

Cover Page

Order ID : Q2681

Project ID : NYPA

Client : Core Environmental Consultants and Services, Inc.

Lab Sample Number

Q2681-01

Client Sample Number

NYPA-POUCH-SPENT-CARBON

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: 7/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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 #: Q2681

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 07/29/2025

LAB CHRONICLE

OrderID:	Q2681	OrderDate:	7/23/2025 2:59:39 PM
Client:	Core Environmental Consultants and Services, Inc.	Project:	NYPA
Contact:	Roland Scardino	Location:	D21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2681-01	NYPA-POUCH-SPENT-CARBON	TCLP			07/23/25			07/23/25
			TCLP VOA	8260D			07/28/25	
Q2681-01DL	NYPA-POUCH-SPENT-CARBONDL	TCLP			07/23/25			07/23/25
			TCLP VOA	8260D			07/28/25	

Hit Summary Sheet
SW-846

SDG No.: Q2681

Client: Core Environmental Consultants and Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: NYPA-POUCH-SPENT-CARBON								
Q2681-01	NYPA-POUCH-SPI TCLP		2-Butanone	19.0	J	0.98	25.0	ug/L
Q2681-01	NYPA-POUCH-SPI TCLP		Benzene	200	E	0.15	5.00	ug/L
			Total Voc :	219				
			Total Concentration:	219				
Client ID: NYPA-POUCH-SPENT-CARBONDL								
Q2681-01DL	NYPA-POUCH-SPI TCLP		Benzene	190	D	0.75	25.0	ug/L
			Total Voc :	190				
			Total Concentration:	190				



QC SUMMARY

Surrogate Summary

SDG No.: Q2681

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2681-01	NYPA-POUCH-SPENT-CARBON	1,2-Dichloroethane-d4	50	55.2	110		74	125
		Dibromofluoromethane	50	50.5	101		75	124
		Toluene-d8	50	57.1	114	*	86	113
		4-Bromofluorobenzene	50	51.3	103		77	121
Q2681-01DL	NYPA-POUCH-SPENT-CARBONDL	1,2-Dichloroethane-d4	50	44.8	90		74	125
		Dibromofluoromethane	50	45.6	91		75	124
		Toluene-d8	50	43.5	87		86	113
		4-Bromofluorobenzene	50	47.9	96		77	121

Surrogate Summary

SDG No.: Q2681

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VX0728WBL01	VX0728WBL01	1,2-Dichloroethane-d4	50	49.4	99		74	125
		Dibromofluoromethane	50	50.7	101		75	124
		Toluene-d8	50	47.8	96		86	113
		4-Bromofluorobenzene	50	52.3	105		77	121
VX0728WBS01	VX0728WBS01	1,2-Dichloroethane-d4	50	45.6	91		74	125
		Dibromofluoromethane	50	47.8	96		75	124
		Toluene-d8	50	45.6	91		86	113
		4-Bromofluorobenzene	50	47.4	95		77	121
VX0728WBSD0	VX0728WBSD01	1,2-Dichloroethane-d4	50	47.5	95		74	125
		Dibromofluoromethane	50	48.0	96		75	124
		Toluene-d8	50	45.3	91		86	113
		4-Bromofluorobenzene	50	48.6	97		77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2681</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Core Environmental Consultants and</u>	Datafile :	<u>VX047155.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0728WBS01	Vinyl chloride	20	19.3	ug/L	97			65	117	
	1,1-Dichloroethene	20	18.4	ug/L	92			74	110	
	2-Butanone	100	92.4	ug/L	92			65	122	
	Carbon Tetrachloride	20	18.9	ug/L	95			77	113	
	Chloroform	20	18.5	ug/L	93			79	113	
	Benzene	20	18.7	ug/L	94			82	109	
	1,2-Dichloroethane	20	19.2	ug/L	96			80	115	
	Trichloroethene	20	18.5	ug/L	93			77	113	
	Tetrachloroethene	20	18.3	ug/L	92			67	123	
	Chlorobenzene	20	18.6	ug/L	93			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2681</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Core Environmental Consultants and</u>	Datafile :	<u>VX047156.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0728WBSD01	Vinyl chloride	20	18.3	ug/L	92	5		65	117	19
	1,1-Dichloroethene	20	17.9	ug/L	90	2		74	110	20
	2-Butanone	100	92.0	ug/L	92	0		65	122	26
	Carbon Tetrachloride	20	18.6	ug/L	93	2		77	113	15
	Chloroform	20	18.4	ug/L	92	1		79	113	20
	Benzene	20	18.6	ug/L	93	1		82	109	15
	1,2-Dichloroethane	20	19.3	ug/L	97	1		80	115	20
	Trichloroethene	20	18.3	ug/L	92	1		77	113	15
	Tetrachloroethene	20	17.6	ug/L	88	4		67	123	15
	Chlorobenzene	20	18.6	ug/L	93	0		82	109	15

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0728WBL01

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Lab File ID: VX047154.D

Lab Sample ID: VX0728WBL01

Date Analyzed: 07/28/2025

Time Analyzed: 10:19

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0728WBS01	VX0728WBS01	VX047155.D	07/28/2025
VX0728WBSD01	VX0728WBSD01	VX047156.D	07/28/2025
NYPA-POUCH-SPENT-CARBON	Q2681-01	VX047162.D	07/28/2025
NYPA-POUCH-SPENT-CARBONDL	Q2681-01DL	VX047165.D	07/28/2025

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Lab File ID: VX047054.D

BFB Injection Date: 07/21/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:53

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	52.5
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	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.5
175	5.0 - 9.0% of mass 174	5.3 (7.3) 1
176	95.0 - 101.0% of mass 174	69.5 (95.9) 1
177	5.0 - 9.0% of mass 176	5 (7.2) 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
VSTDIC001	VSTDIC001	VX047055.D	07/21/2025	09:47
VSTDIC005	VSTDIC005	VX047056.D	07/21/2025	10:08
VSTDIC020	VSTDIC020	VX047057.D	07/21/2025	10:29
VSTDIC050	VSTDIC050	VX047058.D	07/21/2025	10:50
VSTDIC100	VSTDIC100	VX047059.D	07/21/2025	11:11
VSTDIC150	VSTDIC150	VX047060.D	07/21/2025	11:32



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Lab File ID: VX047151.D

BFB Injection Date: 07/28/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:52

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	52
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	72.3
175	5.0 - 9.0% of mass 174	5.4 (7.4) 1
176	95.0 - 101.0% of mass 174	70 (96.8) 1
177	5.0 - 9.0% of mass 176	4.6 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047152.D	07/28/2025	09:23
VX0728WBL01	VX0728WBL01	VX047154.D	07/28/2025	10:19
VX0728WBS01	VX0728WBS01	VX047155.D	07/28/2025	10:45
VX0728WBSD01	VX0728WBSD01	VX047156.D	07/28/2025	11:11
NYPA-POUCH-SPENT-CARBON	Q2681-01	VX047162.D	07/28/2025	14:03
NYPA-POUCH-SPENT-CARBONDL	Q2681-01DL	VX047165.D	07/28/2025	15:07

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CORE02
Lab Code: ACE SDG NO.: Q2681
Lab File ID: VX047152.D Date Analyzed: 07/28/2025
Instrument ID: MSVOA_X Time Analyzed: 09:23
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	347966	5.56	583631	6.76	509126	10.05
UPPER LIMIT	695932	6.056	1167260	7.263	1018250	10.549
LOWER LIMIT	173983	5.056	291816	6.263	254563	9.549
EPA SAMPLE NO.						
NYPA-POUCH-SPENT-CARBON	328899	5.56	549412	6.77	500328	10.06
NYPA-POUCH-SPENT-CARBONDL	322992	5.57	546891	6.77	497406	10.06
VX0728WBL01	333922	5.56	570654	6.77	517999	10.06
VX0728WBS01	313373	5.56	525191	6.76	469756	10.06
VX0728WBSD01	296687	5.56	500012	6.76	452886	10.06

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CORE02
 Lab Code: ACE SDG NO.: Q2681
 Lab File ID: VX047152.D Date Analyzed: 07/28/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:23
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	238942	12.018				
UPPER LIMIT	477884	12.518				
LOWER LIMIT	119471	11.518				
EPA SAMPLE NO.						
NYPA-POUCH-SPENT-CARBON	258193	12.02				
NYPA-POUCH-SPENT-CARBONDL	253109	12.02				
VX0728WBL01	262134	12.02				
VX0728WBS01	234098	12.02				
VX0728WBSD01	223131	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/23/25
Project:	NYPA	Date Received:	07/23/25
Client Sample ID:	NYPA-POUCH-SPENT-CARBON	SDG No.:	Q2681
Lab Sample ID:	Q2681-01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :	SW5035	Level :	LOW
		Final Vol:	5000
		Test:	TCLP VOA

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047162.D	1	07/28/25 14:03	VX072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
78-93-3	2-Butanone	19.0	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-43-2	Benzene	200	E	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	57.1	*	86 - 113	114%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	329000	5.562			
540-36-3	1,4-Difluorobenzene	549000	6.769			
3114-55-4	Chlorobenzene-d5	500000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	258000	12.018			

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_X\Data\VX072825\
 Data File : VX047162.D
 Acq On : 28 Jul 2025 14:03
 Operator : JC/MD
 Sample : Q2681-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NYPA-POUCH-SPENT-CARBON

Quant Time: Jul 29 03:33:31 2025
 Quant Title :
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

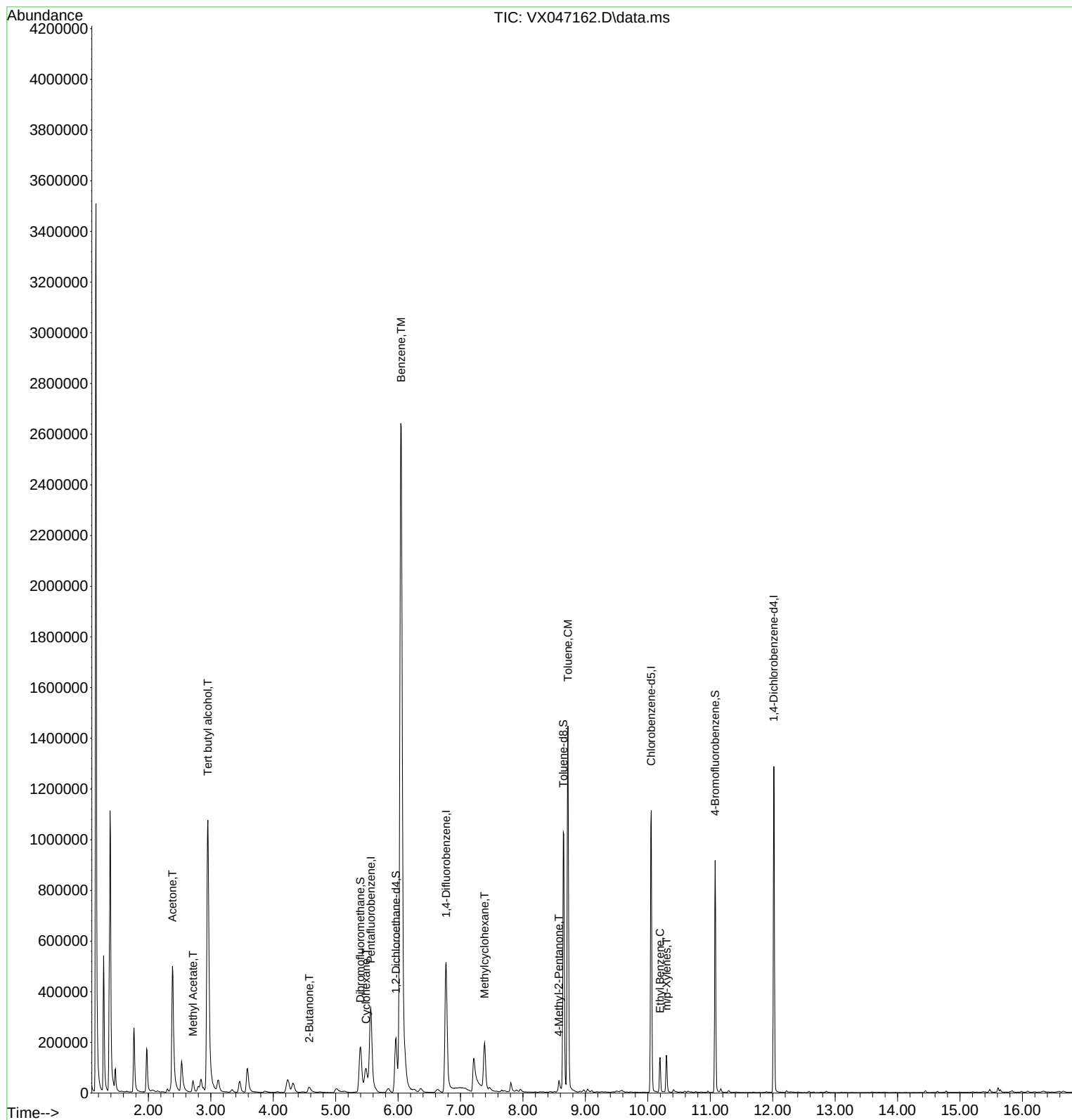
Internal Standards						
1) Pentafluorobenzene	5.562	168	328899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	549412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	500328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	258193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	225979	55.157	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.320%	
35) Dibromofluoromethane	5.397	113	171228	50.476	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.960%	
50) Toluene-d8	8.647	98	626948	57.069	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 114.140%#	
62) 4-Bromofluorobenzene	11.079	95	242667	51.258	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1519782	3298.656	ug/l	99
16) Acetone	2.386	43	707437	431.026	ug/l	99
18) Methyl Acetate	2.715	43	59422	13.624	ug/l	99
25) 2-Butanone	4.574	43	45496	19.037	ug/l	99
31) Cyclohexane	5.483	56	71640m	9.354	ug/l	
39) Methylcyclohexane	7.385	83	85157	11.795	ug/l	95
40) Benzene	6.050	78	3386197	202.351	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	32060	6.493	ug/l	97
52) Toluene	8.720	92	551563	53.604	ug/l	99
67) Ethyl Benzene	10.195	91	82208	4.011	ug/l	99
68) m/p-Xylenes	10.299	106	34134	4.451	ug/l	98

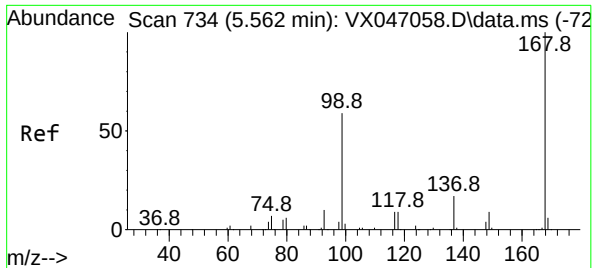
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
Data File : VX047162.D
Acq On : 28 Jul 2025 14:03
Operator : JC/MD
Sample : Q2681-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NYPA-POUCH-SPENT-CARBON

Quant Time: Jul 29 03:33:31 2025
Quant Title :
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

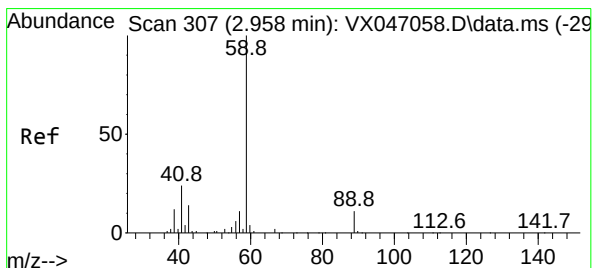
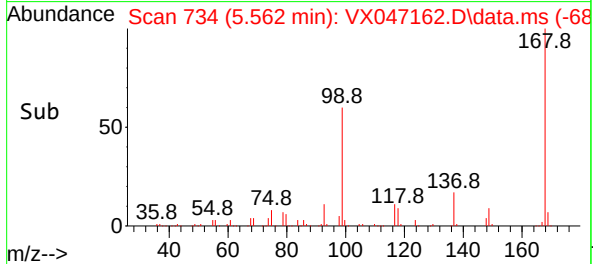
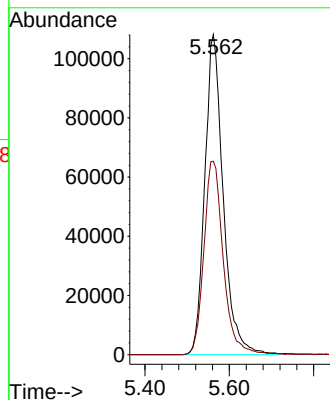
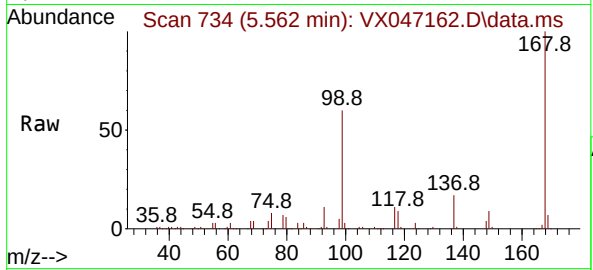




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047162.D
Acq: 28 Jul 2025 14:03

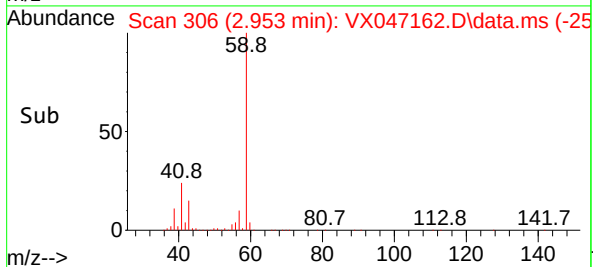
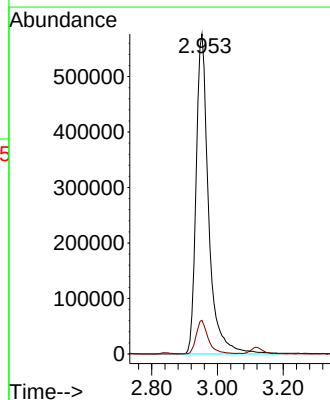
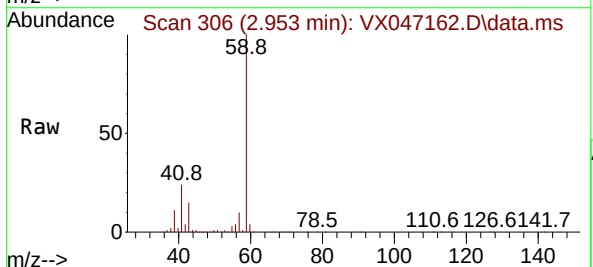
Instrument :
MSVOA_X
ClientSampleId :
NYPA-POUCH-SPENT-CARBON

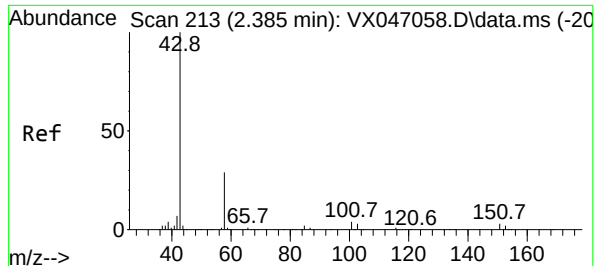
Tgt Ion:168 Resp: 328899
Ion Ratio Lower Upper
168 100
99 60.4 48.0 72.0



#11
Tert butyl alcohol
Concen: 3298.656 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX047162.D
Acq: 28 Jul 2025 14:03

Tgt Ion: 59 Resp: 1519782
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7

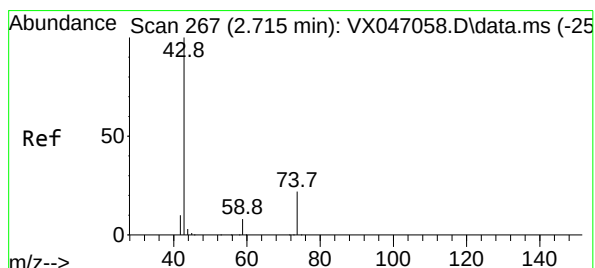
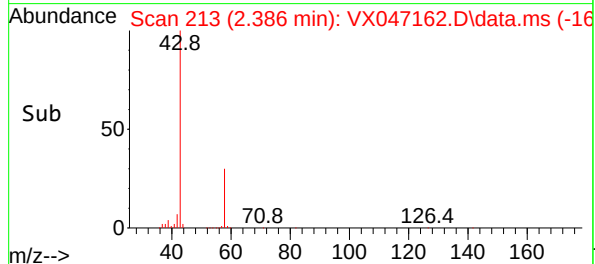
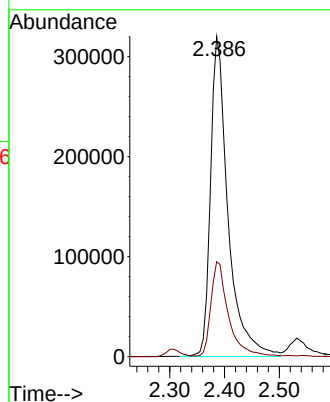
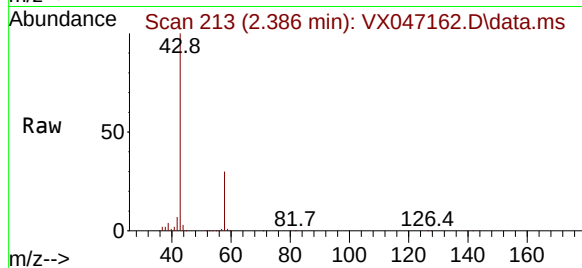




#16
Acetone
Concen: 431.026 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047162.D
Acq: 28 Jul 2025 14:03

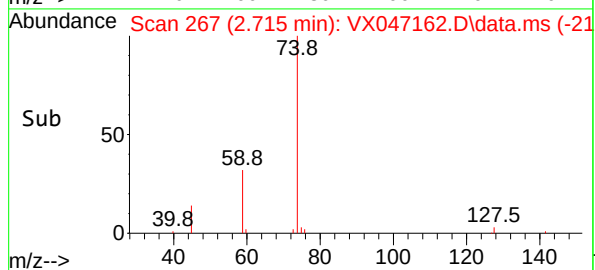
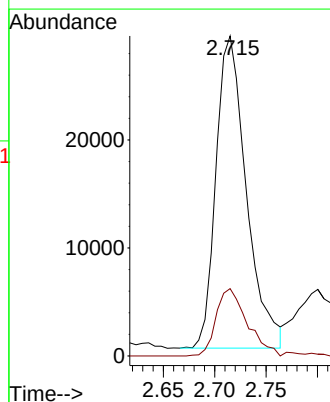
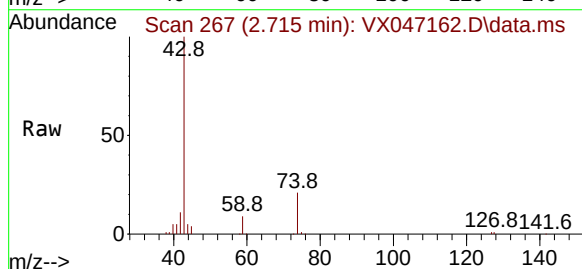
Instrument :
MSVOA_X
ClientSampleId :
NYPA-POUCH-SPENT-CARBON

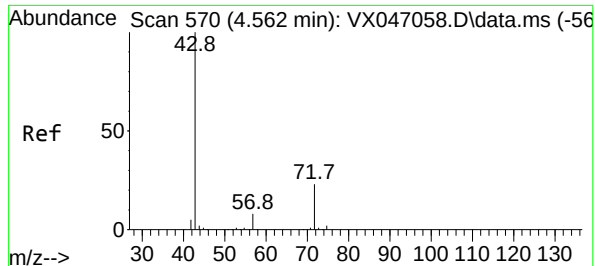
Tgt Ion: 43 Resp: 707437
Ion Ratio Lower Upper
43 100
58 29.4 24.0 36.0



#18
Methyl Acetate
Concen: 13.624 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047162.D
Acq: 28 Jul 2025 14:03

Tgt Ion: 43 Resp: 59422
Ion Ratio Lower Upper
43 100
74 22.4 17.7 26.5





#25

2-Butanone

Concen: 19.037 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX047162.D

Acq: 28 Jul 2025 14:03

Instrument :

MSVOA_X

ClientSampleId :

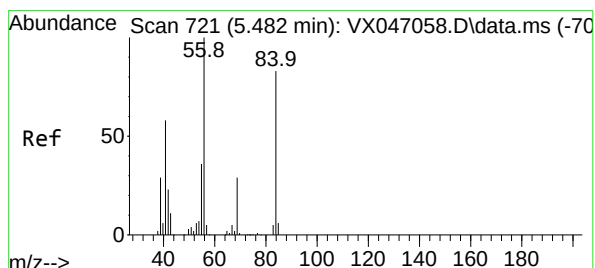
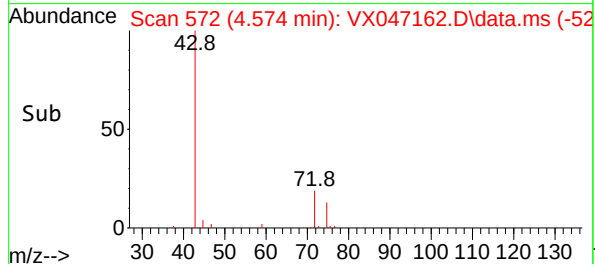
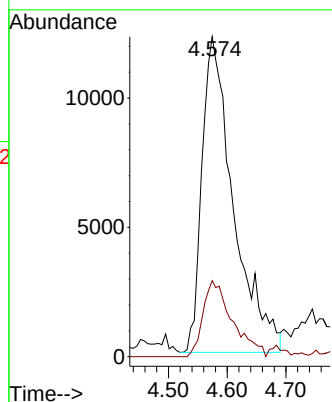
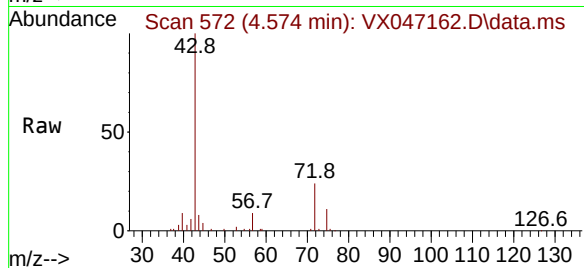
NYPA-POUCH-SPENT-CARBON

Tgt Ion: 43 Resp: 45496

Ion Ratio Lower Upper

43 100

72 23.0 18.8 28.2



#31

Cyclohexane

Concen: 9.354 ug/l m

RT: 5.483 min Scan# 721

Delta R.T. 0.000 min

Lab File: VX047162.D

Acq: 28 Jul 2025 14:03

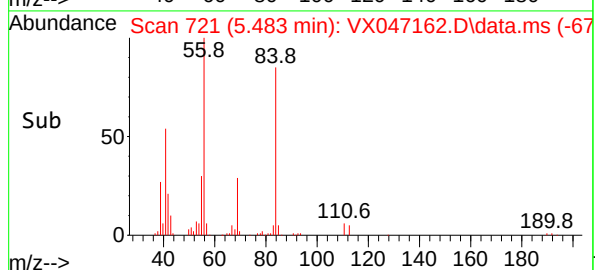
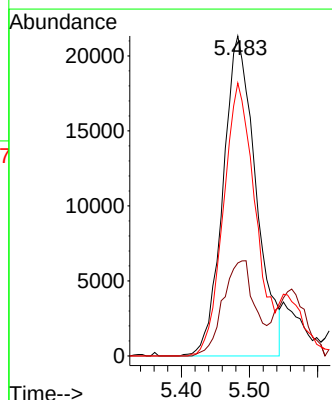
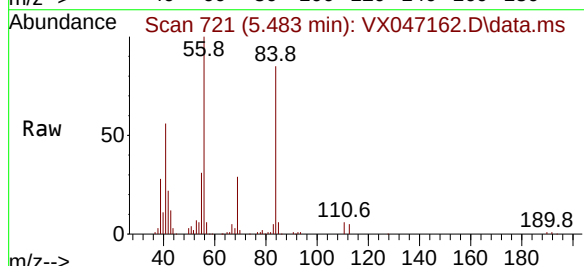
Tgt Ion: 56 Resp: 71640

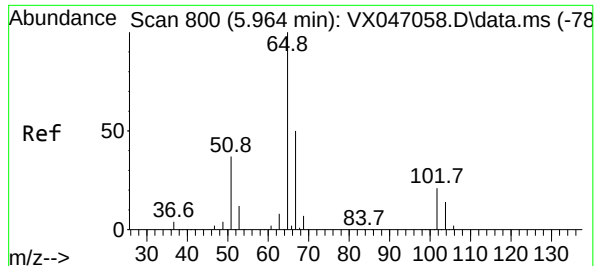
Ion Ratio Lower Upper

56 100

69 29.0 23.3 34.9

84 85.3 66.5 99.7





#33

1,2-Dichloroethane-d4

Concen: 55.157 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047162.D

Acq: 28 Jul 2025 14:03

Instrument :

MSVOA_X

ClientSampleId :

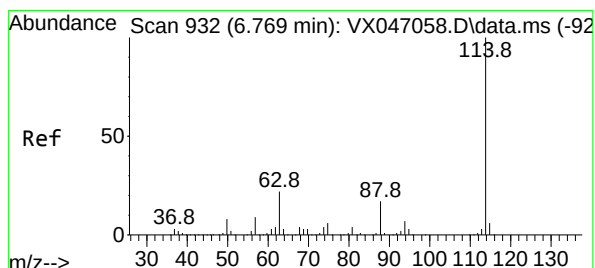
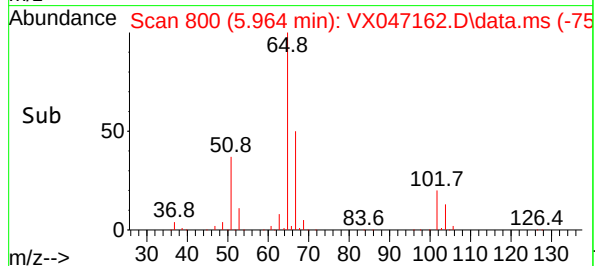
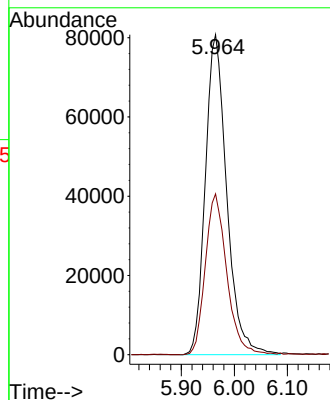
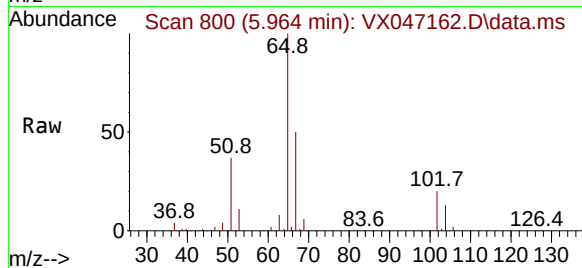
NYPA-POUCH-SPENT-CARBON

Tgt Ion: 65 Resp: 225979

Ion Ratio Lower Upper

65 100

67 50.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047162.D

Acq: 28 Jul 2025 14:03

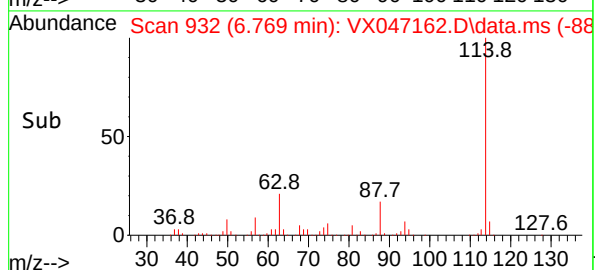
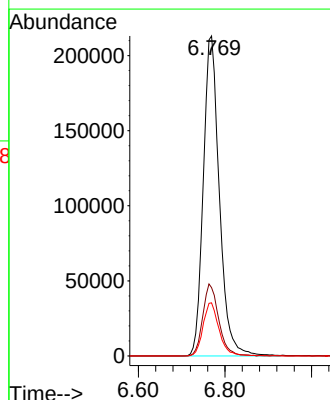
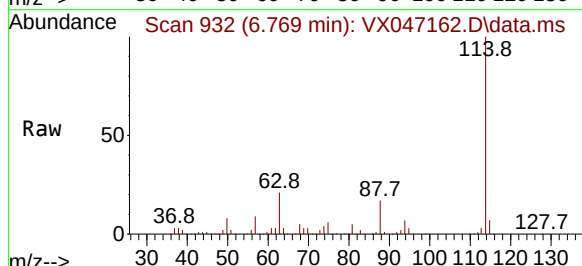
Tgt Ion: 114 Resp: 549412

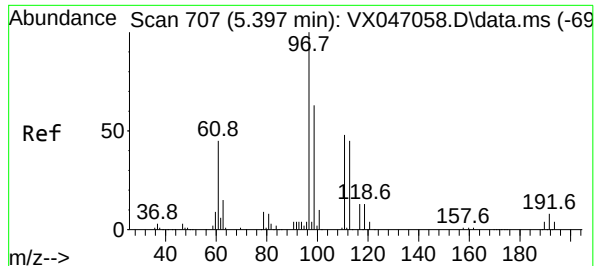
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.476 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047162.D

Acq: 28 Jul 2025 14:03

Instrument :

MSVOA_X

ClientSampleId :

NYPA-POUCH-SPENT-CARBON

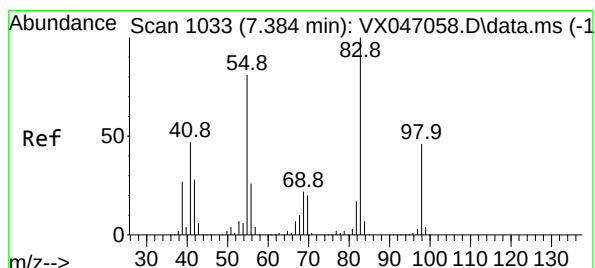
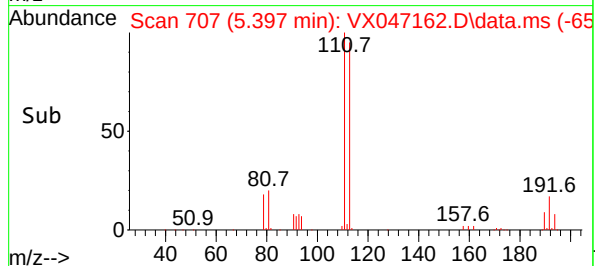
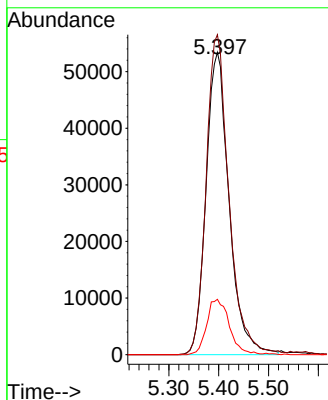
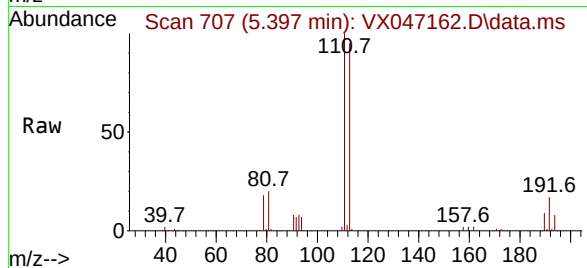
Tgt Ion:113 Resp: 171228

Ion Ratio Lower Upper

113 100

111 104.8 82.6 124.0

192 18.0 14.9 22.3



#39

Methylcyclohexane

Concen: 11.795 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX047162.D

Acq: 28 Jul 2025 14:03

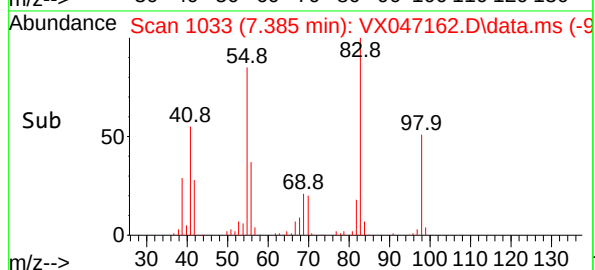
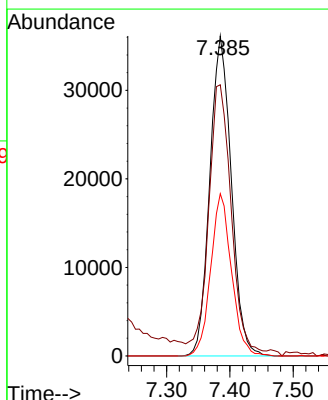
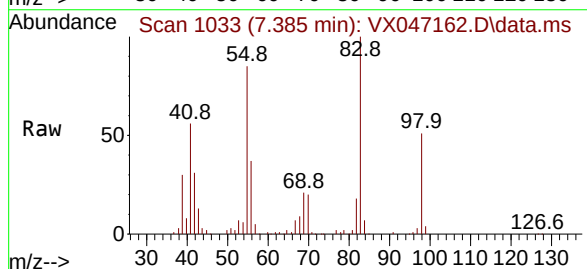
Tgt Ion: 83 Resp: 85157

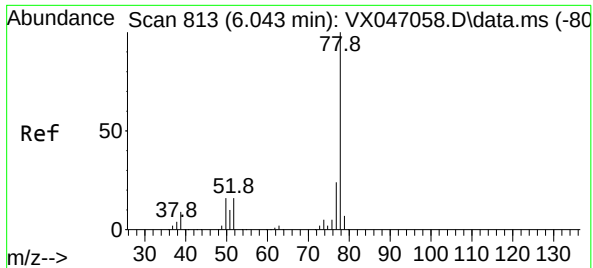
Ion Ratio Lower Upper

83 100

55 83.5 64.5 96.7

98 50.7 36.9 55.3

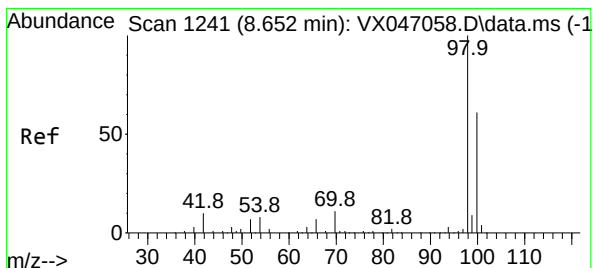
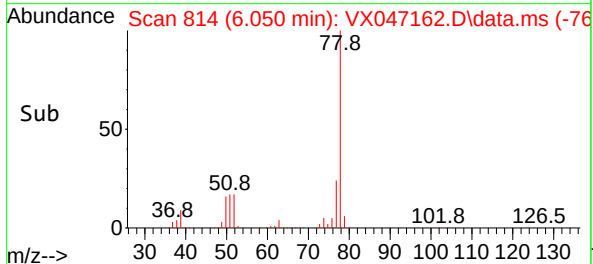
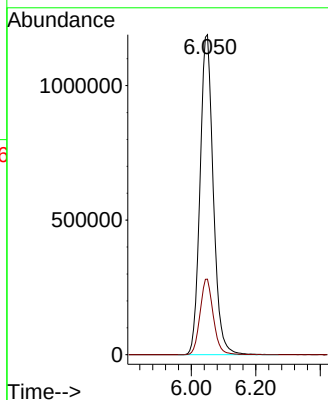
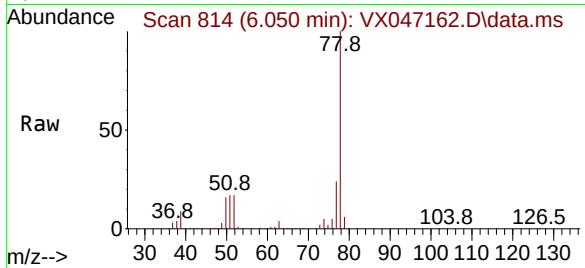




