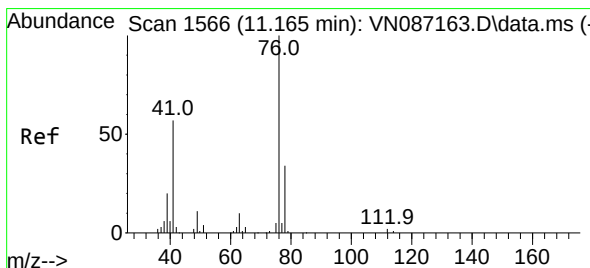
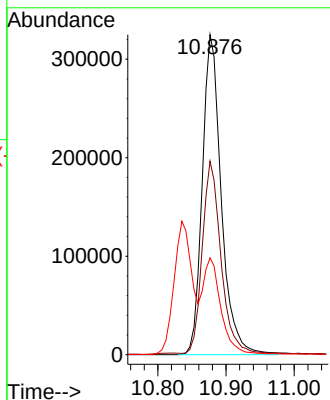
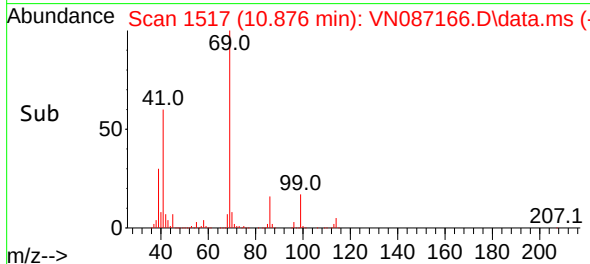
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 69 Resp: 63107
Ion Ratio Lower Upper
69 100
41 60.0 31.8 95.3
39 29.9 15.3 45.8

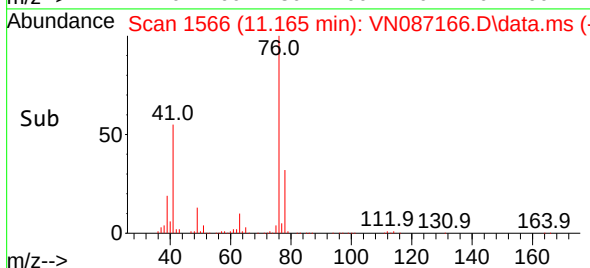
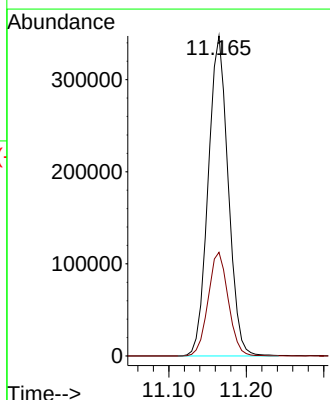
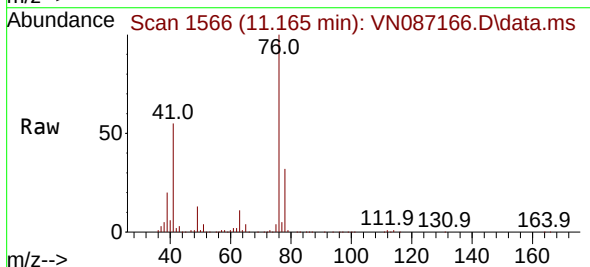
Manual Integrations
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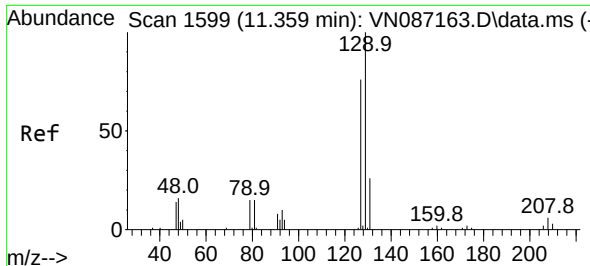
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#52
1,3-Dichloropropane
Concen: 170.477 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Tgt Ion: 76 Resp: 622735
Ion Ratio Lower Upper
76 100
78 32.7 0.0 63.0





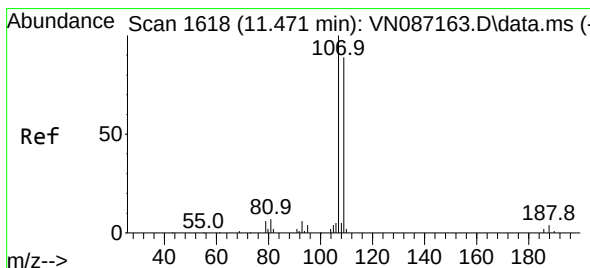
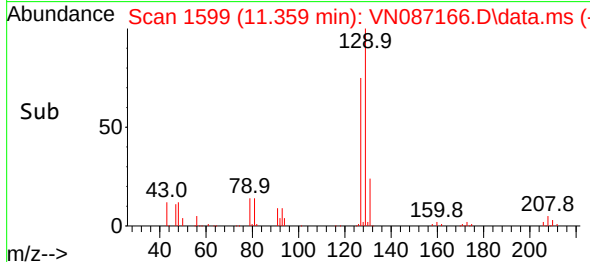
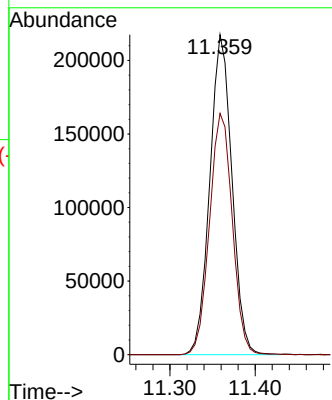
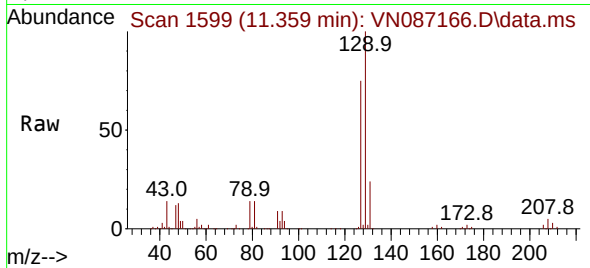
#53
Dibromochloromethane
Concen: 168.990 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:129 Resp: 393072
Ion Ratio Lower Upper
129 100
127 77.4 39.6 118.8

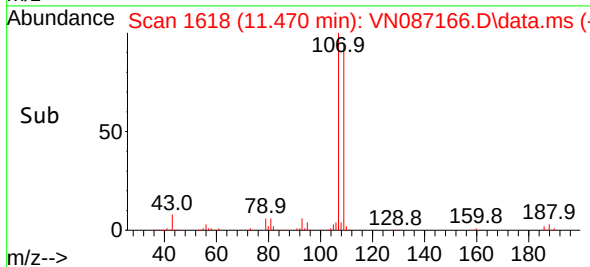
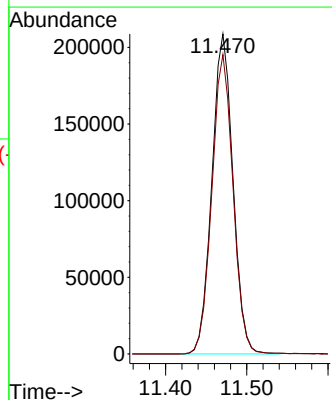
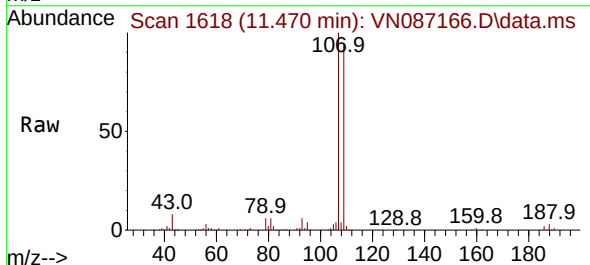
Manual Integrations
APPROVED

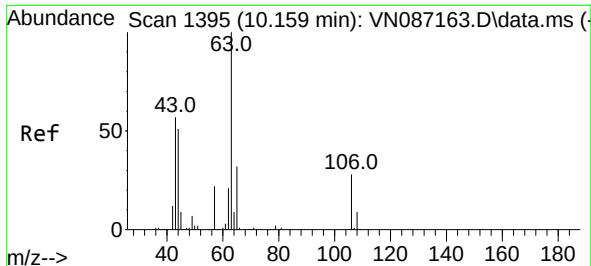
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#54
1,2-Dibromoethane
Concen: 179.142 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

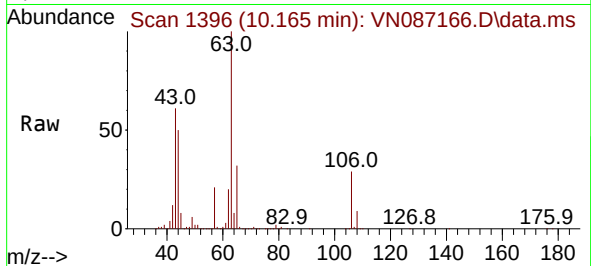
Tgt Ion:107 Resp: 376916
Ion Ratio Lower Upper
107 100
109 93.7 73.5 110.3





#55
2-Chloroethyl vinyl ether
Concen: 1046.520 ug/l
RT: 10.165 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

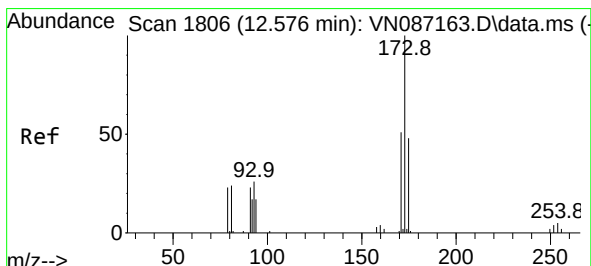
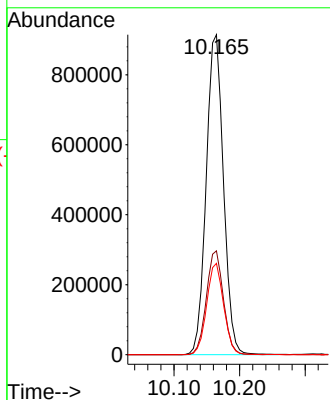
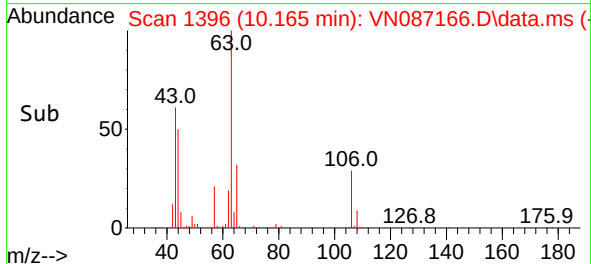
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 63 Resp: 167460
Ion Ratio Lower Upper
63 100
65 32.1 25.6 38.4
106 28.0 21.9 32.9

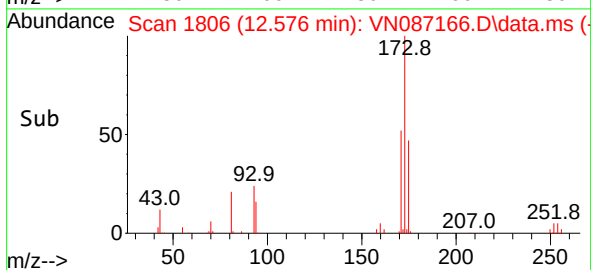
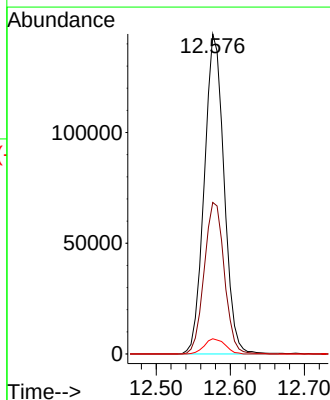
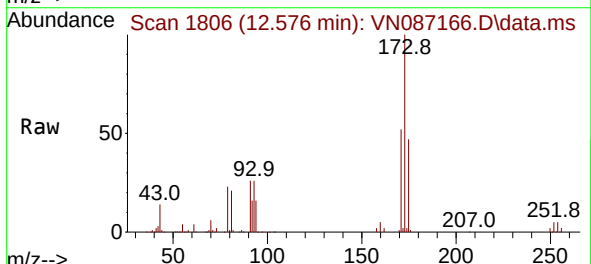
Manual Integrations
APPROVED

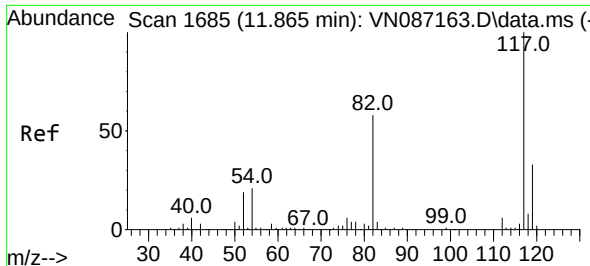
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#56
Bromoform
Concen: 182.430 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

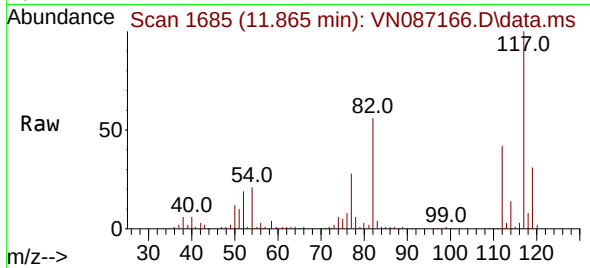
Tgt Ion:173 Resp: 267364
Ion Ratio Lower Upper
173 100
175 48.1 38.7 58.1
254 5.0 4.2 6.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

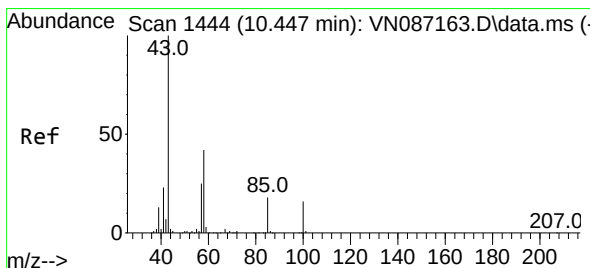
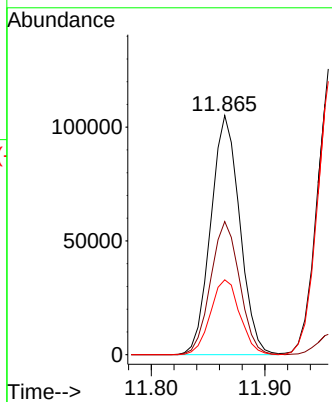
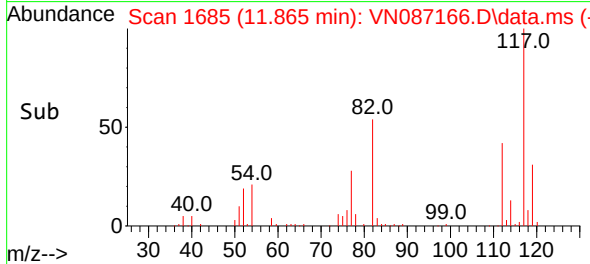
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



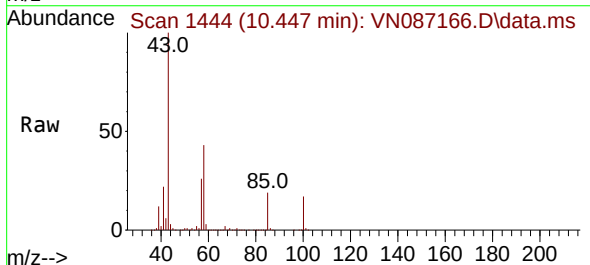
Tgt Ion: 117 Resp: 186774
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.2
119 31.7 26.2 39.4

Manual Integrations
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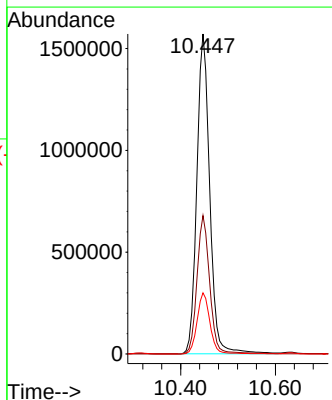
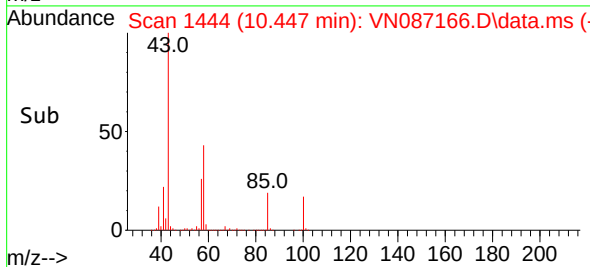
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

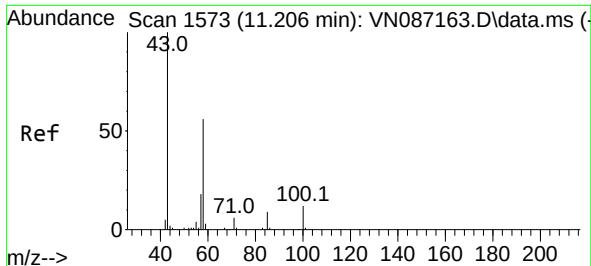


#58
4-Methyl-2-Pentanone
Concen: 1084.631 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



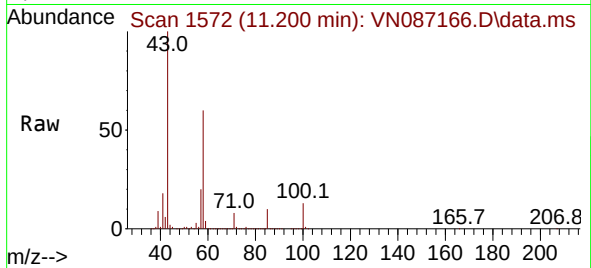
Tgt Ion: 43 Resp: 2972532
Ion Ratio Lower Upper
43 100
58 42.8 32.6 49.0
85 19.0 14.6 22.0





#59
2-Hexanone
Concen: 1075.545 ug/l
RT: 11.200 min Scan# 111404
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

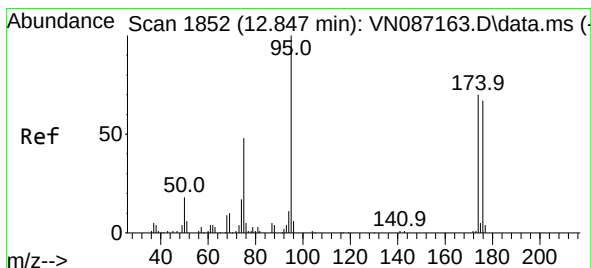
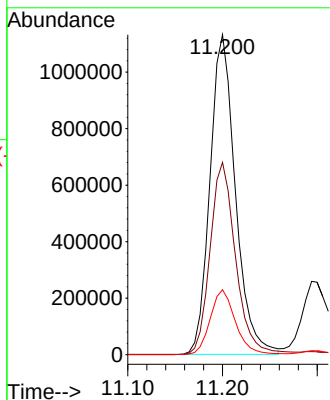
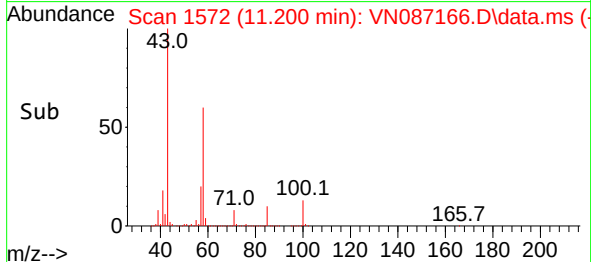
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 2111404
Ion Ratio Lower Upper
43 100
58 60.3 49.2 73.8
57 20.2 15.3 22.9

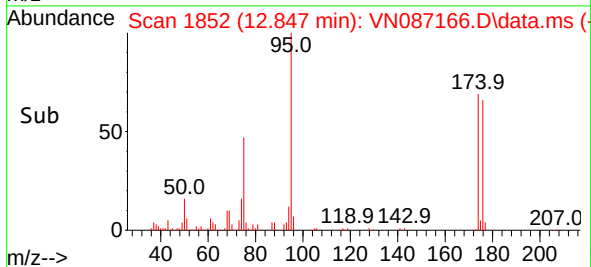
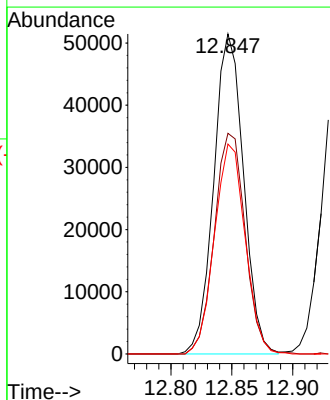
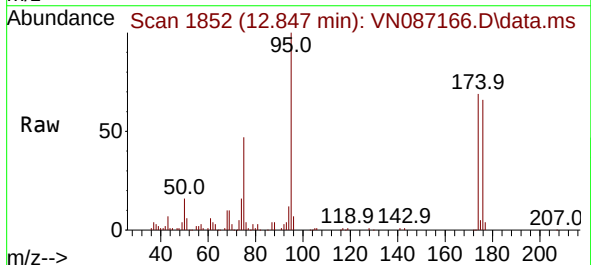
Manual Integrations
APPROVED

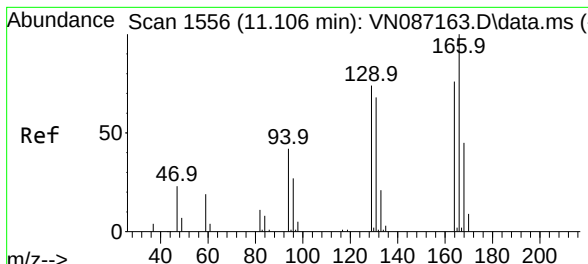
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#60
4-Bromofluorobenzene
Concen: 29.816 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

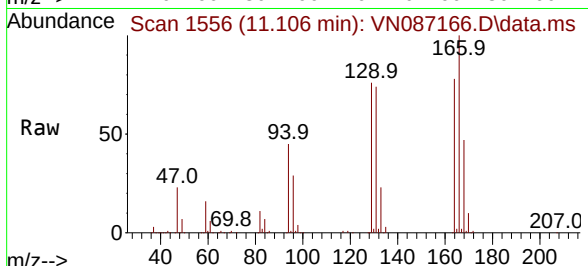
Tgt Ion: 95 Resp: 87432
Ion Ratio Lower Upper
95 100
174 71.2 54.5 81.7
176 67.7 51.9 77.9





#61
Tetrachloroethene
Concen: 89.636 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

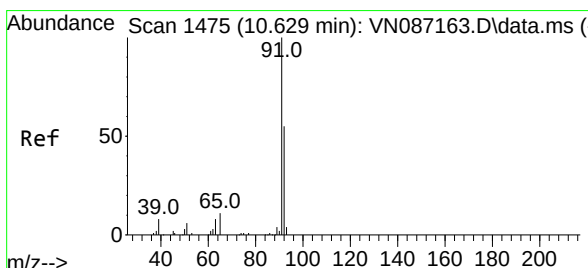
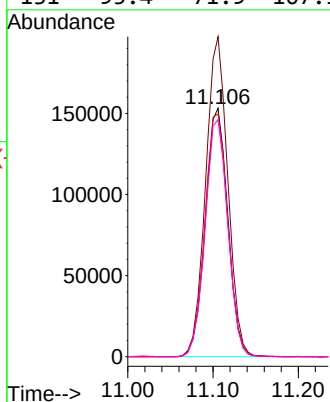
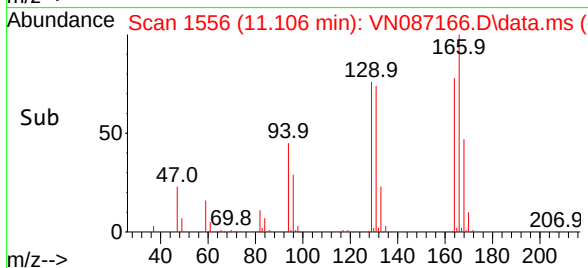
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion:164 Resp: 281420
Ion Ratio Lower Upper
164 100
166 128.9 105.4 158.2
129 97.8 77.9 116.9
131 95.4 71.9 107.9

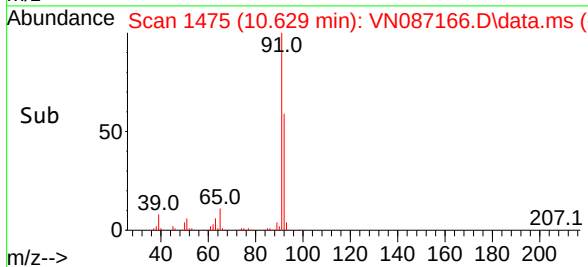
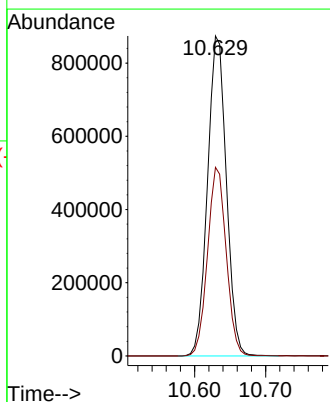
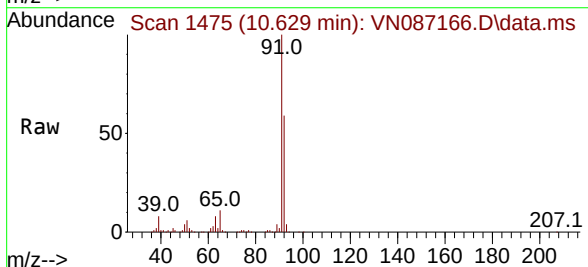
Manual Integrations
APPROVED

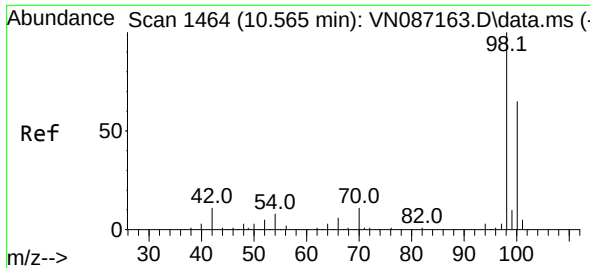
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#62
Toluene
Concen: 152.743 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Tgt Ion: 91 Resp: 1606715
Ion Ratio Lower Upper
91 100
92 58.6 45.8 68.8





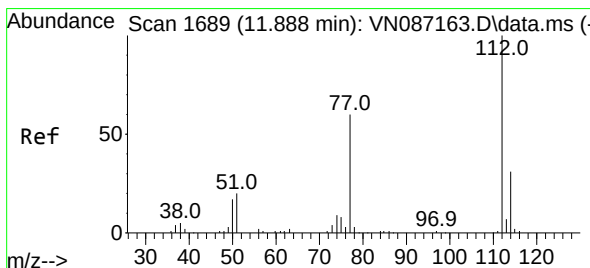
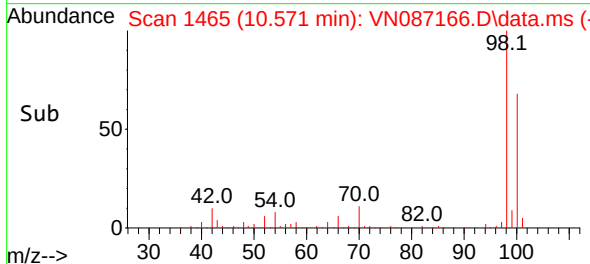
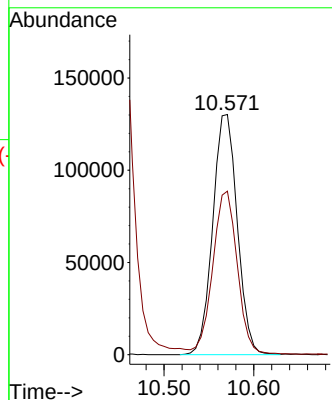
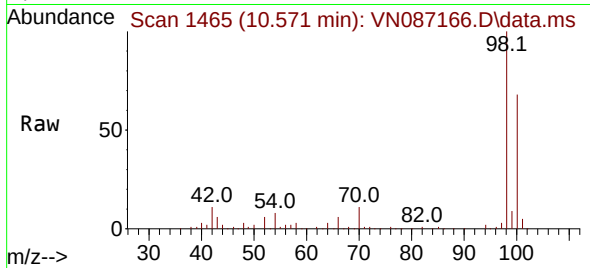
#63
Toluene-d8
Concen: 28.859 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 98 Resp: 247397
Ion Ratio Lower Upper
98 100
100 67.5 52.5 78.7

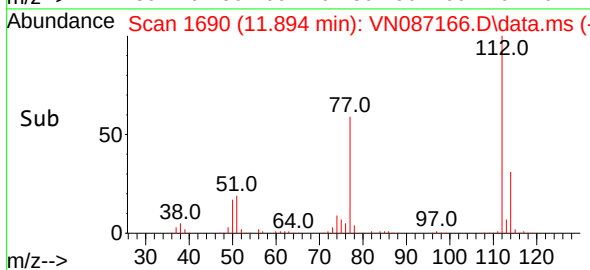
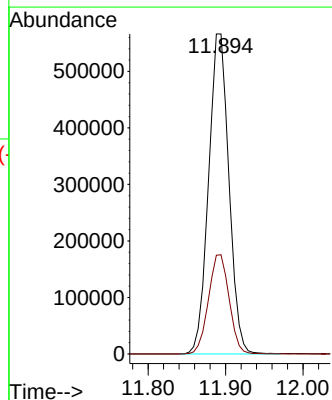
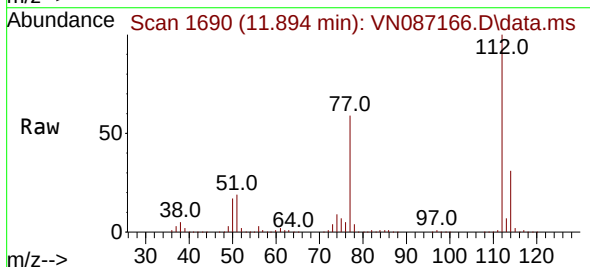
Manual Integrations
APPROVED

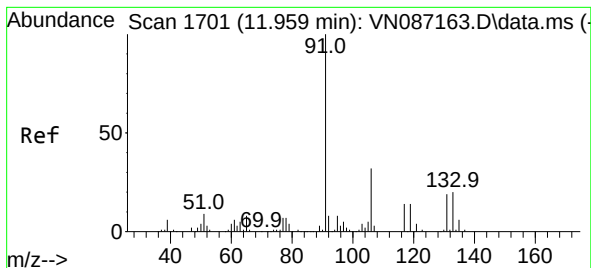
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#64
Chlorobenzene
Concen: 153.939 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Tgt Ion:112 Resp: 1032685
Ion Ratio Lower Upper
112 100
114 31.0 25.0 37.4





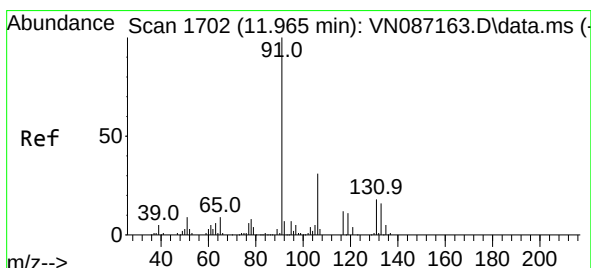
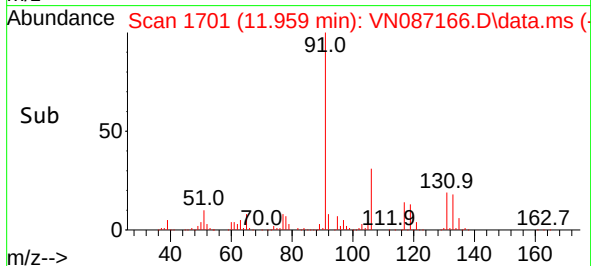
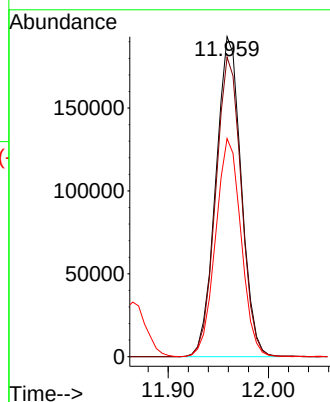
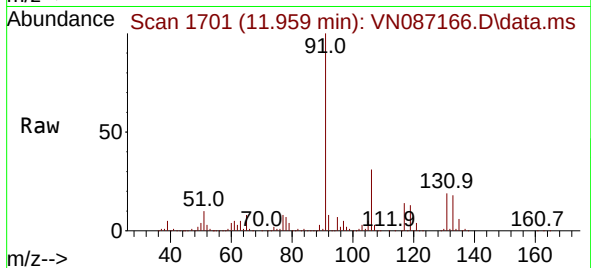
#65
1,1,1,2-Tetrachloroethane
Concen: 154.659 ug/l
RT: 11.959 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:131 Resp: 34084
Ion Ratio Lower Upper
131 100
133 94.0 0.0 187.8
119 68.2 0.0 140.0

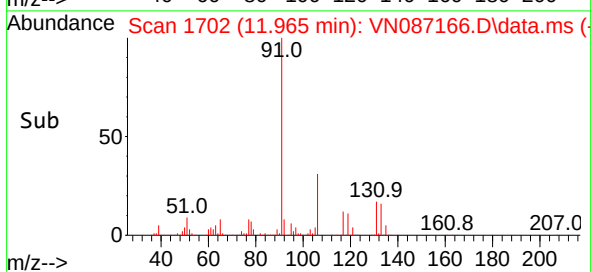
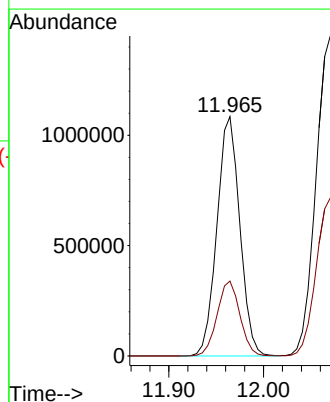
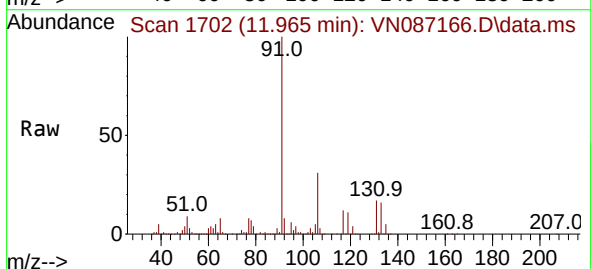
Manual Integrations
APPROVED

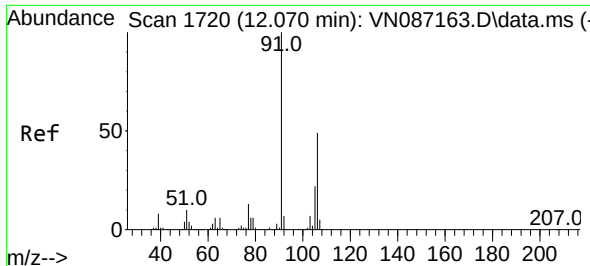
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#66
Ethyl Benzene
Concen: 160.178 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

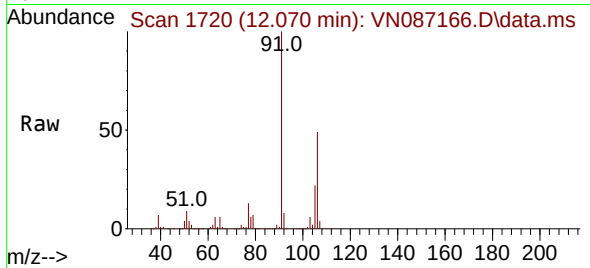
Tgt Ion: 91 Resp: 1822466
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2





#67
m/p-Xylenes
Concen: 312.329 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

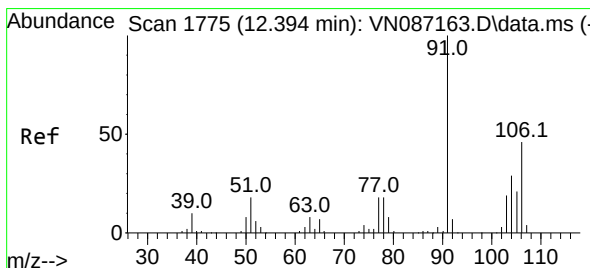
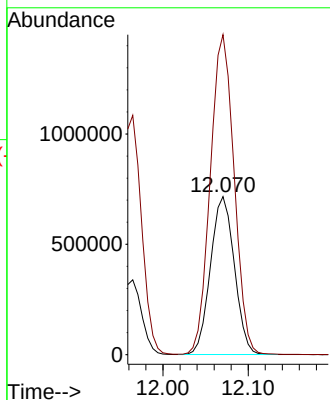
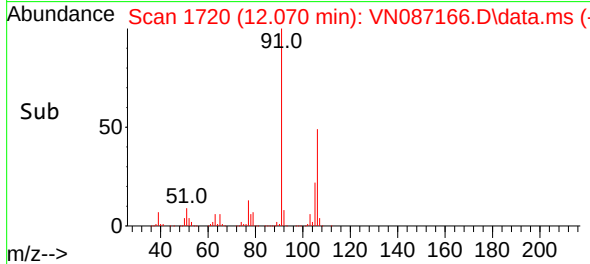
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



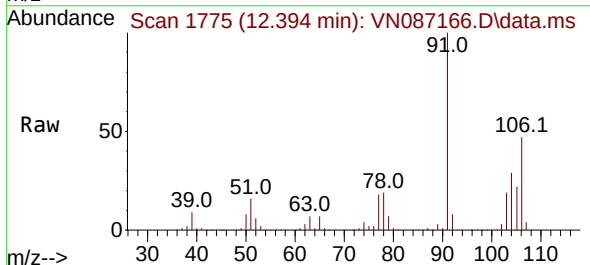
Tgt Ion:106 Resp: 139448
Ion Ratio Lower Upper
106 100
91 202.6 163.0 244.4

Manual Integrations
APPROVED

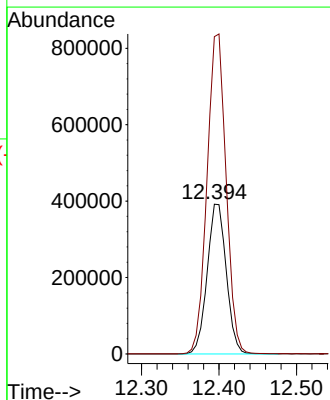
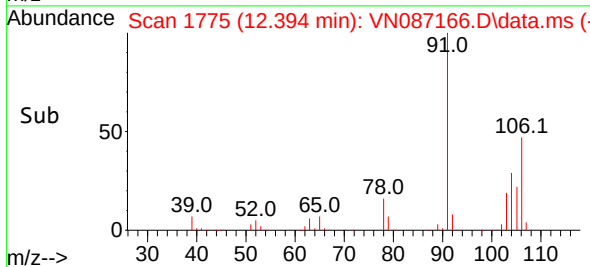
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

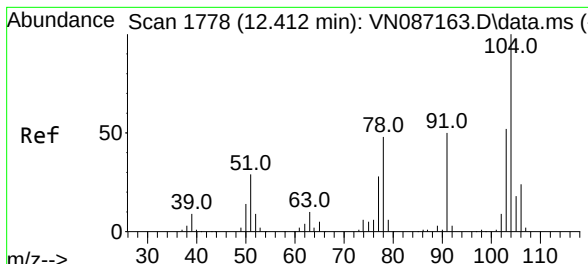


#68
o-Xylene
Concen: 155.436 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



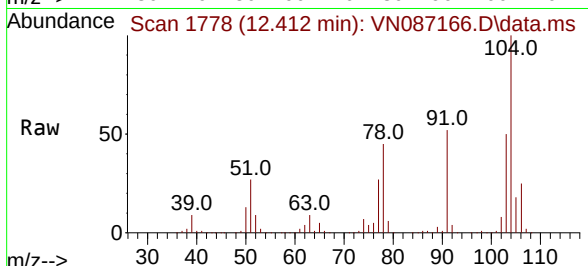
Tgt Ion:106 Resp: 672570
Ion Ratio Lower Upper
106 100
91 213.1 107.1 321.1





#69
Styrene
Concen: 160.846 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

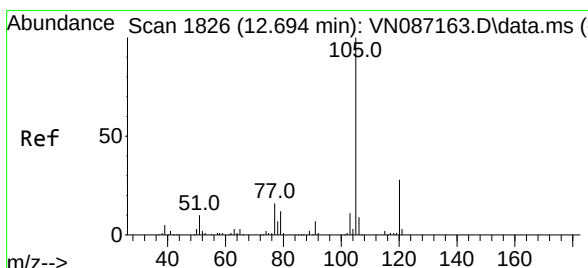
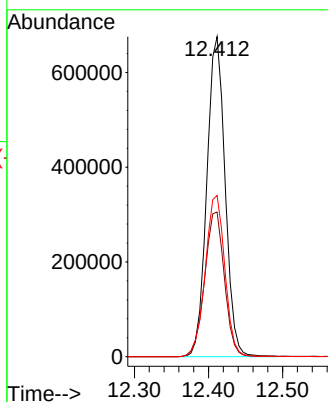
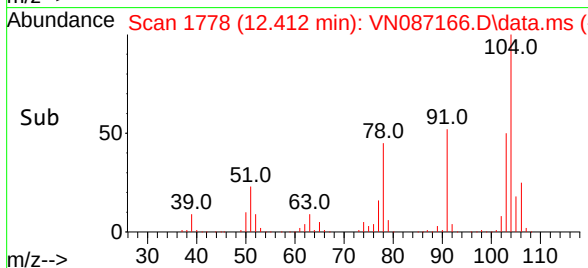
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion:104 Resp: 115953
Ion Ratio Lower Upper
104 100
78 48.9 39.8 59.8
103 54.0 44.2 66.4

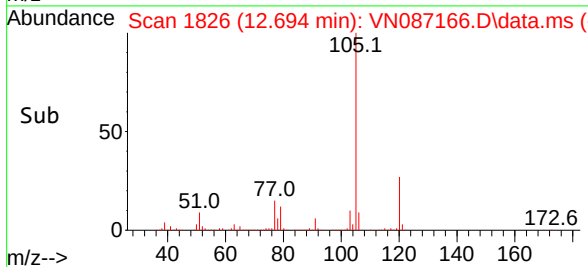
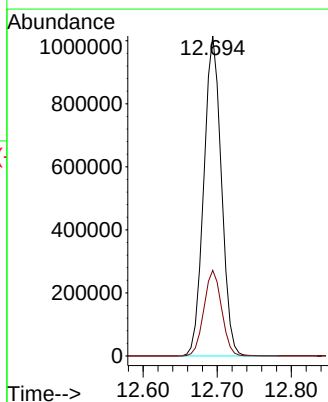
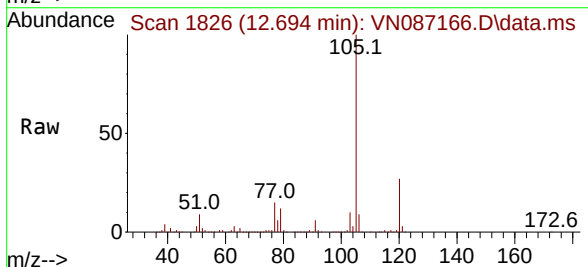
Manual Integrations
APPROVED

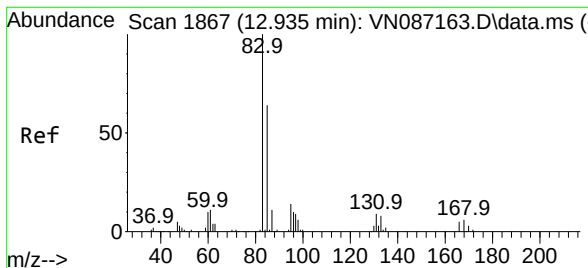
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#70
Isopropylbenzene
Concen: 162.251 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

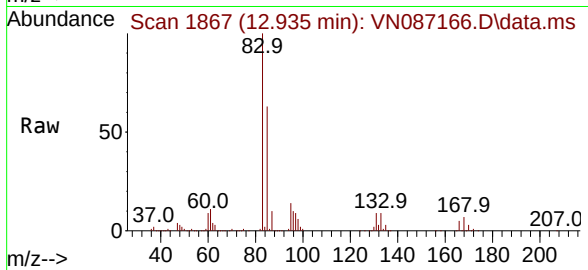
Tgt Ion:105 Resp: 1669808
Ion Ratio Lower Upper
105 100
120 26.9 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 231.867 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

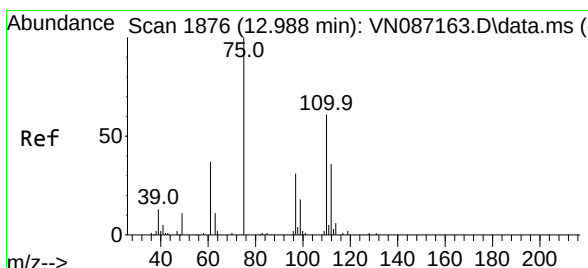
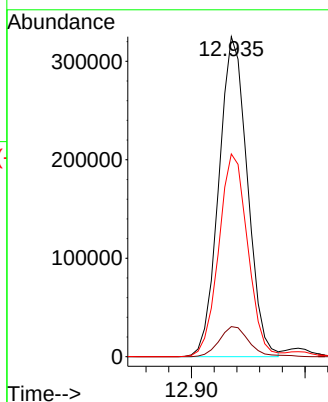
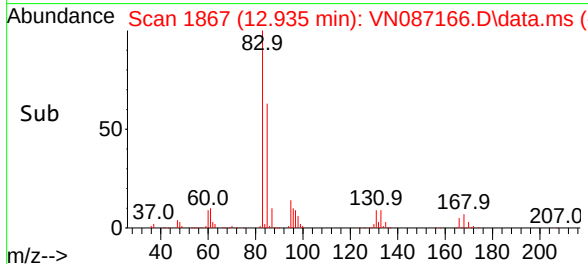
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



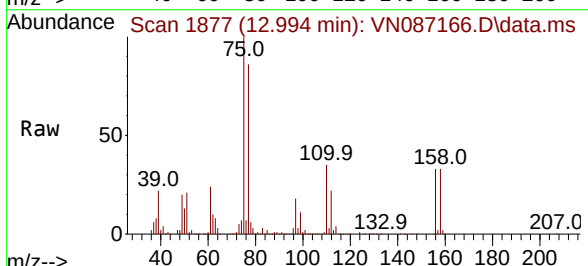
Tgt Ion: 83 Resp: 56734
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.4
85 64.4 31.3 93.9

Manual Integrations
APPROVED

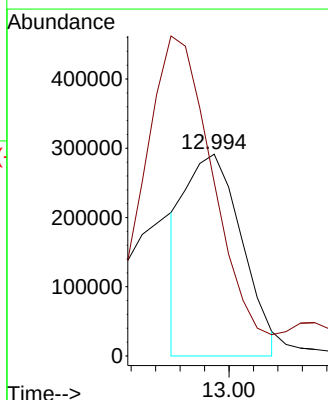
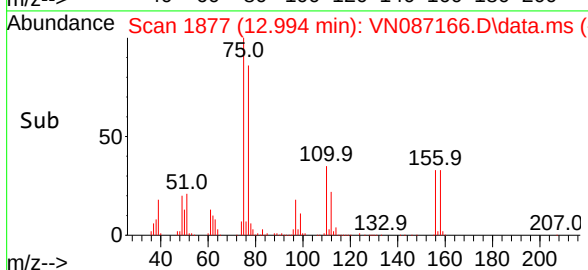
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

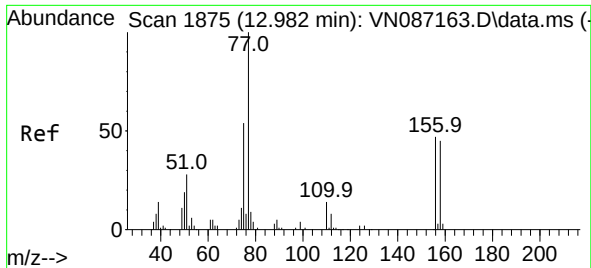


#72
1,2,3-Trichloropropane
Concen: 164.456 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



Tgt Ion: 75 Resp: 471614
Ion Ratio Lower Upper
75 100
77 199.8 0.0 379.2





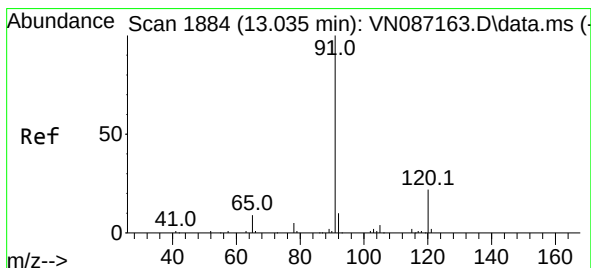
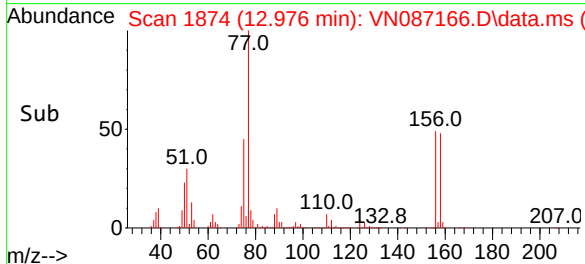
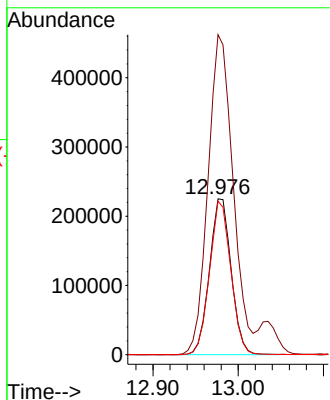
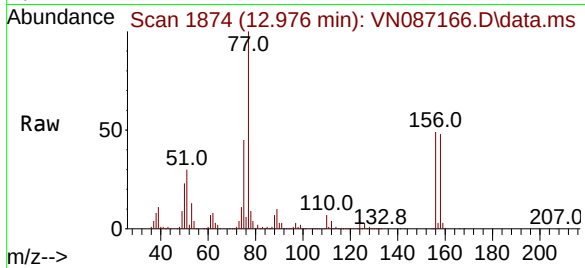
#73
Bromobenzene
Concen: 155.892 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:156 Resp: 398769
Ion Ratio Lower Upper
156 100
77 236.3 0.0 489.0
158 96.6 0.0 195.2

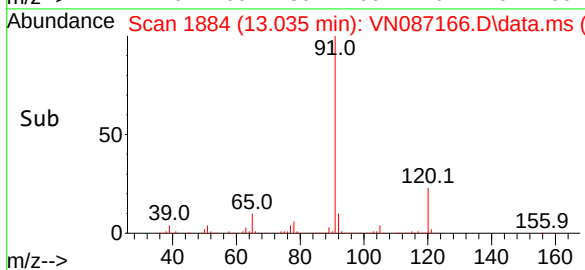
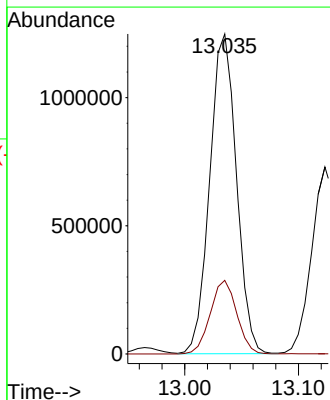
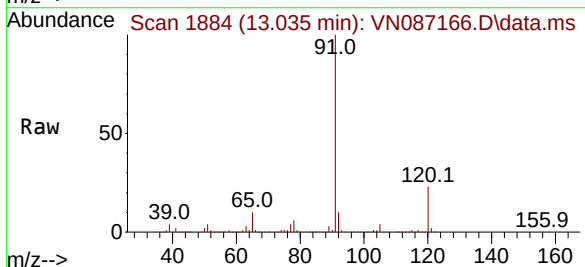
Manual Integrations
APPROVED

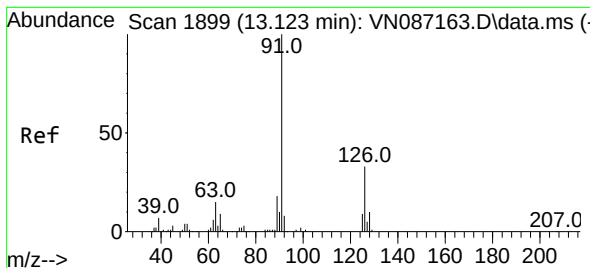
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#74
n-propylbenzene
Concen: 167.094 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Tgt Ion: 91 Resp: 2036919
Ion Ratio Lower Upper
91 100
120 22.8 0.0 43.6





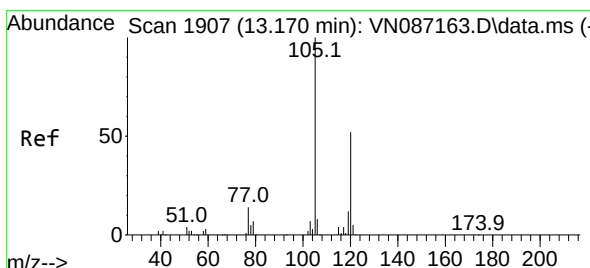
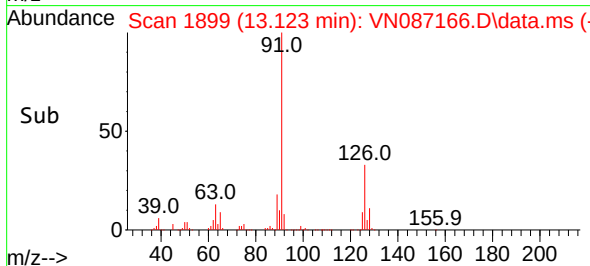
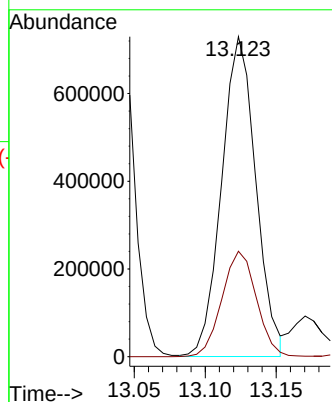
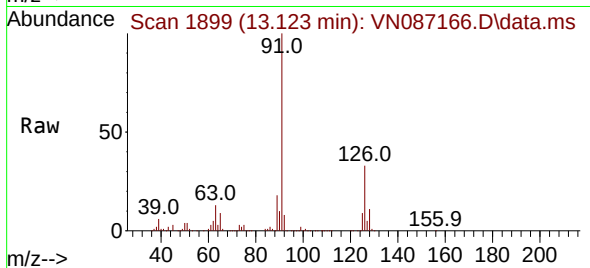
#75
2-Chlorotoluene
Concen: 156.271 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 1222718
Ion Ratio Lower Upper
91 100
126 33.2 0.0 63.8

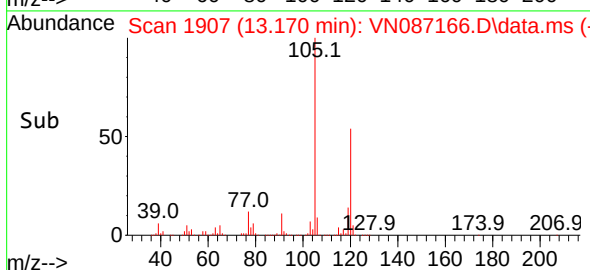
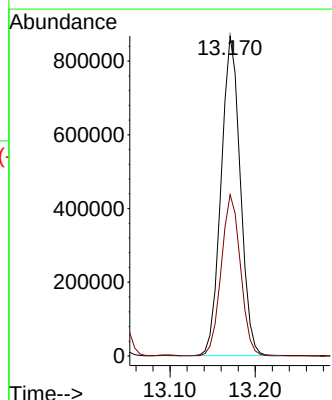
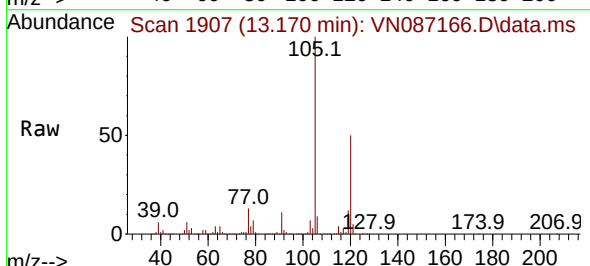
Manual Integrations
APPROVED

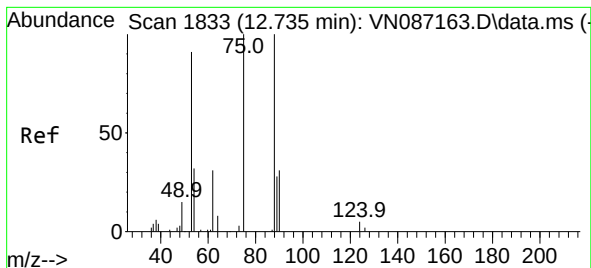
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#76
1,3,5-Trimethylbenzene
Concen: 158.459 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

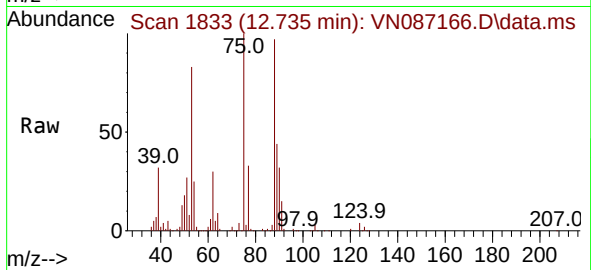
Tgt Ion:105 Resp: 1356652
Ion Ratio Lower Upper
105 100
120 50.8 0.0 100.8





#77
t-1,4-Dichloro-2-butene
Concen: 204.982 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

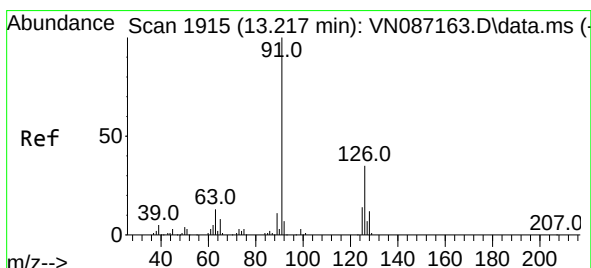
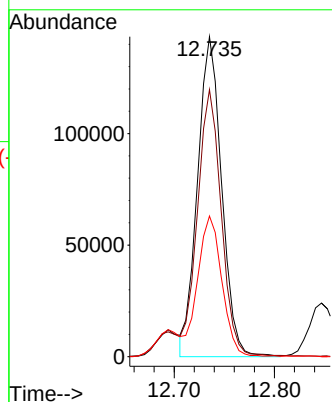
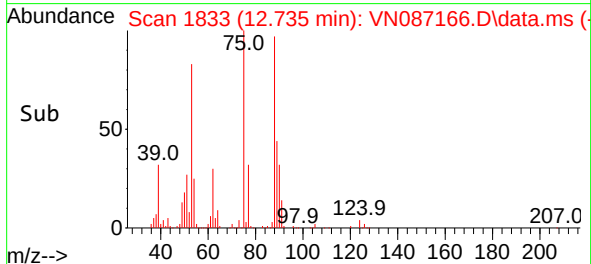
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 75 Resp: 240560
Ion Ratio Lower Upper
75 100
53 83.3 45.9 137.6
89 44.0 22.3 66.9

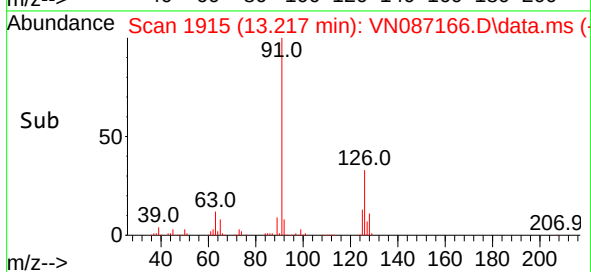
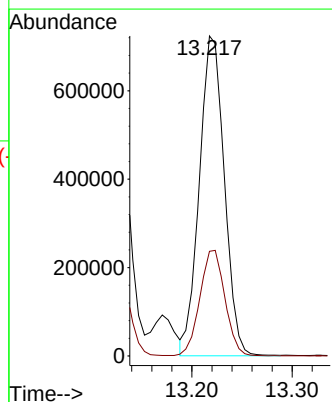
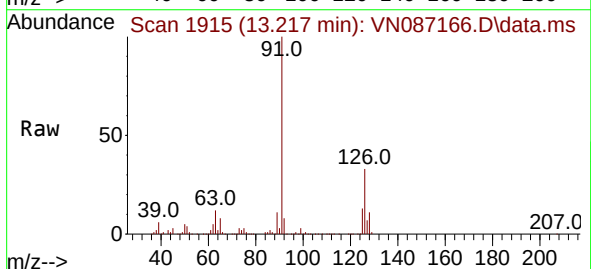
Manual Integrations
APPROVED

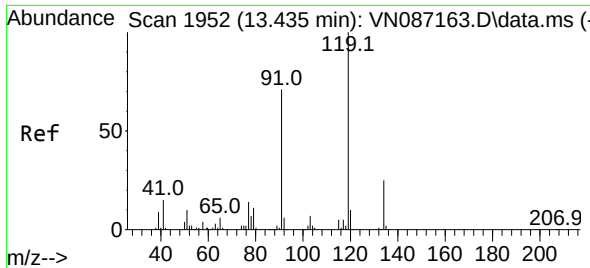
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#78
4-Chlorotoluene
Concen: 162.009 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

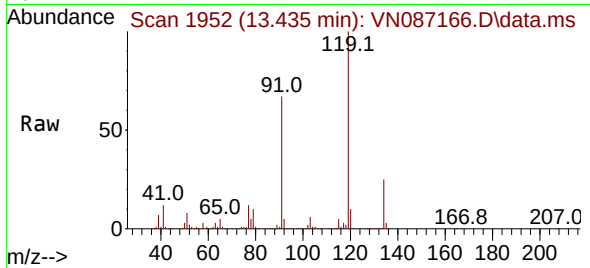
Tgt Ion: 91 Resp: 1255673
Ion Ratio Lower Upper
91 100
126 33.2 0.0 65.2





#79
tert-butylbenzene
Concen: 156.987 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

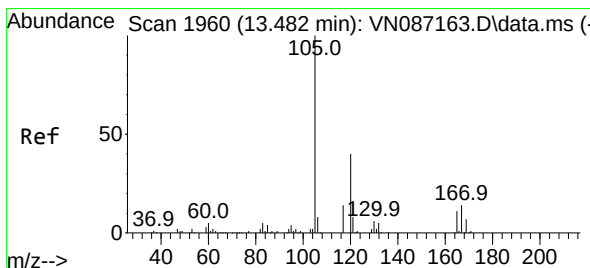
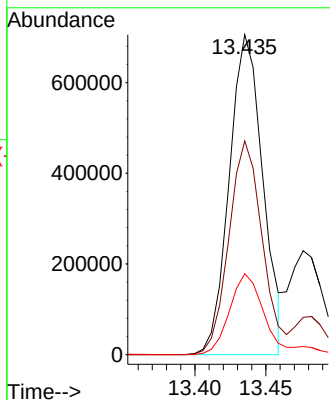
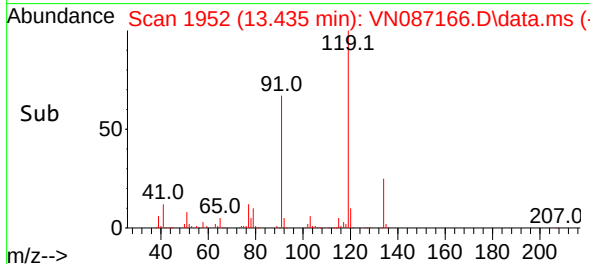
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



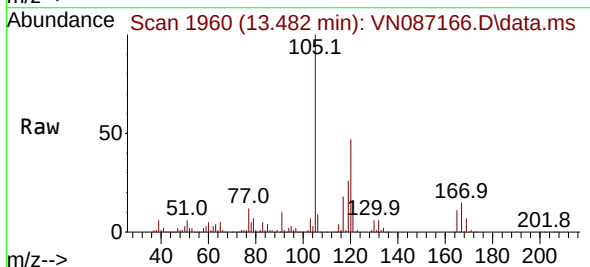
Tgt Ion:119 Resp: 1162060
Ion Ratio Lower Upper
119 100
91 66.5 0.0 137.0
134 25.6 0.0 49.4

Manual Integrations
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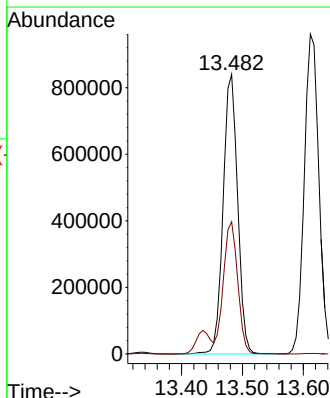
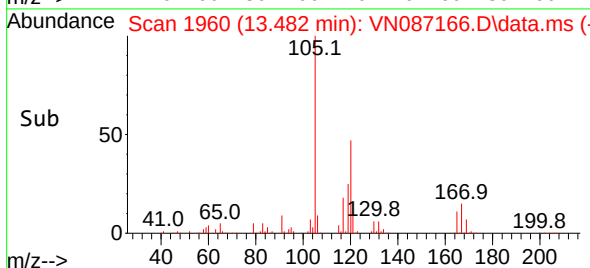
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

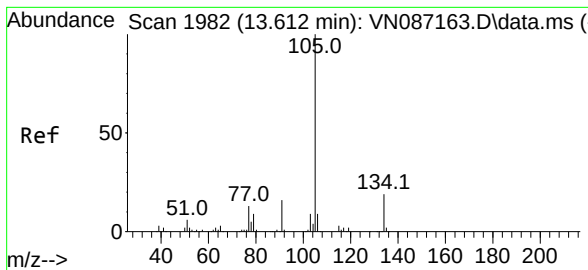


#80
1,2,4-Trimethylbenzene
Concen: 161.497 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



Tgt Ion:105 Resp: 1387864
Ion Ratio Lower Upper
105 100
120 46.7 0.0 94.0





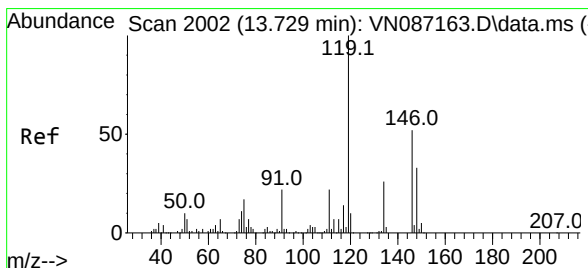
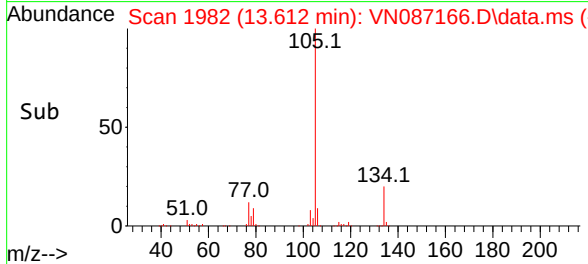
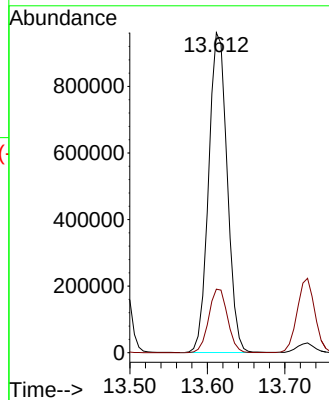
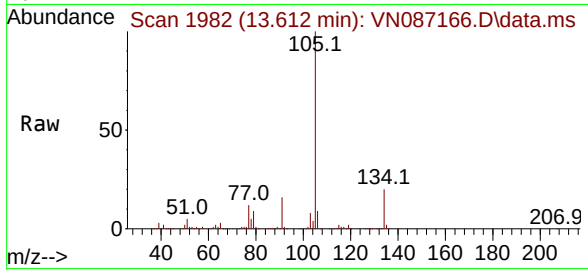
#81
 sec-Butylbenzene
 Concen: 158.414 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN087166.D
 Acq: 25 Jun 2025 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 159751
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 39.4

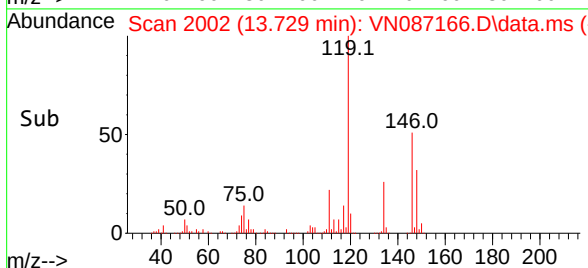
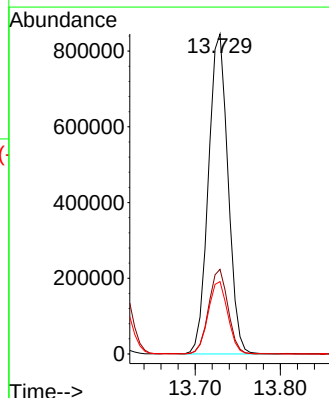
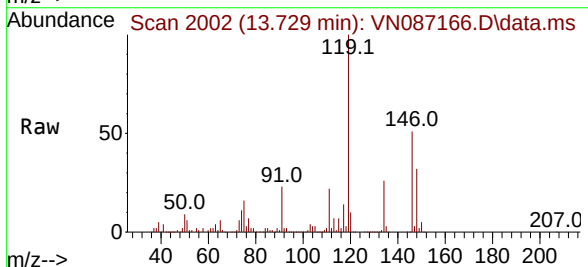
Manual Integrations
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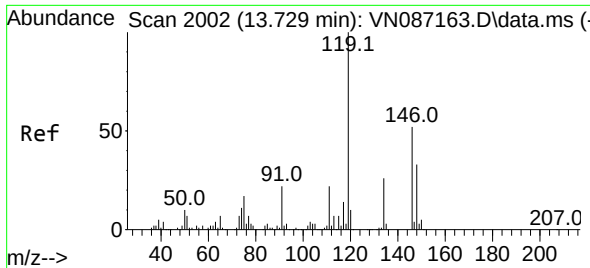
Reviewed By :John Carlone 06/25/2025
 Supervised By :Mahesh Dadoda 06/26/2025



#82
 p-Isopropyltoluene
 Concen: 159.427 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN087166.D
 Acq: 25 Jun 2025 10:24

Tgt Ion:119 Resp: 1349971
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 51.2
 91 22.7 0.0 46.4





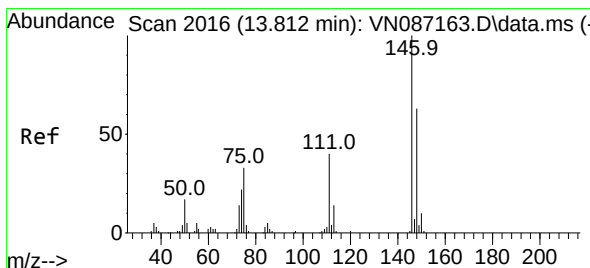
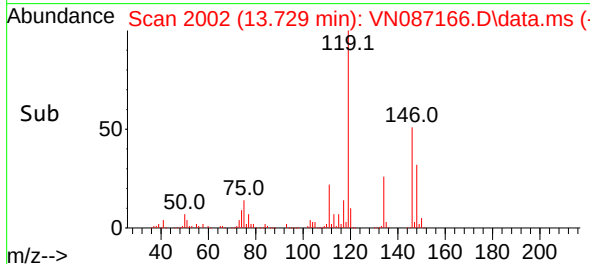
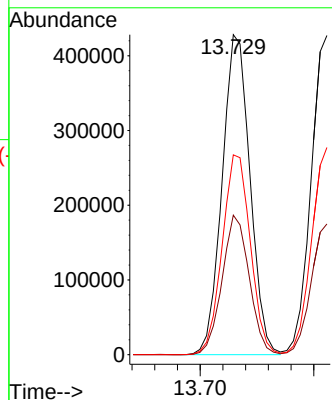
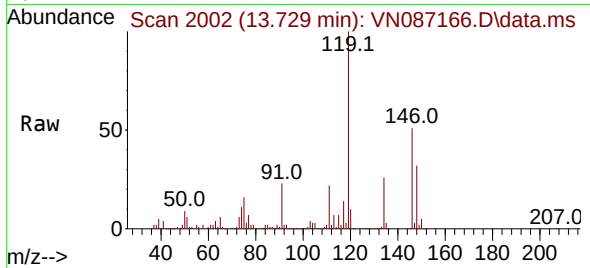
#83
1,3-Dichlorobenzene
Concen: 155.558 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:146 Resp: 729988
Ion Ratio Lower Upper
146 100
111 42.5 21.1 63.3
148 63.2 31.6 94.8