#40
Benzene
Concen: 202.351 ug/l
RT: 6.050 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX047162.D
Acq: 28 Jul 2025 14:03

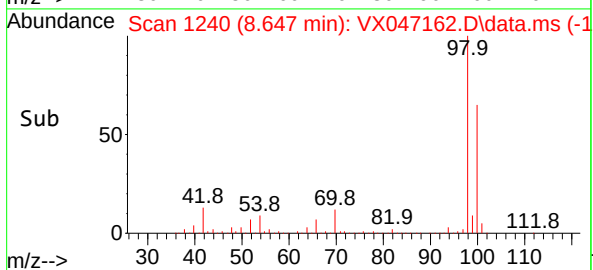
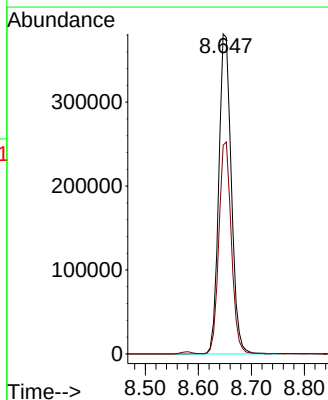
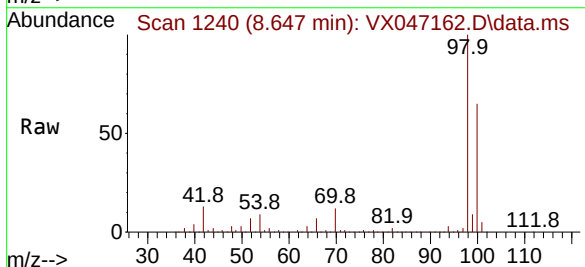
Instrument :
MSVOA_X
ClientSampleId :
NYPA-POUCH-SPENT-CARBON

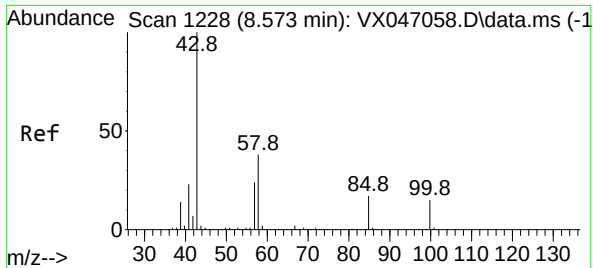
Tgt Ion: 78 Resp: 3386197
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4



#50
Toluene-d8
Concen: 57.069 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047162.D
Acq: 28 Jul 2025 14:03

Tgt Ion: 98 Resp: 626948
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9

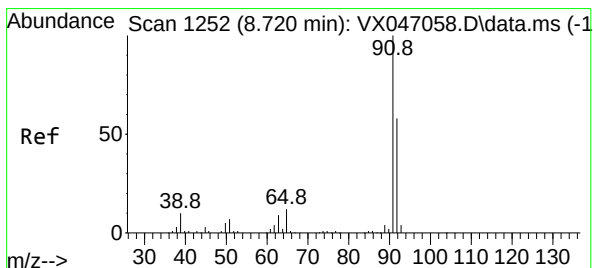
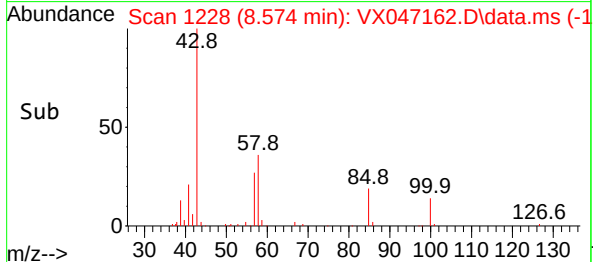
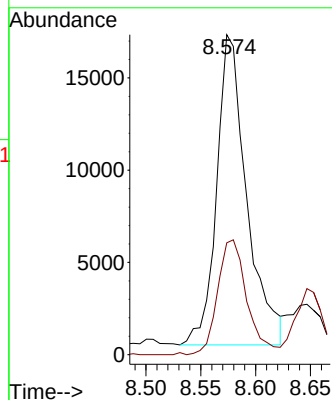
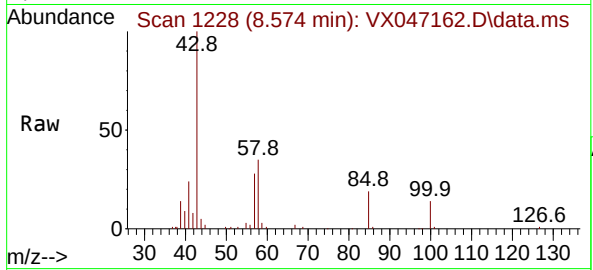




#51
4-Methyl-2-Pentanone
Concen: 6.493 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047162.D
Acq: 28 Jul 2025 14:03

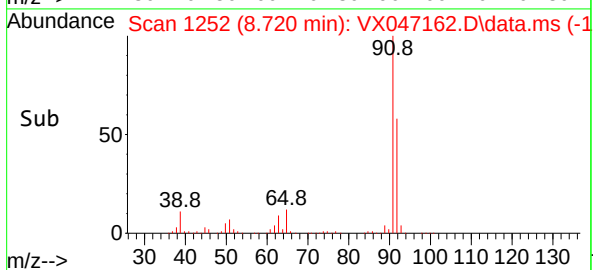
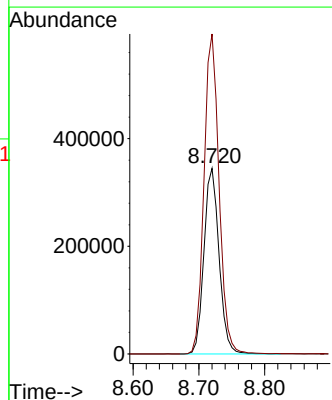
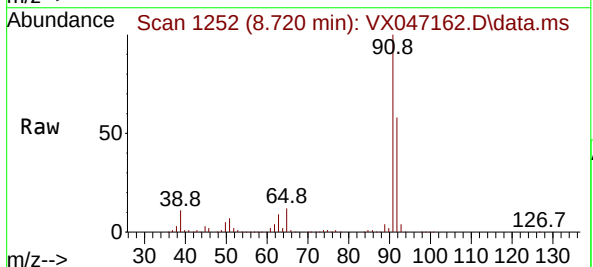
Instrument :
MSVOA_X
ClientSampleId :
NYPA-POUCH-SPENT-CARBON

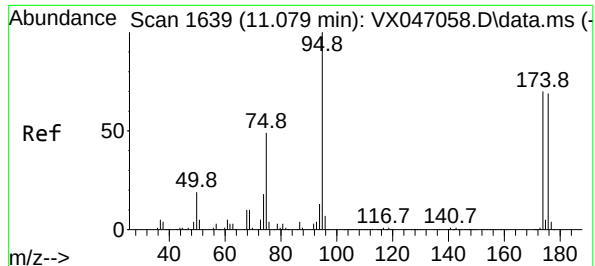
Tgt Ion: 43 Resp: 32060
Ion Ratio Lower Upper
43 100
58 36.3 30.6 45.8



#52
Toluene
Concen: 53.604 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047162.D
Acq: 28 Jul 2025 14:03

Tgt Ion: 92 Resp: 551563
Ion Ratio Lower Upper
92 100
91 171.3 137.9 206.9





#62

4-Bromofluorobenzene

Concen: 51.258 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047162.D

Acq: 28 Jul 2025 14:03

Instrument :

MSVOA_X

ClientSampleId :

NYPA-POUCH-SPENT-CARBON

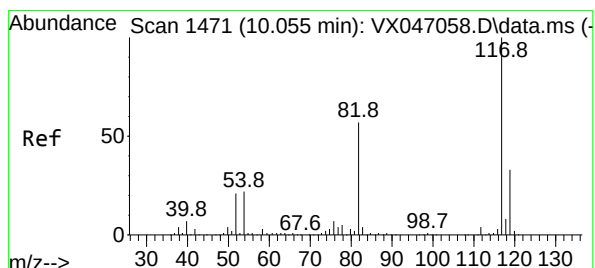
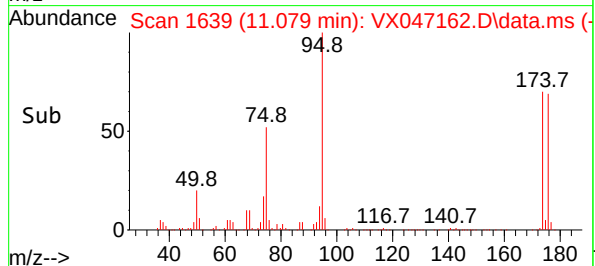
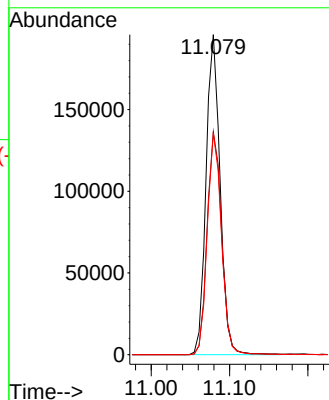
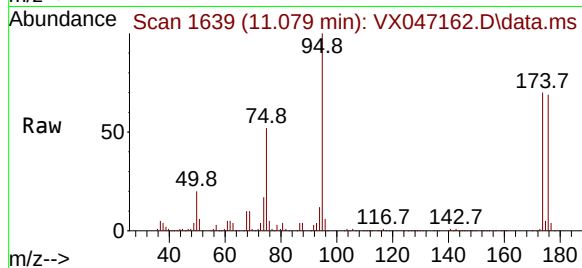
Tgt Ion: 95 Resp: 242667

Ion Ratio Lower Upper

95 100

174 72.3 0.0 144.6

176 70.0 0.0 139.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047162.D

Acq: 28 Jul 2025 14:03

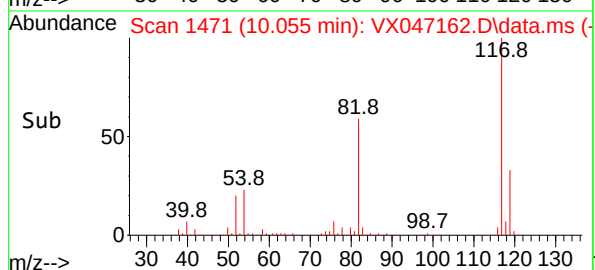
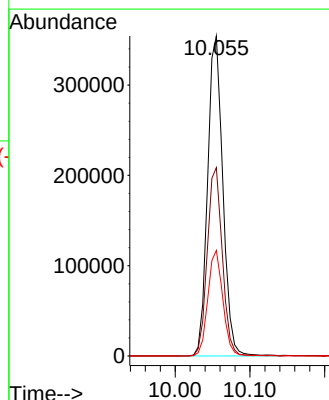
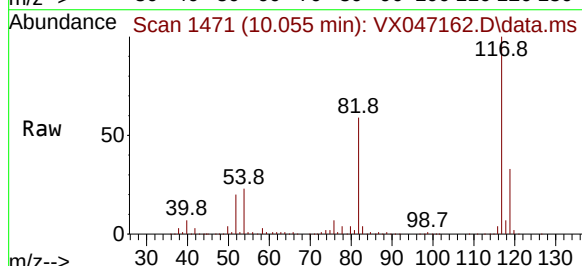
Tgt Ion: 117 Resp: 500328

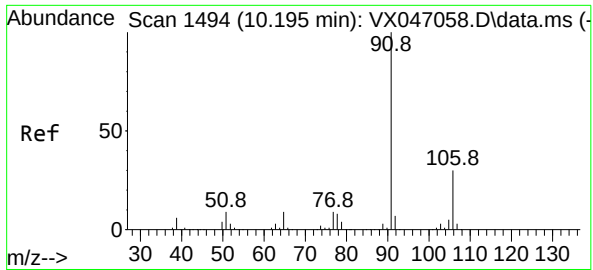
Ion Ratio Lower Upper

117 100

82 58.8 45.4 68.2

119 33.0 26.1 39.1

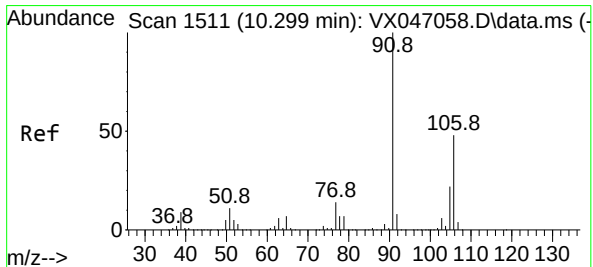
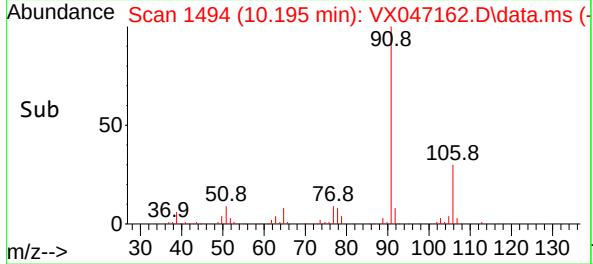
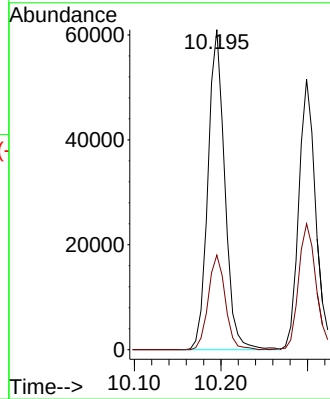
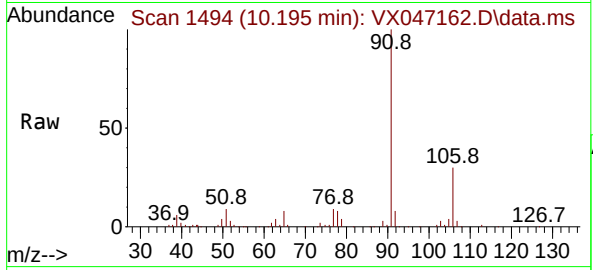




#67
Ethyl Benzene
Concen: 4.011 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047162.D
Acq: 28 Jul 2025 14:03

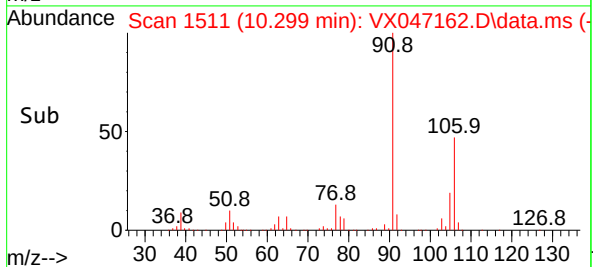
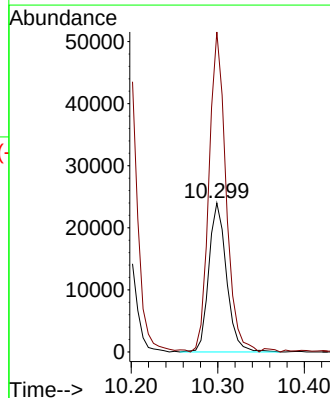
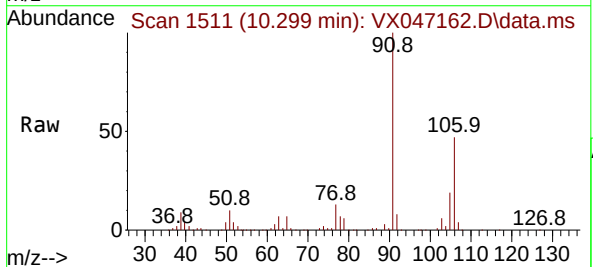
Instrument :
MSVOA_X
ClientSampleId :
NYPA-POUCH-SPENT-CARBON

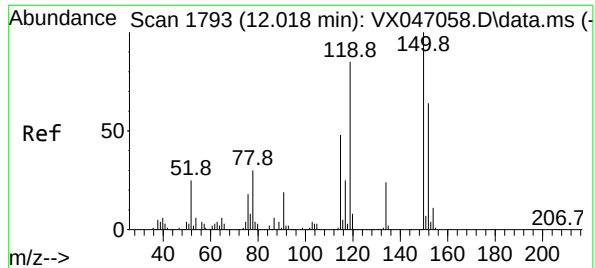
Tgt Ion: 91 Resp: 82208
Ion Ratio Lower Upper
91 100
106 29.6 24.2 36.4



#68
m/p-Xylenes
Concen: 4.451 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047162.D
Acq: 28 Jul 2025 14:03

Tgt Ion: 106 Resp: 34134
Ion Ratio Lower Upper
106 100
91 205.5 167.4 251.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047162.D

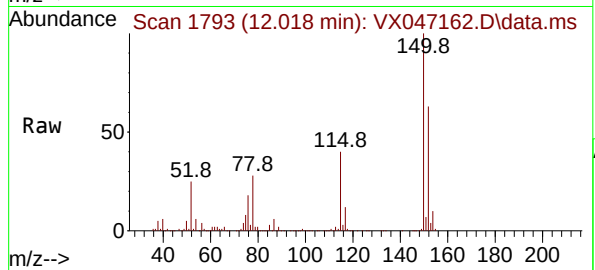
Acq: 28 Jul 2025 14:03

Instrument :

MSVOA_X

ClientSampleId :

NYPA-POUCH-SPENT-CARBON



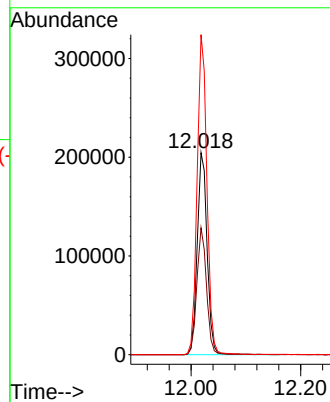
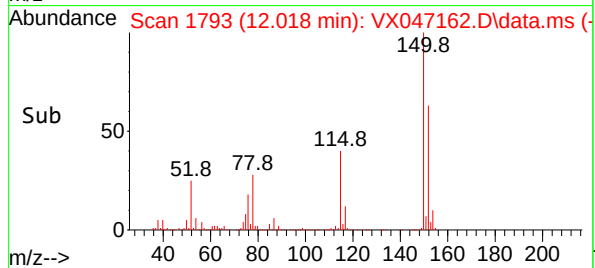
Tgt Ion:152 Resp: 258193

Ion Ratio Lower Upper

152 100

115 61.7 45.6 136.7

150 156.9 0.0 354.6



Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	07/23/25
Project:	NYPA	Date Received:	07/23/25
Client Sample ID:	NYPA-POUCH-SPENT-CARBONDL	SDG No.:	Q2681
Lab Sample ID:	Q2681-01DL	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047165.D	5	07/28/25 15:07	VX072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	25.0	UD	1.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	25.0	UD	1.20	25.0	ug/L
78-93-3	2-Butanone	130	UD	4.90	130	ug/L
56-23-5	Carbon Tetrachloride	25.0	UD	1.30	25.0	ug/L
67-66-3	Chloroform	25.0	UD	1.30	25.0	ug/L
71-43-2	Benzene	190	D	0.75	25.0	ug/L
107-06-2	1,2-Dichloroethane	25.0	UD	1.10	25.0	ug/L
79-01-6	Trichloroethene	25.0	UD	0.47	25.0	ug/L
127-18-4	Tetrachloroethene	25.0	UD	1.20	25.0	ug/L
108-90-7	Chlorobenzene	25.0	UD	0.60	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.8		74 - 125	90%	SPK: 50
1868-53-7	Dibromofluoromethane	45.6		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	43.5		86 - 113	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	323000	5.568			
540-36-3	1,4-Difluorobenzene	547000	6.769			
3114-55-4	Chlorobenzene-d5	497000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	253000	12.018			

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_X\Data\VX072825\
 Data File : VX047165.D
 Acq On : 28 Jul 2025 15:07
 Operator : JC/MD
 Sample : Q2681-01DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NYPA-POUCH-SPENT-CARBONDL

Quant Time: Jul 29 02:18:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

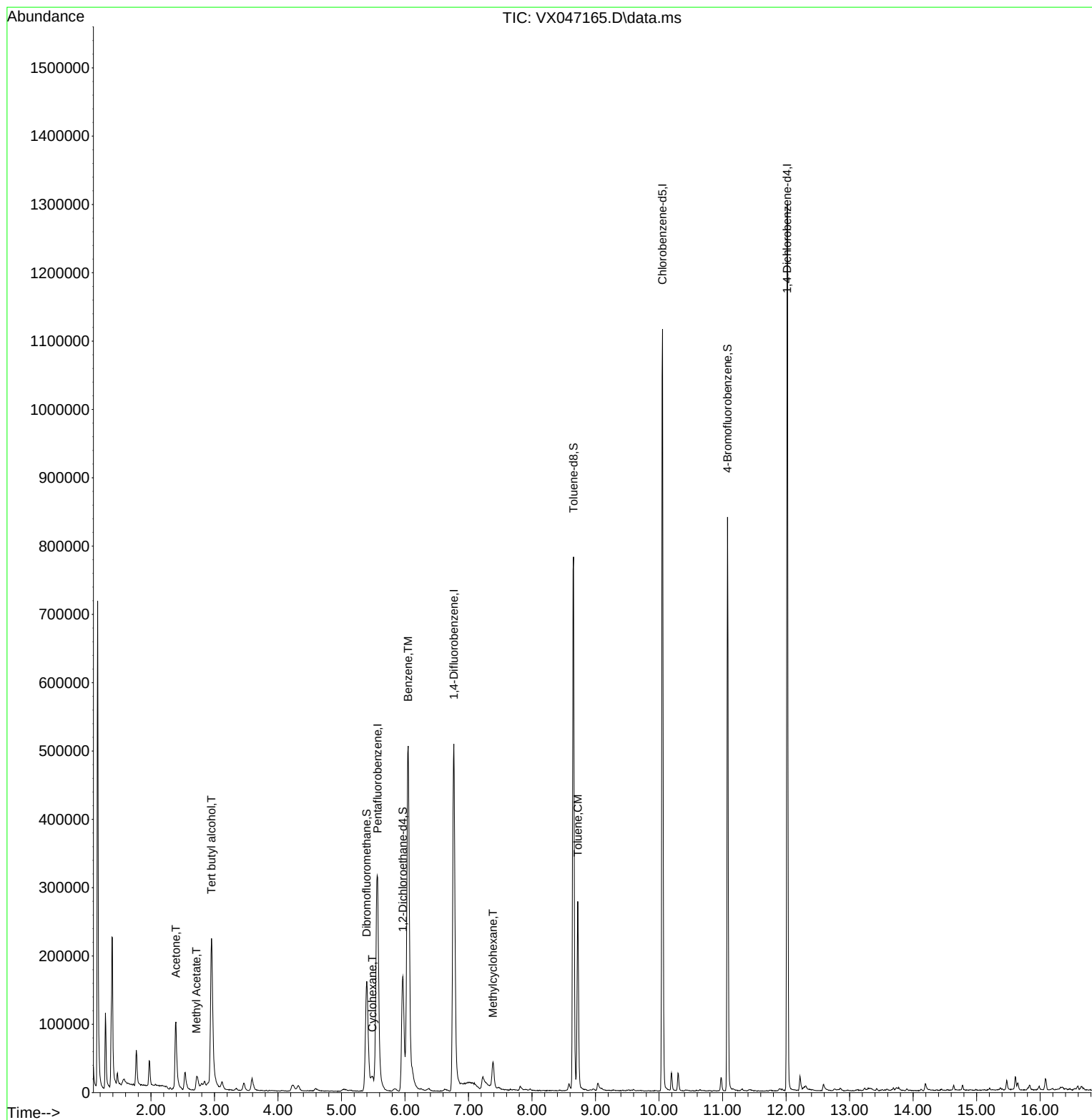
Internal Standards						
1) Pentafluorobenzene	5.568	168	322992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	546891	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	497406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	253109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	180413	44.840	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.680%		
35) Dibromofluoromethane	5.397	113	154136	45.647	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.300%		
50) Toluene-d8	8.653	98	476198	43.547	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.100%#		
62) 4-Bromofluorobenzene	11.079	95	225502	47.852	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.700%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	295392	644.263	ug/l	100
16) Acetone	2.392	43	145006	89.965	ug/l	97
18) Methyl Acetate	2.715	43	21774	5.083	ug/l #	81
31) Cyclohexane	5.483	56	13179	1.752	ug/l	94
39) Methylcyclohexane	7.385	83	17259	2.402	ug/l	100
40) Benzene	6.050	78	648253	38.917	ug/l	98
52) Toluene	8.720	92	107067	10.453	ug/l	99

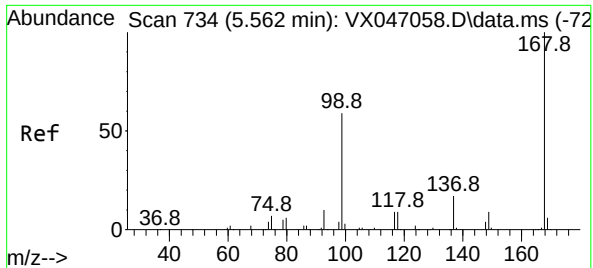
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
Data File : VX047165.D
Acq On : 28 Jul 2025 15:07
Operator : JC/MD
Sample : Q2681-01DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
NYPA-POUCH-SPENT-CARBONDL

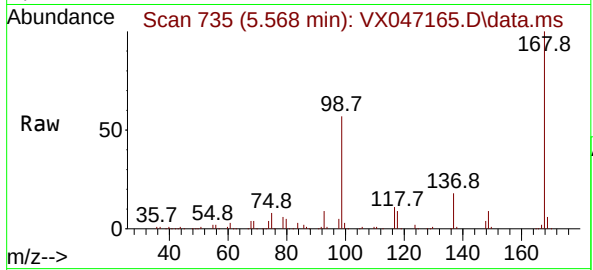
Quant Time: Jul 29 02:18:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



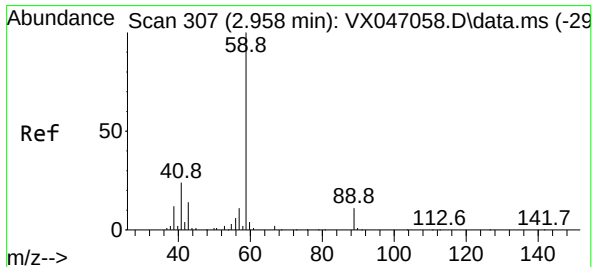
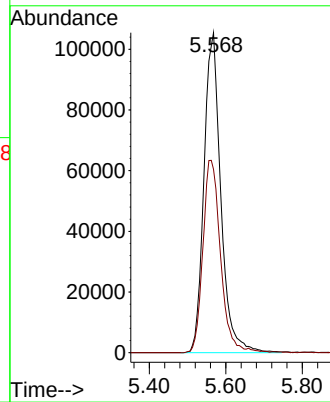
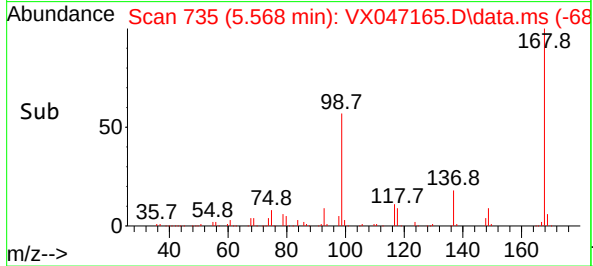


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047165.D
Acq: 28 Jul 2025 15:07

Instrument :
MSVOA_X
ClientSampleId :
NYPA-POUCH-SPENT-CARBONDL

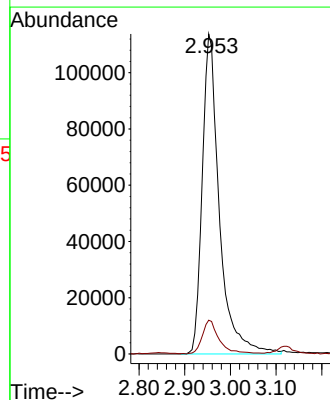
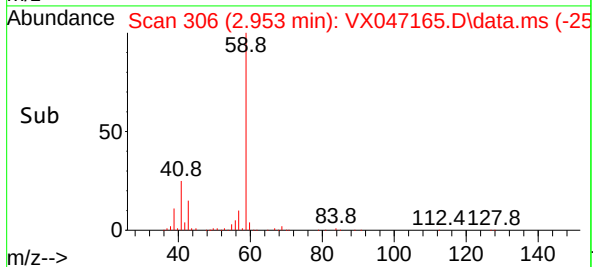
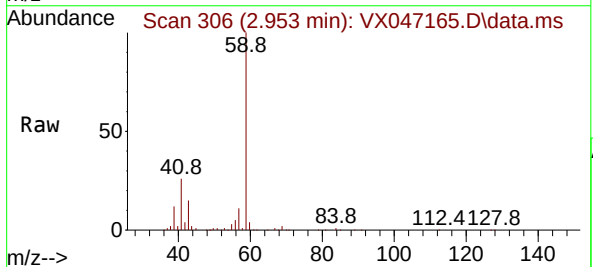


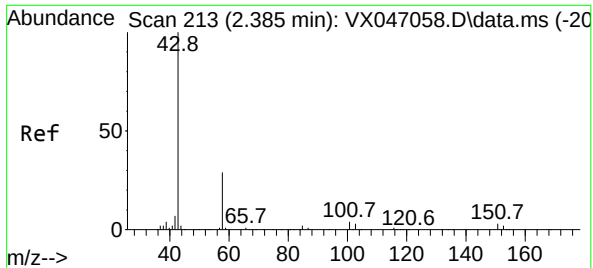
Tgt Ion:168 Resp: 322992
Ion Ratio Lower Upper
168 100
99 57.3 48.0 72.0



#11
Tert butyl alcohol
Concen: 644.263 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX047165.D
Acq: 28 Jul 2025 15:07

Tgt Ion: 59 Resp: 295392
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

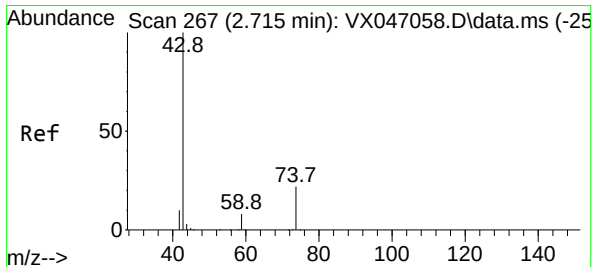
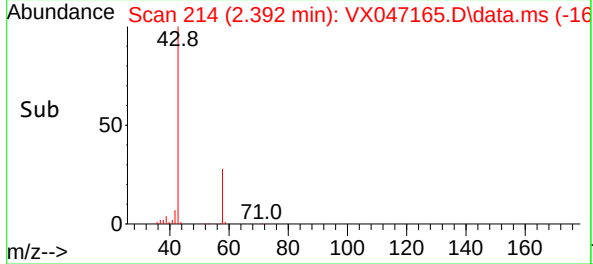
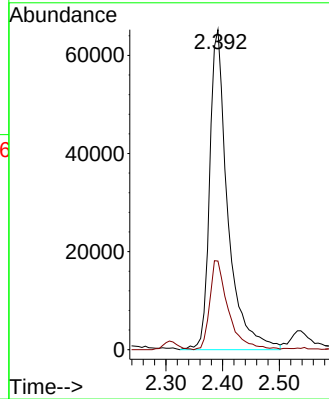
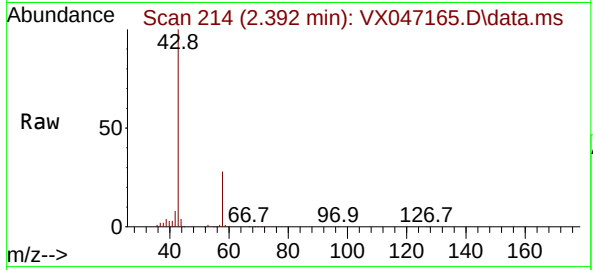




#16
Acetone
Concen: 89.965 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047165.D
Acq: 28 Jul 2025 15:07

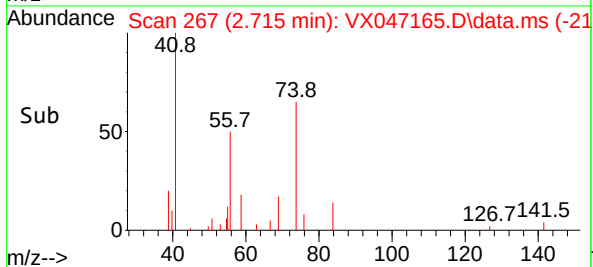
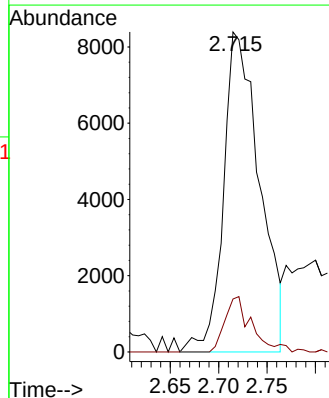
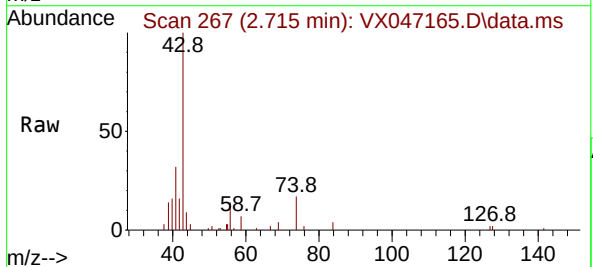
Instrument :
MSVOA_X
ClientSampleId :
NYPA-POUCH-SPENT-CARBONDL

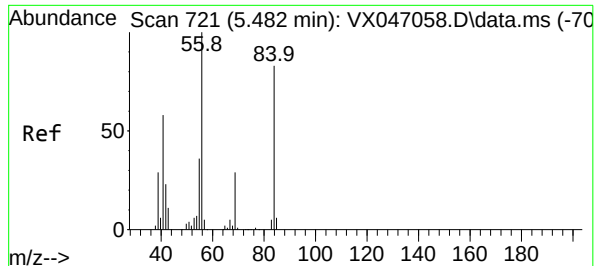
Tgt Ion: 43 Resp: 145006
Ion Ratio Lower Upper
43 100
58 28.5 24.0 36.0



#18
Methyl Acetate
Concen: 5.083 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047165.D
Acq: 28 Jul 2025 15:07

Tgt Ion: 43 Resp: 21774
Ion Ratio Lower Upper
43 100
74 12.9 17.7 26.5#





#31

Cyclohexane

Concen: 1.752 ug/l

RT: 5.483 min Scan# 721

Delta R.T. 0.000 min

Lab File: VX047165.D

Acq: 28 Jul 2025 15:07

Instrument :

MSVOA_X

ClientSampleId :

NYPA-POUCH-SPENT-CARBONDL

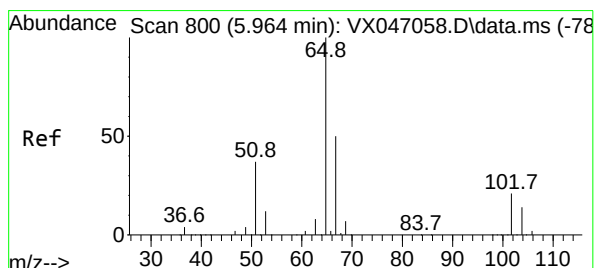
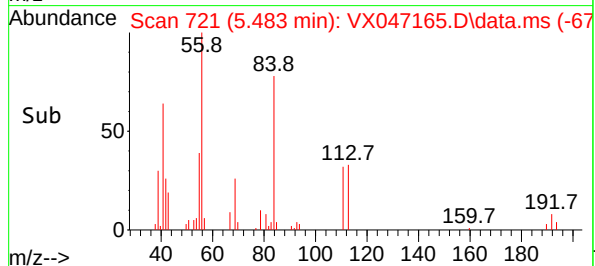
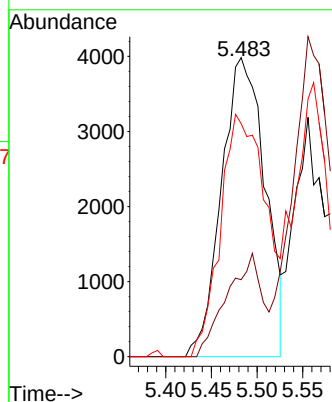
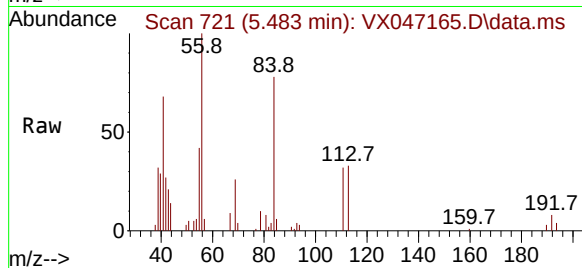
Tgt Ion: 56 Resp: 13179

Ion Ratio Lower Upper

56 100

69 25.8 23.3 34.9

84 77.9 66.5 99.7



#33

1,2-Dichloroethane-d4

Concen: 44.840 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047165.D

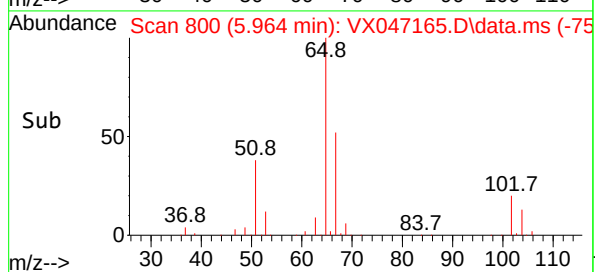
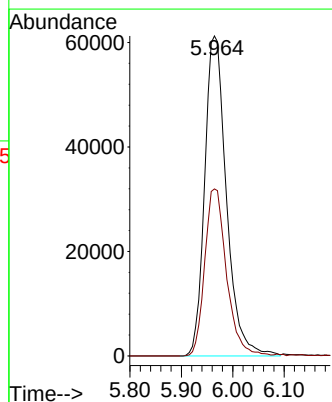
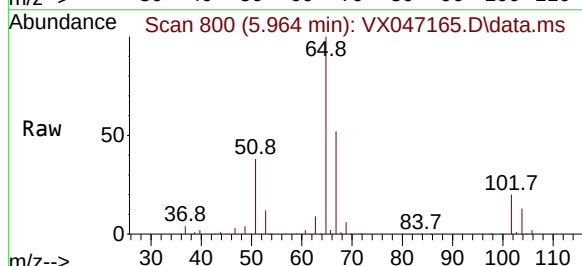
Acq: 28 Jul 2025 15:07

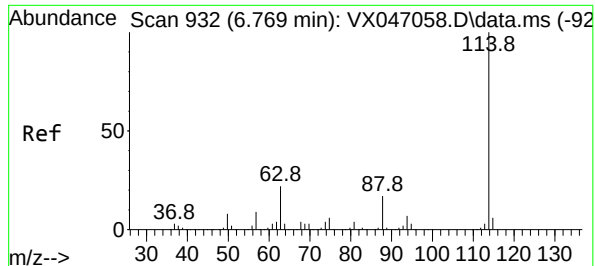
Tgt Ion: 65 Resp: 180413

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX047165.D

Acq: 28 Jul 2025 15:07

Instrument :

MSVOA_X

ClientSampleId :

NYPA-POUCH-SPENT-CARBONDL

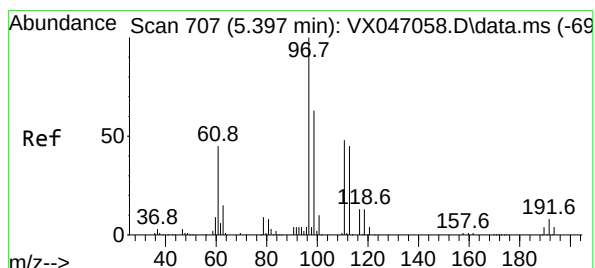
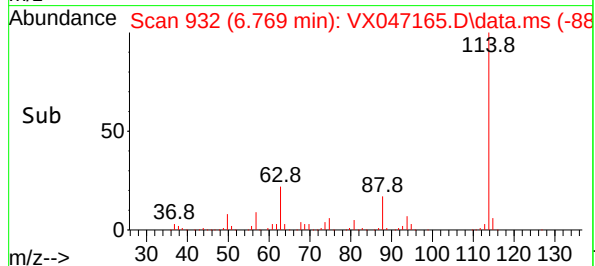
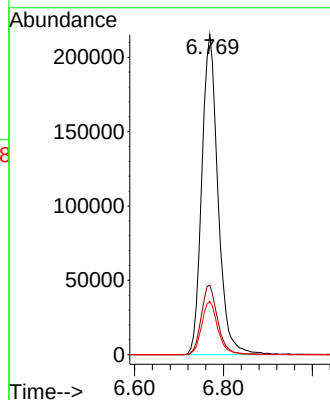
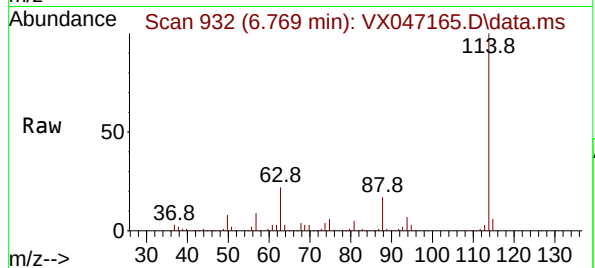
Tgt Ion:114 Resp: 546891

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

88 16.7 0.0 33.8



#35

Dibromofluoromethane

Concen: 45.647 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047165.D

Acq: 28 Jul 2025 15:07

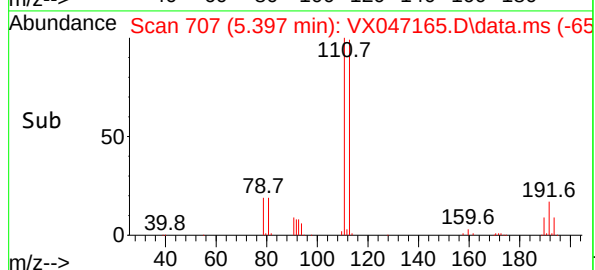
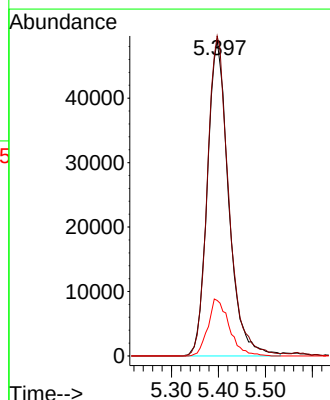
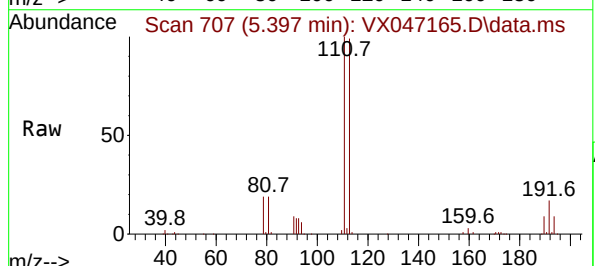
Tgt Ion:113 Resp: 154136

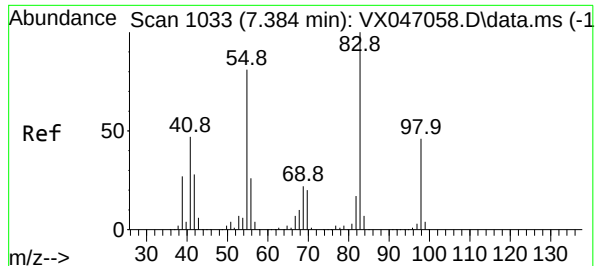
Ion Ratio Lower Upper

113 100

111 101.4 82.6 124.0

192 18.1 14.9 22.3





#39

Methylcyclohexane

Concen: 2.402 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX047165.D

Acq: 28 Jul 2025 15:07

Instrument :

MSVOA_X

ClientSampleId :

NYPA-POUCH-SPENT-CARBONDL

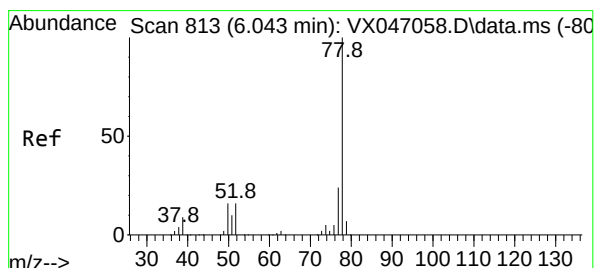
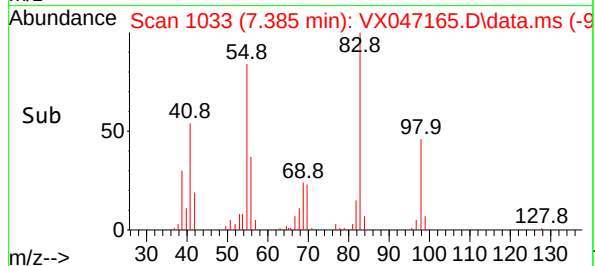
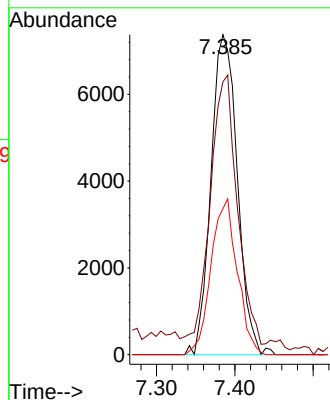
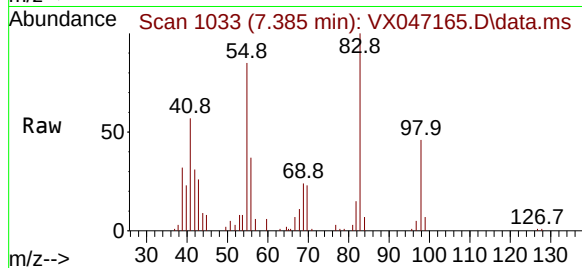
Tgt Ion: 83 Resp: 17259

Ion Ratio Lower Upper

83 100

55 80.6 64.5 96.7

98 45.6 36.9 55.3



#40

Benzene

Concen: 38.917 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.006 min

Lab File: VX047165.D

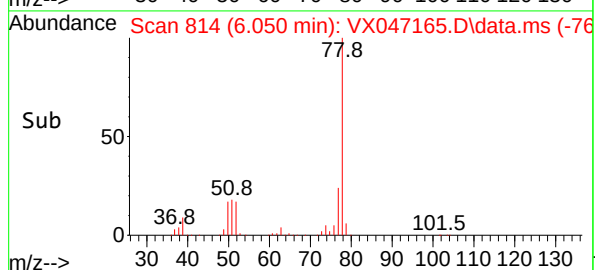
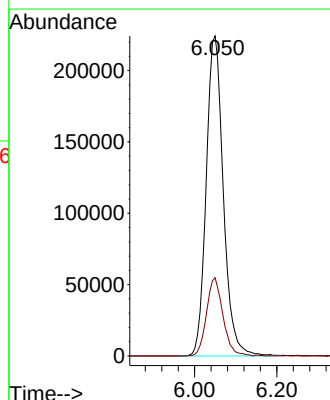
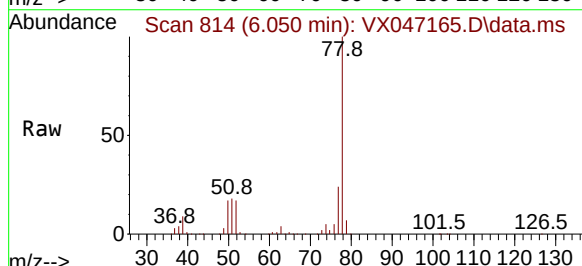
Acq: 28 Jul 2025 15:07

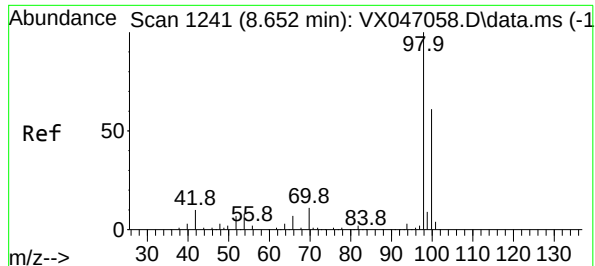
Tgt Ion: 78 Resp: 648253

Ion Ratio Lower Upper

78 100

77 24.5 19.0 28.4





#50

Toluene-d8

Concen: 43.547 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047165.D

Acq: 28 Jul 2025 15:07

Instrument :

MSVOA_X

ClientSampleId :

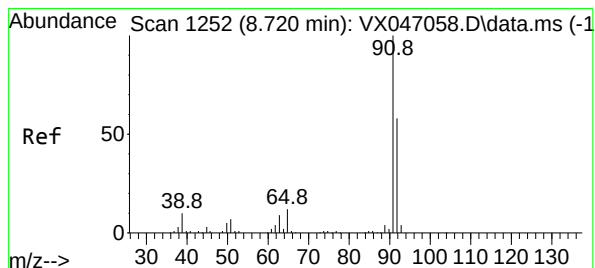
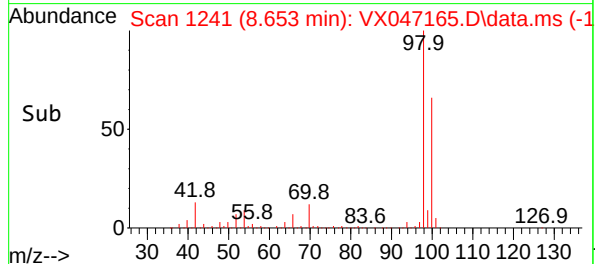
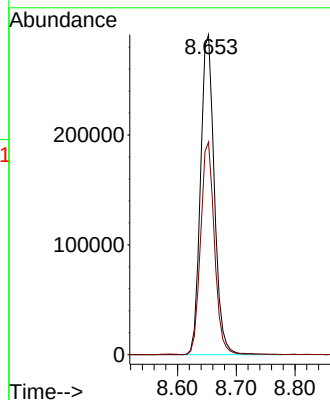
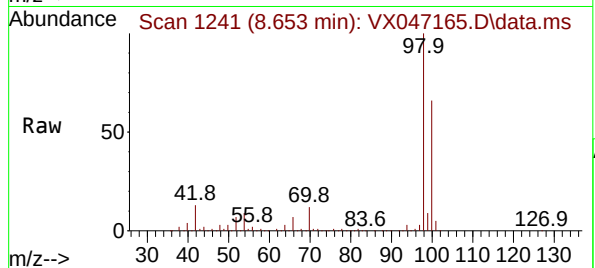
NYPA-POUCH-SPENT-CARBONDL

Tgt Ion: 98 Resp: 476198

Ion Ratio Lower Upper

98 100

100 66.4 53.3 79.9



#52

Toluene

Concen: 10.453 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX047165.D

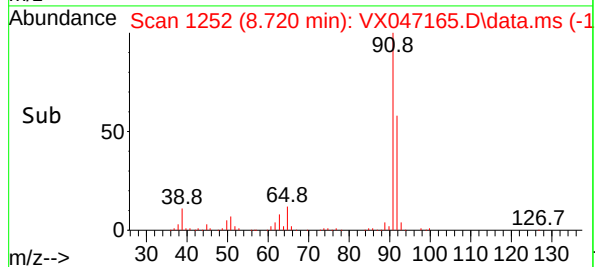
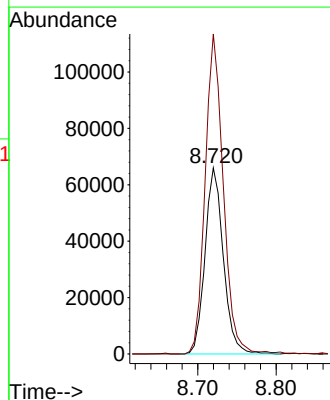
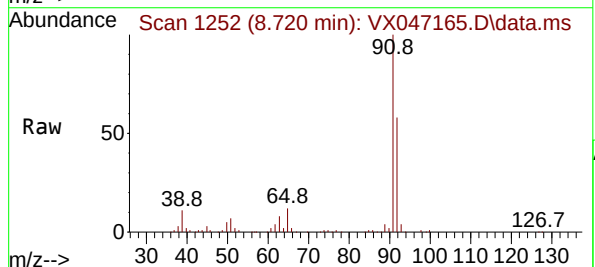
Acq: 28 Jul 2025 15:07

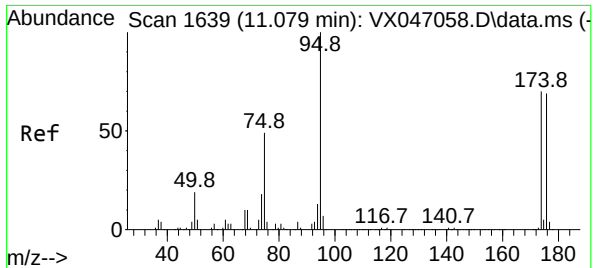
Tgt Ion: 92 Resp: 107067

Ion Ratio Lower Upper

92 100

91 170.4 137.9 206.9

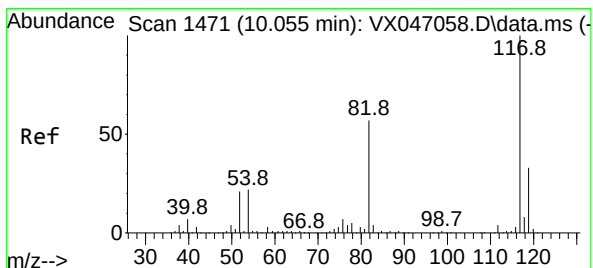
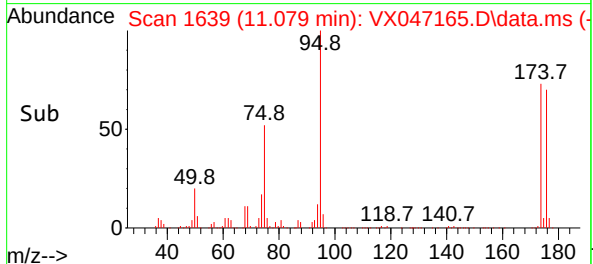
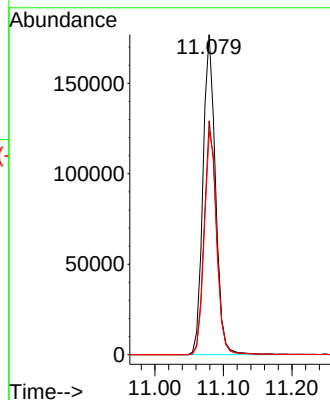
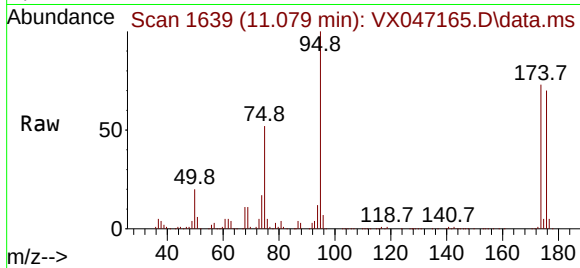




#62
4-Bromofluorobenzene
Concen: 47.852 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047165.D
Acq: 28 Jul 2025 15:07

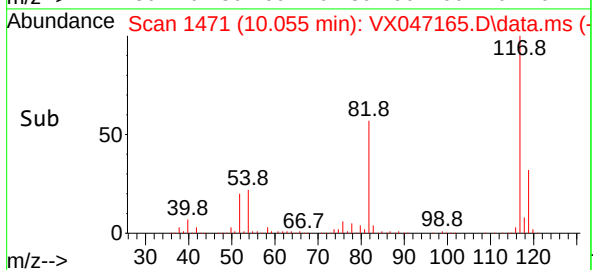
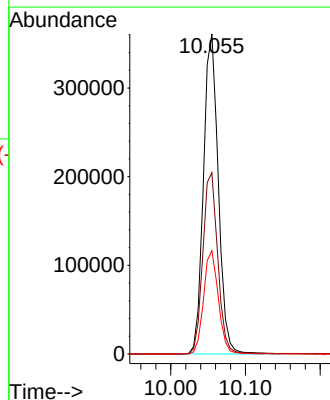
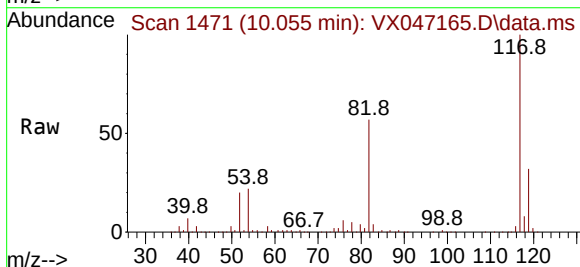
Instrument :
MSVOA_X
ClientSampleId :
NYPA-POUCH-SPENT-CARBONDL

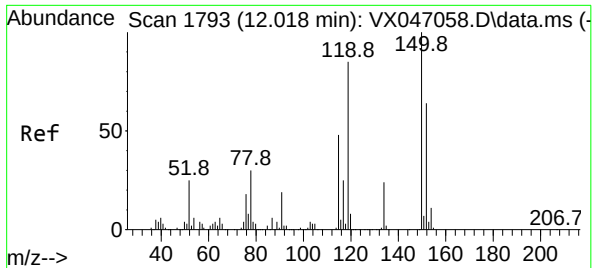
Tgt Ion: 95 Resp: 225502
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.6
176 69.3 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047165.D
Acq: 28 Jul 2025 15:07

Tgt Ion: 117 Resp: 497406
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.2
119 32.3 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047165.D

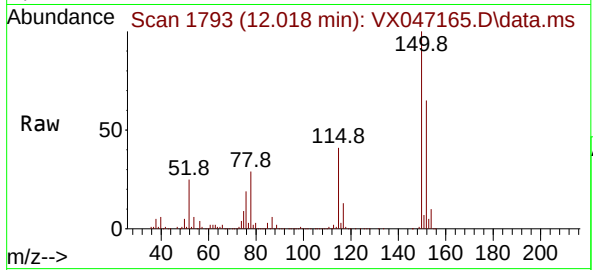
Acq: 28 Jul 2025 15:07

Instrument :

MSVOA_X

ClientSampleId :

NYPA-POUCH-SPENT-CARBONDL



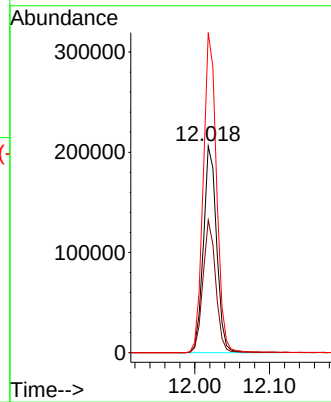
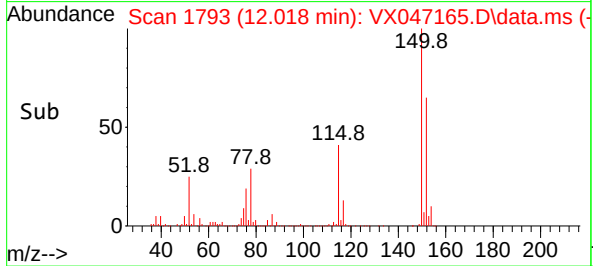
Tgt Ion:152 Resp: 253109

Ion Ratio Lower Upper

152 100

115 62.1 45.6 136.7

150 156.8 0.0 354.6





CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CORE02
 Lab Code: ACE SDG No.: Q2681
 Instrument ID: MSVOA_X Calibration Date(s): 07/21/2025 07/21/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:47 11:32
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX047055.D		RRF005 = VX047056.D		RRF020 = VX047057.D			
		RRF050 = VX047058.D		RRF100 = VX047059.D		RRF150 = VX047060.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Vinyl Chloride	0.578	0.739	0.700	0.780	0.716	0.723	0.706	9.7	
1,1-Dichloroethene	0.553	0.659	0.635	0.674	0.624	0.625	0.628	6.7	
2-Butanone	0.317	0.376	0.371	0.391	0.363	0.362	0.363	6.8	
Carbon Tetrachloride	0.526	0.612	0.566	0.595	0.531	0.540	0.562	6.4	
Chloroform	1.180	1.357	1.252	1.289	1.175	1.164	1.236	6.2	
Benzene	1.327	1.656	1.573	1.650	1.451	1.480	1.523	8.4	
1,2-Dichloroethane	0.468	0.587	0.558	0.576	0.512	0.517	0.536	8.5	
Trichloroethene	0.350	0.427	0.392	0.420	0.371	0.383	0.391	7.5	
Tetrachloroethene	0.322	0.403	0.381	0.376	0.337	0.344	0.360	8.6	
Chlorobenzene	1.029	1.295	1.225	1.231	1.114	1.135	1.171	8.2	
1,2-Dichloroethane-d4		0.768	0.511	0.575	0.611	0.649	0.623	15.4	
Dibromofluoromethane		0.355	0.262	0.296	0.302	0.328	0.309	11.3	
Toluene-d8		1.293	0.821	0.924	0.946	1.014	1.000	17.8	
4-Bromofluorobenzene		0.514	0.369	0.409	0.417	0.445	0.431	12.5	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X072125W.M
 Title : SW846 8260
 Last Update : Tue Jul 22 03:59:51 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX047055.D 5 =VX047056.D 20 =VX047057.D 50 =VX047058.D 100 =VX047059.D 150 =VX047060.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.516	0.640	0.610	0.768	0.721	0.729	0.664	14.06
3) P	Chloromethane	0.582	0.668	0.626	0.699	0.667	0.701	0.657	7.01
4) C	Vinyl Chloride	0.578	0.739	0.700	0.780	0.716	0.723	0.706	9.67#
5) T	Bromomethane		0.408	0.400	0.448	0.353	0.309	0.384	13.95
6) T	Chloroethane	0.547	0.482	0.436	0.470	0.423	0.424	0.464	10.27
7) T	Trichlorofluor...	0.853	1.123	1.058	1.158	1.054	1.071	1.053	10.08
8) T	Diethyl Ether	0.329	0.395	0.376	0.390	0.367	0.370	0.371	6.26
9) T	1,1,2-Trichlor...	0.558	0.671	0.646	0.675	0.627	0.631	0.634	6.70
10) T	Methyl Iodide		0.476	0.552	0.727	0.718	0.760	0.647	19.34
11) T	Tert butyl alc...		0.109	0.075	0.073	0.071	0.071	0.080	20.51
12) CM	1,1-Dichloroet...	0.553	0.659	0.635	0.674	0.624	0.625	0.628	6.66#
13) T	Acrolein		0.135	0.130	0.139	0.133	0.134	0.134	2.33
14) T	Allyl chloride	0.941	1.191	1.162	1.239	1.139	1.143	1.136	9.00
15) T	Acrylonitrile	0.208	0.321	0.317	0.329	0.305	0.302	0.297	15.15
16) T	Acetone	0.268	0.267	0.246	0.252	0.232	0.231	0.250	6.53
17) T	Carbon Disulfide	1.633	1.926	1.823	1.936	1.783	1.805	1.818	6.09
18) T	Methyl Acetate	0.657	0.686	0.636	0.688	0.651	0.662	0.663	3.05
19) T	Methyl tert-bu...	1.640	2.011	1.960	2.055	1.891	1.916	1.912	7.64
20) T	Methylene Chlo...	0.635	0.751	0.708	0.722	0.653	0.651	0.686	6.83
21) T	trans-1,2-Dich...	0.531	0.701	0.667	0.695	0.632	0.632	0.643	9.69
22) T	Diisopropyl ether	1.808	2.393	2.289	2.362	2.126	2.124	2.184	9.93
23) T	Vinyl Acetate	1.333	1.804	1.858	1.940	1.792	1.782	1.752	12.18
24) P	1,1-Dichloroet...	1.044	1.327	1.245	1.300	1.177	1.193	1.214	8.40
25) T	2-Butanone	0.317	0.376	0.371	0.391	0.363	0.362	0.363	6.85
26) T	2,2-Dichloropr...	0.874	1.011	0.928	0.979	0.912	0.937	0.940	5.20
27) T	cis-1,2-Dichlo...	0.670	0.832	0.777	0.807	0.739	0.744	0.761	7.56
28) T	Bromochloromet...	0.457	0.608	0.568	0.609	0.559	0.550	0.559	9.95
29) T	Tetrahydrofuran	0.182	0.250	0.244	0.256	0.238	0.236	0.234	11.35
30) C	Chloroform	1.180	1.357	1.252	1.289	1.175	1.164	1.236	6.22#
31) T	Cyclohexane		1.221	1.187	1.215	1.099	1.101	1.164	5.19
32) T	1,1,1-Trichlor...	0.961	1.156	1.101	1.127	1.041	1.057	1.074	6.49
33) S	1,2-Dichloroet...		0.768	0.511	0.575	0.611	0.649	0.623	15.42
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.355	0.262	0.296	0.302	0.328	0.309	11.30
36) T	1,1-Dichloropr...	0.576	0.527	0.528	0.547	0.484	0.495	0.526	6.34
37) T	Ethyl Acetate	0.496	0.537	0.438	0.511	0.462	0.466	0.485	7.48
38) T	Carbon Tetrach...	0.526	0.612	0.566	0.595	0.531	0.540	0.562	6.35
39) T	Methylcyclohexane	0.583	0.693	0.674	0.699	0.640	0.653	0.657	6.46
40) TM	Benzene	1.327	1.656	1.573	1.650	1.451	1.480	1.523	8.41
41) T	Methacrylonitrile	0.186	0.259	0.258	0.292	0.265	0.262	0.254	13.95
42) TM	1,2-Dichloroet...	0.468	0.587	0.558	0.576	0.512	0.517	0.536	8.46
43) T	Isopropyl Acetate	0.527	0.792	0.786	0.850	0.779	0.802	0.756	15.22
44) TM	Trichloroethene	0.350	0.427	0.392	0.420	0.371	0.383	0.391	7.51
45) C	1,2-Dichloropr...	0.334	0.419	0.393	0.408	0.363	0.371	0.381	8.25#
46) T	Dibromomethane	0.204	0.304	0.275	0.294	0.261	0.267	0.267	13.17
47) T	Bromodichlorom...	0.494	0.626	0.579	0.617	0.543	0.557	0.569	8.68
48) T	Methyl methacr...	0.418	0.400	0.397	0.440	0.404	0.413	0.412	3.83
49) T	1,4-Dioxane	0.003	0.005	0.005	0.005	0.005	0.005	0.005	17.78
50) S	Toluene-d8		1.293	0.821	0.924	0.946	1.014	1.000	17.79
51) T	4-Methyl-2-Pen...	0.371	0.477	0.470	0.497	0.440	0.440	0.449	9.81
52) CM	Toluene	0.762	1.047	0.987	1.017	0.896	0.910	0.936	11.12#
53) T	t-1,3-Dichloro...	0.429	0.549	0.546	0.592	0.548	0.562	0.538	10.42
54) T	cis-1,3-Dichlo...	0.442	0.611	0.618	0.653	0.593	0.614	0.588	12.62
55) T	1,1,2-Trichlor...	0.300	0.391	0.373	0.376	0.332	0.335	0.351	9.87
56) T	Ethyl methacry...	0.342	0.527	0.556	0.596	0.544	0.555	0.520	17.35

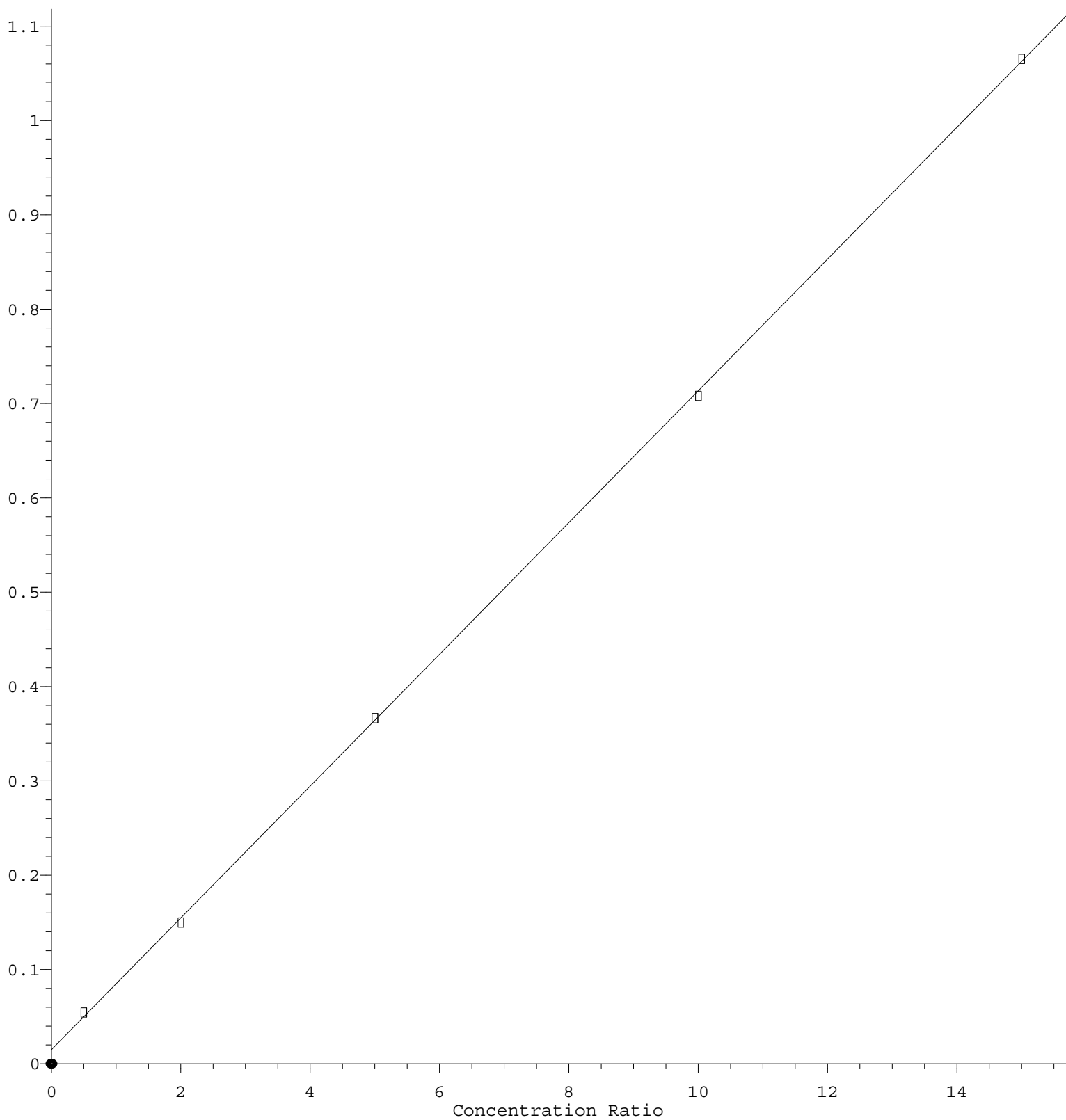
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X072125W.M

57)	T	1,3-Dichloropr...	0.530	0.687	0.639	0.653	0.576	0.577	0.610	9.62
58)	T	2-Chloroethyl ...	0.189	0.360	0.271	0.323	0.296	0.297	0.289	19.88
59)	T	2-Hexanone	0.192	0.312	0.324	0.343	0.305	0.304	0.297	17.93
60)	T	Dibromochlorom...	0.343	0.449	0.428	0.444	0.398	0.409	0.412	9.45
61)	T	1,2-Dibromoethane	0.334	0.398	0.377	0.395	0.349	0.351	0.367	7.28
62)	S	4-Bromofluorob...	0.514	0.369	0.409	0.417	0.445	0.431	12.53	
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.322	0.403	0.381	0.376	0.337	0.344	0.360	8.62
65)	PM	Chlorobenzene	1.029	1.295	1.225	1.231	1.114	1.135	1.171	8.24
66)	T	1,1,1,2-Tetrac...	0.354	0.415	0.404	0.419	0.381	0.392	0.394	6.20
67)	C	Ethyl Benzene	1.814	2.189	2.119	2.204	1.975	1.987	2.048	7.35#
68)	T	m/p-Xylenes	0.693	0.827	0.795	0.818	0.734	0.732	0.766	7.07
69)	T	o-Xylene	0.586	0.820	0.769	0.785	0.704	0.711	0.729	11.38
70)	T	Styrene	1.024	1.356	1.332	1.361	1.209	1.219	1.250	10.38
71)	P	Bromoform	0.257	0.323	0.302	0.325	0.292	0.299	0.300	8.23
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.180	4.148	4.146	4.309	3.907	3.979	3.945	10.16
74)	T	N-amyl acetate	1.260	1.501	1.617	1.784	1.658	1.729	1.592	11.89
75)	P	1,1,2,2-Tetrac...	0.979	1.203	1.182	1.210	1.085	1.103	1.127	7.93
76)	T	1,2,3-Trichlor...	0.753	1.027	0.956	0.991	0.904	0.923	0.925	10.32
77)	T	Bromobenzene	0.796	0.997	0.997	1.017	0.925	0.945	0.946	8.58
78)	T	n-propylbenzene	3.796	5.061	4.947	5.118	4.618	4.743	4.714	10.36
79)	T	2-Chlorotoluene	2.428	3.036	2.895	3.029	2.730	2.789	2.818	8.07
80)	T	1,3,5-Trimethy...	2.639	3.508	3.437	3.523	3.181	3.265	3.259	10.22
81)	T	trans-1,4-Dich...	0.301	0.331	0.391	0.375	0.398	0.359	11.62	
82)	T	4-Chlorotoluene	2.721	3.585	3.445	3.569	3.183	3.232	3.289	9.88
83)	T	tert-Butylbenzene	2.745	3.433	3.364	3.586	3.198	3.299	3.271	8.83
84)	T	1,2,4-Trimethy...	2.502	3.544	3.415	3.577	3.197	3.269	3.251	12.17
85)	T	sec-Butylbenzene	3.328	4.476	4.269	4.398	3.993	4.056	4.087	10.19
86)	T	p-Isopropyltol...	2.626	3.699	3.570	3.704	3.334	3.402	3.389	11.90
87)	T	1,3-Dichlorobe...	1.562	1.968	1.869	1.908	1.704	1.776	1.798	8.30
88)	T	1,4-Dichlorobe...	1.659	1.982	1.903	1.893	1.723	1.767	1.821	6.79
89)	T	n-Butylbenzene	2.645	3.317	3.324	3.456	3.141	3.187	3.178	8.94
90)	T	Hexachloroethane	0.519	0.601	0.603	0.655	0.619	0.640	0.606	7.84
91)	T	1,2-Dichlorobe...	1.533	1.873	1.764	1.824	1.625	1.691	1.718	7.40
92)	T	1,2-Dibromo-3-...	0.140	0.223	0.223	0.239	0.231	0.242	0.216	17.61
93)	T	1,2,4-Trichlor...	0.919	1.189	1.159	1.224	1.144	1.176	1.135	9.64
94)	T	Hexachlorobuta...	0.334	0.396	0.407	0.406	0.392	0.382	0.386	6.99
95)	T	Naphthalene	2.369	3.231	3.425	3.753	3.499	3.691	3.328	15.20
96)	T	1,2,3-Trichlor...	0.925	1.120	1.117	1.172	1.102	1.126	1.094	7.87

(#) = Out of Range

Tert butyl alcohol

Response Ratio



$$\text{Response} = 6.981\text{e-}002 * \text{Amt} + 1.498\text{e-}002$$

Coef of Det (r^2) = 0.999878 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X072125W.M

Calibration Table Last Updated: Tue Jul 22 03:59:51 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047055.D
 Acq On : 21 Jul 2025 09:47
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:35:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	337975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	582229	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	522701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	266871	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	3490	0.777	ug/l	87
3) Chloromethane	1.307	50	3931	0.885	ug/l #	86
4) Vinyl Chloride	1.392	62	3909	0.819	ug/l	94
6) Chloroethane	1.709	64	3698	1.180	ug/l	95
7) Trichlorofluoromethane	1.910	101	5767	0.810	ug/l	91
8) Diethyl Ether	2.154	74	2227	0.887	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.349	101	3769	0.879	ug/l	98
12) 1,1-Dichloroethene	2.343	96	3739	0.880	ug/l	94
14) Allyl chloride	2.684	41	6361	0.829	ug/l	86
15) Acrylonitrile	3.087	53	7013	3.493	ug/l	86
16) Acetone	2.392	43	9071	5.378	ug/l #	88
17) Carbon Disulfide	2.532	76	11039	0.898	ug/l #	91
18) Methyl Acetate	2.715	43	4440	0.991	ug/l #	68
19) Methyl tert-butyl Ether	3.130	73	11087	0.858	ug/l	98
20) Methylene Chloride	2.800	84	4289	0.924	ug/l #	91
21) trans-1,2-Dichloroethene	3.111	96	3590	0.826	ug/l #	92
22) Diisopropyl ether	3.776	45	12222	0.828	ug/l	92
23) Vinyl Acetate	3.739	43	45048	3.805	ug/l	100
24) 1,1-Dichloroethane	3.629	63	7054	0.859	ug/l #	94
25) 2-Butanone	4.617	43	10725	4.367	ug/l	99
26) 2,2-Dichloropropane	4.495	77	5905	0.929	ug/l	88
27) cis-1,2-Dichloroethene	4.501	96	4527	0.880	ug/l	84
28) Bromochloromethane	4.916	49	3092	0.819	ug/l #	98
29) Tetrahydrofuran	5.032	42	6164	3.890	ug/l #	87
30) Chloroform	5.111	83	7976	0.955	ug/l	86
32) 1,1,1-Trichloroethane	5.397	97	6496	0.895	ug/l #	51
36) 1,1-Dichloropropene	5.708	75	6705	1.094	ug/l #	87
37) Ethyl Acetate	4.751	43	5770m	1.068	ug/l	
38) Carbon Tetrachloride	5.696	117	6120	0.936	ug/l	96
39) Methylcyclohexane	7.379	83	6794	0.888	ug/l	90
40) Benzene	6.050	78	15450	0.871	ug/l	91
41) Methacrylonitrile	4.971	41	2166	0.734	ug/l #	74
42) 1,2-Dichloroethane	6.105	62	5449	0.872	ug/l	98
43) Isopropyl Acetate	6.367	43	6134	0.697	ug/l #	94
44) Trichloroethene	7.147	130	4075	0.896	ug/l	62
45) 1,2-Dichloropropane	7.440	63	3895	0.877	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047055.D
 Acq On : 21 Jul 2025 09:47
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:35:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	2372	0.762	ug/l	88
47) Bromodichloromethane	7.830	83	5749	0.867	ug/l #	87
48) Methyl methacrylate	7.714	41	4863m	1.014	ug/l	
49) 1,4-Dioxane	7.684	88	700m	12.834	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	21616	4.131	ug/l	95
52) Toluene	8.726	92	8872	0.814	ug/l	96
53) t-1,3-Dichloropropene	8.994	75	4993	0.798	ug/l	93
54) cis-1,3-Dichloropropene	8.379	75	5149	0.751	ug/l #	73
55) 1,1,2-Trichloroethane	9.153	97	3490	0.853	ug/l #	88
56) Ethyl methacrylate	9.128	69	3978	0.657	ug/l	91
57) 1,3-Dichloropropane	9.311	76	6170	0.868	ug/l #	88
58) 2-Chloroethyl Vinyl ether	8.251	63	11010	3.268	ug/l	98
59) 2-Hexanone	9.439	43	11200	3.240	ug/l	87
60) Dibromochloromethane	9.525	129	3998	0.834	ug/l	91
61) 1,2-Dibromoethane	9.616	107	3885	0.909	ug/l	98
64) Tetrachloroethene	9.275	164	3363	0.892	ug/l #	90
65) Chlorobenzene	10.080	112	10754	0.878	ug/l #	80
66) 1,1,1,2-Tetrachloroethane	10.165	131	3699	0.897	ug/l #	64
67) Ethyl Benzene	10.195	91	18959	0.886	ug/l	100
68) m/p-Xylenes	10.299	106	14496	1.809	ug/l	94
69) o-Xylene	10.640	106	6125	0.804	ug/l	91
70) Styrene	10.659	104	10704	0.819	ug/l	93
71) Bromoform	10.799	173	2687	0.858	ug/l #	97
73) Isopropylbenzene	10.964	105	16971	0.806	ug/l	100
74) N-amyl acetate	10.848	43	6726m	0.801	ug/l	
75) 1,1,2,2-Tetrachloroethane	11.213	83	5223	0.868	ug/l	96
76) 1,2,3-Trichloropropane	11.244	75	4019m	0.814	ug/l	
77) Bromobenzene	11.201	156	4251	0.842	ug/l	94
78) n-propylbenzene	11.305	91	20259	0.805	ug/l	99
79) 2-Chlorotoluene	11.366	91	12959	0.862	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	14083	0.810	ug/l	98
82) 4-Chlorotoluene	11.457	91	14521	0.827	ug/l	97
83) tert-Butylbenzene	11.713	119	14652	0.839	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	13354	0.770	ug/l	98
85) sec-Butylbenzene	11.890	105	17765	0.814	ug/l	95
86) p-Isopropyltoluene	12.006	119	14016	0.775	ug/l	89
87) 1,3-Dichlorobenzene	11.969	146	8335	0.869	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	8857m	0.911	ug/l	
89) n-Butylbenzene	12.329	91	14116	0.832	ug/l	95
90) Hexachloroethane	12.536	117	2772	0.857	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	8184	0.892	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	749	0.649	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	4906	0.810	ug/l	98
94) Hexachlorobutadiene	13.725	225	1785	0.866	ug/l	98
95) Naphthalene	13.780	128	12647	0.712	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	4936	0.846	ug/l	95