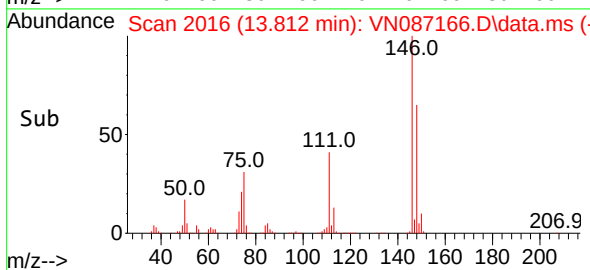
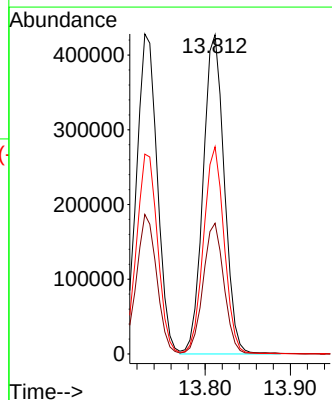
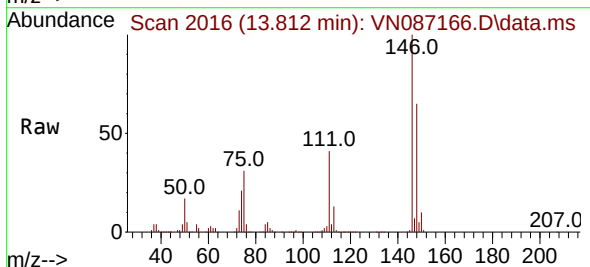
Manual Integrations
APPROVED

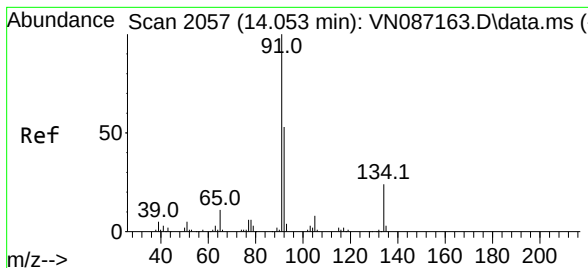
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#84
1,4-Dichlorobenzene
Concen: 157.675 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

Tgt Ion:146 Resp: 736335
Ion Ratio Lower Upper
146 100
111 39.6 20.1 60.2
148 63.4 31.4 94.2





#85

n-Butylbenzene

Concen: 172.161 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 122044

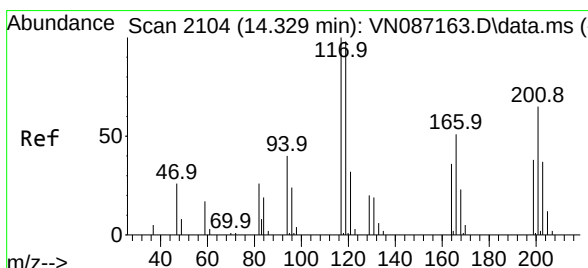
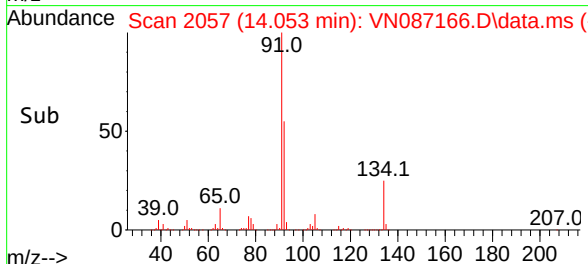
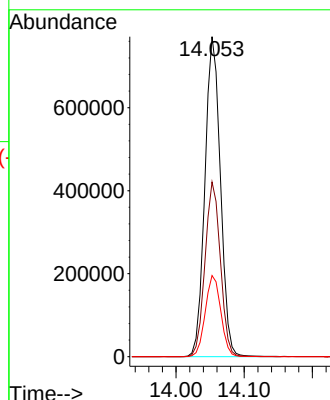
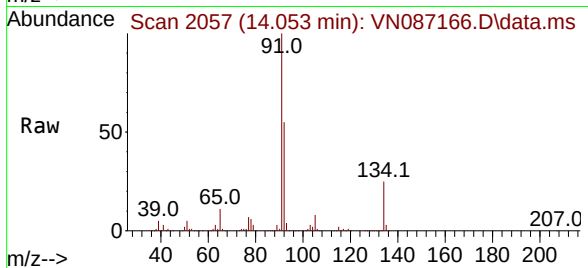
Ion	Ratio	Lower	Upper
91	100		
92	54.0	0.0	106.4
134	25.5	0.0	48.8

Manual Integrations

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Reviewed By :John Carlone 06/25/2025

Supervised By :Mahesh Dadoda 06/26/2025



#86

Hexachloroethane

Concen: 173.087 ug/l

RT: 14.329 min Scan# 2104

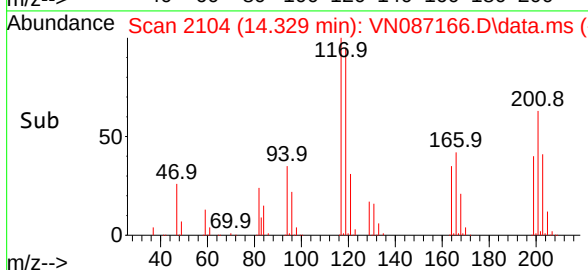
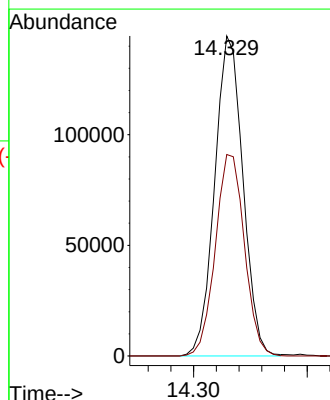
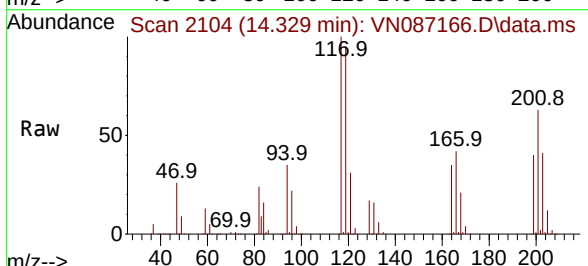
Delta R.T. -0.000 min

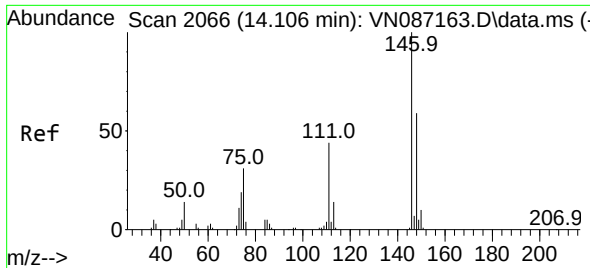
Lab File: VN087166.D

Acq: 25 Jun 2025 10:24

Tgt Ion:117 Resp: 249792

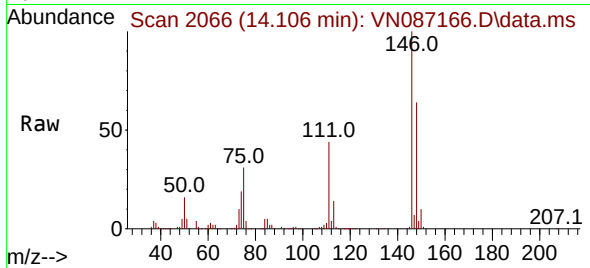
Ion	Ratio	Lower	Upper
117	100		
201	64.7	30.8	92.3





#87
1,2-Dichlorobenzene
Concen: 153.225 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

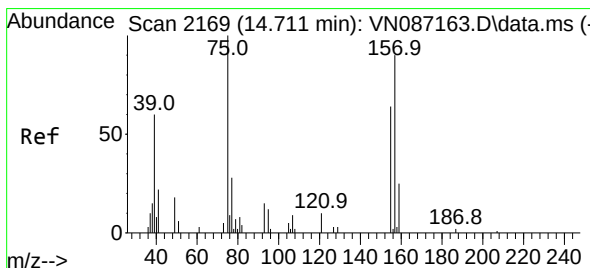
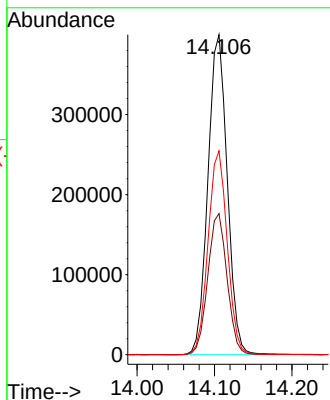
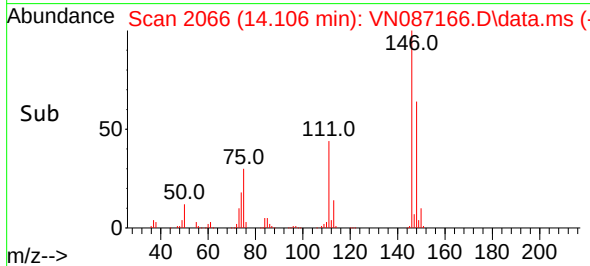
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



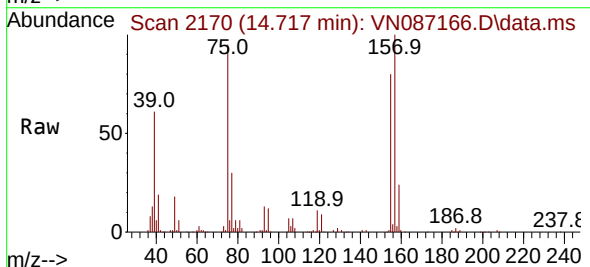
Tgt Ion:146 Resp: 69361
Ion Ratio Lower Upper
146 100
111 44.0 22.1 66.1
148 63.2 31.6 95.0

Manual Integrations
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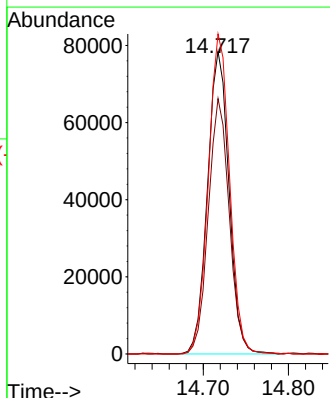
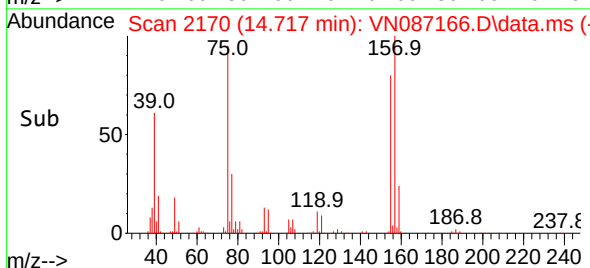
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

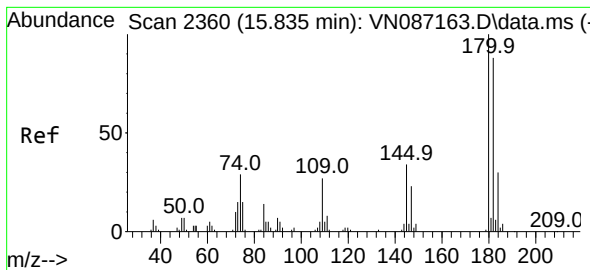


#88
1,2-Dibromo-3-Chloropropane
Concen: 266.961 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



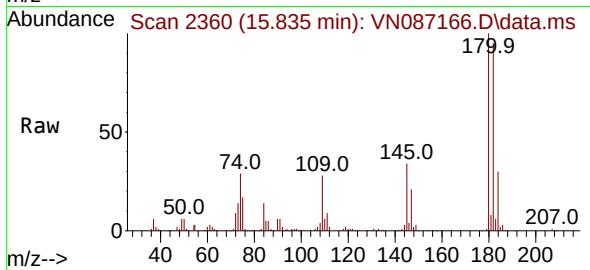
Tgt Ion: 75 Resp: 137557
Ion Ratio Lower Upper
75 100
155 82.4 58.3 87.5
157 104.6 79.2 118.8





#89
1,2,4-Trichlorobenzene
Concen: 226.572 ug/l
RT: 15.835 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

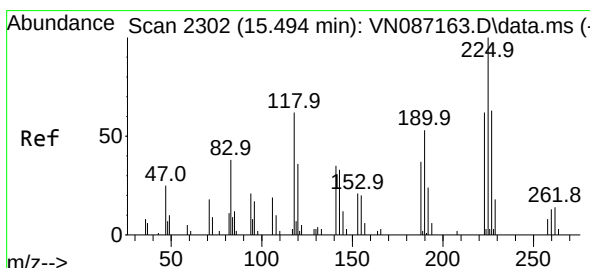
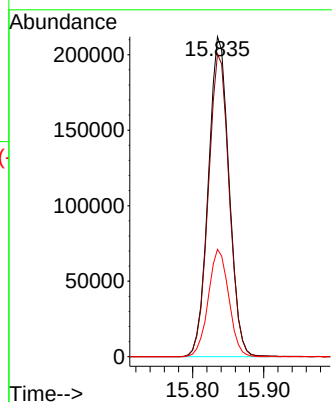
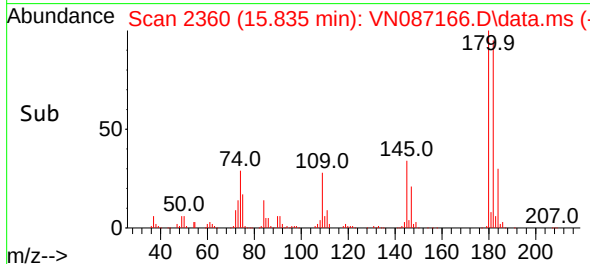
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



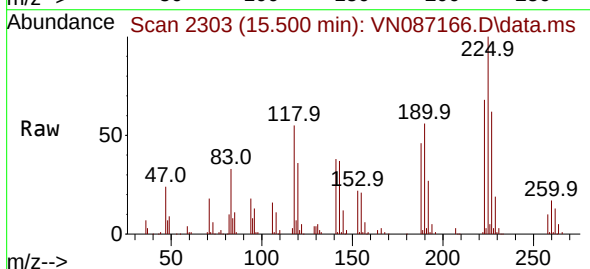
Tgt Ion:180 Resp: 42923
Ion Ratio Lower Upper
180 100
182 95.2 74.2 111.2
145 33.1 27.6 41.4

Manual Integrations
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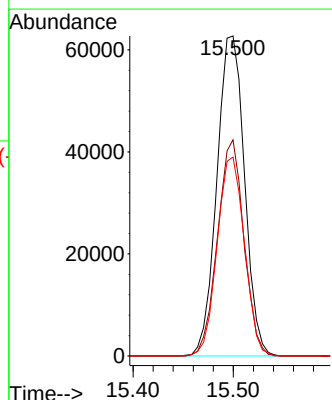
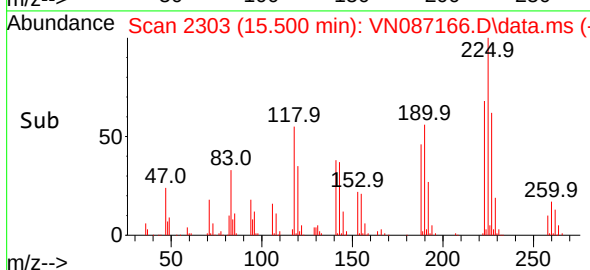
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025

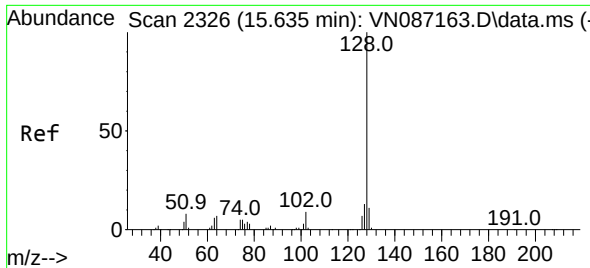


#90
Hexachlorobutadiene
Concen: 147.993 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



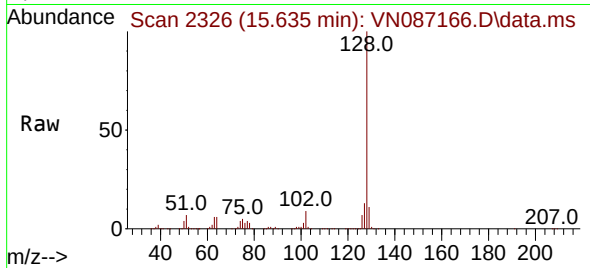
Tgt Ion:225 Resp: 120167
Ion Ratio Lower Upper
225 100
223 64.3 0.0 134.2
227 61.1 0.0 122.6





#91
Naphthalene
Concen: 265.695 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24

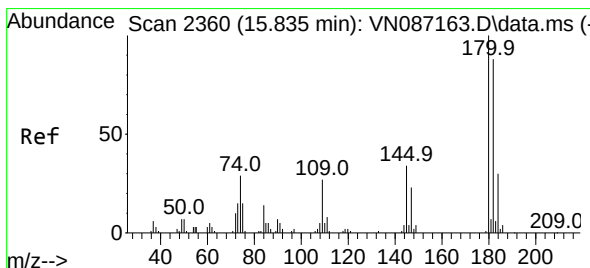
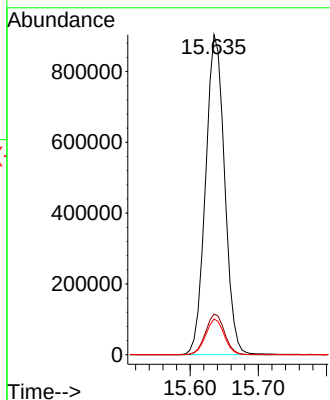
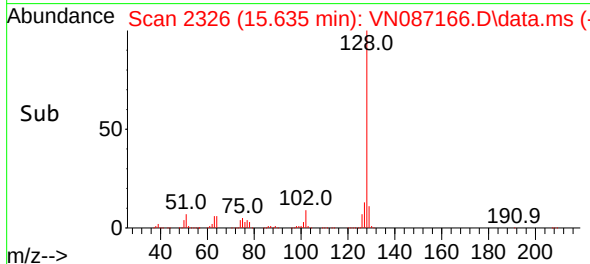
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



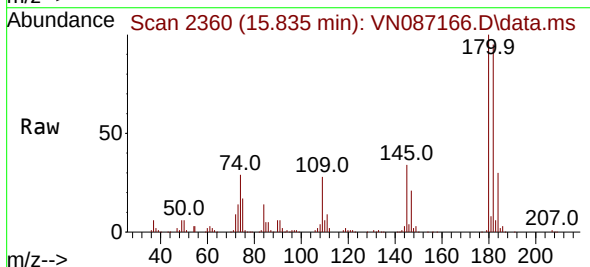
Tgt Ion:128 Resp: 175624
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.9 8.8 13.2

Manual Integrations
APPROVED

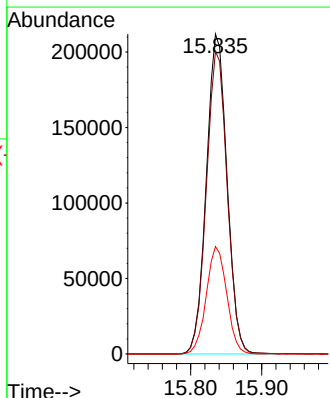
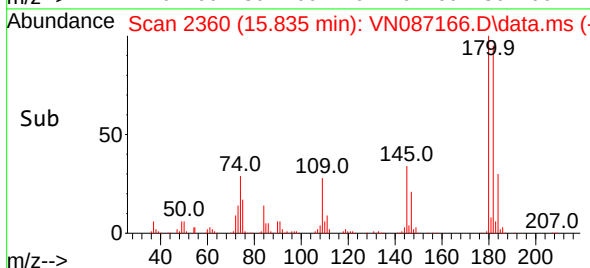
Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/26/2025



#92
1,2,3-Trichlorobenzene
Concen: 226.572 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN087166.D
Acq: 25 Jun 2025 10:24



Tgt Ion:180 Resp: 429237
Ion Ratio Lower Upper
180 100
182 95.2 0.0 185.4
145 33.1 0.0 69.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087168.D
 Acq On : 25 Jun 2025 11:08
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN062525

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 25 15:29:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.829	128	35075	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	195745	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	185221	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	78569	29.730	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.100%
60) 4-Bromofluorobenzene	12.847	95	87563	30.636	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.133%
63) Toluene-d8	10.565	98	253524	30.485	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	39936	18.915	ug/l	89
3) Chloromethane	2.400	50	40578	18.816	ug/l	95
4) Vinyl Chloride	2.553	62	40792	17.404	ug/l	99
5) Bromomethane	3.000	94	25492	20.494	ug/l	97
6) Chloroethane	3.153	64	24041	19.122	ug/l	99
7) Trichlorofluoromethane	3.530	101	54078	18.810	ug/l	100
8) Diethyl Ether	3.989	74	27463	19.443	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.400	101	40891	19.184	ug/l #	88
10) 1,1-Dichloroethene	4.365	96	40670	19.141	ug/l	89
11) Methyl Iodide	4.612	142	29562	15.530	ug/l	94
12) Methyl Acetate	5.047	43	65886	19.769	ug/l	96
13) Acrolein	4.206	56	54597	106.612	ug/l	100
14) Acrylonitrile	5.741	53	153387	98.671	ug/l	99
15) Acetone	4.447	58	44493	98.119	ug/l	89
16) Carbon Disulfide	4.741	76	116947	18.825	ug/l	98
17) Allyl chloride	5.053	41	64340	18.360	ug/l	93
18) Methylene Chloride	5.306	84	46095	18.727	ug/l	97
19) trans-1,2-Dichloroethene	5.812	96	44162	19.006	ug/l	97
20) Diisopropyl ether	6.688	45	142767	19.202	ug/l	99
21) 1,1-Dichloroethane	6.588	63	77314	17.398	ug/l	99
22) cis-1,2-Dichloroethene	7.494	96	51043	18.875	ug/l	97
23) tert-Butyl Alcohol	5.536	59	60387	103.292	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	144916	19.447	ug/l	99
25) Chloroform	7.977	83	75565	17.750	ug/l	99
26) Cyclohexane	8.271	56	64739	17.527	ug/l #	99
29) 1,1-Dichloropropene	8.382	75	56214	18.425	ug/l	98
30) 2-Butanone	7.494	43	198883	96.637	ug/l	99
31) 2,2-Dichloropropane	7.500	77	71663	19.459	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	63831	17.908	ug/l	98
33) Carbon Tetrachloride	8.371	117	54332	18.113	ug/l	99
34) Benzene	8.612	78	167939	17.375	ug/l	99
35) Methacrylonitrile	7.782	41	36192	17.450	ug/l	96
36) 1,2-Dichloroethane	8.676	62	58192	18.634	ug/l	99
37) Trichloroethene	9.353	130	44053	19.760	ug/l	93
38) Methylcyclohexane	9.606	83	67623	19.317	ug/l	99
39) 1,2-Dichloropropane	9.623	63	47099	19.414	ug/l	99
40) Dibromomethane	9.712	93	31445	19.062	ug/l	98
41) Bromodichloromethane	9.894	83	65145	19.565	ug/l	96
42) Vinyl Acetate	6.618	43	564048	84.264	ug/l	97

06/25/2025
 Supervised By :Mahesh
 adoda

06/26/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087168.D
 Acq On : 25 Jun 2025 11:08
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN062525

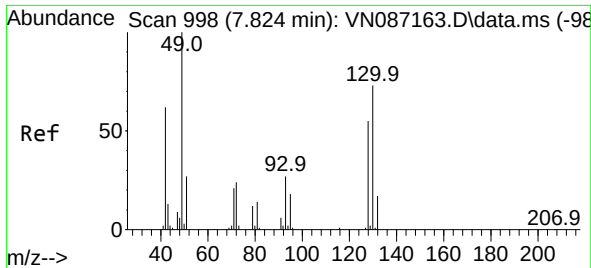
Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 25 15:29:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	76982	20.721	ug/l	98
44) Isopropyl Acetate	8.694	43	113470	18.746	ug/l	100
45) 1,4-Dioxane	9.700	88	17828	435.392	ug/l	98
46) Methyl methacrylate	9.682	41	53380	18.970	ug/l	96
47) n-amyl Acetate	12.541	43	61525m	16.625	ug/l	
48) t-1,3-Dichloropropene	10.835	75	72502	19.532	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	76780	19.457	ug/l	97
50) 1,1,2-Trichloroethane	11.018	97	44707	19.079	ug/l	96
51) Ethyl methacrylate	10.882	69	66937	18.768	ug/l	96
52) 1,3-Dichloropropane	11.165	76	76546	19.027	ug/l	99
53) Dibromochloromethane	11.359	129	47380	19.262	ug/l	97
54) 1,2-Dibromoethane	11.470	107	45103	18.656	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	184630	90.312	ug/l	99
56) Bromoform	12.576	173	31131	18.410	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	364138	97.791	ug/l	99
59) 2-Hexanone	11.206	43	209381	87.081	ug/l	97
61) Tetrachloroethene	11.106	164	33844	18.451	ug/l	95
62) Toluene	10.629	91	196885	18.821	ug/l	97
64) Chlorobenzene	11.894	112	126668	18.982	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	41822	18.969	ug/l	98
66) Ethyl Benzene	11.965	91	211991	18.514	ug/l	100
67) m/p-Xylenes	12.070	106	164422	37.473	ug/l	99
68) o-Xylene	12.394	106	80694	19.277	ug/l	97
69) Styrene	12.412	104	133644	18.596	ug/l	100
70) Isopropylbenzene	12.694	105	203011	19.473	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	72297	19.266	ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	63592m	19.651	ug/l	
73) Bromobenzene	12.982	156	47294	18.701	ug/l	99
74) n-propylbenzene	13.035	91	247990	19.471	ug/l	99
75) 2-Chlorotoluene	13.123	91	150115	19.509	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	166512	19.619	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	27150	18.914	ug/l	98
78) 4-Chlorotoluene	13.223	91	155736	19.761	ug/l	100
79) tert-butylbenzene	13.435	119	139520	19.556	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	166385	19.523	ug/l	98
81) sec-Butylbenzene	13.611	105	209004	20.153	ug/l	100
82) p-Isopropyltoluene	13.729	119	172978	20.042	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	94477	19.400	ug/l	100
84) 1,4-Dichlorobenzene	13.811	146	96182	19.624	ug/l	100
85) n-Butylbenzene	14.053	91	162667	20.658	ug/l	99
86) Hexachloroethane	14.335	117	30688	18.784	ug/l	95
87) 1,2-Dichlorobenzene	14.106	146	89313	19.450	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	16536	19.570	ug/l	95
89) 1,2,4-Trichlorobenzene	15.841	180	50315	19.367	ug/l	97
90) Hexachlorobutadiene	15.494	225	17346	22.501	ug/l	96
91) Naphthalene	15.635	128	193989	18.973	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	50315	19.367	ug/l	97

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



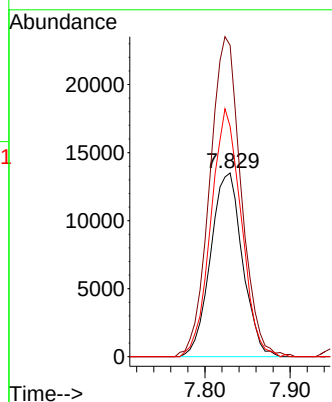
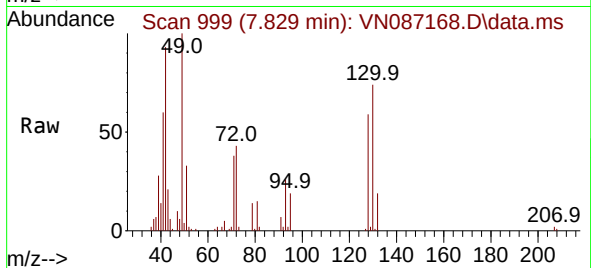
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.829 min Scan# 998
Delta R.T. 0.005 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :
MSVOA_N
Client Sample Id :
ICV062525

Tgt Ion: 128 Resp: 3507
Ion Ratio Lower Upper
128 100
49 171.8 0.0 450.5
130 128.2 0.0 320.7

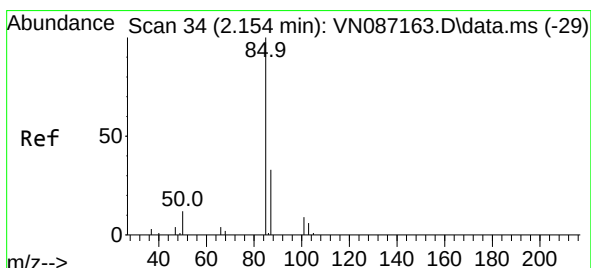
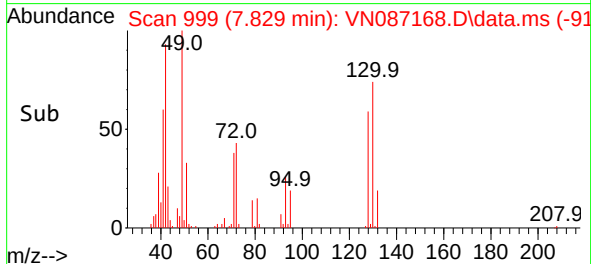
Manual Integrations
APPROVED

Reviewed By : John
Carlone



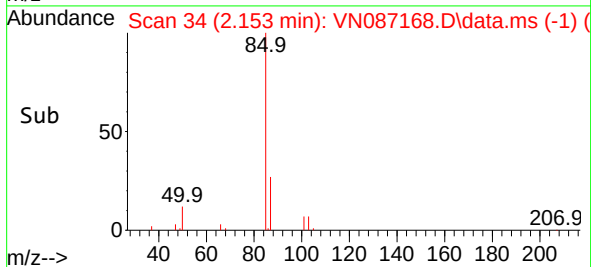
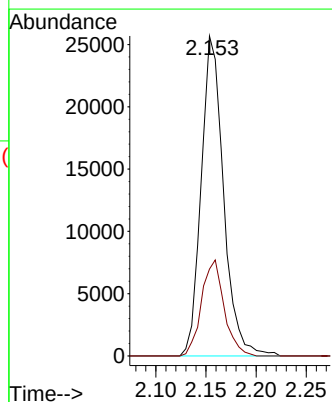
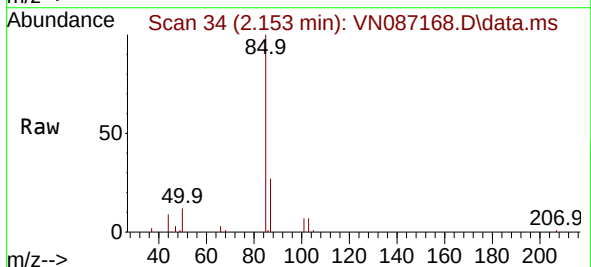
06/25/2025
Supervised By : Mahesh
Dadoda

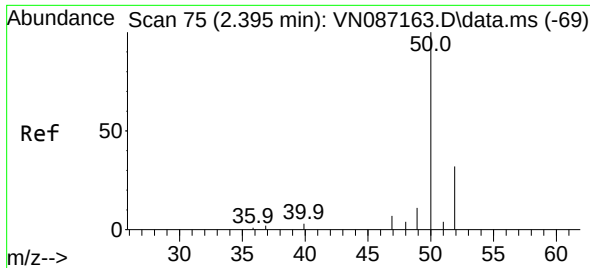
06/26/2025



#2
Dichlorodifluoromethane
Concen: 18.915 ug/l
RT: 2.153 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Tgt Ion: 85 Resp: 39936
Ion Ratio Lower Upper
85 100
87 27.2 16.7 50.0





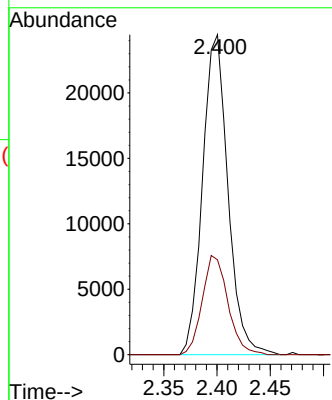
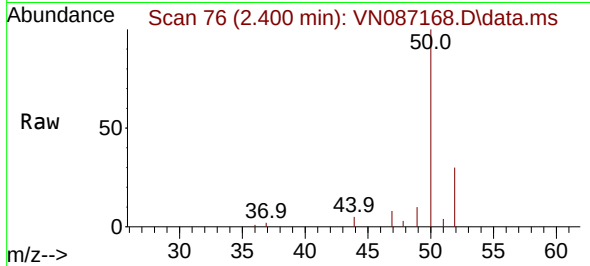
#3
Chloromethane
Concen: 18.816 ug/l
RT: 2.400 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :
MSVOA_N
Client Sample Id :
ICV062525

Tgt Ion: 50 Resp: 40578
Ion Ratio Lower Upper
50 100
52 29.6 25.9 38.9

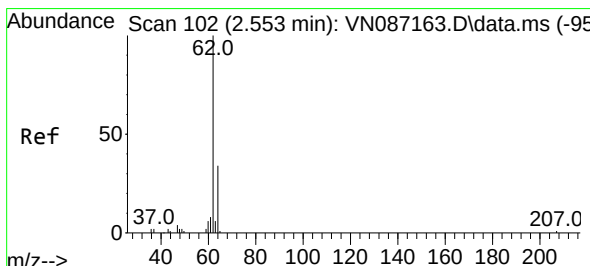
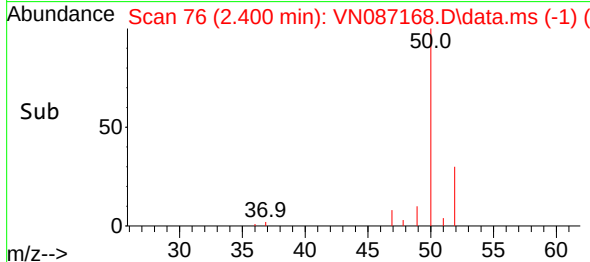
Manual Integrations
APPROVED

Reviewed By :John
Carlone



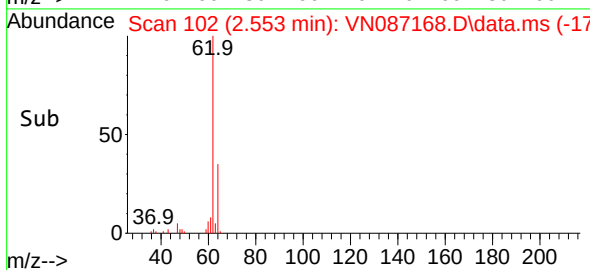
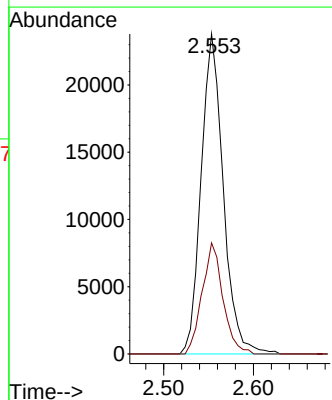
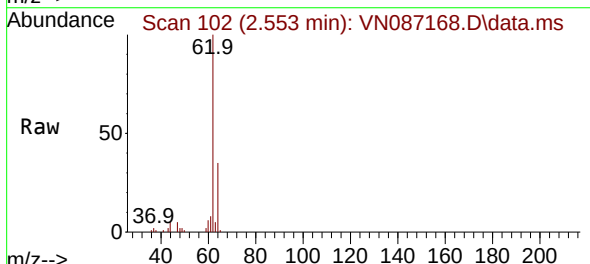
06/25/2025
Supervised By :Mahesh
Dadoda

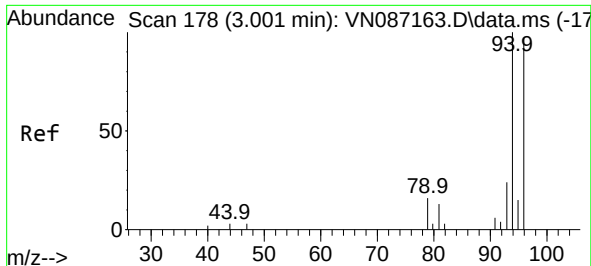
06/26/2025



#4
Vinyl Chloride
Concen: 17.404 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

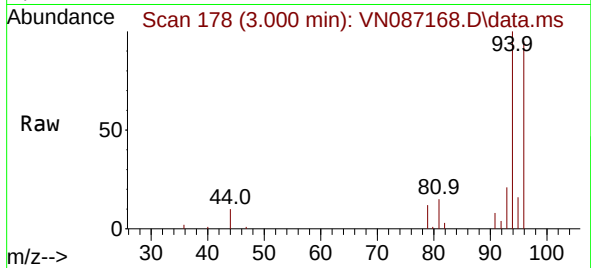
Tgt Ion: 62 Resp: 40792
Ion Ratio Lower Upper
62 100
64 34.7 27.4 41.2





#5
Bromomethane
Concen: 20.494 ug/l
RT: 3.000 min Scan# 178
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

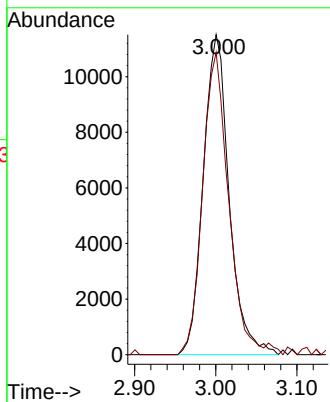
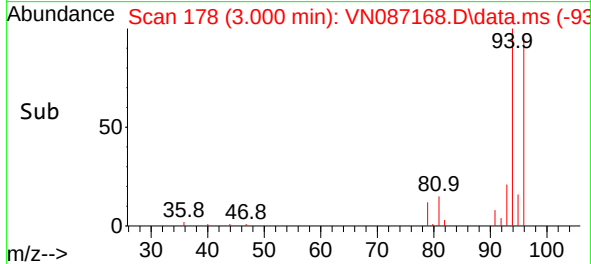
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525



Tgt Ion: 94 Resp: 25492
Ion Ratio Lower Upper
94 100
96 94.5 77.9 116.9

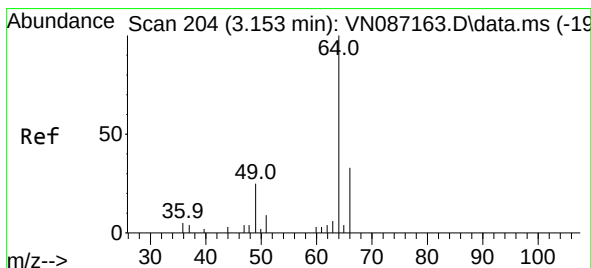
Manual Integrations
APPROVED

Reviewed By :John
Carlone



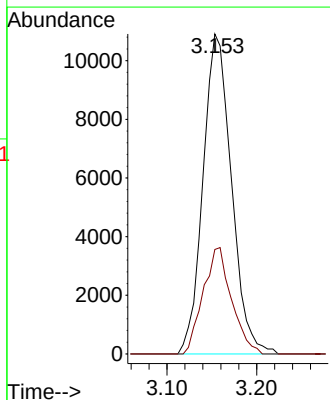
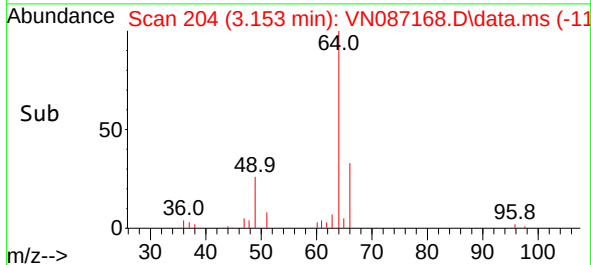
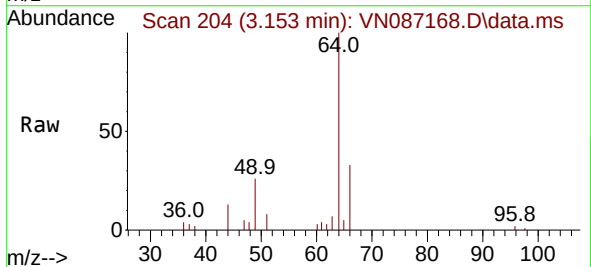
06/25/2025
Supervised By :Mahesh
Dadoda

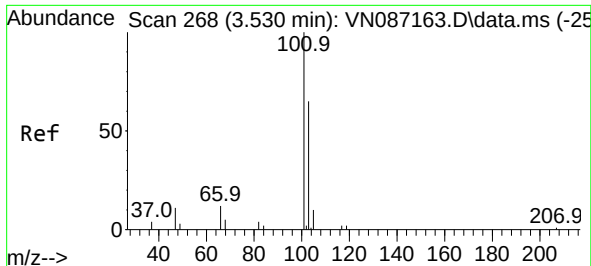
06/26/2025



#6
Chloroethane
Concen: 19.122 ug/l
RT: 3.153 min Scan# 204
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

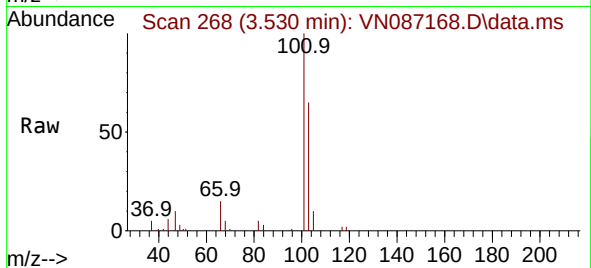
Tgt Ion: 64 Resp: 24041
Ion Ratio Lower Upper
64 100
66 32.6 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 18.810 ug/l
 RT: 3.530 min Scan# 206
 Delta R.T. -0.000 min
 Lab File: VN087168.D
 Acq: 25 Jun 2025 11:08

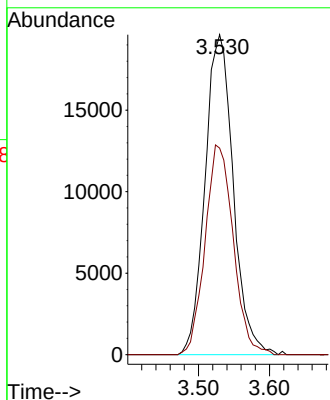
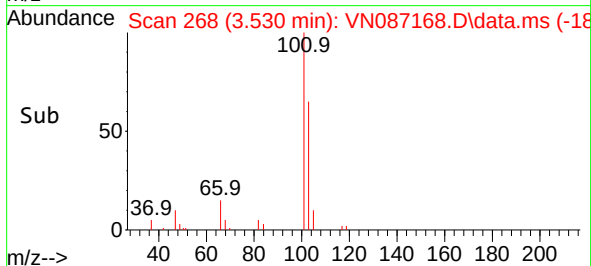
Instrument : MSVOA_N
 ClientSampleId : ICVVN062525



Tgt Ion:101 Resp: 54078
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.8 77.8

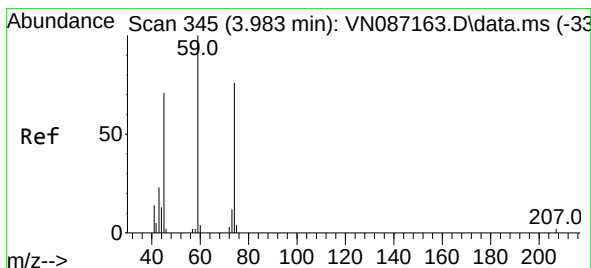
Manual Integrations
 APPROVED

Reviewed By :John
 Carlone



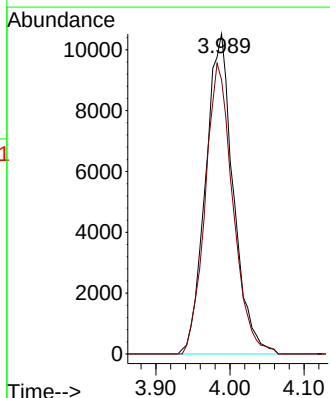
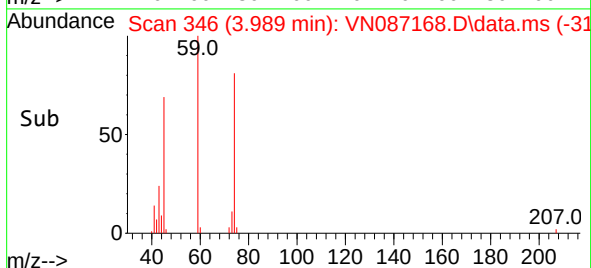
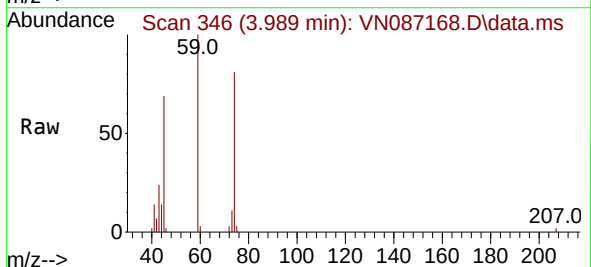
06/25/2025
 Supervised By :Mahesh
 Dadoda

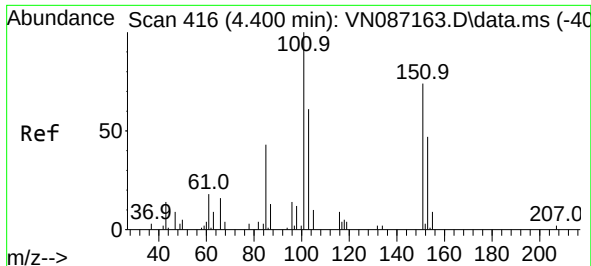
06/26/2025



#8
 Diethyl Ether
 Concen: 19.443 ug/l
 RT: 3.989 min Scan# 346
 Delta R.T. 0.006 min
 Lab File: VN087168.D
 Acq: 25 Jun 2025 11:08

Tgt Ion: 74 Resp: 27463
 Ion Ratio Lower Upper
 74 100
 45 90.3 19.0 171.0





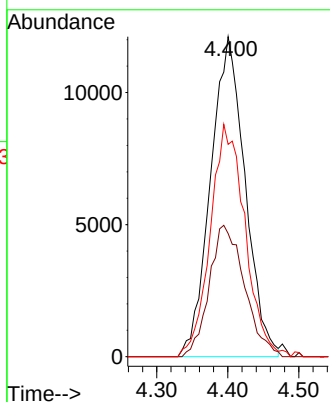
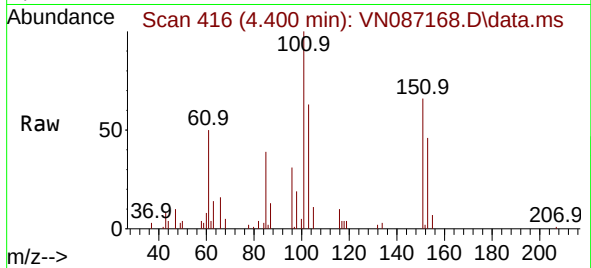
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.184 ug/l
RT: 4.400 min Scan# 416
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

Tgt Ion:101 Resp: 4089
Ion Ratio Lower Upper
101 100
85 42.0 0.0 40.6
151 72.6 0.0 141.2

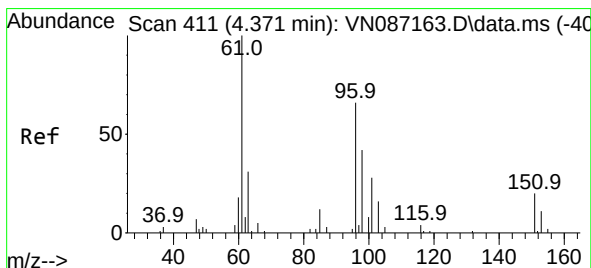
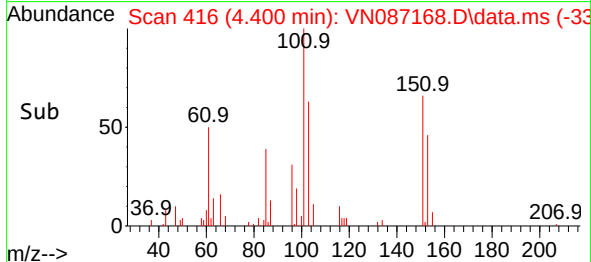
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Reviewed By :John
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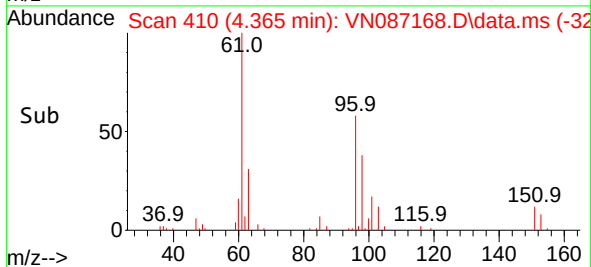
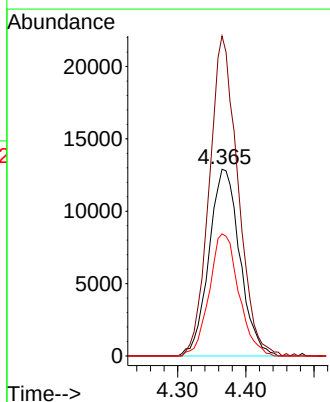
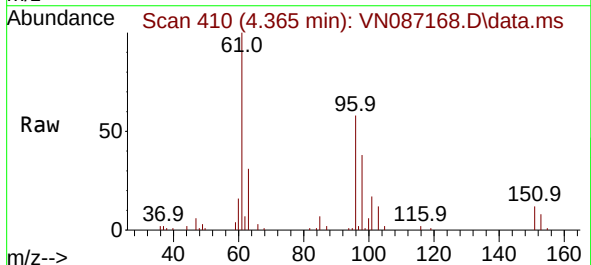
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Supervised By :Mahesh
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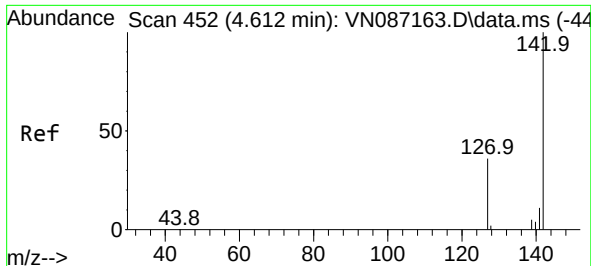
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#10
1,1-Dichloroethene
Concen: 19.141 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

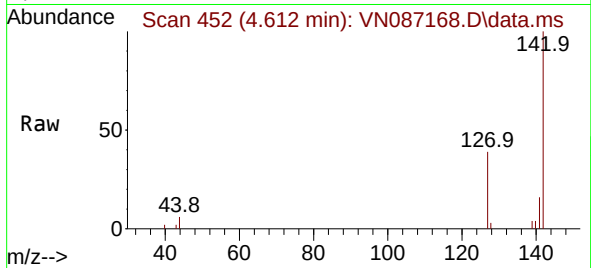
Tgt Ion: 96 Resp: 40670
Ion Ratio Lower Upper
96 100
61 171.4 122.0 183.0
98 65.4 50.3 75.5





#11
Methyl Iodide
Concen: 15.530 ug/l
RT: 4.612 min Scan# 452
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

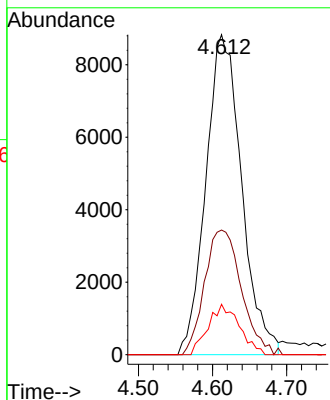
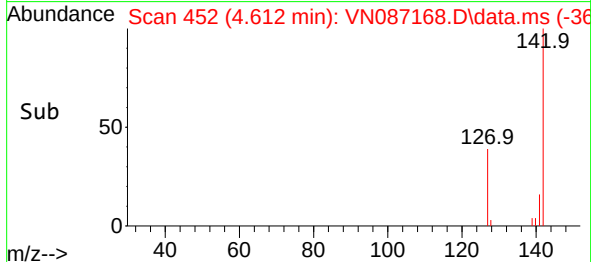
Instrument :
MSVOA_N
Client Sample Id :
ICVVN062525



Tgt Ion: 142 Resp: 29562
Ion Ratio Lower Upper
142 100
127 38.7 18.1 54.1
141 16.1 5.7 17.1

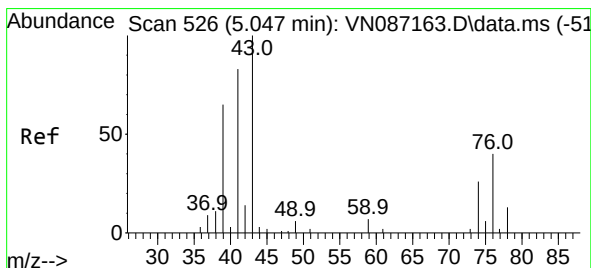
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Reviewed By :John
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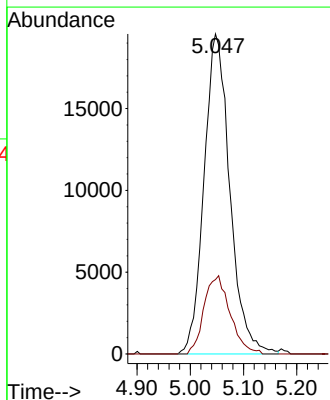
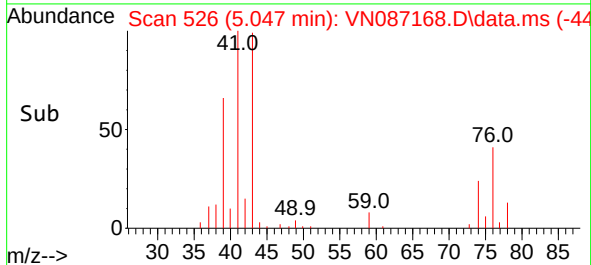
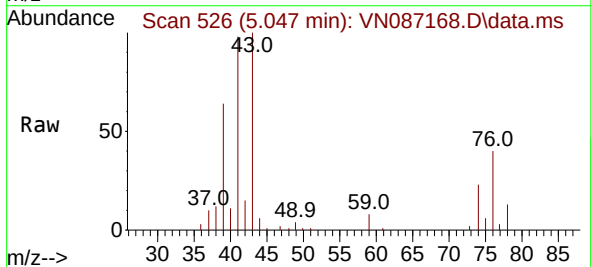
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Supervised By :Mahesh
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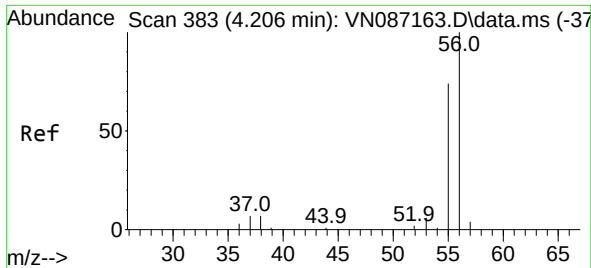
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#12
Methyl Acetate
Concen: 19.769 ug/l
RT: 5.047 min Scan# 526
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

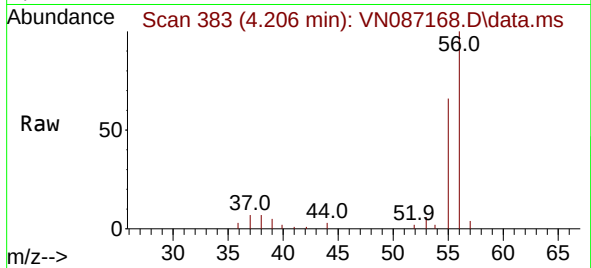
Tgt Ion: 43 Resp: 65886
Ion Ratio Lower Upper
43 100
74 23.4 20.3 30.5





#13
Acrolein
Concen: 106.612 ug/l
RT: 4.206 min Scan# 383
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

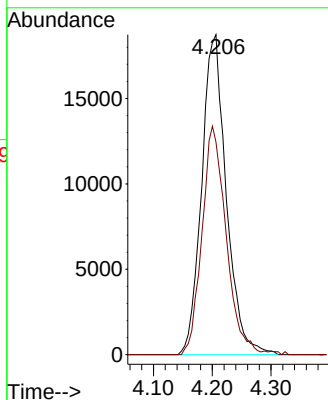
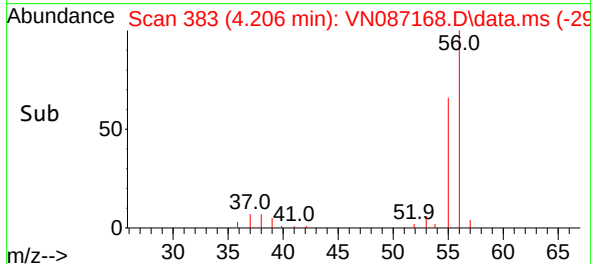
Instrument : MSVOA_N
Client Sample Id : ICVVN062525



Tgt Ion: 56 Resp: 5459
Ion Ratio Lower Upper
56 100
55 69.7 55.7 83.5

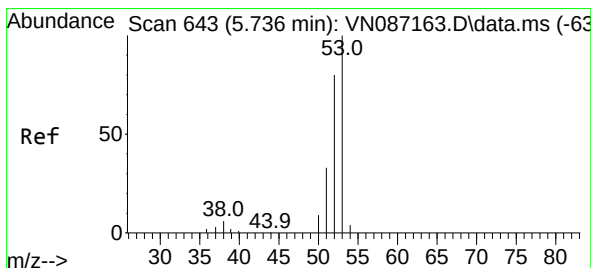
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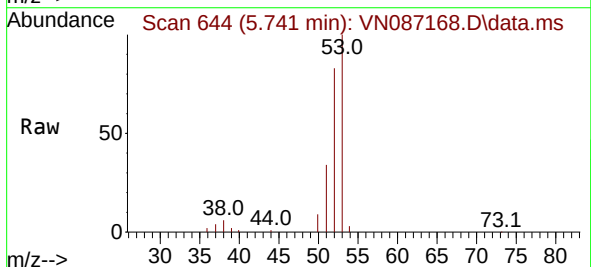


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Supervised By :Mahesh
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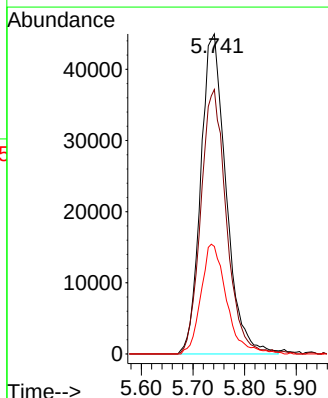
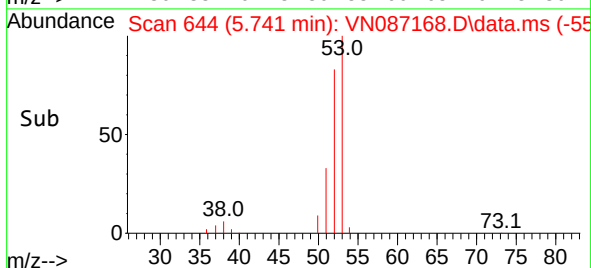
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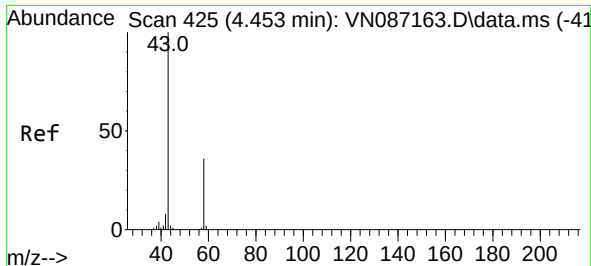


#14
Acrylonitrile
Concen: 98.671 ug/l
RT: 5.741 min Scan# 644
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08



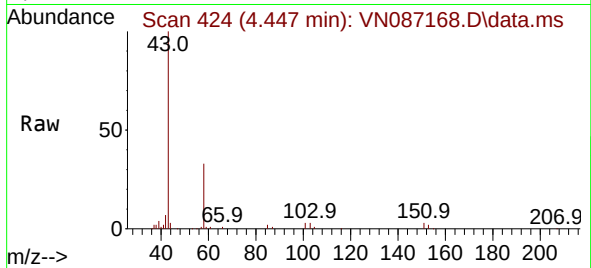
Tgt Ion: 53 Resp: 153387
Ion Ratio Lower Upper
53 100
52 82.7 40.5 121.5
51 33.6 16.9 50.7





#15
Acetone
Concen: 98.119 ug/l
RT: 4.447 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

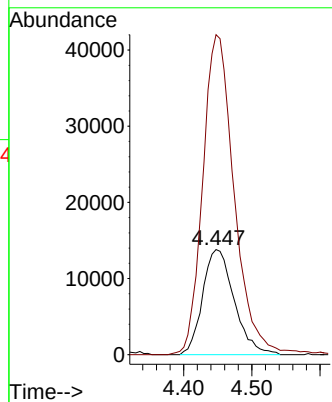
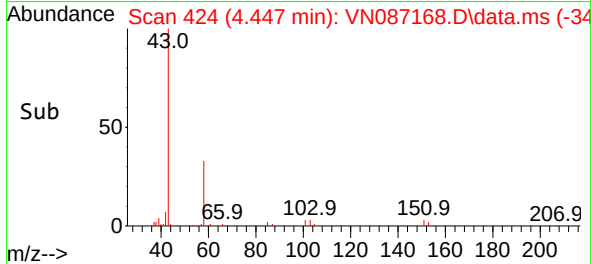
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525



Tgt Ion: 58 Resp: 4449
Ion Ratio Lower Upper
58 100
43 301.1 224.3 336.5

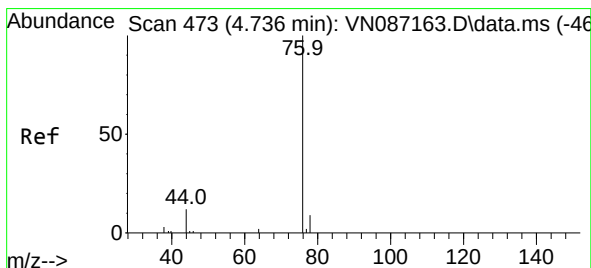
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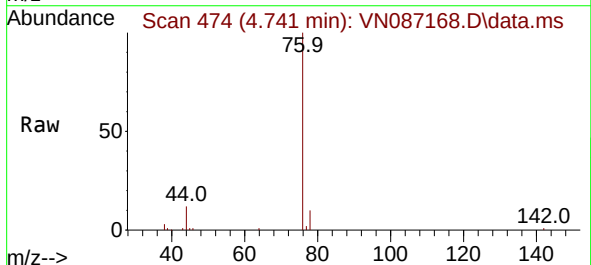


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Supervised By :Mahesh
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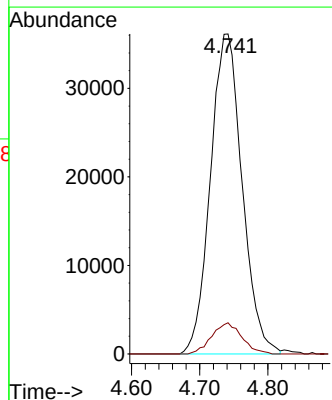
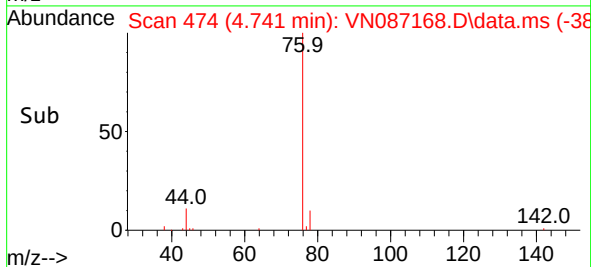
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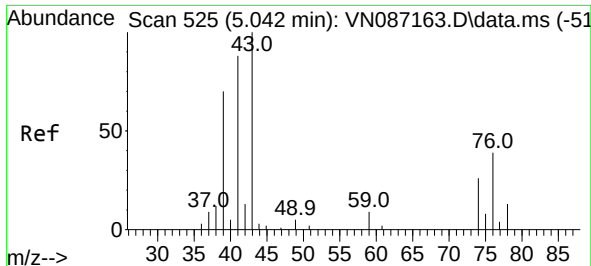


#16
Carbon Disulfide
Concen: 18.825 ug/l
RT: 4.741 min Scan# 474
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08



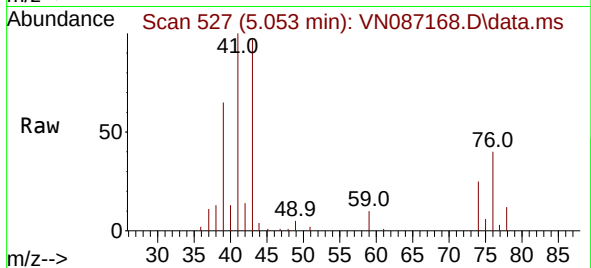
Tgt Ion: 76 Resp: 116947
Ion Ratio Lower Upper
76 100
78 9.8 7.2 10.8





#17
 Allyl chloride
 Concen: 18.360 ug/l
 RT: 5.053 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VN087168.D
 Acq: 25 Jun 2025 11:08

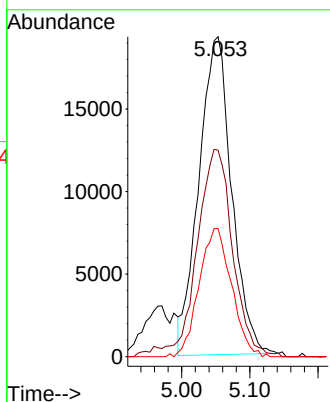
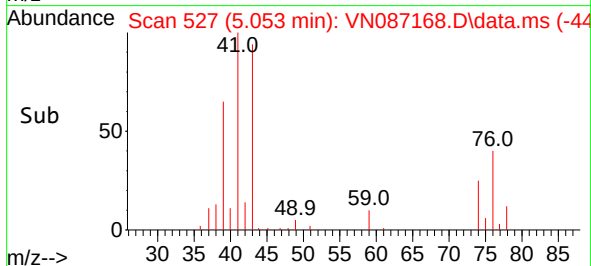
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN062525



Tgt Ion: 41 Resp: 64340
 Ion Ratio Lower Upper
 41 100
 39 64.0 36.0 108.0
 76 40.5 19.5 58.5

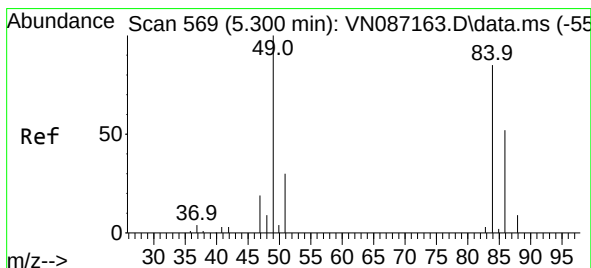
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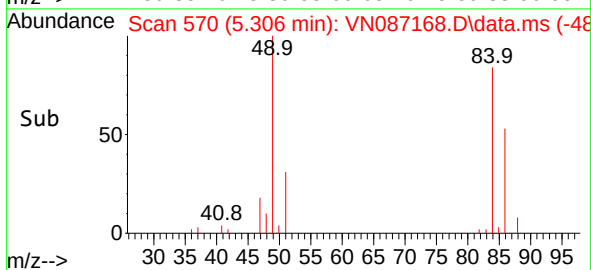
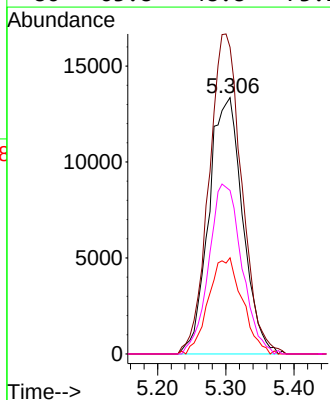
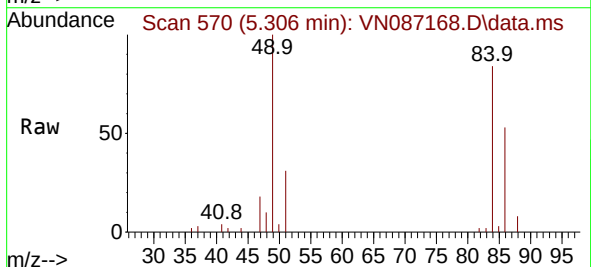
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 Supervised By :Mahesh
 Dadoda

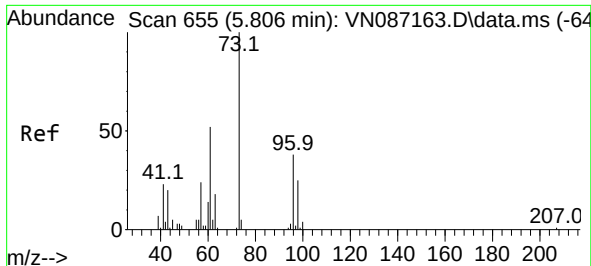
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#18
 Methylene Chloride
 Concen: 18.727 ug/l
 RT: 5.306 min Scan# 570
 Delta R.T. 0.006 min
 Lab File: VN087168.D
 Acq: 25 Jun 2025 11:08

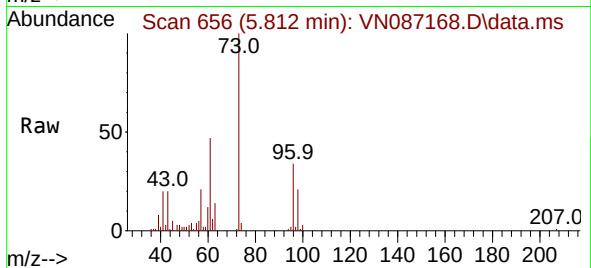
Tgt Ion: 84 Resp: 46095
 Ion Ratio Lower Upper
 84 100
 49 119.6 94.0 141.0
 51 37.5 28.3 42.5
 86 63.8 48.8 73.2





#19
trans-1,2-Dichloroethene
Concen: 19.006 ug/l
RT: 5.812 min Scan# 612
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

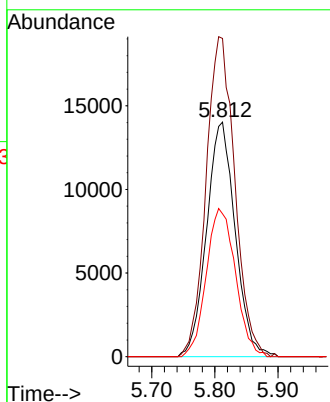
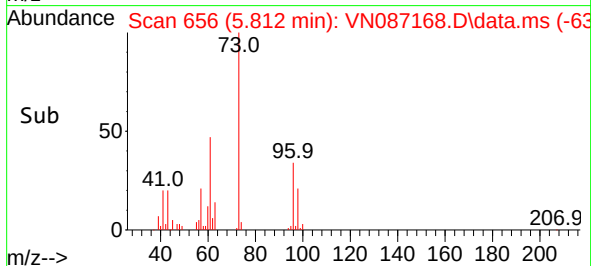
Instrument :
MSVOA_N
ClientSampleId :
ICVNVN062525



Tgt Ion: 96 Resp: 44162
Ion Ratio Lower Upper
96 100
61 135.6 110.3 165.5
98 60.9 51.6 77.4