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

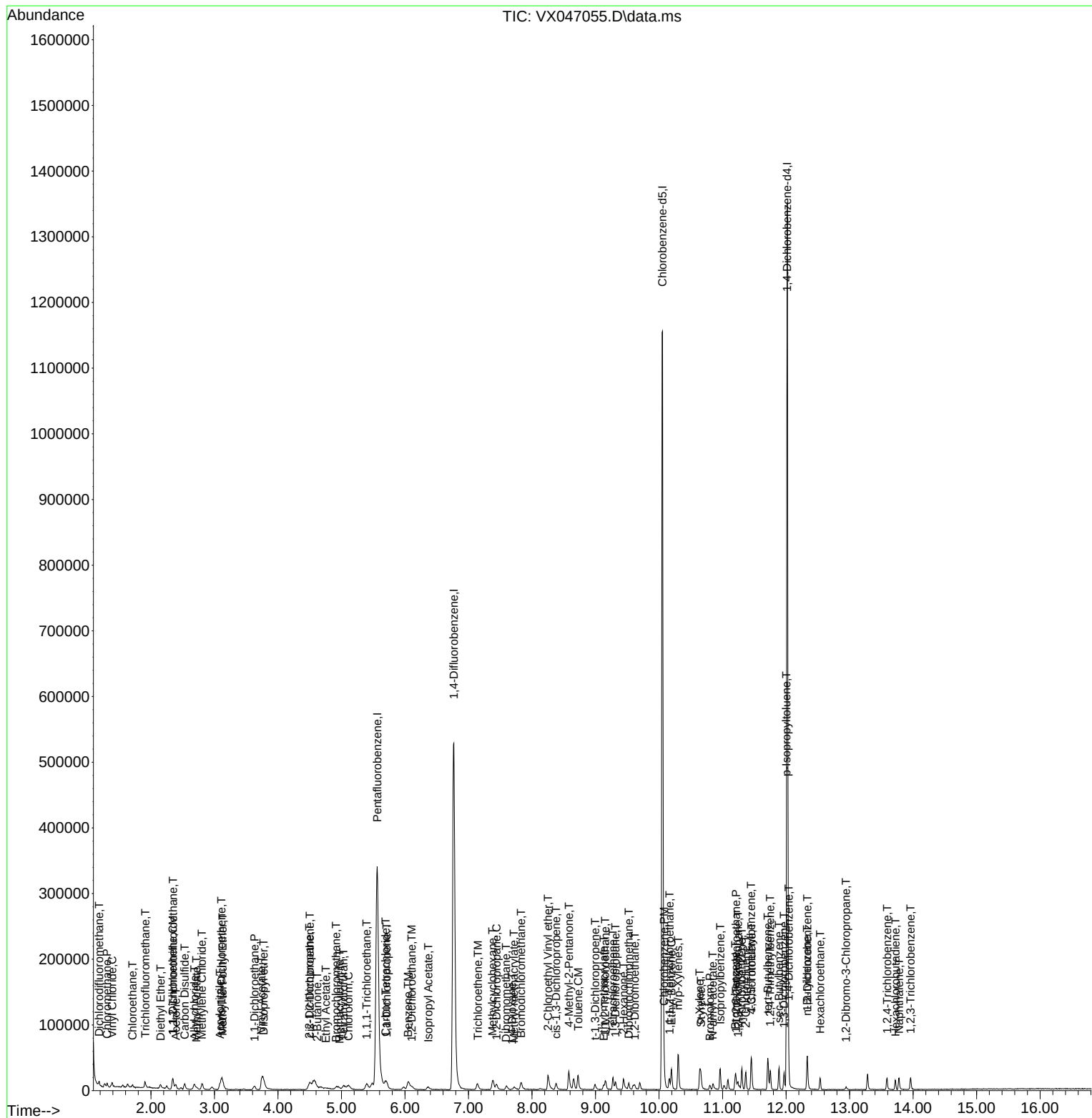
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Data File : VX047055.D
Acq On : 21 Jul 2025 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

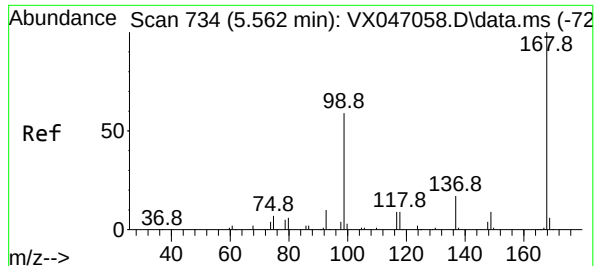
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration





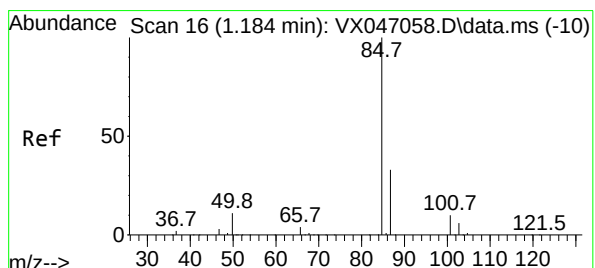
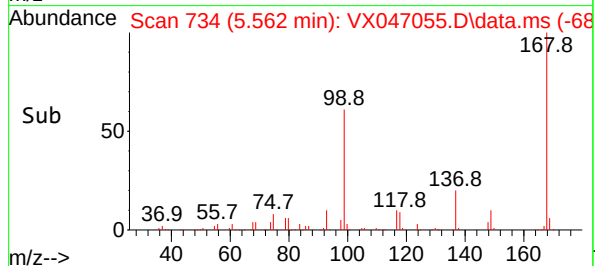
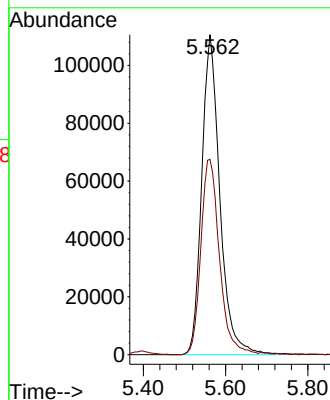
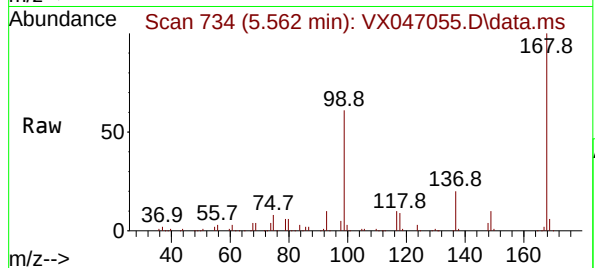
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:168 Resp: 337975
Ion Ratio Lower Upper
168 100
99 61.0 48.0 72.0

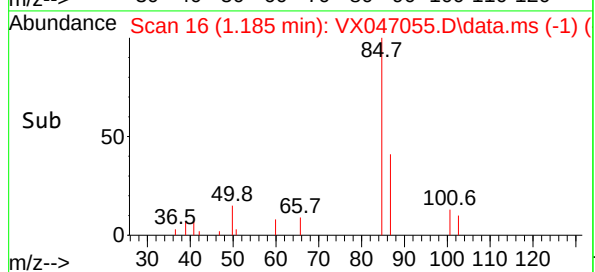
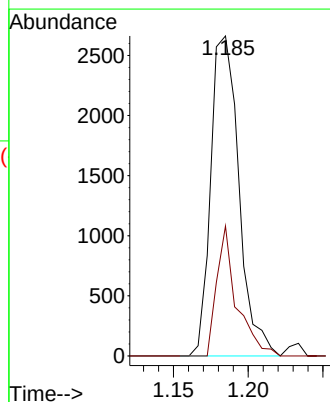
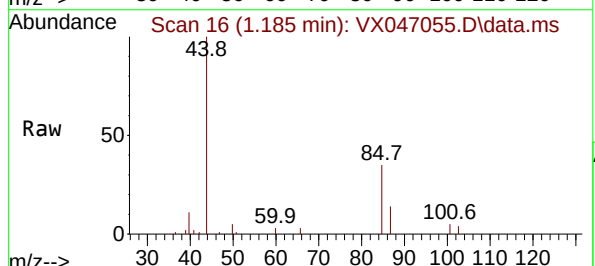
Manual Integrations
APPROVED

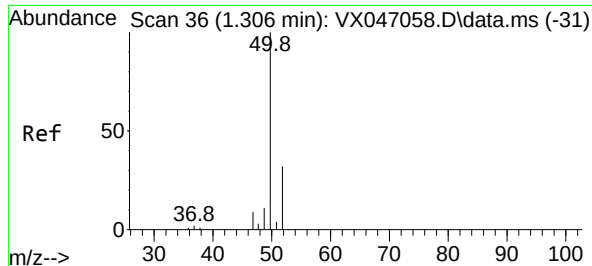
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#2
Dichlorodifluoromethane
Concen: 0.777 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

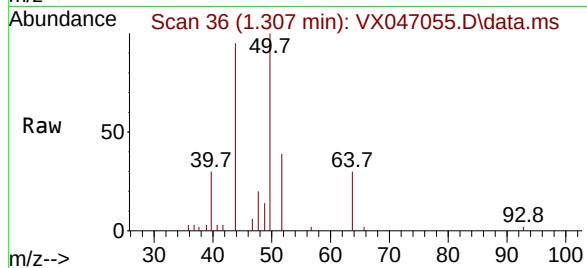
Tgt Ion: 85 Resp: 3490
Ion Ratio Lower Upper
85 100
87 40.6 16.6 49.8





#3
Chloromethane
Concen: 0.885 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

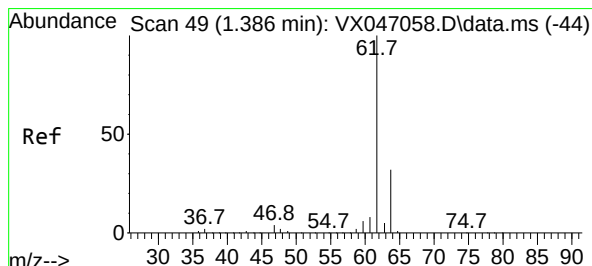
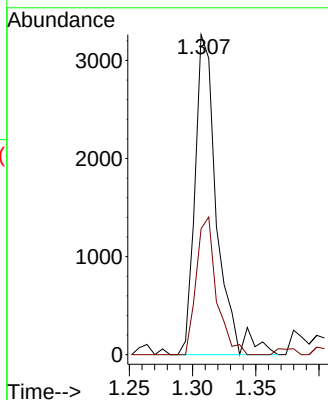
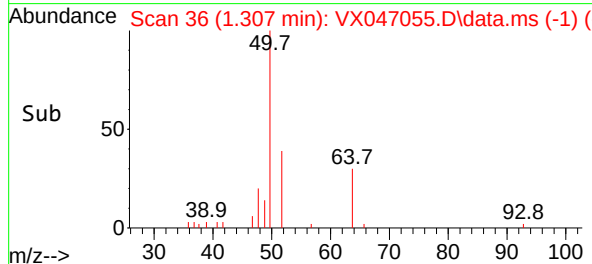
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 50 Resp: 393
Ion Ratio Lower Upper
50 100
52 39.4 25.4 38.2

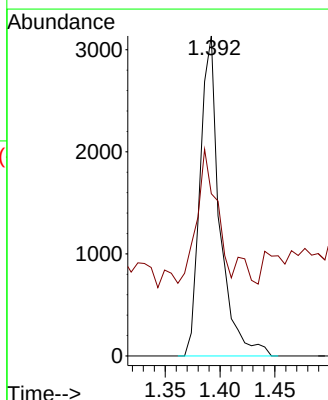
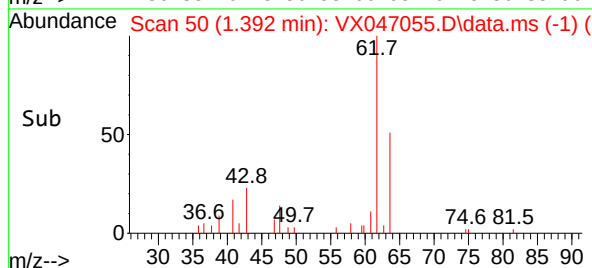
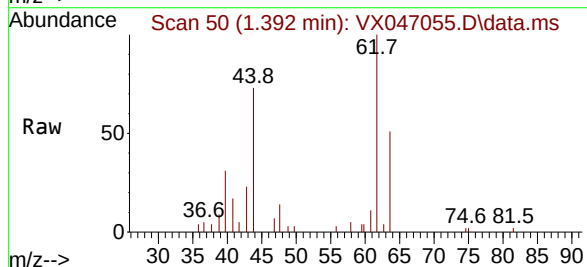
Manual Integrations
APPROVED

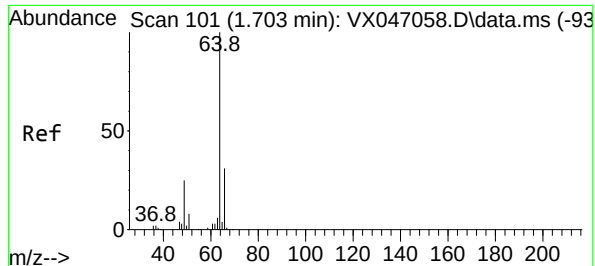
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#4
Vinyl Chloride
Concen: 0.819 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

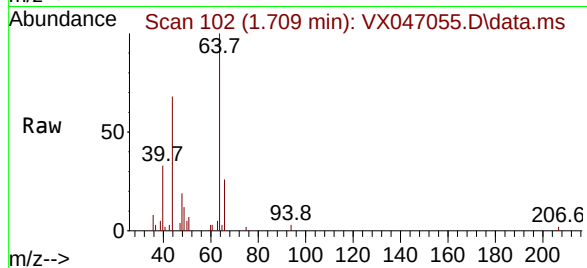
Tgt Ion: 62 Resp: 3909
Ion Ratio Lower Upper
62 100
64 28.0 25.2 37.8





#6
Chloroethane
Concen: 1.180 ug/l
RT: 1.709 min Scan# 101
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

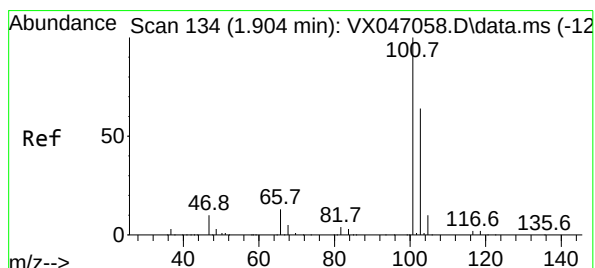
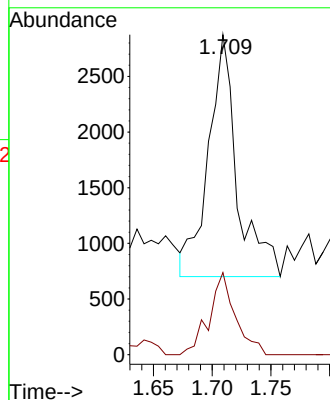
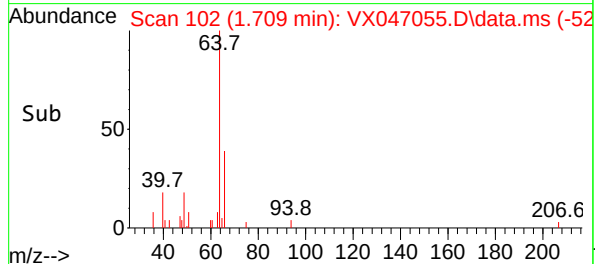
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 64 Resp: 3698
Ion Ratio Lower Upper
64 100
66 34.0 25.0 37.6

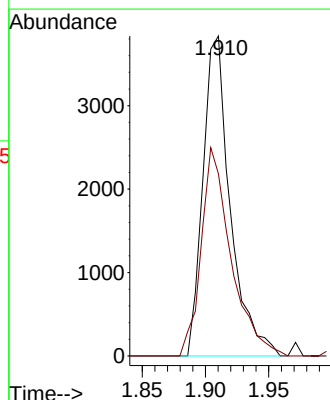
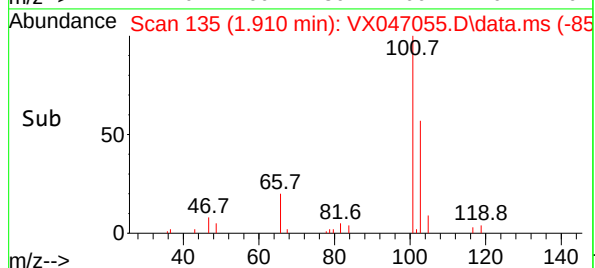
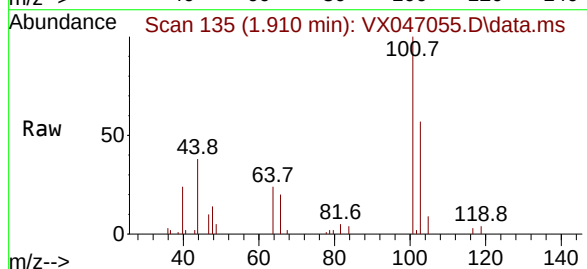
Manual Integrations
APPROVED

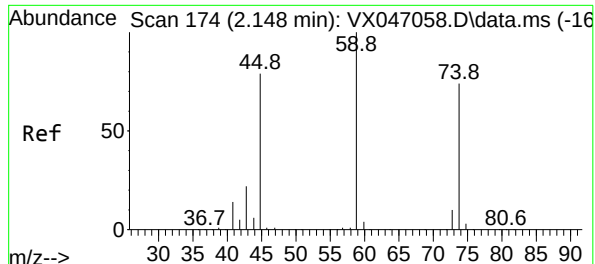
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#7
Trichlorofluoromethane
Concen: 0.810 ug/l
RT: 1.910 min Scan# 135
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

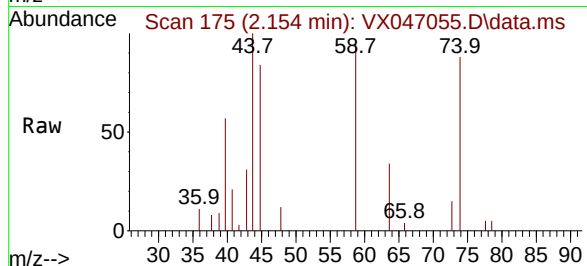
Tgt Ion:101 Resp: 5767
Ion Ratio Lower Upper
101 100
103 56.9 50.9 76.3





#8
Diethyl Ether
Concen: 0.887 ug/l
RT: 2.154 min Scan# 175
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

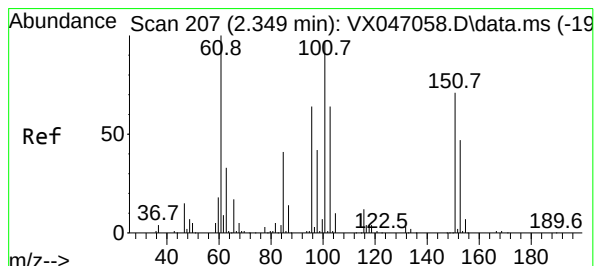
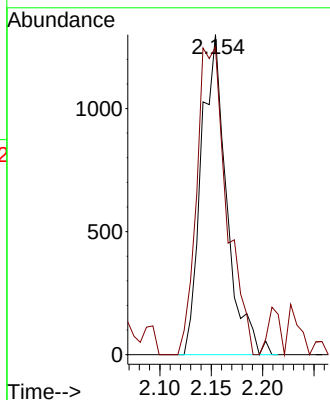
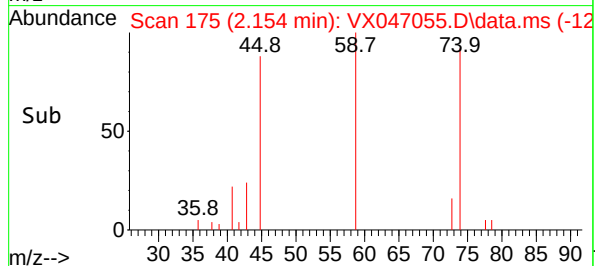
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 74 Resp: 222
Ion Ratio Lower Upper
74 100
45 113.7 53.0 159.0

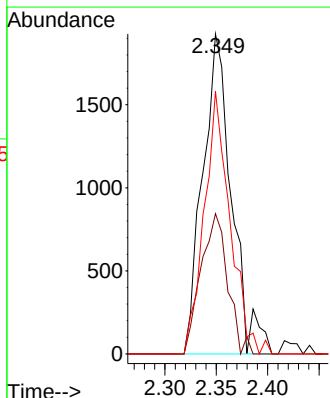
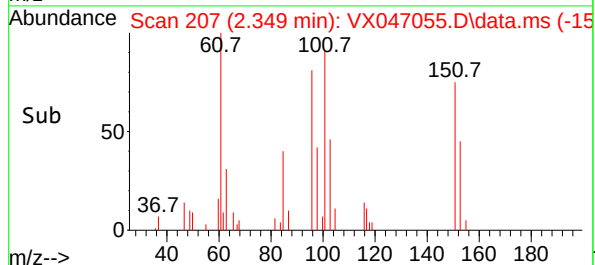
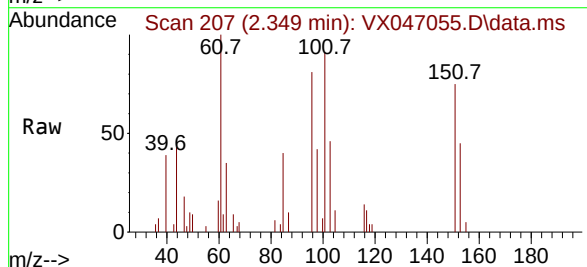
Manual Integrations
APPROVED

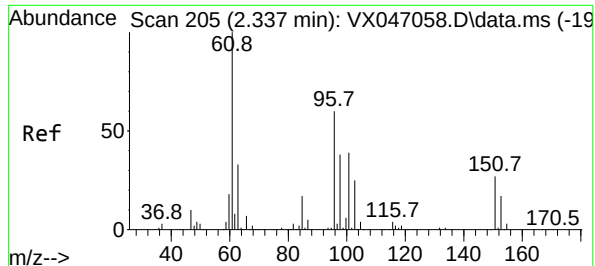
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.879 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:101 Resp: 3769
Ion Ratio Lower Upper
101 100
85 40.5 35.4 53.0
151 73.5 59.2 88.8





#12

1,1-Dichloroethene

Concen: 0.880 ug/l

RT: 2.343 min Scan# 205

Delta R.T. 0.007 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 3739

Ion Ratio Lower Upper

96 100

61 159.0 132.6 198.8

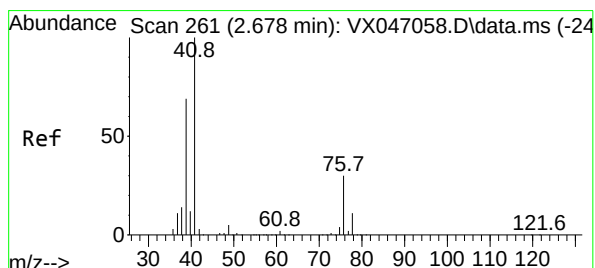
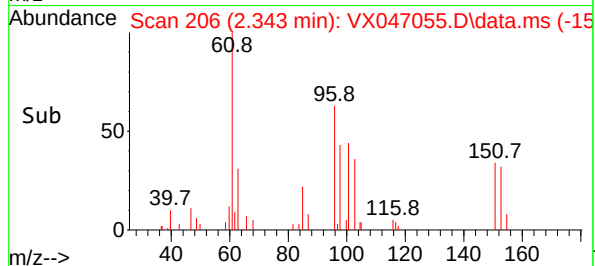
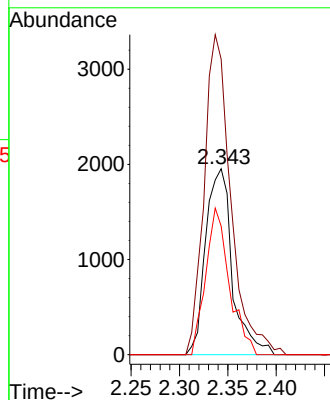
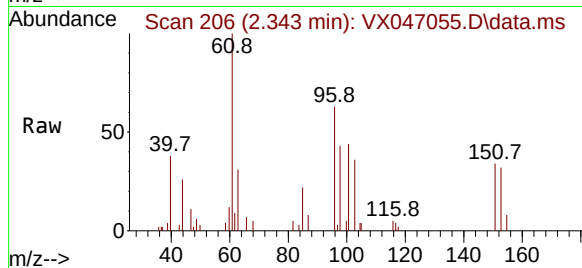
98 69.1 50.2 75.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#14

Allyl chloride

Concen: 0.829 ug/l

RT: 2.684 min Scan# 262

Delta R.T. 0.007 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

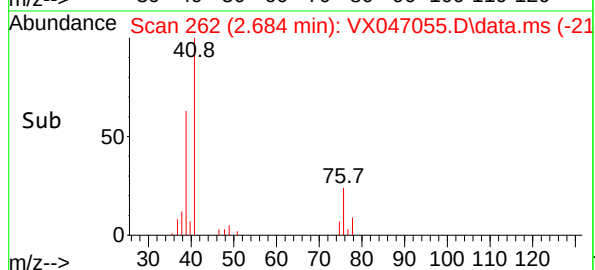
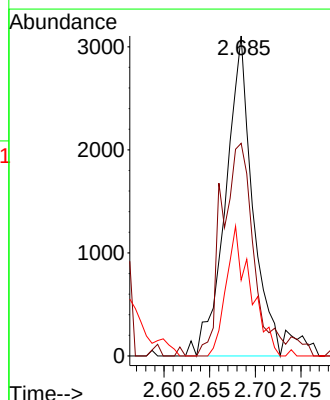
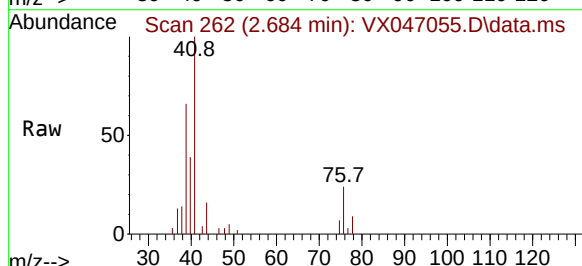
Tgt Ion: 41 Resp: 6361

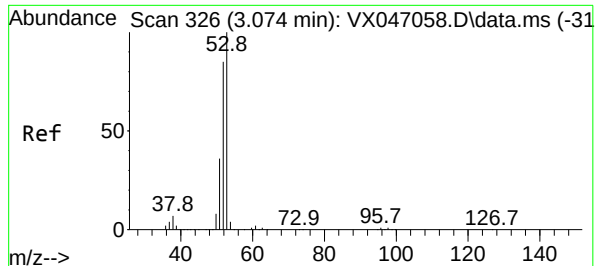
Ion Ratio Lower Upper

41 100

39 78.3 52.6 78.8

76 37.1 25.7 38.5





#15

Acrylonitrile

Concen: 3.493 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.013 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

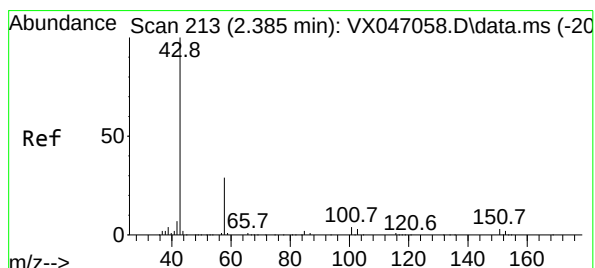
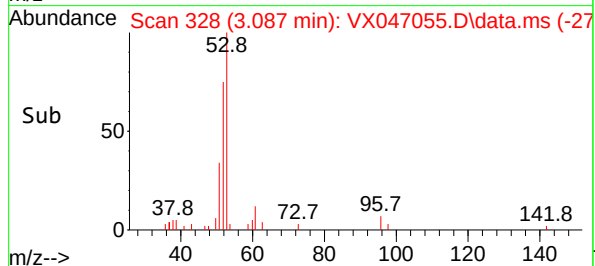
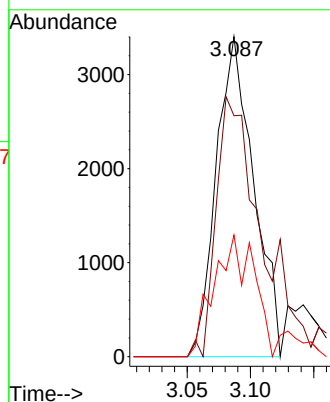
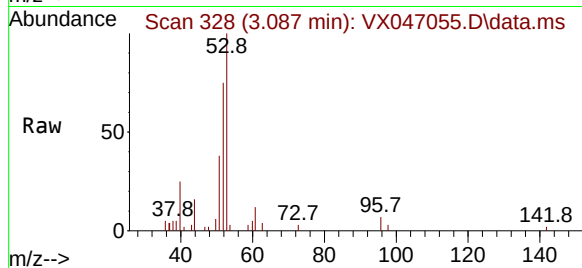
Tgt Ion:	53	Resp:	701
Ion	Ratio	Lower	Upper
53	100		
52	96.5	65.7	98.5
51	40.6	28.8	43.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#16

Acetone

Concen: 5.378 ug/l

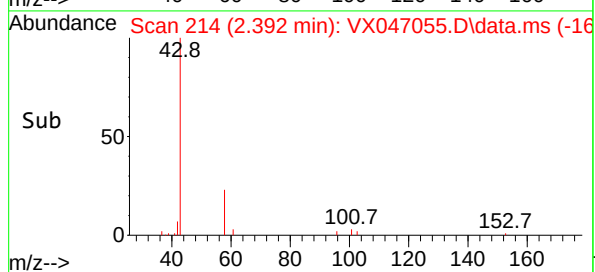
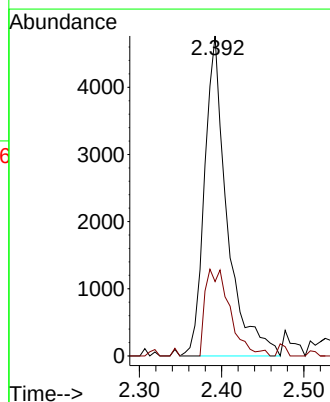
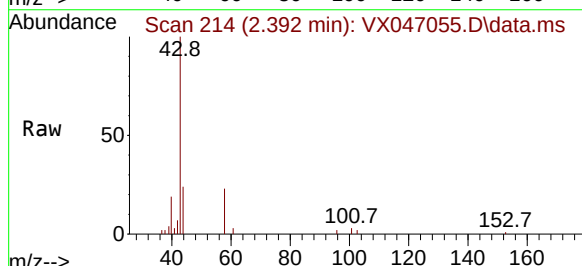
RT: 2.392 min Scan# 214

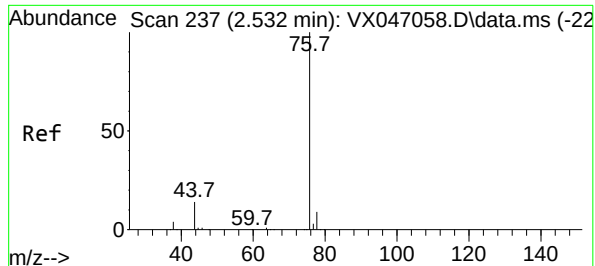
Delta R.T. 0.007 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Tgt Ion:	43	Resp:	9071
Ion	Ratio	Lower	Upper
43	100		
58	23.3	24.0	36.0#





#17

Carbon Disulfide

Concen: 0.898 ug/l

RT: 2.532 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 11039

Ion Ratio Lower Upper

76 100

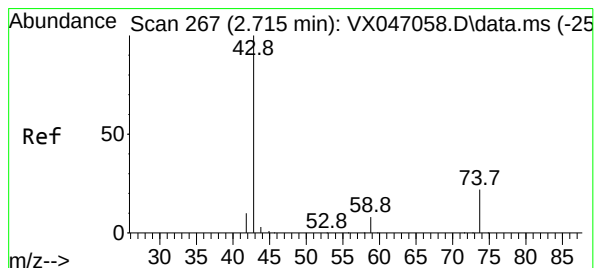
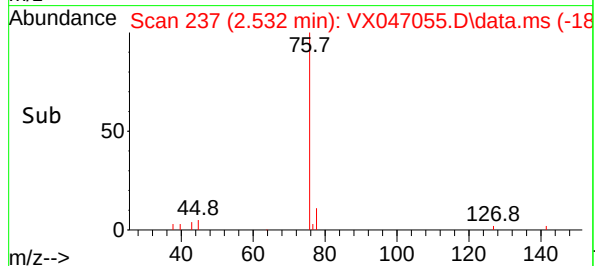
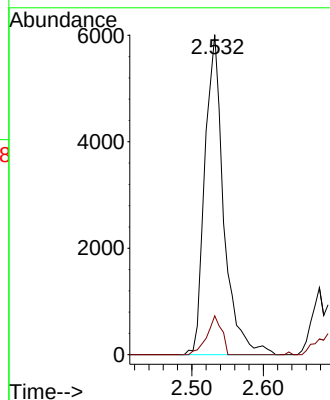
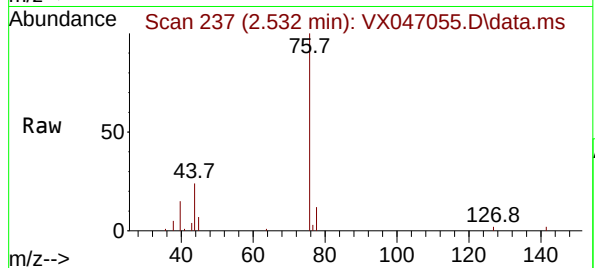
78 11.8 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#18

Methyl Acetate

Concen: 0.991 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.000 min

Lab File: VX047055.D

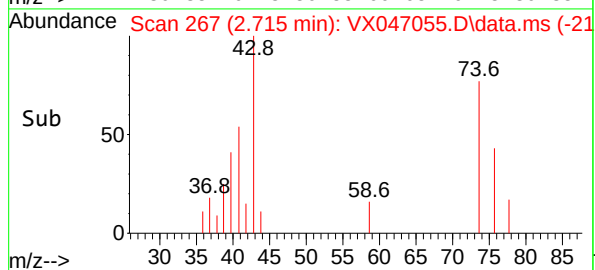
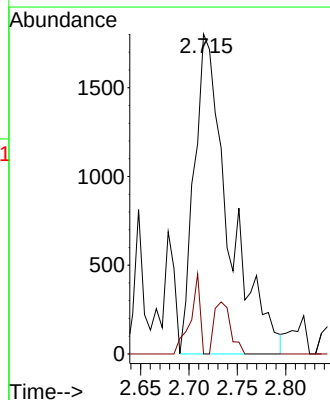
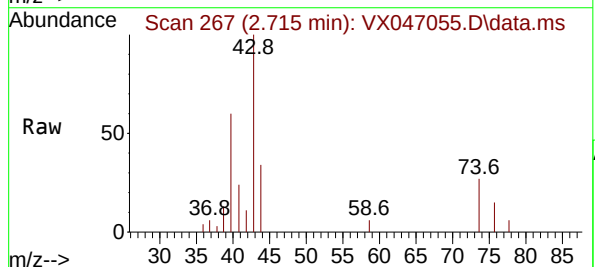
Acq: 21 Jul 2025 09:47

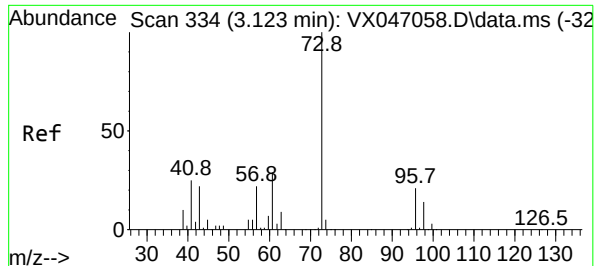
Tgt Ion: 43 Resp: 4440

Ion Ratio Lower Upper

43 100

74 7.0 17.7 26.5





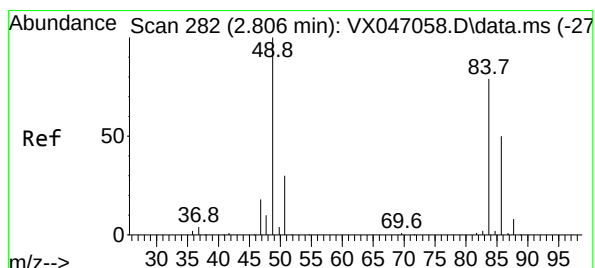
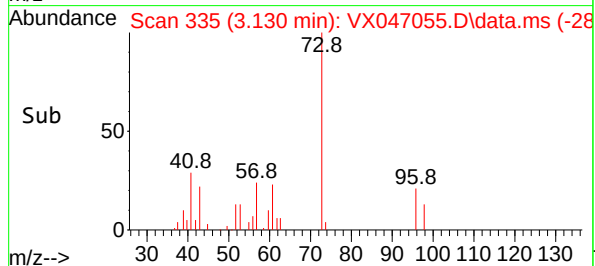
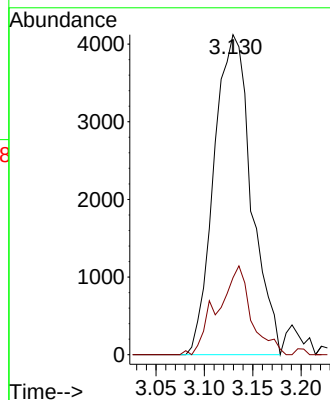
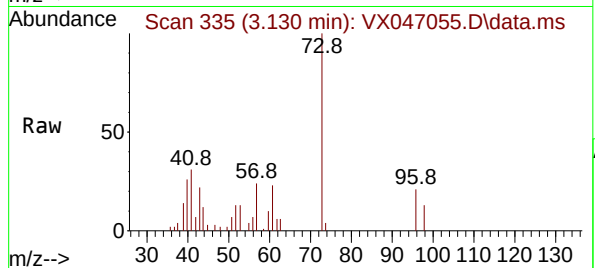
#19
Methyl tert-butyl Ether
Concen: 0.858 ug/l
RT: 3.130 min Scan# 311
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 73 Resp: 1108
Ion Ratio Lower Upper
73 100
57 23.0 17.7 26.5