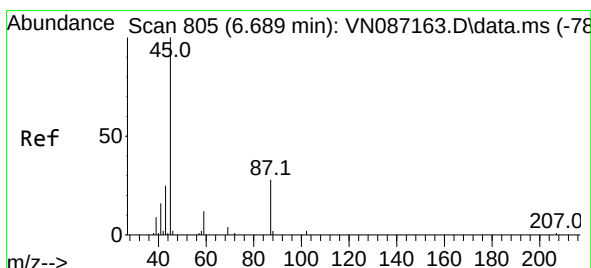
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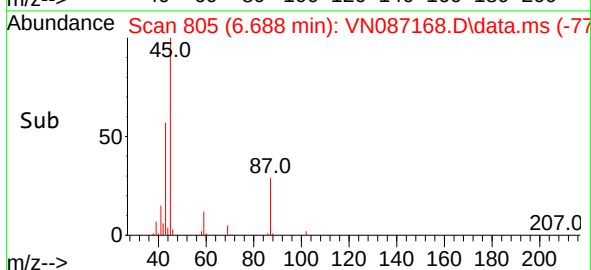
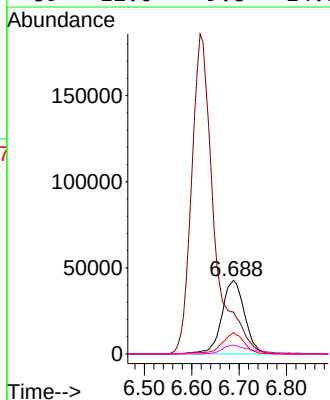
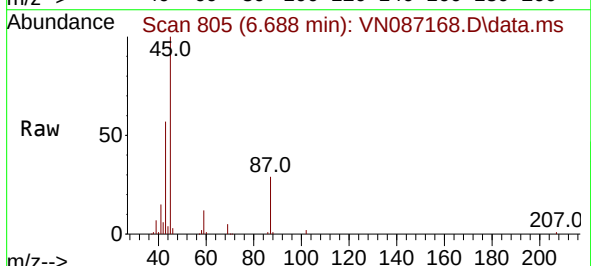
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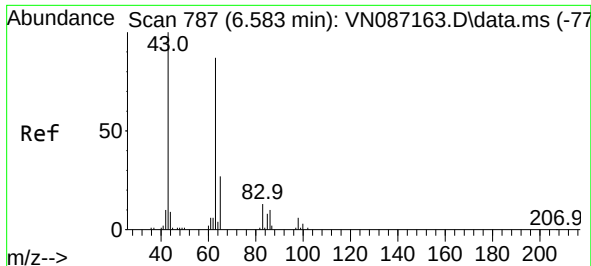
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#20
Diisopropyl ether
Concen: 19.202 ug/l
RT: 6.688 min Scan# 805
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Tgt Ion: 45 Resp: 142767
Ion Ratio Lower Upper
45 100
43 55.8 45.3 67.9
87 29.1 22.6 33.8
59 12.0 9.8 14.8





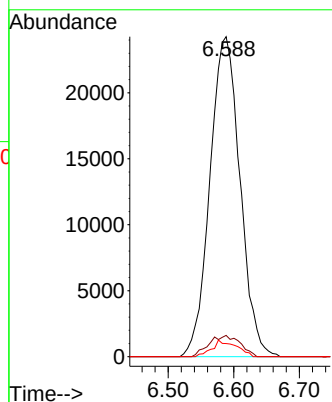
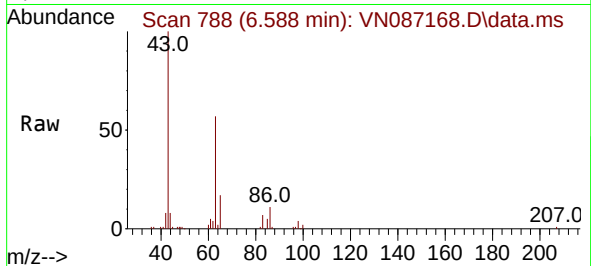
#21
1,1-Dichloroethane
Concen: 17.398 ug/l
RT: 6.588 min Scan# 787
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

Tgt Ion: 63 Resp: 77314
Ion Ratio Lower Upper
63 100
98 6.6 3.5 10.4
100 4.1 2.0 5.8

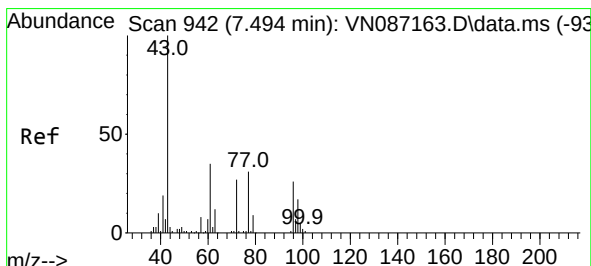
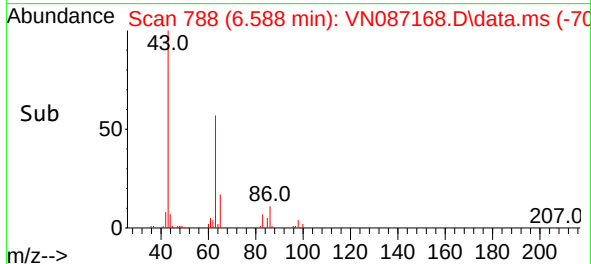
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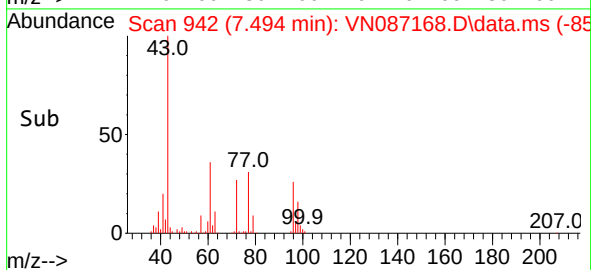
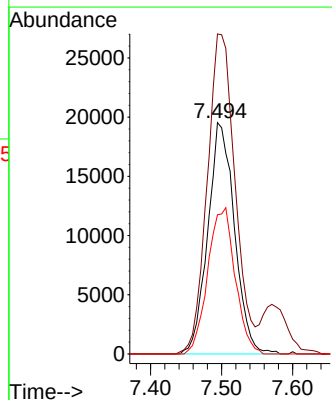
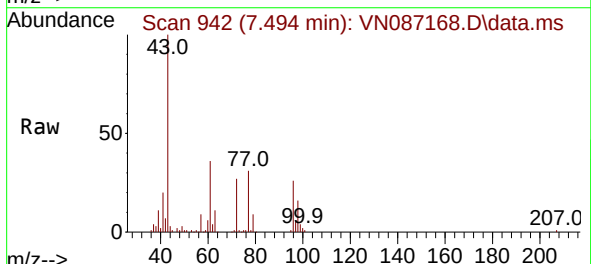
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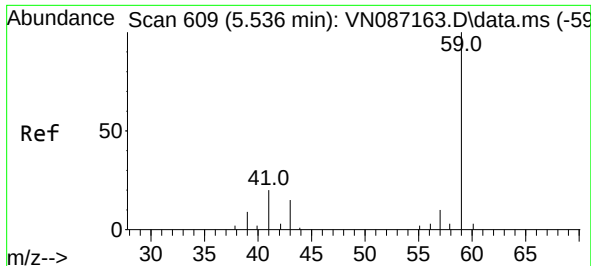
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#22
cis-1,2-Dichloroethene
Concen: 18.875 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

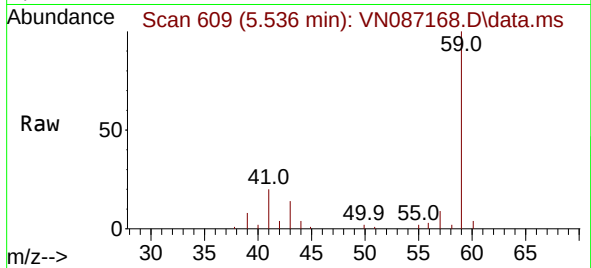
Tgt Ion: 96 Resp: 51043
Ion Ratio Lower Upper
96 100
61 143.9 119.2 178.8
98 64.5 50.6 75.8





#23
tert-Butyl Alcohol
Concen: 103.292 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

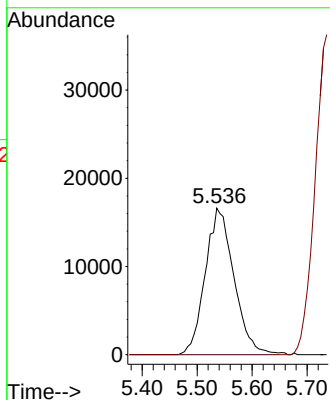
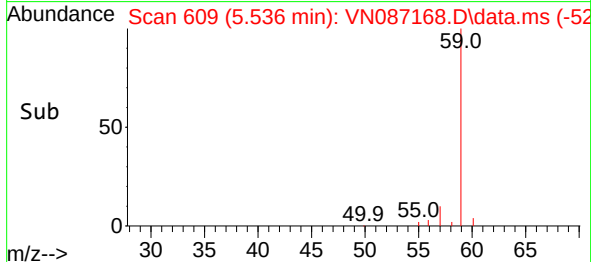
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525



Tgt Ion: 59 Resp: 6038
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

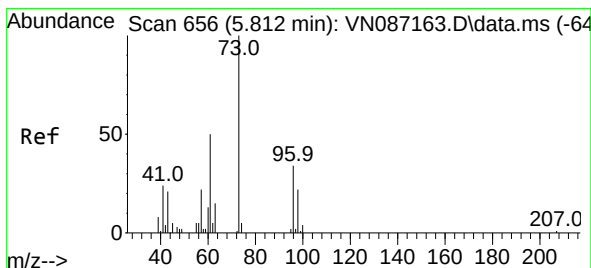
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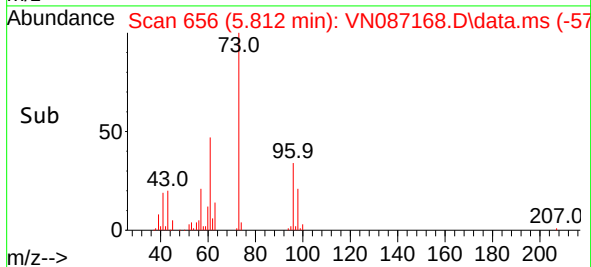
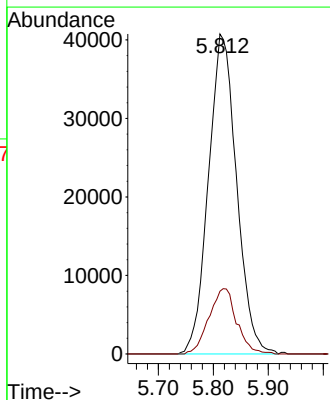
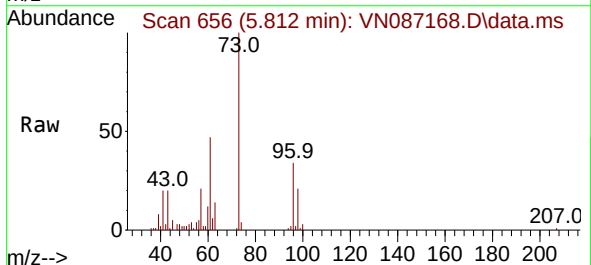
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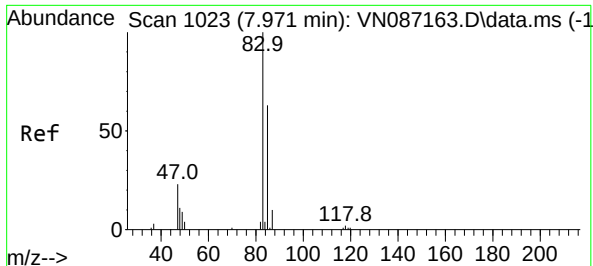
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#24
Methyl tert-Butyl Ether
Concen: 19.447 ug/l
RT: 5.812 min Scan# 656
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Tgt Ion: 73 Resp: 144916
Ion Ratio Lower Upper
73 100
43 20.1 16.4 24.6





#25

Chloroform

Concen: 17.750 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.006 min

Lab File: VN087168.D

Acq: 25 Jun 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062525

Tgt Ion: 83 Resp: 7556

Ion Ratio Lower Upper

83 100

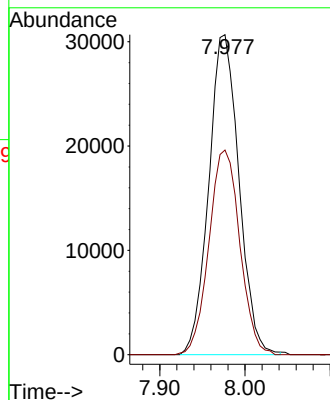
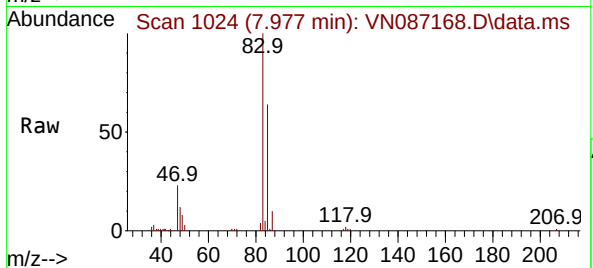
85 64.0 50.7 76.1

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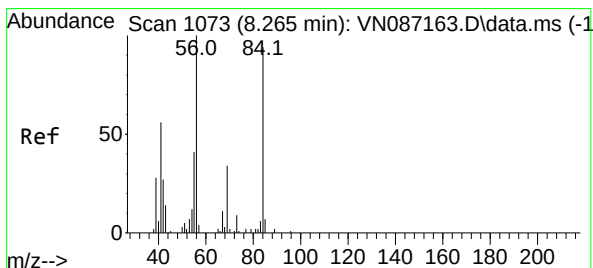
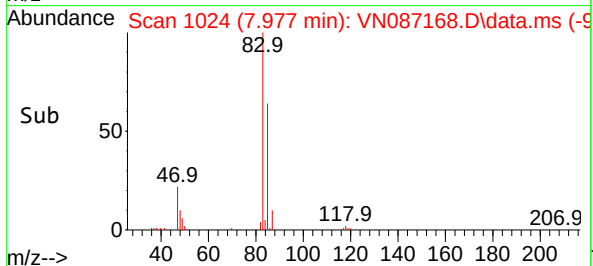


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#26

Cyclohexane

Concen: 17.527 ug/l

RT: 8.271 min Scan# 1074

Delta R.T. 0.006 min

Lab File: VN087168.D

Acq: 25 Jun 2025 11:08

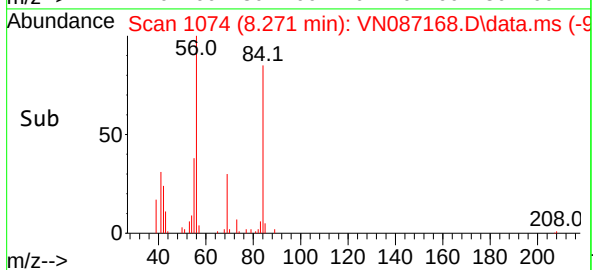
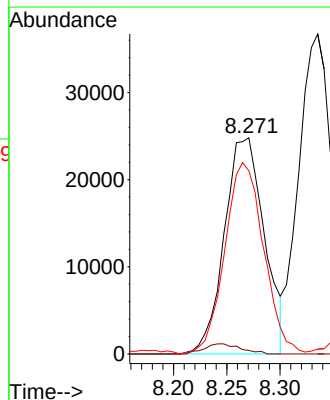
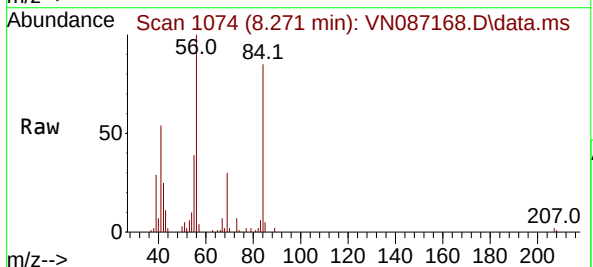
Tgt Ion: 56 Resp: 64739

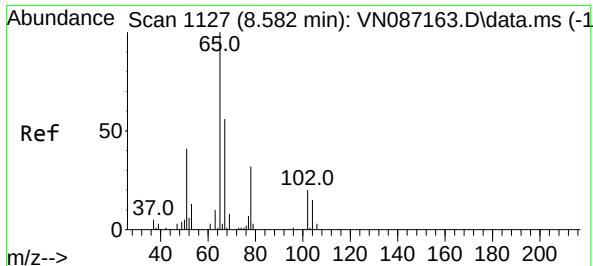
Ion Ratio Lower Upper

56 100

89 4.3 6.9 10.3#

84 86.1 69.1 103.7





#27
1,2-Dichloroethane-d4
Concen: 29.730 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :

MSVOA_N

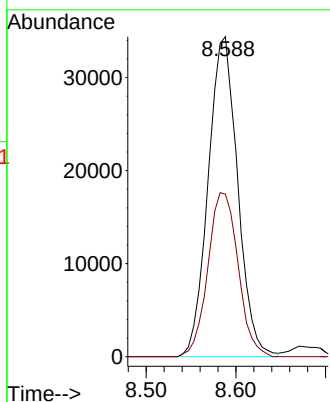
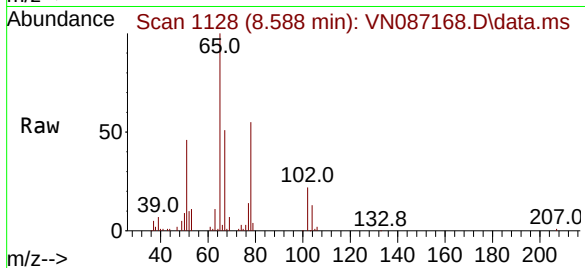
ClientSampleId :

ICVVN062525

Tgt Ion: 65 Resp: 78569
Ion Ratio Lower Upper
65 100
67 52.5 41.9 62.9

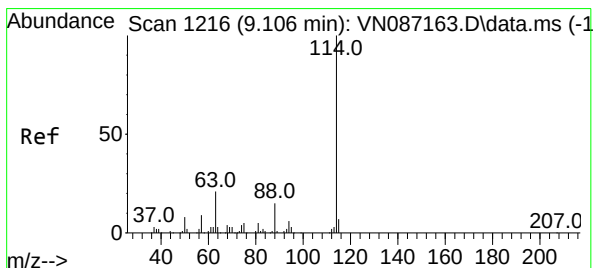
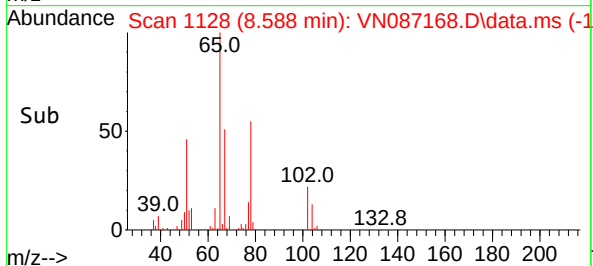
Manual Integrations
APPROVED

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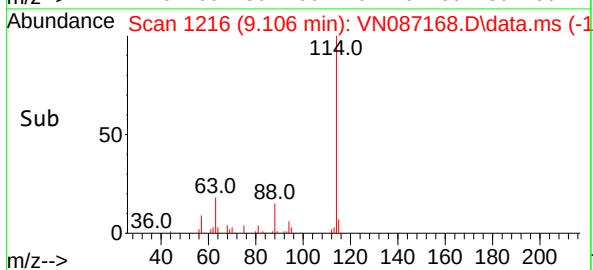
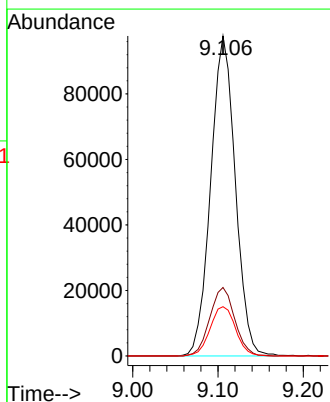
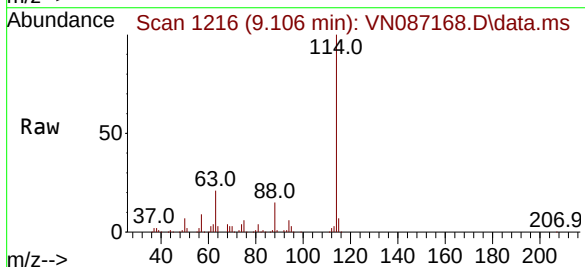
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Supervised By :Mahesh
Dadoda

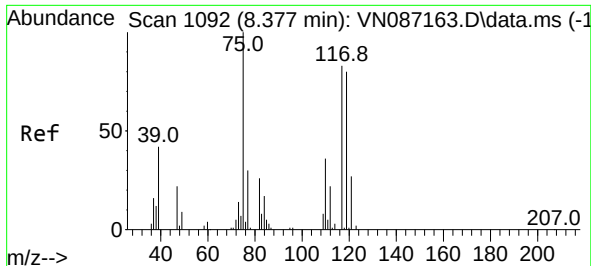
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#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

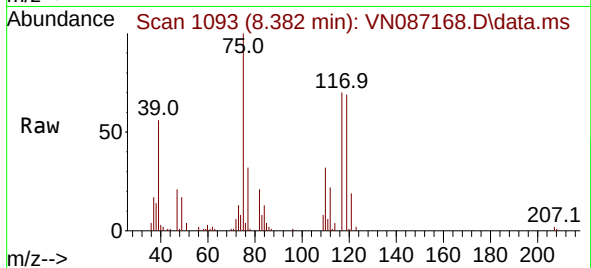
Tgt Ion:114 Resp: 195745
Ion Ratio Lower Upper
114 100
63 21.6 17.0 25.4
88 15.9 12.6 19.0





#29
1,1-Dichloropropene
Concen: 18.425 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

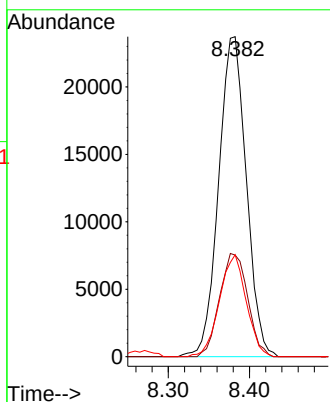
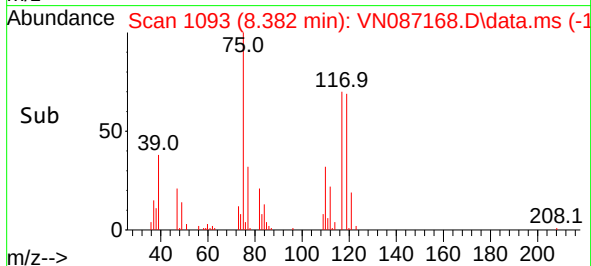
Instrument :
MSVOA_N
ClientSampleId :
ICV062525



Tgt Ion: 75 Resp: 56214
Ion Ratio Lower Upper
75 100
110 32.7 0.0 69.2
77 30.8 0.0 61.8

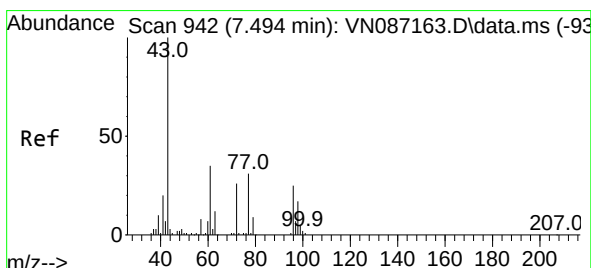
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APPROVED

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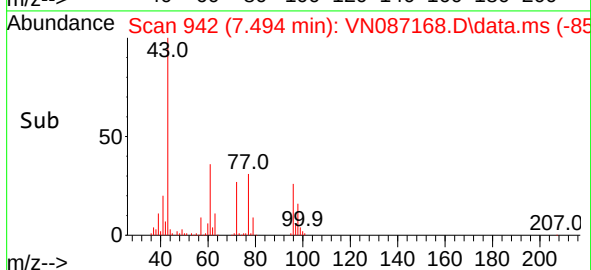
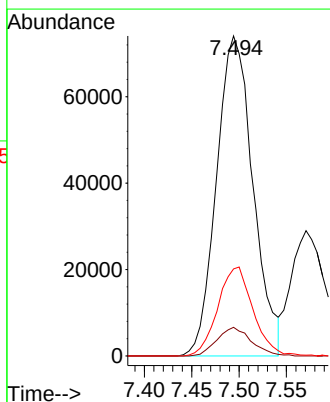
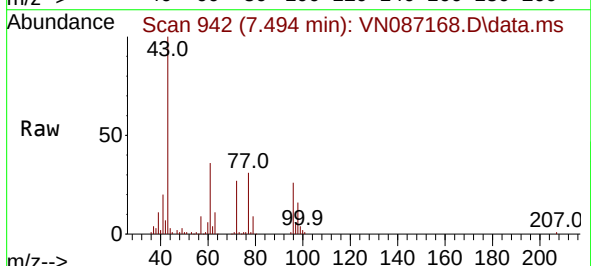
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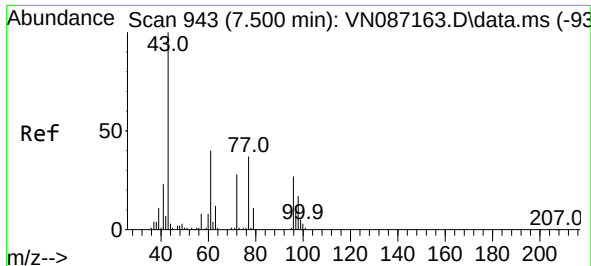
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#30
2-Butanone
Concen: 96.637 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Tgt Ion: 43 Resp: 198883
Ion Ratio Lower Upper
43 100
57 8.4 6.3 9.5
72 26.5 21.8 32.6





#31

2,2-Dichloropropane

Concen: 19.459 ug/l

RT: 7.500 min Scan# 943

Delta R.T. -0.000 min

Lab File: VN087168.D

Acq: 25 Jun 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

ICV062525

Tgt Ion: 77 Resp: 7166

Ion Ratio Lower Upper

77 100

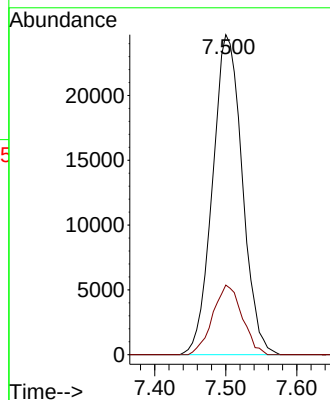
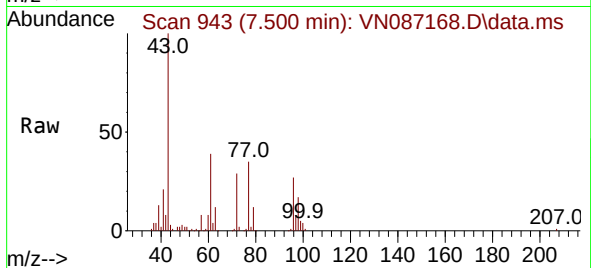
97 21.6 18.4 27.6

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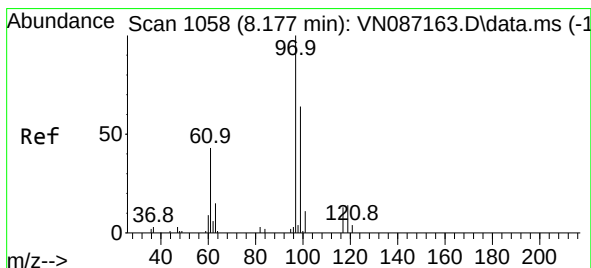
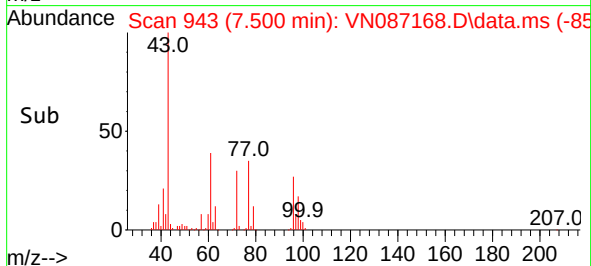


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#32

1,1,1-Trichloroethane

Concen: 17.908 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN087168.D

Acq: 25 Jun 2025 11:08

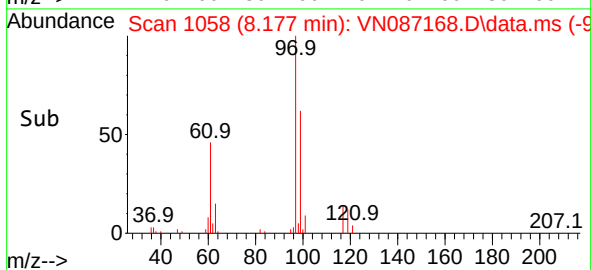
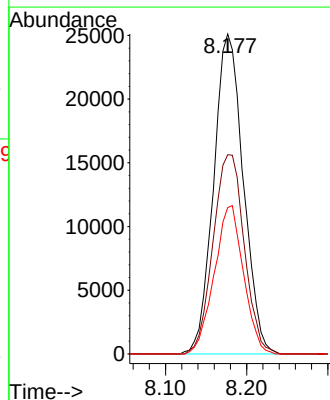
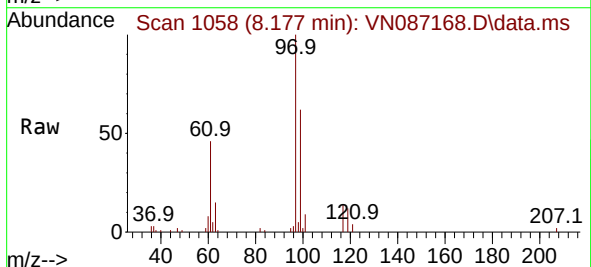
Tgt Ion: 97 Resp: 63831

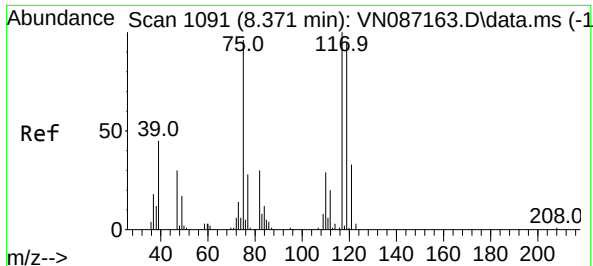
Ion Ratio Lower Upper

97 100

99 65.3 50.8 76.2

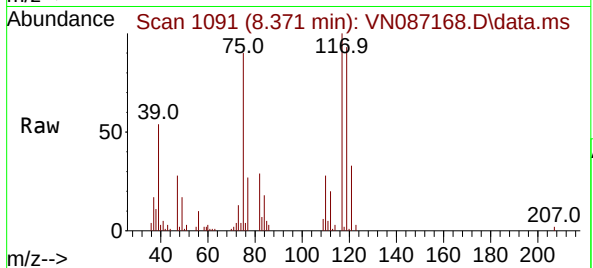
61 45.7 36.1 54.1





#33
Carbon Tetrachloride
Concen: 18.113 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

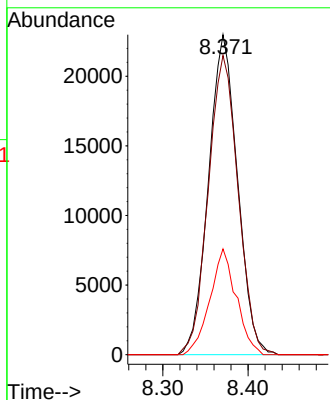
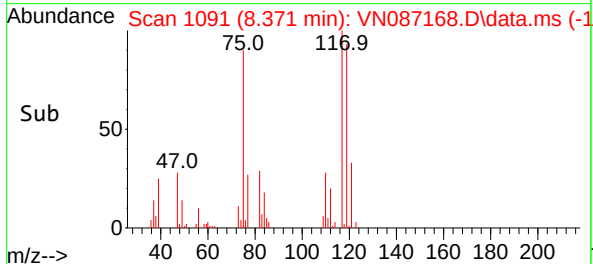
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525



Tgt Ion: 117 Resp: 5433
Ion Ratio Lower Upper
117 100
119 93.5 75.8 113.6
121 33.0 26.2 39.4

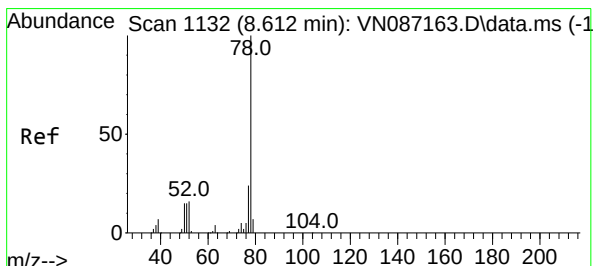
Manual Integrations
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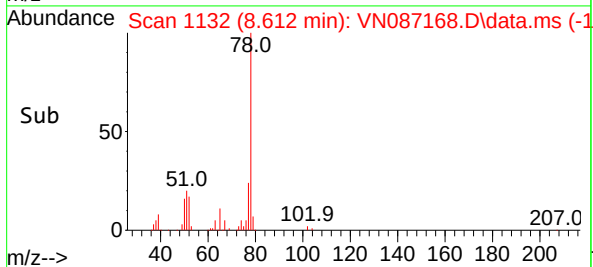
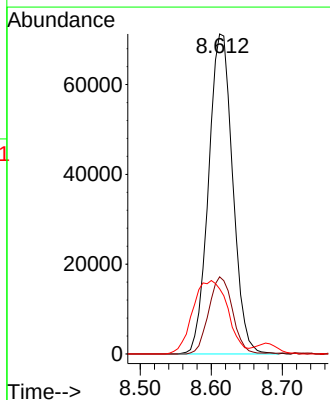
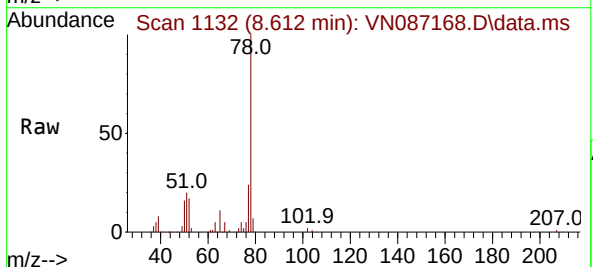
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Supervised By :Mahesh
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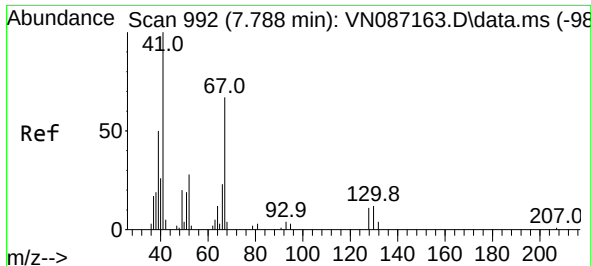
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#34
Benzene
Concen: 17.375 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

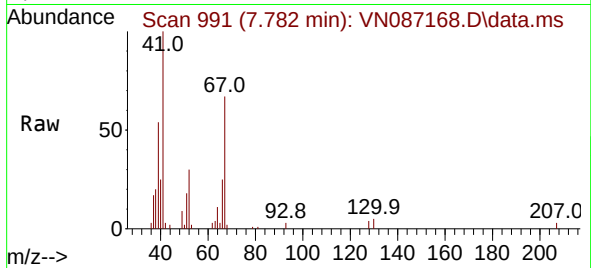
Tgt Ion: 78 Resp: 167939
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3
51 18.7 14.8 22.2





#35
Methacrylonitrile
Concen: 17.450 ug/l
RT: 7.782 min Scan# 991
Delta R.T. -0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

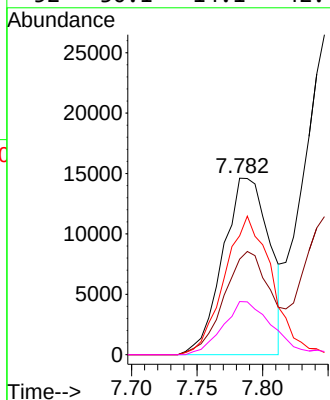
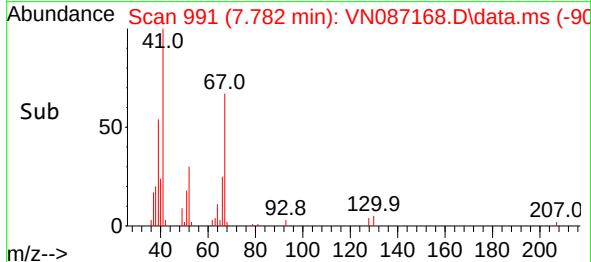
Instrument :
MSVOA_N
Client Sample Id :
ICV062525



Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.1	24.4	73.2
67	67.4	33.3	99.8
52	30.1	14.1	42.4

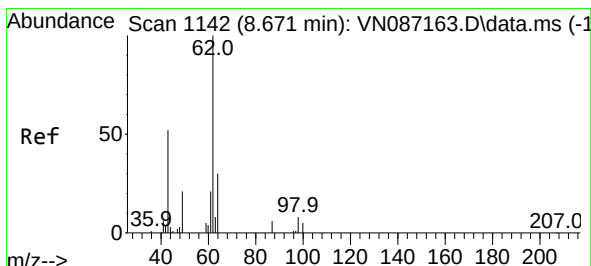
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Reviewed By :John
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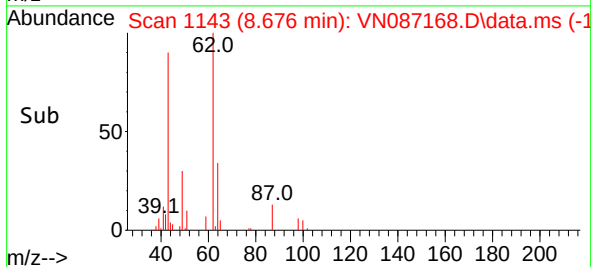
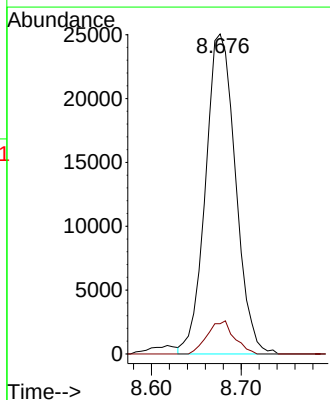
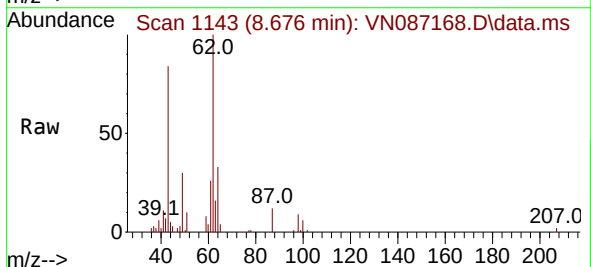
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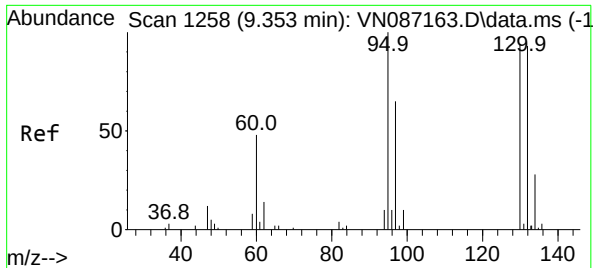
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#36
1,2-Dichloroethane
Concen: 18.634 ug/l
RT: 8.676 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

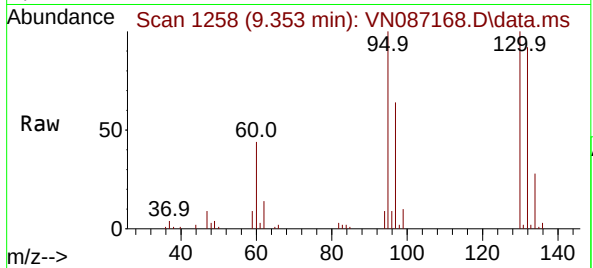
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.2	10.8





#37
Trichloroethene
Concen: 19.760 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

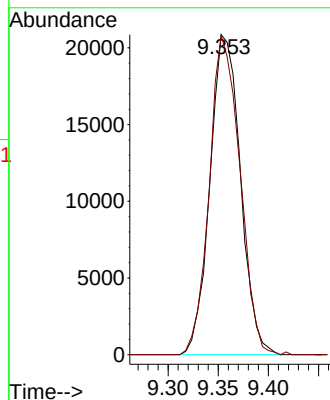
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525



Tgt Ion:130 Resp: 4405
Ion Ratio Lower Upper
130 100
95 99.7 85.3 127.9

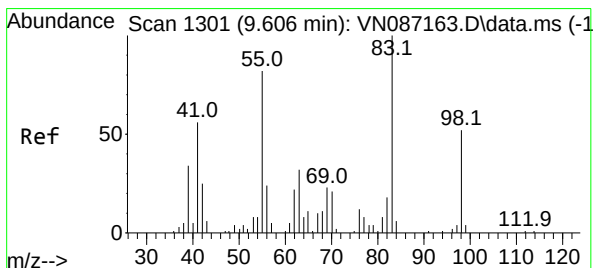
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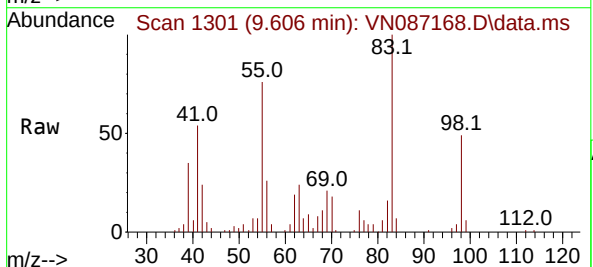


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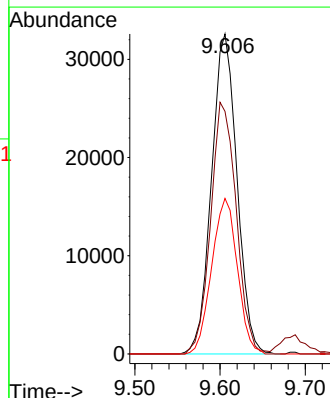
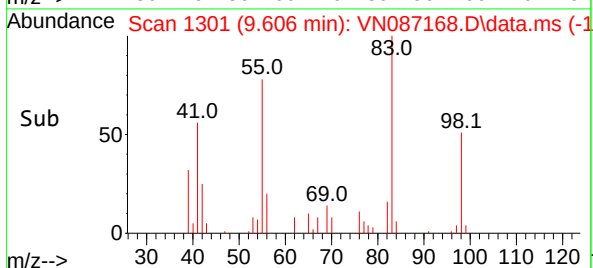
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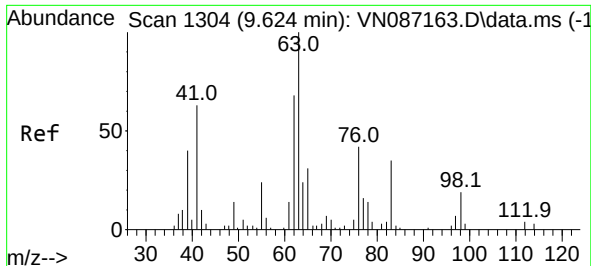


#38
Methylcyclohexane
Concen: 19.317 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08



Tgt Ion: 83 Resp: 67623
Ion Ratio Lower Upper
83 100
55 79.2 40.1 120.2
98 49.0 24.4 73.2





#39

1,2-Dichloropropane

Concen: 19.414 ug/l

RT: 9.623 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087168.D

Acq: 25 Jun 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062525

Tgt Ion: 63 Resp: 47099

Ion Ratio Lower Upper

63 100

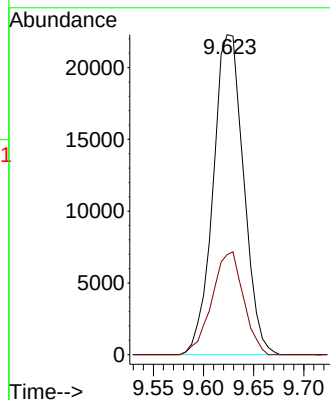
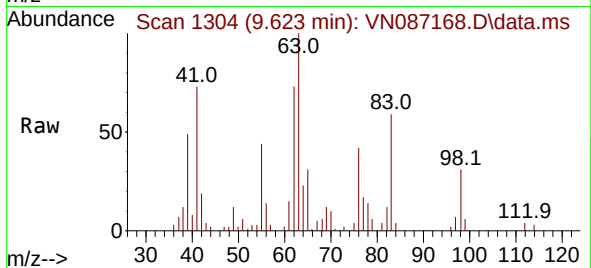
65 31.2 24.6 36.8

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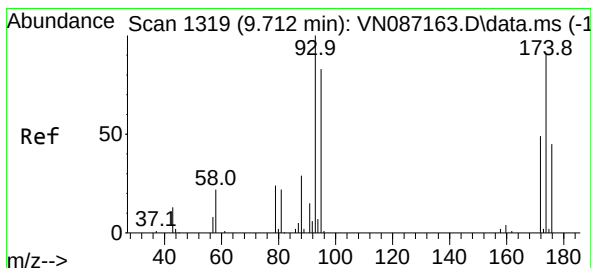
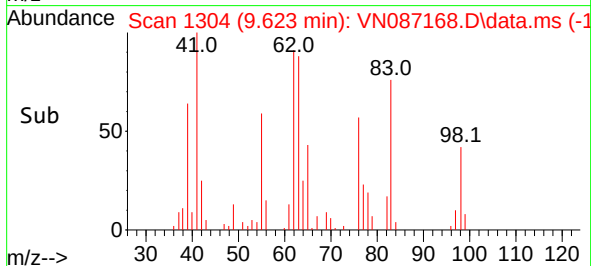


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#40

Dibromomethane

Concen: 19.062 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VN087168.D

Acq: 25 Jun 2025 11:08

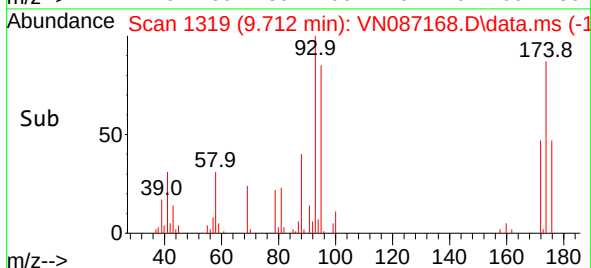
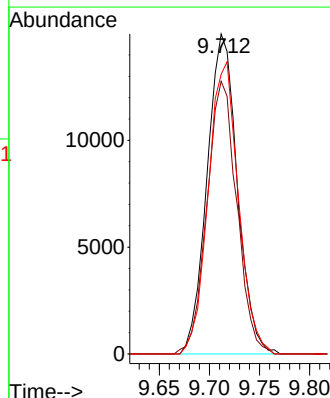
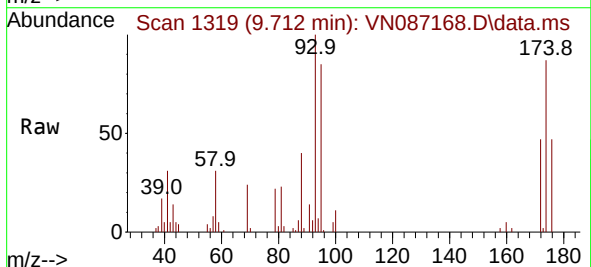
Tgt Ion: 93 Resp: 31445

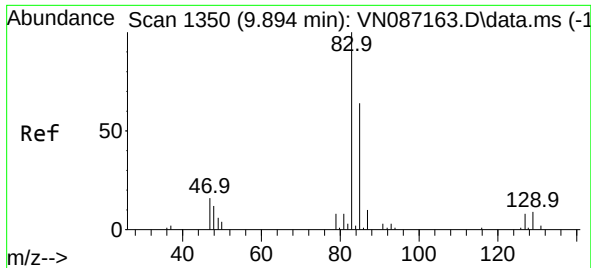
Ion Ratio Lower Upper

93 100

95 84.0 0.0 170.8

174 91.0 0.0 176.6





#41
Bromodichloromethane
Concen: 19.565 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :

MSVOA_N

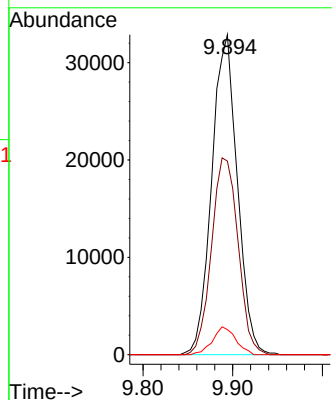
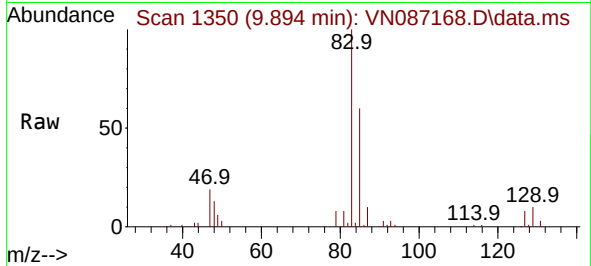
ClientSampleId :

ICVVN062525

Tgt Ion: 83 Resp: 6514
Ion Ratio Lower Upper
83 100
85 60.5 51.4 77.2
127 7.8 6.1 9.1

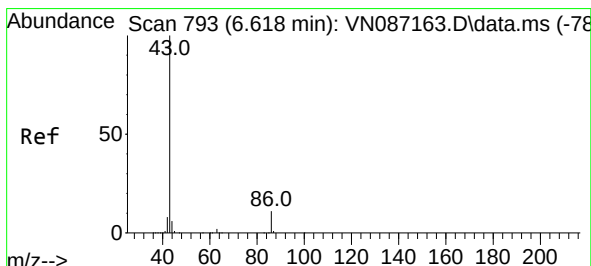
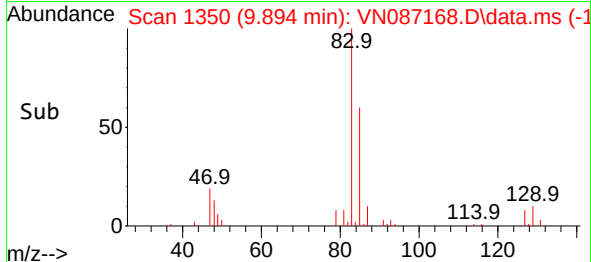
Manual Integrations
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Reviewed By :John
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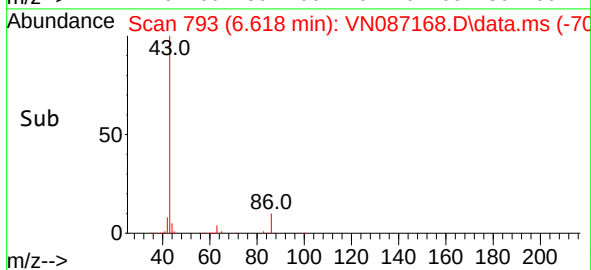
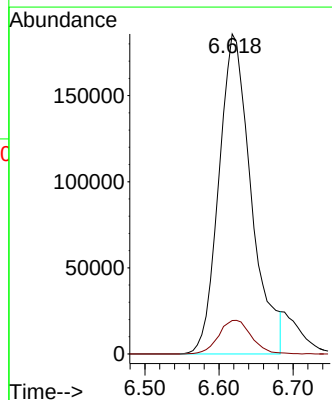
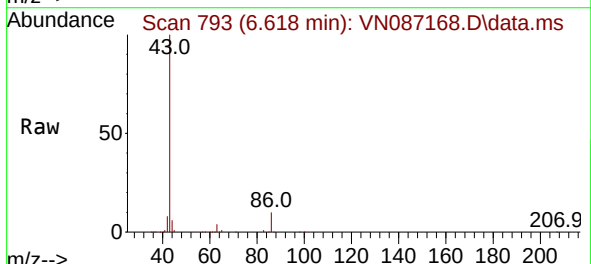
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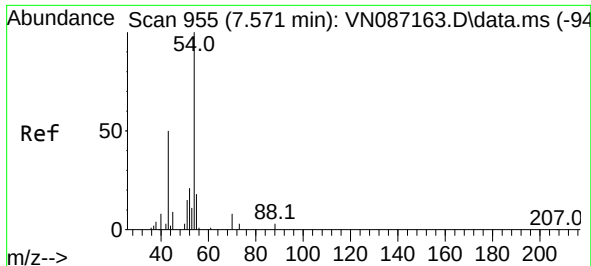
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#42
Vinyl Acetate
Concen: 84.264 ug/l
RT: 6.618 min Scan# 793
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

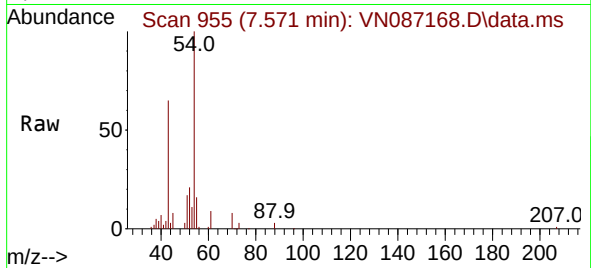
Tgt Ion: 43 Resp: 564048
Ion Ratio Lower Upper
43 100
86 10.6 7.7 11.5





#43
Ethyl Acetate
Concen: 20.721 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

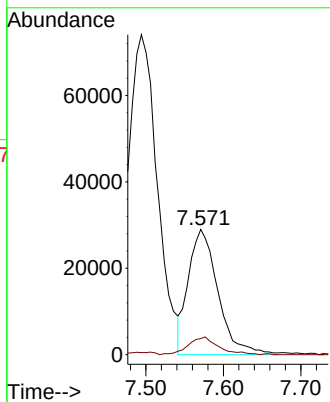
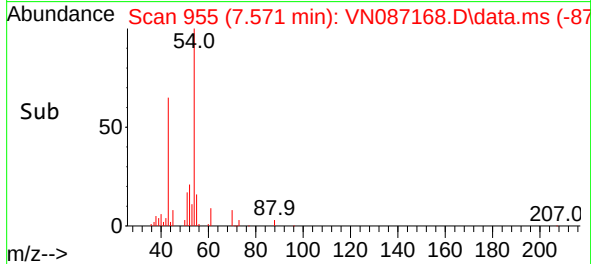
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525



Tgt Ion: 43 Resp: 7698
Ion Ratio Lower Upper
43 100
45 13.6 11.5 17.3

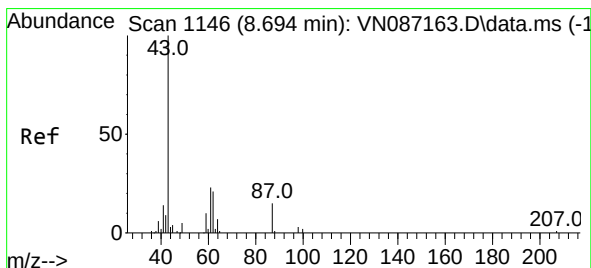
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Reviewed By :John
Carlone

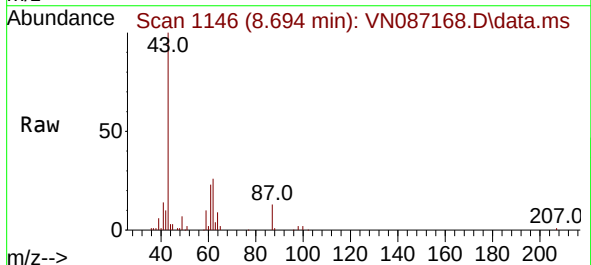


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Supervised By :Mahesh
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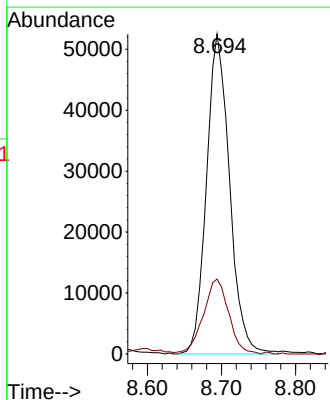
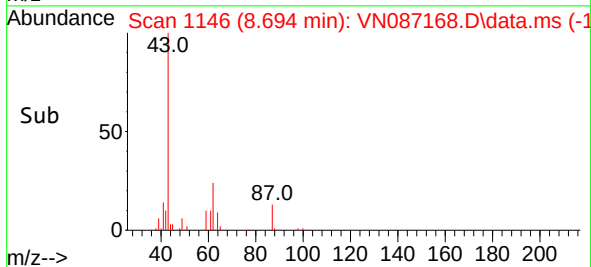
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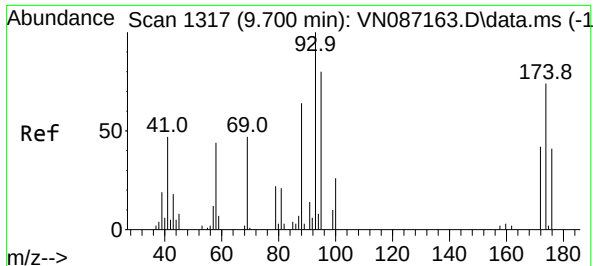


#44
Isopropyl Acetate
Concen: 18.746 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08



Tgt Ion: 43 Resp: 113470
Ion Ratio Lower Upper
43 100
61 25.7 20.5 30.7





#45

1,4-Dioxane

Concen: 435.392 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VN087168.D

Acq: 25 Jun 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062525

Tgt Ion: 88 Resp: 1782

Ion Ratio Lower Upper

88 100

43 27.7 21.3 31.9

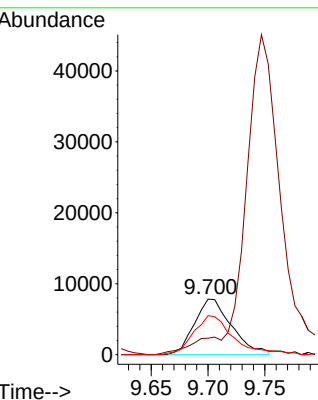
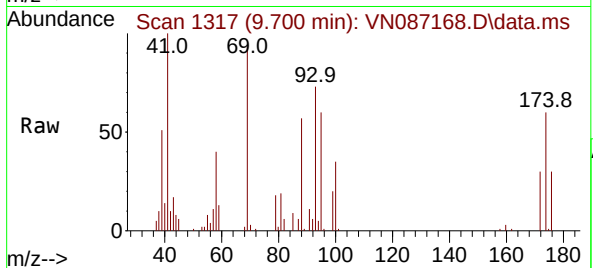
58 74.9 61.7 92.5

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Reviewed By :John

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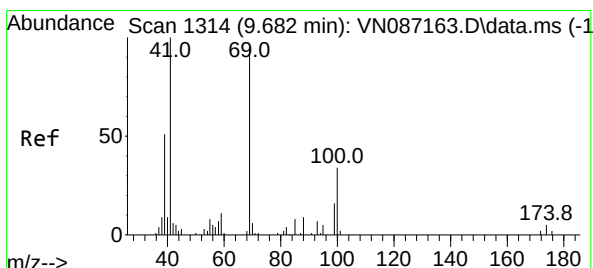
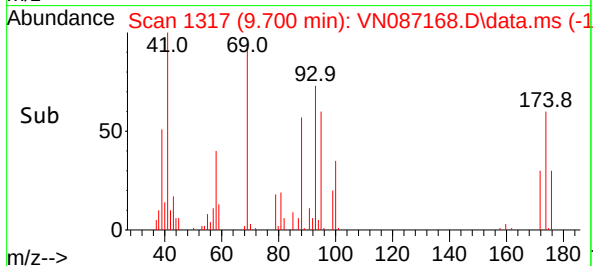


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#46

Methyl methacrylate

Concen: 18.970 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.000 min

Lab File: VN087168.D

Acq: 25 Jun 2025 11:08

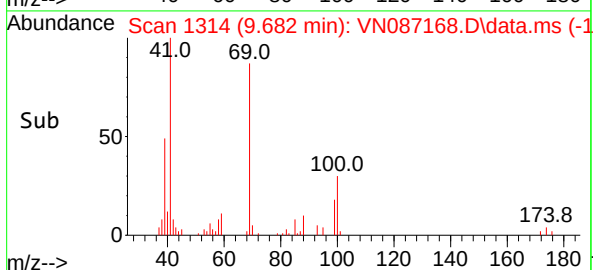
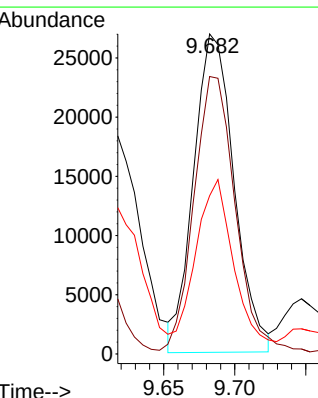
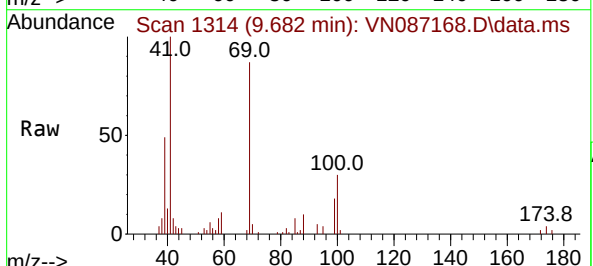
Tgt Ion: 41 Resp: 53380

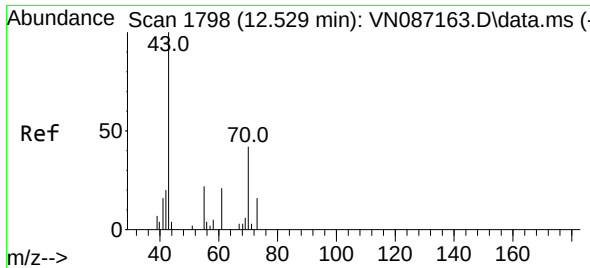
Ion Ratio Lower Upper

41 100

69 89.3 45.6 136.9

39 48.1 26.2 78.5





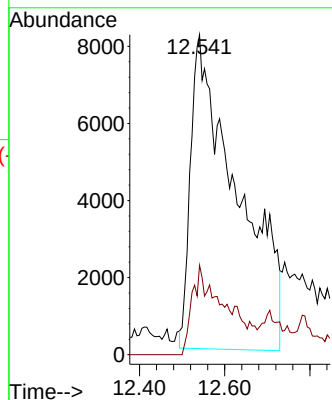
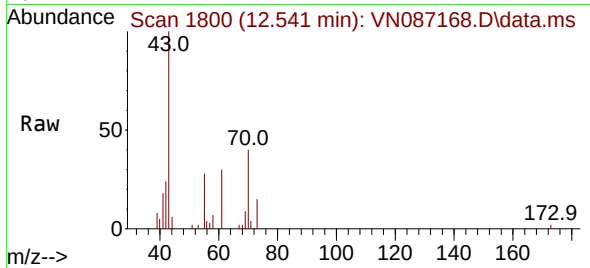
#47
n-amyl acetate
Concen: 16.625 ug/l m
RT: 12.541 min Scan# 1800
Delta R.T. 0.012 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

Tgt Ion: 43 Resp: 6152
Ion Ratio Lower Upper
43 100
55 1.8 0.0 0.0

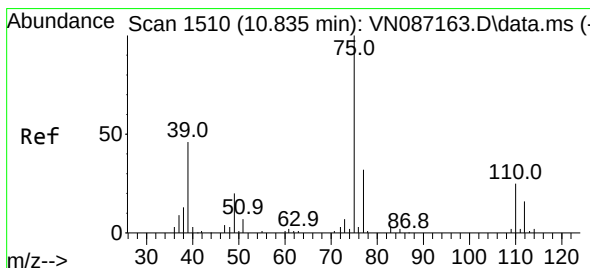
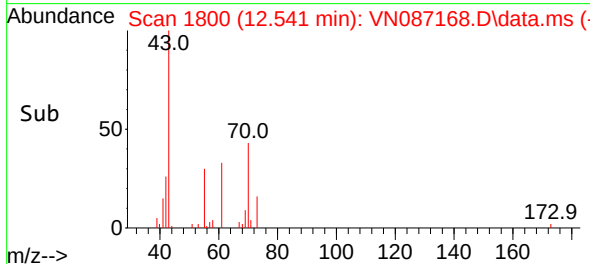
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Reviewed By :John
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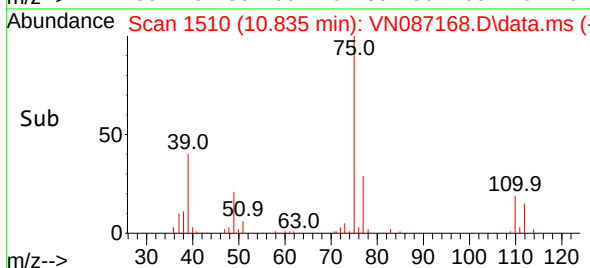
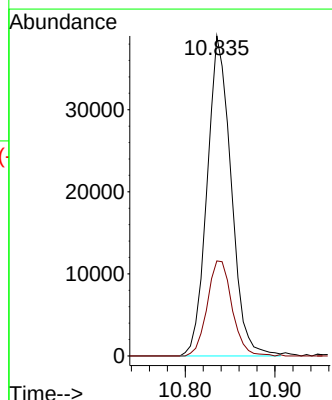
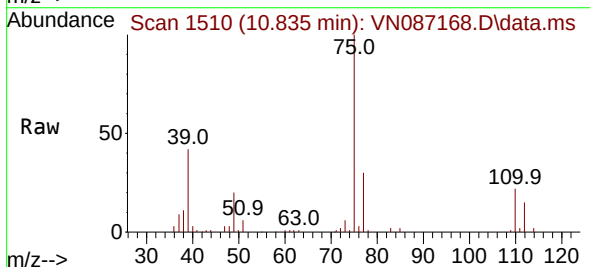
06/25/2025
Supervised By :Mahesh
Dadoda

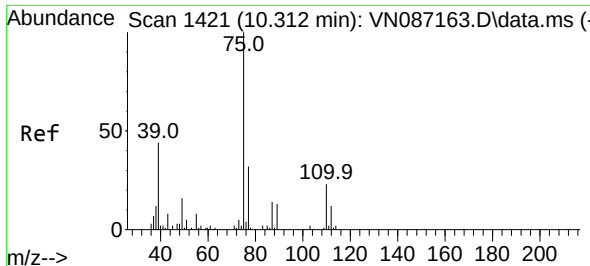
06/26/2025



#48
t-1,3-Dichloropropene
Concen: 19.532 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

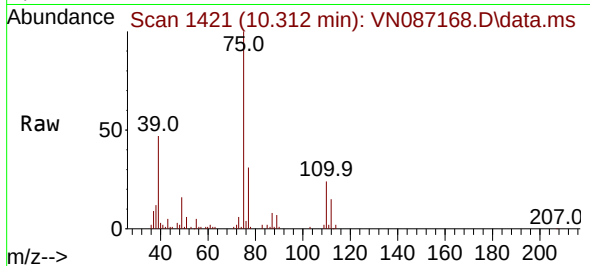
Tgt Ion: 75 Resp: 72502
Ion Ratio Lower Upper
75 100
77 29.7 25.4 38.0





#49
cis-1,3-Dichloropropene
Concen: 19.457 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

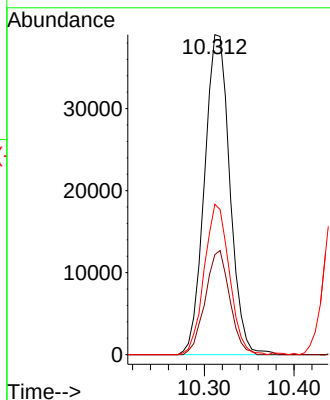
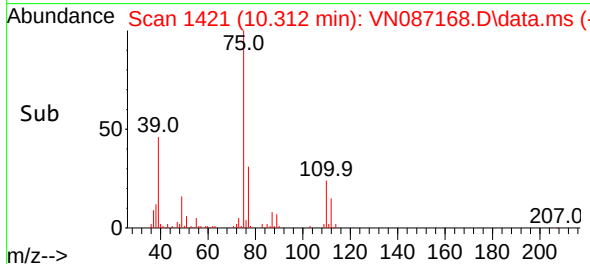
Instrument : MSVOA_N
ClientSampleId : ICVVN062525



Tgt Ion: 75 Resp: 76780
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2
39 47.0 35.3 52.9

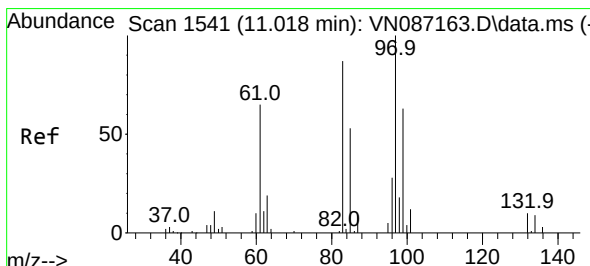
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Reviewed By :John
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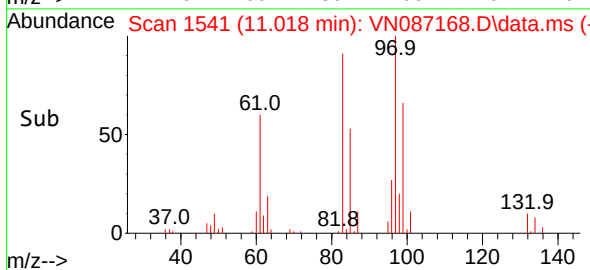
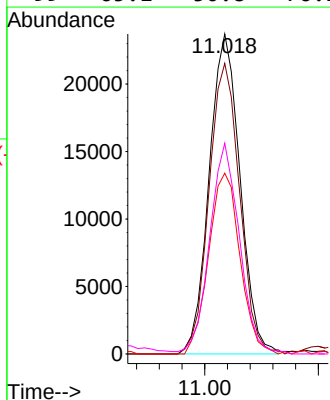
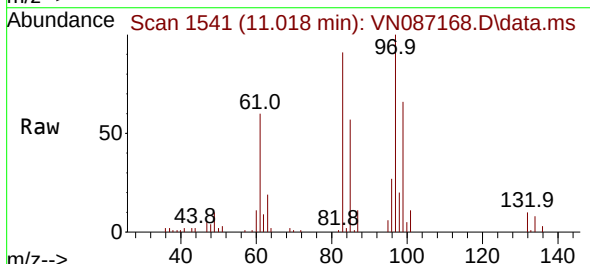
06/25/2025
Supervised By :Mahesh
Dadoda

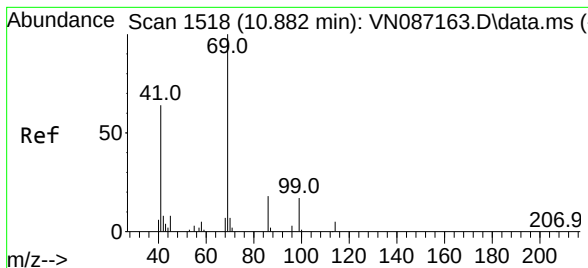
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#50
1,1,2-Trichloroethane
Concen: 19.079 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

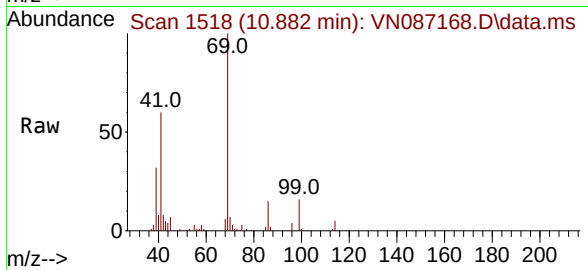
Tgt Ion: 97 Resp: 44707
Ion Ratio Lower Upper
97 100
83 90.8 69.6 104.4
85 56.5 42.0 63.0
99 65.1 50.8 76.2





#51
Ethyl methacrylate
Concen: 18.768 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

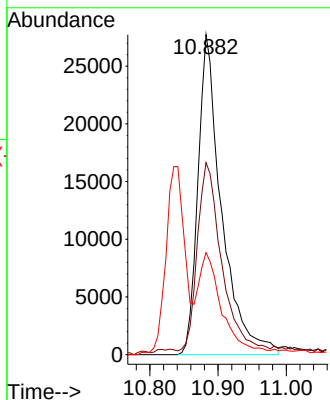
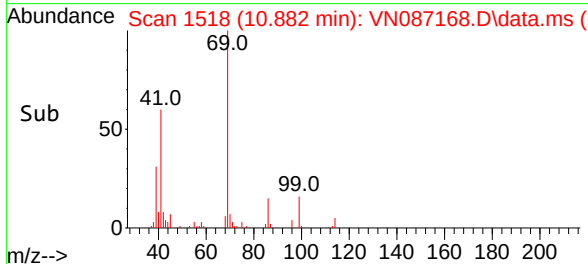
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525



Tgt Ion: 69 Resp: 6693
Ion Ratio Lower Upper
69 100
41 58.8 31.8 95.3
39 30.6 15.3 45.8

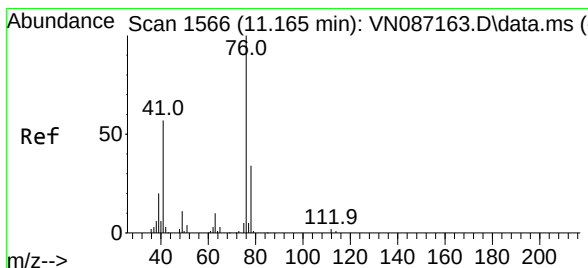
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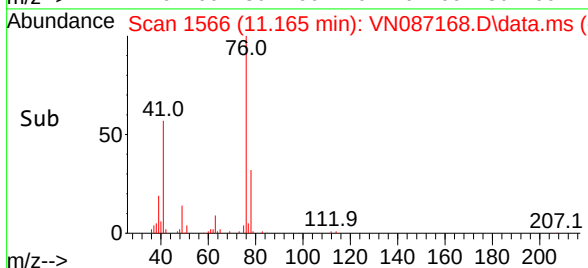
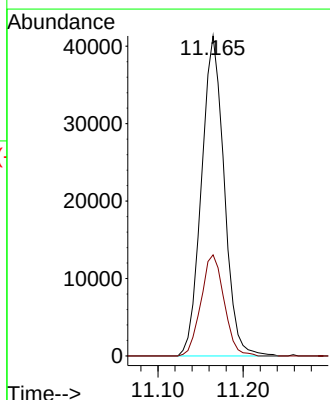
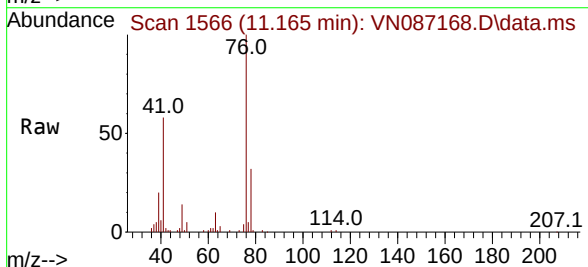
06/25/2025
Supervised By :Mahesh
Dadoda

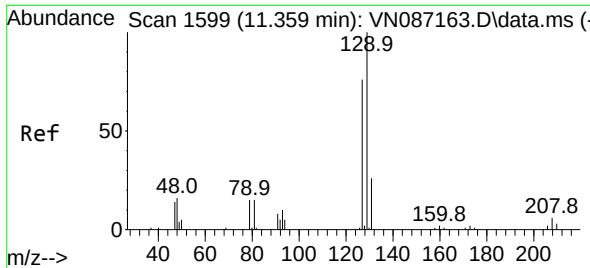
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#52
1,3-Dichloropropane
Concen: 19.027 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Tgt Ion: 76 Resp: 76546
Ion Ratio Lower Upper
76 100
78 32.1 0.0 63.0





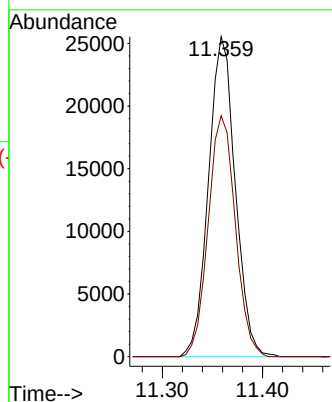
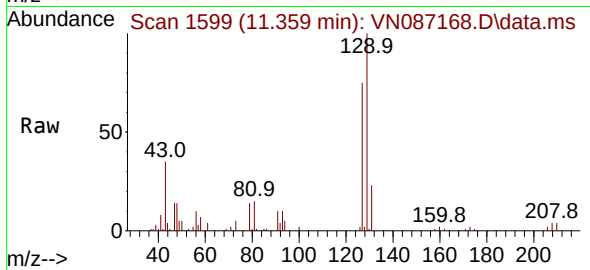
#53
Dibromochloromethane
Concen: 19.262 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

Tgt Ion:129 Resp: 47380
Ion Ratio Lower Upper
129 100
127 76.2 39.6 118.8

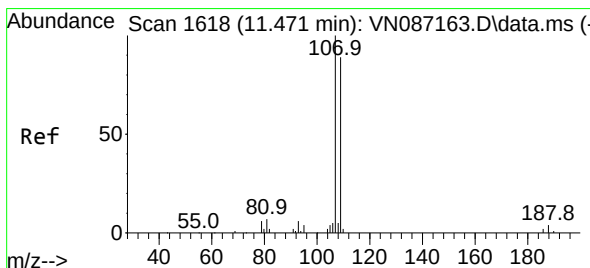
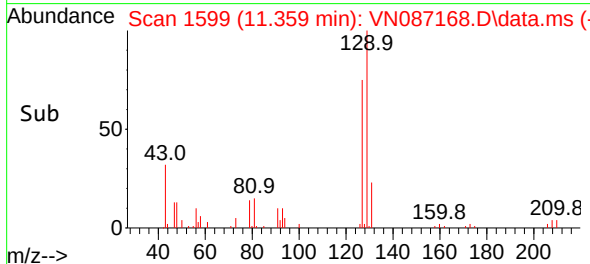
Manual Integrations
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Reviewed By :John
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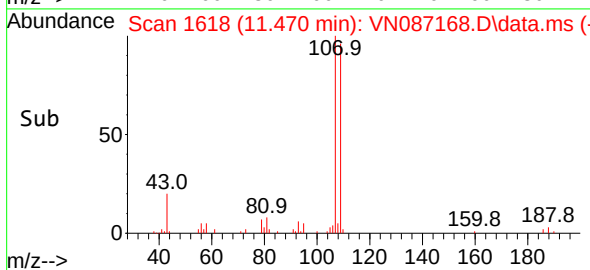
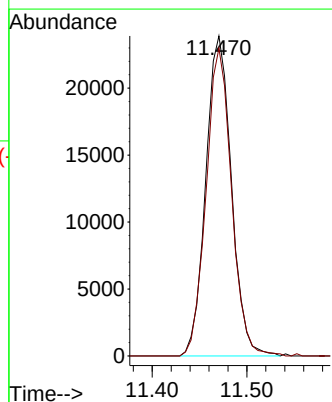
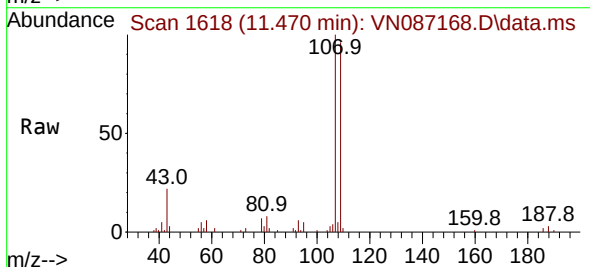
06/25/2025
Supervised By :Mahesh
Dadoda

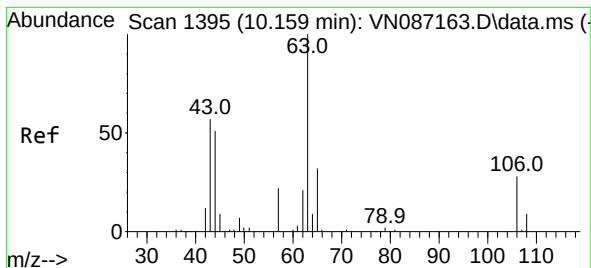
06/26/2025



#54
1,2-Dibromoethane
Concen: 18.656 ug/l
RT: 11.470 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

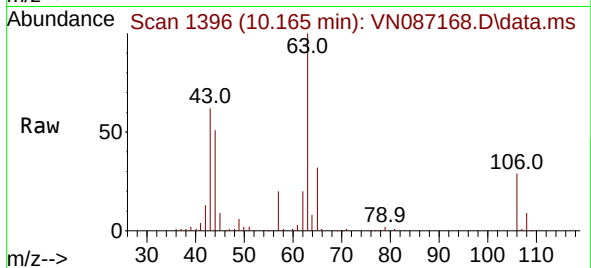
Tgt Ion:107 Resp: 45103
Ion Ratio Lower Upper
107 100
109 95.1 73.5 110.3





#55
2-Chloroethyl vinyl ether
Concen: 90.312 ug/l
RT: 10.165 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

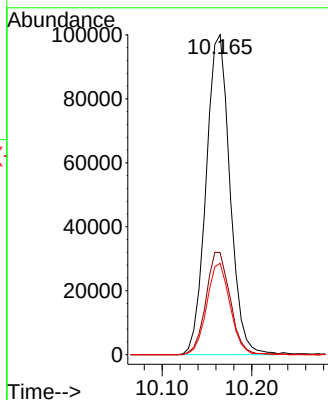
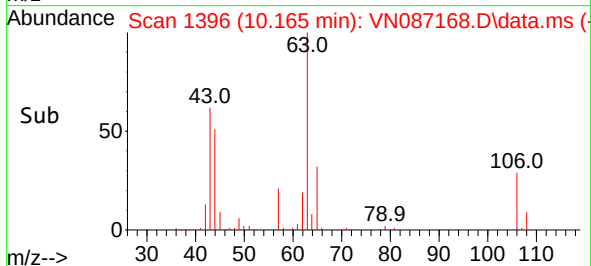
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525



Tgt Ion: 63 Resp: 184630
Ion Ratio Lower Upper
63 100
65 32.4 25.6 38.4
106 27.8 21.9 32.9

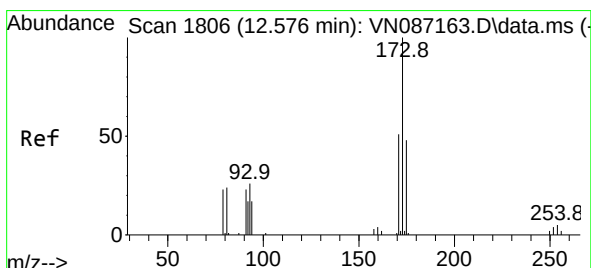
Manual Integrations
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Reviewed By :John
Carlone



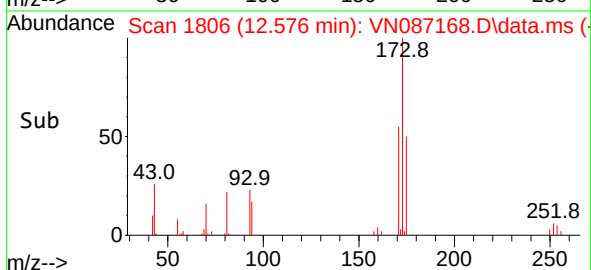
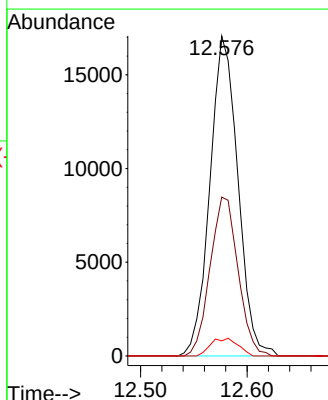
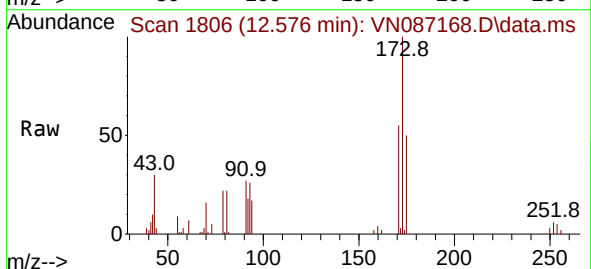
06/25/2025
Supervised By :Mahesh
Dadoda

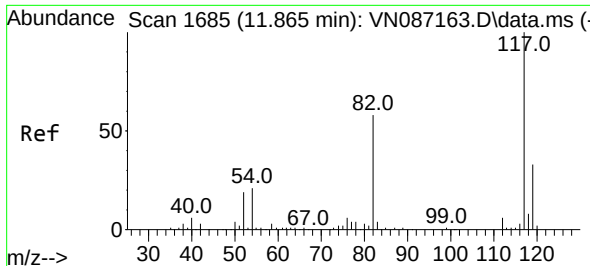
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#56
Bromoform
Concen: 18.410 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

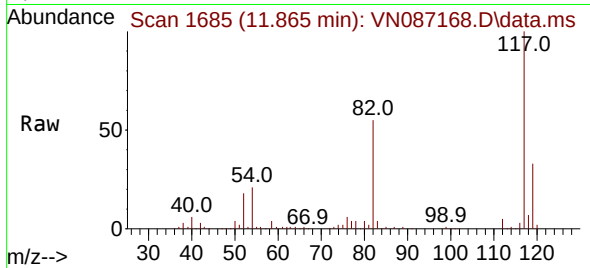
Tgt Ion:173 Resp: 31131
Ion Ratio Lower Upper
173 100
175 49.5 38.7 58.1
254 5.4 4.2 6.4





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

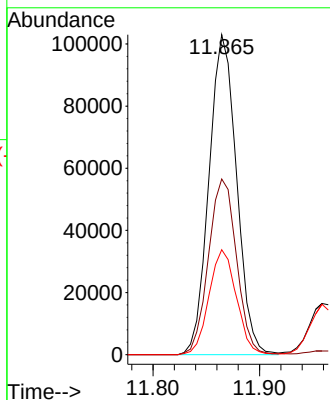
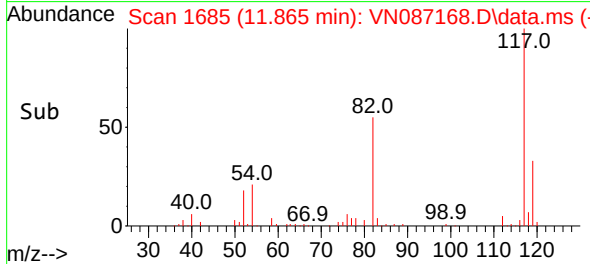
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525



Tgt Ion:117 Resp: 18522
Ion Ratio Lower Upper
117 100
82 55.8 45.4 68.2
119 32.6 26.2 39.4

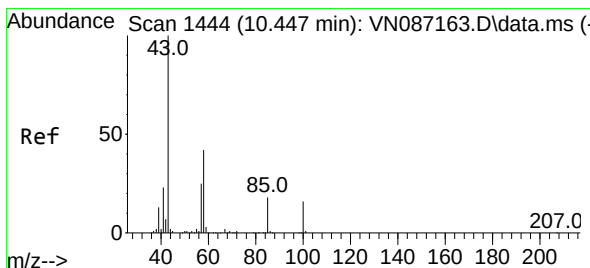
Manual Integrations
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Reviewed By :John
Carlone



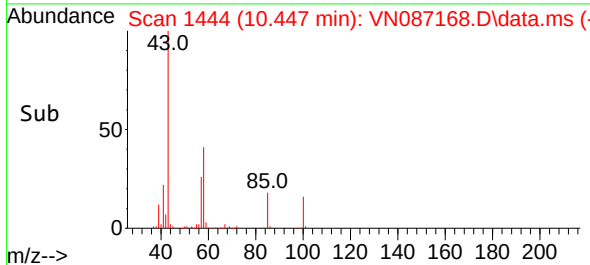
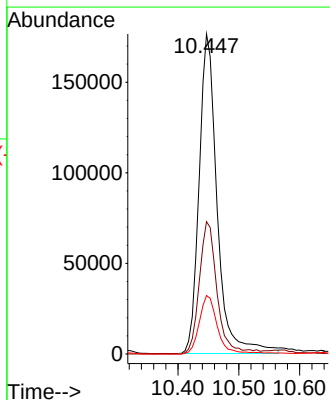
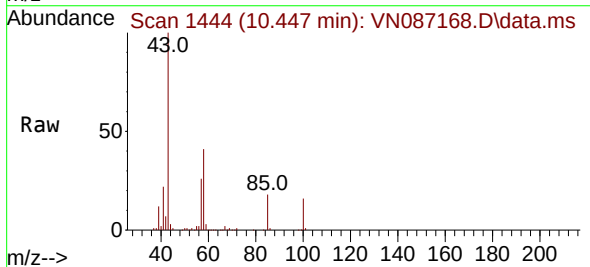
06/25/2025
Supervised By :Mahesh
Dadoda

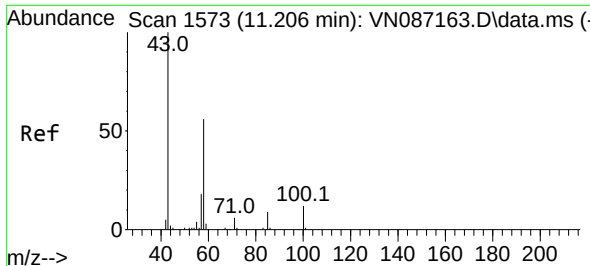
06/26/2025



#58
4-Methyl-2-Pentanone
Concen: 97.791 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

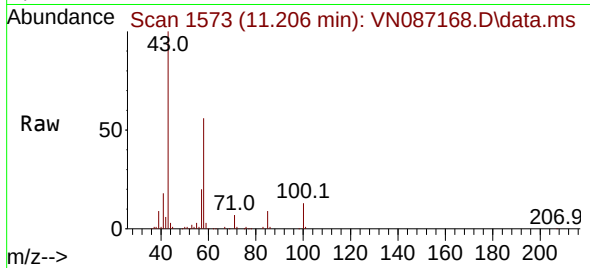
Tgt Ion: 43 Resp: 364138
Ion Ratio Lower Upper
43 100
58 39.9 32.6 49.0
85 18.0 14.6 22.0





#59
2-Hexanone
Concen: 87.081 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument : MSVOA_N
ClientSampleId : ICVVN062525

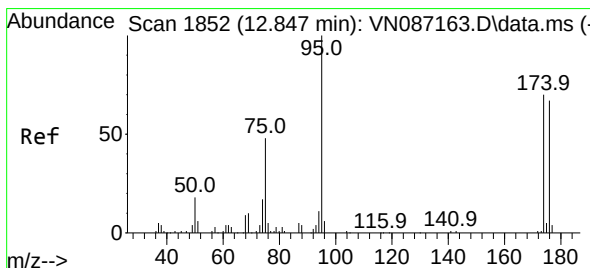
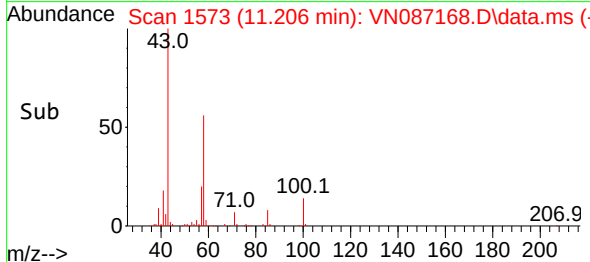
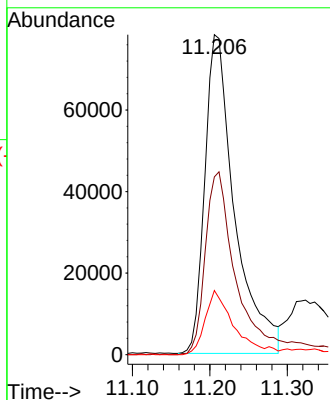


Tgt Ion: 43 Resp: 20938
Ion Ratio Lower Upper
43 100
58 58.3 49.2 73.8
57 18.8 15.3 22.9

Manual Integrations
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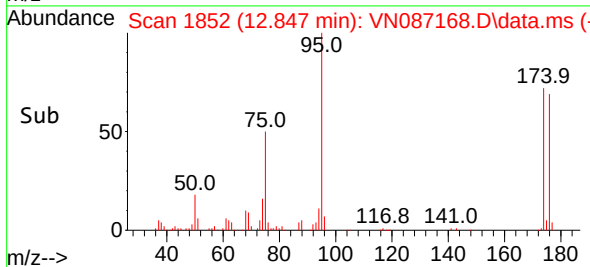
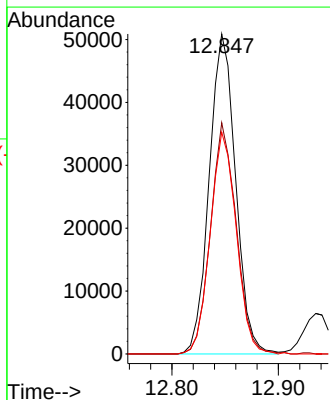
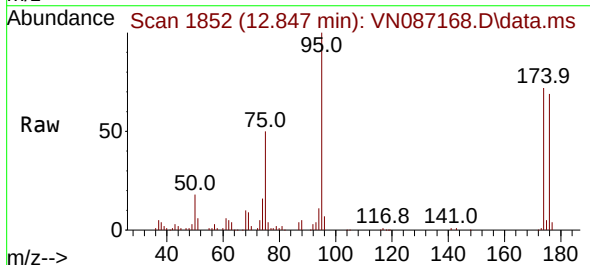
Reviewed By :John
Carlone
06/25/2025

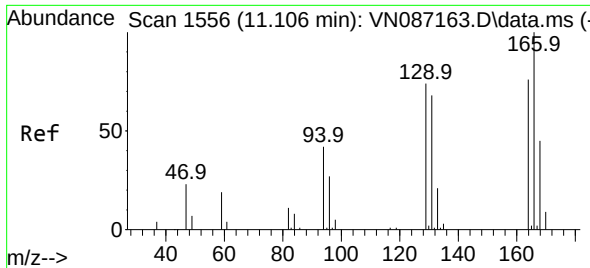
Supervised By :Mahesh
Dadoda
06/26/2025



#60
4-Bromofluorobenzene
Concen: 30.636 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

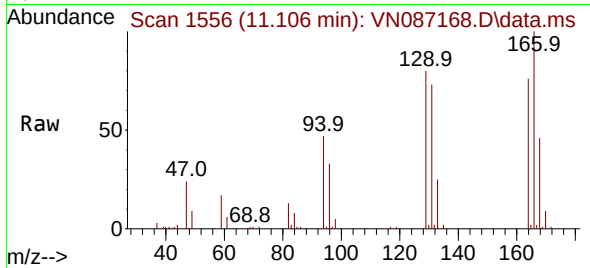
Tgt Ion: 95 Resp: 87563
Ion Ratio Lower Upper
95 100
174 70.6 54.5 81.7
176 68.4 51.9 77.9





#61
Tetrachloroethene
Concen: 18.451 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument : MSVOA_N
ClientSampleId : ICVVN062525

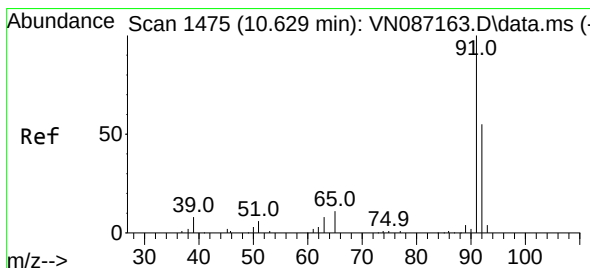
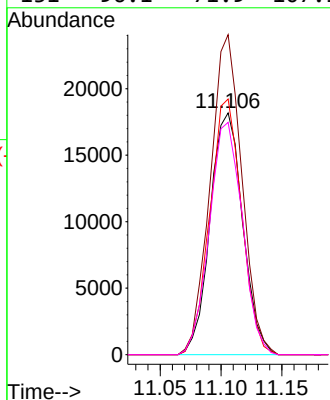


Tgt Ion:164 Resp: 3384
Ion Ratio Lower Upper
164 100
166 132.3 105.4 158.2
129 105.7 77.9 116.9
131 96.1 71.9 107.9

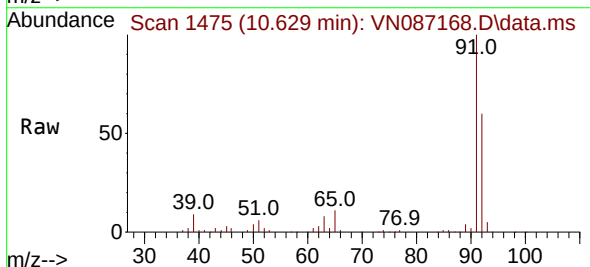
Manual Integrations
APPROVED

Reviewed By :John
Carlone
06/25/2025

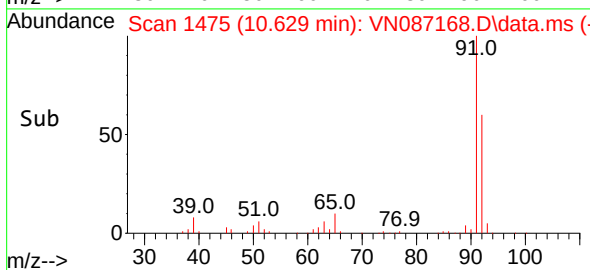
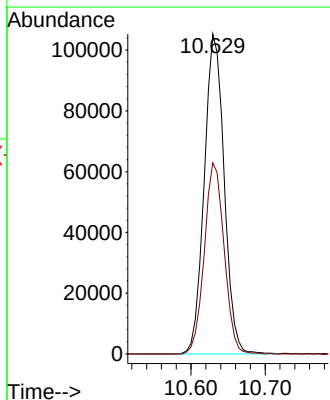
Supervised By :Mahesh
Dadoda
06/26/2025

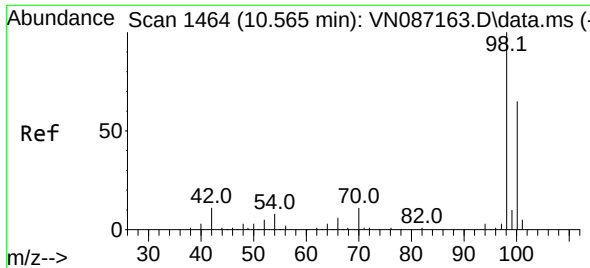


#62
Toluene
Concen: 18.821 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08



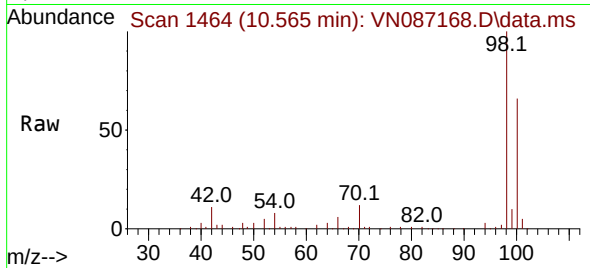
Tgt Ion: 91 Resp: 196885
Ion Ratio Lower Upper
91 100
92 59.3 45.8 68.8





#63
Toluene-d8
Concen: 30.485 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

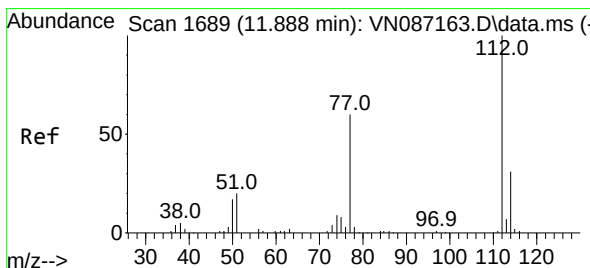
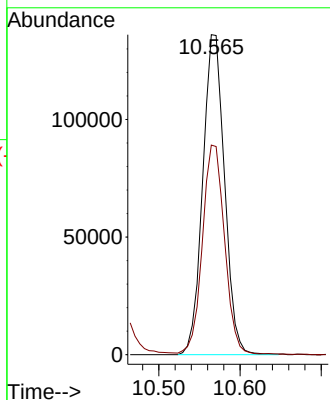
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525



Tgt Ion: 98 Resp: 253524
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7

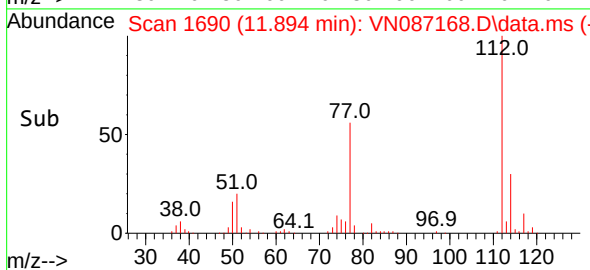
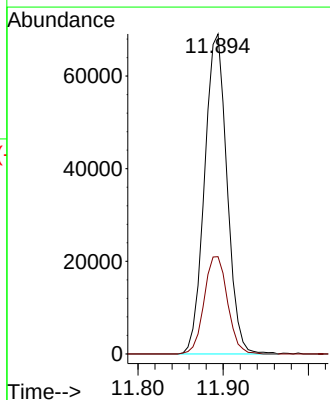
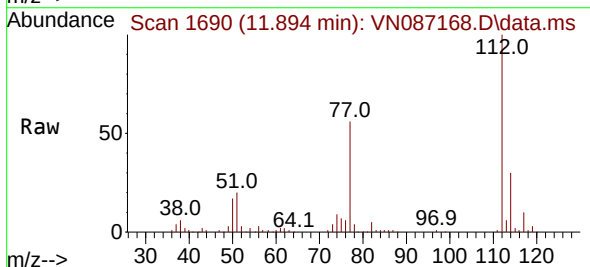
Manual Integrations
APPROVED

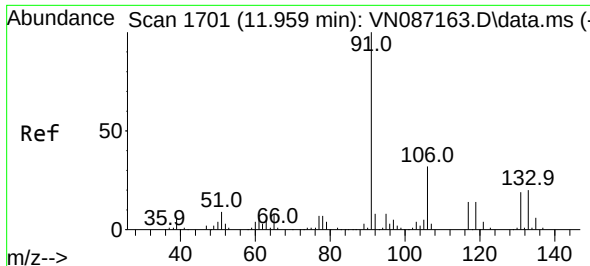
Reviewed By :John
Carlone
06/25/2025
Supervised By :Mahesh
Dadoda
06/26/2025



#64
Chlorobenzene
Concen: 18.982 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

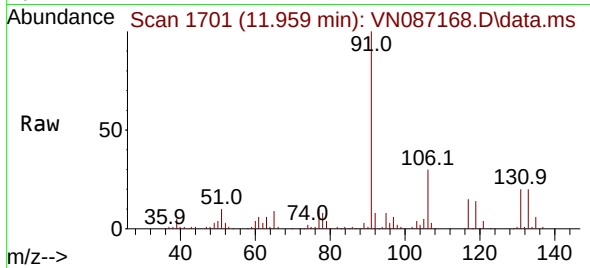
Tgt Ion:112 Resp: 126668
Ion Ratio Lower Upper
112 100
114 30.4 25.0 37.4





#65
1,1,1,2-Tetrachloroethane
Concen: 18.969 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
ICVNVN062525

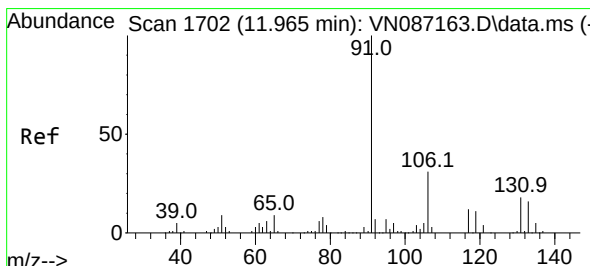
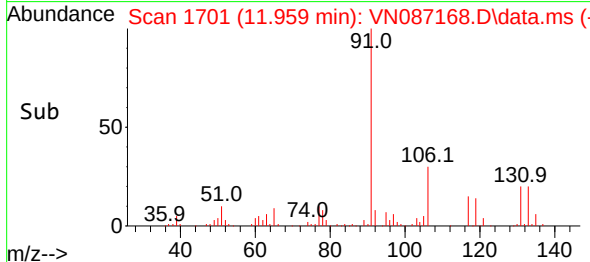
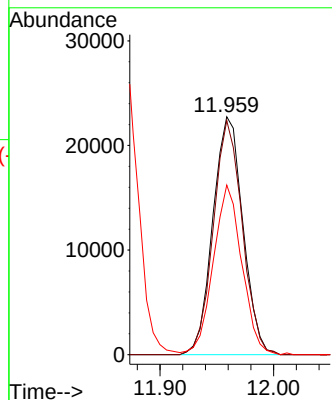


Tgt Ion:131 Resp: 4182
Ion Ratio Lower Upper
131 100
133 94.8 0.0 187.8
119 67.8 0.0 140.0

Manual Integrations
APPROVED

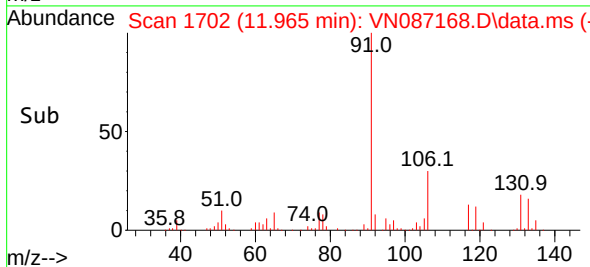
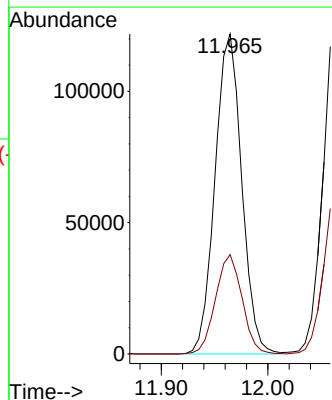
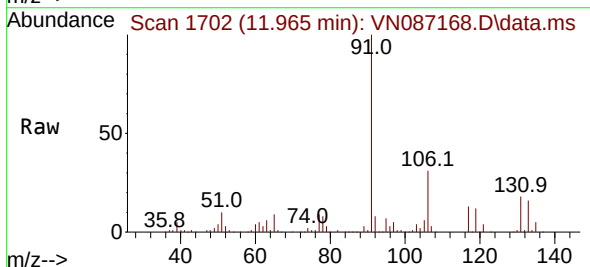
Reviewed By :John
Carlone
06/25/2025

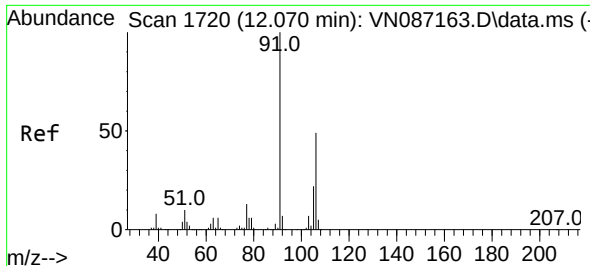
Supervised By :Mahesh
Dadoda
06/26/2025



#66
Ethyl Benzene
Concen: 18.514 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

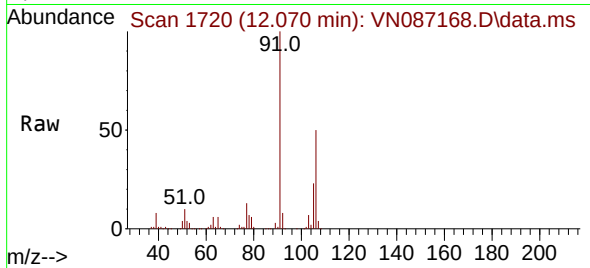
Tgt Ion: 91 Resp: 211991
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2





#67
m/p-Xylenes
Concen: 37.473 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

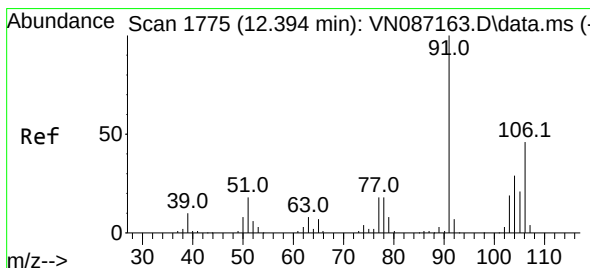
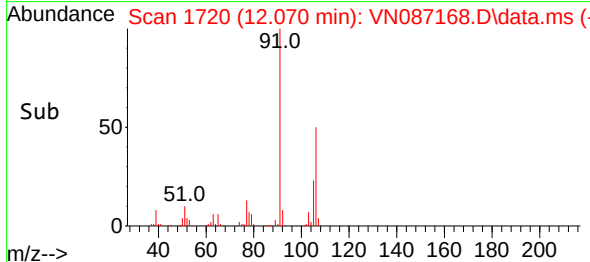
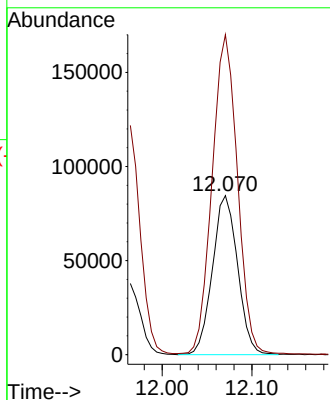
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525



Tgt Ion:106 Resp: 16442
Ion Ratio Lower Upper
106 100
91 202.0 163.0 244.4

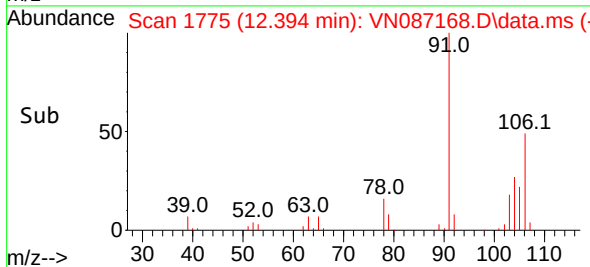
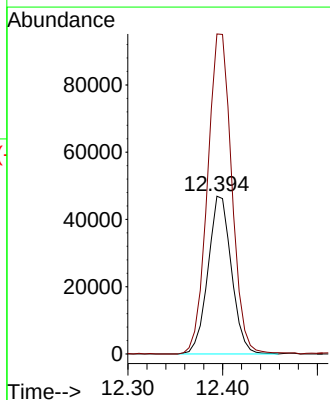
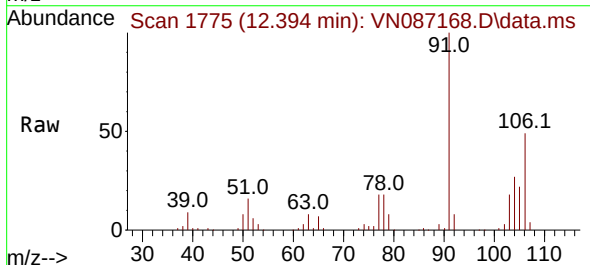
Manual Integrations
APPROVED

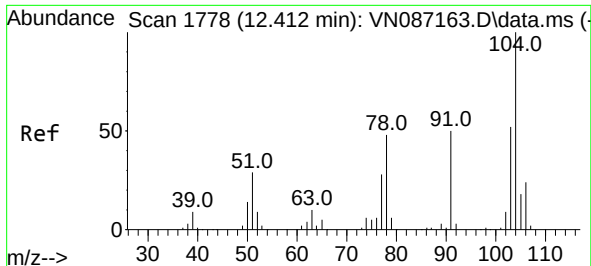
Reviewed By :John
Carlone
06/25/2025
Supervised By :Mahesh
Dadoda
06/26/2025



#68
o-Xylene
Concen: 19.277 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

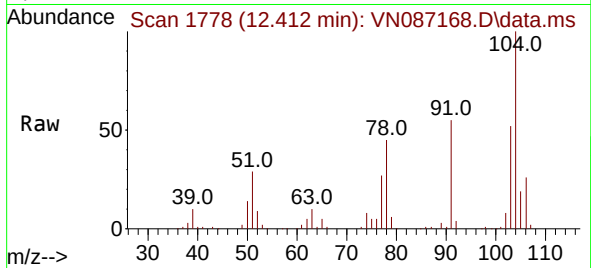
Tgt Ion:106 Resp: 80694
Ion Ratio Lower Upper
106 100
91 209.9 107.1 321.1





#69
Styrene
Concen: 18.596 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

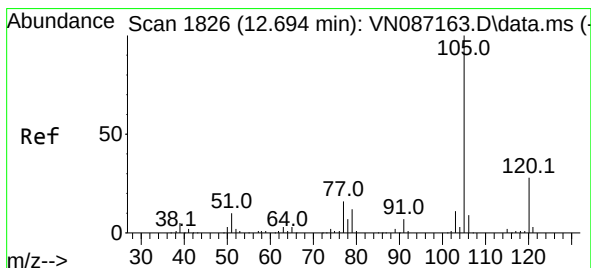
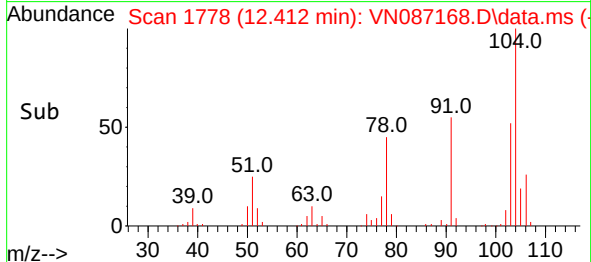
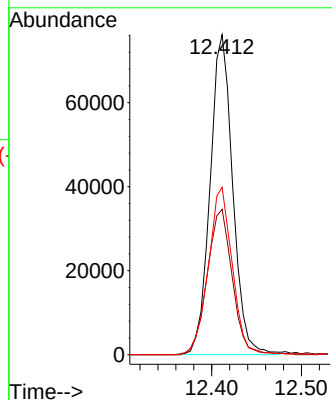


Tgt Ion:104 Resp: 133644
Ion Ratio Lower Upper
104 100
78 50.3 39.8 59.8
103 55.3 44.2 66.4

Manual Integrations
APPROVED

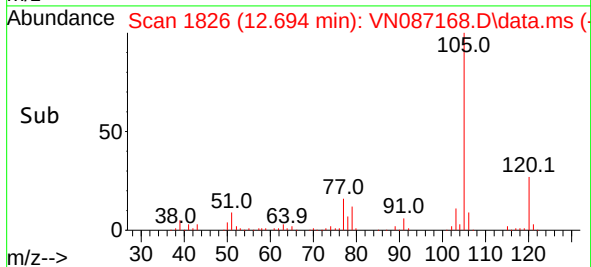
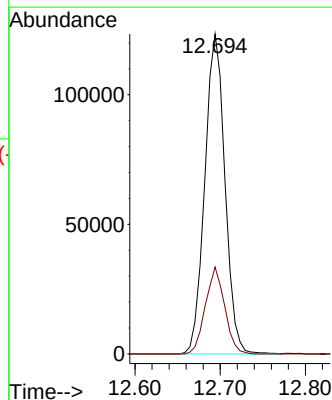
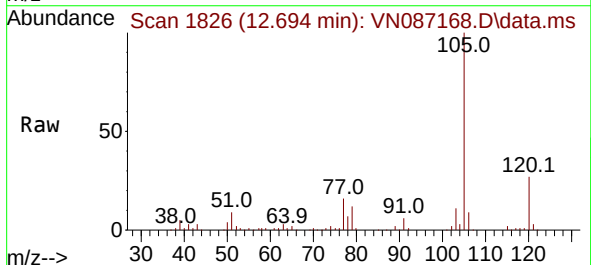
Reviewed By :John
Carlone
06/25/2025

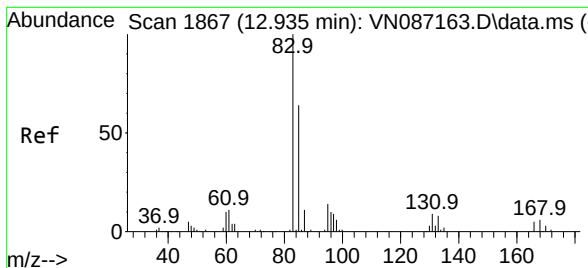
Supervised By :Mahesh
Dadoda
06/26/2025



#70
Isopropylbenzene
Concen: 19.473 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

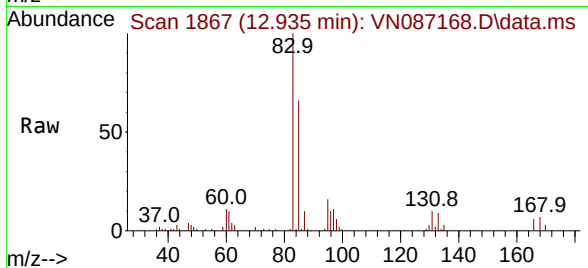
Tgt Ion:105 Resp: 203011
Ion Ratio Lower Upper
105 100
120 25.9 19.0 35.2





#71
1,1,2,2-Tetrachloroethane
Concen: 19.266 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument : MSVOA_N
ClientSampleId : ICVVN062525

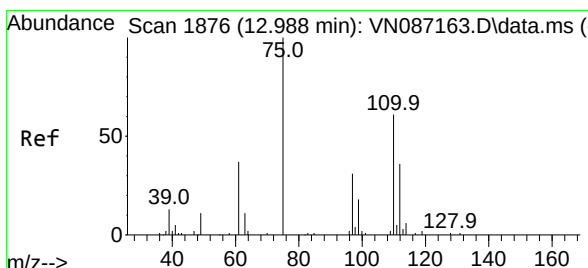
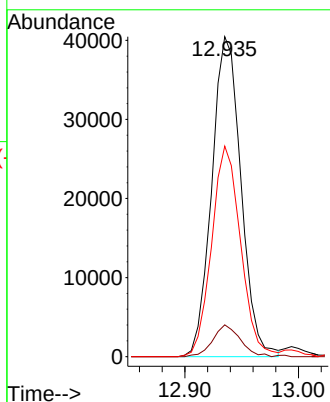
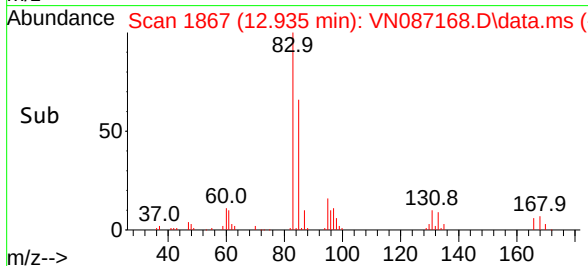


Tgt Ion: 83 Resp: 7229
Ion Ratio Lower Upper
83 100
131 9.3 4.5 13.4
85 65.2 31.3 93.9

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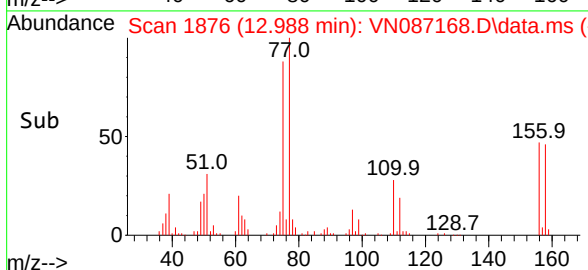
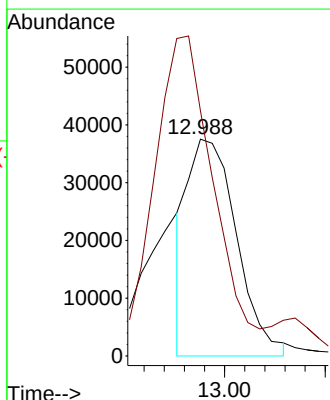
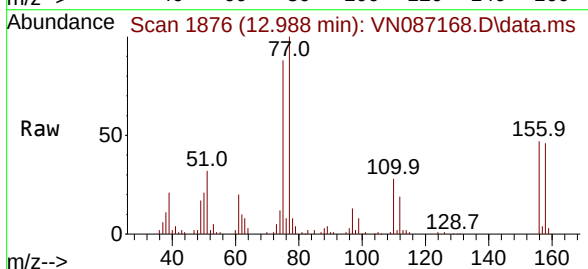
Reviewed By :John
Carlone
06/25/2025

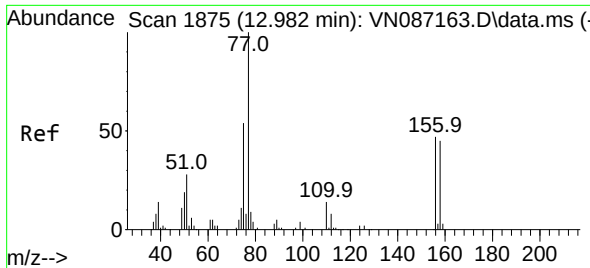
Supervised By :Mahesh
Dadoda
06/26/2025



#72
1,2,3-Trichloropropane
Concen: 19.651 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

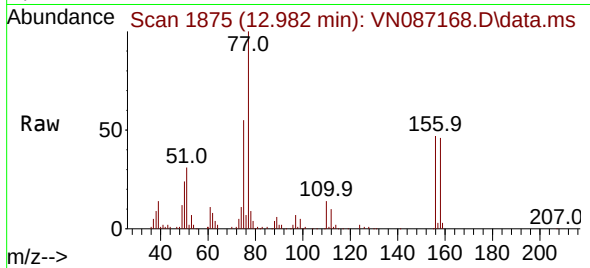
Tgt Ion: 75 Resp: 63592
Ion Ratio Lower Upper
75 100
77 180.3 0.0 379.2





#73
Bromobenzene
Concen: 18.701 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

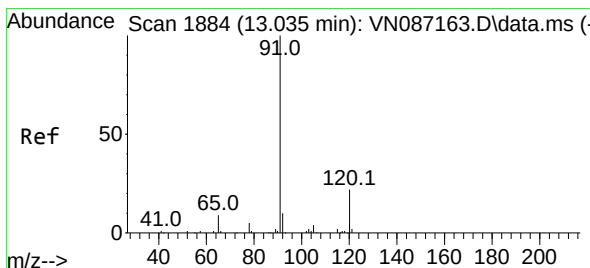
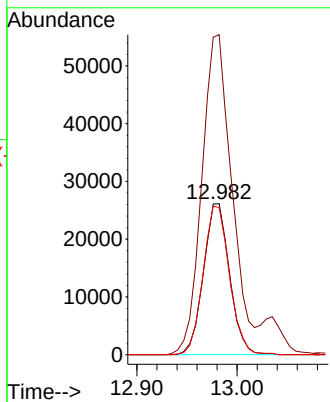
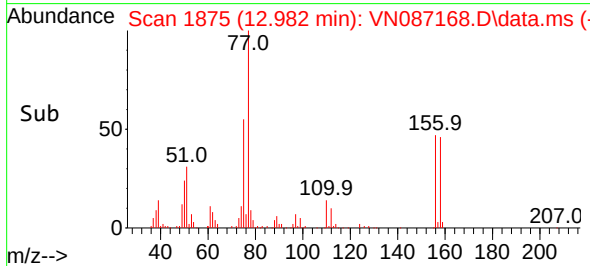


Tgt Ion:156 Resp: 47294
Ion Ratio Lower Upper
156 100
77 242.5 0.0 489.0
158 99.1 0.0 195.2

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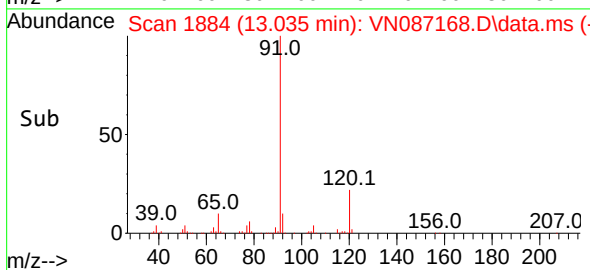
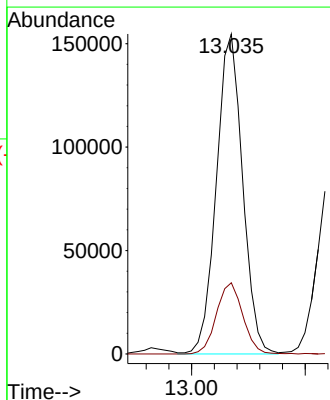
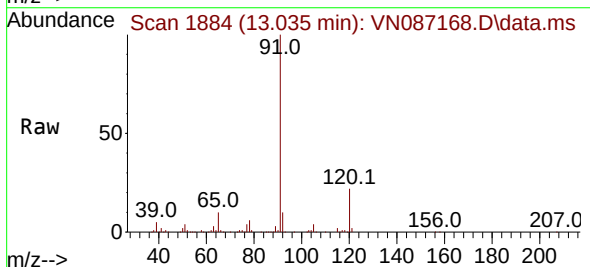
Reviewed By :John
Carlone
06/25/2025

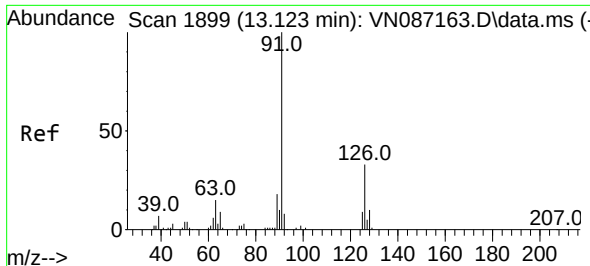
Supervised By :Mahesh
Dadoda
06/26/2025



#74
n-propylbenzene
Concen: 19.471 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Tgt Ion: 91 Resp: 247990
Ion Ratio Lower Upper
91 100
120 22.3 0.0 43.6





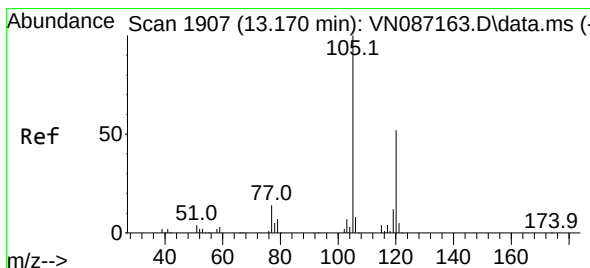
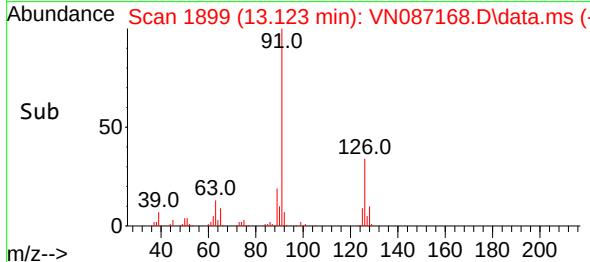
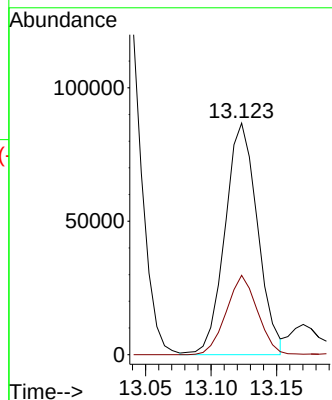
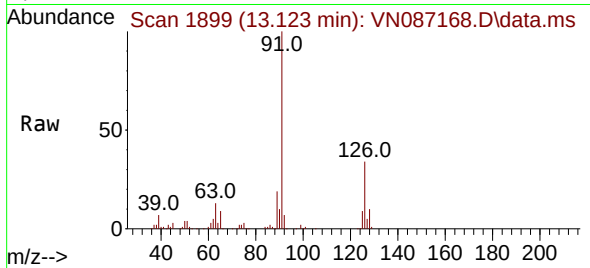
#75
2-Chlorotoluene
Concen: 19.509 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

Tgt Ion: 91 Resp: 15011
Ion Ratio Lower Upper
91 100
126 32.8 0.0 63.8

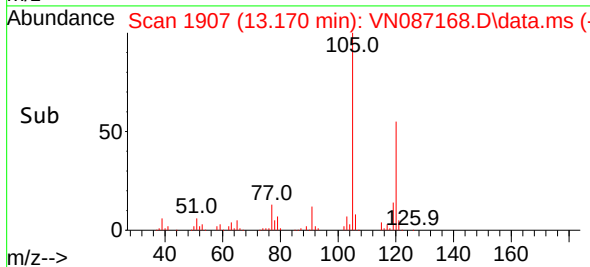
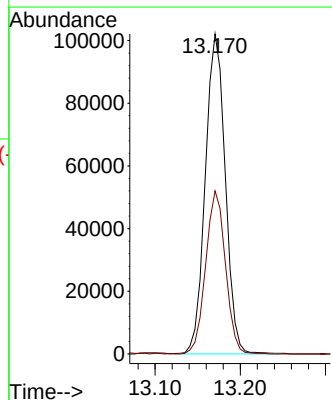
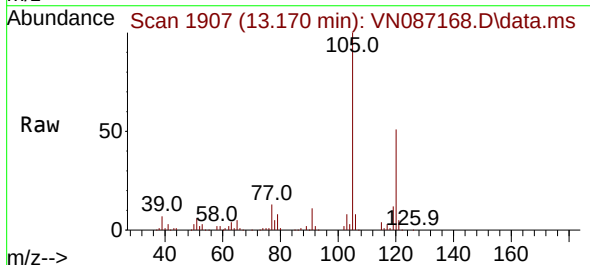
Manual Integrations
APPROVED

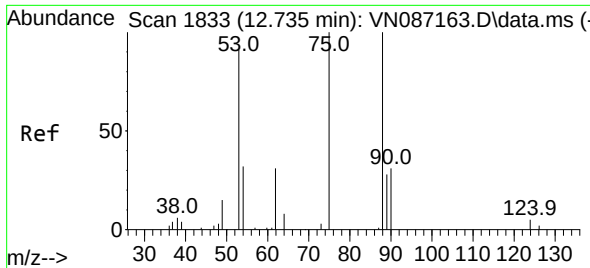
Reviewed By :John
Carlone
06/25/2025
Supervised By :Mahesh
Dadoda
06/26/2025



#76
1,3,5-Trimethylbenzene
Concen: 19.619 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

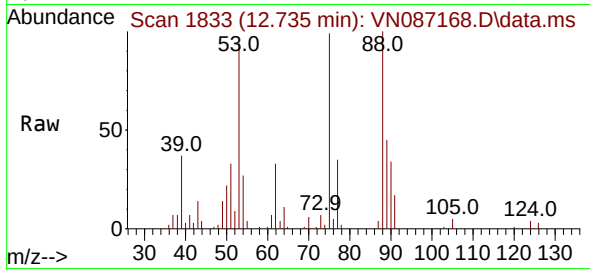
Tgt Ion:105 Resp: 166512
Ion Ratio Lower Upper
105 100
120 50.3 0.0 100.8





#77
t-1,4-Dichloro-2-butene
Concen: 18.914 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

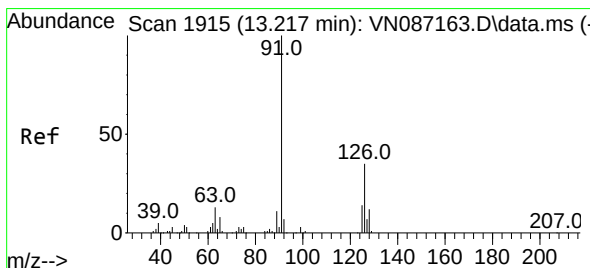
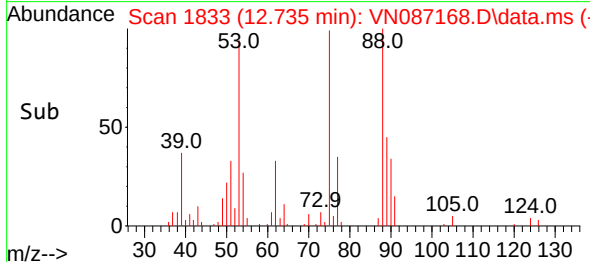
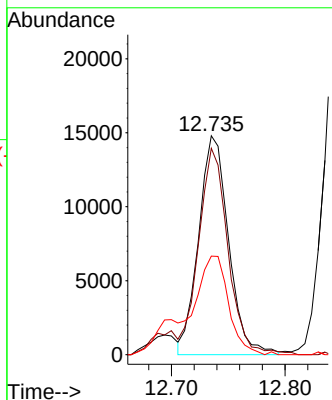


Tgt Ion: 75 Resp: 27150
Ion Ratio Lower Upper
75 100
53 94.1 45.9 137.6
89 45.6 22.3 66.9

Manual Integrations
APPROVED

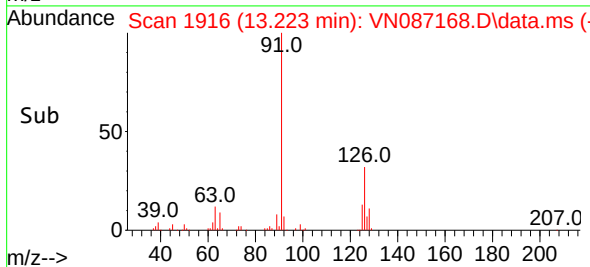
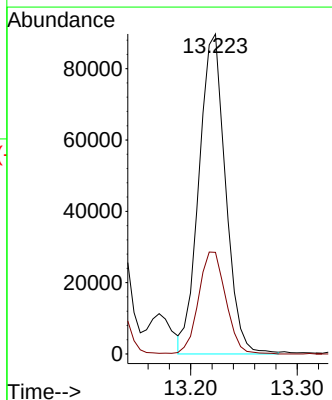
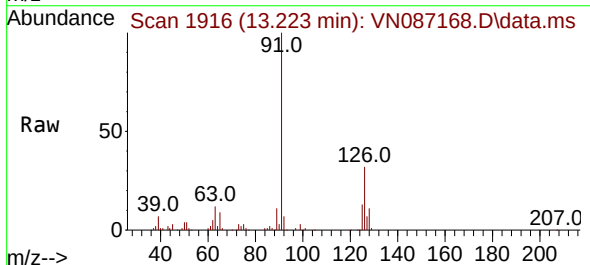
Reviewed By :John
Carlone
06/25/2025

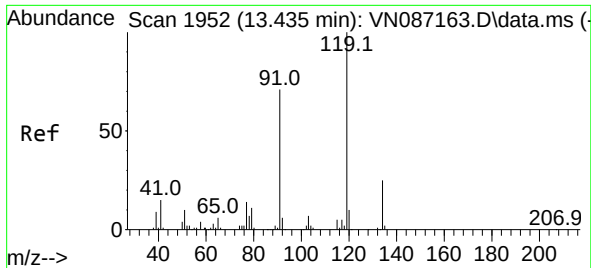
Supervised By :Mahesh
Dadoda
06/26/2025



#78
4-Chlorotoluene
Concen: 19.761 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

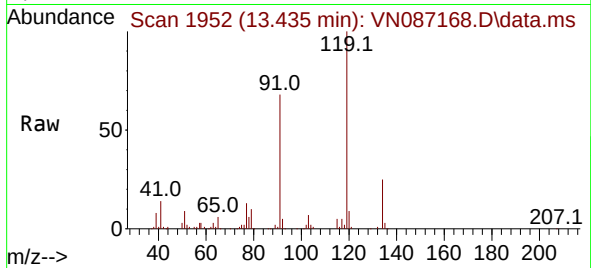
Tgt Ion: 91 Resp: 155736
Ion Ratio Lower Upper
91 100
126 32.5 0.0 65.2





#79
tert-butylbenzene
Concen: 19.556 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument : MSVOA_N
ClientSampleId : ICVVN062525

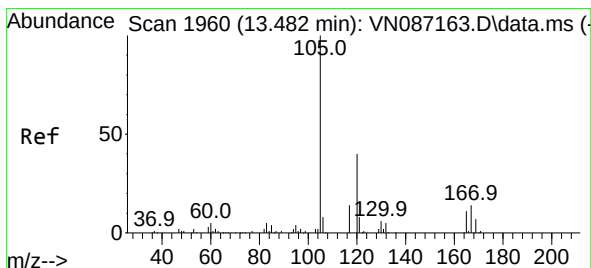
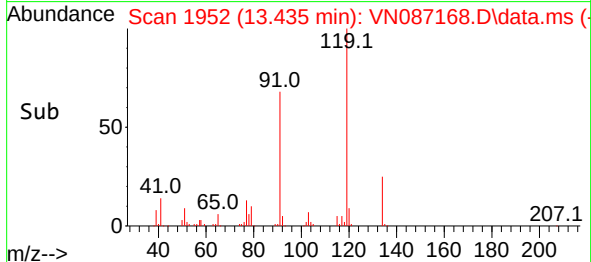
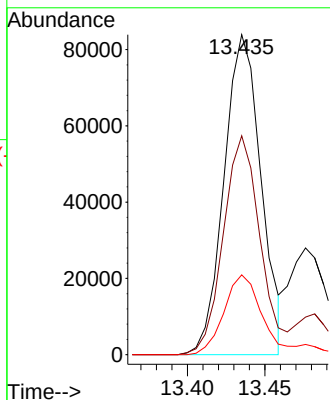


Tgt Ion:119 Resp: 139520
Ion Ratio Lower Upper
119 100
91 68.1 0.0 137.0
134 25.5 0.0 49.4

Manual Integrations
APPROVED

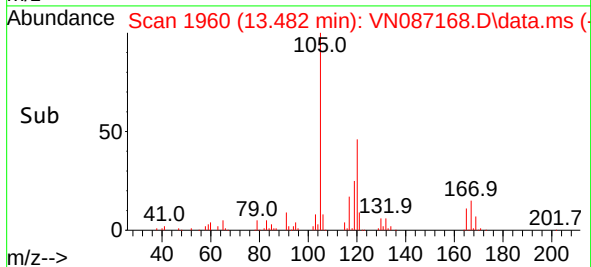
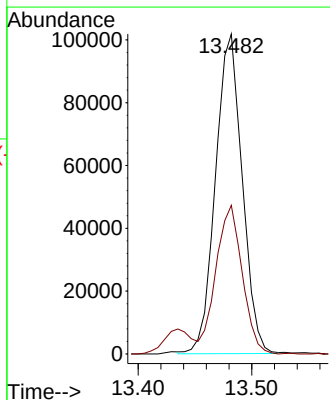
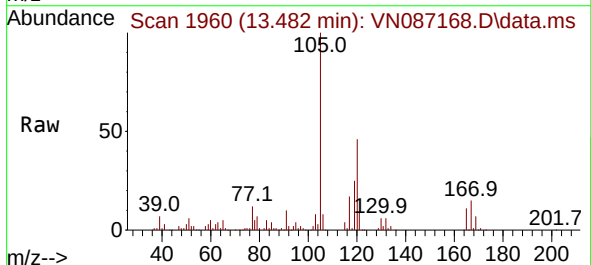
Reviewed By :John
Carlone
06/25/2025

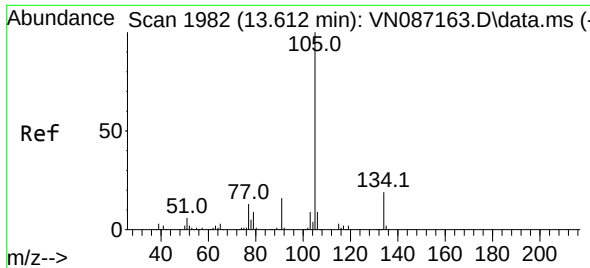
Supervised By :Mahesh
Dadoda
06/26/2025



#80
1,2,4-Trimethylbenzene
Concen: 19.523 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

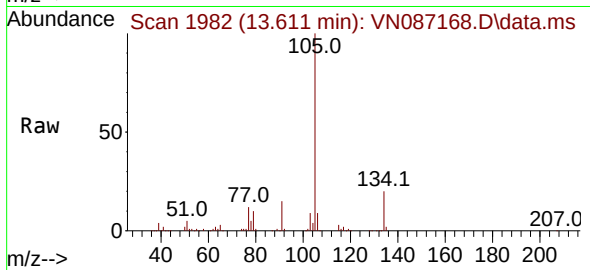
Tgt Ion:105 Resp: 166385
Ion Ratio Lower Upper
105 100
120 45.7 0.0 94.0





#81
 sec-Butylbenzene
 Concen: 20.153 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN087168.D
 Acq: 25 Jun 2025 11:08

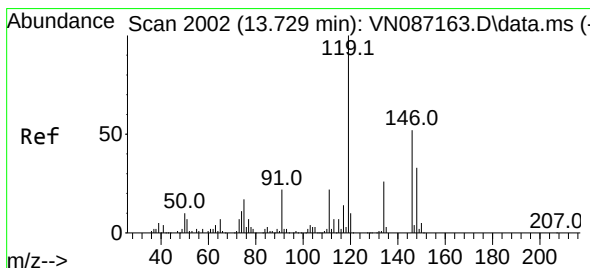
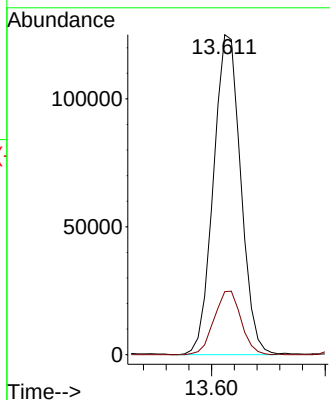
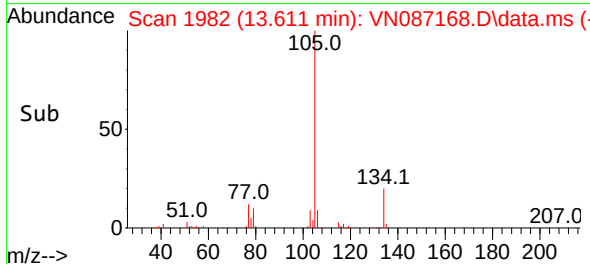
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN062525



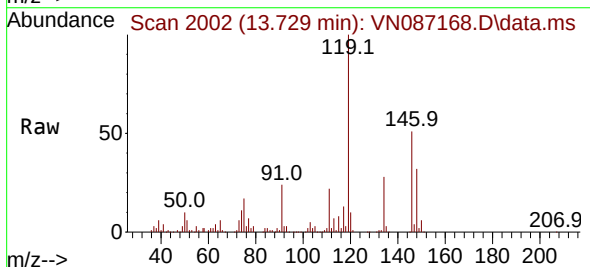
Tgt Ion:105 Resp: 209004
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 39.4

Manual Integrations
 APPROVED

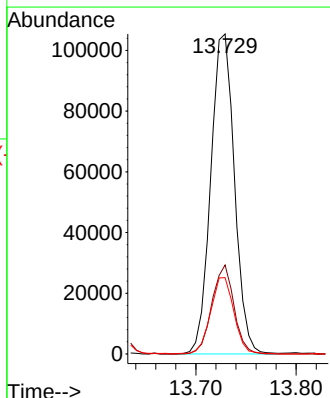
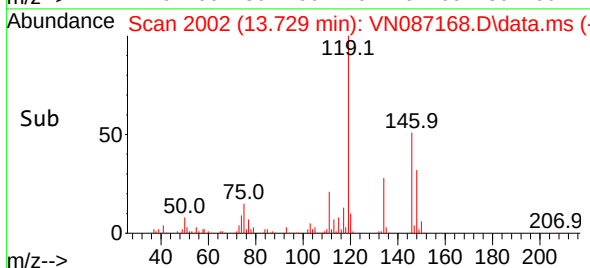
Reviewed By :John
 Carlone
 06/25/2025
 Supervised By :Mahesh
 Dadoda
 06/26/2025

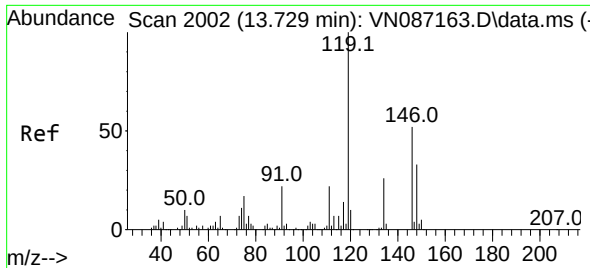


#82
 p-Isopropyltoluene
 Concen: 20.042 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN087168.D
 Acq: 25 Jun 2025 11:08



Tgt Ion:119 Resp: 172978
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 51.2
 91 23.5 0.0 46.4





#83
1,3-Dichlorobenzene
Concen: 19.400 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