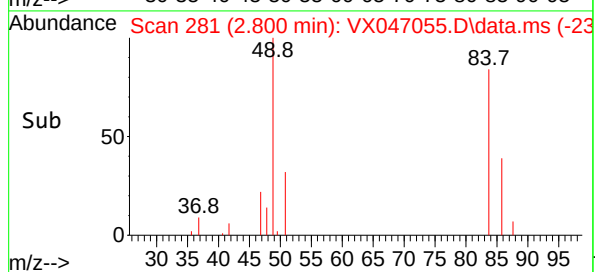
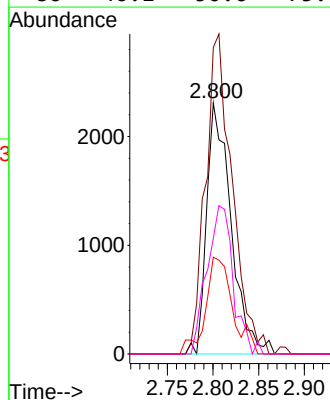
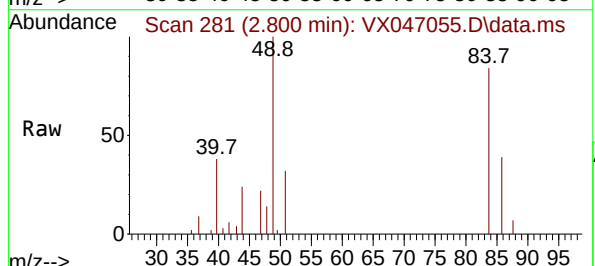
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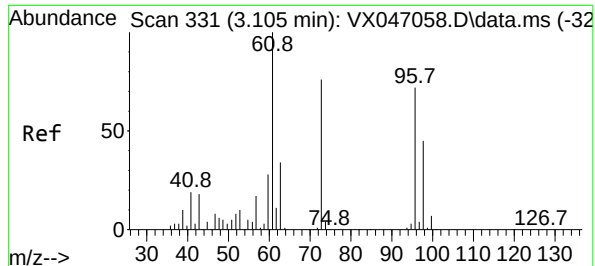
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#20
Methylene Chloride
Concen: 0.924 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

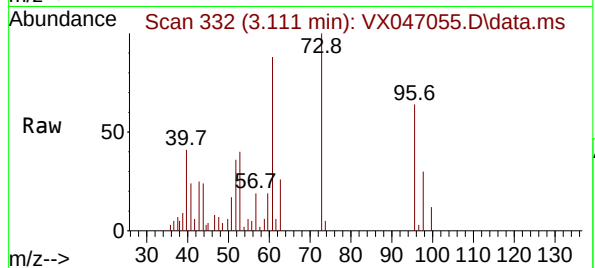
Tgt Ion: 84 Resp: 4289
Ion Ratio Lower Upper
84 100
49 122.0 101.6 152.4
51 38.6 30.3 45.5
86 46.1 50.6 75.8#





#21
trans-1,2-Dichloroethene
Concen: 0.826 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

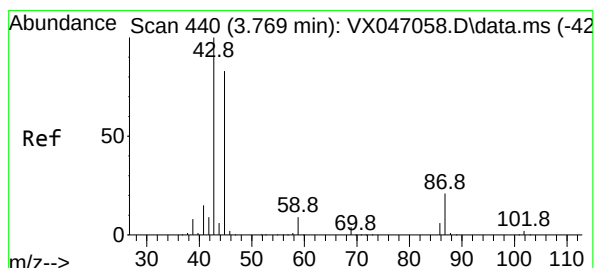
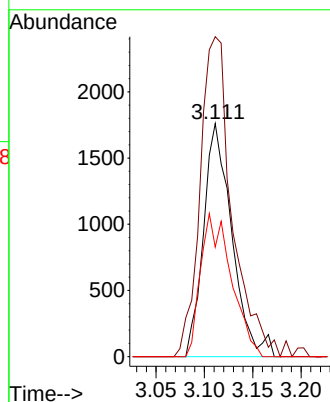
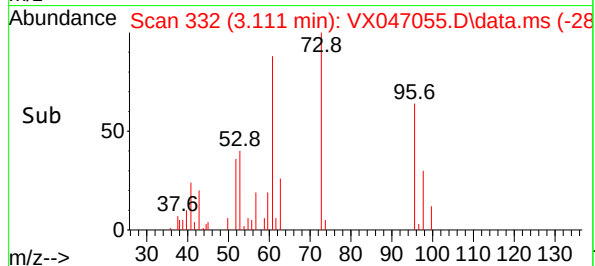
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 96 Resp: 3590
Ion Ratio Lower Upper
96 100
61 140.5 111.1 166.7
98 45.0 49.6 74.4

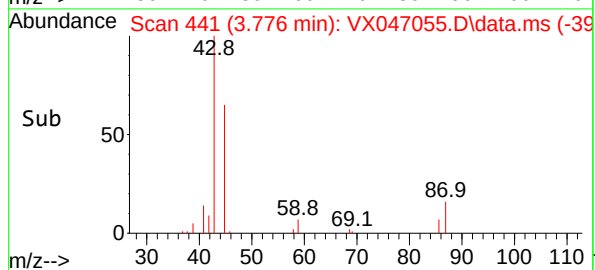
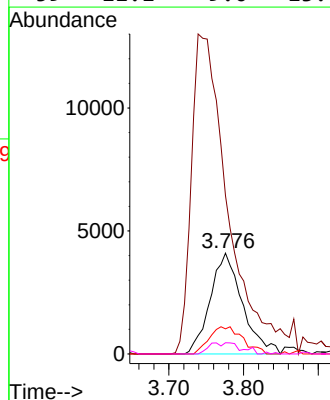
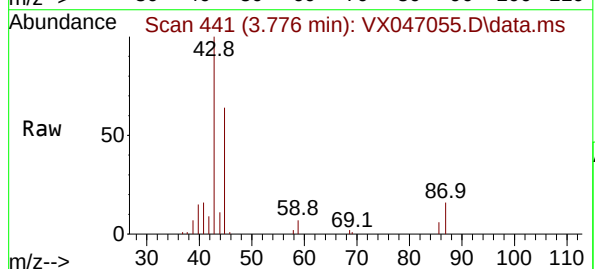
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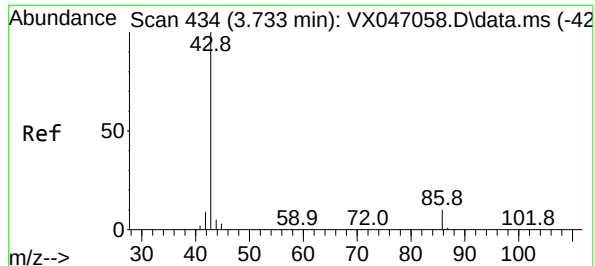
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#22
Diisopropyl ether
Concen: 0.828 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 45 Resp: 12222
Ion Ratio Lower Upper
45 100
43 132.0 96.8 145.2
87 24.9 20.5 30.7
59 11.1 9.0 13.4





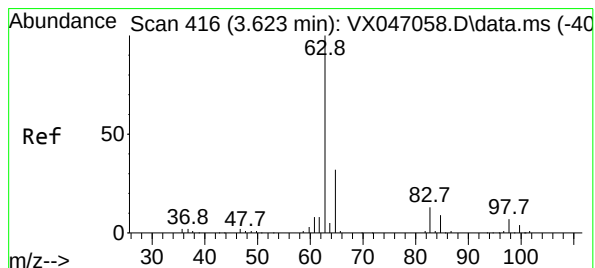
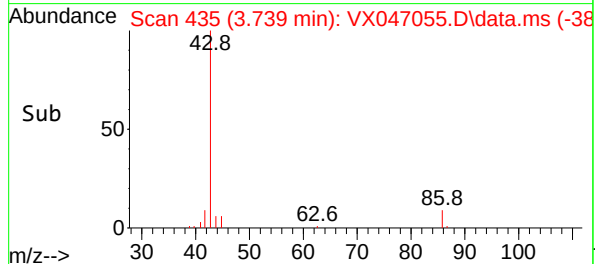
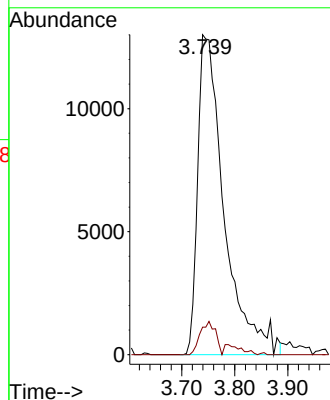
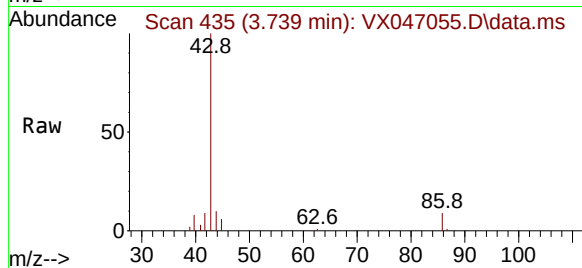
#23
Vinyl Acetate
Concen: 3.805 ug/l
RT: 3.739 min Scan# 41
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4504
Ion Ratio Lower Upper
43 100
86 10.3 8.1 12.1

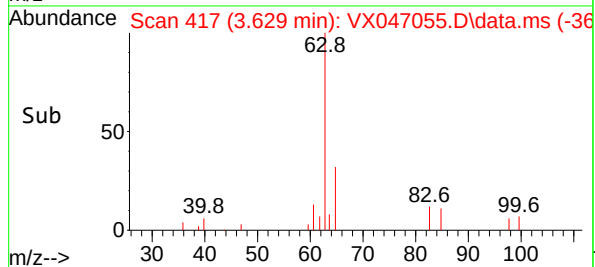
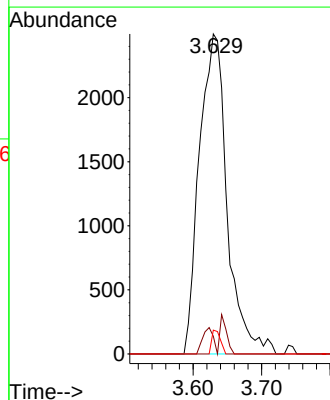
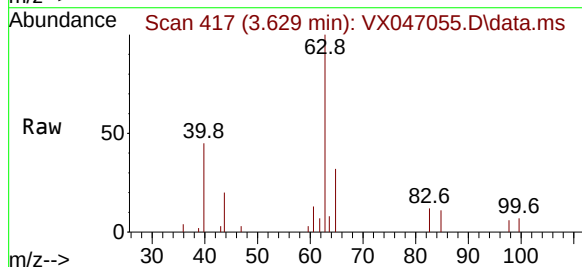
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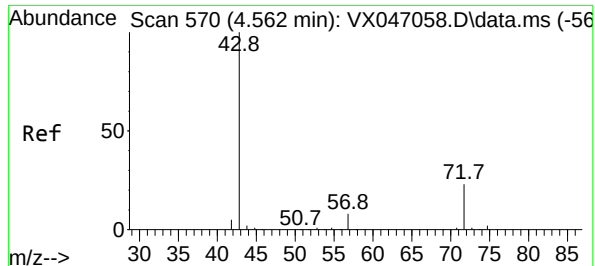
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#24
1,1-Dichloroethane
Concen: 0.859 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 63 Resp: 7054
Ion Ratio Lower Upper
63 100
98 5.1 3.6 10.8
100 6.9 2.3 6.8#





#25

2-Butanone

Concen: 4.367 ug/l

RT: 4.617 min Scan# 51

Delta R.T. 0.055 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 1072

Ion Ratio Lower Upper

43 100

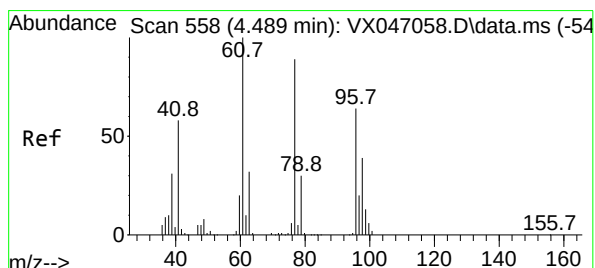
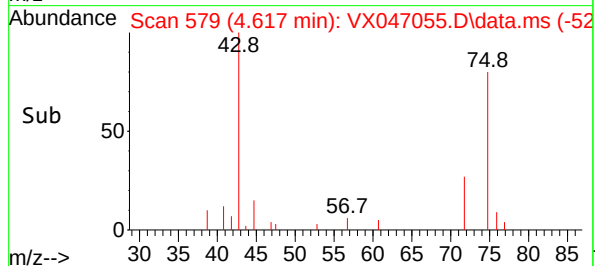
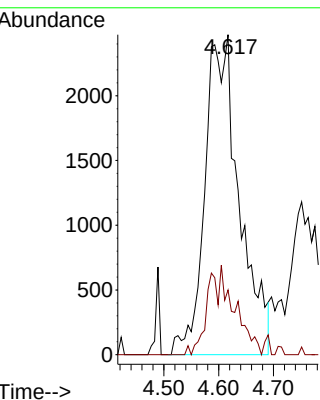
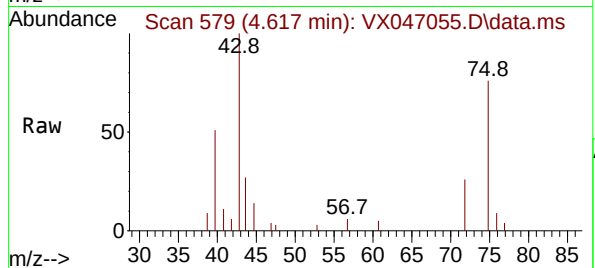
72 24.2 18.8 28.2

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#26

2,2-Dichloropropane

Concen: 0.929 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.007 min

Lab File: VX047055.D

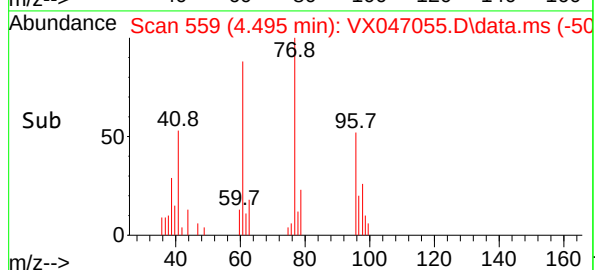
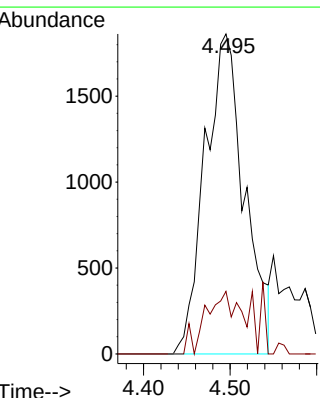
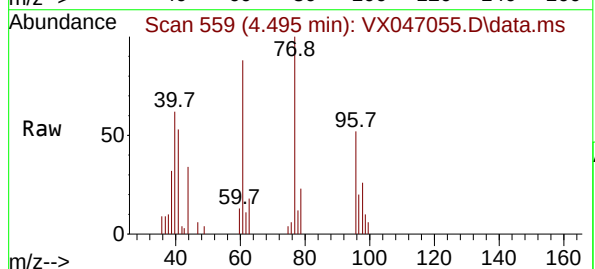
Acq: 21 Jul 2025 09:47

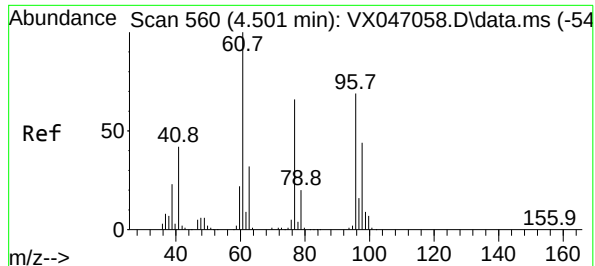
Tgt Ion: 77 Resp: 5905

Ion Ratio Lower Upper

77 100

97 16.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 0.880 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.000 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 452

Ion Ratio Lower Upper

96 100

61 170.3 0.0 298.6

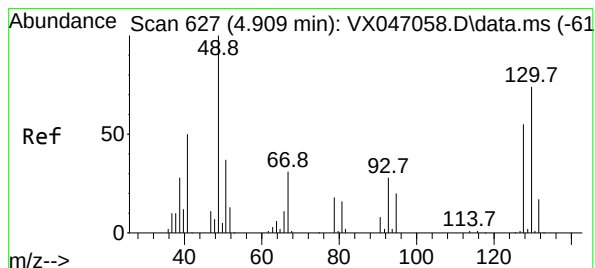
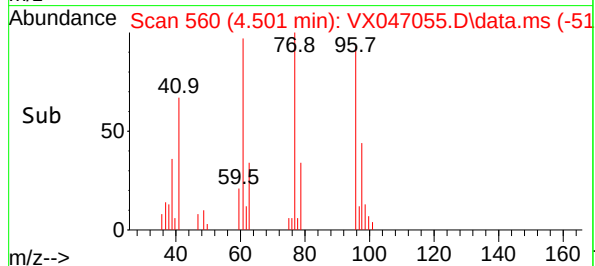
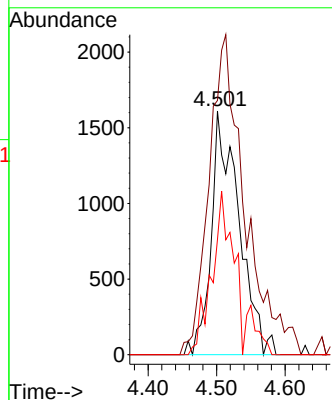
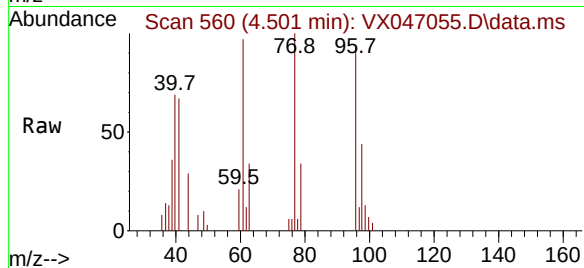
98 53.7 0.0 128.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#28

Bromochloromethane

Concen: 0.819 ug/l

RT: 4.916 min Scan# 628

Delta R.T. 0.007 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

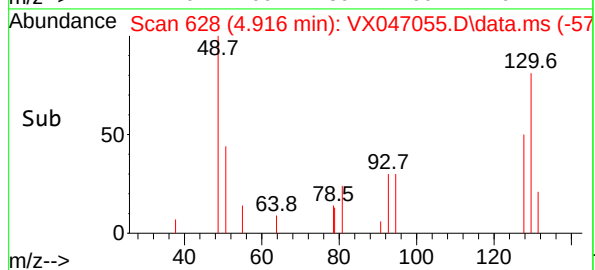
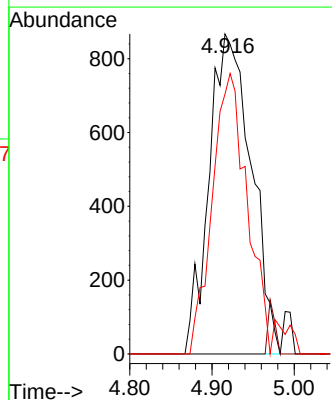
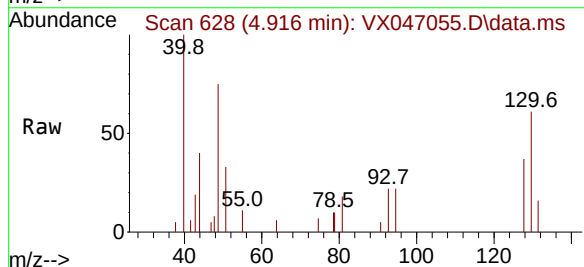
Tgt Ion: 49 Resp: 3092

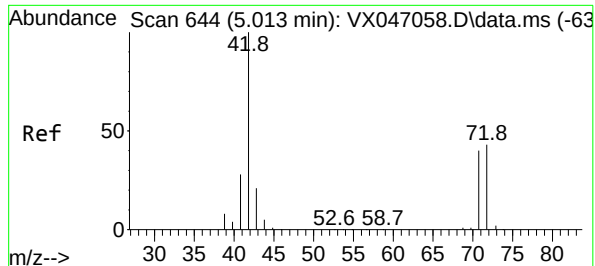
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 72.3 59.0 88.4





#29

Tetrahydrofuran

Concen: 3.890 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 42 Resp: 6164

Ion Ratio Lower Upper

42 100

72 26.7 33.7 50.5

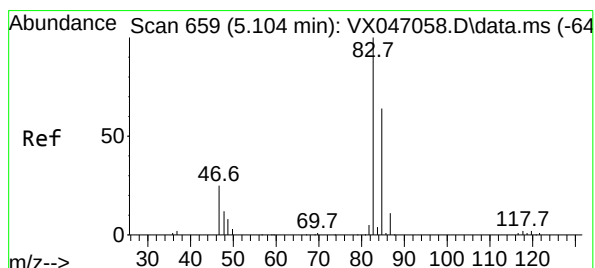
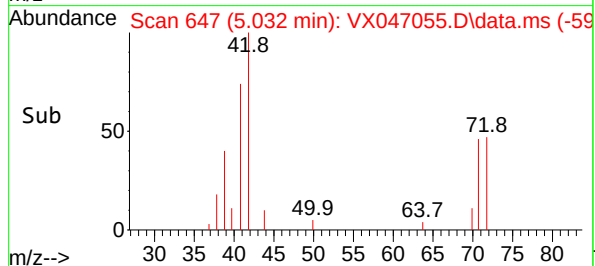
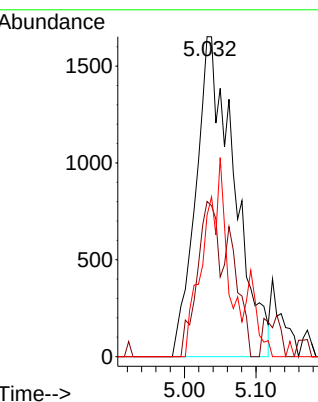
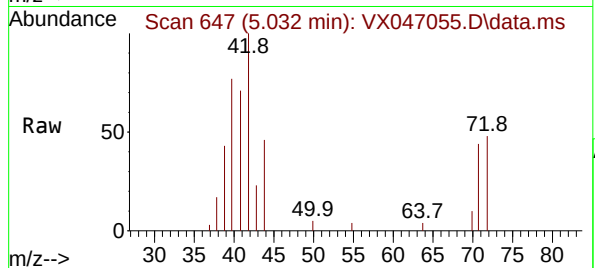
71 38.0 31.0 46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#30

Chloroform

Concen: 0.955 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.007 min

Lab File: VX047055.D

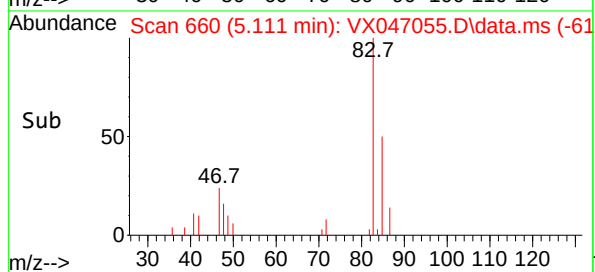
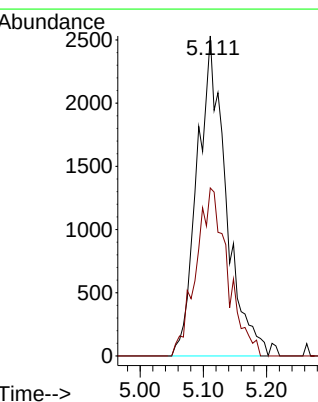
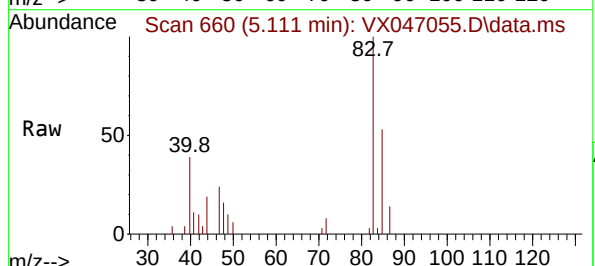
Acq: 21 Jul 2025 09:47

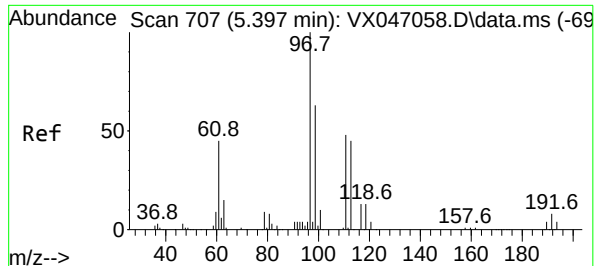
Tgt Ion: 83 Resp: 7976

Ion Ratio Lower Upper

83 100

85 52.5 50.9 76.3





#32

1,1,1-Trichloroethane

Concen: 0.895 ug/l

RT: 5.397 min Scan# 70

Delta R.T. 0.000 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 6490

Ion Ratio Lower Upper

97 100

99 0.0 51.2 76.8

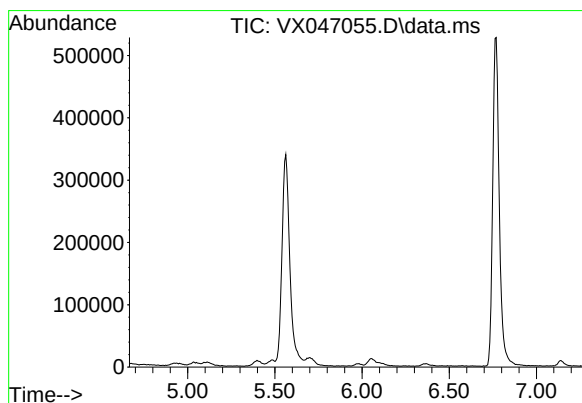
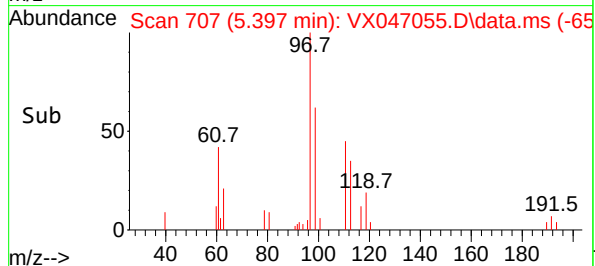
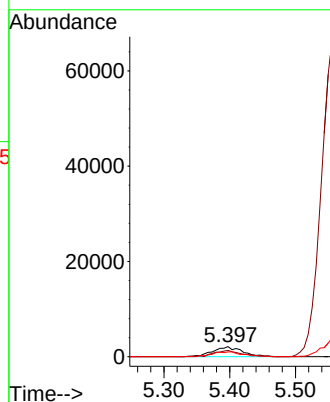
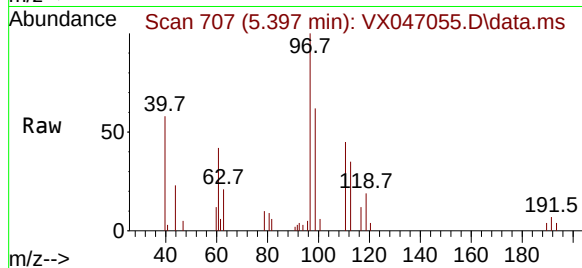
61 48.6 37.1 55.7

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.96 min

Lab File: VX047055.D

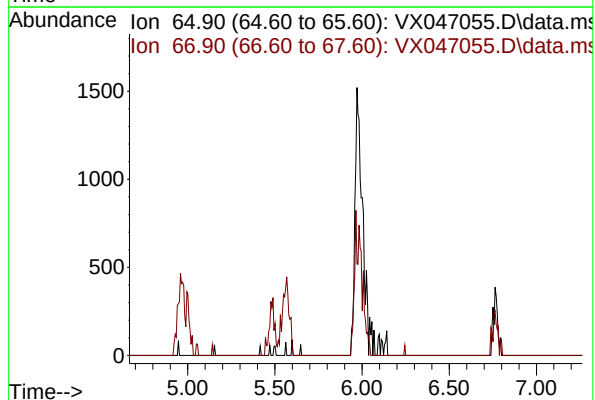
Acq: 21 Jul 2025 09:47

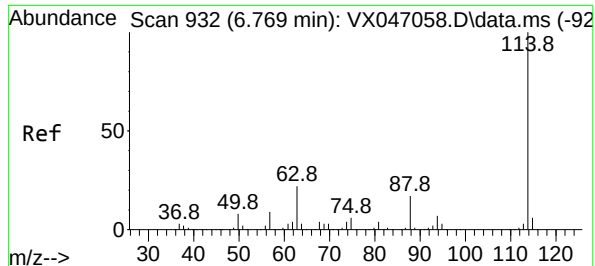
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 582229

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

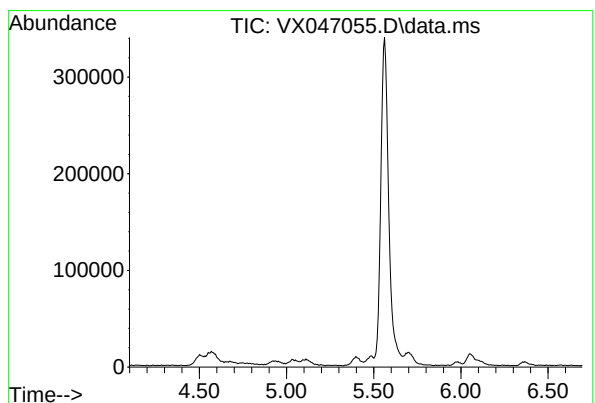
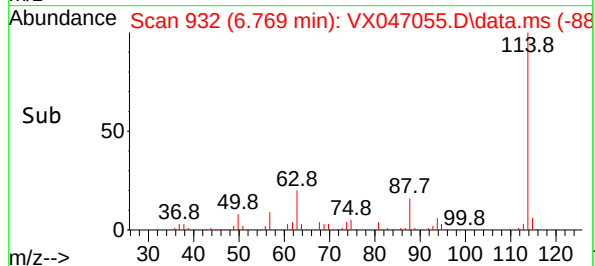
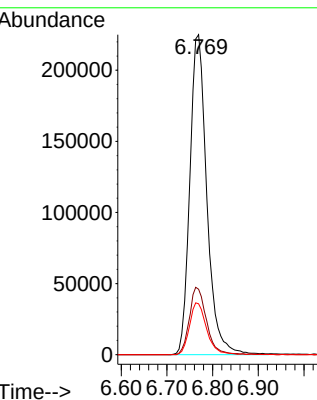
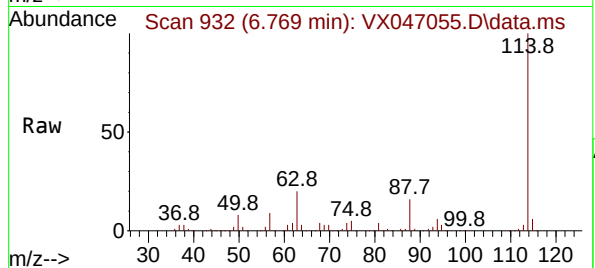
88 15.9 0.0 33.8

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.40 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

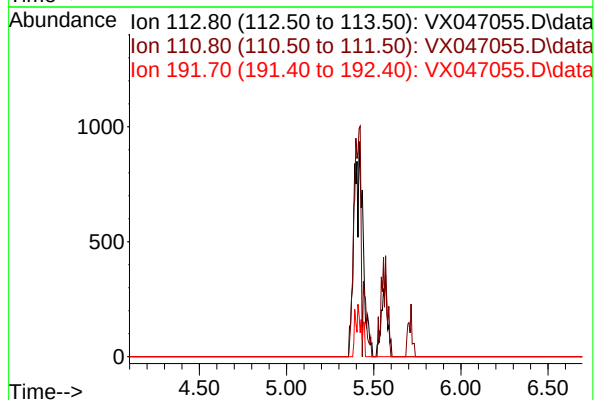
Tgt Ion: 113

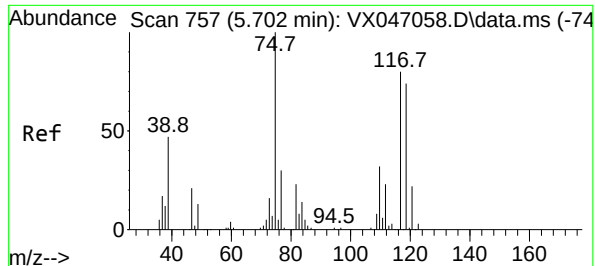
Sig Exp Ratio

113 100

111 103.3

192 18.6





#36

1,1-Dichloropropene

Concen: 1.094 ug/l

RT: 5.708 min Scan# 70

Delta R.T. 0.007 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

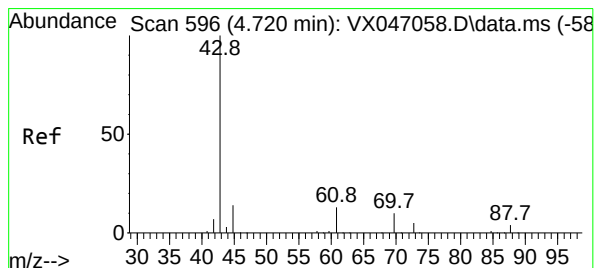
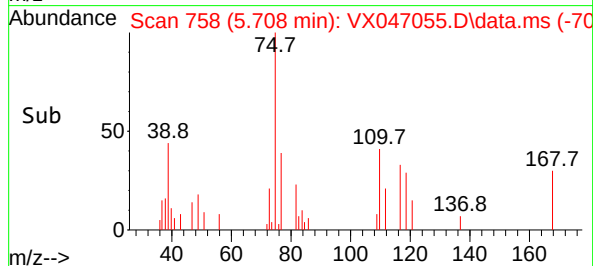
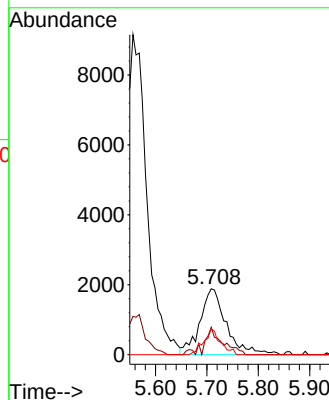
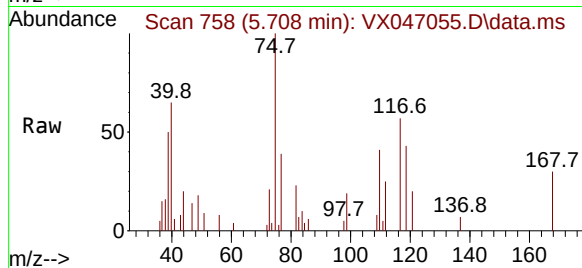
Tgt Ion:	75	Resp:	670
Ion	Ratio	Lower	Upper
75	100		
110	26.3	17.2	51.5
77	24.7	25.1	37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#37

Ethyl Acetate

Concen: 1.068 ug/l m

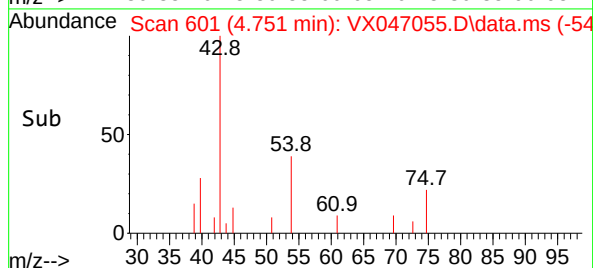
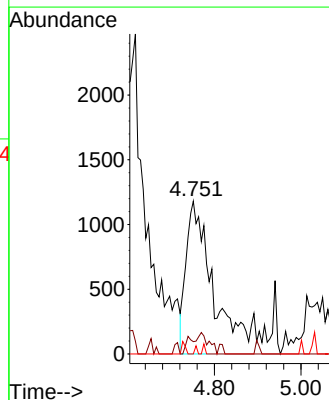
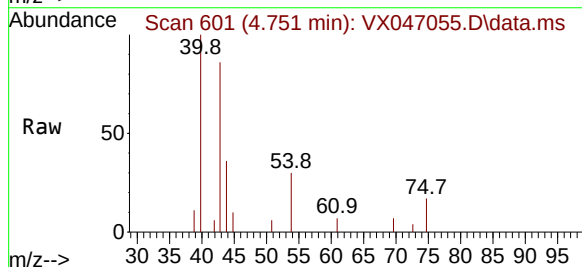
RT: 4.751 min Scan# 601

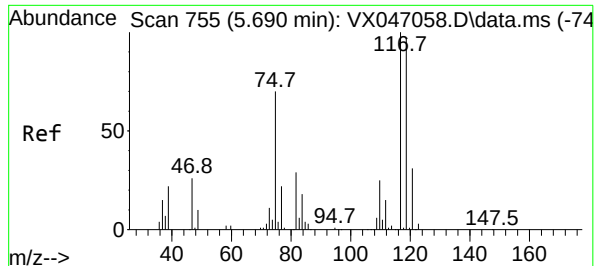
Delta R.T. 0.031 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Tgt Ion:	43	Resp:	5770
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.2	15.2#
70	0.4	8.1	12.1#





#38

Carbon Tetrachloride

Concen: 0.936 ug/l

RT: 5.696 min Scan# 755

Delta R.T. 0.007 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 6120

Ion Ratio Lower Upper

117 100

119 97.9 76.6 115.0

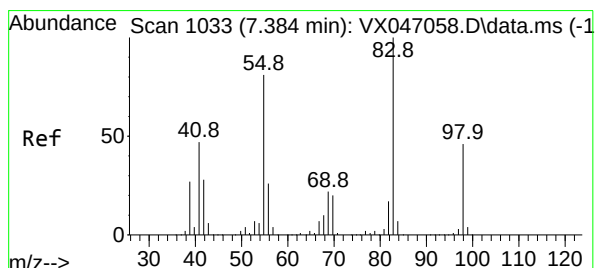
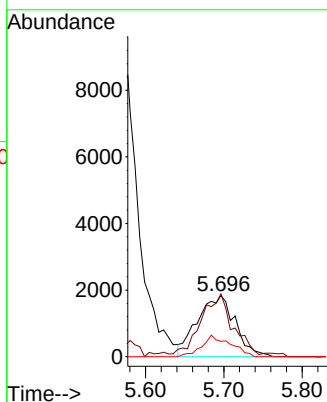
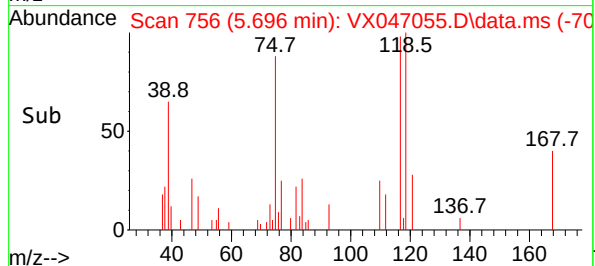
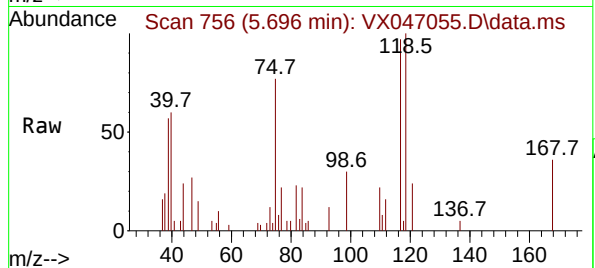
121 25.1 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#39