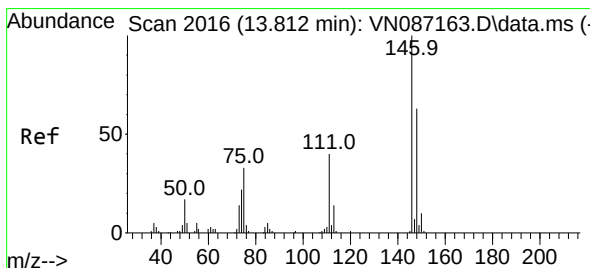
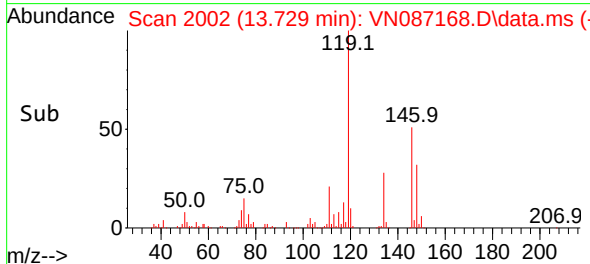
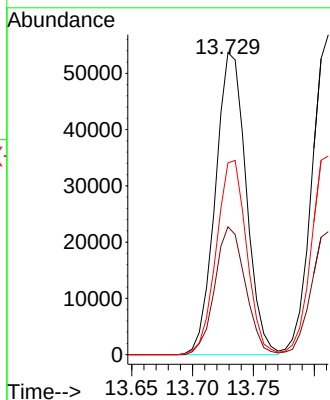
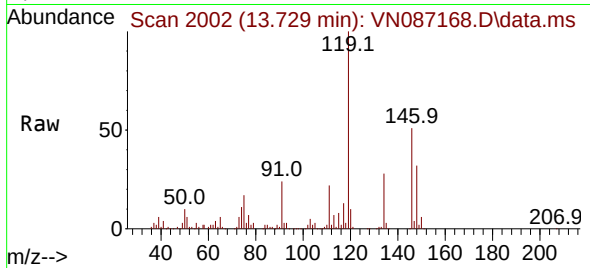
Instrument : MSVOA_N
ClientSampleId : ICVVN062525

Tgt Ion:146 Resp: 9447
Ion Ratio Lower Upper
146 100
111 41.9 21.1 63.3
148 63.3 31.6 94.8

Manual Integrations
APPROVED

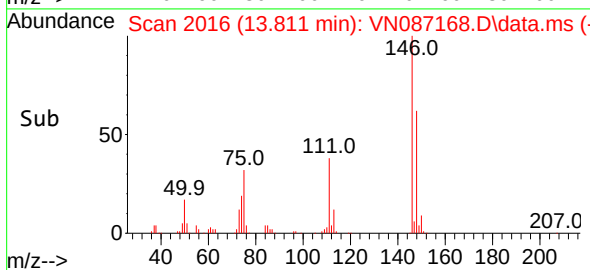
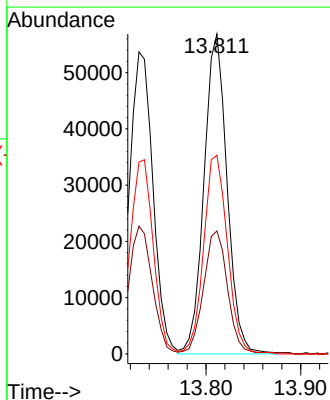
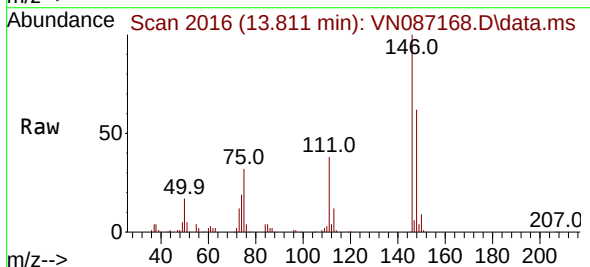
Reviewed By :John
Carlone
06/25/2025

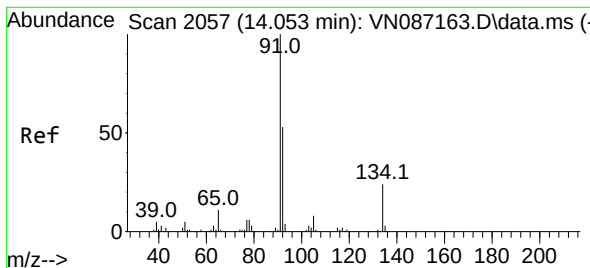
Supervised By :Mahesh
Dadoda
06/26/2025



#84
1,4-Dichlorobenzene
Concen: 19.624 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Tgt Ion:146 Resp: 96182
Ion Ratio Lower Upper
146 100
111 39.8 20.1 60.2
148 62.9 31.4 94.2





#85

n-Butylbenzene

Concen: 20.658 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN087168.D

Acq: 25 Jun 2025 11:08

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062525

Tgt Ion:	91	Resp:	16266
Ion	Ratio	Lower	Upper
91	100		
92	53.2	0.0	106.4
134	25.2	0.0	48.8

Manual Integrations

APPROVED

Reviewed By :John

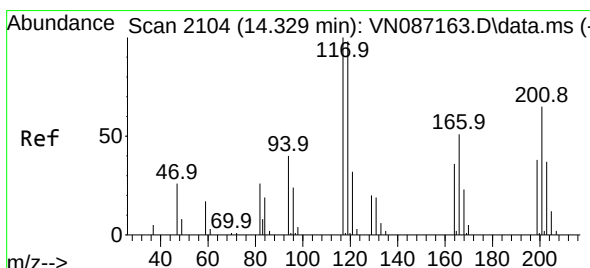
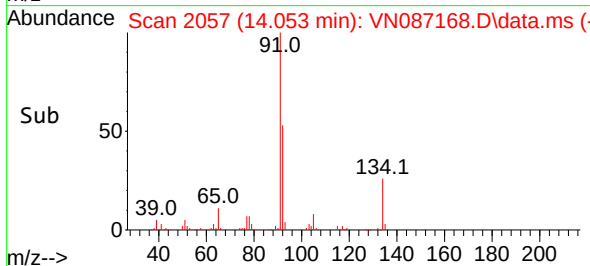
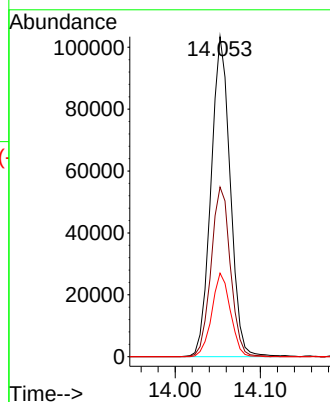
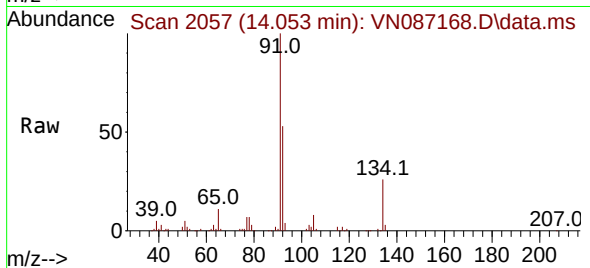
Carlone

06/25/2025

Supervised By :Mahesh

Dadoda

06/26/2025



#86

Hexachloroethane

Concen: 18.784 ug/l

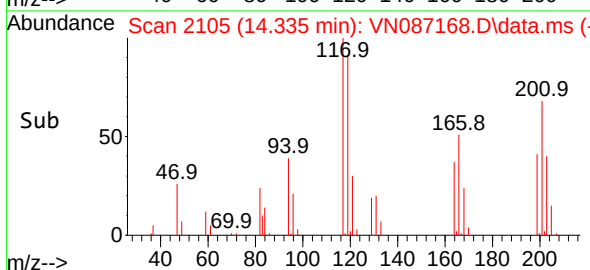
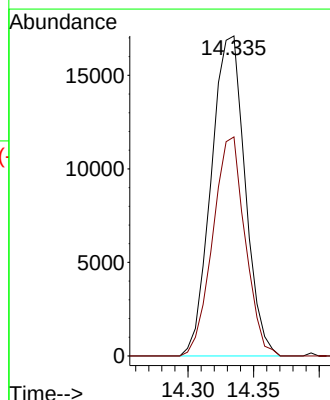
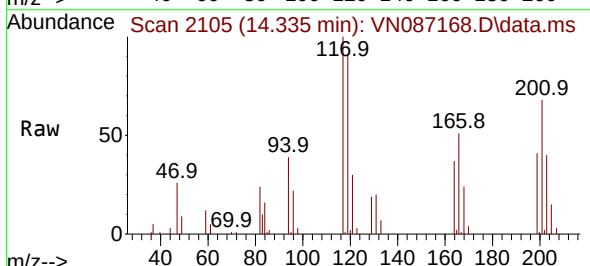
RT: 14.335 min Scan# 2105

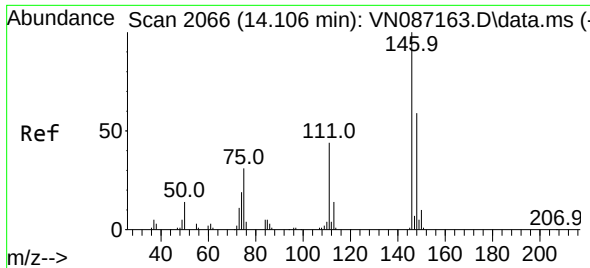
Delta R.T. 0.006 min

Lab File: VN087168.D

Acq: 25 Jun 2025 11:08

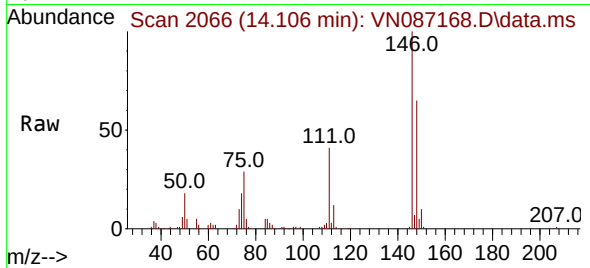
Tgt Ion:	117	Resp:	30688
Ion	Ratio	Lower	Upper
117	100		
201	65.5	30.8	92.3





#87
1,2-Dichlorobenzene
Concen: 19.450 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

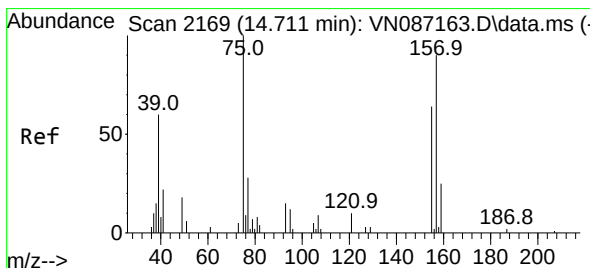
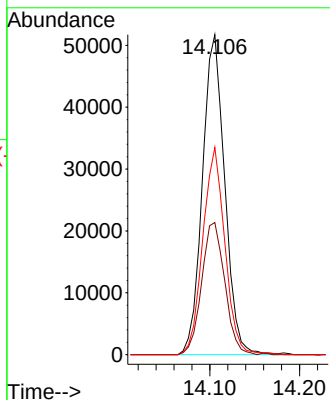
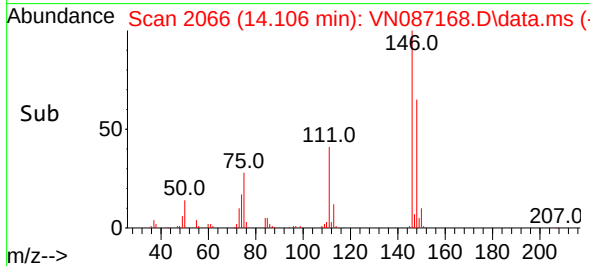


Tgt Ion:146 Resp: 8931
Ion Ratio Lower Upper
146 100
111 42.7 22.1 66.1
148 64.0 31.6 95.0

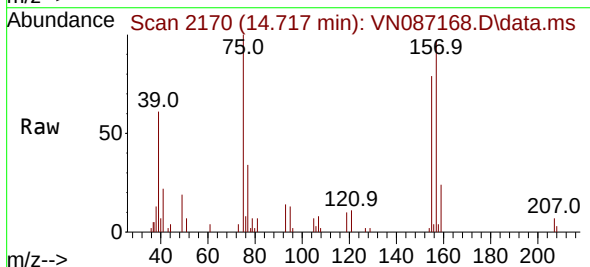
Manual Integrations
APPROVED

Reviewed By :John
Carlone
06/25/2025

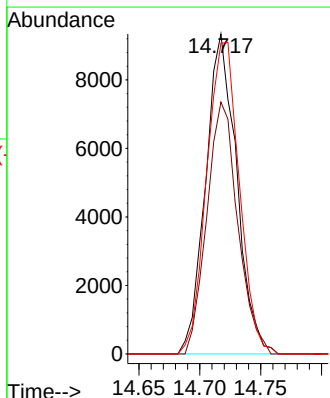
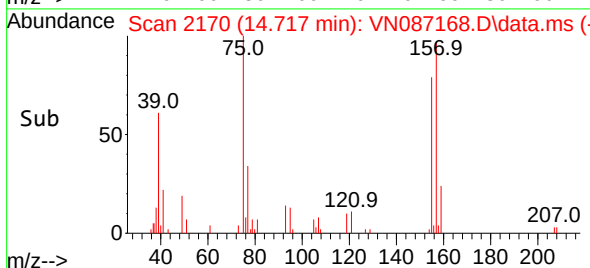
Supervised By :Mahesh
Dadoda
06/26/2025

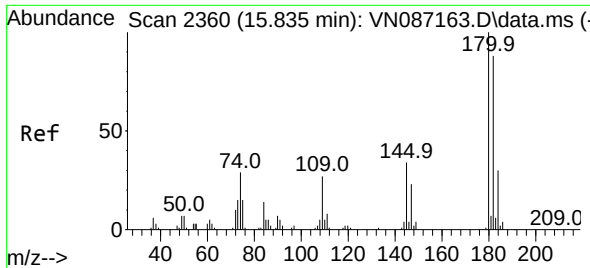


#88
1,2-Dibromo-3-Chloropropane
Concen: 19.570 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08



Tgt Ion: 75 Resp: 16536
Ion Ratio Lower Upper
75 100
155 78.5 58.3 87.5
157 102.5 79.2 118.8





#89
1,2,4-Trichlorobenzene
Concen: 19.367 ug/l
RT: 15.841 min Scan# 2360
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

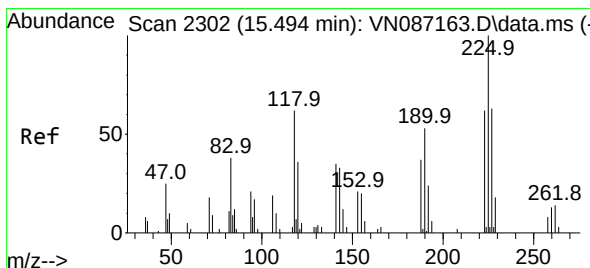
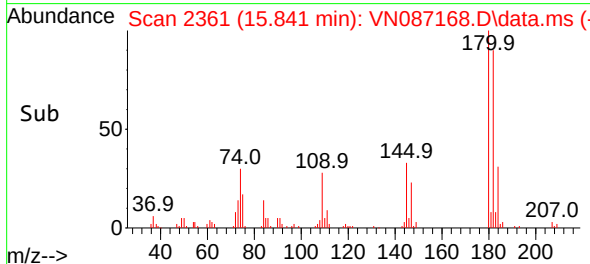
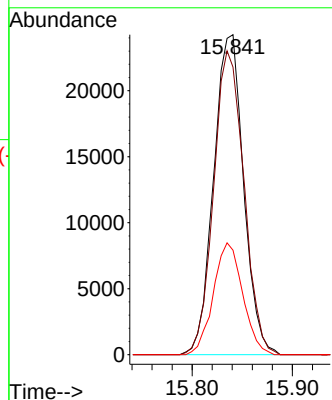
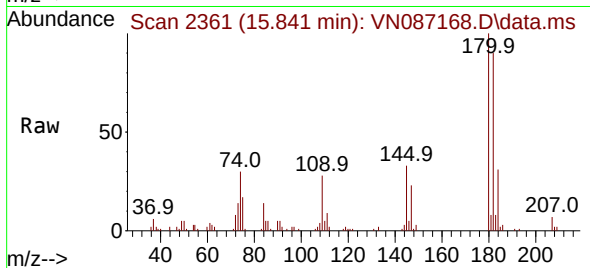
Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

Tgt Ion:180 Resp: 5031
Ion Ratio Lower Upper
180 100
182 95.9 74.2 111.2
145 34.3 27.6 41.4

Manual Integrations
APPROVED

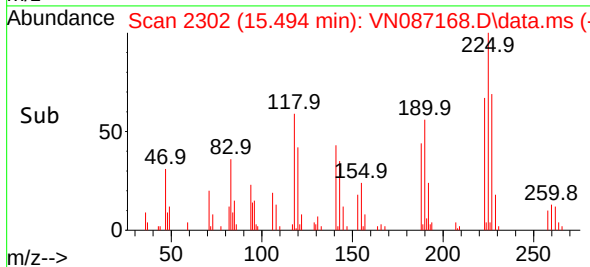
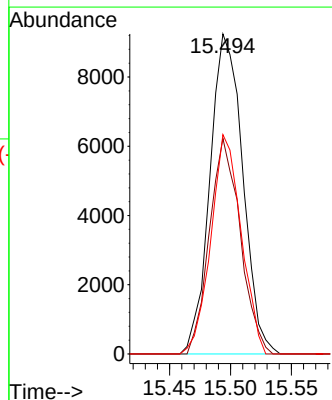
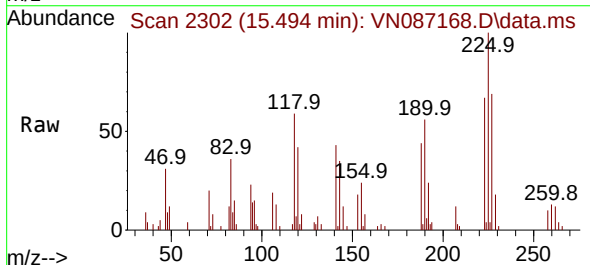
Reviewed By :John
Carlone
06/25/2025

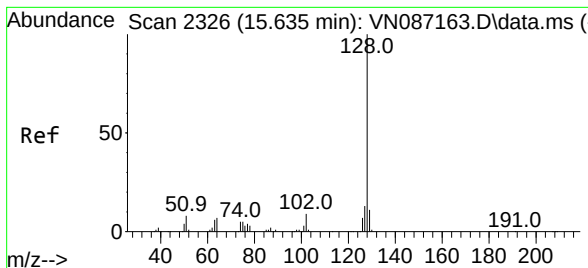
Supervised By :Mahesh
Dadoda
06/26/2025



#90
Hexachlorobutadiene
Concen: 22.501 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

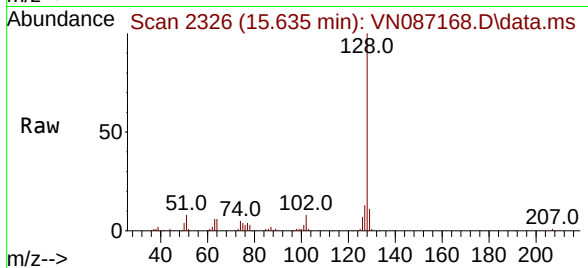
Tgt Ion:225 Resp: 17346
Ion Ratio Lower Upper
225 100
223 63.2 0.0 134.2
227 63.3 0.0 122.6





#91
Naphthalene
Concen: 18.973 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062525

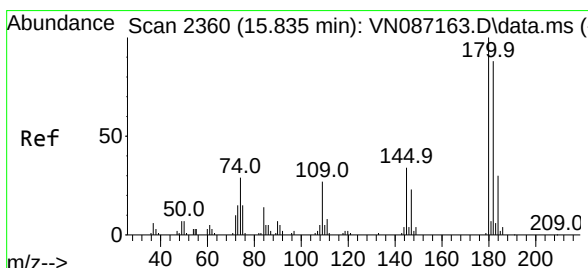
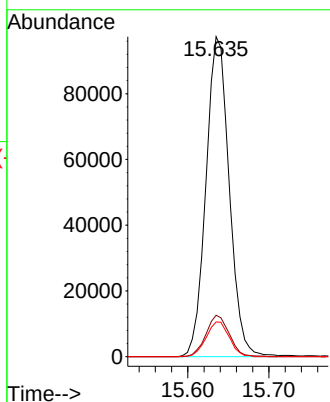
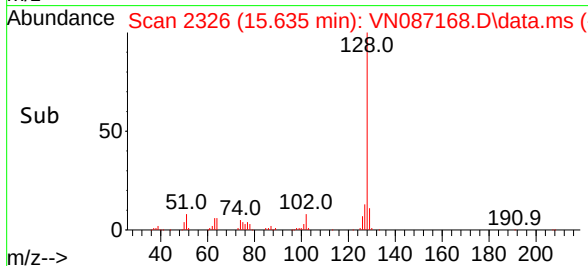


Tgt Ion:128 Resp: 193989
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.8 8.8 13.2

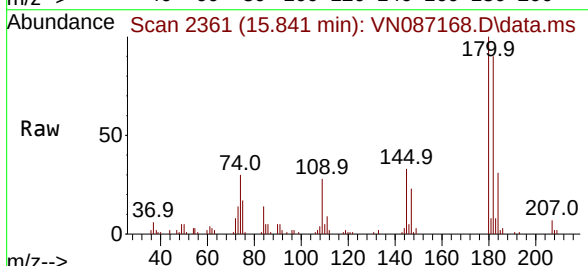
Manual Integrations
APPROVED

Reviewed By :John
Carlone
06/25/2025

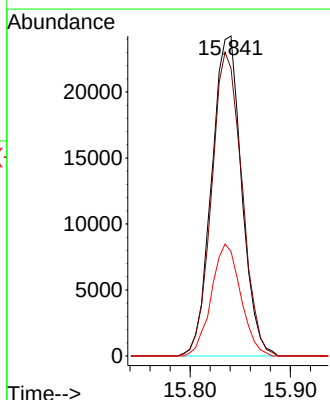
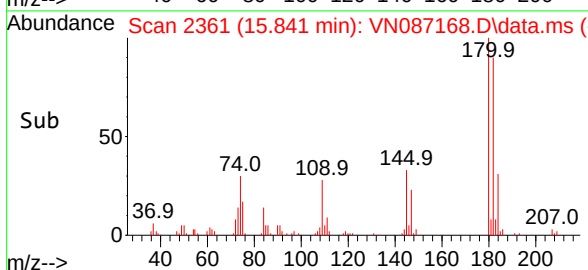
Supervised By :Mahesh
Dadoda
06/26/2025



#92
1,2,3-Trichlorobenzene
Concen: 19.367 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN087168.D
Acq: 25 Jun 2025 11:08



Tgt Ion:180 Resp: 50315
Ion Ratio Lower Upper
180 100
182 95.9 0.0 185.4
145 34.3 0.0 69.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087168.D
 Acq On : 25 Jun 2025 11:08
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN062525

Quant Time: Jun 25 15:29:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2 M	Dichlorodifluoromethane	1.806	1.708	5.4	104	0.00
3 M	Chloromethane	1.844	1.735	5.9	111	0.00
4 M	Vinyl Chloride	2.005	1.744	13.0	97	0.00
5 M	Bromomethane	1.064	1.090	-2.4	113	0.00
6 M	Chloroethane	1.075	1.028	4.4	107	0.00
7 M	Trichlorofluoromethane	2.459	2.313	5.9	100	0.00
8 T	Diethyl Ether	1.208	1.174	2.8	109	0.00
9	1,1,2-Trichlorotrifluoroeth	1.823	1.749	4.1	104	0.00
10 M	1,1-Dichloroethene	1.817	1.739	4.3	104	0.00
11	Methyl Iodide	1.628	1.264	22.4	98	0.00
12	Methyl Acetate	2.851	2.818	1.2	108	0.00
13 M	Acrolein	0.438	0.467	-6.6	130	0.00
14 M	Acrylonitrile	1.330	1.312	1.4	107	0.00
15 M	Acetone	0.388	0.381	1.8	104	0.00
16 M	Carbon Disulfide	5.313	5.001	5.9	103	0.00
17	Allyl chloride	2.997	2.752	8.2	100	0.01
18 M	Methylene Chloride	2.105	1.971	6.4	101	0.00
19 M	trans-1,2-Dichloroethene	1.987	1.889	4.9	104	0.00
20 T	Diisopropyl ether	6.359	6.106	4.0	101	0.00
21 M	1,1-Dichloroethane	3.801	3.306	13.0	92	0.00
22 M	cis-1,2-Dichloroethene	2.313	2.183	5.6	104	0.00
23 M	tert-Butyl Alcohol	0.500	0.516	-3.2	114	0.00
24 M	Methyl tert-Butyl Ether	6.374	6.197	2.8	108	0.00
25 M	Chloroform	3.641	3.232	11.2	97	0.00
26	Cyclohexane	3.159	2.769	12.3	98	0.00
27 s	1,2-Dichloroethane-d4	2.260	2.240	0.9	97	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29	1,1-Dichloropropene	0.468	0.431	7.9	107	0.00
30 M	2-Butanone	0.315	0.305	3.2	106	0.00
31	2,2-Dichloropropane	0.564	0.549	2.7	106	0.00
32 M	1,1,1-Trichloroethane	0.546	0.489	10.4	98	0.00
33 M	Carbon Tetrachloride	0.460	0.416	9.6	105	0.00
34 M	Benzene	1.481	1.287	13.1	98	0.00
35	Methacrylonitrile	0.318	0.277	12.9	97	0.00
36 M	1,2-Dichloroethane	0.479	0.446	6.9	101	0.00
37 M	Trichloroethene	0.342	0.338	1.2	114	0.00
38	Methylcyclohexane	0.537	0.518	3.5	110	0.00
39 M	1,2-Dichloropropane	0.372	0.361	3.0	104	0.00
40	Dibromomethane	0.253	0.241	4.7	103	0.00
41 M	Bromodichloromethane	0.510	0.499	2.2	103	0.00
42 M	Vinyl Acetate	1.026	0.864	15.8	91	0.00
43	Ethyl Acetate	0.569	0.590	-3.7	105	0.00
44	Isopropyl Acetate	0.928	0.870	6.3	104	0.00
45 T	1,4-Dioxane	0.006	0.007	-16.7	120	0.00
46	Methyl methacrylate	0.431	0.409	5.1	103	0.00
47	n-amyl Acetate	0.567	0.471	16.9	93	0.01
48 M	t-1,3-Dichloropropene	0.569	0.556	2.3	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087168.D
 Acq On : 25 Jun 2025 11:08
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN062525

Quant Time: Jun 25 15:29:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.605	0.588	2.8	103	0.00
50 M	1,1,2-Trichloroethane	0.359	0.343	4.5	103	0.00
51	Ethyl methacrylate	0.547	0.513	6.2	109	0.00
52	1,3-Dichloropropane	0.617	0.587	4.9	102	0.00
53 M	Dibromochloromethane	0.377	0.363	3.7	106	0.00
54 M	1,2-Dibromoethane	0.371	0.346	6.7	100	0.00
55 M	2-Chloroethyl vinyl ether	0.313	0.283	9.6	97	0.00
56 M	Bromoform	0.259	0.239	7.7	102	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
58 M	4-Methyl-2-Pentanone	0.603	0.590	2.2	107	0.00
59 M	2-Hexanone	0.389	0.339	12.9	105	0.00
60 S	4-Bromofluorobenzene	0.463	0.473	-2.2	105	0.00
61 M	Tetrachloroethene	0.297	0.274	7.7	102	0.00
62 M	Toluene	1.694	1.594	5.9	103	0.00
63 S	Toluene-d8	1.347	1.369	-1.6	98	0.00
64 M	Chlorobenzene	1.081	1.026	5.1	104	0.00
65	1,1,1,2-Tetrachloroethane	0.357	0.339	5.0	104	0.00
66 M	Ethyl Benzene	1.855	1.717	7.4	104	0.00
67 M	m/p-Xylenes	0.711	0.666	6.3	104	0.00
68 M	o-Xylene	0.678	0.653	3.7	108	0.00
69 M	Styrene	1.164	1.082	7.0	104	0.00
70	Isopropylbenzene	1.689	1.644	2.7	111	0.00
71 M	1,1,2,2-Tetrachloroethane	0.608	0.585	3.8	103	0.00
72	1,2,3-Trichloropropane	0.524	0.515	1.7	110	0.00
73	Bromobenzene	0.410	0.383	6.6	106	0.00
74	n-propylbenzene	2.063	2.008	2.7	111	0.00
75	2-Chlorotoluene	1.246	1.216	2.4	112	0.00
76	1,3,5-Trimethylbenzene	1.375	1.348	2.0	114	0.00
77	t-1,4-Dichloro-2-butene	0.232	0.220	5.2	112	0.00
78	4-Chlorotoluene	1.276	1.261	1.2	114	0.00
79	tert-butylbenzene	1.156	1.130	2.2	114	0.00
80	1,2,4-Trimethylbenzene	1.380	1.347	2.4	114	0.00
81	sec-Butylbenzene	1.680	1.693	-0.8	115	0.00
82	p-Isopropyltoluene	1.398	1.401	-0.2	110	0.00
83 M	1,3-Dichlorobenzene	0.789	0.765	3.0	106	0.00
84 M	1,4-Dichlorobenzene	0.794	0.779	1.9	109	0.00
85	n-Butylbenzene	1.275	1.317	-3.3	114	0.00
86 T	Hexachloroethane	0.265	0.249	6.0	109	0.00
87 M	1,2-Dichlorobenzene	0.744	0.723	2.8	108	0.00
88	1,2-Dibromo-3-Chloropropane	0.137	0.134	2.2	109	0.00
89	1,2,4-Trichlorobenzene	0.421	0.407	3.3	107	0.00
90	Hexachlorobutadiene	0.125	0.140	-12.0	125	0.00
91 M	Naphthalene	1.656	1.571	5.1	109	0.00
92	1,2,3-Trichlorobenzene	0.421	0.407	3.3	107	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087168.D
 Acq On : 25 Jun 2025 11:08
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN062525

Quant Time: Jun 25 15:29:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	100	0.00
2 M	Dichlorodifluoromethane	20.000	18.915	5.4	104	0.00
3 M	Chloromethane	20.000	18.816	5.9	111	0.00
4 M	Vinyl Chloride	20.000	17.404	13.0	97	0.00
5 M	Bromomethane	20.000	20.494	-2.5	113	0.00
6 M	Chloroethane	20.000	19.122	4.4	107	0.00
7 M	Trichlorofluoromethane	20.000	18.810	6.0	100	0.00
8 T	Diethyl Ether	20.000	19.443	2.8	109	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	19.184	4.1	104	0.00
10 M	1,1-Dichloroethene	20.000	19.141	4.3	104	0.00
11	Methyl Iodide	20.000	15.530	22.4	98	0.00
12	Methyl Acetate	20.000	19.769	1.2	108	0.00
13 M	Acrolein	100.000	106.612	-6.6	130	0.00
14 M	Acrylonitrile	100.000	98.671	1.3	107	0.00
15 M	Acetone	100.000	98.119	1.9	104	0.00
16 M	Carbon Disulfide	20.000	18.825	5.9	103	0.00
17	Allyl chloride	20.000	18.360	8.2	100	0.01
18 M	Methylene Chloride	20.000	18.727	6.4	101	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.006	5.0	104	0.00
20 T	Diisopropyl ether	20.000	19.202	4.0	101	0.00
21 M	1,1-Dichloroethane	20.000	17.398	13.0	92	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.875	5.6	104	0.00
23 M	tert-Butyl Alcohol	100.000	103.292	-3.3	114	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.447	2.8	108	0.00
25 M	Chloroform	20.000	17.750	11.3	97	0.00
26	Cyclohexane	20.000	17.527	12.4	98	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.730	0.9	97	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	100	0.00
29	1,1-Dichloropropene	20.000	18.425	7.9	107	0.00
30 M	2-Butanone	100.000	96.637	3.4	106	0.00
31	2,2-Dichloropropane	20.000	19.459	2.7	106	0.00
32 M	1,1,1-Trichloroethane	20.000	17.908	10.5	98	0.00
33 M	Carbon Tetrachloride	20.000	18.113	9.4	105	0.00
34 M	Benzene	20.000	17.375	13.1	98	0.00
35	Methacrylonitrile	20.000	17.450	12.8	97	0.00
36 M	1,2-Dichloroethane	20.000	18.634	6.8	101	0.00
37 M	Trichloroethene	20.000	19.760	1.2	114	0.00
38	Methylcyclohexane	20.000	19.317	3.4	110	0.00
39 M	1,2-Dichloropropane	20.000	19.414	2.9	104	0.00
40	Dibromomethane	20.000	19.062	4.7	103	0.00
41 M	Bromodichloromethane	20.000	19.565	2.2	103	0.00
42 M	Vinyl Acetate	100.000	84.264	15.7	91	0.00
43	Ethyl Acetate	20.000	20.721	-3.6	105	0.00
44	Isopropyl Acetate	20.000	18.746	6.3	104	0.00
45 T	1,4-Dioxane	400.000	435.392	-8.8	120	0.00
46	Methyl methacrylate	20.000	18.970	5.2	103	0.00
47	n-amyl Acetate	20.000	16.625	16.9	93	0.01
48 M	t-1,3-Dichloropropene	20.000	19.532	2.3	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087168.D
 Acq On : 25 Jun 2025 11:08
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN062525

Quant Time: Jun 25 15:29:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.457	2.7	103	0.00
50 M	1,1,2-Trichloroethane	20.000	19.079	4.6	103	0.00
51	Ethyl methacrylate	20.000	18.768	6.2	109	0.00
52	1,3-Dichloropropane	20.000	19.027	4.9	102	0.00
53 M	Dibromochloromethane	20.000	19.262	3.7	106	0.00
54 M	1,2-Dibromoethane	20.000	18.656	6.7	100	0.00
55 M	2-Chloroethyl vinyl ether	100.000	90.312	9.7	97	0.00
56 M	Bromoform	20.000	18.410	7.9	102	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	100	0.00
58 M	4-Methyl-2-Pentanone	100.000	97.791	2.2	107	0.00
59 M	2-Hexanone	100.000	87.081	12.9	105	0.00
60 S	4-Bromofluorobenzene	30.000	30.636	-2.1	105	0.00
61 M	Tetrachloroethene	20.000	18.451	7.7	102	0.00
62 M	Toluene	20.000	18.821	5.9	103	0.00
63 S	Toluene-d8	30.000	30.485	-1.6	98	0.00
64 M	Chlorobenzene	20.000	18.982	5.1	104	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.969	5.2	104	0.00
66 M	Ethyl Benzene	20.000	18.514	7.4	104	0.00
67 M	m/p-Xylenes	40.000	37.473	6.3	104	0.00
68 M	o-Xylene	20.000	19.277	3.6	108	0.00
69 M	Styrene	20.000	18.596	7.0	104	0.00
70	Isopropylbenzene	20.000	19.473	2.6	111	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.266	3.7	103	0.00
72	1,2,3-Trichloropropane	20.000	19.651	1.7	110	0.00
73	Bromobenzene	20.000	18.701	6.5	106	0.00
74	n-propylbenzene	20.000	19.471	2.6	111	0.00
75	2-Chlorotoluene	20.000	19.509	2.5	112	0.00
76	1,3,5-Trimethylbenzene	20.000	19.619	1.9	114	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.914	5.4	112	0.00
78	4-Chlorotoluene	20.000	19.761	1.2	114	0.00
79	tert-butylbenzene	20.000	19.556	2.2	114	0.00
80	1,2,4-Trimethylbenzene	20.000	19.523	2.4	114	0.00
81	sec-Butylbenzene	20.000	20.153	-0.8	115	0.00
82	p-Isopropyltoluene	20.000	20.042	-0.2	110	0.00
83 M	1,3-Dichlorobenzene	20.000	19.400	3.0	106	0.00
84 M	1,4-Dichlorobenzene	20.000	19.624	1.9	109	0.00
85	n-Butylbenzene	20.000	20.658	-3.3	114	0.00
86 T	Hexachloroethane	20.000	18.784	6.1	109	0.00
87 M	1,2-Dichlorobenzene	20.000	19.450	2.8	108	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.570	2.1	109	0.00
89	1,2,4-Trichlorobenzene	20.000	19.367	3.2	107	0.00
90	Hexachlorobutadiene	20.000	22.501	-12.5	125	0.00
91 M	Naphthalene	20.000	18.973	5.1	109	0.00
92	1,2,3-Trichlorobenzene	20.000	19.367	3.2	107	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TULL01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2630</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>07/18/2025</u> <u>09:15</u>
Lab File ID:	<u>VN087353.D</u>	Init. Calib. Date(s):	<u>06/25/2025</u> <u>06/25/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>08:59</u> <u>10:24</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Benzene	1.481	1.442	0.5	-2.63	
Toluene	1.694	1.691	0.4	-0.18	
Ethyl Benzene	1.855	1.825	0.1	-1.62	
m/p-Xylenes	0.711	0.711	0.3	0	
o-Xylene	0.678	0.690	0.3	1.77	
1,2-Dichloroethane-d4	2.260	2.451	0.01	8.45	
Toluene-d8	1.347	1.348	0.01	0.07	
4-Bromofluorobenzene	0.463	0.486	0.2	4.97	

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_N\Data\VN071825\
 Data File : VN087353.D
 Acq On : 18 Jul 2025 09:15
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/21/2025
 Supervised By : Mahesh Dadoda 07/21/2025

Quant Time: Jul 18 23:14:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	46358	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.083	114	246415	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	220107	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	113605	32.525	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.400%			
60) 4-Bromofluorobenzene	12.829	95	107036	31.514	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery = 105.033%			
63) Toluene-d8	10.547	98	296684	30.020	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.067%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	44437	15.924	ug/l	99
3) Chloromethane	2.383	50	52502	18.420	ug/l	97
4) Vinyl Chloride	2.542	62	55153	17.804	ug/l	99
5) Bromomethane	2.977	94	32358	19.682	ug/l	88
6) Chloroethane	3.142	64	36445	21.932	ug/l	97
7) Trichlorofluoromethane	3.512	101	82490	21.710	ug/l	98
8) Diethyl Ether	3.965	74	34722m	18.599	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.371	101	44626m	15.841	ug/l	
10) 1,1-Dichloroethene	4.342	96	44111	15.708	ug/l	83
11) Methyl Iodide	4.583	142	45406	18.048	ug/l	81
12) Methyl Acetate	5.018	43	93314	21.184	ug/l	93
13) Acrolein	4.177	56	47724	70.510	ug/l	99
14) Acrylonitrile	5.706	53	191174	93.047	ug/l	98
15) Acetone	4.424	58	53705	89.609	ug/l	83
16) Carbon Disulfide	4.706	76	121756	14.829	ug/l	100
17) Allyl chloride	5.018	41	85793	18.523	ug/l	94
18) Methylene Chloride	5.271	84	62718	19.279	ug/l	96
19) trans-1,2-Dichloroethene	5.771	96	51726	16.843	ug/l	96
20) Diisopropyl ether	6.659	45	205164	20.878	ug/l	97
21) 1,1-Dichloroethane	6.553	63	111760	19.029	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	66017	18.471	ug/l	99
23) tert-Butyl Alcohol	5.524	59	69826	90.368	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	196135	19.914	ug/l	98
25) Chloroform	7.953	83	113716	20.210	ug/l	99
26) Cyclohexane	8.241	56	80329	16.454	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	73342	19.096	ug/l	98
30) 2-Butanone	7.471	43	271343	104.734	ug/l	96
31) 2,2-Dichloropropane	7.477	77	92394	19.929	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	94489	21.058	ug/l	99
33) Carbon Tetrachloride	8.341	117	79595	21.079	ug/l	97
34) Benzene	8.588	78	236944	19.473	ug/l	96
35) Methacrylonitrile	7.765	41	56967	21.818	ug/l	94
36) 1,2-Dichloroethane	8.653	62	88492	22.510	ug/l	100
37) Trichloroethene	9.335	130	52709	18.781	ug/l	100
38) Methylcyclohexane	9.583	83	79927	18.137	ug/l	97
39) 1,2-Dichloropropane	9.600	63	62218	20.373	ug/l	97
40) Dibromomethane	9.688	93	44019	21.197	ug/l	96
41) Bromodichloromethane	9.871	83	91595	21.852	ug/l #	98
42) Vinyl Acetate	6.595	43	836803	99.305	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087353.D
 Acq On : 18 Jul 2025 09:15
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

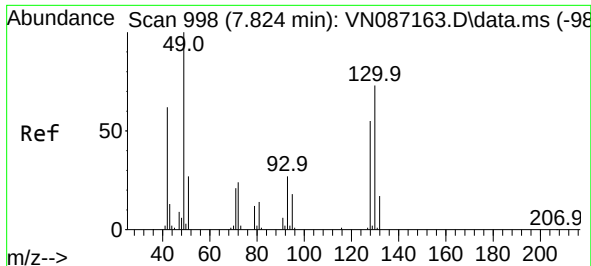
Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/21/2025
 Supervised By : Mahesh Dadoda 07/21/2025

Quant Time: Jul 18 23:14:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

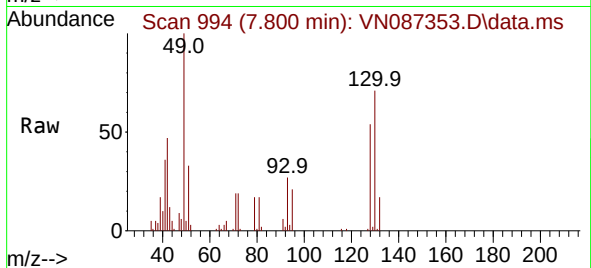
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	104626	22.371	ug/l	94
44) Isopropyl Acetate	8.677	43	164459	21.582	ug/l	98
45) 1,4-Dioxane	9.677	88	22450	435.529	ug/l	98
46) Methyl methacrylate	9.665	41	76833	21.690	ug/l	90
47) n-amyl Acetate	12.518	43	110510m	23.721	ug/l	
48) t-1,3-Dichloropropene	10.818	75	96762	20.708	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	100992	20.330	ug/l	93
50) 1,1,2-Trichloroethane	10.994	97	59421	20.144	ug/l	96
51) Ethyl methacrylate	10.853	69	95191	21.202	ug/l	95
52) 1,3-Dichloropropane	11.141	76	106028	20.936	ug/l	99
53) Dibromochloromethane	11.341	129	68283	22.052	ug/l	97
54) 1,2-Dibromoethane	11.447	107	60238	19.793	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	263740	102.481	ug/l	99
56) Bromoform	12.559	173	44831	21.061	ug/l #	99
58) 4-Methyl-2-Pentanone	10.430	43	522358	118.048	ug/l	97
59) 2-Hexanone	11.177	43	359424	125.791	ug/l	91
61) Tetrachloroethene	11.082	164	45226	20.748	ug/l	98
62) Toluene	10.612	91	248127	19.960	ug/l	99
64) Chlorobenzene	11.871	112	160479	20.238	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.941	131	58313	22.256	ug/l	96
66) Ethyl Benzene	11.941	91	267868	19.686	ug/l	98
67) m/p-Xylenes	12.053	106	208770	40.039	ug/l	100
68) o-Xylene	12.376	106	101235	20.351	ug/l	100
69) Styrene	12.388	104	170293	19.940	ug/l	98
70) Isopropylbenzene	12.676	105	258198	20.841	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	91263	20.465	ug/l	97
72) 1,2,3-Trichloropropane	12.971	75	88323m	22.968	ug/l	
73) Bromobenzene	12.959	156	65368	21.751	ug/l	92
74) n-propylbenzene	13.018	91	310937	20.544	ug/l	98
75) 2-Chlorotoluene	13.106	91	187392	20.493	ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	215176	21.335	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	32334	18.956	ug/l	94
78) 4-Chlorotoluene	13.200	91	198075	21.150	ug/l	99
79) tert-butylbenzene	13.418	119	182171	21.488	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	217511	21.477	ug/l	96
81) sec-Butylbenzene	13.594	105	264335	21.448	ug/l	98
82) p-Isopropyltoluene	13.706	119	227385	22.171	ug/l	97
83) 1,3-Dichlorobenzene	13.712	146	123794	21.391	ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	117522	20.178	ug/l	93
85) n-Butylbenzene	14.035	91	209441	22.382	ug/l	99
86) Hexachloroethane	14.312	117	42865	22.079	ug/l	93
87) 1,2-Dichlorobenzene	14.082	146	117001	21.442	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.694	75	19921	19.839	ug/l	96
89) 1,2,4-Trichlorobenzene	15.817	180	68248	22.107	ug/l	99
90) Hexachlorobutadiene	15.470	225	28055	30.624	ug/l	96
91) Naphthalene	15.617	128	248488	20.451	ug/l	99
92) 1,2,3-Trichlorobenzene	15.817	180	68248	22.107	ug/l	99

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

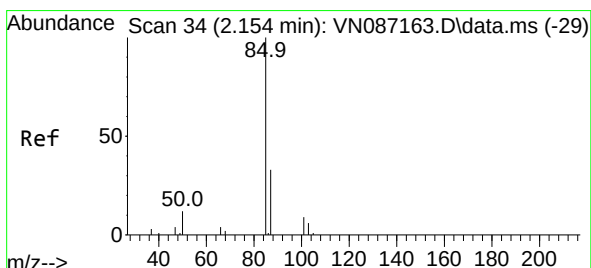
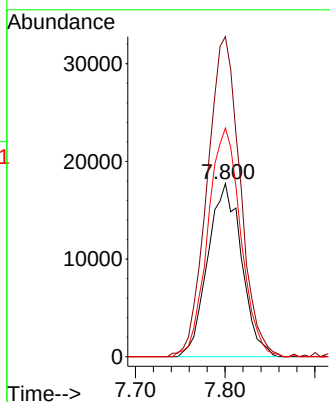
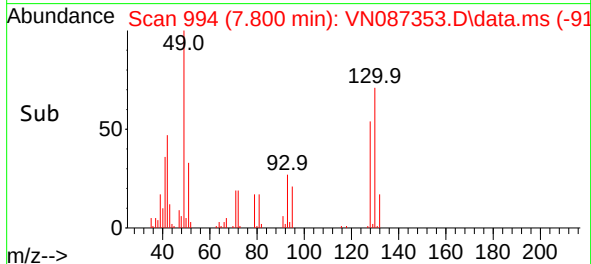
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 46358
Ion Ratio Lower Upper
128 100
49 180.1 0.0 450.5
130 128.7 0.0 320.7

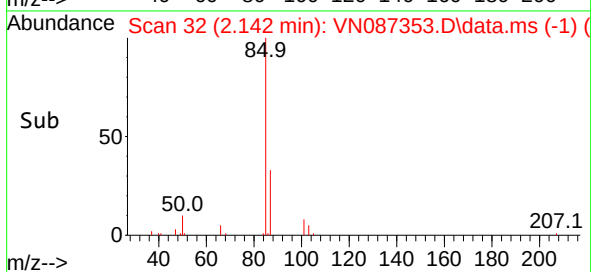
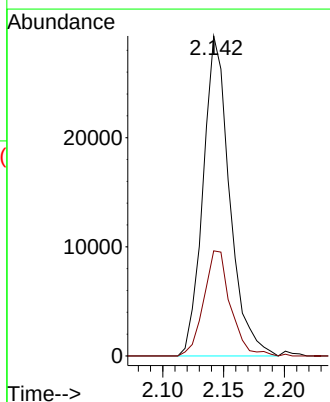
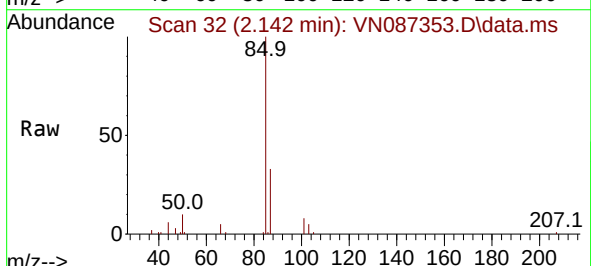
Manual Integrations
APPROVED

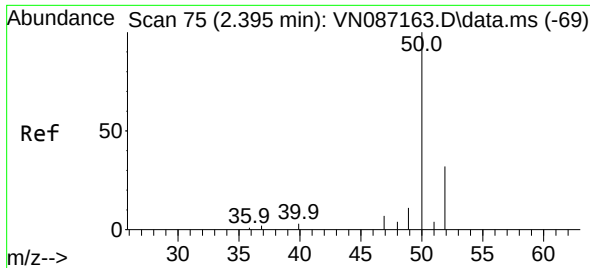
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#2
Dichlorodifluoromethane
Concen: 15.924 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.012 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 85 Resp: 44437
Ion Ratio Lower Upper
85 100
87 32.9 16.7 50.0





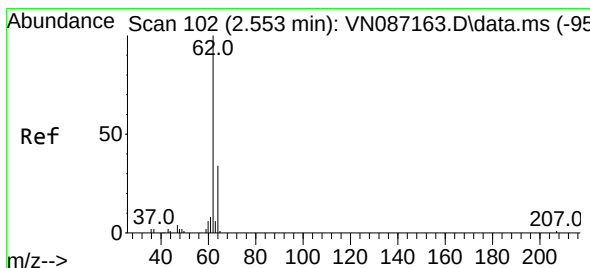
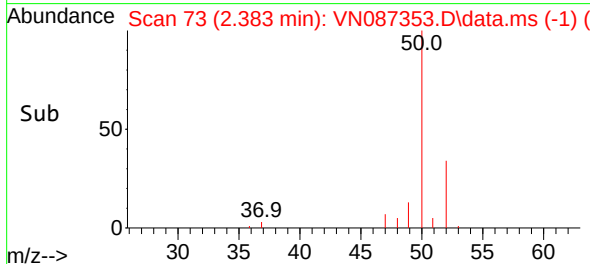
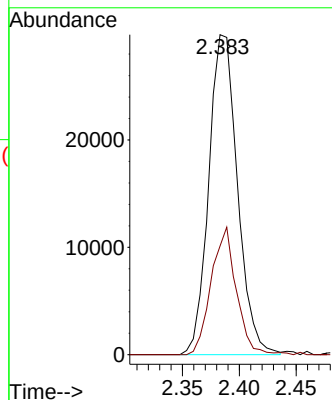
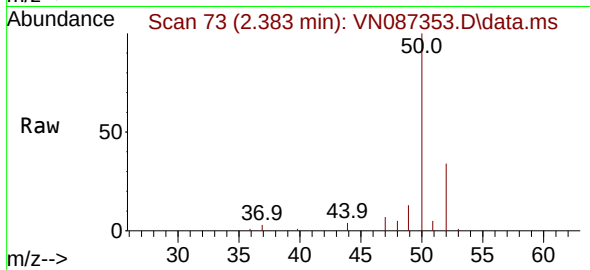
#3
Chloromethane
Concen: 18.420 ug/l
RT: 2.383 min Scan# 71
Delta R.T. -0.012 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 50 Resp: 5250
Ion Ratio Lower Upper
50 100
52 34.0 25.9 38.9

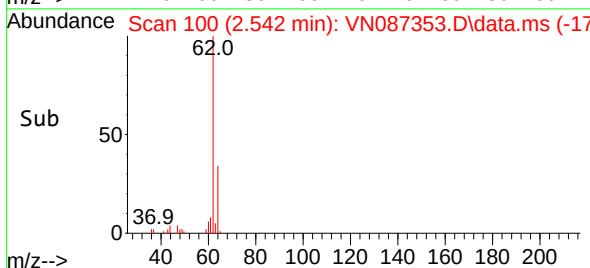
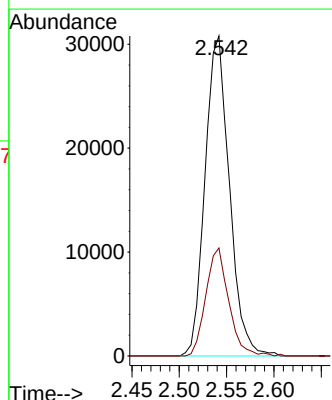
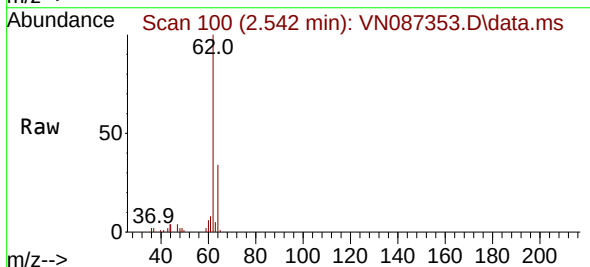
Manual Integrations
APPROVED

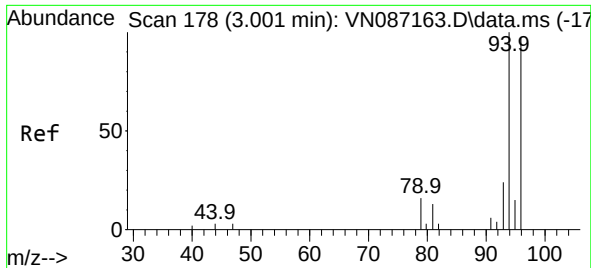
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#4
Vinyl Chloride
Concen: 17.804 ug/l
RT: 2.542 min Scan# 100
Delta R.T. -0.012 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 62 Resp: 55153
Ion Ratio Lower Upper
62 100
64 33.8 27.4 41.2





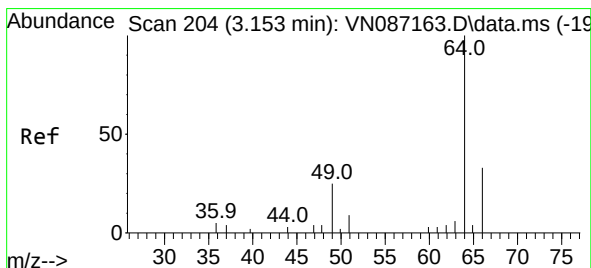
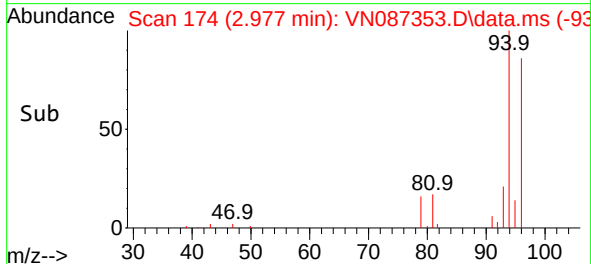
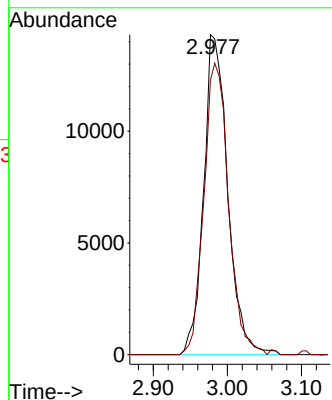
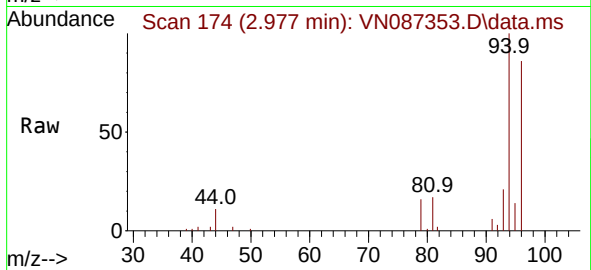
#5
Bromomethane
Concen: 19.682 ug/l
RT: 2.977 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 94 Resp: 32358
Ion Ratio Lower Upper
94 100
96 85.8 77.9 116.9

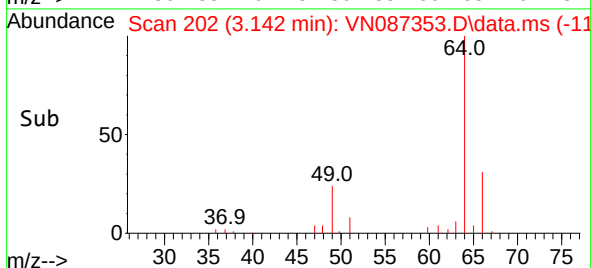
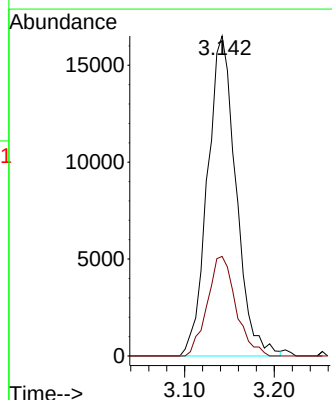
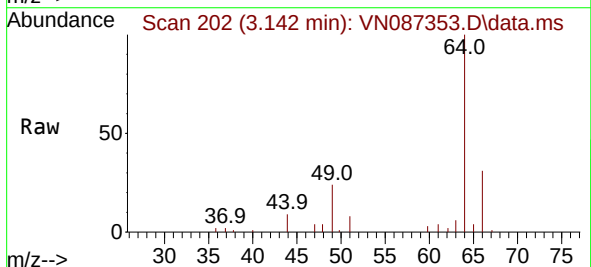
Manual Integrations
APPROVED

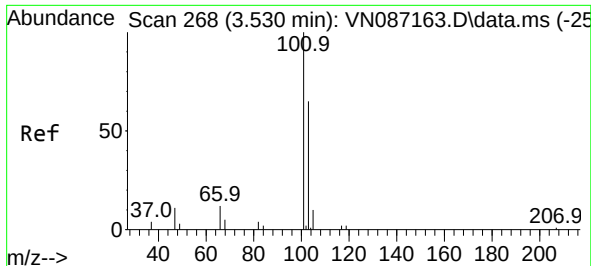
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#6
Chloroethane
Concen: 21.932 ug/l
RT: 3.142 min Scan# 202
Delta R.T. -0.012 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 64 Resp: 36445
Ion Ratio Lower Upper
64 100
66 31.1 26.4 39.6





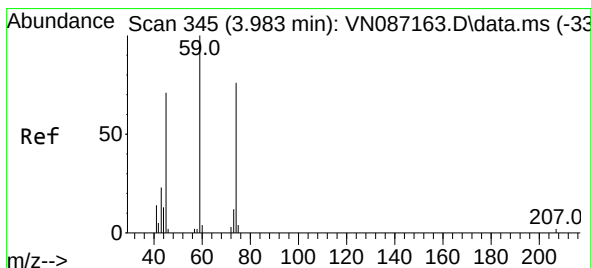
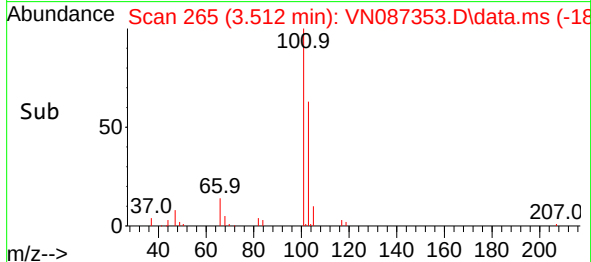
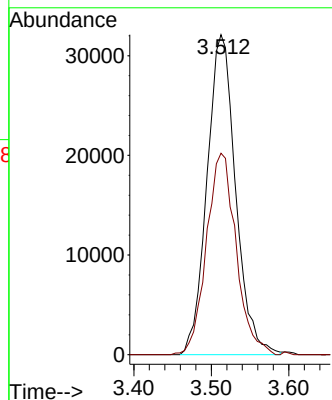
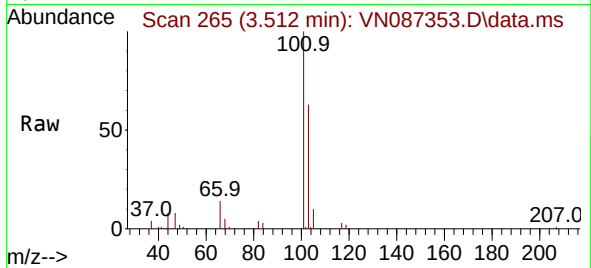
#7
Trichlorofluoromethane
Concen: 21.710 ug/l
RT: 3.512 min Scan# 20
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 82490
Ion Ratio Lower Upper
101 100
103 63.0 51.8 77.8

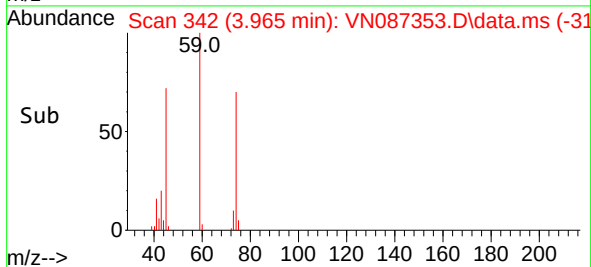
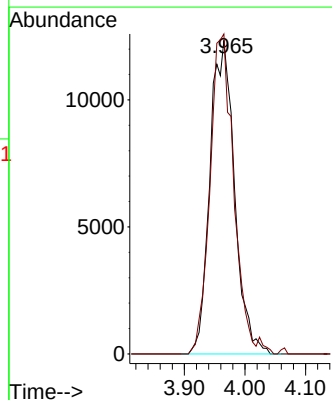
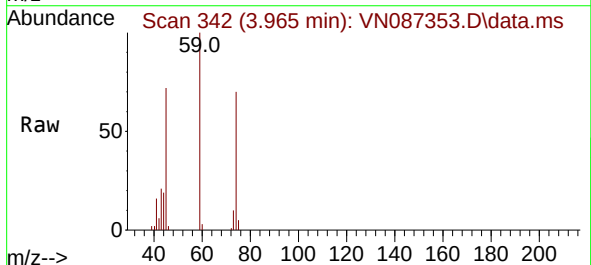
Manual Integrations
APPROVED

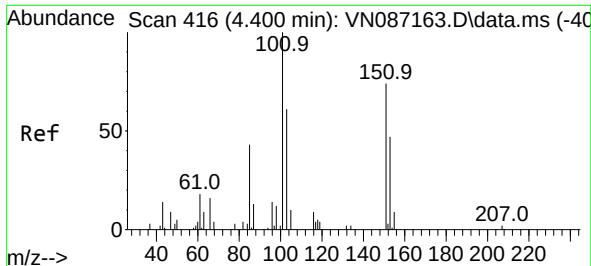
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#8
Diethyl Ether
Concen: 18.599 ug/l m
RT: 3.965 min Scan# 342
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 74 Resp: 34722
Ion Ratio Lower Upper
74 100
45 97.8 19.0 171.0





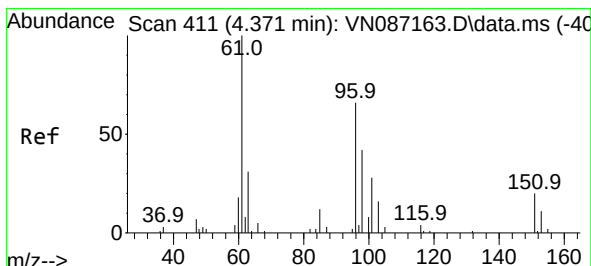
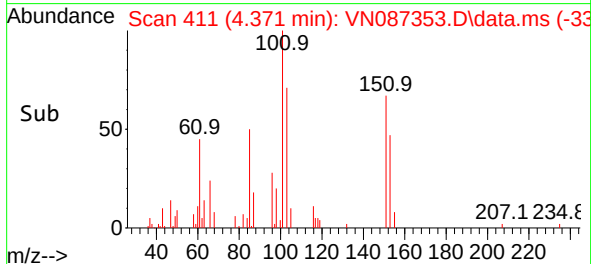
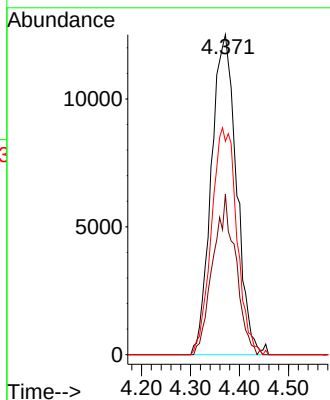
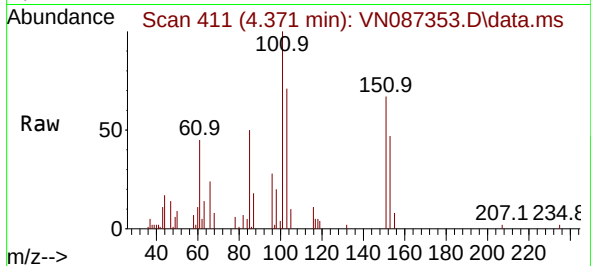
#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.841 ug/l m
RT: 4.371 min Scan# 416
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 44620
Ion Ratio Lower Upper
101 100
85 0.1 0.0 40.6
151 0.1 0.0 141.2

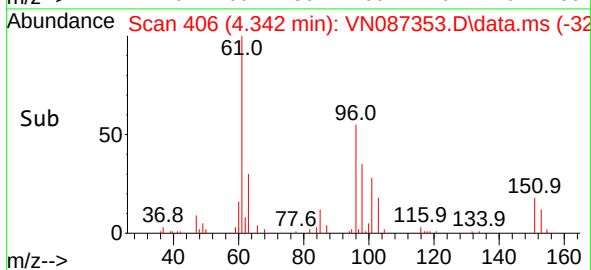
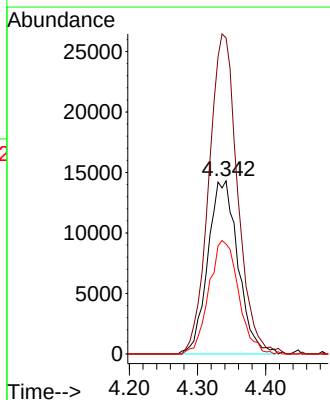
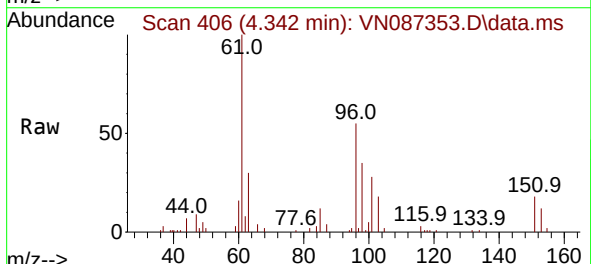
Manual Integrations
APPROVED

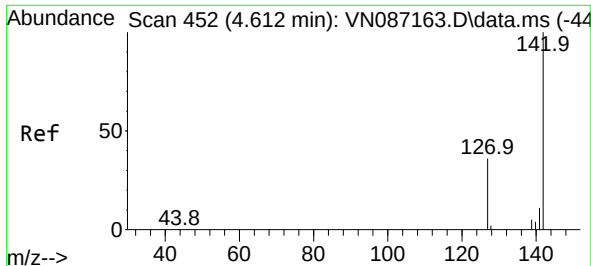
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#10
1,1-Dichloroethene
Concen: 15.708 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

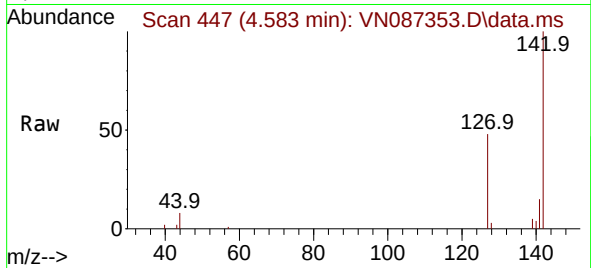
Tgt Ion: 96 Resp: 44111
Ion Ratio Lower Upper
96 100
61 182.6 122.0 183.0
98 63.5 50.3 75.5





#11
Methyl Iodide
Concen: 18.048 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

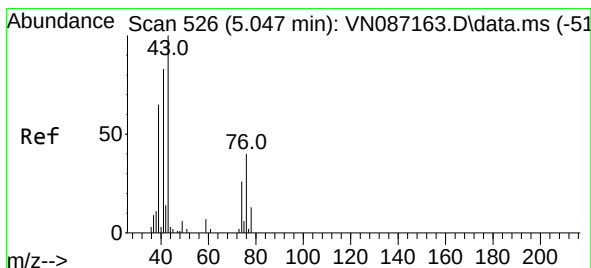
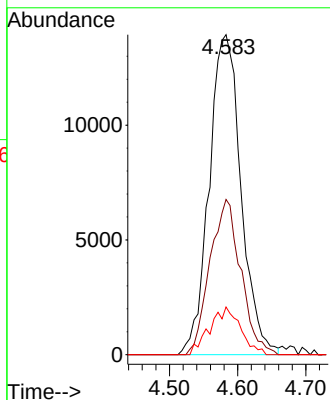
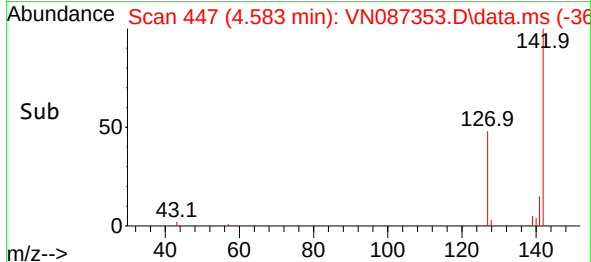
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 45400
Ion Ratio Lower Upper
142 100
127 49.0 18.1 54.1
141 15.1 5.7 17.1

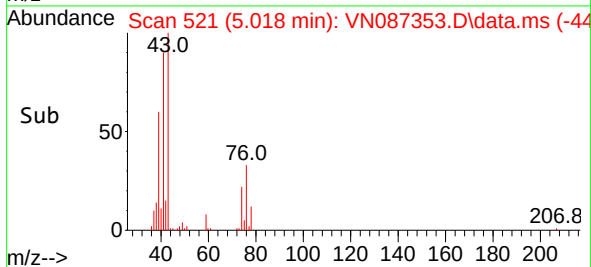
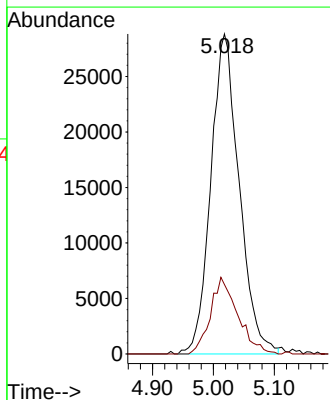
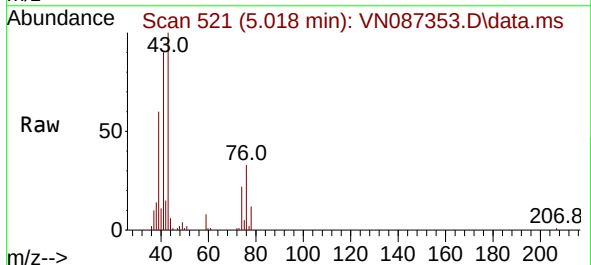
Manual Integrations
APPROVED

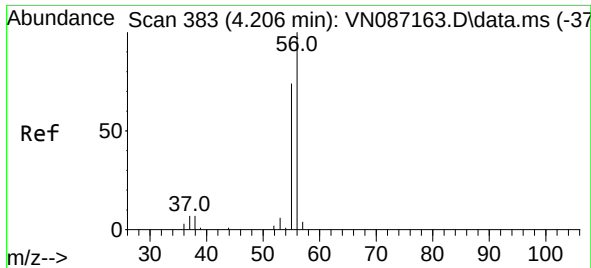
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#12
Methyl Acetate
Concen: 21.184 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 43 Resp: 93314
Ion Ratio Lower Upper
43 100
74 21.9 20.3 30.5





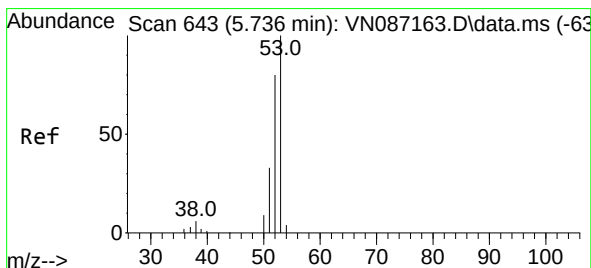
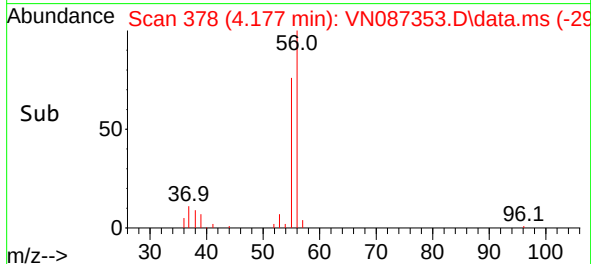
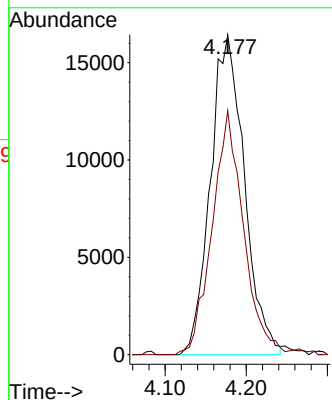
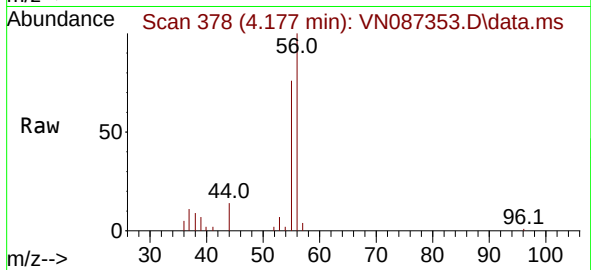
#13
Acrolein
Concen: 70.510 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 47724
Ion Ratio Lower Upper
56 100
55 70.2 55.7 83.5

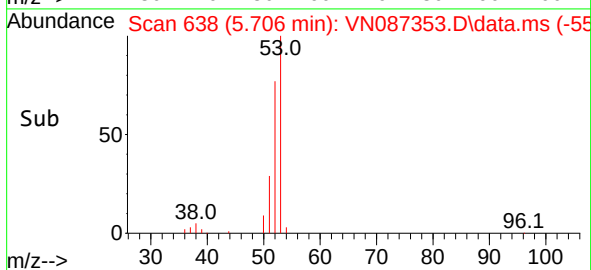
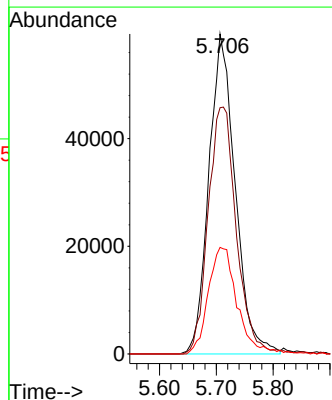
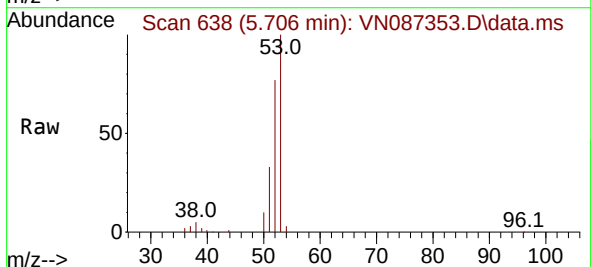
Manual Integrations
APPROVED

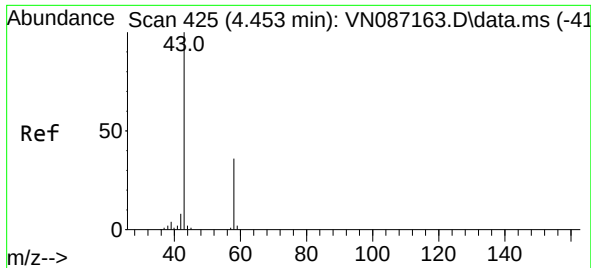
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#14
Acrylonitrile
Concen: 93.047 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

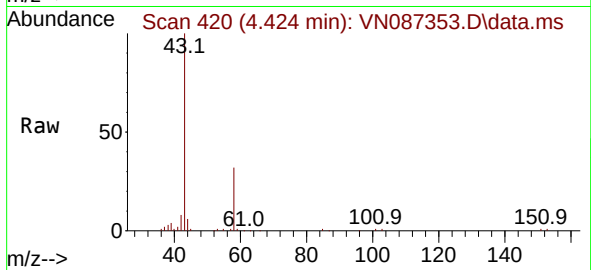
Tgt Ion: 53 Resp: 191174
Ion Ratio Lower Upper
53 100
52 81.9 40.5 121.5
51 35.3 16.9 50.7





#15
Acetone
Concen: 89.609 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

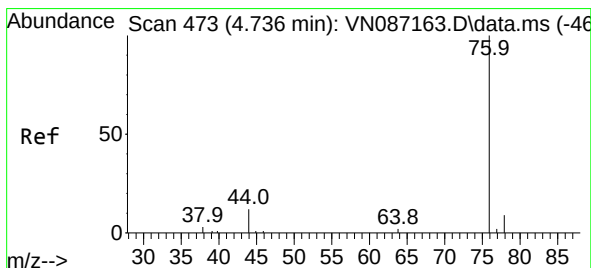
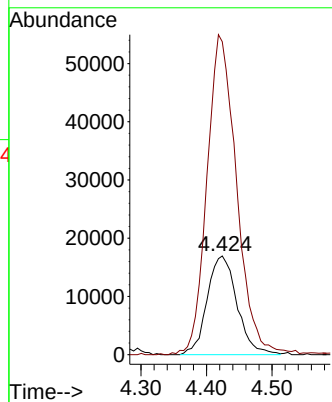
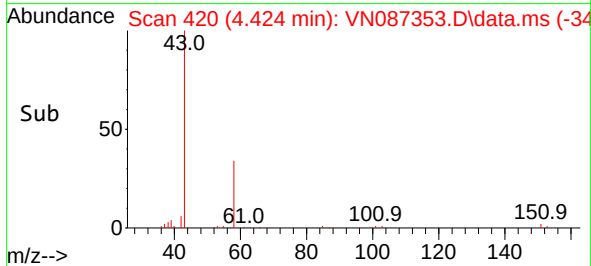
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



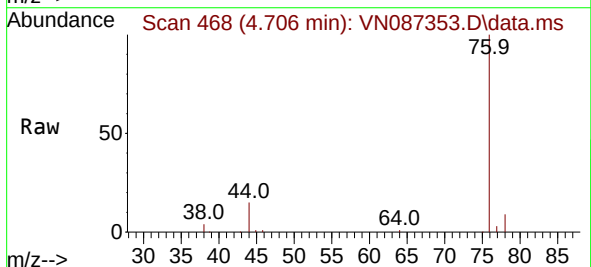
Tgt Ion: 58 Resp: 5370
Ion Ratio Lower Upper
58 100
43 312.9 224.3 336.5

Manual Integrations
APPROVED

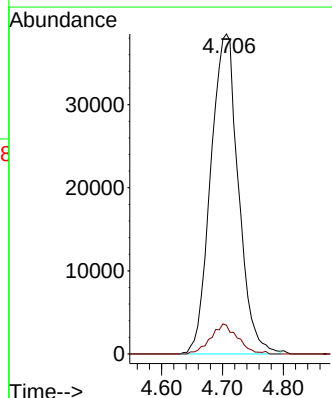
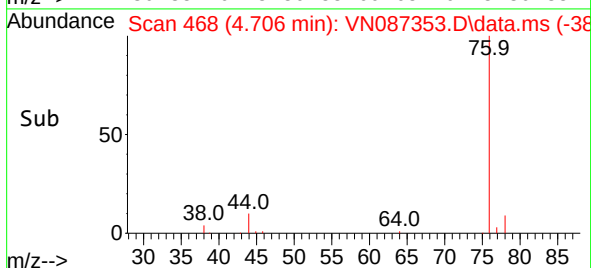
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

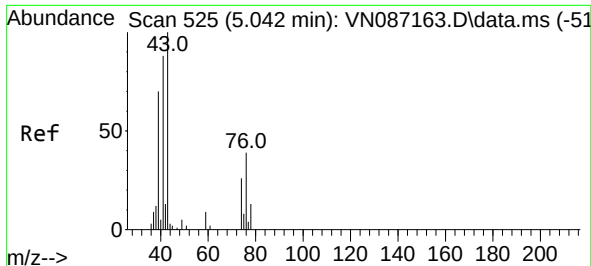


#16
Carbon Disulfide
Concen: 14.829 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



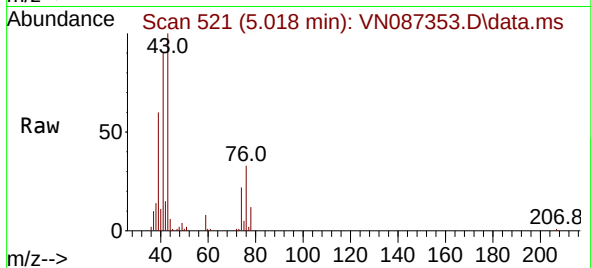
Tgt Ion: 76 Resp: 121756
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8





#17
Allyl chloride
Concen: 18.523 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

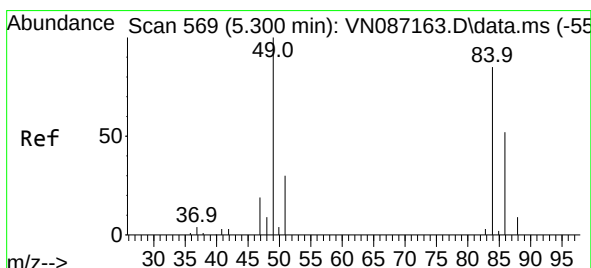
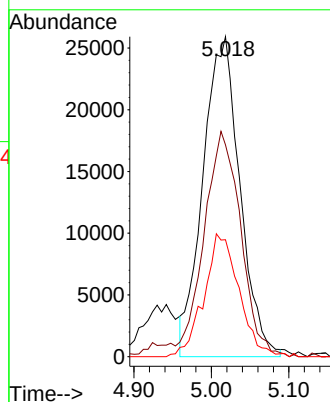
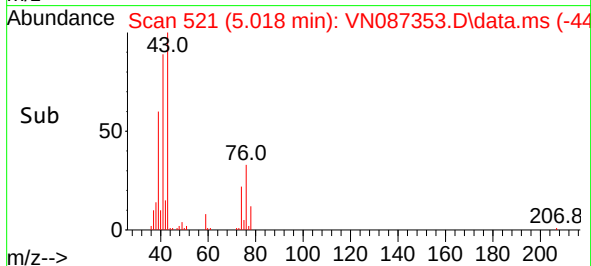
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 41 Resp: 8579
Ion Ratio Lower Upper
41 100
39 66.5 36.0 108.0
76 36.5 19.5 58.5

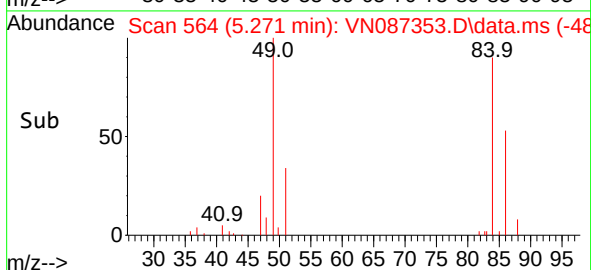
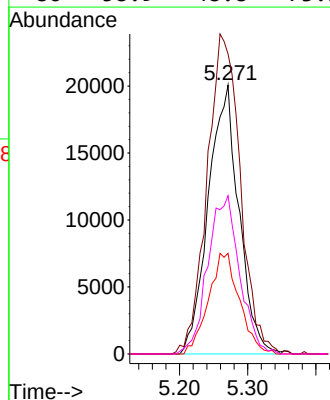
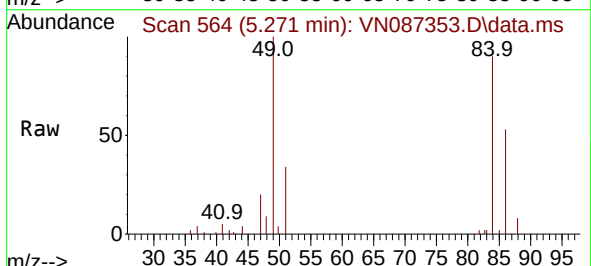
Manual Integrations
APPROVED

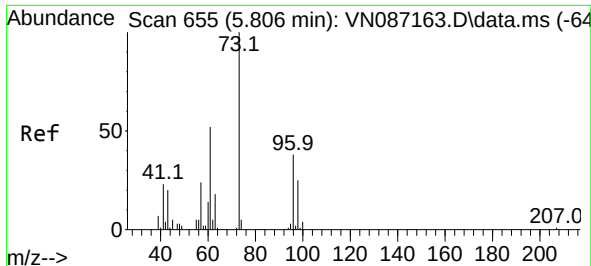
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#18
Methylene Chloride
Concen: 19.279 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

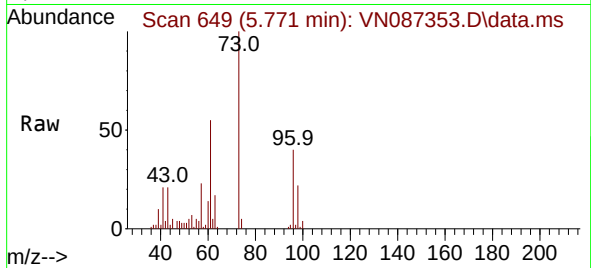
Tgt Ion: 84 Resp: 62718
Ion Ratio Lower Upper
84 100
49 111.6 94.0 141.0
51 37.5 28.3 42.5
86 58.9 48.8 73.2





#19
trans-1,2-Dichloroethene
Concen: 16.843 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.035 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

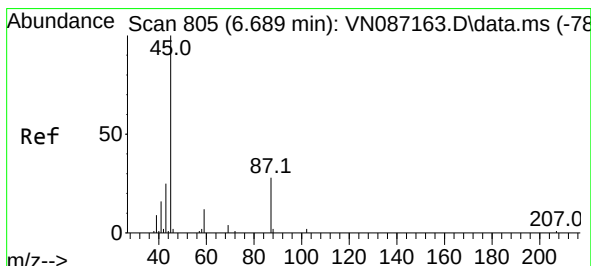
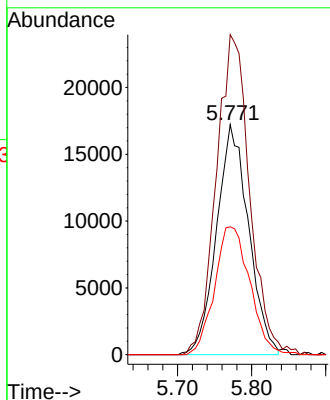
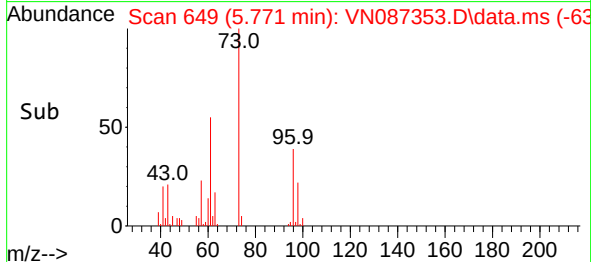
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 51720
Ion Ratio Lower Upper
96 100
61 139.1 110.3 165.5
98 55.6 51.6 77.4

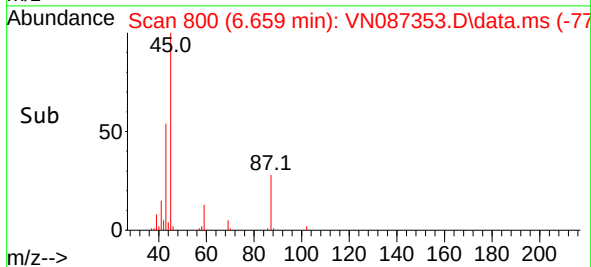
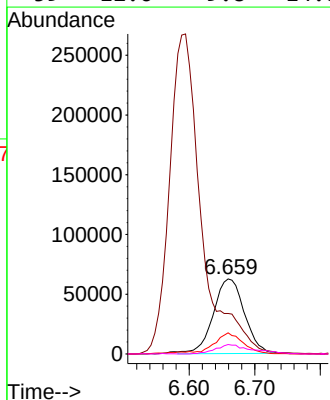
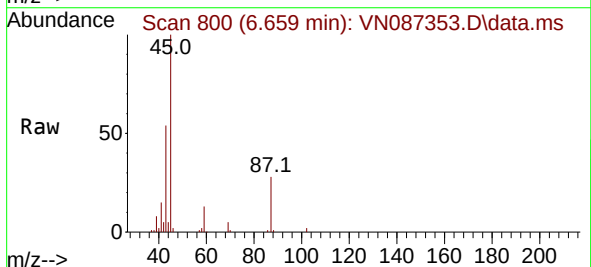
Manual Integrations
APPROVED

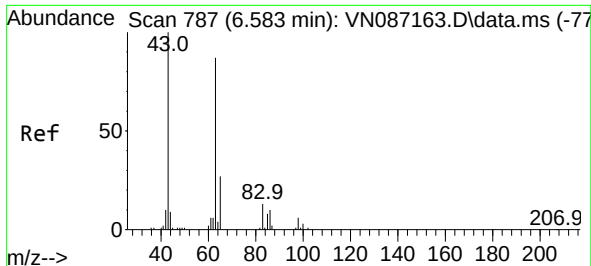
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#20
Diisopropyl ether
Concen: 20.878 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 45 Resp: 205164
Ion Ratio Lower Upper
45 100
43 52.6 45.3 67.9
87 28.0 22.6 33.8
59 12.6 9.8 14.8





#21

1,1-Dichloroethane

Concen: 19.029 ug/l

RT: 6.553 min Scan# 71

Delta R.T. -0.029 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 111760

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

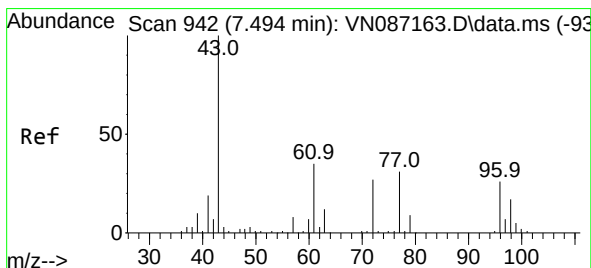
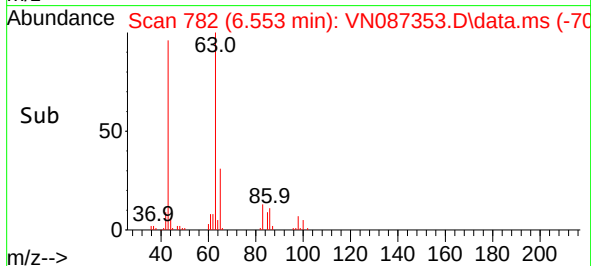
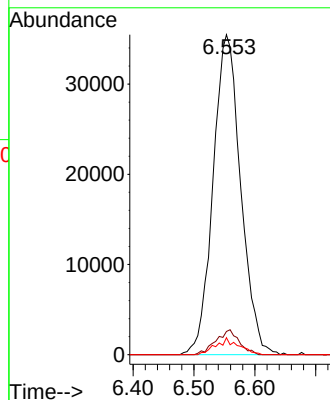
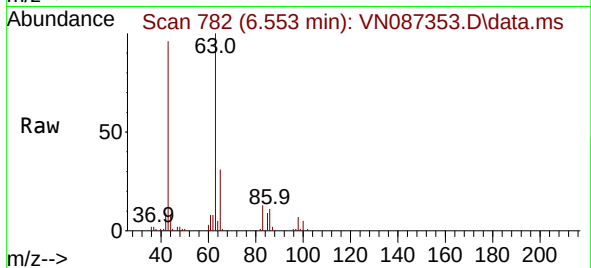
100 5.3 2.0 5.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#22

cis-1,2-Dichloroethene

Concen: 18.471 ug/l

RT: 7.471 min Scan# 938

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

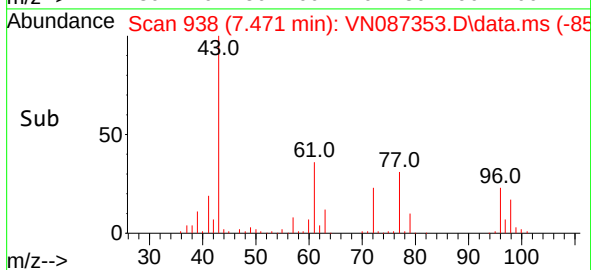
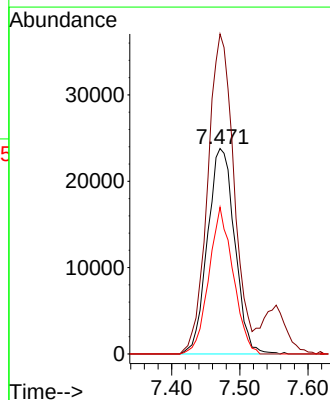
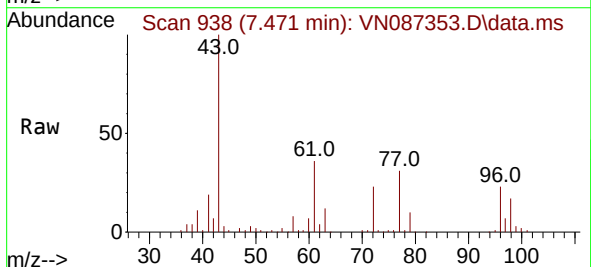
Tgt Ion: 96 Resp: 66017

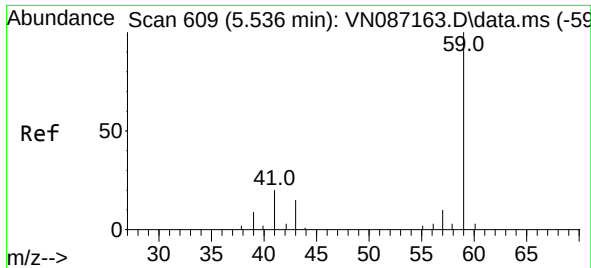
Ion Ratio Lower Upper

96 100

61 150.2 119.2 178.8

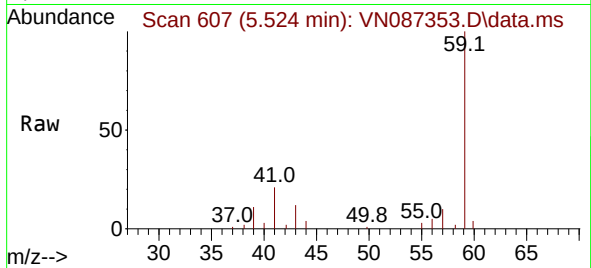
98 63.7 50.6 75.8





#23
tert-Butyl Alcohol
Concen: 90.368 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

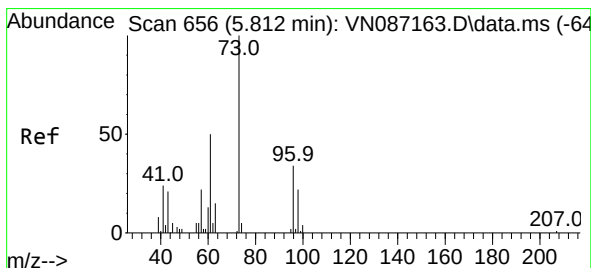
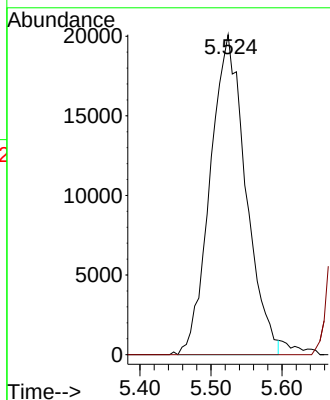
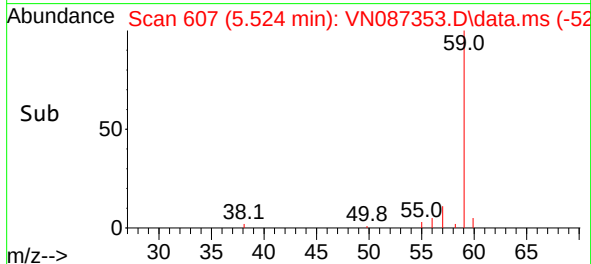
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



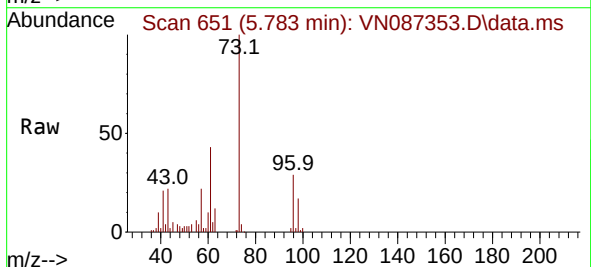
Tgt Ion: 59 Resp: 69820
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

Manual Integrations
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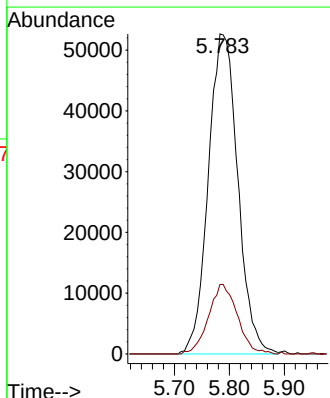
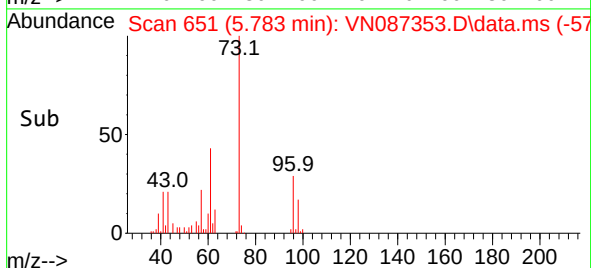
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

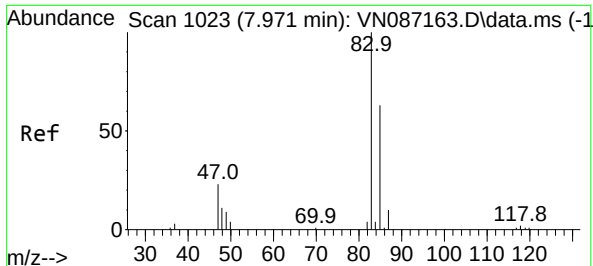


#24
Methyl tert-Butyl Ether
Concen: 19.914 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



Tgt Ion: 73 Resp: 196135
Ion Ratio Lower Upper
73 100
43 21.3 16.4 24.6





#25

Chloroform

Concen: 20.210 ug/l

RT: 7.953 min Scan# 1069

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 113710

Ion Ratio Lower Upper

83 100

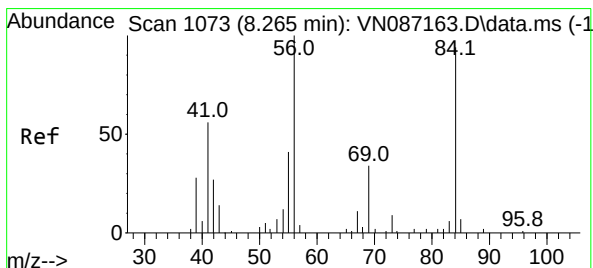
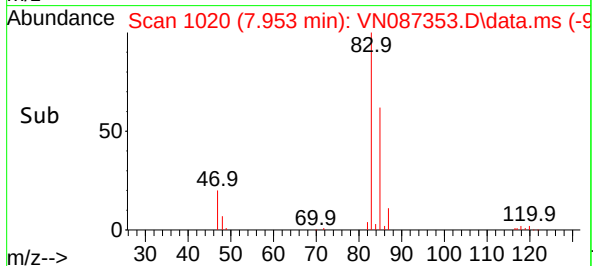
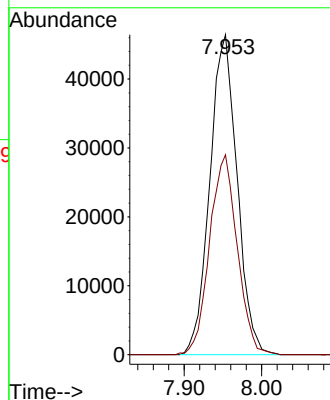
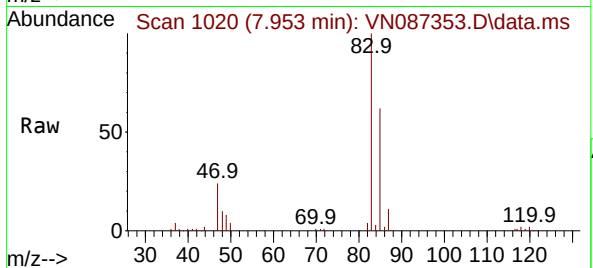
85 62.4 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#26

Cyclohexane

Concen: 16.454 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

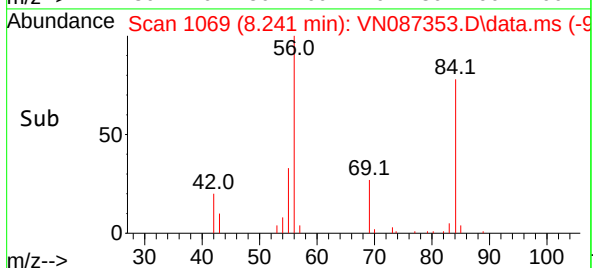
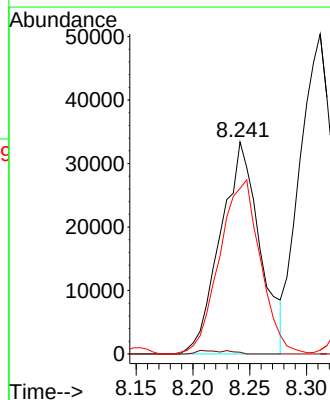
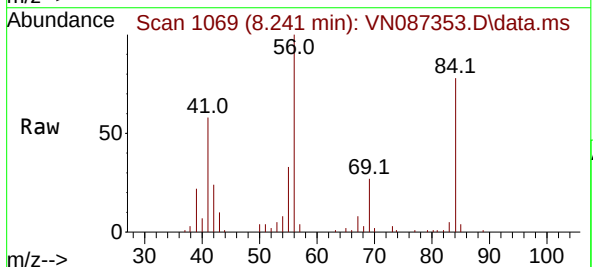
Tgt Ion: 56 Resp: 80329

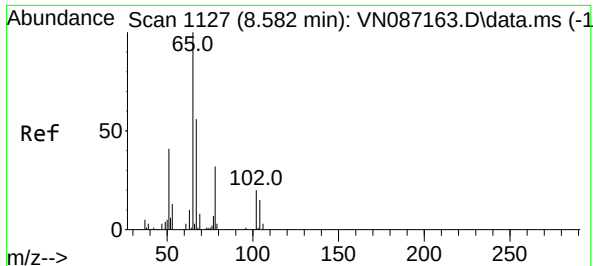
Ion Ratio Lower Upper

56 100

89 0.5 6.9 10.3#

84 85.5 69.1 103.7





#27

1,2-Dichloroethane-d4

Concen: 32.525 ug/l

RT: 8.565 min Scan# 1127

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 65 Resp: 11360

Ion Ratio Lower Upper

65 100

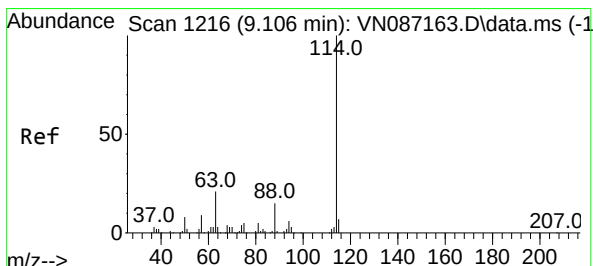
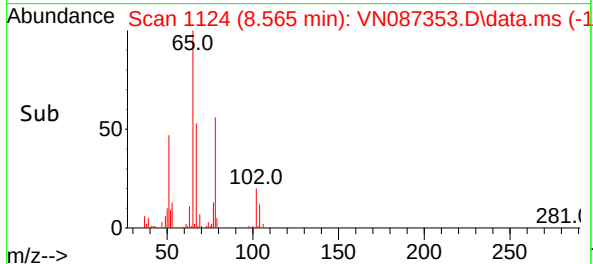
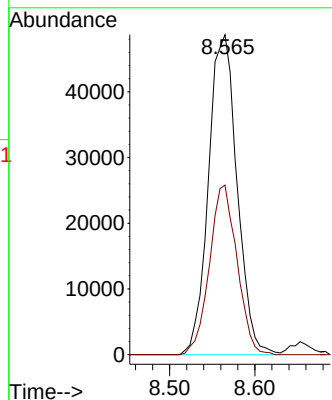
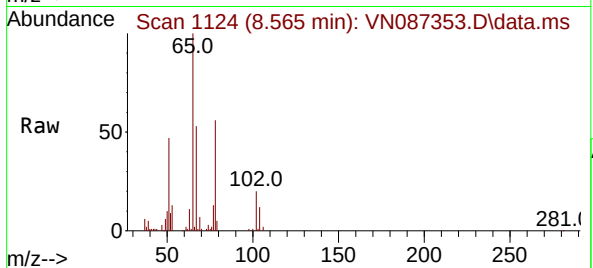
67 51.0 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

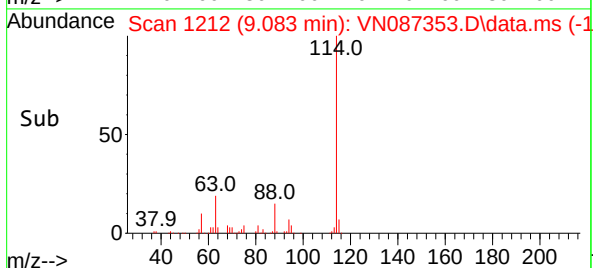
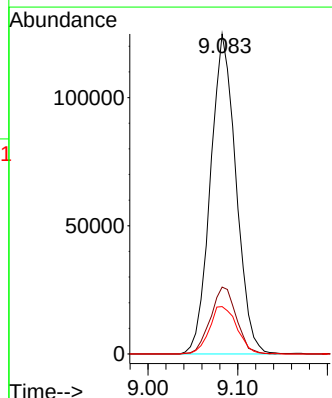
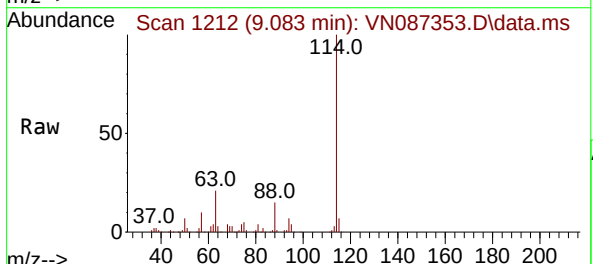
Tgt Ion:114 Resp: 246415

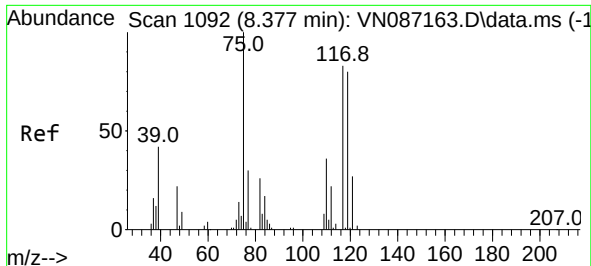
Ion Ratio Lower Upper

114 100

63 21.2 17.0 25.4

88 16.0 12.6 19.0





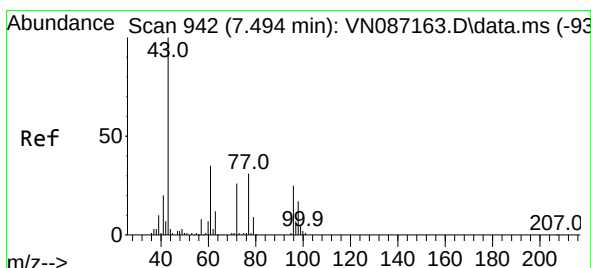
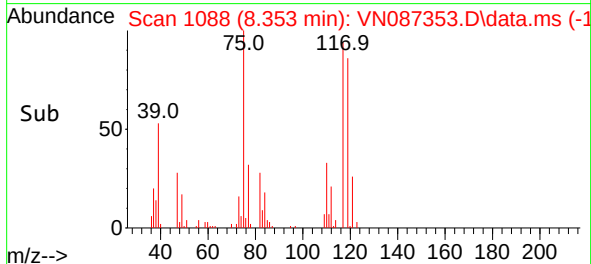
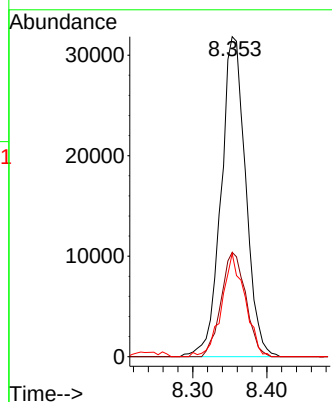
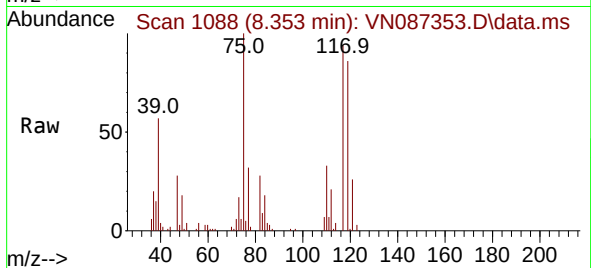
#29
1,1-Dichloropropene
Concen: 19.096 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75	Resp: 7334
Ion Ratio	Lower Upper
75 100	
110 32.7	0.0 69.2
77 30.2	0.0 61.8

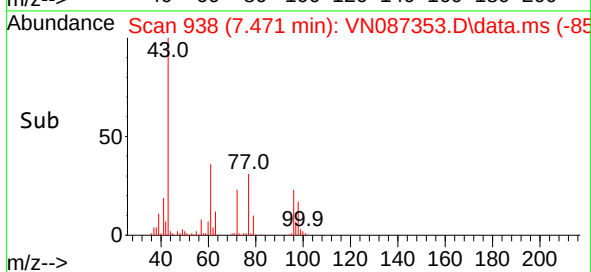
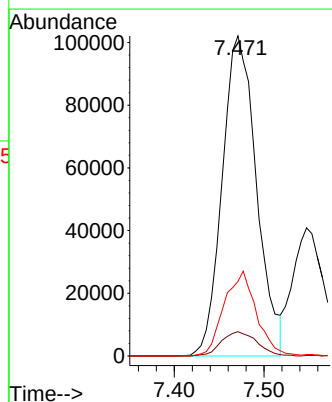
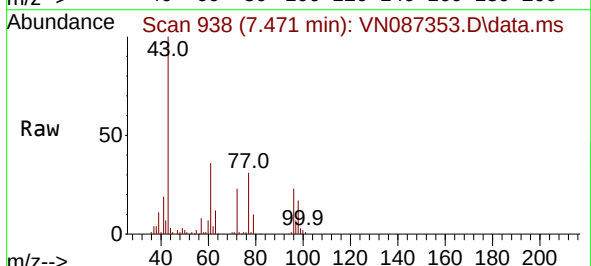
Manual Integrations
APPROVED

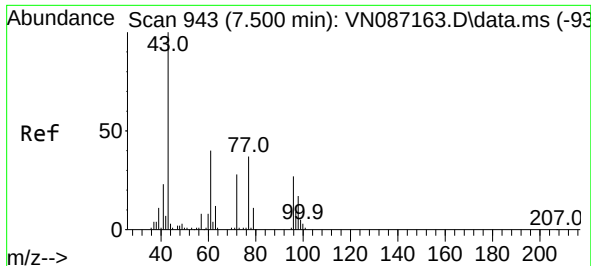
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#30
2-Butanone
Concen: 104.734 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

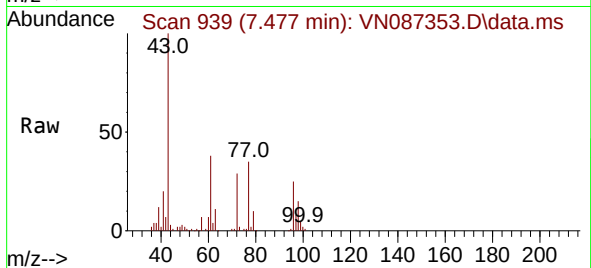
Tgt Ion: 43	Resp: 271343
Ion Ratio	Lower Upper
43 100	
57 7.9	6.3 9.5
72 24.9	21.8 32.6





#31
2,2-Dichloropropane
Concen: 19.929 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

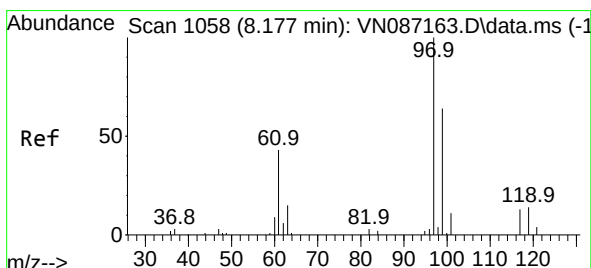
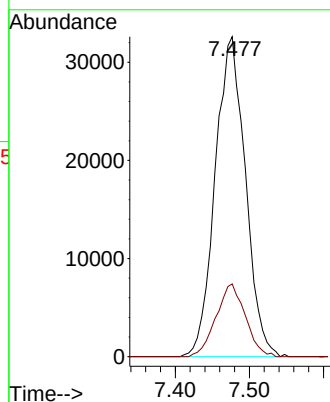
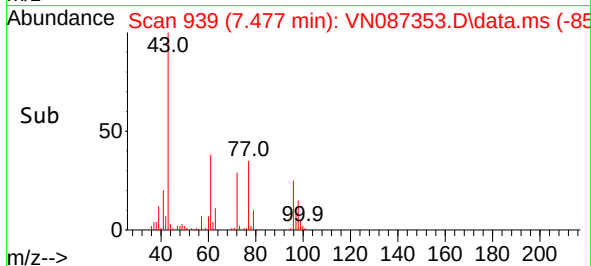
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



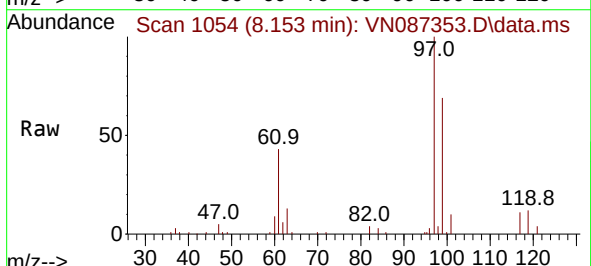
Tgt Ion: 77 Resp: 92394
Ion Ratio Lower Upper
77 100
97 22.1 18.4 27.6

Manual Integrations
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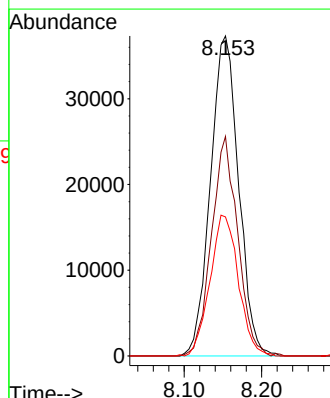
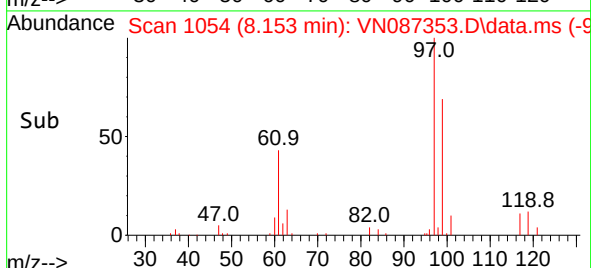
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

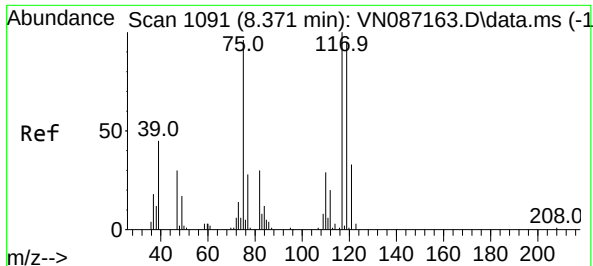


#32
1,1,1-Trichloroethane
Concen: 21.058 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



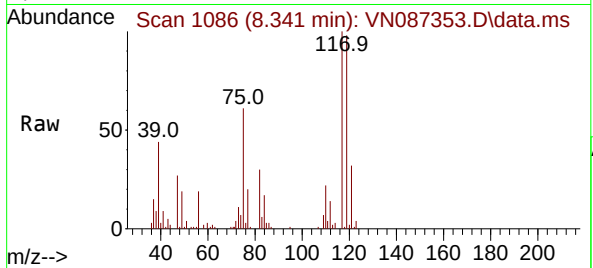
Tgt Ion: 97 Resp: 94489
Ion Ratio Lower Upper
97 100
99 63.7 50.8 76.2
61 44.4 36.1 54.1





#33
Carbon Tetrachloride
Concen: 21.079 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

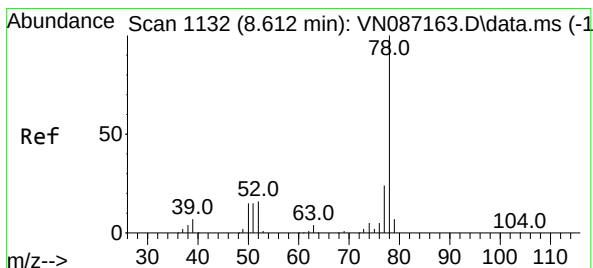
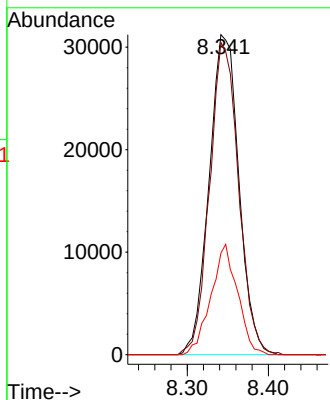
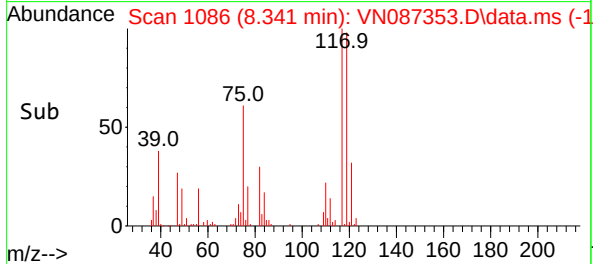
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 117 Resp: 7959
Ion Ratio Lower Upper
117 100
119 97.6 75.8 113.6
121 31.7 26.2 39.4

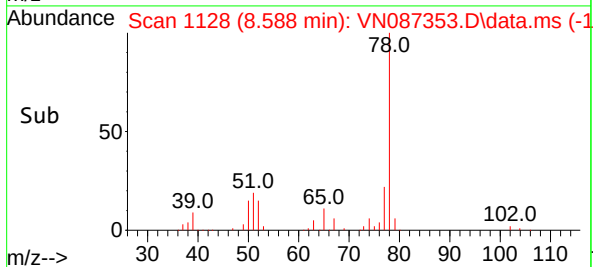
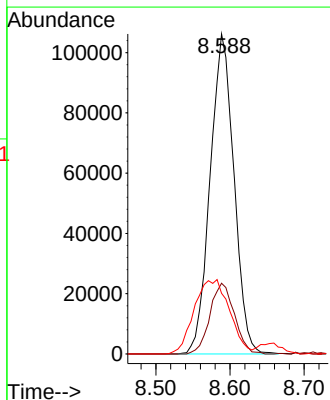
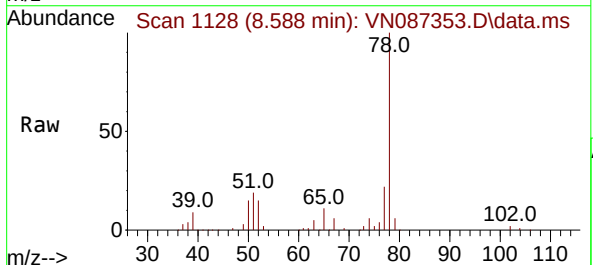
Manual Integrations
APPROVED

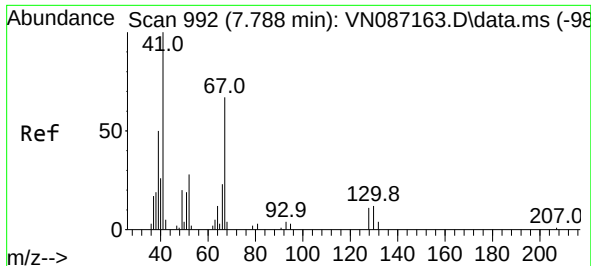
Reviewed By : John Carlone 07/21/2025
Supervised By : Mahesh Dadoda 07/21/2025



#34
Benzene
Concen: 19.473 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 78 Resp: 236944
Ion Ratio Lower Upper
78 100
77 22.1 19.5 29.3
51 17.5 14.8 22.2





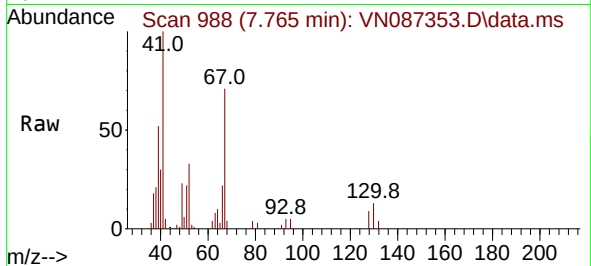
#35
Methacrylonitrile
Concen: 21.818 ug/l
RT: 7.765 min Scan# 91
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



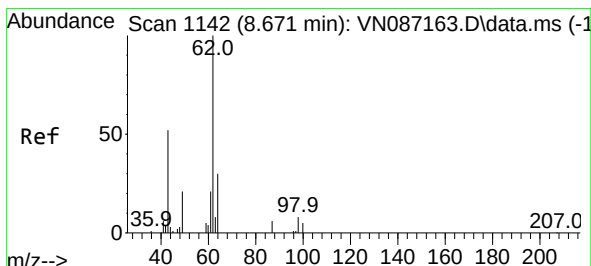
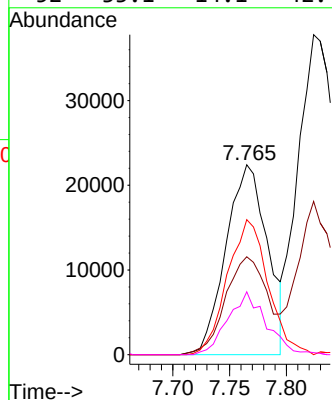
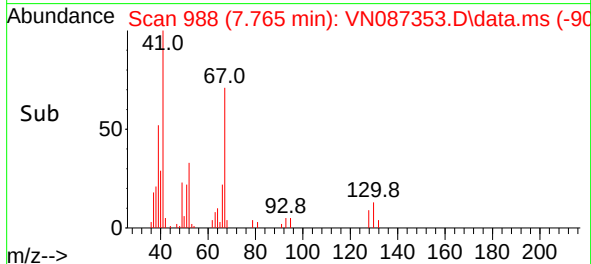
Tgt Ion: 41 Resp: 5696
Ion Ratio Lower Upper
41 100
39 51.6 24.4 73.2
67 71.1 33.3 99.8
52 33.1 14.1 42.4

Manual Integrations

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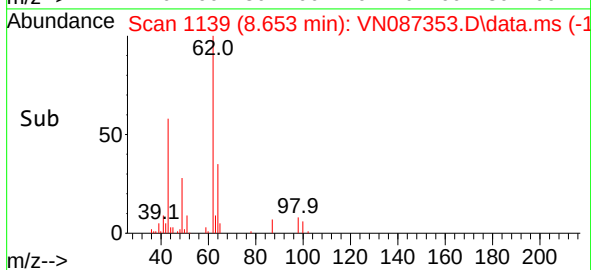
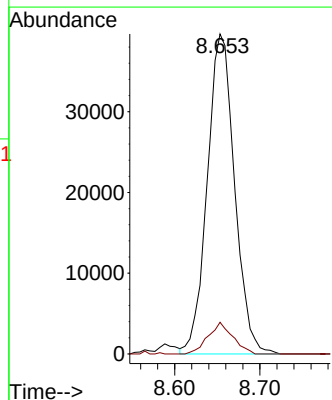
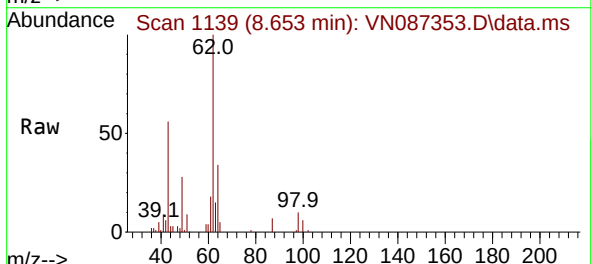
Reviewed By :John Carlone 07/21/2025

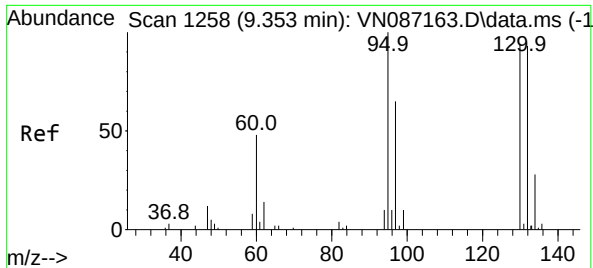
Supervised By :Mahesh Dadoda 07/21/2025



#36
1,2-Dichloroethane
Concen: 22.510 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

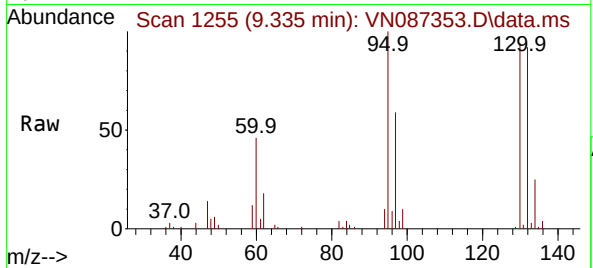
Tgt Ion: 62 Resp: 88492
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8





#37
Trichloroethene
Concen: 18.781 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

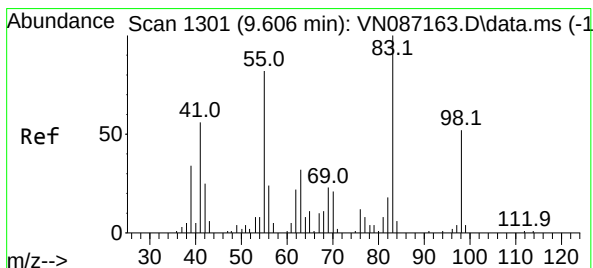
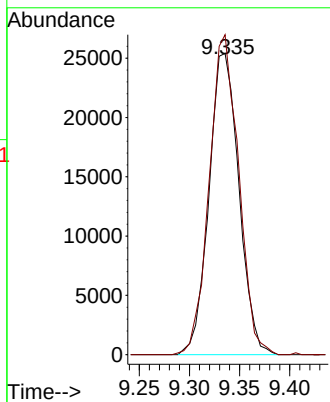
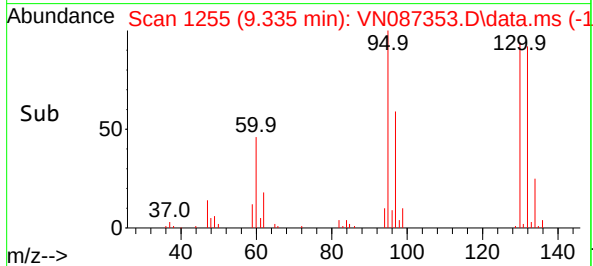
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



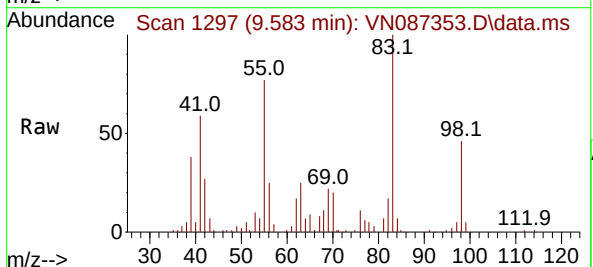
Tgt Ion:130 Resp: 52709
Ion Ratio Lower Upper
130 100
95 106.2 85.3 127.9

Manual Integrations
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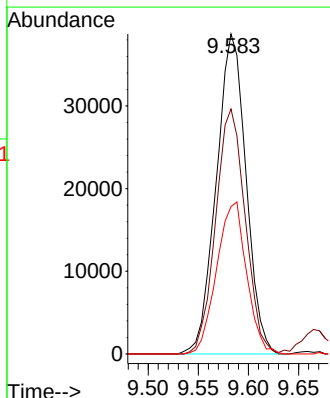
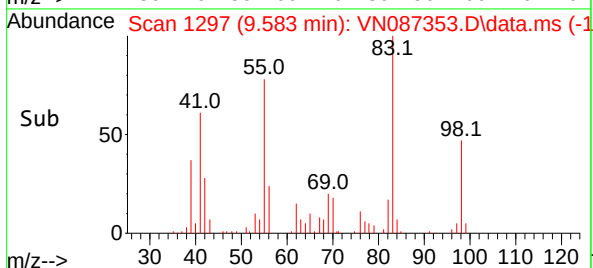
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

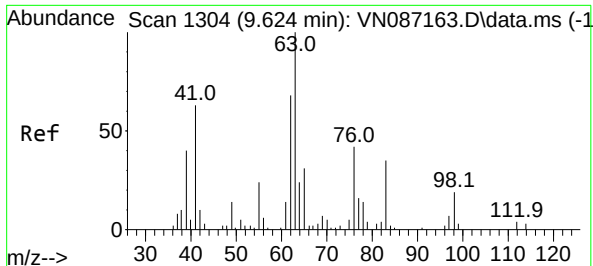


#38
Methylcyclohexane
Concen: 18.137 ug/l
RT: 9.583 min Scan# 1297
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



Tgt Ion: 83 Resp: 79927
Ion Ratio Lower Upper
83 100
55 76.1 40.1 120.2
98 47.7 24.4 73.2





#39

1,2-Dichloropropane

Concen: 20.373 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 62218

Ion Ratio Lower Upper

63 100

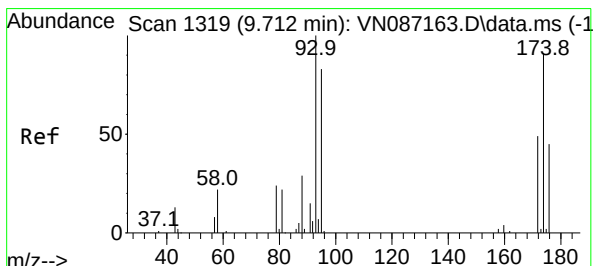
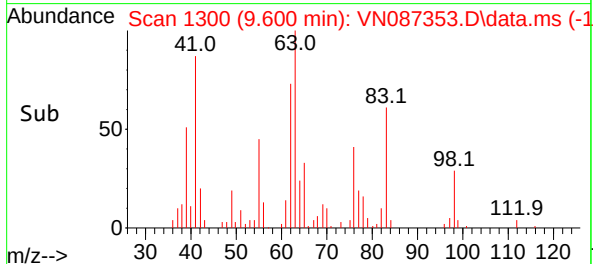
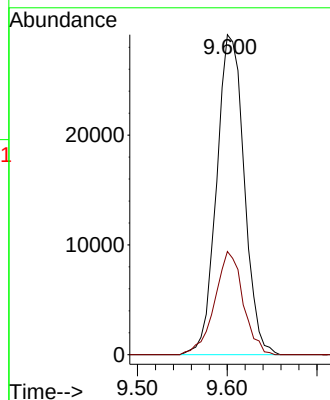
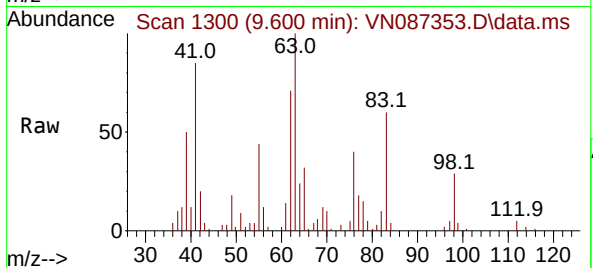
65 32.2 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#40

Dibromomethane

Concen: 21.197 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

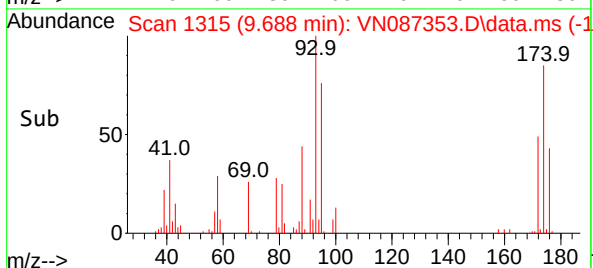
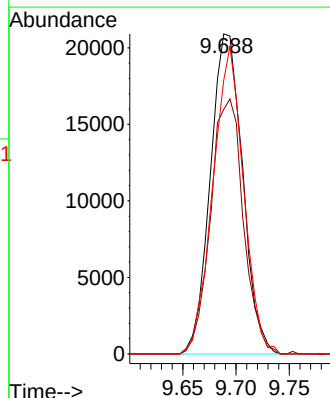
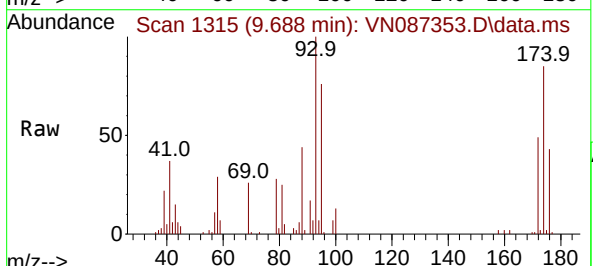
Tgt Ion: 93 Resp: 44019

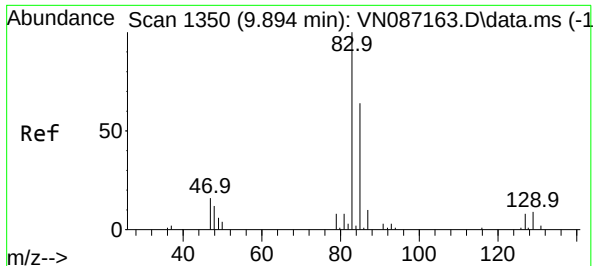
Ion Ratio Lower Upper

93 100

95 80.8 0.0 170.8

174 91.2 0.0 176.6





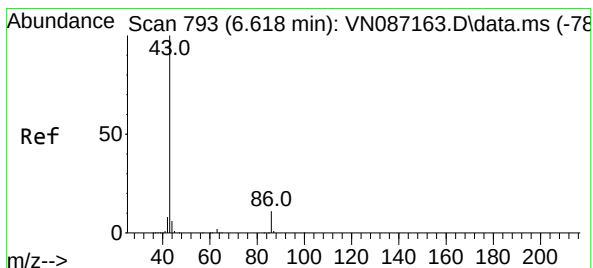
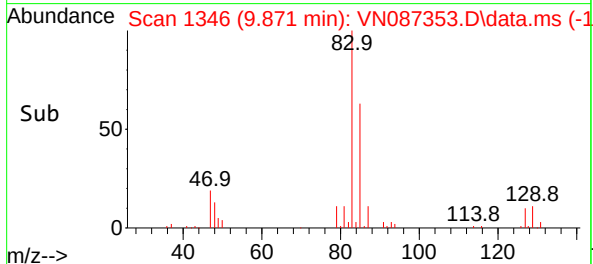
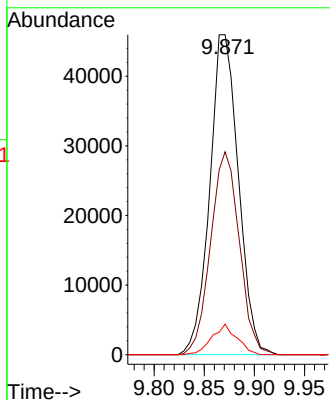
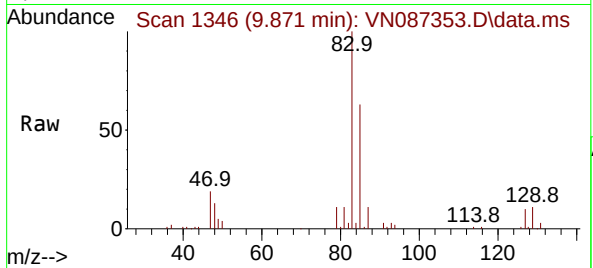
#41
Bromodichloromethane
Concen: 21.852 ug/l
RT: 9.871 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 9159
Ion Ratio Lower Upper
83 100
85 63.4 51.4 77.2
127 9.6 6.1 9.1

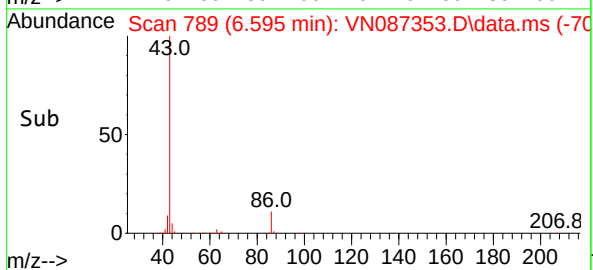
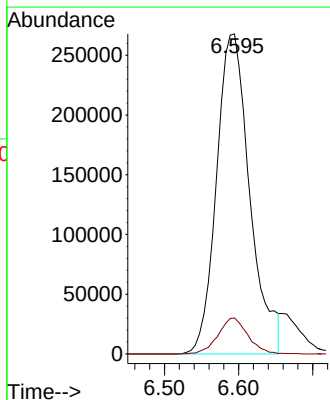
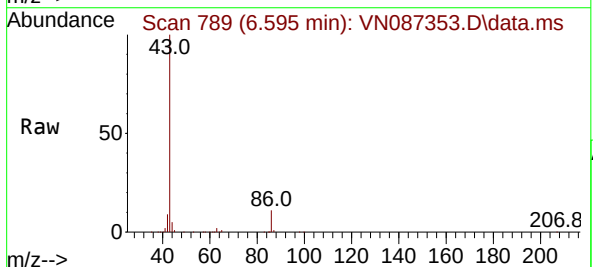
Manual Integrations
APPROVED

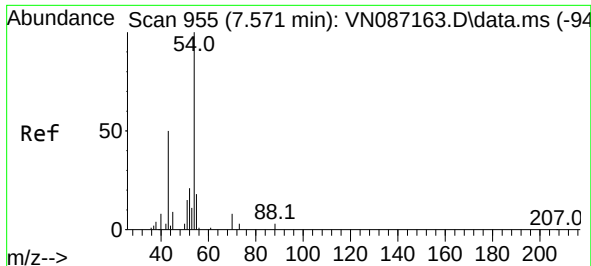
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#42
Vinyl Acetate
Concen: 99.305 ug/l
RT: 6.595 min Scan# 789
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

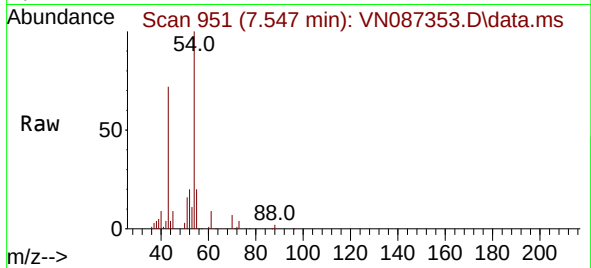
Tgt Ion: 43 Resp: 836803
Ion Ratio Lower Upper
43 100
86 10.0 7.7 11.5





#43
Ethyl Acetate
Concen: 22.371 ug/l
RT: 7.547 min Scan# 91
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

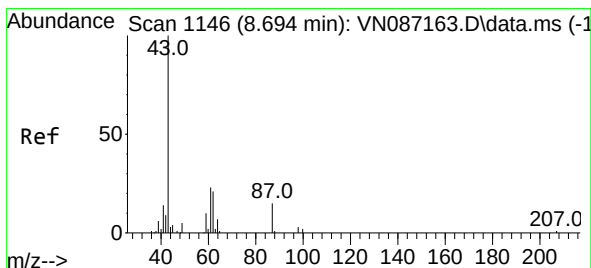
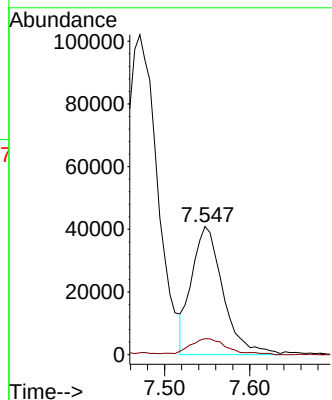
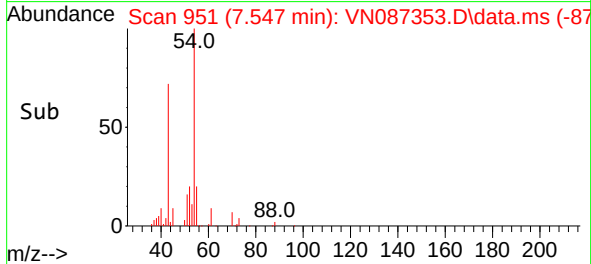
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 104620
Ion Ratio Lower Upper
43 100
45 12.1 11.5 17.3

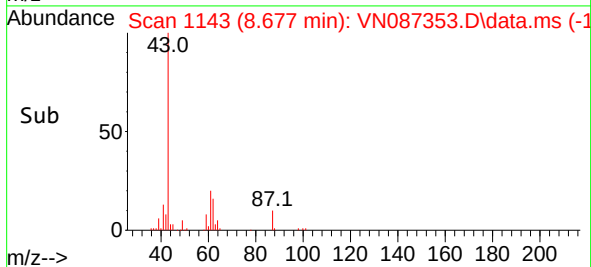
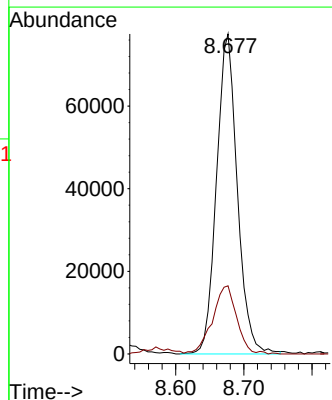
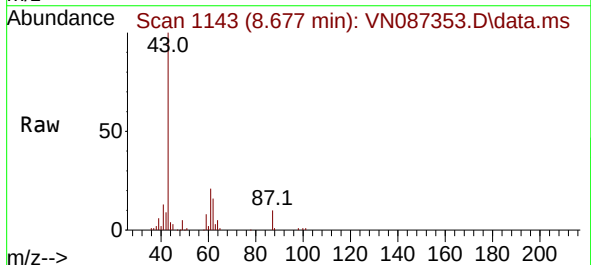
Manual Integrations
APPROVED

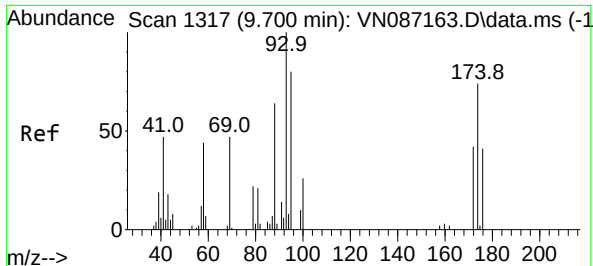
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#44
Isopropyl Acetate
Concen: 21.582 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

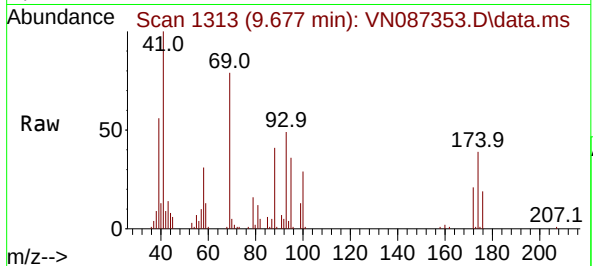
Tgt Ion: 43 Resp: 164459
Ion Ratio Lower Upper
43 100
61 24.5 20.5 30.7





#45
1,4-Dioxane
Concen: 435.529 ug/l
RT: 9.677 min Scan# 1311
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