Methylcyclohexane

Concen: 0.888 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

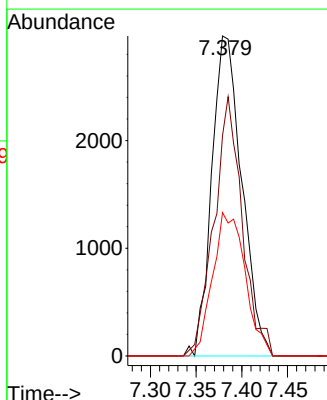
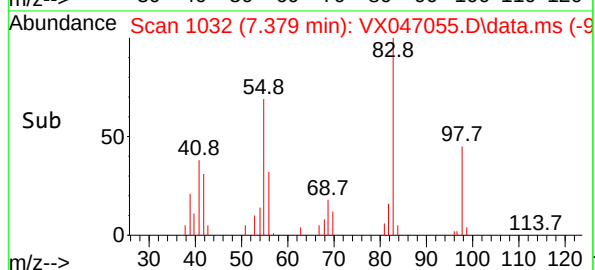
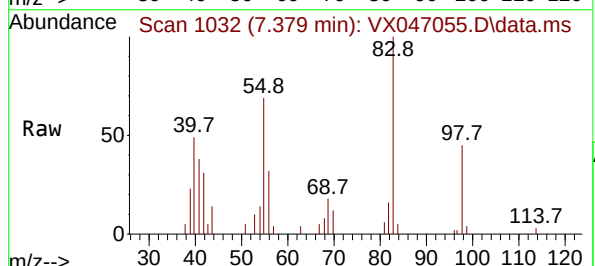
Tgt Ion: 83 Resp: 6794

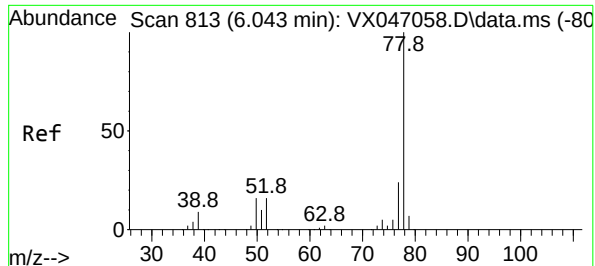
Ion Ratio Lower Upper

83 100

55 68.8 64.5 96.7

98 48.7 36.9 55.3





#40

Benzene

Concen: 0.871 ug/l

RT: 6.050 min Scan# 813

Delta R.T. 0.007 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 15450

Ion Ratio Lower Upper

78 100

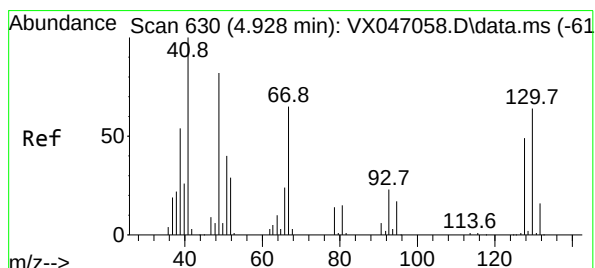
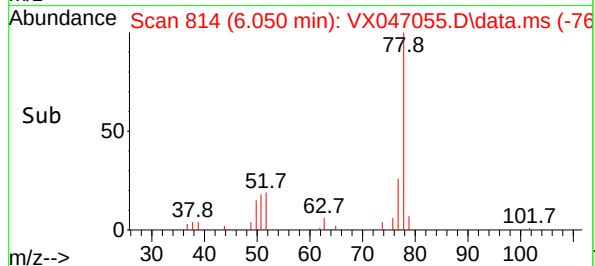
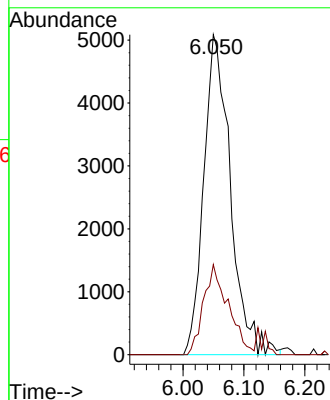
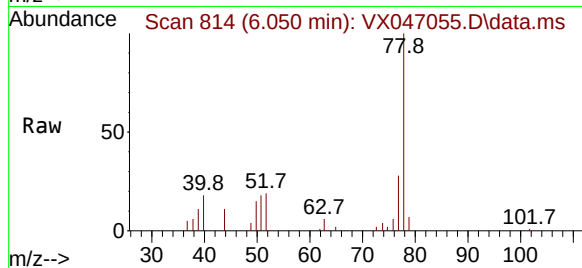
77 28.2 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#41

Methacrylonitrile

Concen: 0.734 ug/l

RT: 4.971 min Scan# 637

Delta R.T. 0.043 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Tgt Ion: 41 Resp: 2166

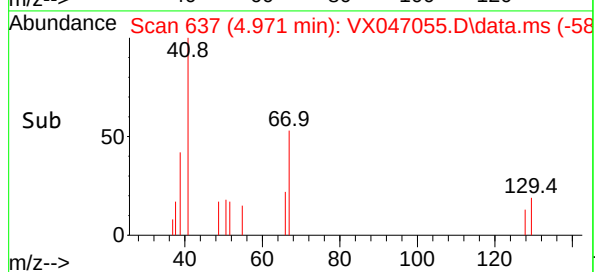
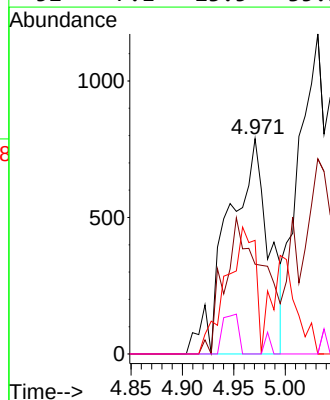
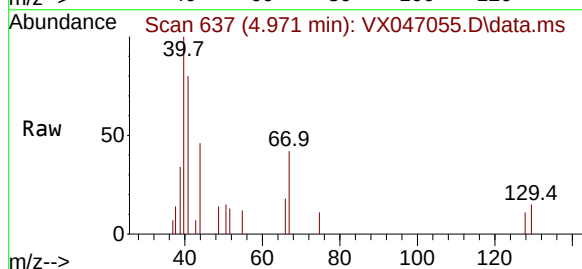
Ion Ratio Lower Upper

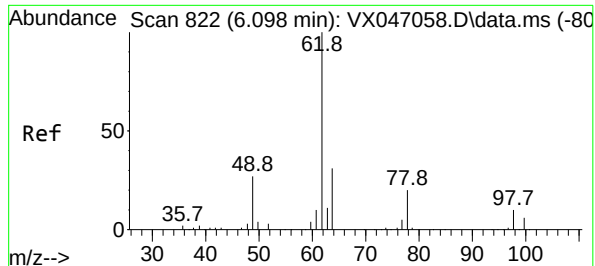
41 100

39 60.6 44.2 66.2

67 41.7 56.4 84.6#

52 7.1 23.5 35.3#





#42

1,2-Dichloroethane

Concen: 0.872 ug/l

RT: 6.105 min Scan# 81

Delta R.T. 0.007 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Tgt Ion: 62 Resp: 5449

Ion Ratio Lower Upper

62 100

98 8.6 0.0 18.8

Instrument :

MSVOA_X

ClientSampleId :

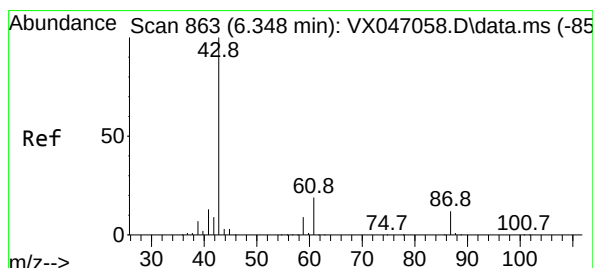
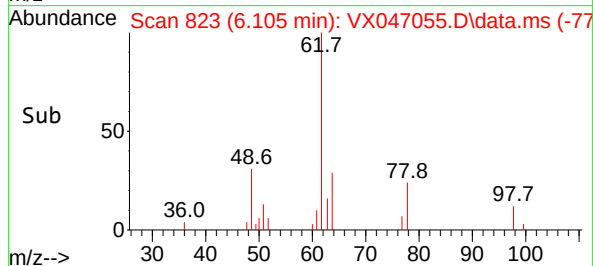
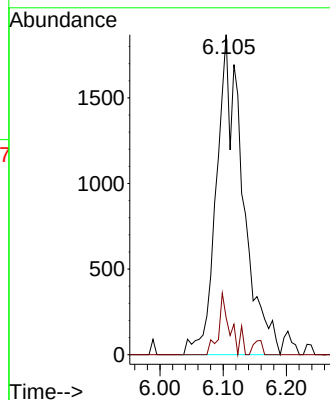
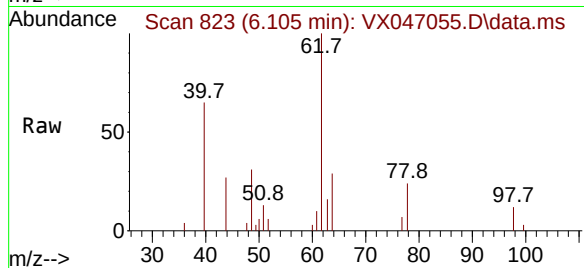
VSTDIC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#43

Isopropyl Acetate

Concen: 0.697 ug/l

RT: 6.367 min Scan# 866

Delta R.T. 0.019 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

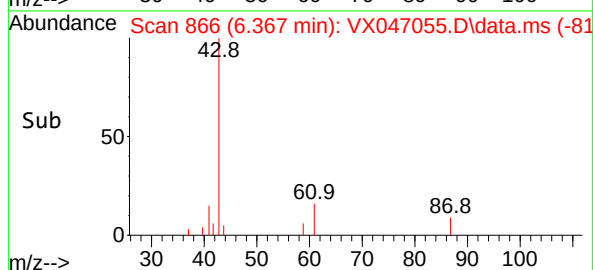
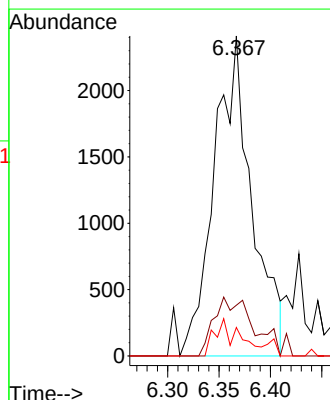
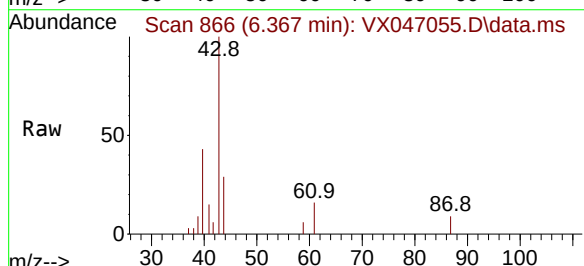
Tgt Ion: 43 Resp: 6134

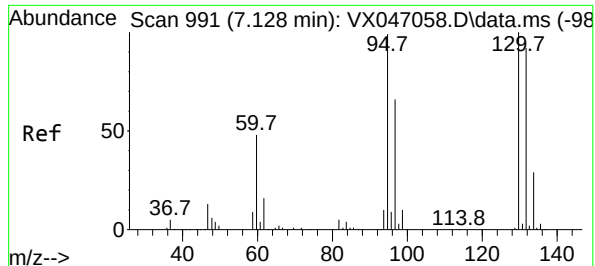
Ion Ratio Lower Upper

43 100

61 20.2 15.1 22.7

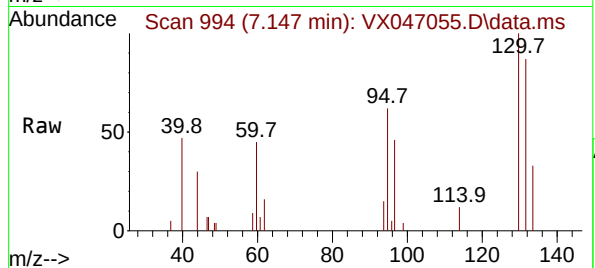
87 7.7 9.7 14.5#





#44
Trichloroethene
Concen: 0.896 ug/l
RT: 7.147 min Scan# 991
Delta R.T. 0.019 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

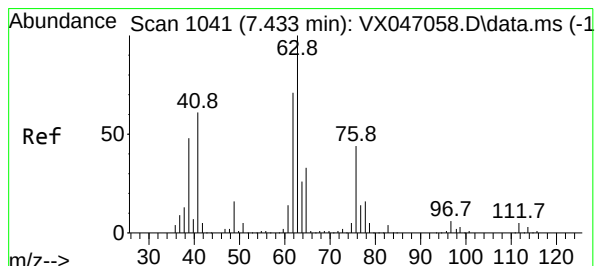
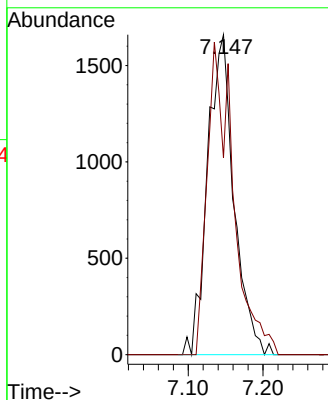
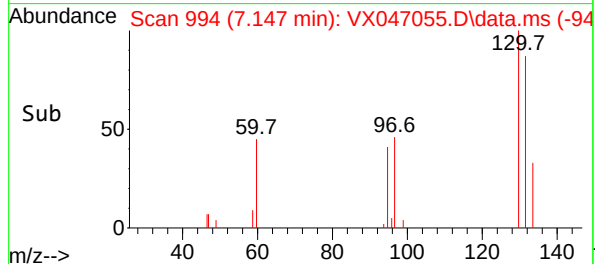
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



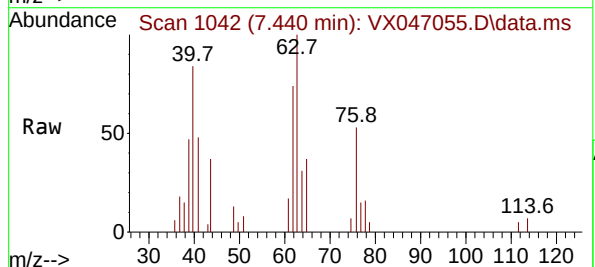
Tgt Ion:130 Resp: 4075
Ion Ratio Lower Upper
130 100
95 61.5 0.0 198.6

Manual Integrations
APPROVED

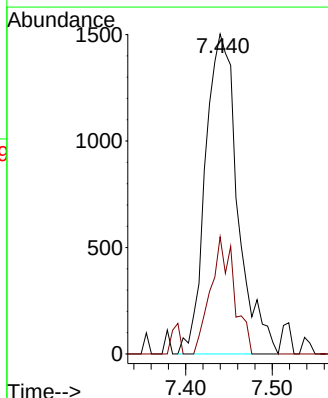
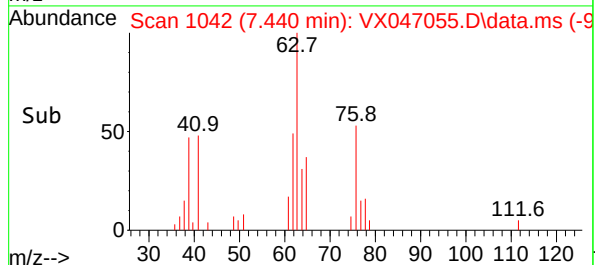
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

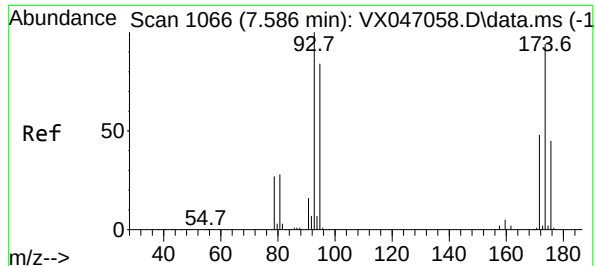


#45
1,2-Dichloropropane
Concen: 0.877 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47



Tgt Ion: 63 Resp: 3895
Ion Ratio Lower Upper
63 100
65 36.6 26.3 39.5





#46

Dibromomethane

Concen: 0.762 ug/l

RT: 7.592 min Scan# 1106

Delta R.T. 0.007 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 93 Resp: 2372

Ion Ratio Lower Upper

93 100

95 94.0 65.9 98.9

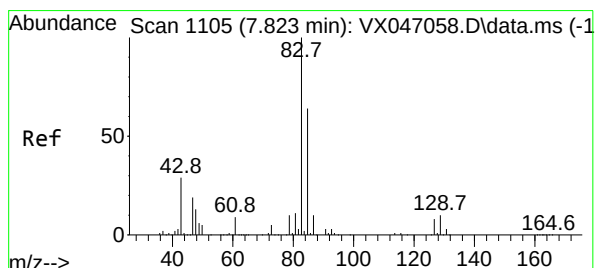
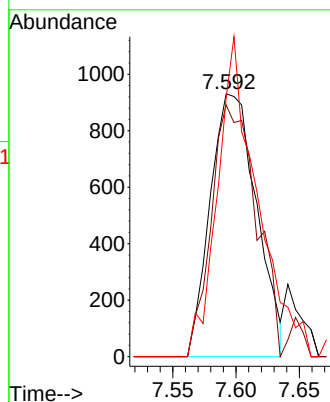
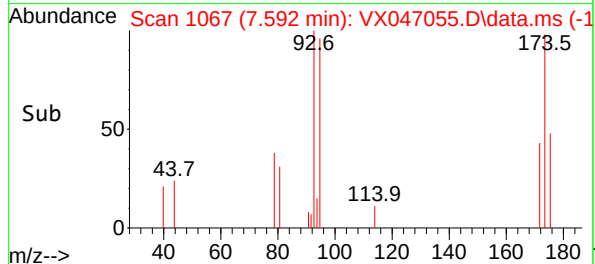
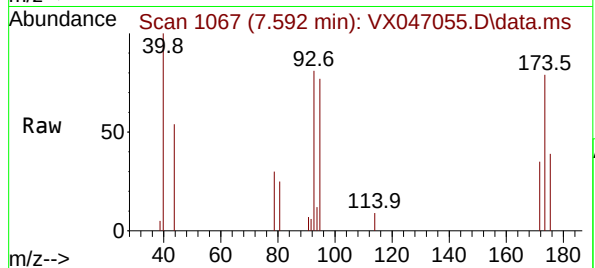
174 104.2 74.6 112.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#47

Bromodichloromethane

Concen: 0.867 ug/l

RT: 7.830 min Scan# 1106

Delta R.T. 0.007 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

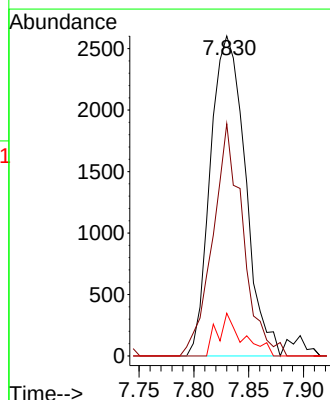
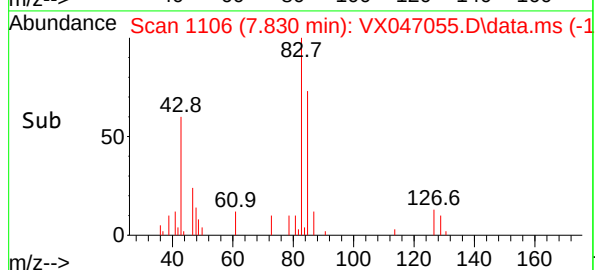
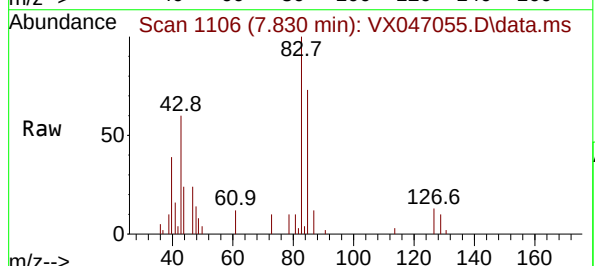
Tgt Ion: 83 Resp: 5749

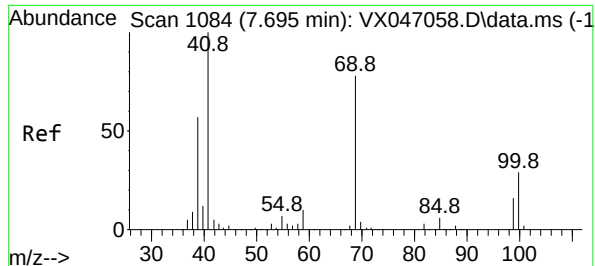
Ion Ratio Lower Upper

83 100

85 72.6 49.9 74.9

127 13.4 6.6 10.0#





#48

Methyl methacrylate

Concen: 1.014 ug/l m

RT: 7.714 min Scan# 1087

Delta R.T. 0.019 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

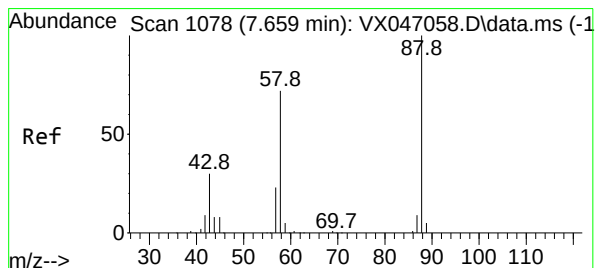
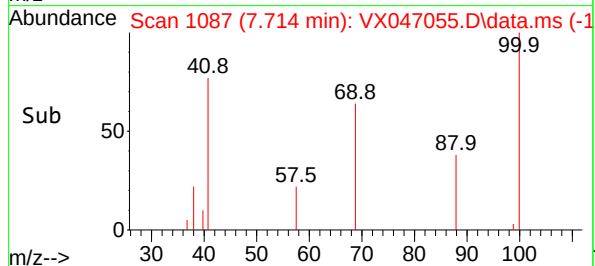
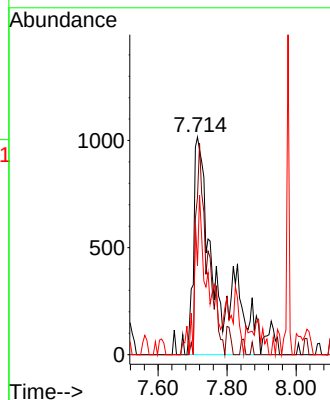
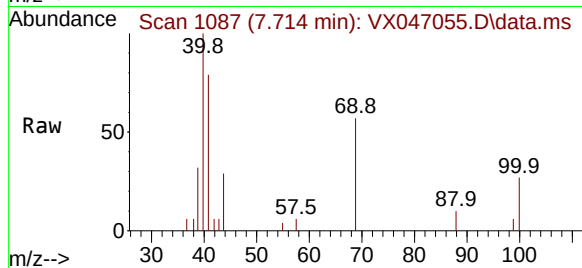
Tgt Ion:	41	Resp:	486
Ion	Ratio	Lower	Upper
41	100		
69	46.9	62.3	93.5
39	28.6	44.8	67.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#49

1,4-Dioxane

Concen: 12.834 ug/l m

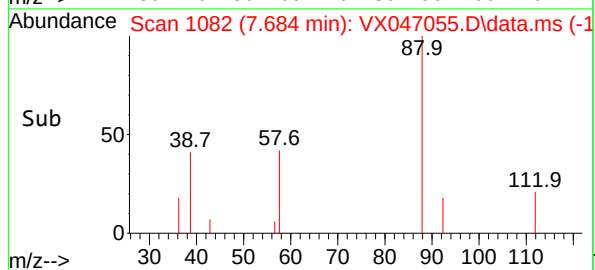
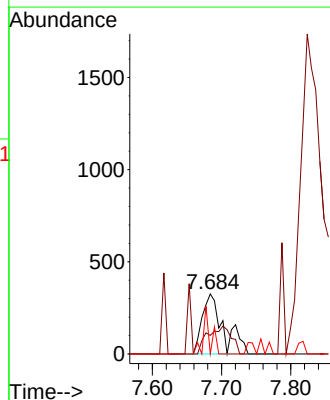
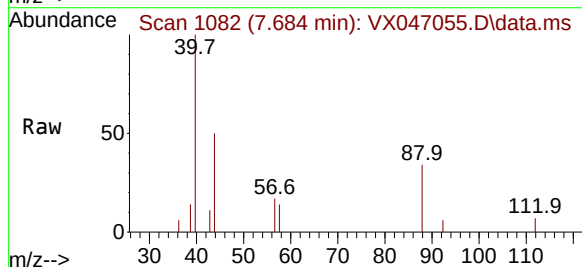
RT: 7.684 min Scan# 1082

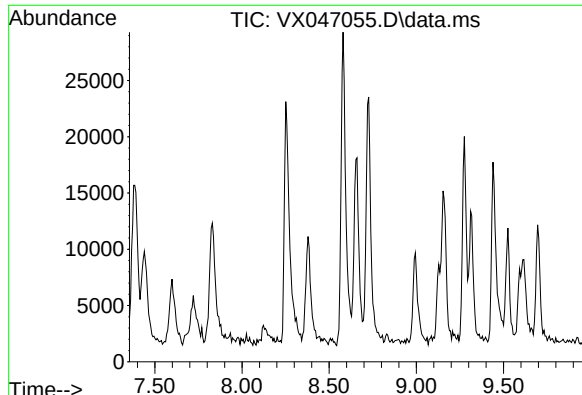
Delta R.T. 0.025 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Tgt Ion:	88	Resp:	700
Ion	Ratio	Lower	Upper
88	100		
43	0.0	33.6	50.4
58	24.4	58.8	88.2





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

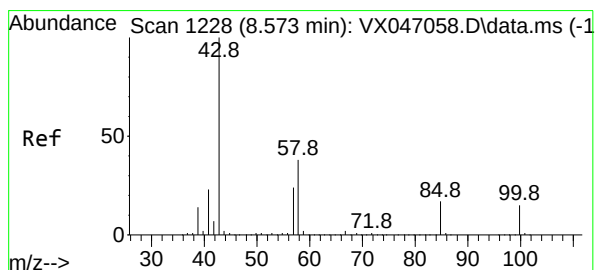
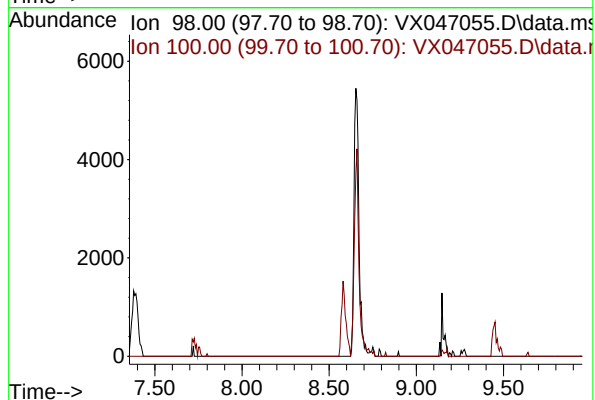
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

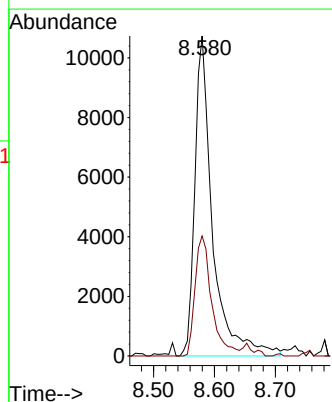
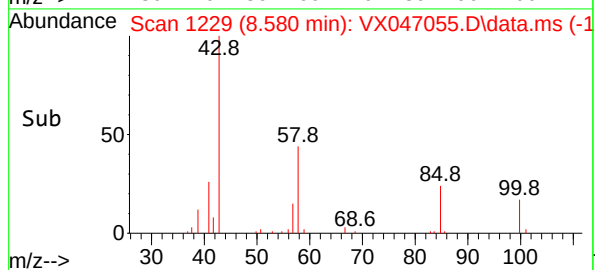
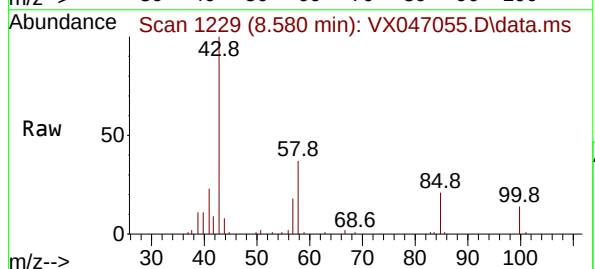
Manual Integrations
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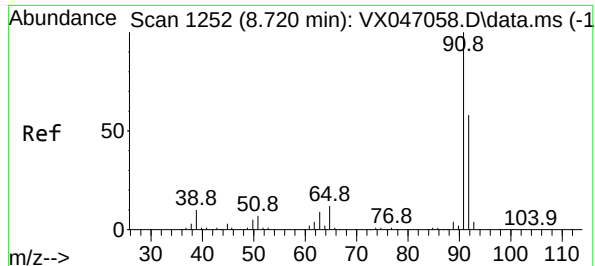
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#51
4-Methyl-2-Pentanone
Concen: 4.131 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 43 Resp: 21616
Ion Ratio Lower Upper
43 100
58 35.4 30.6 45.8





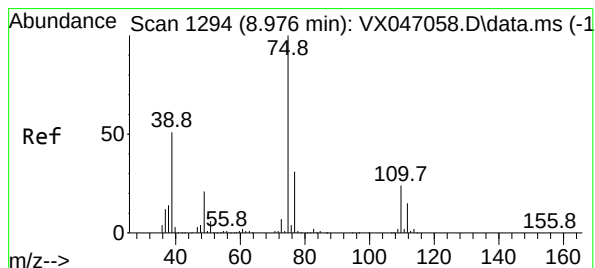
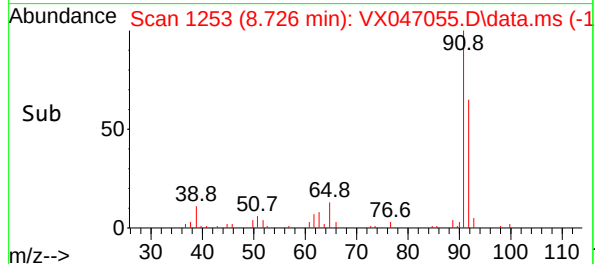
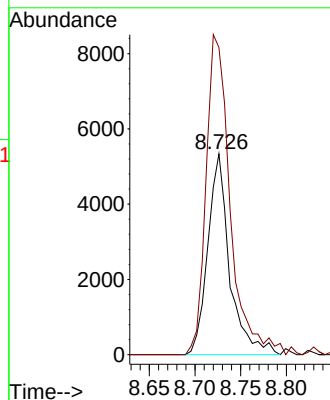
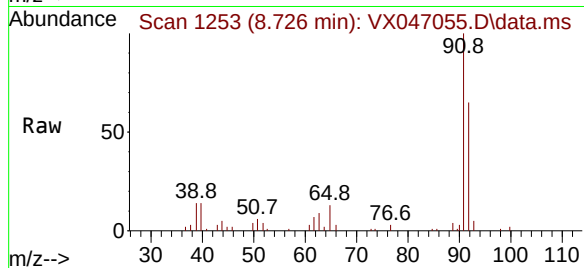
#52
Toluene
Concen: 0.814 ug/l
RT: 8.726 min Scan# 1252
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 92 Resp: 8872
Ion Ratio Lower Upper
92 100
91 177.3 137.9 206.9

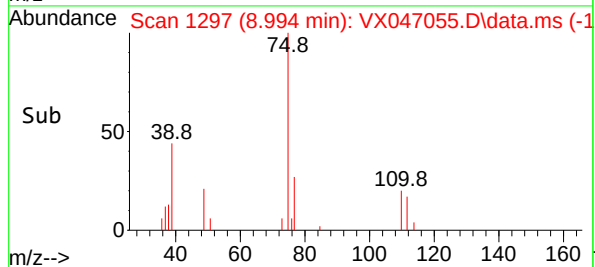
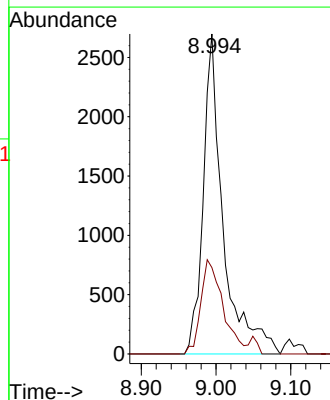
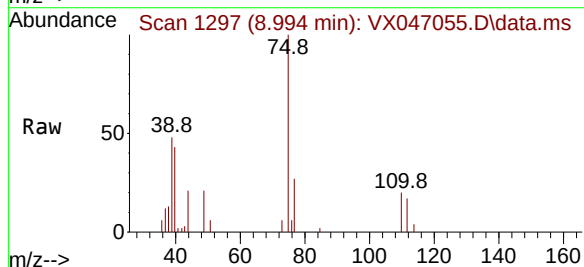
Manual Integrations
APPROVED

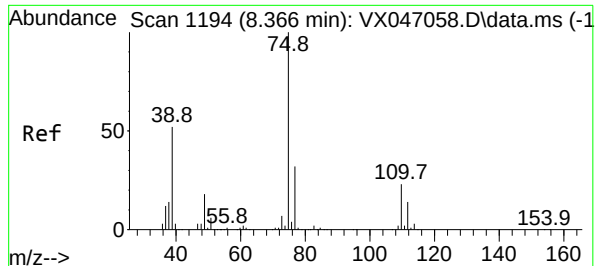
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#53
t-1,3-Dichloropropene
Concen: 0.798 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.019 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

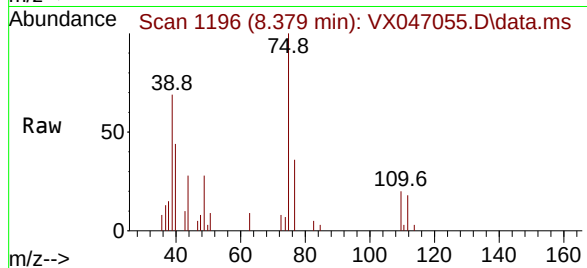
Tgt Ion: 75 Resp: 4993
Ion Ratio Lower Upper
75 100
77 27.0 24.5 36.7





#54
cis-1,3-Dichloropropene
Concen: 0.751 ug/l
RT: 8.379 min Scan# 1196
Delta R.T. 0.013 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

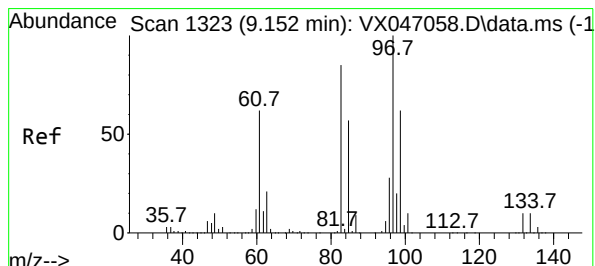
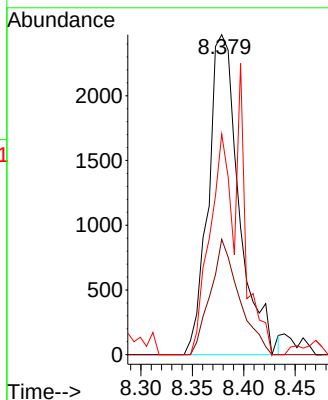
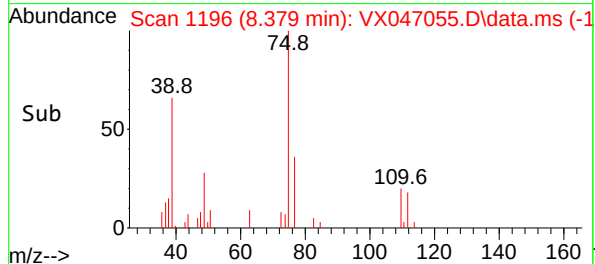
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 75 Resp: 5149
Ion Ratio Lower Upper
75 100
77 36.0 25.4 38.0
39 25.1 41.8 62.6

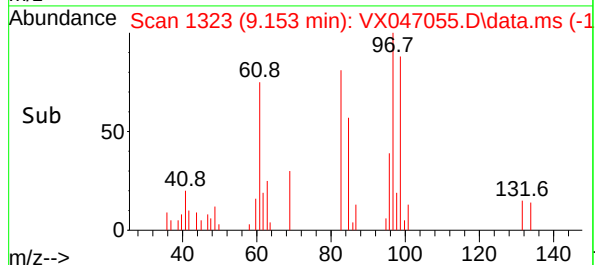
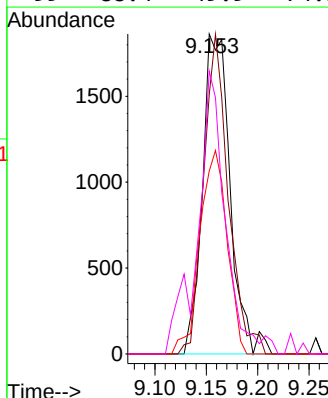
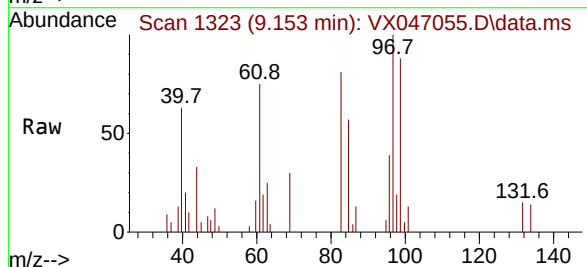
Manual Integrations
APPROVED

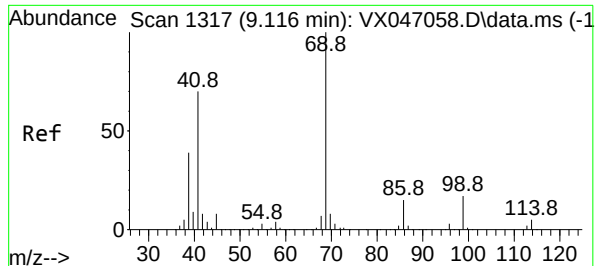
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#55
1,1,2-Trichloroethane
Concen: 0.853 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 97 Resp: 3490
Ion Ratio Lower Upper
97 100
83 81.0 68.0 102.0
85 57.2 45.2 67.8
99 88.4 49.9 74.9





#56

Ethyl methacrylate

Concen: 0.657 ug/l

RT: 9.128 min Scan# 1317

Delta R.T. 0.013 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 69 Resp: 3978

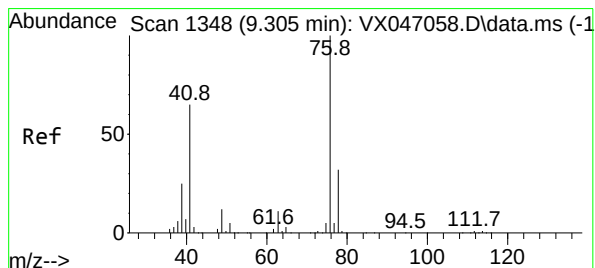
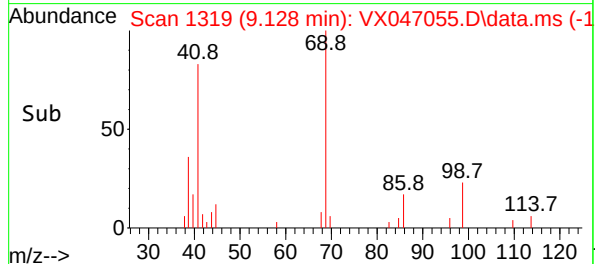
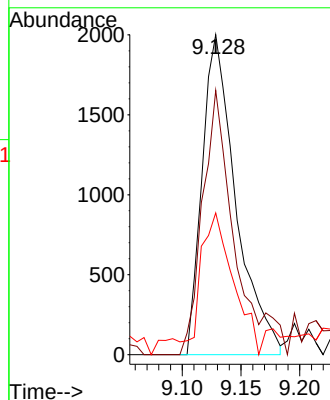
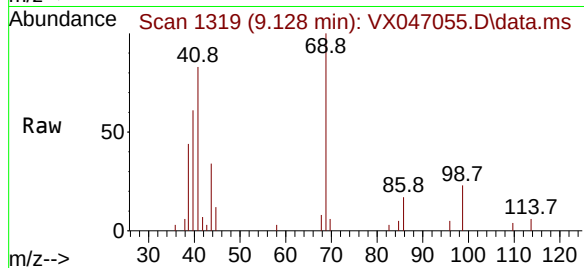
Ion	Ratio	Lower	Upper
69	100		
41	78.7	56.1	84.1
39	42.5	31.1	46.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#57

1,3-Dichloropropane

Concen: 0.868 ug/l

RT: 9.311 min Scan# 1349

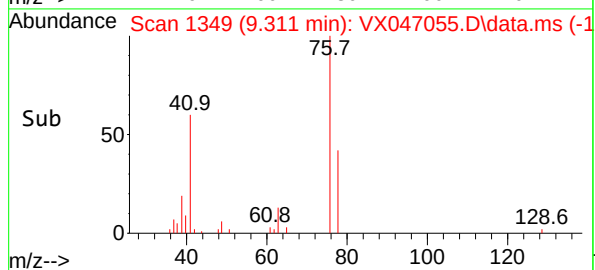
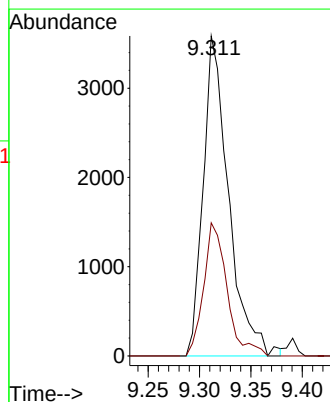
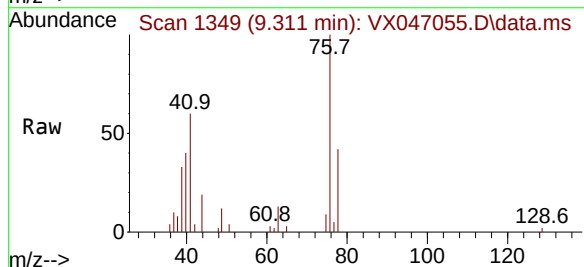
Delta R.T. 0.007 min

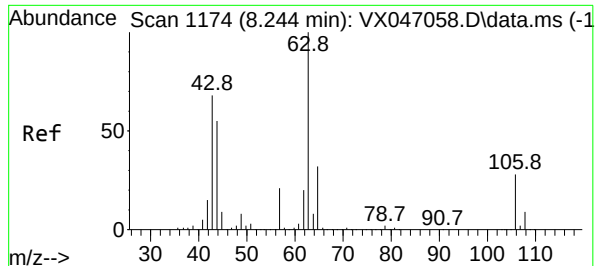
Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Tgt Ion: 76 Resp: 6170

Ion	Ratio	Lower	Upper
76	100		
78	38.4	25.5	38.3





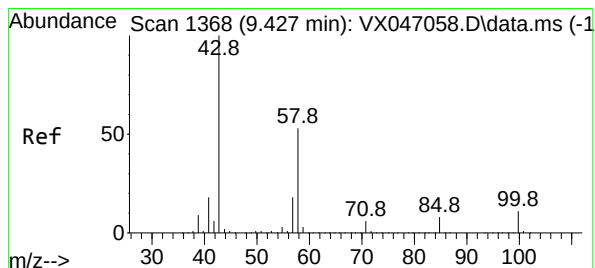
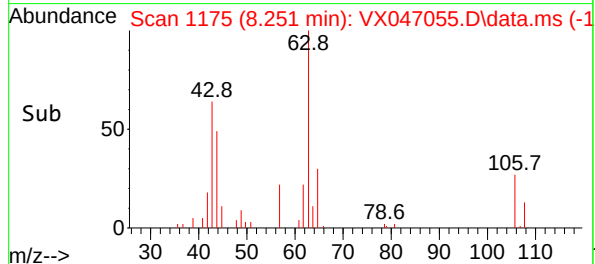
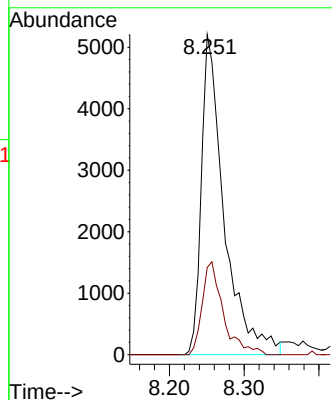
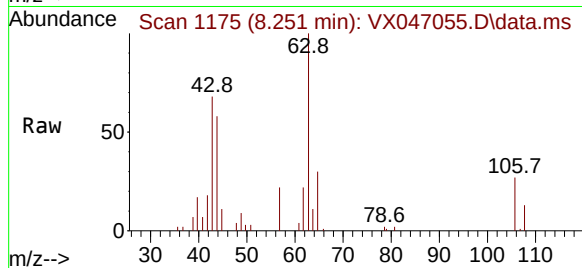
#58
2-Chloroethyl Vinyl ether
Concen: 3.268 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 11010
Ion Ratio Lower Upper
63 100
106 27.0 22.2 33.4

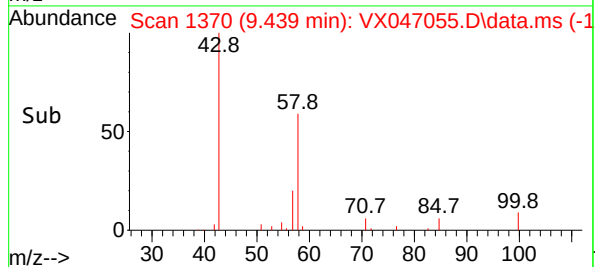
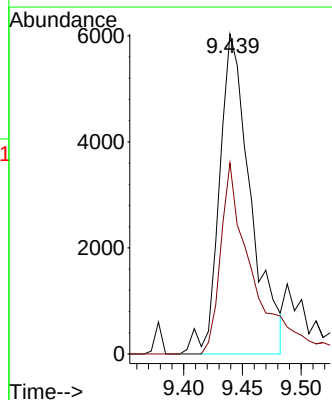
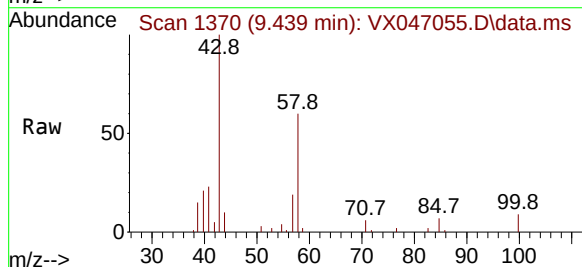
Manual Integrations
APPROVED

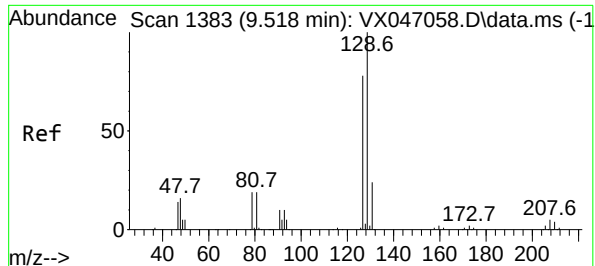
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#59
2-Hexanone
Concen: 3.240 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.013 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

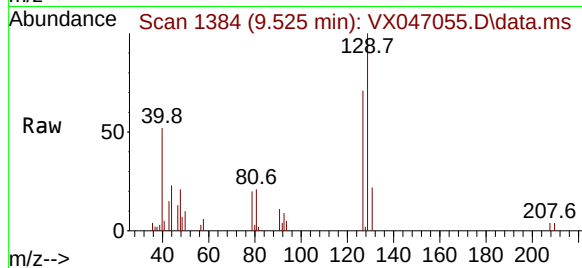
Tgt Ion: 43 Resp: 11200
Ion Ratio Lower Upper
43 100
58 61.9 26.5 79.5





#60
Dibromochloromethane
Concen: 0.834 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

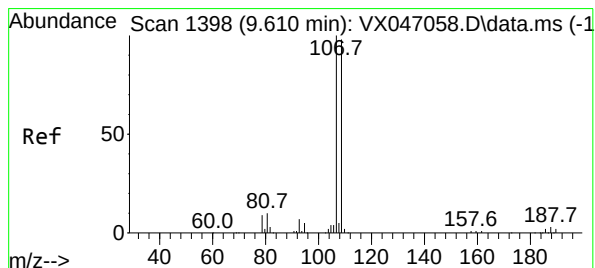
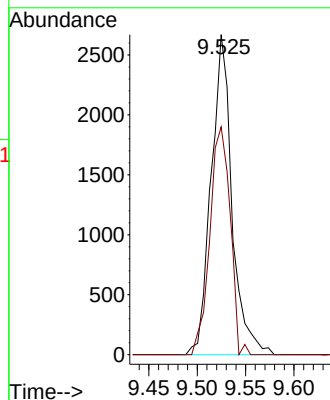
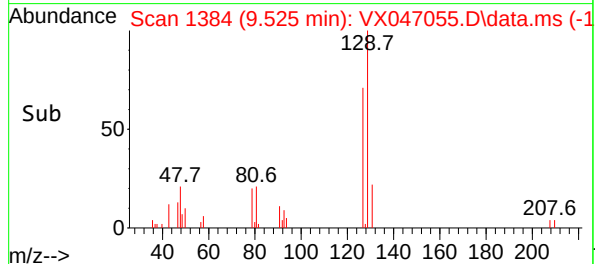
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:129 Resp: 3998
Ion Ratio Lower Upper
129 100
127 69.2 38.6 115.8

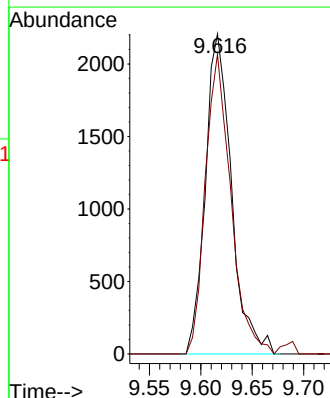
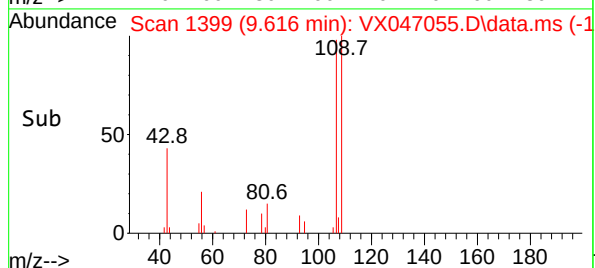
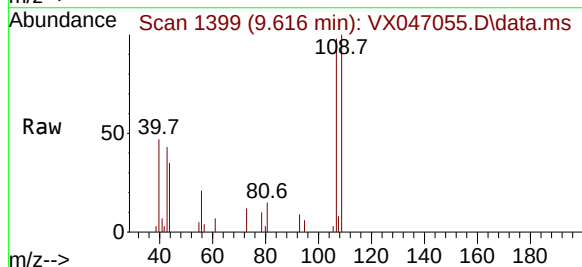
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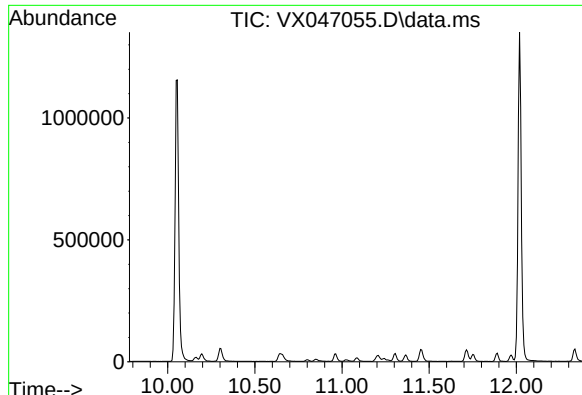
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#61
1,2-Dibromoethane
Concen: 0.909 ug/l
RT: 9.616 min Scan# 1399
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:107 Resp: 3885
Ion Ratio Lower Upper
107 100
109 91.7 74.6 112.0





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

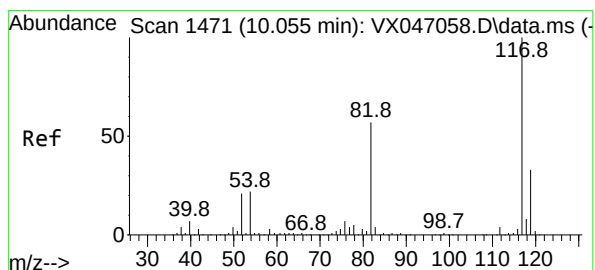
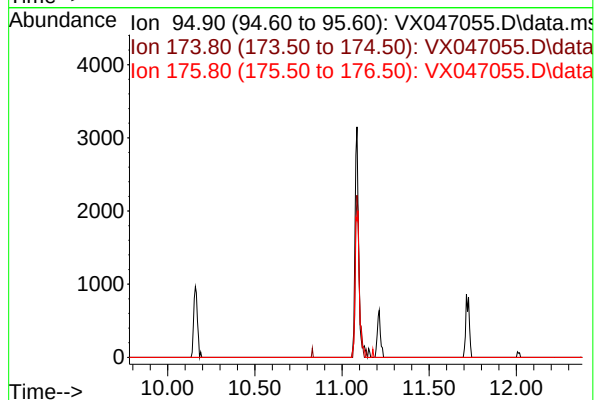
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 95
Sig Exp Ratio
95 100
174 72.3
176 69.8

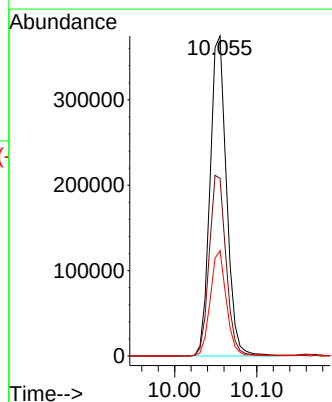
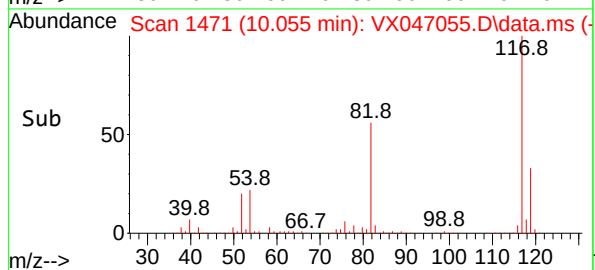
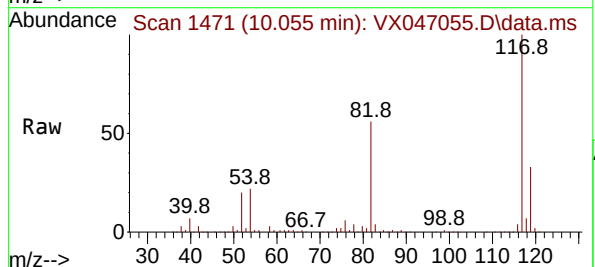
Manual Integrations
APPROVED

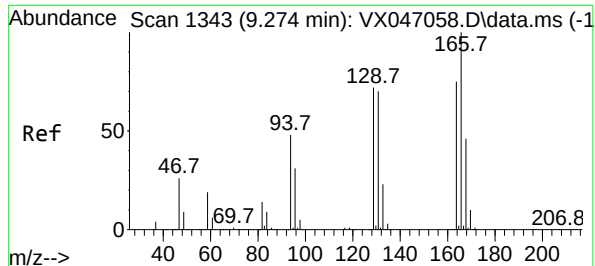
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:117 Resp: 522701
Ion Ratio Lower Upper
117 100
82 55.5 45.4 68.2
119 32.9 26.1 39.1





#64
Tetrachloroethene

Concen: 0.892 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 336

Ion Ratio Lower Upper

164 100

166 128.1 106.2 159.4

129 92.4 76.6 114.8

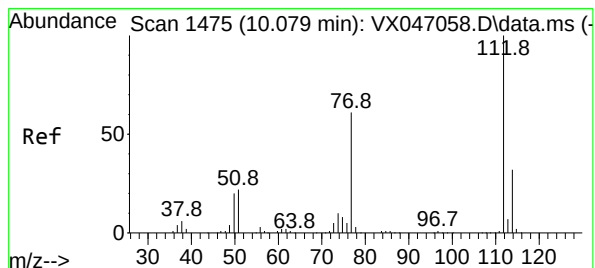
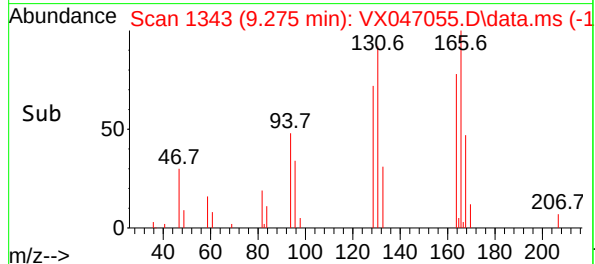
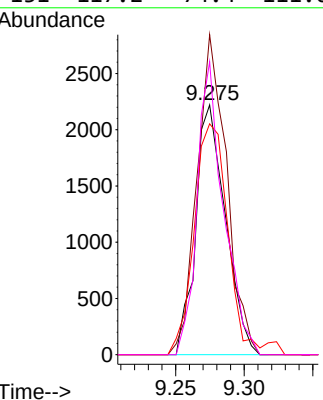
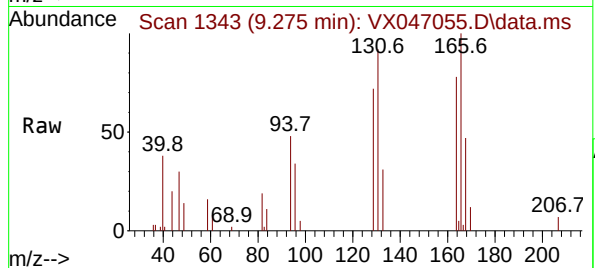
131 117.2 74.4 111.6#

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#65

Chlorobenzene

Concen: 0.878 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX047055.D

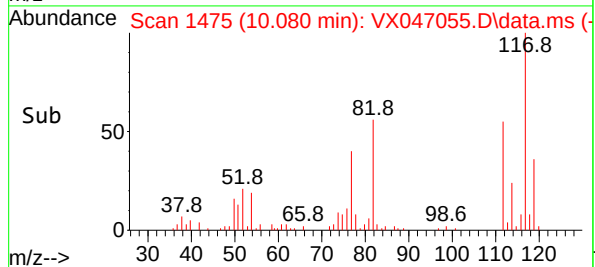
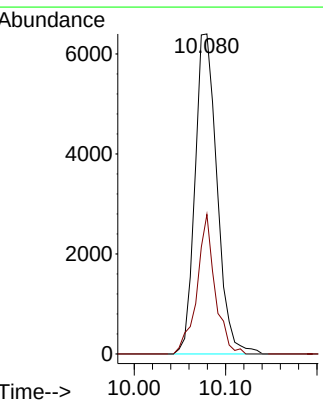
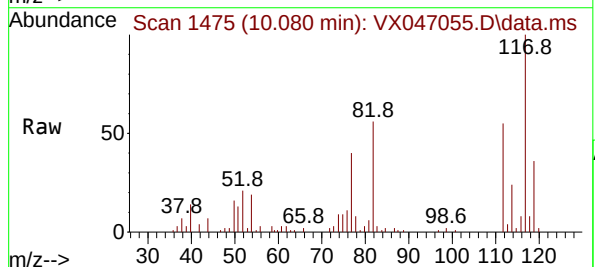
Acq: 21 Jul 2025 09:47

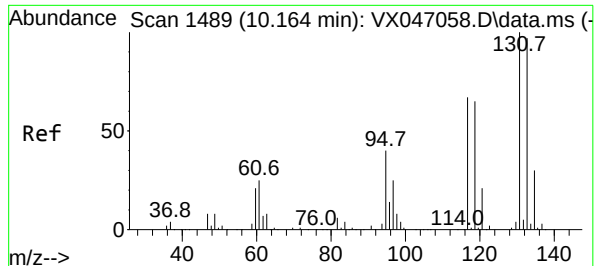
Tgt Ion:112 Resp: 10754

Ion Ratio Lower Upper

112 100

114 43.6 25.8 38.6#





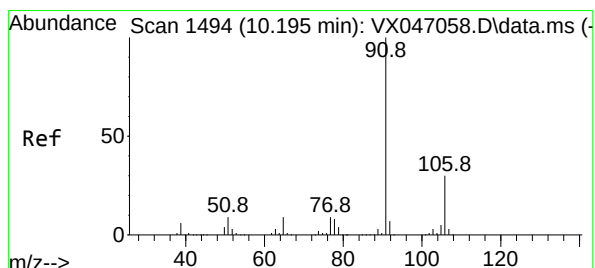
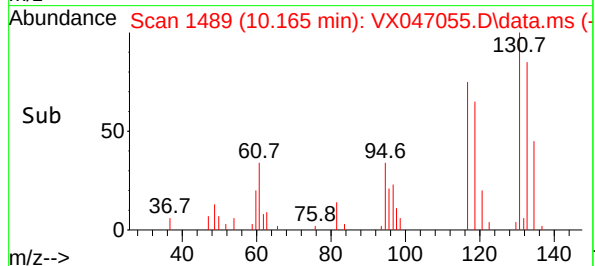
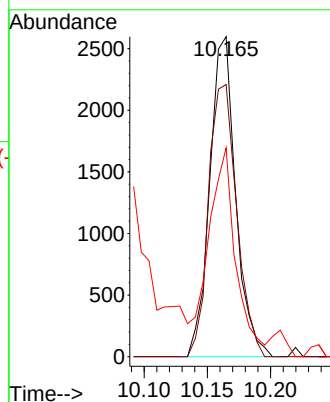
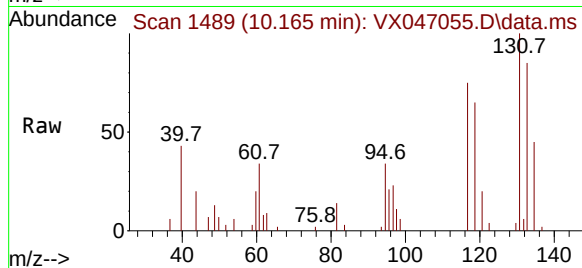
#66
1,1,1,2-Tetrachloroethane
Concen: 0.897 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:131 Resp: 3699
Ion Ratio Lower Upper
131 100
133 92.3 48.4 145.3
119 0.0 32.4 97.0

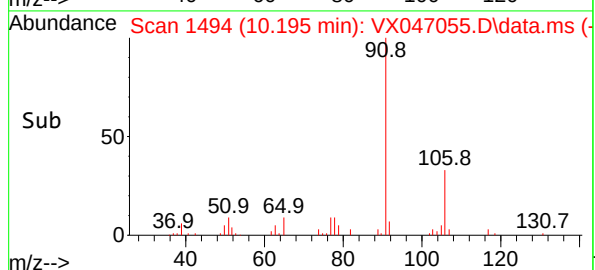
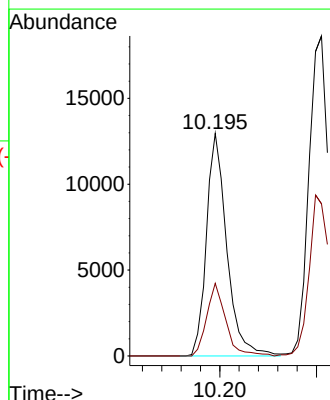
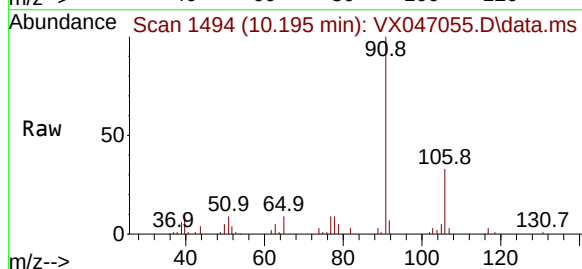
Manual Integrations
APPROVED

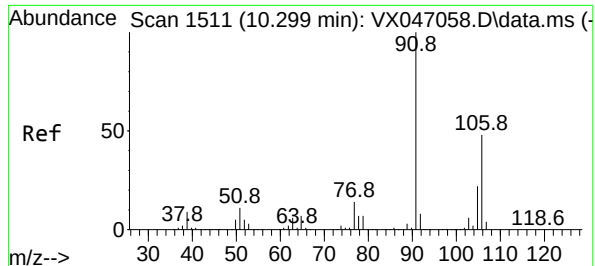
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#67
Ethyl Benzene
Concen: 0.886 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 91 Resp: 18959
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.4





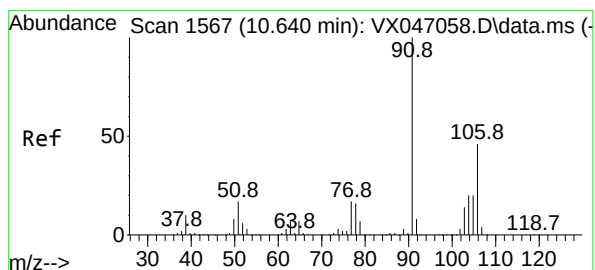
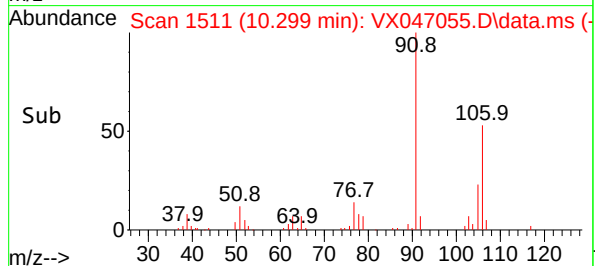
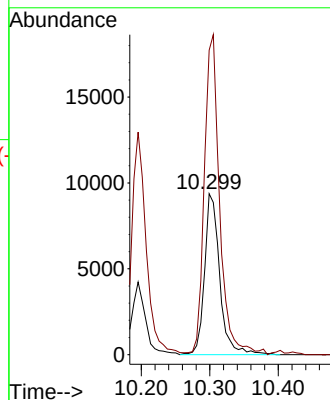
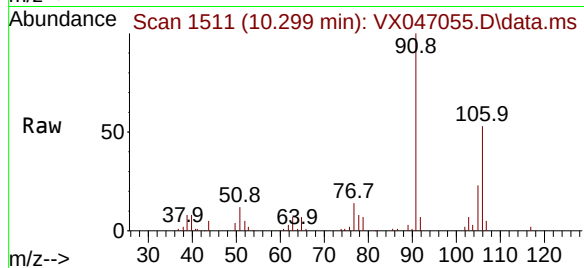
#68
m/p-Xylenes
Concen: 1.809 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 14490
Ion Ratio Lower Upper
106 100
91 200.4 167.4 251.0

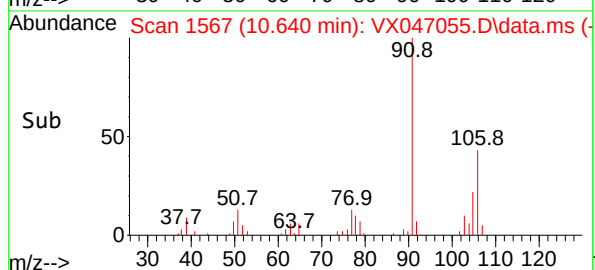
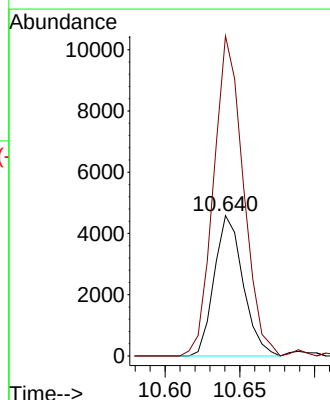
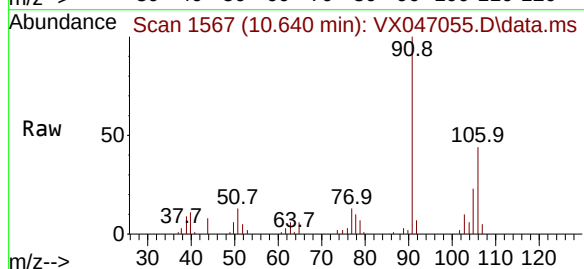
Manual Integrations
APPROVED

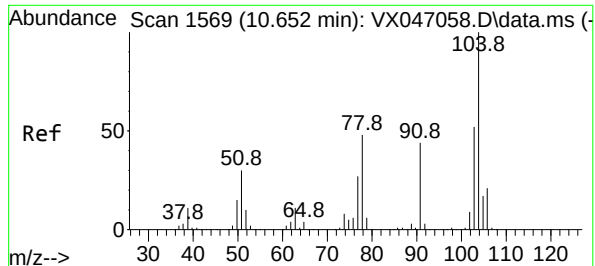
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#69
o-Xylene
Concen: 0.804 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:106 Resp: 6125
Ion Ratio Lower Upper
106 100
91 235.9 110.3 331.0





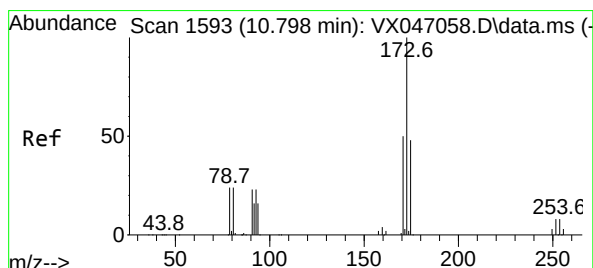
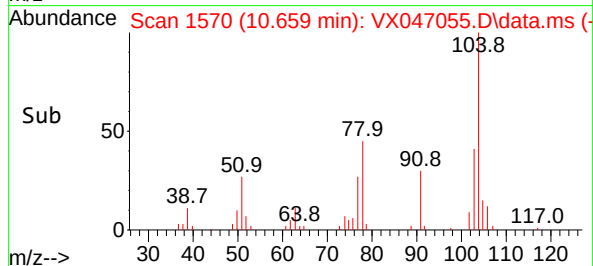
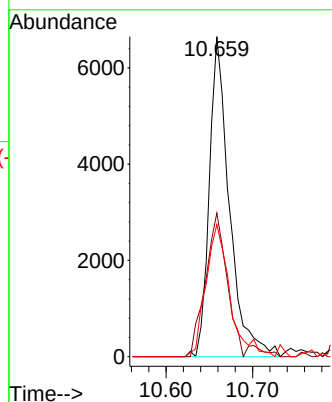
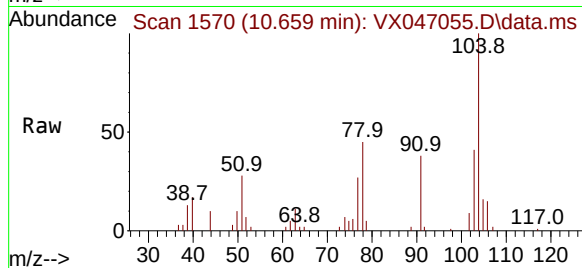
#70
Styrene
Concen: 0.819 ug/l
RT: 10.659 min Scan# 1569
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:104 Resp: 10704
Ion Ratio Lower Upper
104 100
78 48.6 42.0 63.0
103 49.0 43.8 65.6

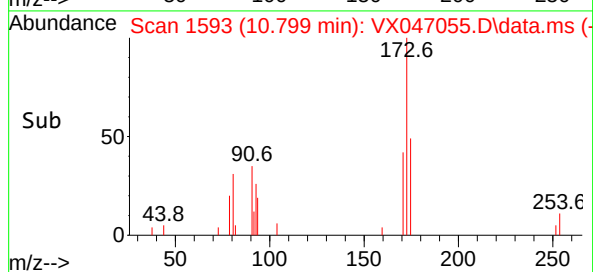
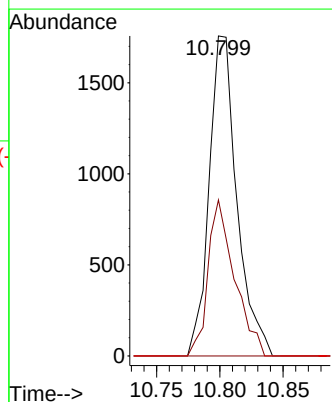
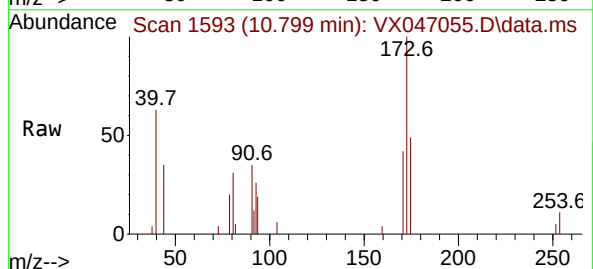
Manual Integrations
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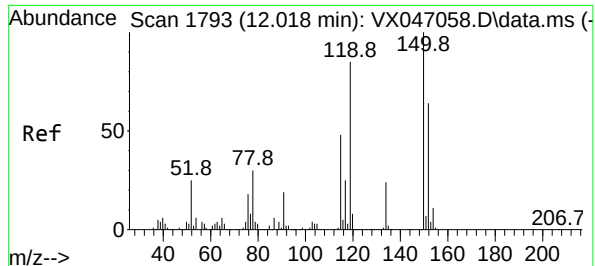
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#71
Bromoform
Concen: 0.858 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:173 Resp: 2687
Ion Ratio Lower Upper
173 100
175 46.5 24.2 72.6
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:152 Resp: 26687

Ion Ratio Lower Upper

152 100

115 61.9 45.6 136.7

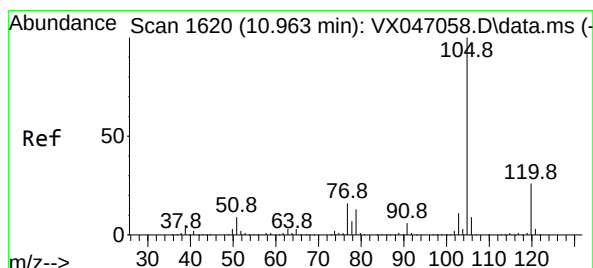
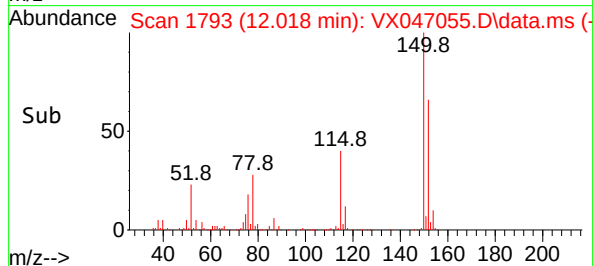
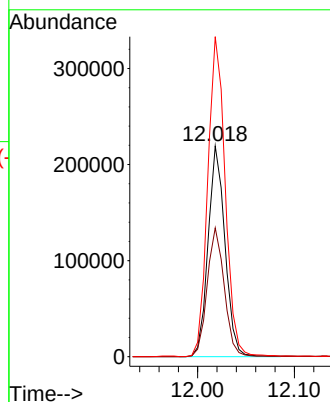
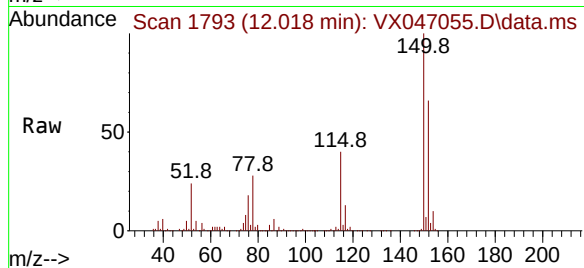
150 157.0 0.0 354.6

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#73

Isopropylbenzene

Concen: 0.806 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX047055.D

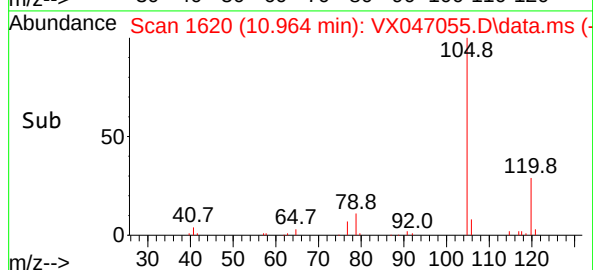
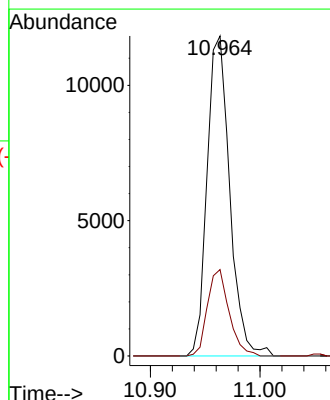
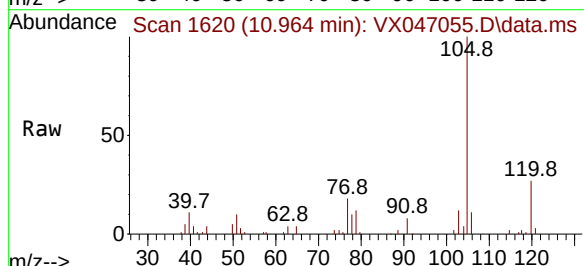
Acq: 21 Jul 2025 09:47

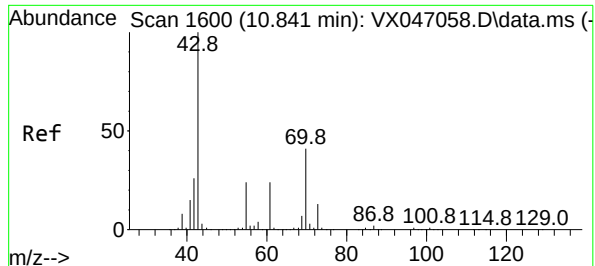
Tgt Ion:105 Resp: 16971

Ion Ratio Lower Upper

105 100

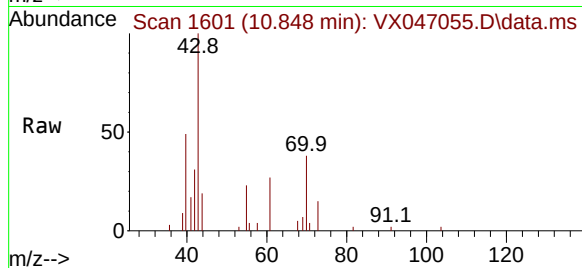
120 25.8 12.9 38.7





#74
N-amy1 acetate
Concen: 0.801 ug/l m
RT: 10.848 min Scan# 1601
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