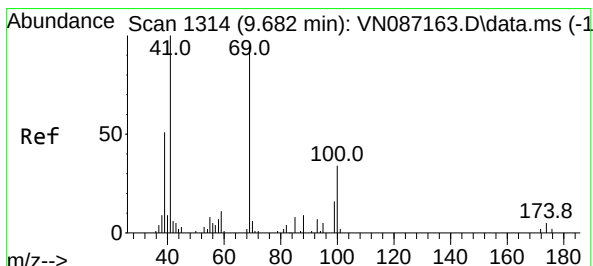
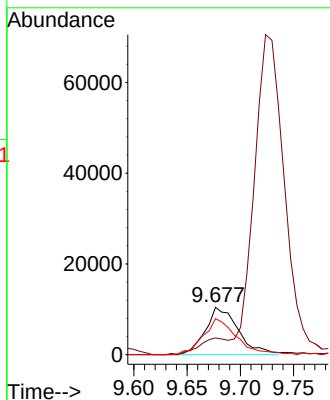
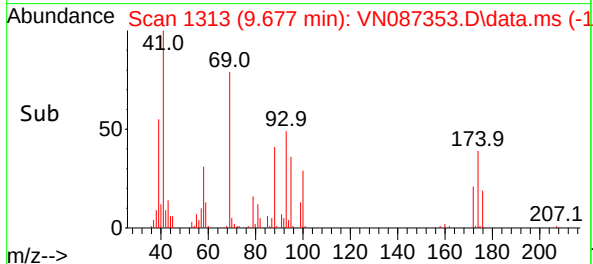
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 88 Resp: 22450
Ion Ratio Lower Upper
88 100
43 30.4 21.3 31.9
58 77.1 61.7 92.5

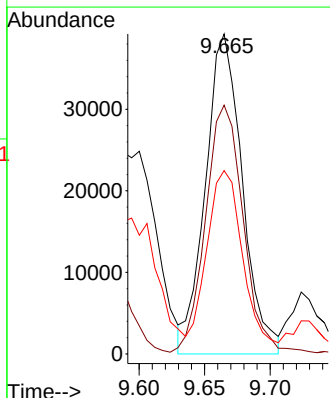
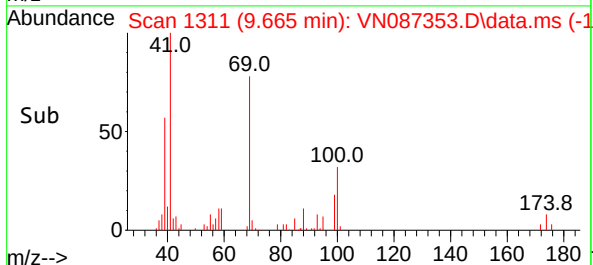
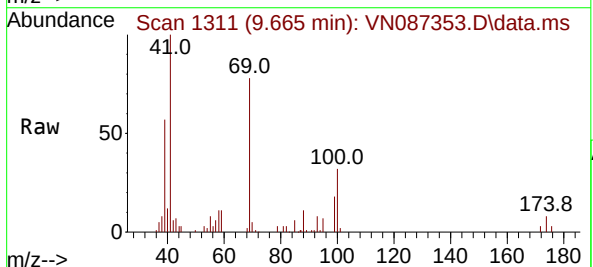
Manual Integrations
APPROVED

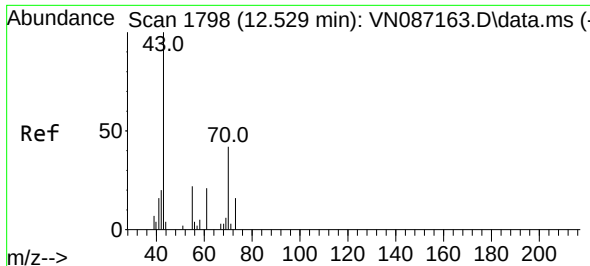
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#46
Methyl methacrylate
Concen: 21.690 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

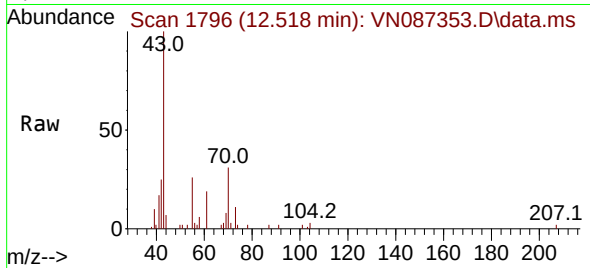
Tgt Ion: 41 Resp: 76833
Ion Ratio Lower Upper
41 100
69 80.4 45.6 136.9
39 56.9 26.2 78.5





#47
n-amy1 Acetate
Concen: 23.721 ug/l m
RT: 12.518 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

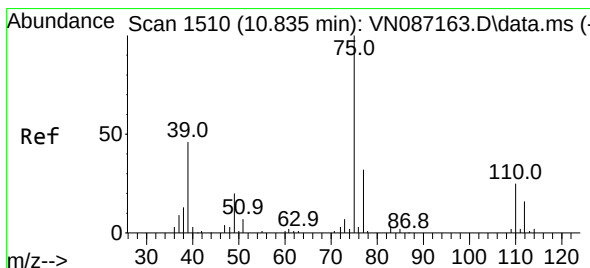
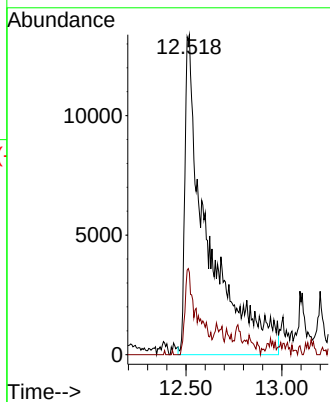
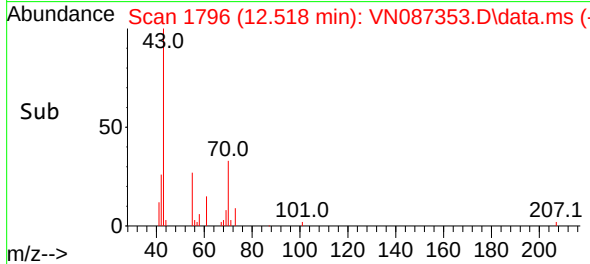
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 110510
Ion Ratio Lower Upper
43 100
55 7.2 0.0 0.0

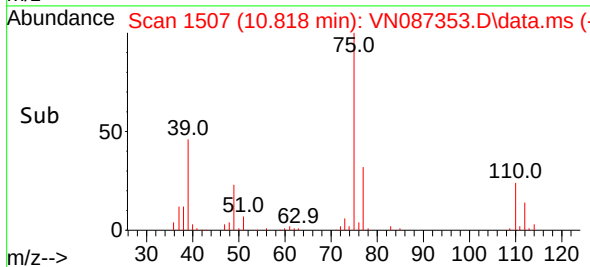
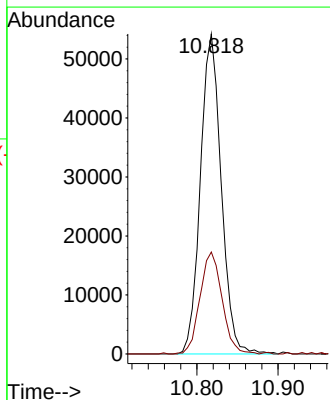
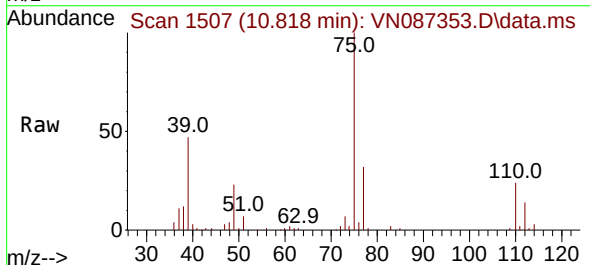
Manual Integrations
APPROVED

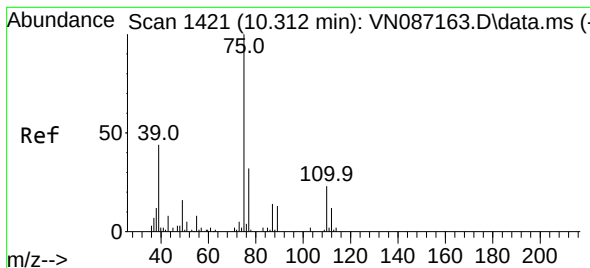
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#48
t-1,3-Dichloropropene
Concen: 20.708 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

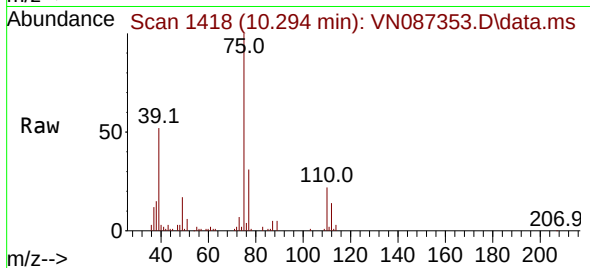
Tgt Ion: 75 Resp: 96762
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0





#49
 cis-1,3-Dichloropropene
 Concen: 20.330 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. -0.018 min
 Lab File: VN087353.D
 Acq: 18 Jul 2025 09:15

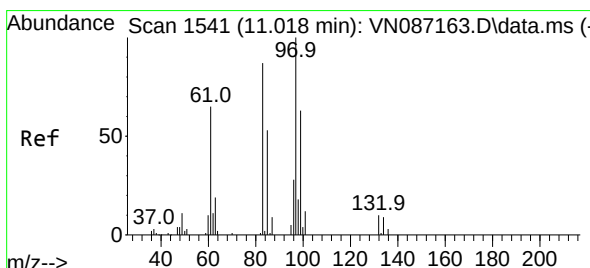
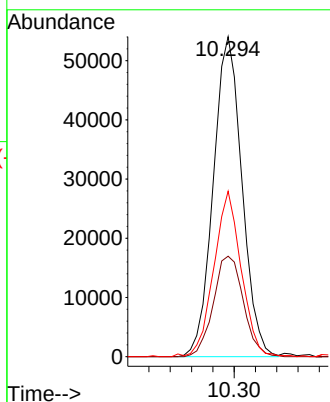
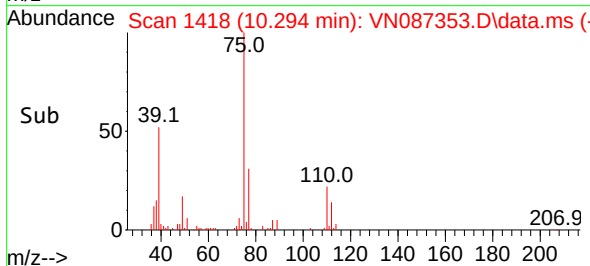
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 75 Resp: 100992
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.2
 39 51.4 35.3 52.9

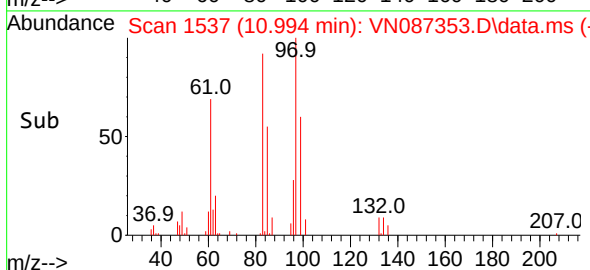
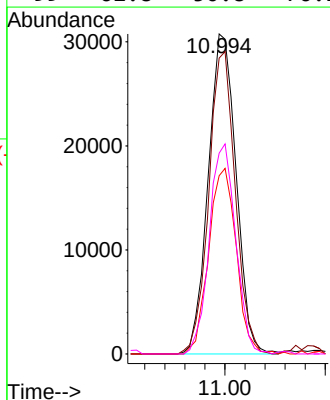
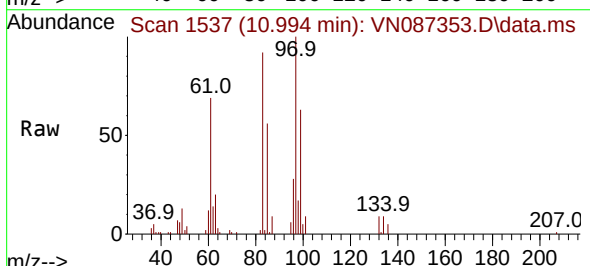
Manual Integrations
 APPROVED

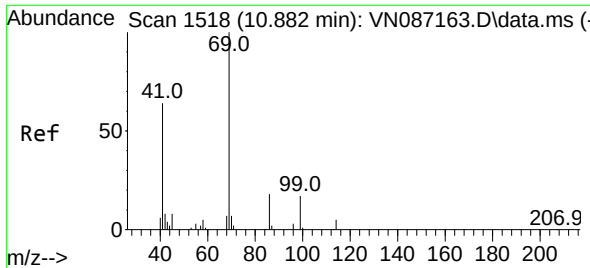
Reviewed By :John Carlone 07/21/2025
 Supervised By :Mahesh Dadoda 07/21/2025



#50
 1,1,2-Trichloroethane
 Concen: 20.144 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. -0.023 min
 Lab File: VN087353.D
 Acq: 18 Jul 2025 09:15

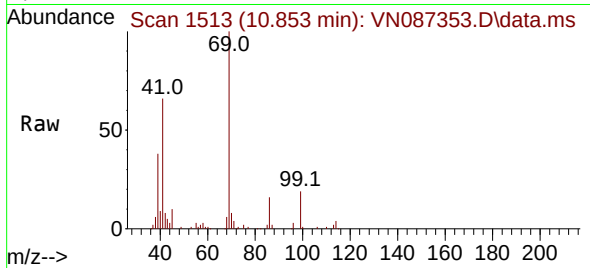
Tgt Ion: 97 Resp: 59421
 Ion Ratio Lower Upper
 97 100
 83 92.4 69.6 104.4
 85 55.7 42.0 63.0
 99 62.8 50.8 76.2





#51
Ethyl methacrylate
Concen: 21.202 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

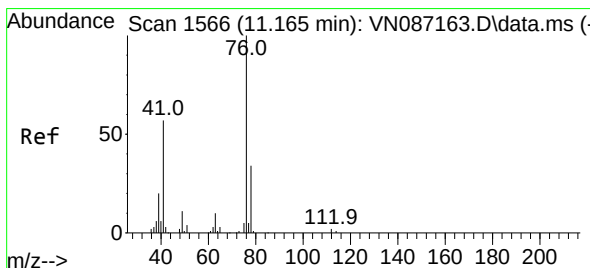
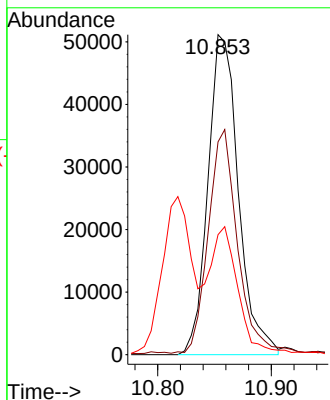
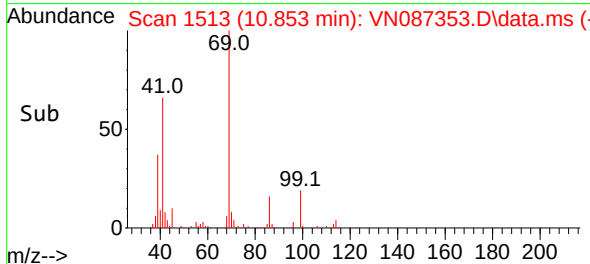
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 9519
Ion Ratio Lower Upper
69 100
41 65.6 31.8 95.3
39 36.1 15.3 45.8

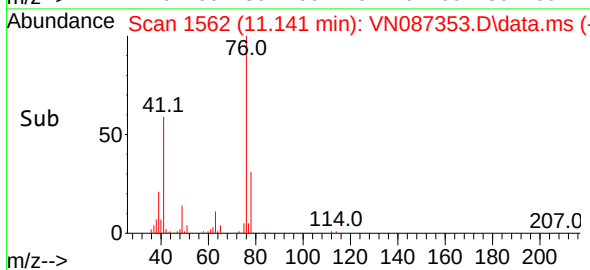
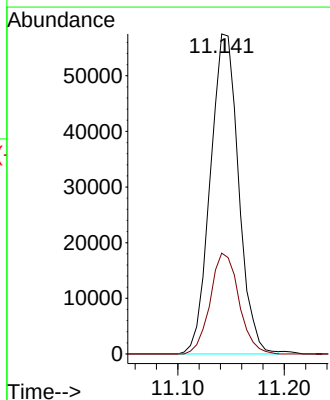
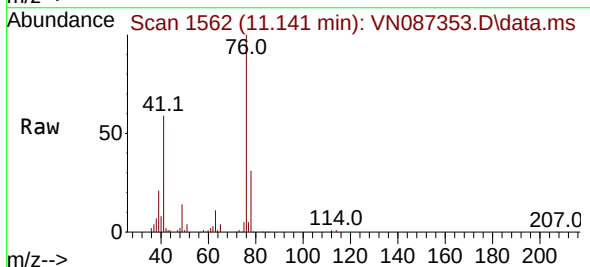
Manual Integrations
APPROVED

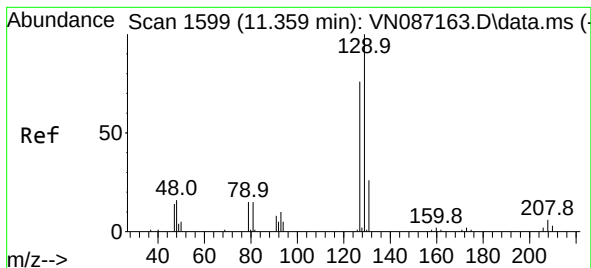
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#52
1,3-Dichloropropane
Concen: 20.936 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 76 Resp: 106028
Ion Ratio Lower Upper
76 100
78 31.9 0.0 63.0





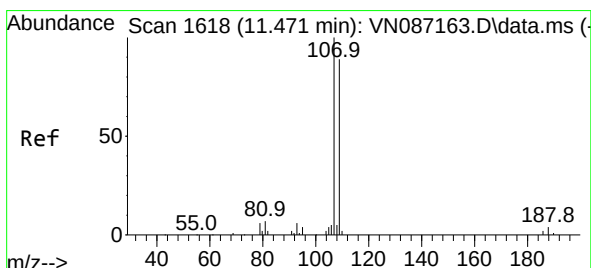
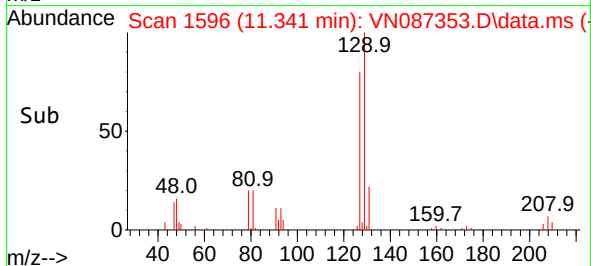
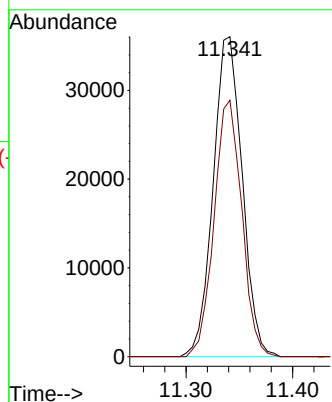
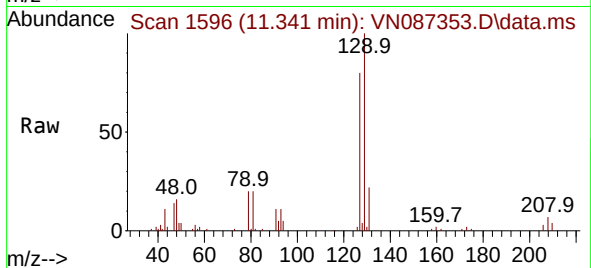
#53
Dibromochloromethane
Concen: 22.052 ug/l
RT: 11.341 min Scan# 11341
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:129 Resp: 6828
Ion Ratio Lower Upper
129 100
127 76.4 39.6 118.8

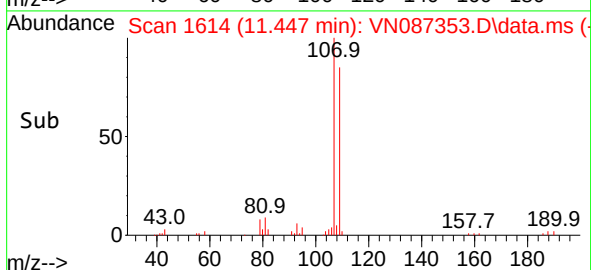
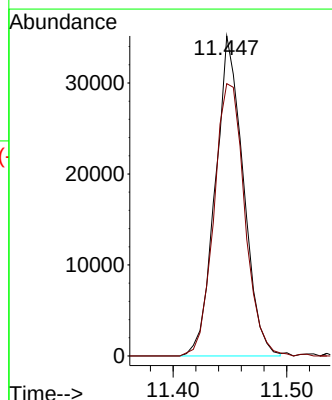
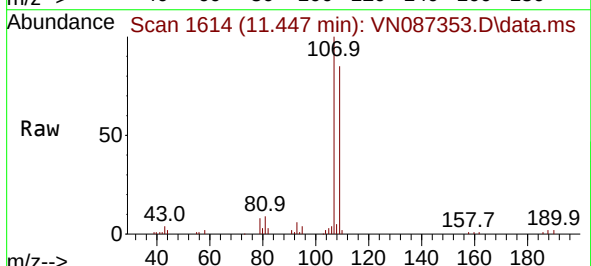
Manual Integrations
APPROVED

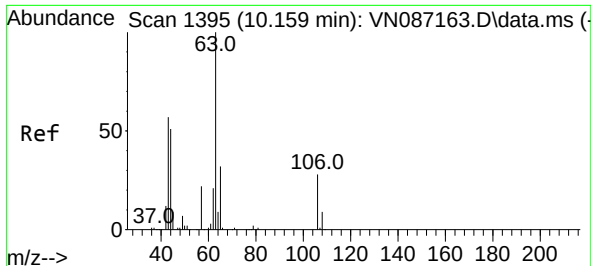
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#54
1,2-Dibromoethane
Concen: 19.793 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

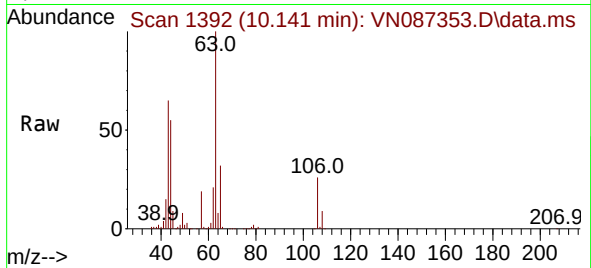
Tgt Ion:107 Resp: 60238
Ion Ratio Lower Upper
107 100
109 93.4 73.5 110.3





#55
2-Chloroethyl vinyl ether
Concen: 102.481 ug/l
RT: 10.141 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

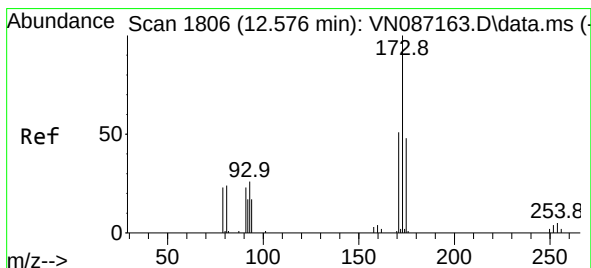
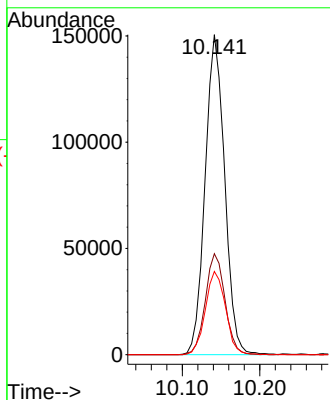
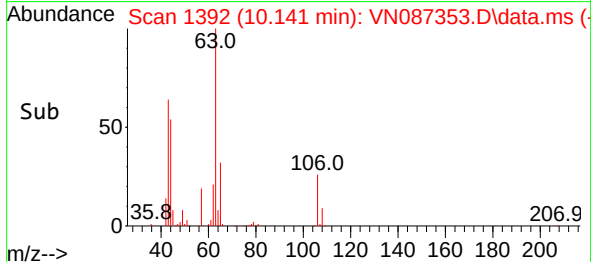
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 263740
Ion Ratio Lower Upper
63 100
65 31.7 25.6 38.4
106 26.8 21.9 32.9

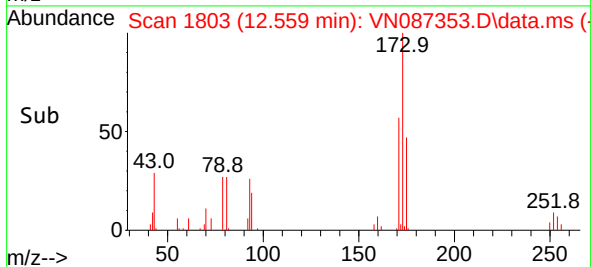
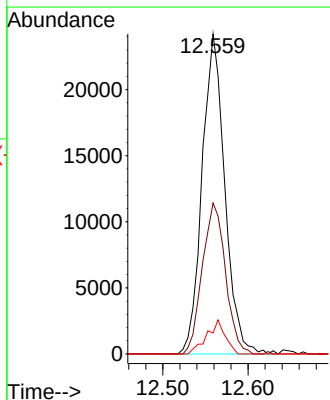
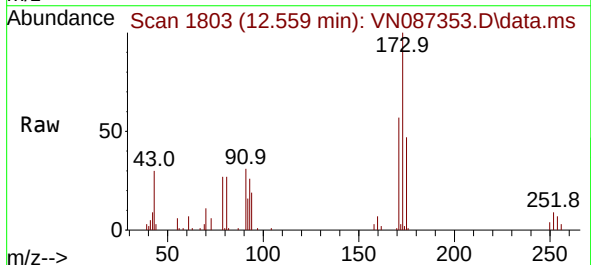
Manual Integrations
APPROVED

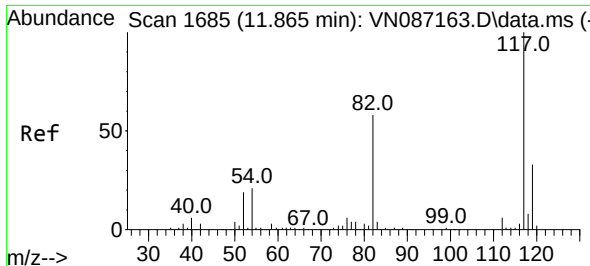
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#56
Bromoform
Concen: 21.061 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

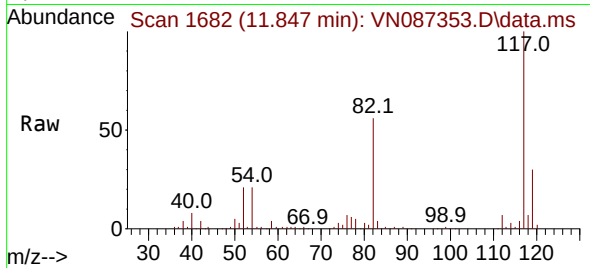
Tgt Ion:173 Resp: 44831
Ion Ratio Lower Upper
173 100
175 48.0 38.7 58.1
254 8.6 4.2 6.4#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1184
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

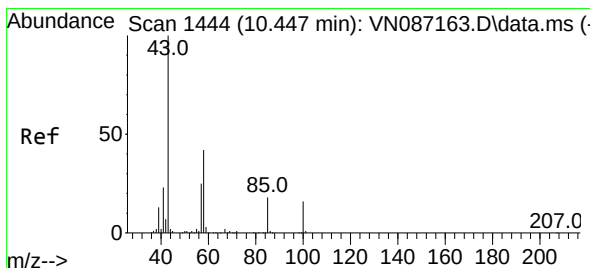
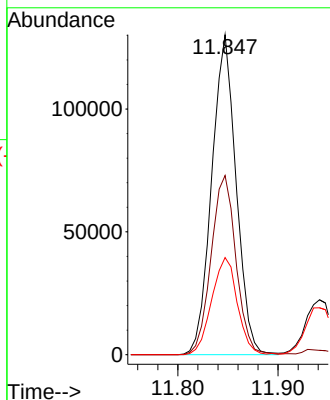
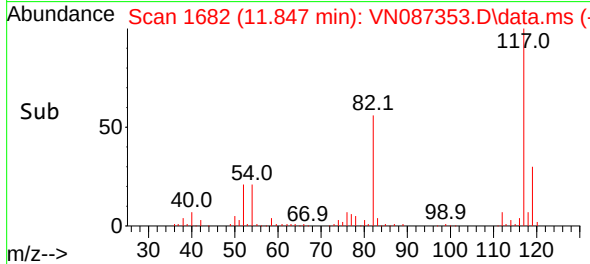
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 22010
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.2
119 31.8 26.2 39.4

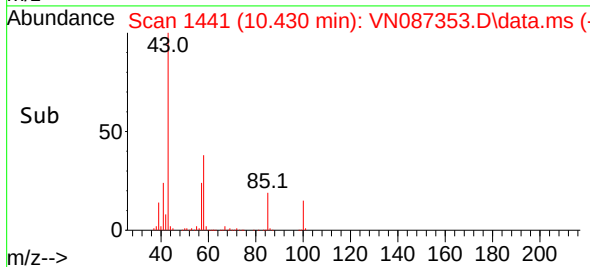
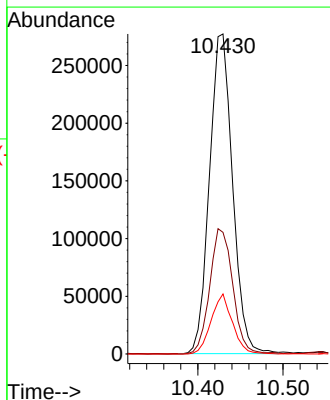
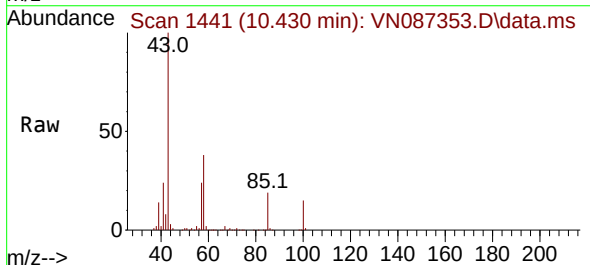
Manual Integrations
APPROVED

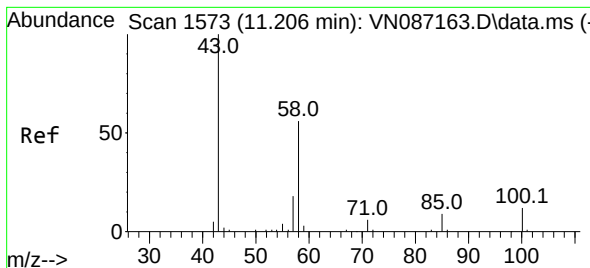
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#58
4-Methyl-2-Pentanone
Concen: 118.048 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

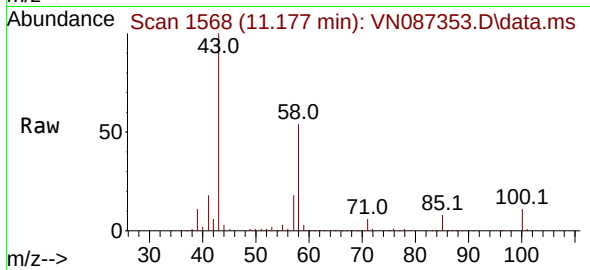
Tgt Ion: 43 Resp: 522358
Ion Ratio Lower Upper
43 100
58 39.0 32.6 49.0
85 17.3 14.6 22.0





#59
2-Hexanone
Concen: 125.791 ug/l
RT: 11.177 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

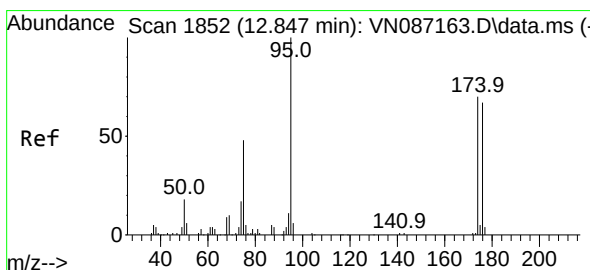
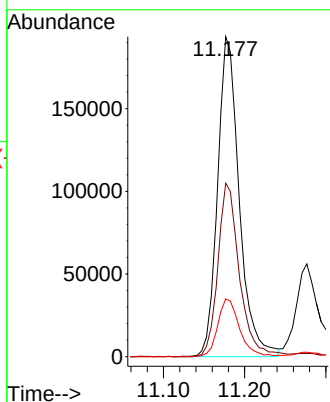
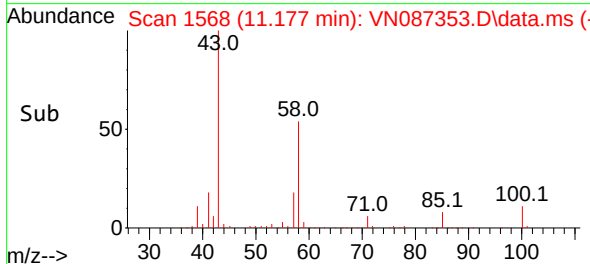
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



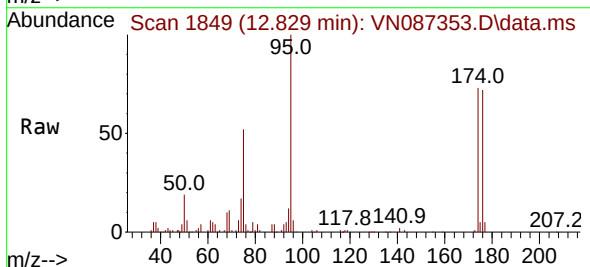
Tgt Ion: 43 Resp: 359424
Ion Ratio Lower Upper
43 100
58 53.3 49.2 73.8
57 18.1 15.3 22.9

Manual Integrations
APPROVED

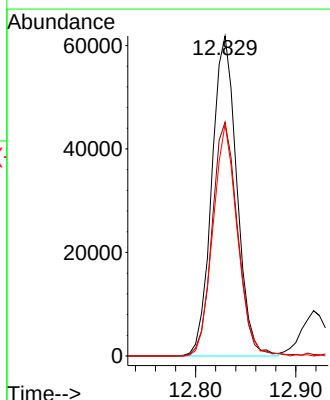
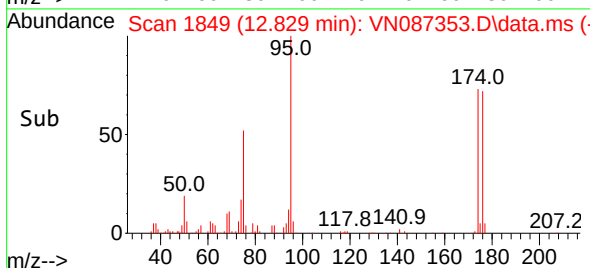
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

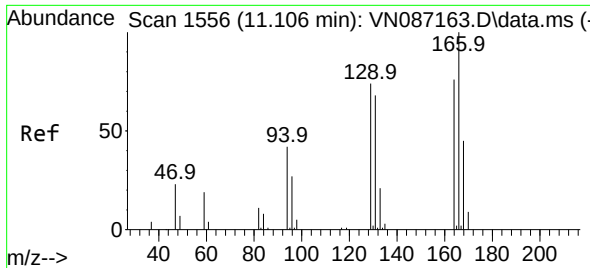


#60
4-Bromofluorobenzene
Concen: 31.514 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



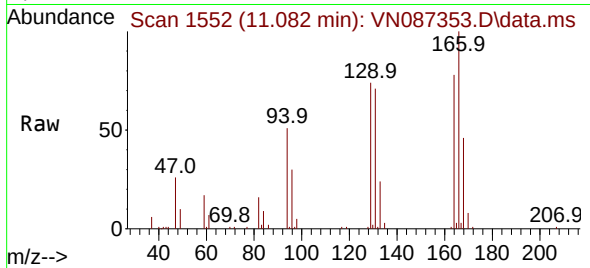
Tgt Ion: 95 Resp: 107036
Ion Ratio Lower Upper
95 100
174 74.1 54.5 81.7
176 70.8 51.9 77.9





#61
Tetrachloroethene
Concen: 20.748 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

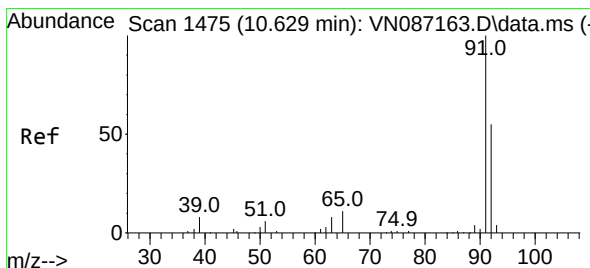
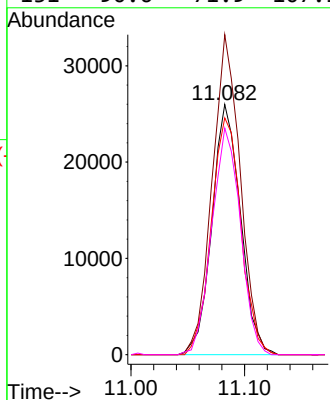
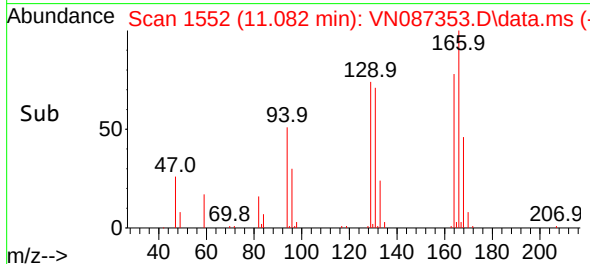
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



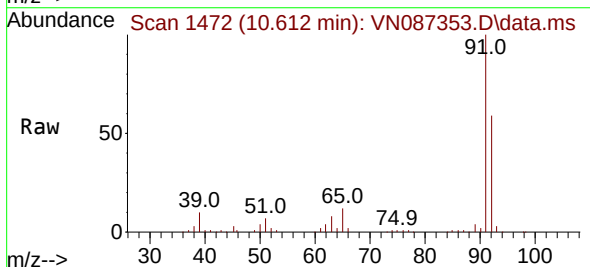
Tgt Ion:164 Resp: 45220
Ion Ratio Lower Upper
164 100
166 127.9 105.4 158.2
129 94.7 77.9 116.9
131 90.6 71.9 107.9

Manual Integrations
APPROVED

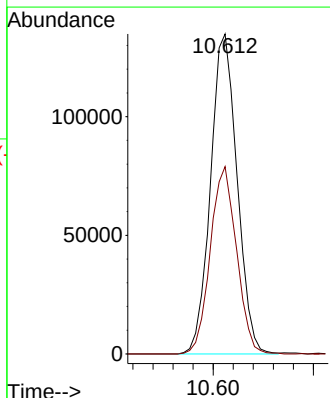
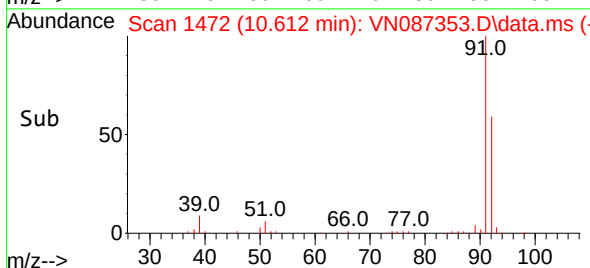
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025

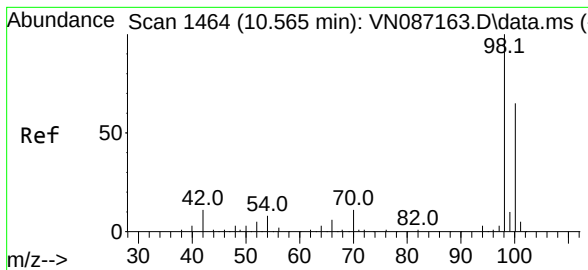


#62
Toluene
Concen: 19.960 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



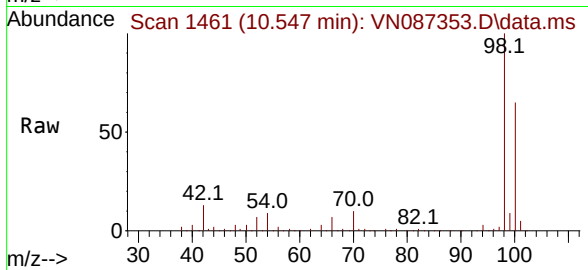
Tgt Ion: 91 Resp: 248127
Ion Ratio Lower Upper
91 100
92 57.8 45.8 68.8





#63
Toluene-d8
Concen: 30.020 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

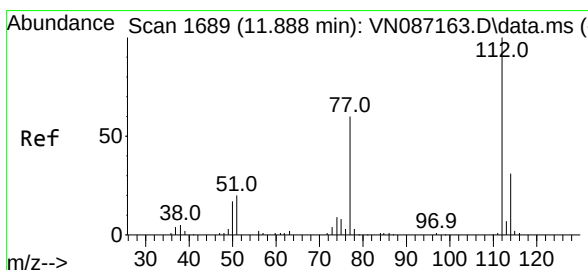
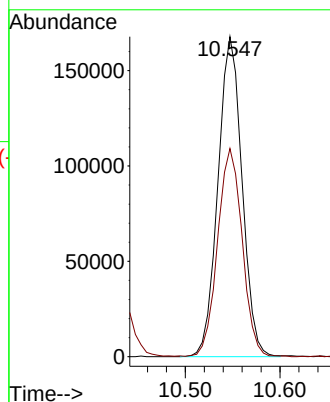
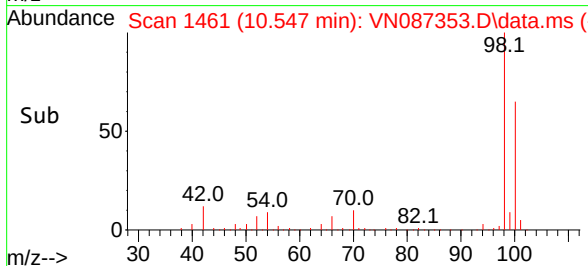
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 98 Resp: 296684
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7

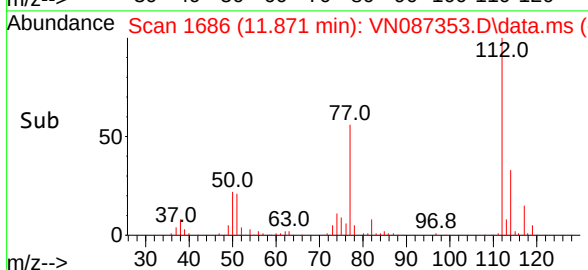
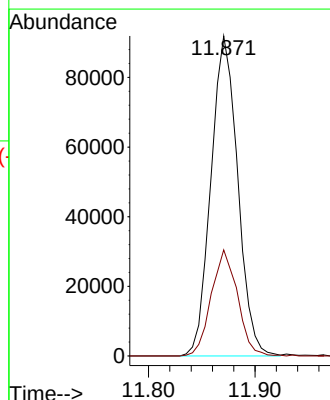
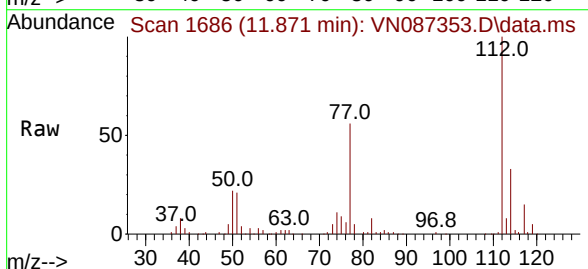
Manual Integrations
APPROVED

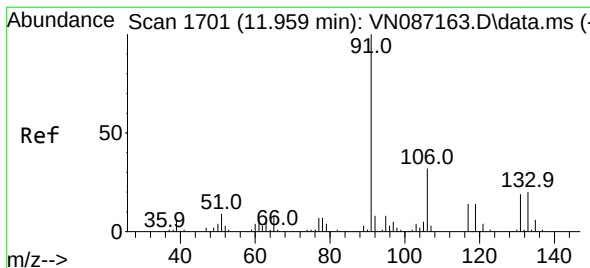
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#64
Chlorobenzene
Concen: 20.238 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion:112 Resp: 160479
Ion Ratio Lower Upper
112 100
114 33.2 25.0 37.4





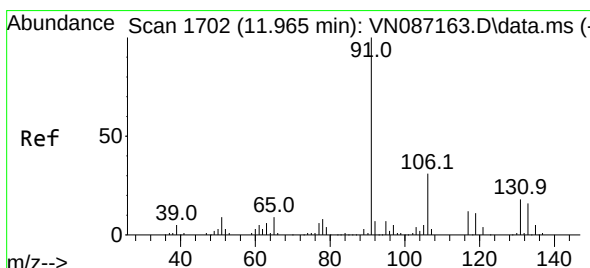
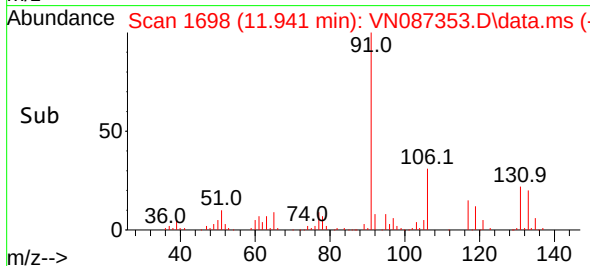
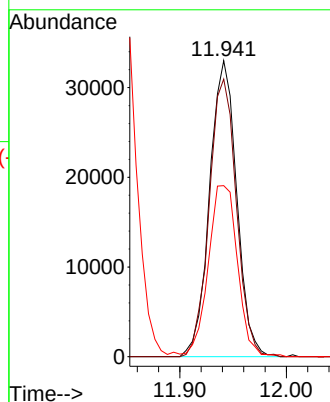
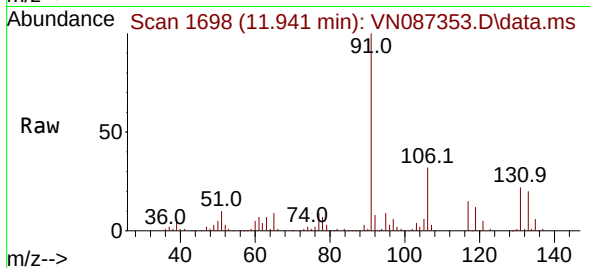
#65
1,1,1,2-Tetrachloroethane
Concen: 22.256 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:131 Resp: 5831
Ion Ratio Lower Upper
131 100
133 94.1 0.0 187.8
119 62.0 0.0 140.0

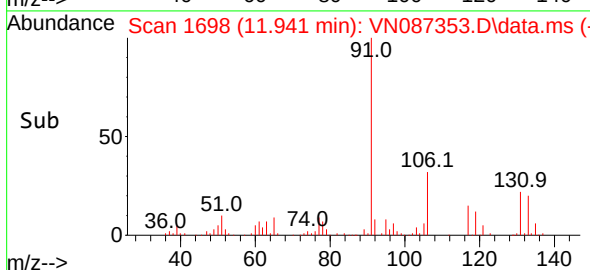
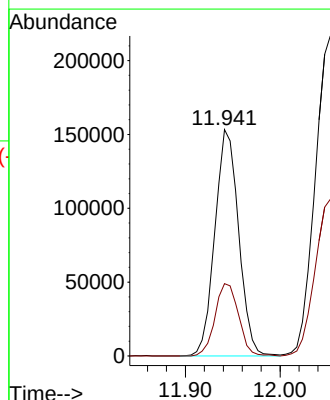
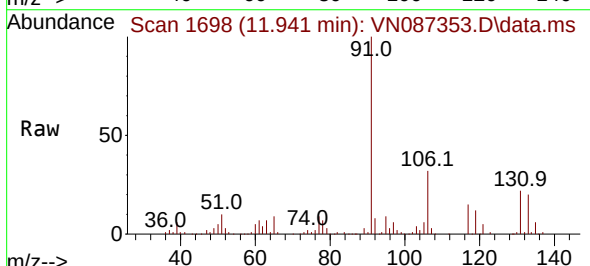
Manual Integrations
APPROVED

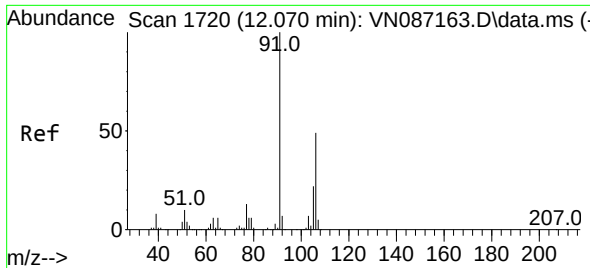
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#66
Ethyl Benzene
Concen: 19.686 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 91 Resp: 267868
Ion Ratio Lower Upper
91 100
106 31.9 24.8 37.2





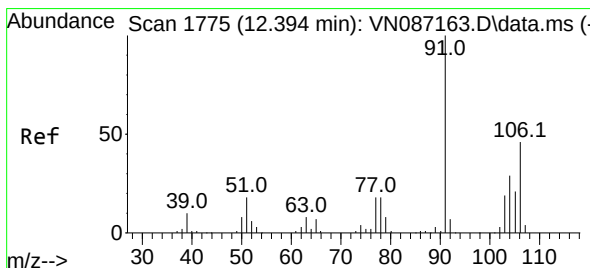
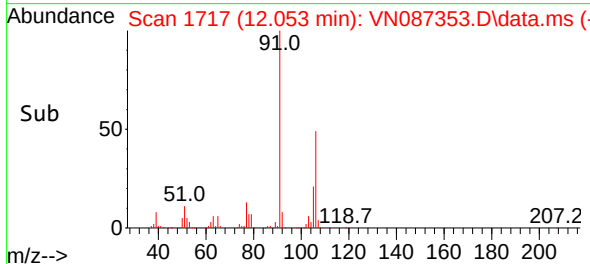
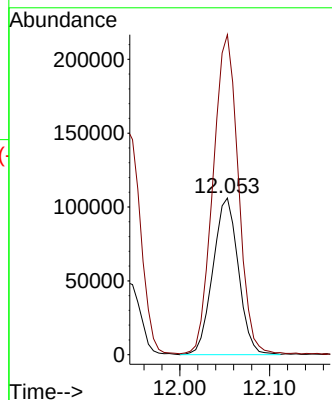
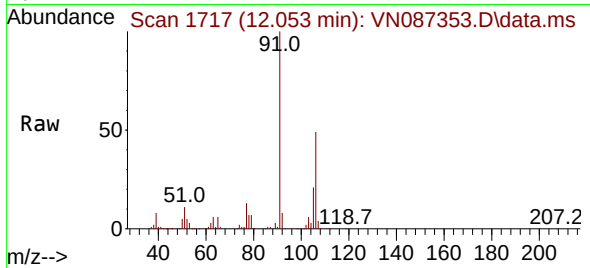
#67
m/p-Xylenes
Concen: 40.039 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 208770
Ion Ratio Lower Upper
106 100
91 203.4 163.0 244.4

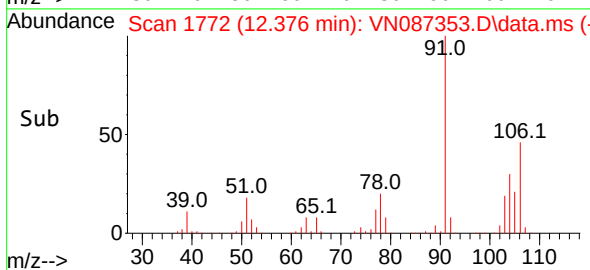
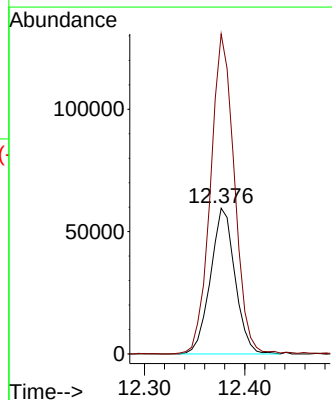
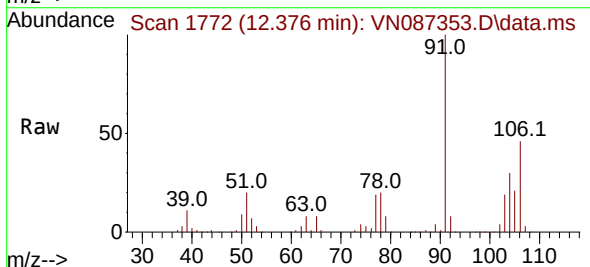
Manual Integrations
APPROVED

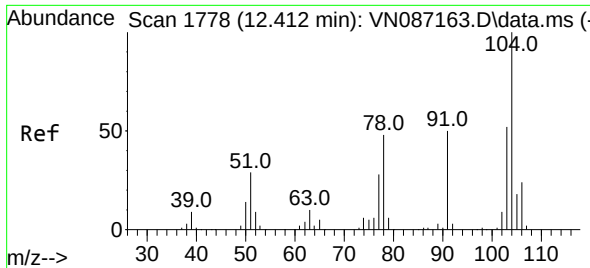
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#68
o-Xylene
Concen: 20.351 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion:106 Resp: 101235
Ion Ratio Lower Upper
106 100
91 213.3 107.1 321.1





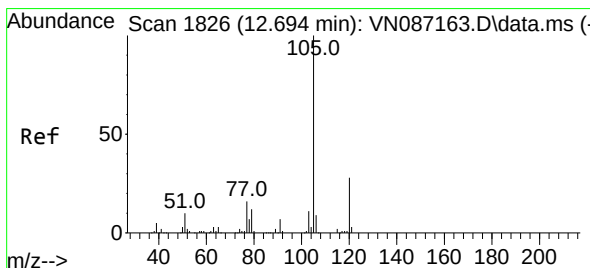
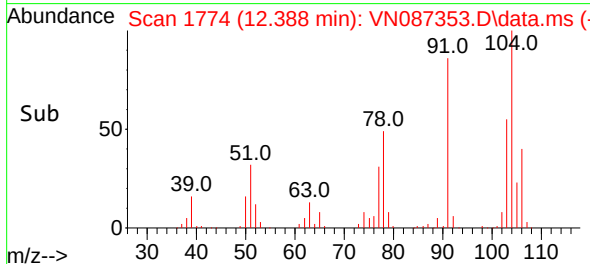
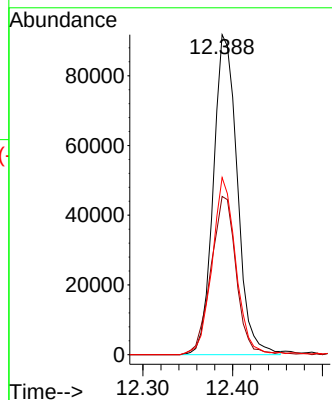
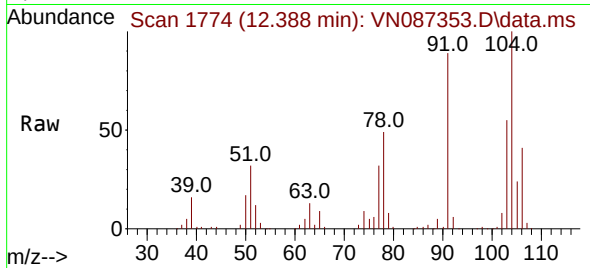
#69
Styrene
Concen: 19.940 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 17029
Ion Ratio Lower Upper
104 100
78 51.8 39.8 59.8
103 54.3 44.2 66.4

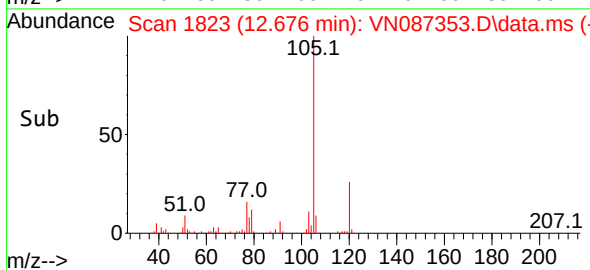
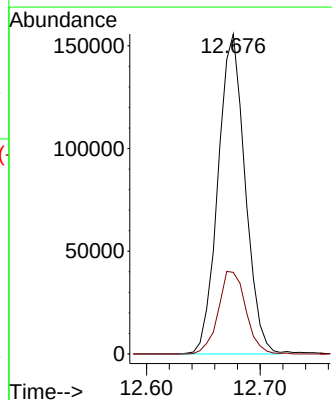
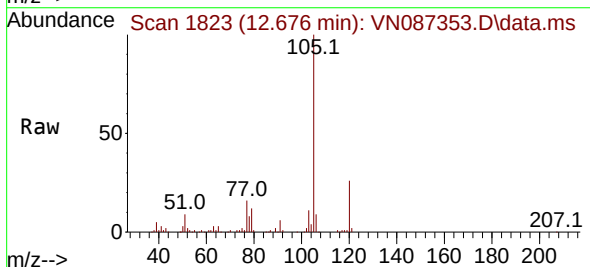
Manual Integrations
APPROVED

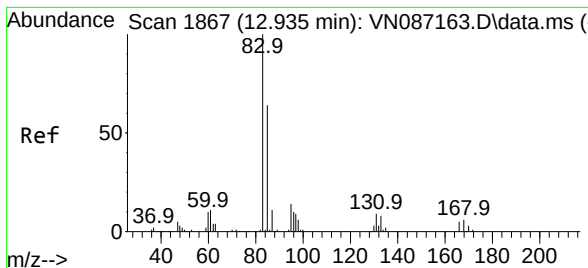
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#70
Isopropylbenzene
Concen: 20.841 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion:105 Resp: 258198
Ion Ratio Lower Upper
105 100
120 26.1 19.0 35.2





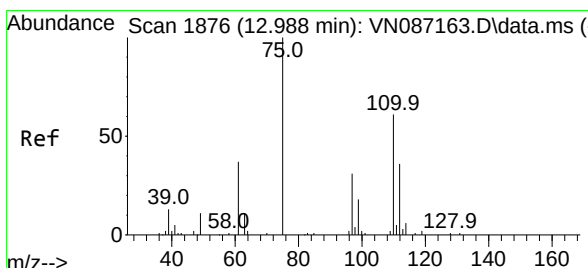
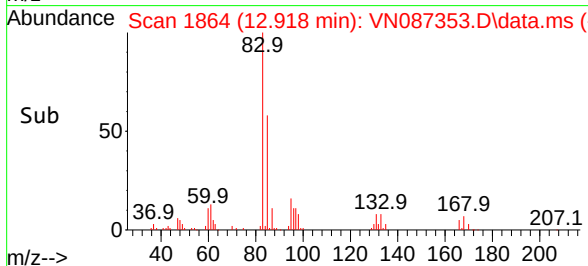
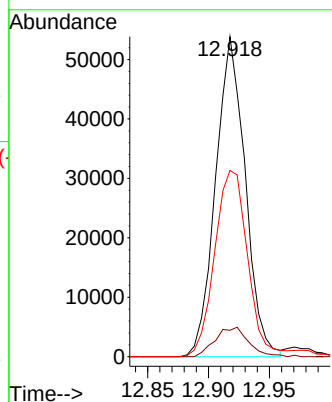
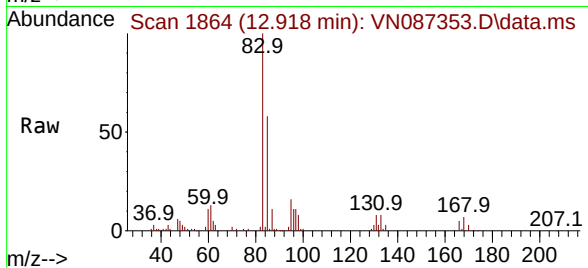
#71
1,1,2,2-Tetrachloroethane
Concen: 20.465 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 9126
Ion Ratio Lower Upper
83 100
131 10.3 4.5 13.4
85 64.5 31.3 93.9

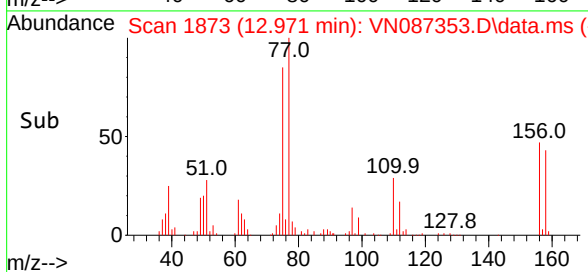
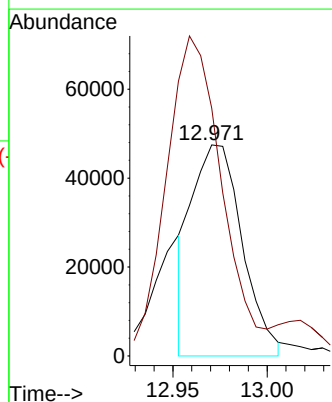
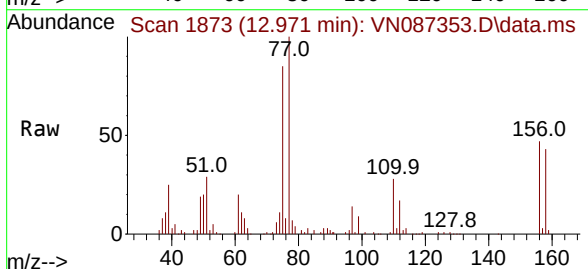
Manual Integrations
APPROVED

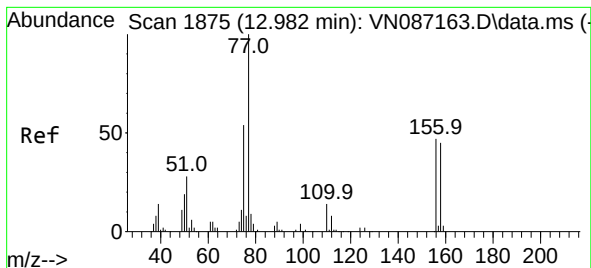
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#72
1,2,3-Trichloropropane
Concen: 22.968 ug/l m
RT: 12.971 min Scan# 1873
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 75 Resp: 88323
Ion Ratio Lower Upper
75 100
77 168.2 0.0 379.2





#73

Bromobenzene

Concen: 21.751 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

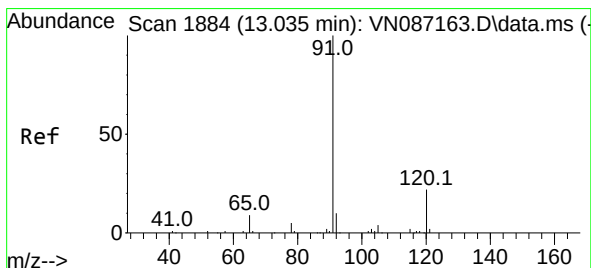
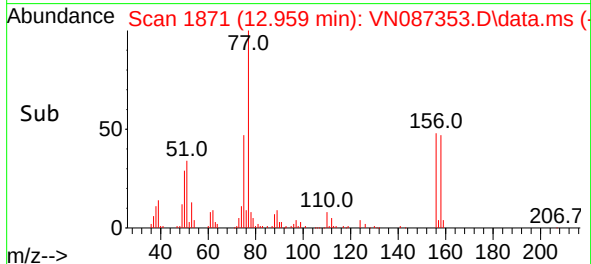
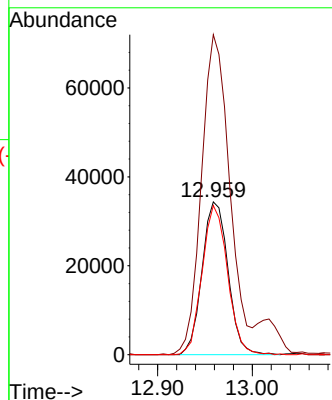
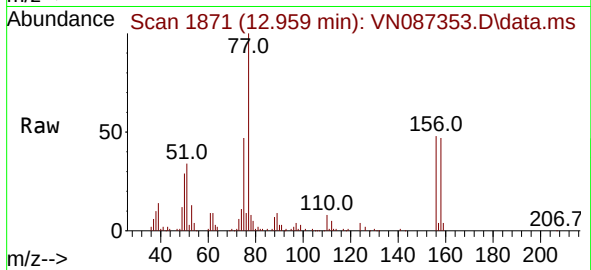
Tgt Ion:	156	Resp:	6536
Ion Ratio	Lower	Upper	
156	100		
77	227.3	0.0	489.0
158	95.6	0.0	195.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#74

n-propylbenzene

Concen: 20.544 ug/l

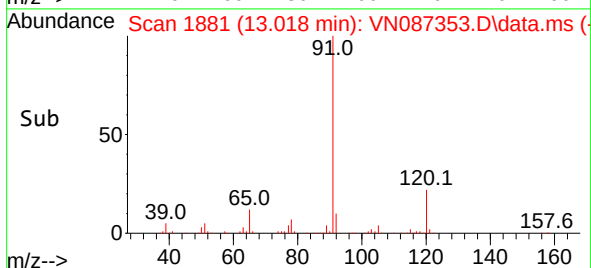
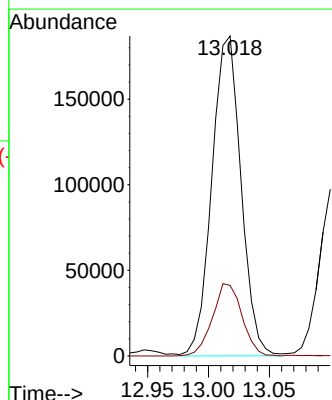
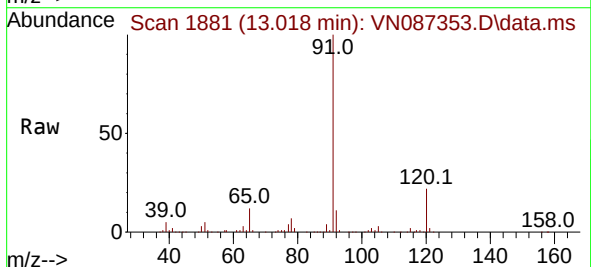
RT: 13.018 min Scan# 1881

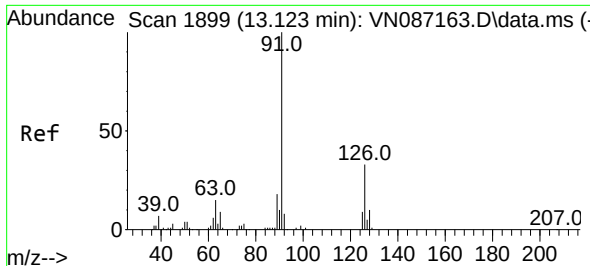
Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Tgt Ion:	91	Resp:	310937
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	43.6





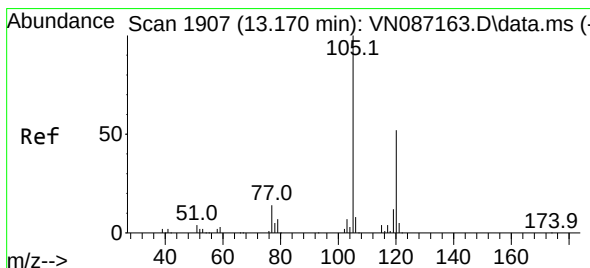
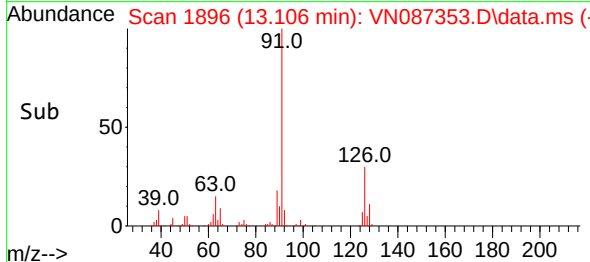
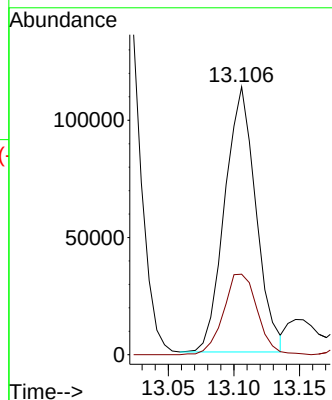
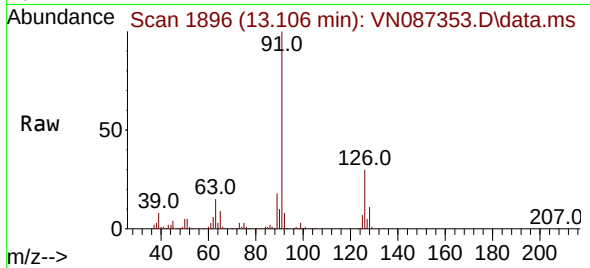
#75
2-Chlorotoluene
Concen: 20.493 ug/l
RT: 13.106 min Scan# 1899
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 187392
Ion Ratio Lower Upper
91 100
126 32.9 0.0 63.8

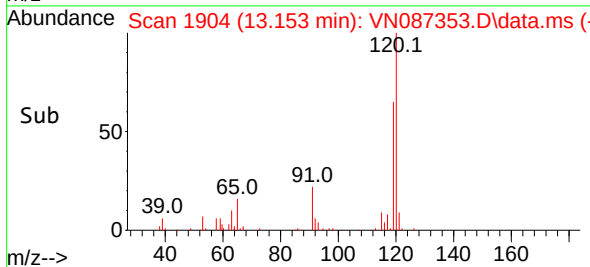
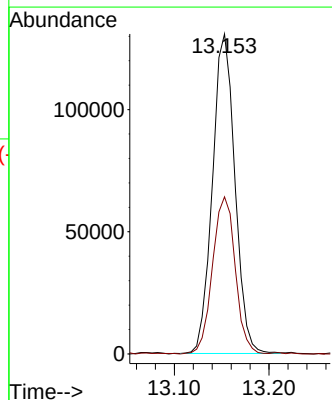
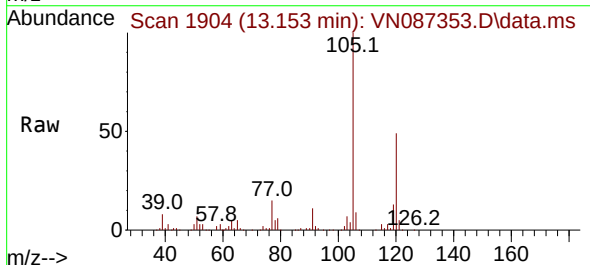
Manual Integrations
APPROVED

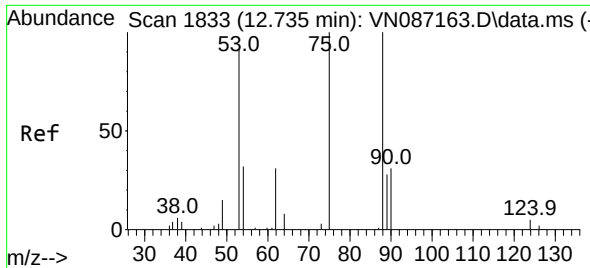
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#76
1,3,5-Trimethylbenzene
Concen: 21.335 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

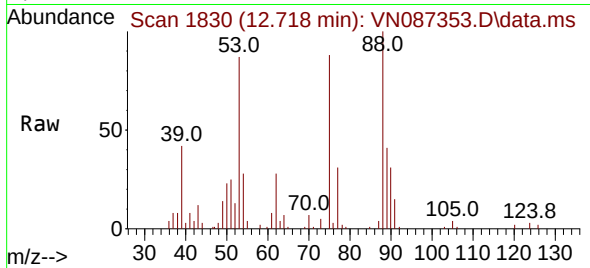
Tgt Ion:105 Resp: 215176
Ion Ratio Lower Upper
105 100
120 49.8 0.0 100.8





#77
t-1,4-Dichloro-2-butene
Concen: 18.956 ug/l
RT: 12.718 min Scan# 1833
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

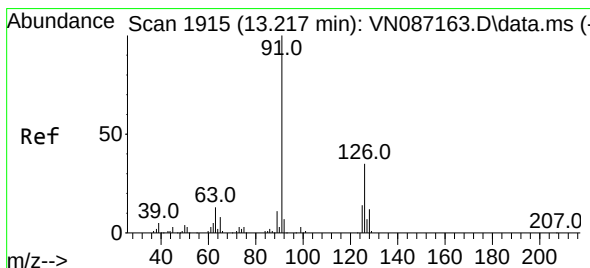
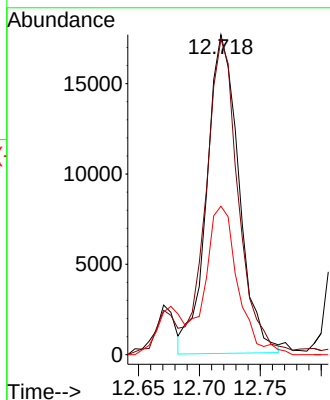
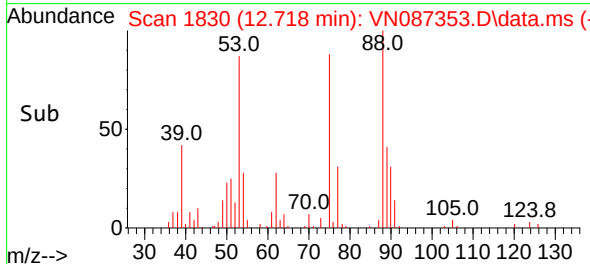
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 32334
Ion Ratio Lower Upper
75 100
53 99.0 45.9 137.6
89 46.2 22.3 66.9

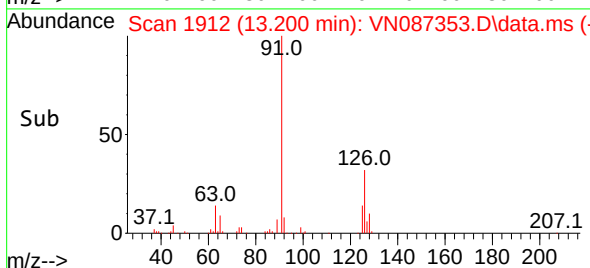
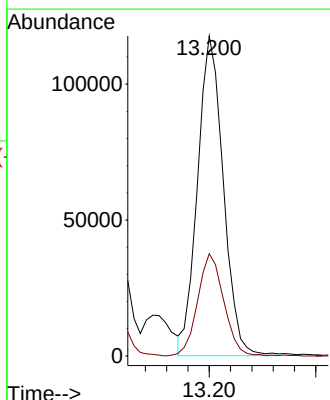
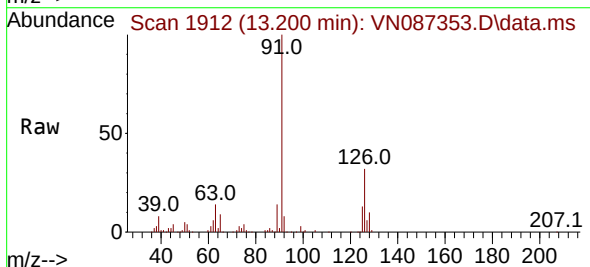
Manual Integrations
APPROVED

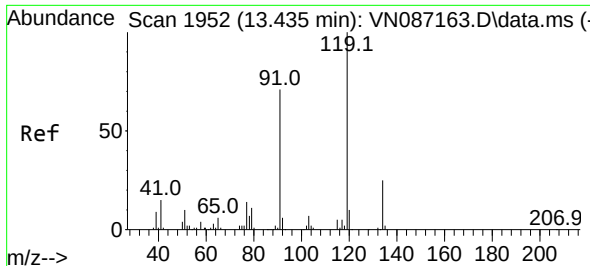
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#78
4-Chlorotoluene
Concen: 21.150 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

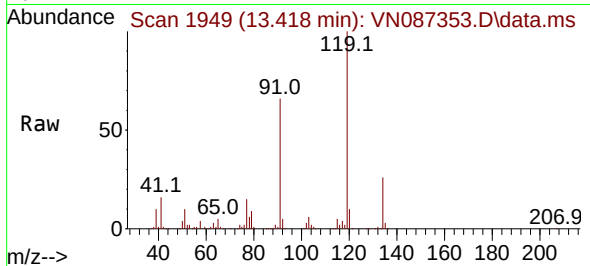
Tgt Ion: 91 Resp: 198075
Ion Ratio Lower Upper
91 100
126 32.3 0.0 65.2





#79
tert-butylbenzene
Concen: 21.488 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

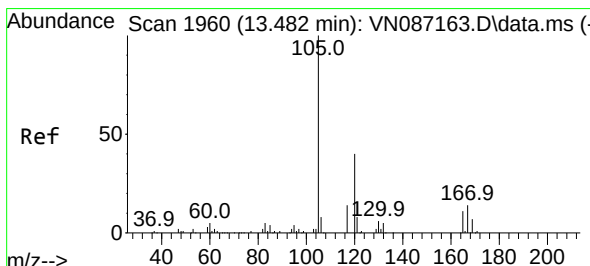
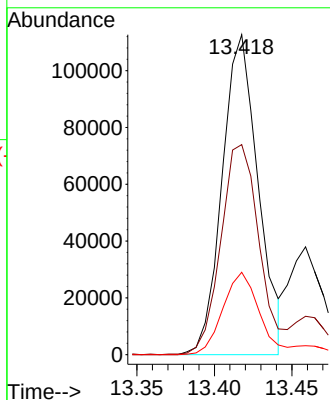
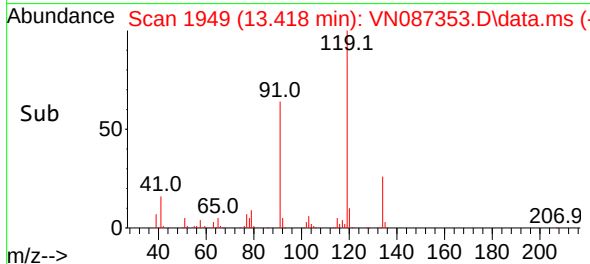
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:119 Resp: 18217
Ion Ratio Lower Upper
119 100
91 70.7 0.0 137.0
134 25.7 0.0 49.4

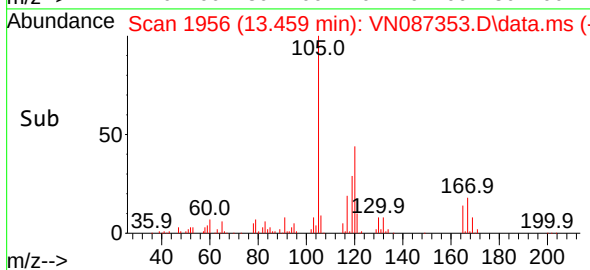
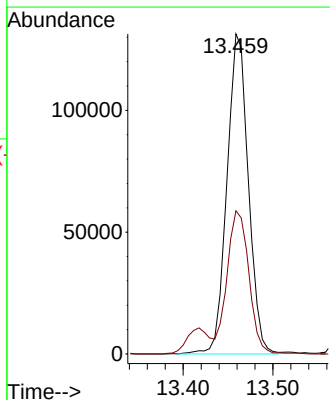
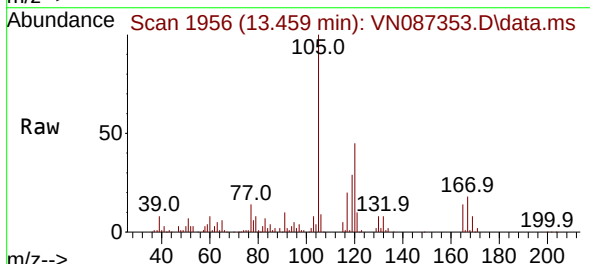
Manual Integrations
APPROVED

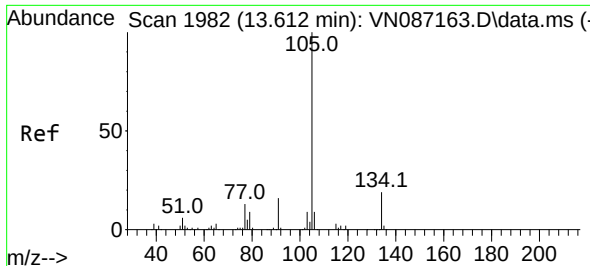
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#80
1,2,4-Trimethylbenzene
Concen: 21.477 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion:105 Resp: 217511
Ion Ratio Lower Upper
105 100
120 44.6 0.0 94.0





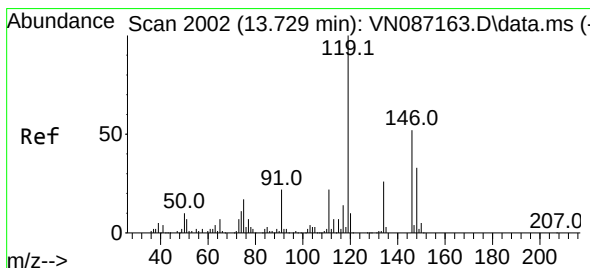
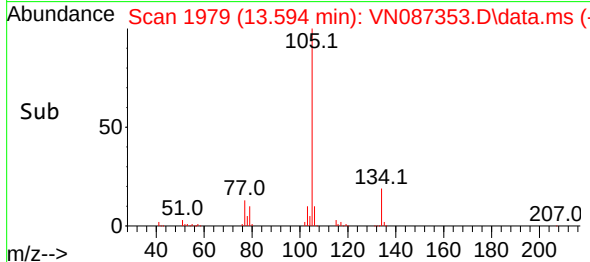
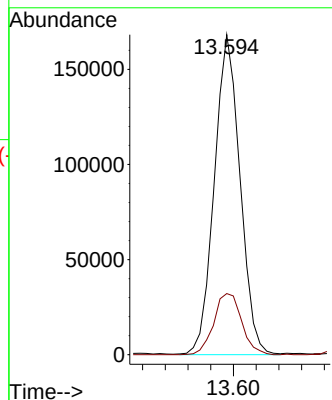
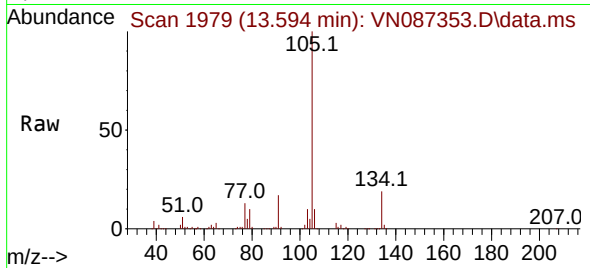
#81
 sec-Butylbenzene
 Concen: 21.448 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.018 min
 Lab File: VN087353.D
 Acq: 18 Jul 2025 09:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:105 Resp: 264335
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 39.4

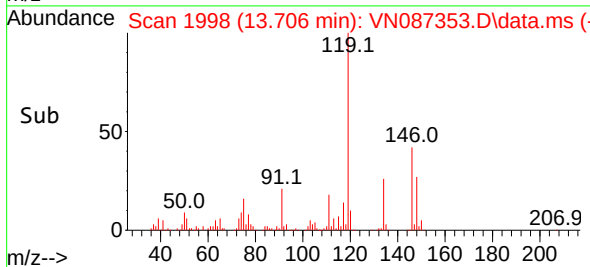
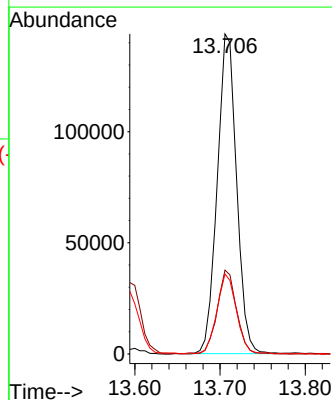
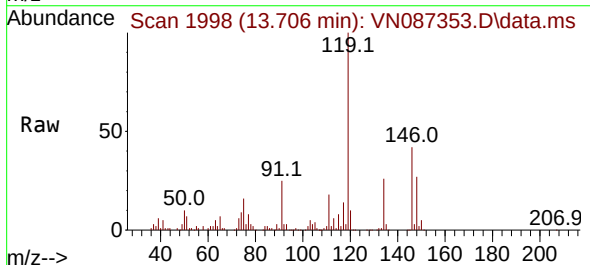
Manual Integrations
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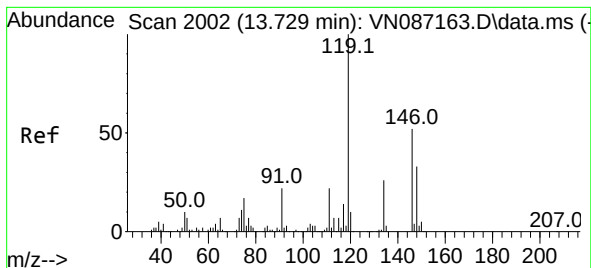
Reviewed By :John Carlone 07/21/2025
 Supervised By :Mahesh Dadoda 07/21/2025



#82
 p-Isopropyltoluene
 Concen: 22.171 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.023 min
 Lab File: VN087353.D
 Acq: 18 Jul 2025 09:15

Tgt Ion:119 Resp: 227385
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 51.2
 91 25.3 0.0 46.4





#83

1,3-Dichlorobenzene

Concen: 21.391 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:146 Resp: 123794

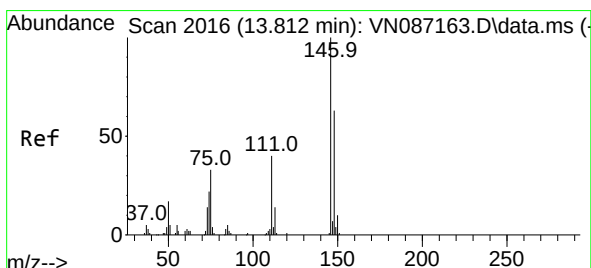
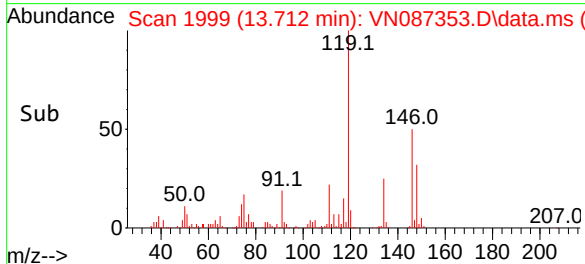
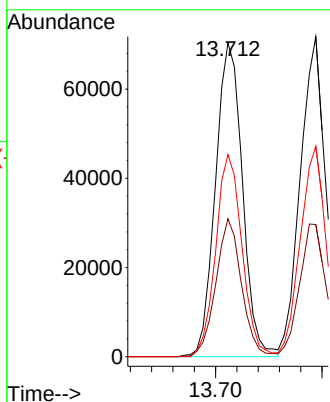
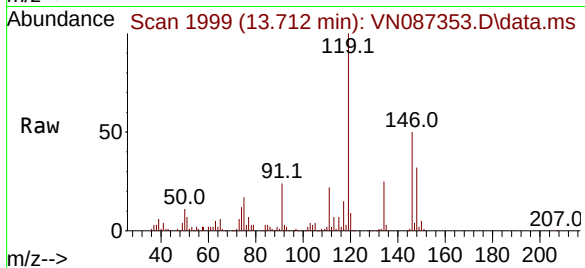
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.3
148	62.6	31.6	94.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#84

1,4-Dichlorobenzene

Concen: 20.178 ug/l

RT: 13.794 min Scan# 2013

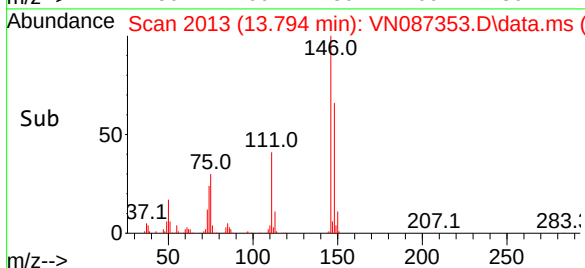
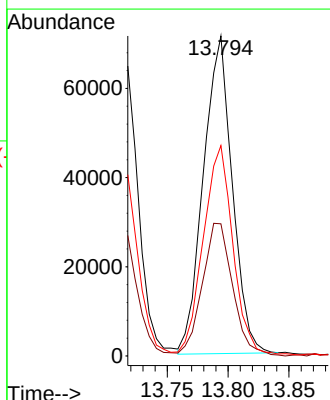
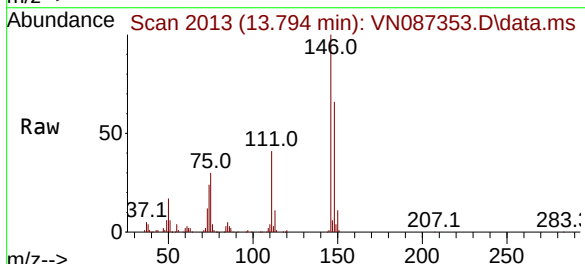
Delta R.T. -0.018 min

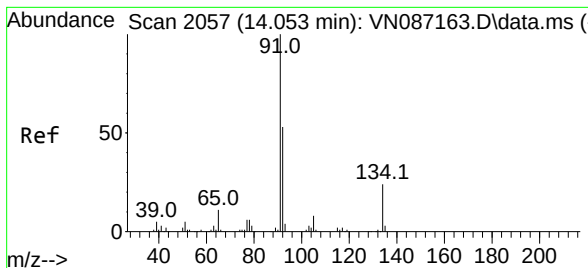
Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Tgt Ion:146 Resp: 117522

Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.1	60.2
148	68.9	31.4	94.2





#85

n-Butylbenzene

Concen: 22.382 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

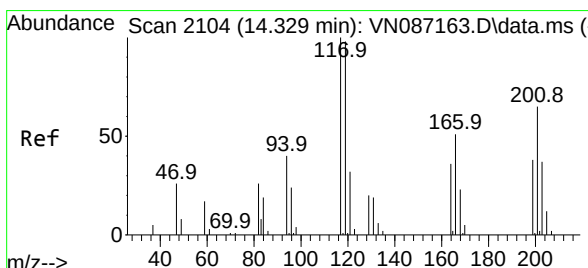
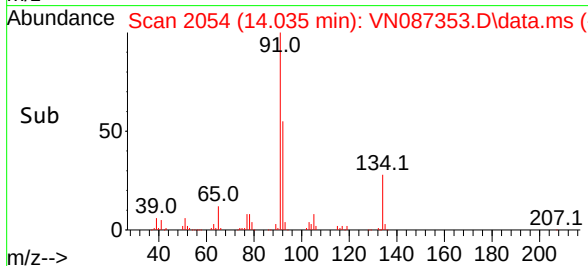
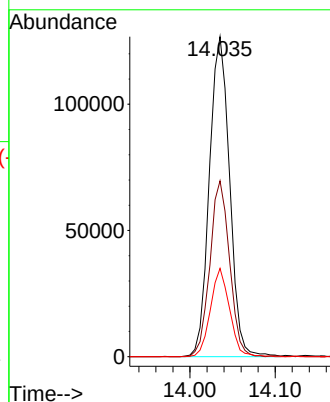
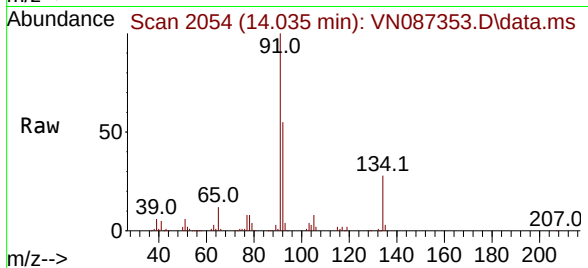
Tgt Ion: 91	Resp: 20944
Ion Ratio	Lower Upper
91 100	
92 53.4	0.0 106.4
134 26.0	0.0 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#86

Hexachloroethane

Concen: 22.079 ug/l

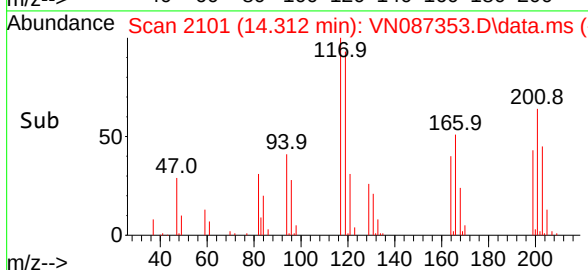
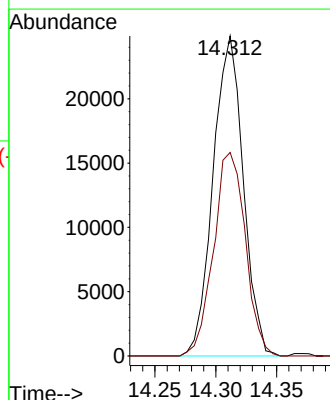
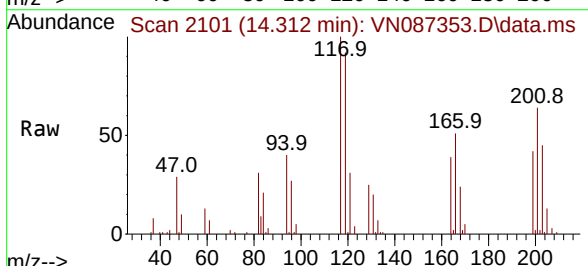
RT: 14.312 min Scan# 2101

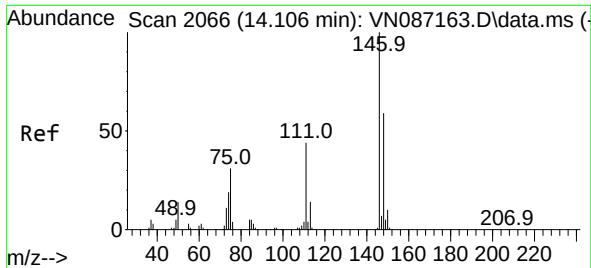
Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Tgt Ion: 117	Resp: 42865
Ion Ratio	Lower Upper
117 100	
201 67.1	30.8 92.3





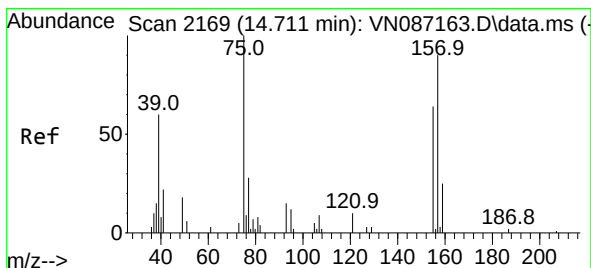
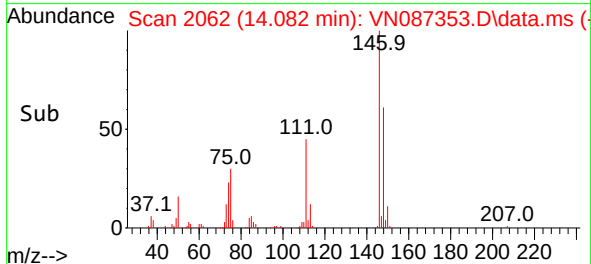
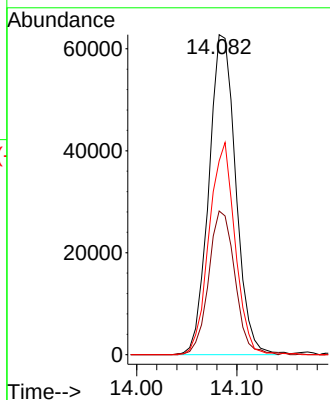
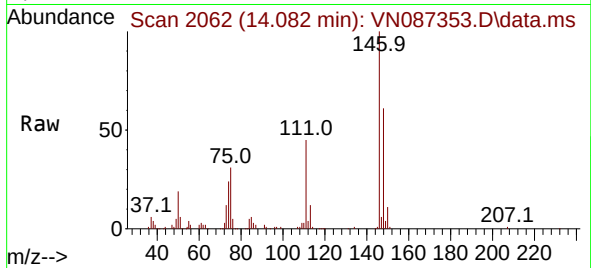
#87
1,2-Dichlorobenzene
Concen: 21.442 ug/l
RT: 14.082 min Scan# 2066
Delta R.T. -0.023 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:146 Resp: 11700
Ion Ratio Lower Upper
146 100
111 43.9 22.1 66.1
148 63.7 31.6 95.0

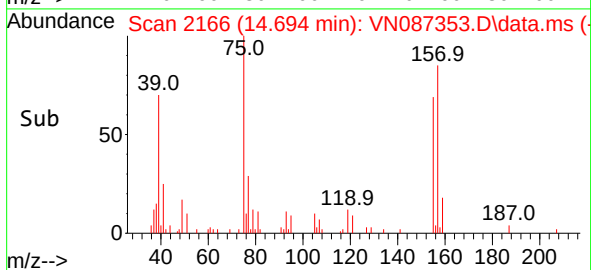
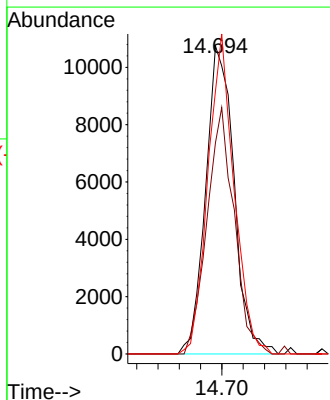
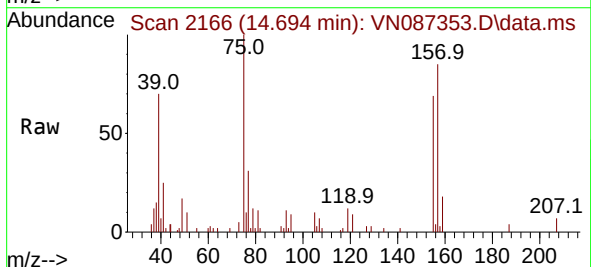
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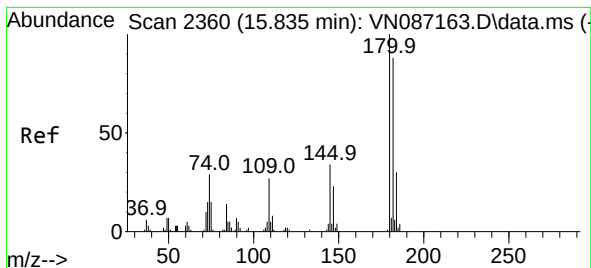
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 19.839 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

Tgt Ion: 75 Resp: 19921
Ion Ratio Lower Upper
75 100
155 76.5 58.3 87.5
157 95.5 79.2 118.8





#89

1,2,4-Trichlorobenzene

Concen: 22.107 ug/l

RT: 15.817 min Scan# 21

Delta R.T. -0.018 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

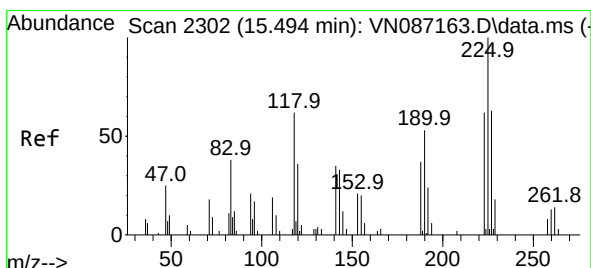
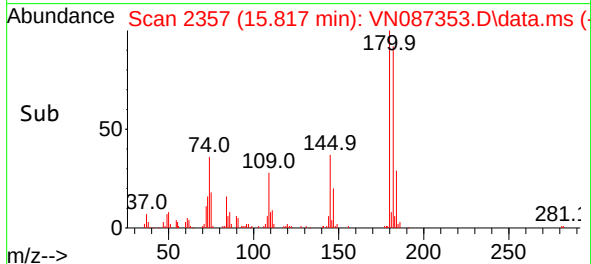
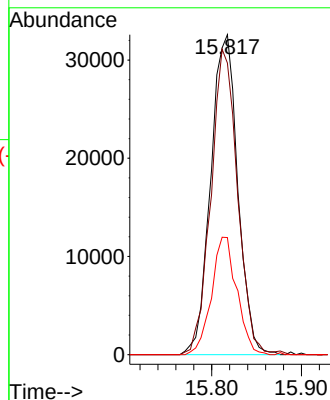
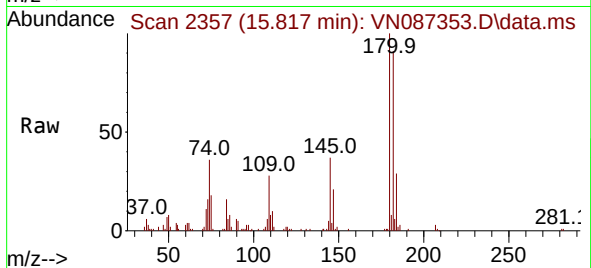
Tgt Ion:	180	Resp:	6824
Ion Ratio	Lower	Upper	
180	100		
182	93.6	74.2	111.2
145	34.4	27.6	41.4

Manual Integrations

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Reviewed By :John Carlone 07/21/2025

Supervised By :Mahesh Dadoda 07/21/2025



#90

Hexachlorobutadiene

Concen: 30.624 ug/l

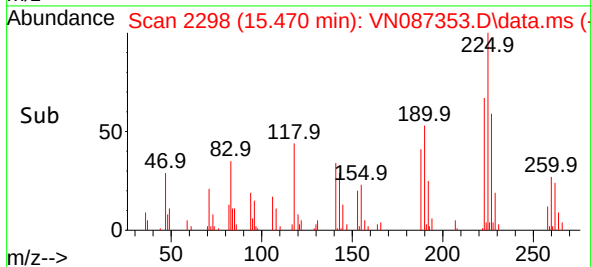
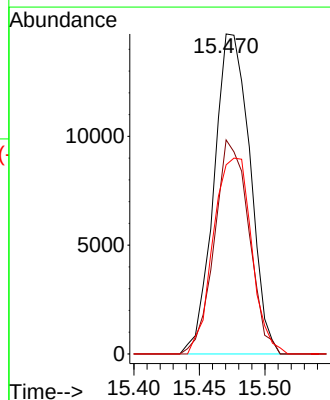
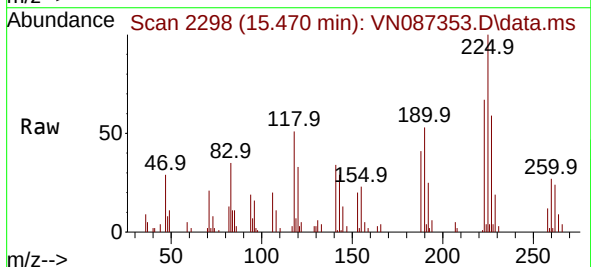
RT: 15.470 min Scan# 2298

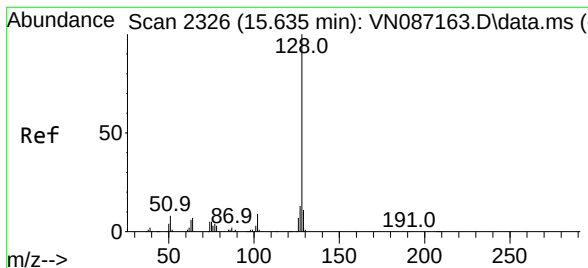
Delta R.T. -0.023 min

Lab File: VN087353.D

Acq: 18 Jul 2025 09:15

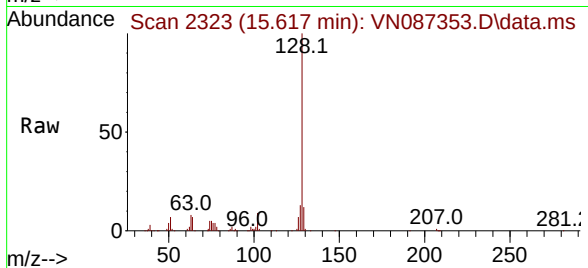
Tgt Ion:	225	Resp:	28055
Ion Ratio	Lower	Upper	
225	100		
223	64.1	0.0	134.2
227	65.0	0.0	122.6





#91
Naphthalene
Concen: 20.451 ug/l
RT: 15.617 min Scan# 21
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15

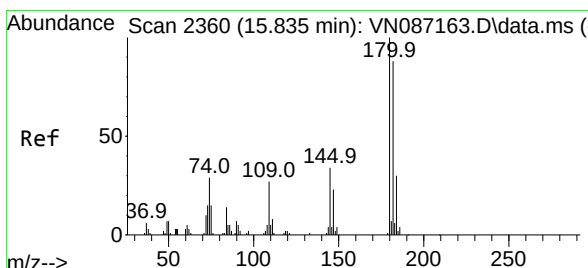
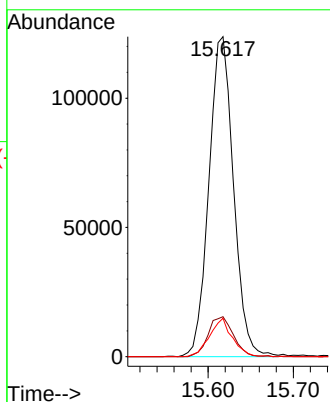
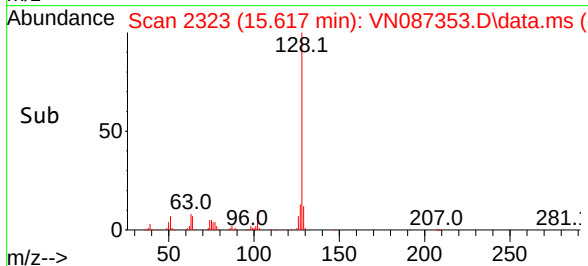
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



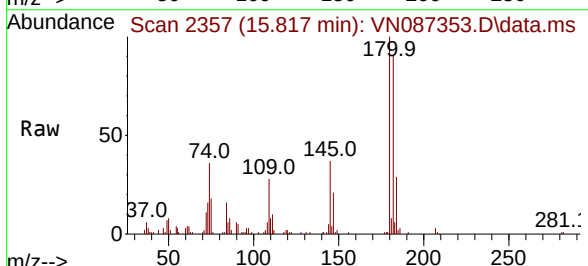
Tgt Ion:128 Resp: 24848
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 11.1 8.8 13.2

Manual Integrations
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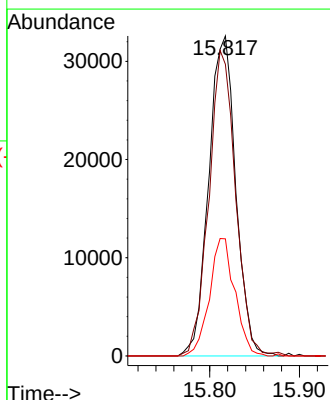
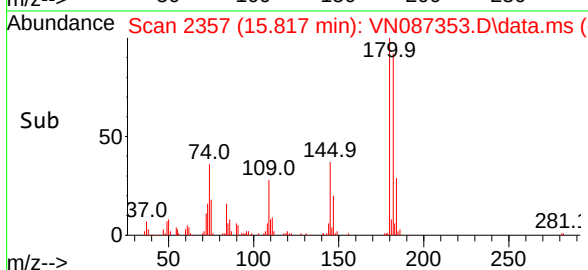
Reviewed By :John Carlone 07/21/2025
Supervised By :Mahesh Dadoda 07/21/2025



#92
1,2,3-Trichlorobenzene
Concen: 22.107 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. -0.018 min
Lab File: VN087353.D
Acq: 18 Jul 2025 09:15



Tgt Ion:180 Resp: 68248
Ion Ratio Lower Upper
180 100
182 93.6 0.0 185.4
145 34.4 0.0 69.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087353.D
 Acq On : 18 Jul 2025 09:15
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 18 23:14:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	132	-0.02
2 M	Dichlorodifluoromethane	1.806	1.438	20.4	115	-0.01
3 M	Chloromethane	1.844	1.699	7.9	144	-0.01
4 M	Vinyl Chloride	2.005	1.785	11.0	131	-0.01
5 M	Bromomethane	1.064	1.047	1.6	144	-0.02
6 M	Chloroethane	1.075	1.179	-9.7	162#	-0.01
7 M	Trichlorofluoromethane	2.459	2.669	-8.5	152#	-0.02
8 T	Diethyl Ether	1.208	1.123	7.0	138	-0.02
9	1,1,2-Trichlorotrifluoroeth	1.823	1.444	20.8	114	-0.03
10 M	1,1-Dichloroethene	1.817	1.427	21.5	113	-0.03
11	Methyl Iodide	1.628	1.469	9.8	151#	-0.03
12	Methyl Acetate	2.851	3.019	-5.9	153#	-0.03
13 M	Acrolein	0.438	0.309	29.5#	114	-0.03
14 M	Acrylonitrile	1.330	1.237	7.0	133	-0.03
15 M	Acetone	0.388	0.348	10.3	125	-0.03
16 M	Carbon Disulfide	5.313	3.940	25.8#	108	-0.03
17	Allyl chloride	2.997	2.776	7.4	133	-0.02
18 M	Methylene Chloride	2.105	2.029	3.6	138	-0.03
19 M	trans-1,2-Dichloroethene	1.987	1.674	15.8	122	-0.04
20 T	Diisopropyl ether	6.359	6.638	-4.4	144	-0.03
21 M	1,1-Dichloroethane	3.801	3.616	4.9	134	-0.03
22 M	cis-1,2-Dichloroethene	2.313	2.136	7.7	135	-0.02
23 M	tert-Butyl Alcohol	0.500	0.452	9.6	132	-0.01
24 M	Methyl tert-Butyl Ether	6.374	6.346	0.4	147	-0.03
25 M	Chloroform	3.641	3.679	-1.0	146	-0.02
26	Cyclohexane	3.159	2.599	17.7	122	-0.02
27 s	1,2-Dichloroethane-d4	2.260	2.451	-8.5	141	-0.02
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	126	-0.02
29	1,1-Dichloropropene	0.468	0.446	4.7	140	-0.02
30 M	2-Butanone	0.315	0.330	-4.8	145	-0.02
31	2,2-Dichloropropane	0.564	0.562	0.4	137	-0.02
32 M	1,1,1-Trichloroethane	0.546	0.575	-5.3	145	-0.02
33 M	Carbon Tetrachloride	0.460	0.485	-5.4	153#	-0.03
34 M	Benzene	1.481	1.442	2.6	139	-0.02
35	Methacrylonitrile	0.318	0.347	-9.1	153#	-0.02
36 M	1,2-Dichloroethane	0.479	0.539	-12.5	153#	-0.02
37 M	Trichloroethene	0.342	0.321	6.1	137	-0.02
38	Methylcyclohexane	0.537	0.487	9.3	130	-0.02
39 M	1,2-Dichloropropane	0.372	0.379	-1.9	137	-0.02
40	Dibromomethane	0.253	0.268	-5.9	143	-0.02
41 M	Bromodichloromethane	0.510	0.558	-9.4	145	-0.02
42 M	Vinyl Acetate	1.026	1.019	0.7	135	-0.02
43	Ethyl Acetate	0.569	0.637	-12.0	143	-0.02
44	Isopropyl Acetate	0.928	1.001	-7.9	151#	-0.02
45 T	1,4-Dioxane	0.006	0.007	-16.7	151#	-0.02
46	Methyl methacrylate	0.431	0.468	-8.6	148	-0.02
47	n-amyl Acetate	0.567	0.673	-18.7	167#	-0.01
48 M	t-1,3-Dichloropropene	0.569	0.589	-3.5	145	-0.02

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087353.D
 Acq On : 18 Jul 2025 09:15
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 18 23:14:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.605	0.615	-1.7	136	-0.02
50 M	1,1,2-Trichloroethane	0.359	0.362	-0.8	136	-0.02
51	Ethyl methacrylate	0.547	0.579	-5.9	155#	-0.03
52	1,3-Dichloropropane	0.617	0.645	-4.5	142	-0.02
53 M	Dibromochloromethane	0.377	0.416	-10.3	152#	-0.02
54 M	1,2-Dibromoethane	0.371	0.367	1.1	134	-0.02
55 M	2-Chloroethyl vinyl ether	0.313	0.321	-2.6	139	-0.02
56 M	Bromoform	0.259	0.273	-5.4	147	-0.02
57 I	Chlorobenzene-d5	1.000	1.000	0.0	119	-0.02
58 M	4-Methyl-2-Pentanone	0.603	0.712	-18.1	154#	-0.02
59 M	2-Hexanone	0.389	0.490	-26.0#	180#	-0.03
60 S	4-Bromofluorobenzene	0.463	0.486	-5.0	129	-0.02
61 M	Tetrachloroethene	0.297	0.308	-3.7	136	-0.02
62 M	Toluene	1.694	1.691	0.2	129	-0.02
63 S	Toluene-d8	1.347	1.348	-0.1	114	-0.02
64 M	Chlorobenzene	1.081	1.094	-1.2	132	-0.02
65	1,1,1,2-Tetrachloroethane	0.357	0.397	-11.2	145	-0.02
66 M	Ethyl Benzene	1.855	1.825	1.6	131	-0.02
67 M	m/p-Xylenes	0.711	0.711	0.0	132	-0.02
68 M	o-Xylene	0.678	0.690	-1.8	135	-0.02
69 M	Styrene	1.164	1.161	0.3	132	-0.02
70	Isopropylbenzene	1.689	1.760	-4.2	141	-0.02
71 M	1,1,2,2-Tetrachloroethane	0.608	0.622	-2.3	130	-0.02
72	1,2,3-Trichloropropane	0.524	0.602	-14.9	153#	-0.02
73	Bromobenzene	0.410	0.445	-8.5	146	-0.02
74	n-propylbenzene	2.063	2.119	-2.7	139	-0.02
75	2-Chlorotoluene	1.246	1.277	-2.5	140	-0.02
76	1,3,5-Trimethylbenzene	1.375	1.466	-6.6	147	-0.02
77	t-1,4-Dichloro-2-butene	0.232	0.220	5.2	133	-0.02
78	4-Chlorotoluene	1.276	1.350	-5.8	144	-0.02
79	tert-butylbenzene	1.156	1.241	-7.4	149	-0.02
80	1,2,4-Trimethylbenzene	1.380	1.482	-7.4	149	-0.02
81	sec-Butylbenzene	1.680	1.801	-7.2	145	-0.02
82	p-Isopropyltoluene	1.398	1.550	-10.9	145	-0.02
83 M	1,3-Dichlorobenzene	0.789	0.844	-7.0	140	-0.02
84 M	1,4-Dichlorobenzene	0.794	0.801	-0.9	133	-0.02
85	n-Butylbenzene	1.275	1.427	-11.9	147	-0.02
86 T	Hexachloroethane	0.265	0.292	-10.2	152#	-0.02
87 M	1,2-Dichlorobenzene	0.744	0.797	-7.1	141	-0.02
88	1,2-Dibromo-3-Chloropropane	0.137	0.136	0.7	132	-0.02
89	1,2,4-Trichlorobenzene	0.421	0.465	-10.5	145	-0.02
90	Hexachlorobutadiene	0.125	0.191	-52.8#	202#	-0.02
91 M	Naphthalene	1.656	1.693	-2.2	139	-0.02
92	1,2,3-Trichlorobenzene	0.421	0.465	-10.5	145	-0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087353.D
 Acq On : 18 Jul 2025 09:15
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 18 23:14:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	132	-0.02
2 M	Dichlorodifluoromethane	20.000	15.924	20.4	115	-0.01
3 M	Chloromethane	20.000	18.420	7.9	144	-0.01
4 M	Vinyl Chloride	20.000	17.804	11.0	131	-0.01
5 M	Bromomethane	20.000	19.682	1.6	144	-0.02
6 M	Chloroethane	20.000	21.932	-9.7	162	-0.01
7 M	Trichlorofluoromethane	20.000	21.710	-8.6	152	-0.02
8 T	Diethyl Ether	20.000	18.599	7.0	138	-0.02
9	1,1,2-Trichlorotrifluoroeth	20.000	15.841	20.8	114	-0.03
10 M	1,1-Dichloroethene	20.000	15.708	21.5	113	-0.03
11	Methyl Iodide	20.000	18.048	9.8	151	-0.03
12	Methyl Acetate	20.000	21.184	-5.9	153	-0.03
13 M	Acrolein	100.000	70.510	29.5#	114	-0.03
14 M	Acrylonitrile	100.000	93.047	7.0	133	-0.03
15 M	Acetone	100.000	89.609	10.4	125	-0.03
16 M	Carbon Disulfide	20.000	14.829	25.9#	108	-0.03
17	Allyl chloride	20.000	18.523	7.4	133	-0.02
18 M	Methylene Chloride	20.000	19.279	3.6	138	-0.03
19 M	trans-1,2-Dichloroethene	20.000	16.843	15.8	122	-0.04
20 T	Diisopropyl ether	20.000	20.878	-4.4	144	-0.03
21 M	1,1-Dichloroethane	20.000	19.029	4.9	134	-0.03
22 M	cis-1,2-Dichloroethene	20.000	18.471	7.6	135	-0.02
23 M	tert-Butyl Alcohol	100.000	90.368	9.6	132	-0.01
24 M	Methyl tert-Butyl Ether	20.000	19.914	0.4	147	-0.03
25 M	Chloroform	20.000	20.210	-1.1	146	-0.02
26	Cyclohexane	20.000	16.454	17.7	122	-0.02
27 s	1,2-Dichloroethane-d4	30.000	32.525	-8.4	141	-0.02
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	126	-0.02
29	1,1-Dichloropropene	20.000	19.096	4.5	140	-0.02
30 M	2-Butanone	100.000	104.734	-4.7	145	-0.02
31	2,2-Dichloropropane	20.000	19.929	0.4	137	-0.02
32 M	1,1,1-Trichloroethane	20.000	21.058	-5.3	145	-0.02
33 M	Carbon Tetrachloride	20.000	21.079	-5.4	153	-0.03
34 M	Benzene	20.000	19.473	2.6	139	-0.02
35	Methacrylonitrile	20.000	21.818	-9.1	153	-0.02
36 M	1,2-Dichloroethane	20.000	22.510	-12.6	153	-0.02
37 M	Trichloroethene	20.000	18.781	6.1	137	-0.02
38	Methylcyclohexane	20.000	18.137	9.3	130	-0.02
39 M	1,2-Dichloropropane	20.000	20.373	-1.9	137	-0.02
40	Dibromomethane	20.000	21.197	-6.0	143	-0.02
41 M	Bromodichloromethane	20.000	21.852	-9.3	145	-0.02
42 M	Vinyl Acetate	100.000	99.305	0.7	135	-0.02
43	Ethyl Acetate	20.000	22.371	-11.9	143	-0.02
44	Isopropyl Acetate	20.000	21.582	-7.9	151	-0.02
45 T	1,4-Dioxane	400.000	435.529	-8.9	151	-0.02
46	Methyl methacrylate	20.000	21.690	-8.5	148	-0.02
47	n-amyl Acetate	20.000	23.721	-18.6	167	-0.01
48 M	t-1,3-Dichloropropene	20.000	20.708	-3.5	145	-0.02

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087353.D
 Acq On : 18 Jul 2025 09:15
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 18 23:14:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	20.330	-1.6	136	-0.02
50 M	1,1,2-Trichloroethane	20.000	20.144	-0.7	136	-0.02
51	Ethyl methacrylate	20.000	21.202	-6.0	155	-0.03
52	1,3-Dichloropropane	20.000	20.936	-4.7	142	-0.02
53 M	Dibromochloromethane	20.000	22.052	-10.3	152	-0.02
54 M	1,2-Dibromoethane	20.000	19.793	1.0	134	-0.02
55 M	2-Chloroethyl vinyl ether	100.000	102.481	-2.5	139	-0.02
56 M	Bromoform	20.000	21.061	-5.3	147	-0.02
57 I	Chlorobenzene-d5	30.000	30.000	0.0	119	-0.02
58 M	4-Methyl-2-Pentanone	100.000	118.048	-18.0	154	-0.02
59 M	2-Hexanone	100.000	125.791	-25.8#	180	-0.03
60 S	4-Bromofluorobenzene	30.000	31.514	-5.0	129	-0.02
61 M	Tetrachloroethene	20.000	20.748	-3.7	136	-0.02
62 M	Toluene	20.000	19.960	0.2	129	-0.02
63 S	Toluene-d8	30.000	30.020	-0.1	114	-0.02
64 M	Chlorobenzene	20.000	20.238	-1.2	132	-0.02
65	1,1,1,2-Tetrachloroethane	20.000	22.256	-11.3	145	-0.02
66 M	Ethyl Benzene	20.000	19.686	1.6	131	-0.02
67 M	m/p-Xylenes	40.000	40.039	-0.1	132	-0.02
68 M	o-Xylene	20.000	20.351	-1.8	135	-0.02
69 M	Styrene	20.000	19.940	0.3	132	-0.02
70	Isopropylbenzene	20.000	20.841	-4.2	141	-0.02
71 M	1,1,2,2-Tetrachloroethane	20.000	20.465	-2.3	130	-0.02
72	1,2,3-Trichloropropane	20.000	22.968	-14.8	153	-0.02
73	Bromobenzene	20.000	21.751	-8.8	146	-0.02
74	n-propylbenzene	20.000	20.544	-2.7	139	-0.02
75	2-Chlorotoluene	20.000	20.493	-2.5	140	-0.02
76	1,3,5-Trimethylbenzene	20.000	21.335	-6.7	147	-0.02
77	t-1,4-Dichloro-2-butene	20.000	18.956	5.2	133	-0.02
78	4-Chlorotoluene	20.000	21.150	-5.7	144	-0.02
79	tert-butylbenzene	20.000	21.488	-7.4	149	-0.02
80	1,2,4-Trimethylbenzene	20.000	21.477	-7.4	149	-0.02
81	sec-Butylbenzene	20.000	21.448	-7.2	145	-0.02
82	p-Isopropyltoluene	20.000	22.171	-10.9	145	-0.02
83 M	1,3-Dichlorobenzene	20.000	21.391	-7.0	140	-0.02
84 M	1,4-Dichlorobenzene	20.000	20.178	-0.9	133	-0.02
85	n-Butylbenzene	20.000	22.382	-11.9	147	-0.02
86 T	Hexachloroethane	20.000	22.079	-10.4	152	-0.02
87 M	1,2-Dichlorobenzene	20.000	21.442	-7.2	141	-0.02
88	1,2-Dibromo-3-Chloropropane	20.000	19.839	0.8	132	-0.02
89	1,2,4-Trichlorobenzene	20.000	22.107	-10.5	145	-0.02
90	Hexachlorobutadiene	20.000	30.624	-53.1#	202	-0.02
91 M	Naphthalene	20.000	20.451	-2.3	139	-0.02
92	1,2,3-Trichlorobenzene	20.000	22.107	-10.5	145	-0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



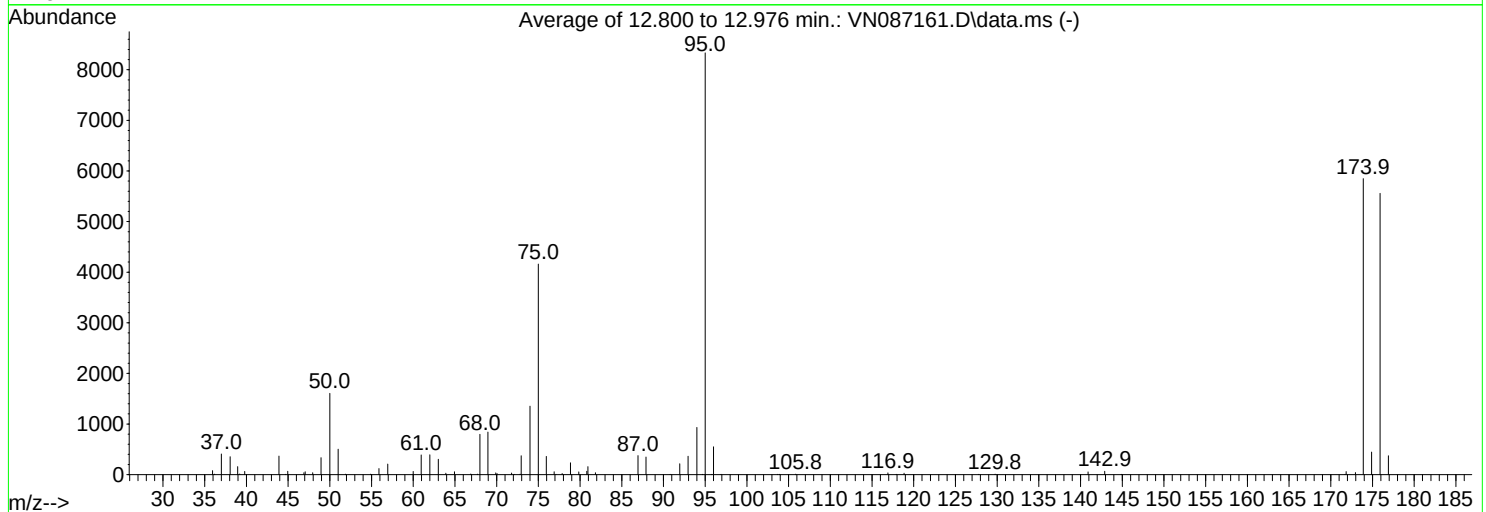
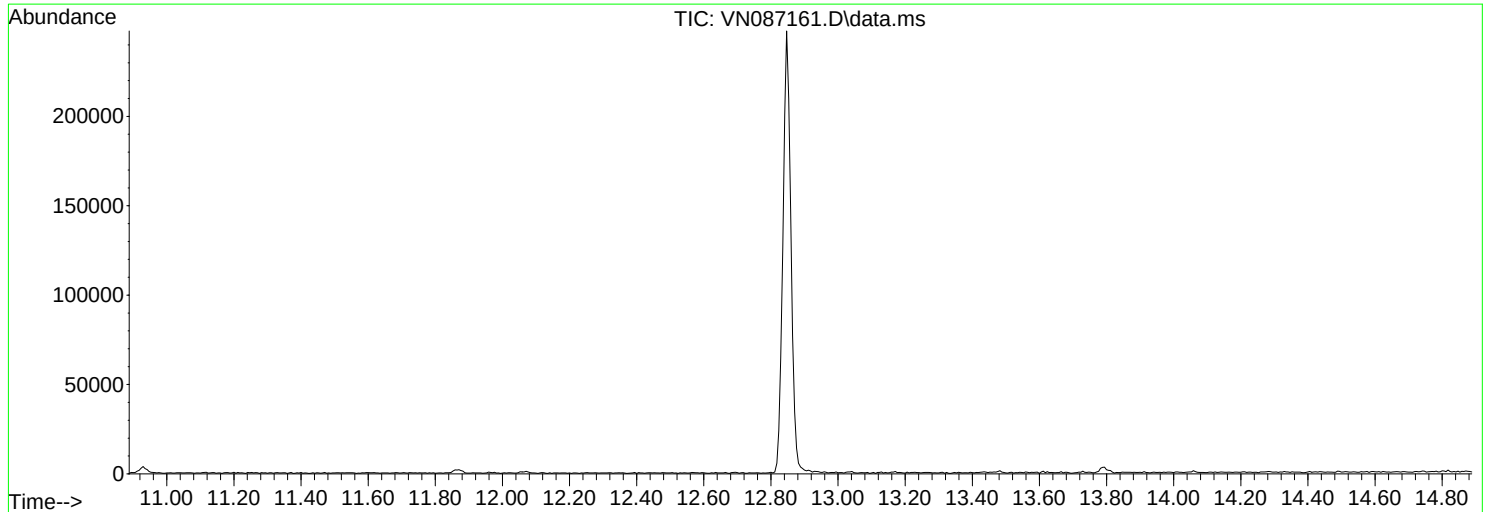
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
Data File : VN087161.D
Acq On : 25 Jun 2025 08:25
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
Title : SW846 8260
Last Update : Wed Jul 09 04:25:34 2025



AutoFind: Averaged scan 1844 to 1874; Bkg corrected with scan 1843

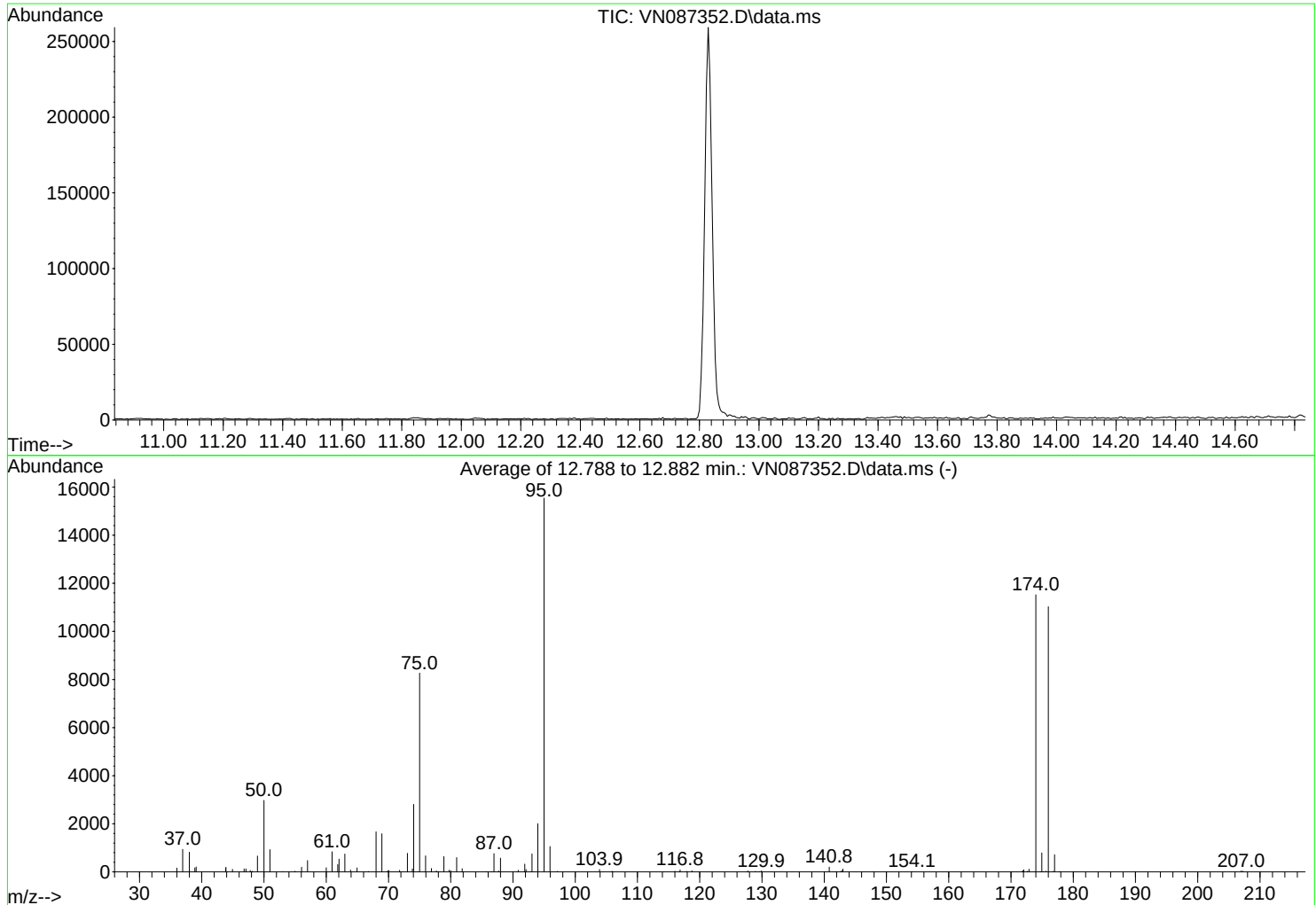
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.3	1607	PASS
75	95	30	60	49.9	4160	PASS
95	95	100	100	100.0	8333	PASS
96	95	5	9	6.6	550	PASS
173	174	0.00	2	0.7	41	PASS
174	95	50	100	70.2	5847	PASS
175	174	5	9	7.6	447	PASS
176	174	95	101	95.0	5556	PASS
177	176	5	9	6.7	373	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
Data File : VN087352.D
Acq On : 18 Jul 2025 08:42
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Jun 25 10:49:56 2025



AutoFind: Averaged scan 1842 to 1858; Bkg corrected with scan 1841

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.1	2975	PASS
75	95	30	60	53.2	8266	PASS
95	95	100	100	100.0	15548	PASS
96	95	5	9	6.8	1053	PASS
173	174	0.00	2	1.0	113	PASS
174	95	50	100	74.1	11523	PASS
175	174	5	9	6.9	793	PASS
176	174	95	101	95.7	11028	PASS
177	176	5	9	6.4	711	PASS

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN062525

Review By	John Carlone	Review On	6/26/2025 8:30:28 AM
Supervise By	Maresh Dadoda	Supervise On	6/26/2025 2:41:09 PM
SubDirectory	VN062525	HP Acquire Method	HP Processing Method 624N062525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134497		
Initial Calibration Stds	VP134518,VP134519,VP134520,VP134521,VP134522		
CCC	VP134498,VP134524,VP134525		
Internal Standard/PEM			
ICV/I.BLK	VP134523		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087161.D	25 Jun 2025 08:25	JC\MD	Ok
2	VSTDIC005	VN087162.D	25 Jun 2025 08:59	JC\MD	Ok,M
3	VSTDICCC020	VN087163.D	25 Jun 2025 09:20	JC\MD	Ok,M
4	VSTDIC050	VN087164.D	25 Jun 2025 09:41	JC\MD	Ok,M
5	VSTDIC100	VN087165.D	25 Jun 2025 10:03	JC\MD	Ok,M
6	VSTDIC150	VN087166.D	25 Jun 2025 10:24	JC\MD	Ok,M
7	IBLK	VN087167.D	25 Jun 2025 10:46	JC\MD	Ok
8	VSTDICV020	VN087168.D	25 Jun 2025 11:08	JC\MD	Ok,M
9	VN0625WBS01	VN087169.D	25 Jun 2025 11:41	JC\MD	Ok,M
10	VN0625WBSD01	VN087170.D	25 Jun 2025 12:15	JC\MD	Ok,M
11	VN0625WBL01	VN087171.D	25 Jun 2025 12:36	JC\MD	Ok
12	Q2349-01	VN087172.D	25 Jun 2025 13:11	JC\MD	Dilution
13	Q2349-04	VN087173.D	25 Jun 2025 13:33	JC\MD	Dilution
14	Q2349-01DL	VN087174.D	25 Jun 2025 13:54	JC\MD	Ok
15	Q2349-04DL	VN087175.D	25 Jun 2025 14:15	JC\MD	Ok
16	IBLK	VN087176.D	25 Jun 2025 14:37	JC\MD	Ok
17	Q2126-07 2.5PPB	VN087177.D	25 Jun 2025 14:58	JC\MD	Not Ok
18	Q2126-08 5.0PPB	VN087178.D	25 Jun 2025 15:20	JC\MD	Not Ok
19	VSTDCCC020	VN087179.D	25 Jun 2025 16:12	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN071825

Review By	John Carlone	Review On	7/21/2025 8:49:59 AM		
Supervise By	Maresh Dadoda	Supervise On	7/21/2025 1:55:50 PM		
SubDirectory	VN071825	HP Acquire Method	MSVOA_N	HP Processing Method	624n062525w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134817			
CCC		VP134818,VP134819			
Internal Standard/PEM		VP134691			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087352.D	18 Jul 2025 08:42	JC\MD	Ok
2	VSTDCCC020	VN087353.D	18 Jul 2025 09:15	JC\MD	Ok,M
3	VN0718WBS01	VN087354.D	18 Jul 2025 09:49	JC\MD	Ok,M
4	VN0718WBS02	VN087355.D	18 Jul 2025 10:21	JC\MD	Not Ok
5	VN0718WBL01	VN087356.D	18 Jul 2025 11:04	JC\MD	Ok
6	Q2630-01	VN087357.D	18 Jul 2025 11:51	JC\MD	Dilution
7	Q2630-02	VN087358.D	18 Jul 2025 12:12	JC\MD	Dilution
8	Q2585-01	VN087359.D	18 Jul 2025 12:34	JC\MD	ReRun
9	Q2594-01	VN087360.D	18 Jul 2025 12:55	JC\MD	Not Ok
10	VN0718WBSD01	VN087361.D	18 Jul 2025 13:16	JC\MD	Ok,M
11	Q2630-01DL	VN087362.D	18 Jul 2025 13:37	JC\MD	Ok
12	Q2630-02DL	VN087363.D	18 Jul 2025 13:59	JC\MD	Ok
13	Q2585-01	VN087364.D	18 Jul 2025 14:20	JC\MD	Ok
14	Q2594-01	VN087365.D	18 Jul 2025 14:41	JC\MD	Ok
15	VSTDCCC020	VN087366.D	18 Jul 2025 15:02	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN062525

Review By	John Carlone	Review On	6/26/2025 8:30:28 AM
Supervise By	Maresh Dadoda	Supervise On	6/26/2025 2:41:09 PM
SubDirectory	VN062525	HP Acquire Method	HP Processing Method 624N062525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134497
Initial Calibration Stds	VP134518,VP134519,VP134520,VP134521,VP134522
CCC	VP134498,VP134524,VP134525
Internal Standard/PEM	
ICV/I.BLK	VP134523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087161.D	25 Jun 2025 08:25		JC\MD	Ok
2	VSTDIC005	VSTDIC005	VN087162.D	25 Jun 2025 08:59		JC\MD	Ok,M
3	VSTDICCC020	VSTDICCC020	VN087163.D	25 Jun 2025 09:20		JC\MD	Ok,M
4	VSTDIC050	VSTDIC050	VN087164.D	25 Jun 2025 09:41		JC\MD	Ok,M
5	VSTDIC100	VSTDIC100	VN087165.D	25 Jun 2025 10:03		JC\MD	Ok,M
6	VSTDIC150	VSTDIC150	VN087166.D	25 Jun 2025 10:24		JC\MD	Ok,M
7	IBLK	IBLK	VN087167.D	25 Jun 2025 10:46		JC\MD	Ok
8	VSTDICV020	ICVVN062525	VN087168.D	25 Jun 2025 11:08	pH#Lot#V12668	JC\MD	Ok,M
9	VN0625WBS01	VN0625WBS01	VN087169.D	25 Jun 2025 11:41		JC\MD	Ok,M
10	VN0625WBSD01	VN0625WBSD01	VN087170.D	25 Jun 2025 12:15		JC\MD	Ok,M
11	VN0625WBL01	VN0625WBL01	VN087171.D	25 Jun 2025 12:36		JC\MD	Ok
12	Q2349-01	001-WILLETS-PT-BLVD	VN087172.D	25 Jun 2025 13:11	vial A pH<2 need 20X	JC\MD	Dilution
13	Q2349-04	002-35TH-AVE(JUNE)	VN087173.D	25 Jun 2025 13:33	vial A pH<2 need 20X	JC\MD	Dilution
14	Q2349-01DL	001-WILLETS-PT-BLVD	VN087174.D	25 Jun 2025 13:54	vial B pH<2	JC\MD	Ok
15	Q2349-04DL	002-35TH-AVE(JUNE)	VN087175.D	25 Jun 2025 14:15	vial B pH<2	JC\MD	Ok
16	IBLK	IBLK	VN087176.D	25 Jun 2025 14:37		JC\MD	Ok
17	Q2126-07 2.5PPB	LOD-MDL-WATER-01-C	VN087177.D	25 Jun 2025 14:58	U Flag for com.#06,11	JC\MD	Not Ok
18	Q2126-08 5.0PPB	LOQ-WATER-02-QT2-2	VN087178.D	25 Jun 2025 15:20	comp.#11 recovery is 40%	JC\MD	Not Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN062525

Review By	John Carlone	Review On	6/26/2025 8:30:28 AM
Supervise By	Mahesh Dadoda	Supervise On	6/26/2025 2:41:09 PM
SubDirectory	VN062525	HP Acquire Method	HP Processing Method 624N062525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134497
Initial Calibration Stds	VP134518,VP134519,VP134520,VP134521,VP134522
CCC	VP134498,VP134524,VP134525
Internal Standard/PEM	
ICV/I.BLK	VP134523
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC020	VSTDCCC020EC	VN087179.D	25 Jun 2025 16:12		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN071825

Review By	John Carlone	Review On	7/21/2025 8:49:59 AM
Supervise By	Maresh Dadoda	Supervise On	7/21/2025 1:55:50 PM
SubDirectory	VN071825	HP Acquire Method	MSVOA_N HP Processing Method 624n062525w.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134817
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134818,VP134819 VP134691

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087352.D	18 Jul 2025 08:42		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087353.D	18 Jul 2025 09:15		JC\MD	Ok,M
3	VN0718WBS01	VN0718WBS01	VN087354.D	18 Jul 2025 09:49		JC\MD	Ok,M
4	VN0718WBS02	VN0718WBS02	VN087355.D	18 Jul 2025 10:21	surrogate failed	JC\MD	Not Ok
5	VN0718WBL01	VN0718WBL01	VN087356.D	18 Jul 2025 11:04		JC\MD	Ok
6	Q2630-01	001 Willets Pt Blvd (Jur	VN087357.D	18 Jul 2025 11:51	vial A pH<2 Need 5X	JC\MD	Dilution
7	Q2630-02	002 35th Ave (JUNE)	VN087358.D	18 Jul 2025 12:12	vial A pH<2 Surrogate Fail;Need 5X	JC\MD	Dilution
8	Q2585-01	EFF-WW	VN087359.D	18 Jul 2025 12:34	vial A pH<2 Surrogate fail;E flag of previous sample	JC\MD	ReRun
9	Q2594-01	CC-071325-RW	VN087360.D	18 Jul 2025 12:55	Surrogate Fail;Run @ lower dilution	JC\MD	Not Ok
10	VN0718WBSD01	VN0718WBSD01	VN087361.D	18 Jul 2025 13:16	BSD Failed Low for com.#16,26	JC\MD	Ok,M
11	Q2630-01DL	001 Willets Pt Blvd (Jur	VN087362.D	18 Jul 2025 13:37	vial B pH<2	JC\MD	Ok
12	Q2630-02DL	002 35th Ave (JUNE)DL	VN087363.D	18 Jul 2025 13:59	vial B pH<2	JC\MD	Ok
13	Q2585-01	EFF-WW	VN087364.D	18 Jul 2025 14:20	vial B pH<2	JC\MD	Ok
14	Q2594-01	CC-071325-RW	VN087365.D	18 Jul 2025 14:41	vial A pH<2	JC\MD	Ok
15	VSTDCCC020	VSTDCCC020EC	VN087366.D	18 Jul 2025 15:02		JC\MD	Ok,M

M : Manual Integration



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q 2630

COC Number:

CLIENT INFORMATION

COMPANY: Tully Environmental Inc.
ADDRESS: 57 Seaview Blvd
CITY: Pt Washington STATE: NY ZIP: 11050
ATTENTION: Dean Devoe
PHONE: 718 446 7000 FAX:

PROJECT INFORMATION

PROJECT NAME: Transfer Station SPDES
PROJECT #: 252113 LOCATION:
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILLING INFORMATION

BILL TO: Same PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: _____ DAYS*
HARD COPY: _____ DAYS*
EDD _____ DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

* RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

ANALYSIS

CU, Fe, Pb	TSS	BTEX							
1	2	3	4	5	6	7	8	9	

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP GRAB	SAMPLE COLLECTION DATE TIME	# of Bottles	1	2	3	4	5	6	7	8	9
1.	001 Willets Pt Blvd (June)	W		X 7/16/25 11:30		X	X	X						
2.	002 35th Ave (June)	W		X 7/16/25 11:30		X	X	X						
3.														
4.														
5.														
6.														
7.														
8.														
9.														
10.														

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1. D Devoe	DATE/TIME July 16, 2025	RECEIVED BY 1. _____	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>20.5</u> MeOH extraction requires an additional 4oz. Jar for percent solid Comments: <u>IF-Guntel ICE melted</u>
RELINQUISHED BY 2. _____	DATE/TIME <u>7/17/25</u>	RECEIVED BY 2. _____	
RELINQUISHED BY 3. _____	DATE/TIME _____	RECEIVED FOR LAB BY 3. _____	

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

From: Dean Devoe <DDevoe@tullyconstruction.com>
Sent: Thursday, July 17, 2025 12:13 PM
Subject: RE: melted ice

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Please proceed. Any suggestions on how to prevent ice from melting overnight during the current heat conditions?

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Thursday, July 17, 2025 12:11 PM
To: Dean Devoe <DDevoe@tullyconstruction.com>
Subject: melted ice

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Good afternoon,

sample received with melted ice with Temp 20.5 cel on 7/17/2025 let us know how to proceed with analysis ?

Thanks & Regards,



Deepak Parmar
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900

Direct: 908-728-3154

Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092

www.alliancetg.com



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 : Q2630	TULL01	Order Date : 7/17/2025 10:48:00 AM	Project Mgr :
Client Name : Tully Environmental, Inc		Project Name : Transfer Station-SPDES	Report Type : Results Only
Client Contact : Dean Devoe		Receive DateTime : 7/17/2025 9:53:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Tully Environmental, Inc		Purchase Order :	Hard Copy Date :
Invoice Contact : Dean Devoe			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2630-01	001 Willets Pt Blvd (June)	Water	07/16/2025	11:30	VOC-BTEX		624.1	4 Bus. Days	
Q2630-02	002 35th Ave (JUNE)	Water	07/16/2025	11:30	VOC-BTEX		624.1	4 Bus. Days	

Relinquished By :

Date / Time :

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room