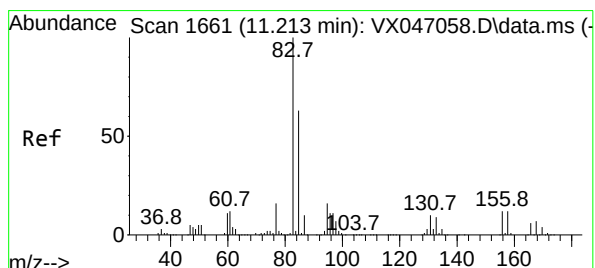
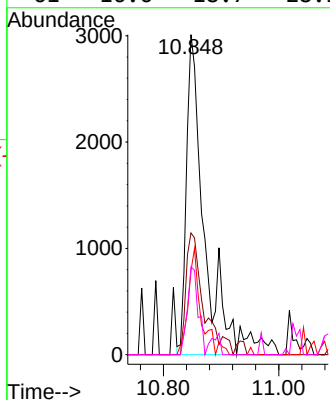
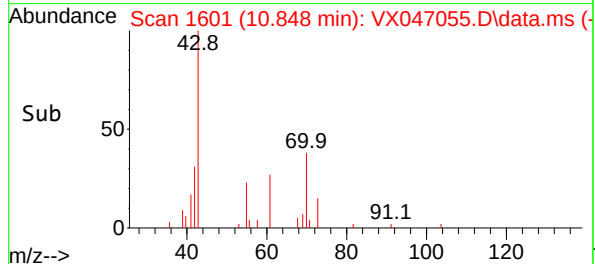
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 6720
Ion Ratio Lower Upper
43 100
70 35.9 32.3 48.5
55 23.1 18.9 28.3
61 16.6 18.7 28.1#

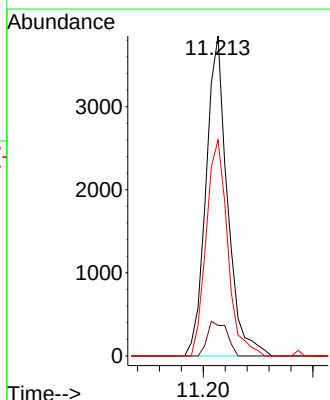
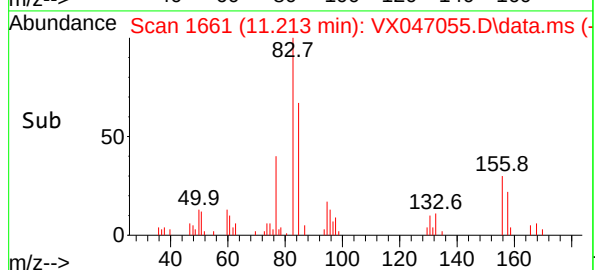
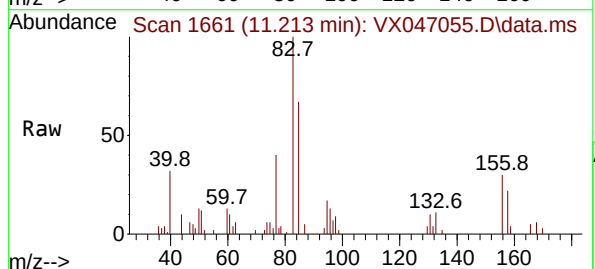
Manual Integrations
APPROVED

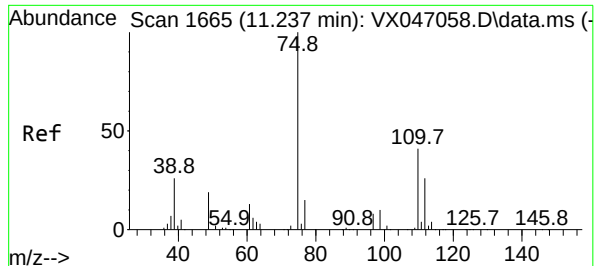
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#75
1,1,2,2-Tetrachloroethane
Concen: 0.868 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

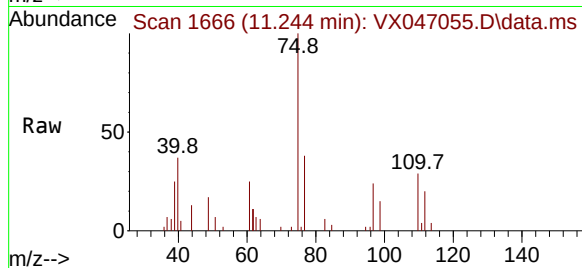
Tgt Ion: 83 Resp: 5223
Ion Ratio Lower Upper
83 100
131 9.9 5.0 14.9
85 67.6 32.0 96.2





#76
1,2,3-Trichloropropane
Concen: 0.814 ug/l m
RT: 11.244 min Scan# 1666
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

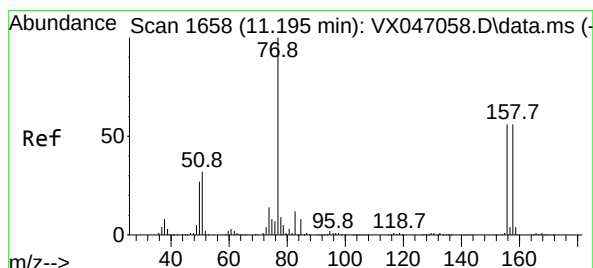
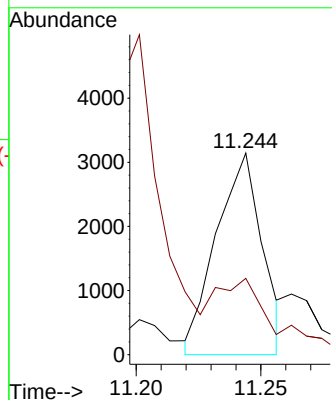
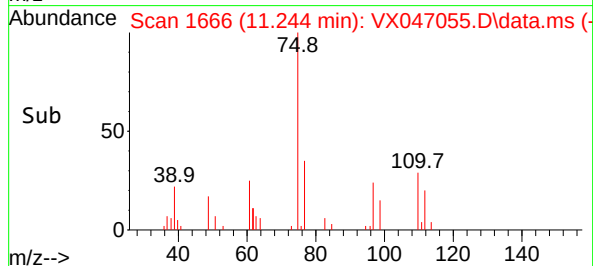
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



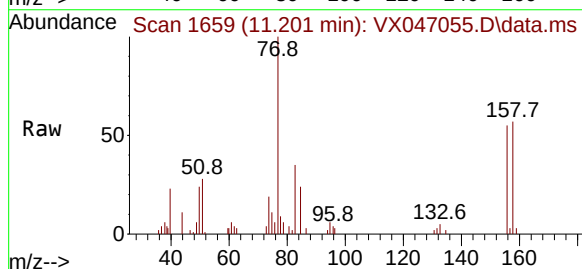
Tgt Ion: 75 Resp: 4019
Ion Ratio Lower Upper
75 100
77 49.1 21.6 65.0

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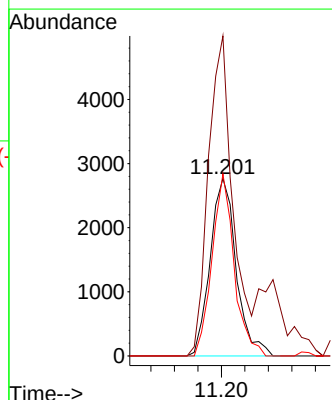
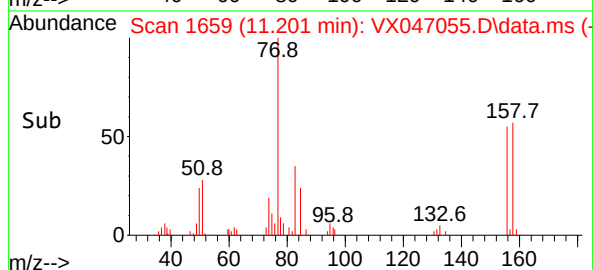
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

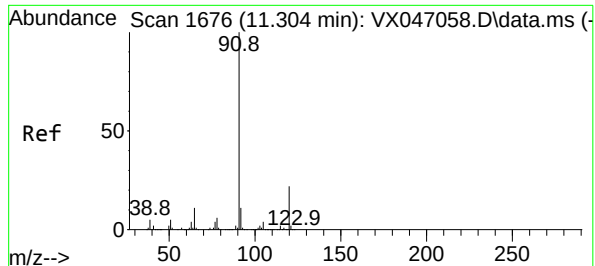


#77
Bromobenzene
Concen: 0.842 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47



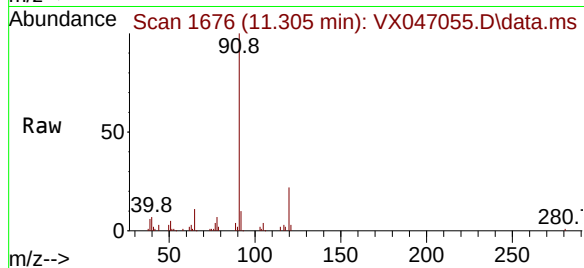
Tgt Ion:156 Resp: 4251
Ion Ratio Lower Upper
156 100
77 168.9 87.3 261.9
158 87.1 48.9 146.6





#78
n-propylbenzene
Concen: 0.805 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

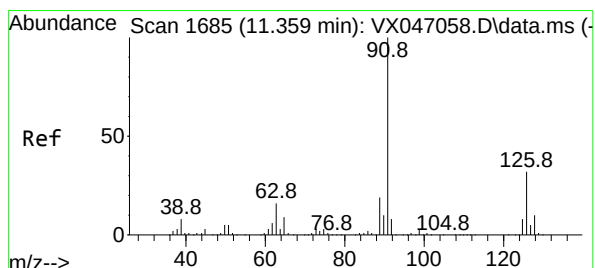
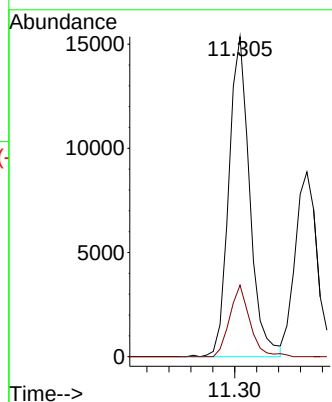
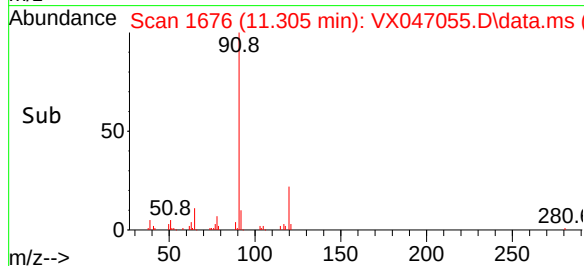
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



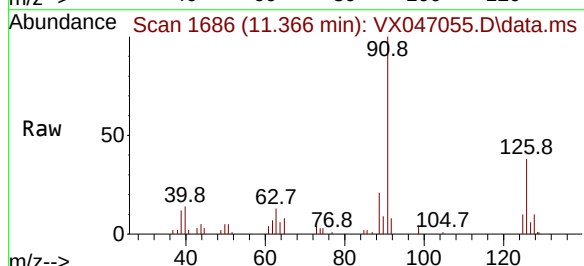
Tgt Ion: 91 Resp: 2025
Ion Ratio Lower Upper
91 100
120 21.7 11.0 33.0

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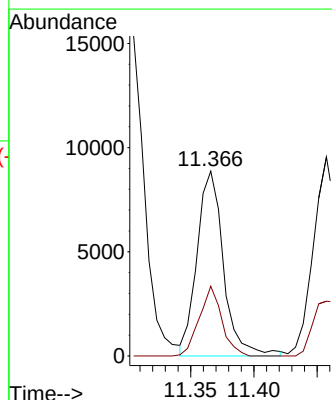
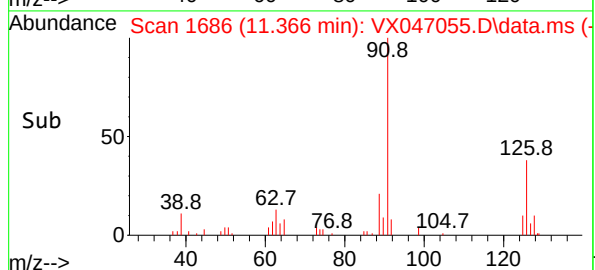
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

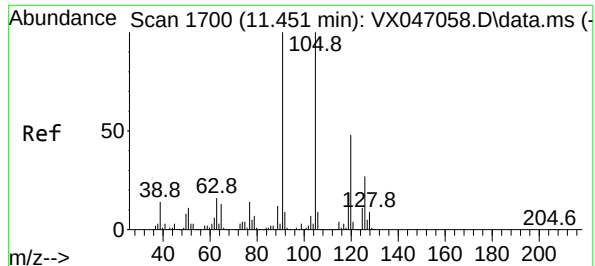


#79
2-Chlorotoluene
Concen: 0.862 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47



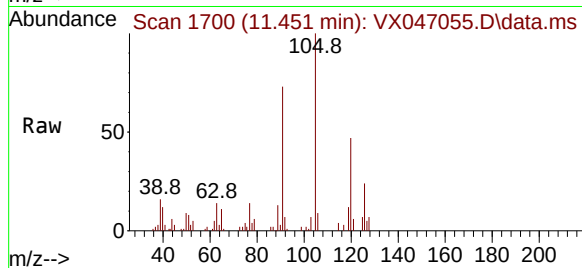
Tgt Ion: 91 Resp: 12959
Ion Ratio Lower Upper
91 100
126 32.0 16.4 49.4





#80
1,3,5-Trimethylbenzene
Concen: 0.810 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

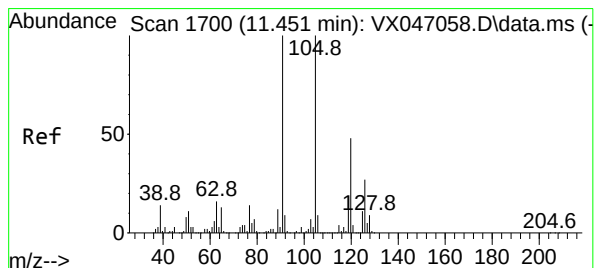
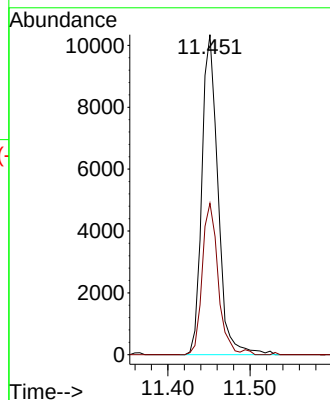
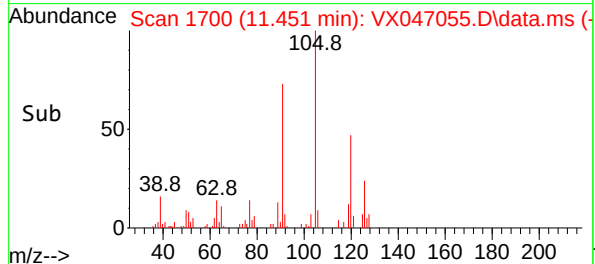
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



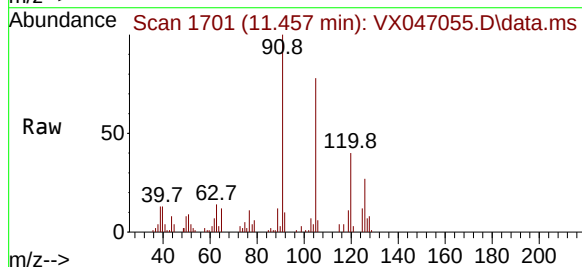
Tgt Ion:105 Resp: 1408
Ion Ratio Lower Upper
105 100
120 46.3 23.8 71.5

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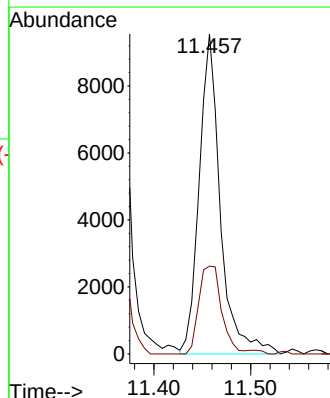
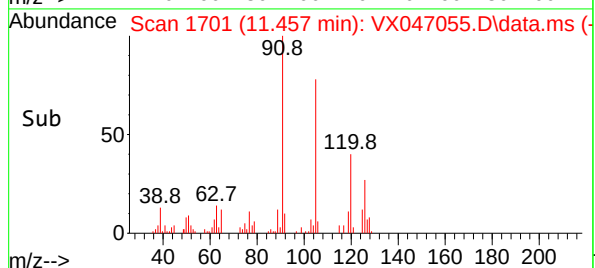
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

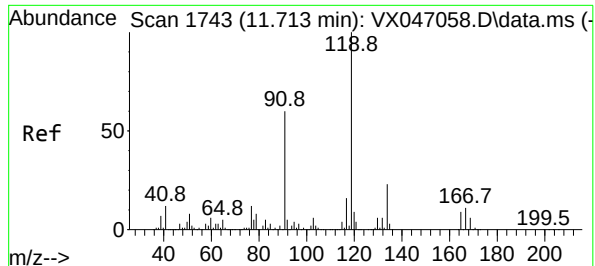


#82
4-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47



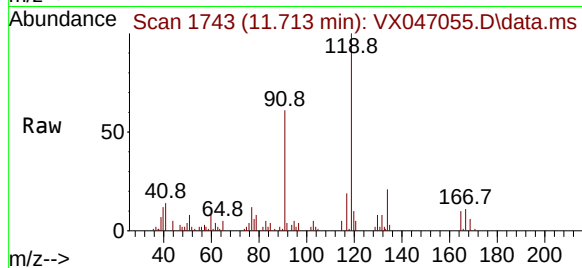
Tgt Ion: 91 Resp: 14521
Ion Ratio Lower Upper
91 100
126 29.6 14.1 42.3





#83
tert-Butylbenzene
Concen: 0.839 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

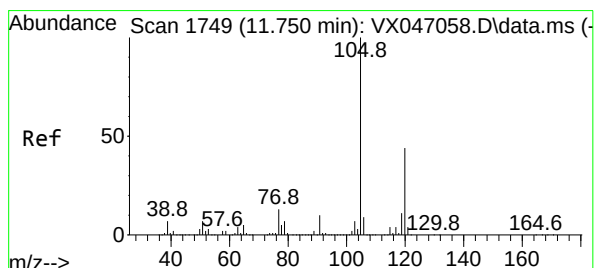
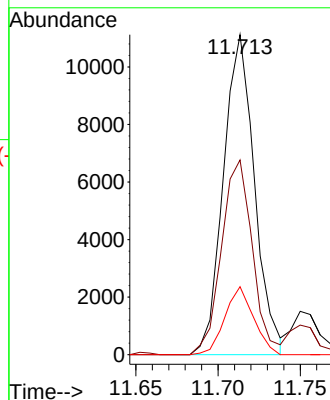
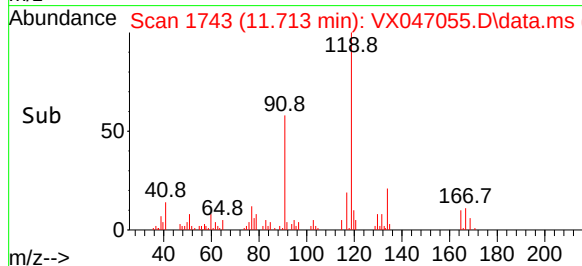
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:119 Resp: 14652
Ion Ratio Lower Upper
119 100
91 60.5 29.6 88.8
134 19.6 11.4 34.1

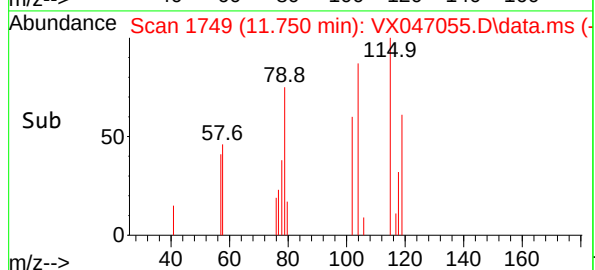
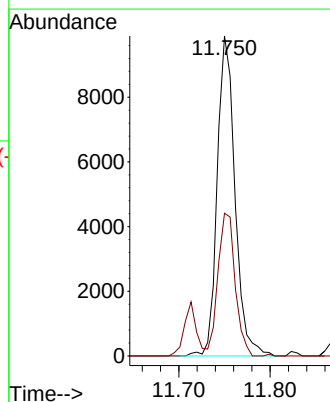
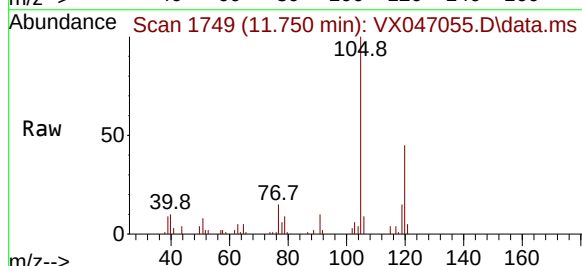
Manual Integrations
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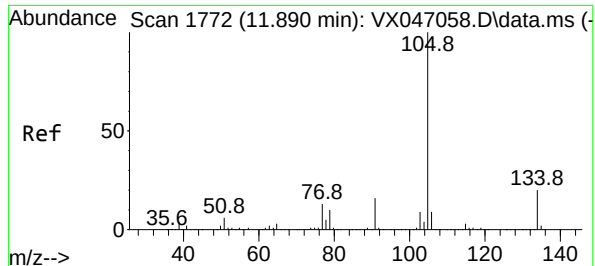
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#84
1,2,4-Trimethylbenzene
Concen: 0.770 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

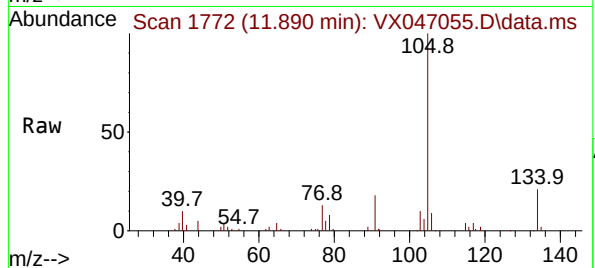
Tgt Ion:105 Resp: 13354
Ion Ratio Lower Upper
105 100
120 43.0 22.0 66.0





#85
sec-Butylbenzene
Concen: 0.814 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

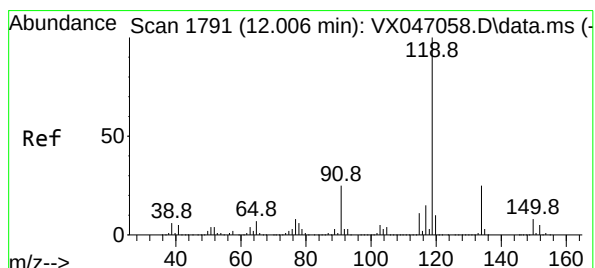
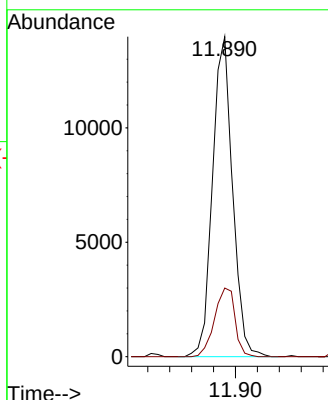
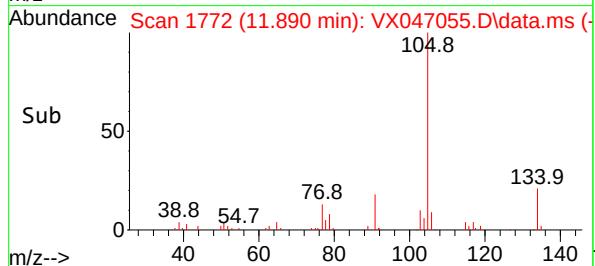
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



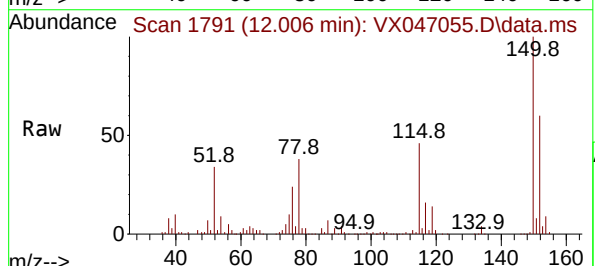
Tgt Ion:105 Resp: 1776
Ion Ratio Lower Upper
105 100
134 21.9 9.9 29.7

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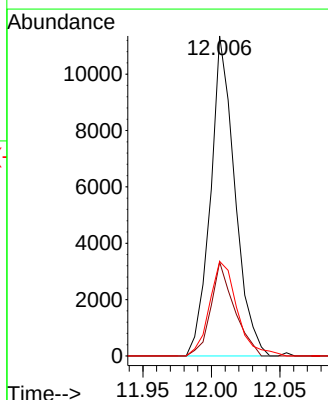
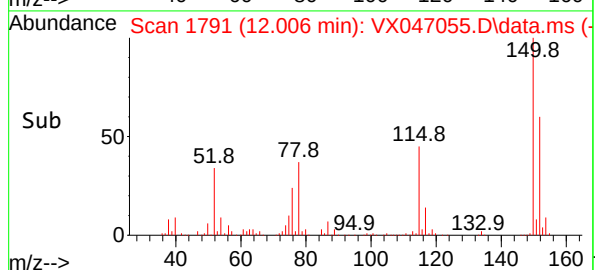
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

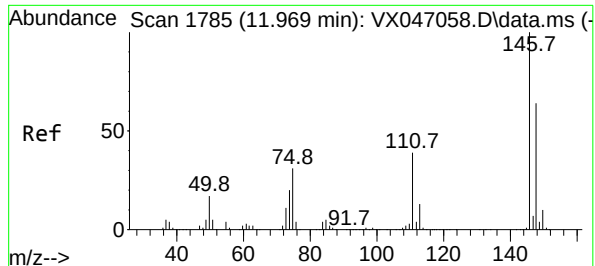


#86
p-Isopropyltoluene
Concen: 0.775 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47



Tgt Ion:119 Resp: 14016
Ion Ratio Lower Upper
119 100
134 28.3 12.8 38.4
91 33.5 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 0.869 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:146 Resp: 833

Ion Ratio Lower Upper

146 100

111 44.9 21.0 63.0

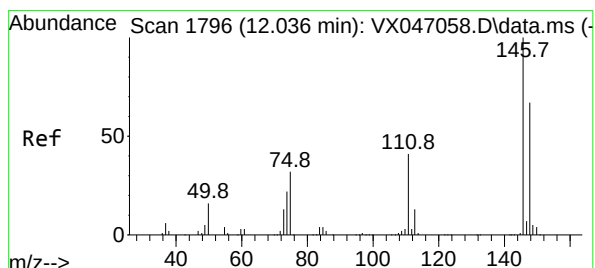
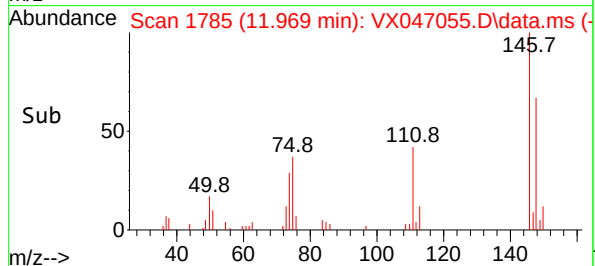
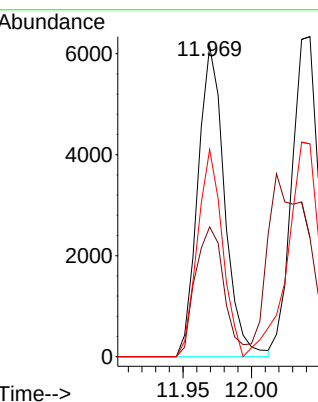
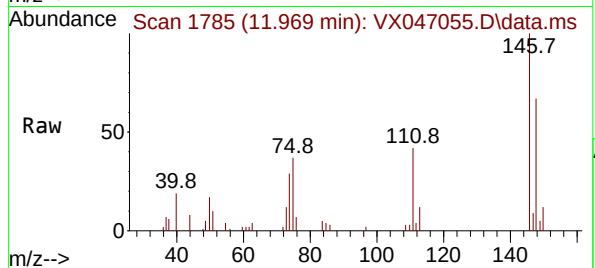
148 62.1 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#88

1,4-Dichlorobenzene

Concen: 0.911 ug/l m

RT: 12.043 min Scan# 1797

Delta R.T. 0.007 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

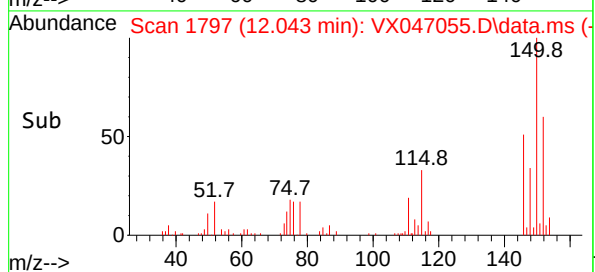
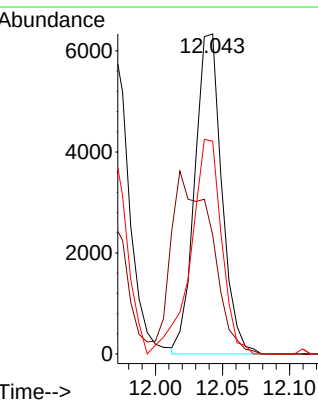
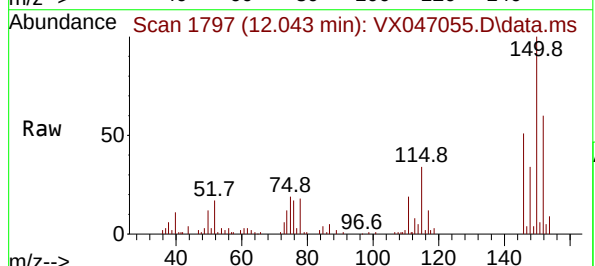
Tgt Ion:146 Resp: 8857

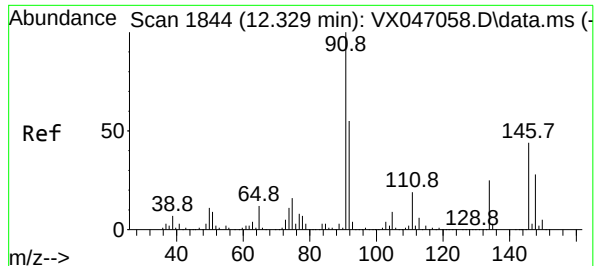
Ion Ratio Lower Upper

146 100

111 42.3 20.6 61.9

148 58.4 33.0 98.9





#89

n-Butylbenzene

Concen: 0.832 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 14110

Ion Ratio Lower Upper

91 100

92 50.6 27.5 82.5

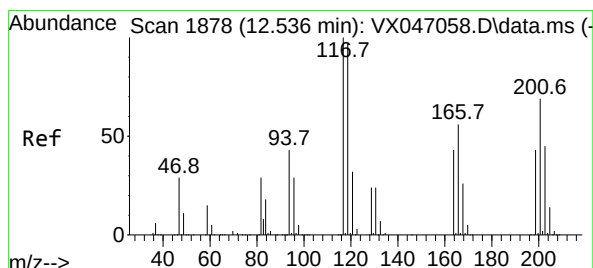
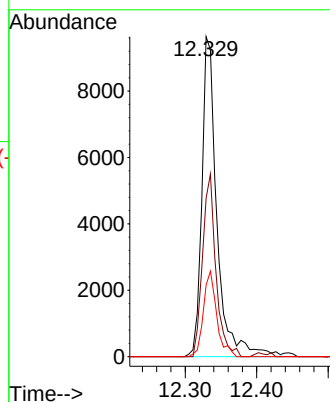
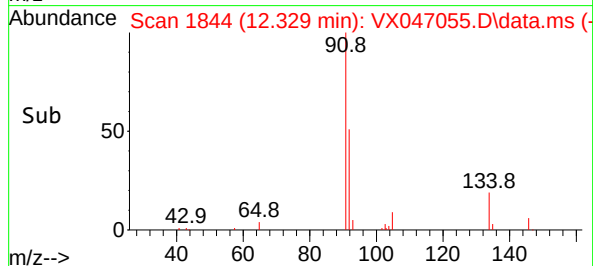
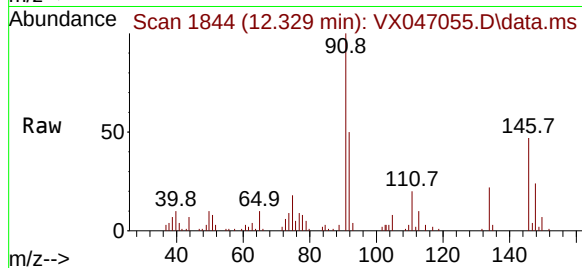
134 23.6 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#90

Hexachloroethane

Concen: 0.857 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX047055.D

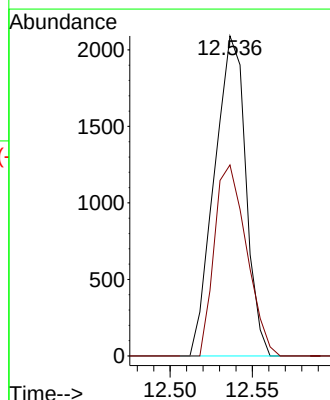
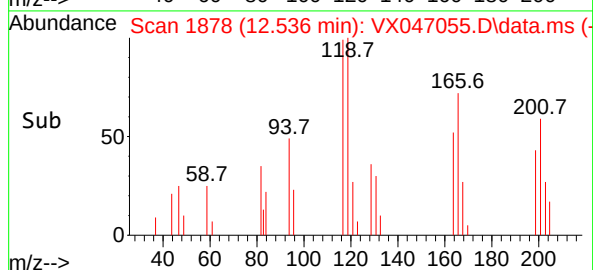
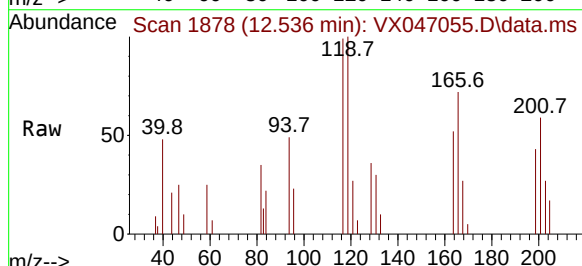
Acq: 21 Jul 2025 09:47

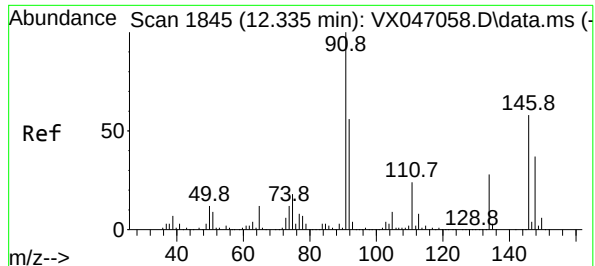
Tgt Ion:117 Resp: 2772

Ion Ratio Lower Upper

117 100

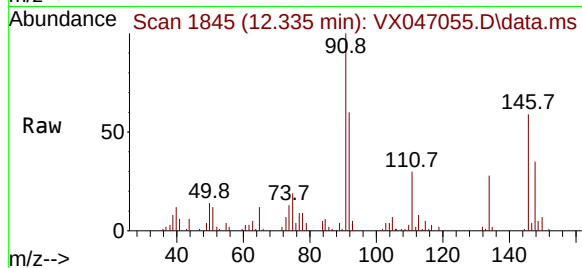
201 61.4 34.8 104.5





#91
1,2-Dichlorobenzene
Concen: 0.892 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

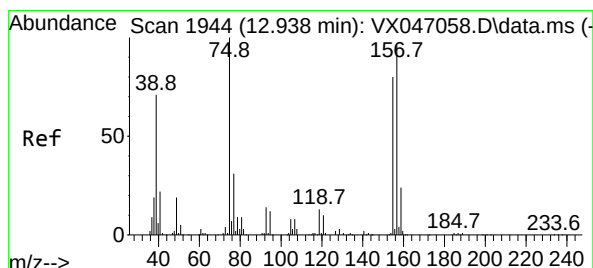
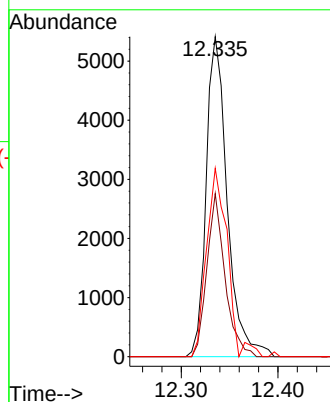
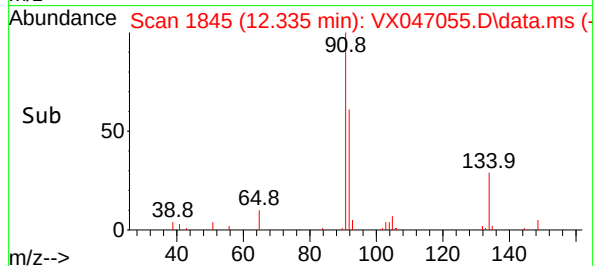
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:146 Resp: 8184
Ion Ratio Lower Upper
146 100
111 44.2 21.6 64.6
148 58.7 31.9 95.7

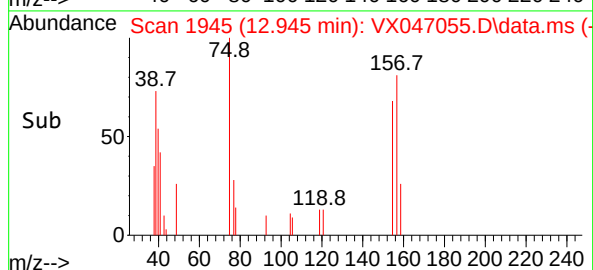
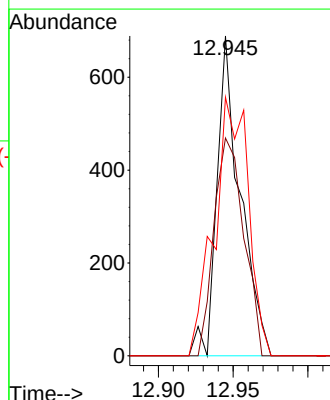
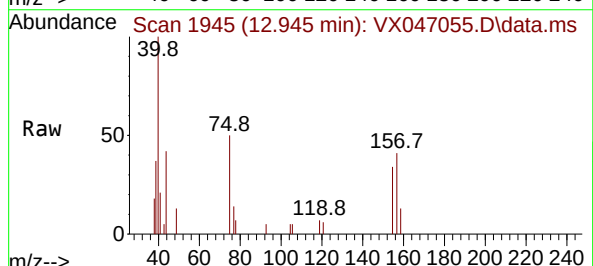
Manual Integrations
APPROVED

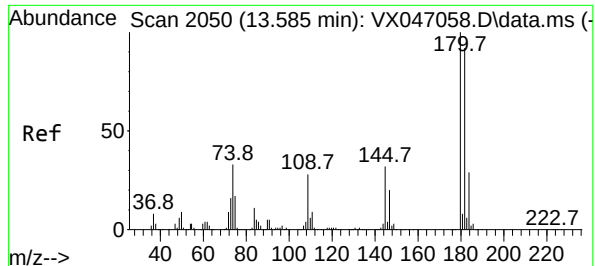
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.649 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 75 Resp: 749
Ion Ratio Lower Upper
75 100
155 86.6 41.3 124.1
157 117.2 52.8 158.3





#93

1,2,4-Trichlorobenzene

Concen: 0.810 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.007 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

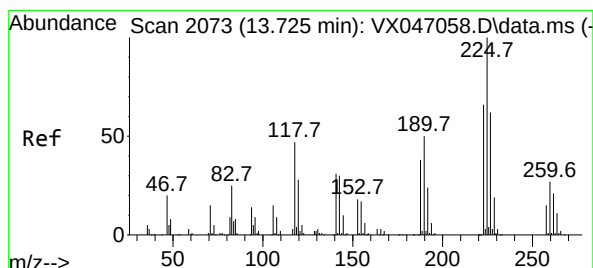
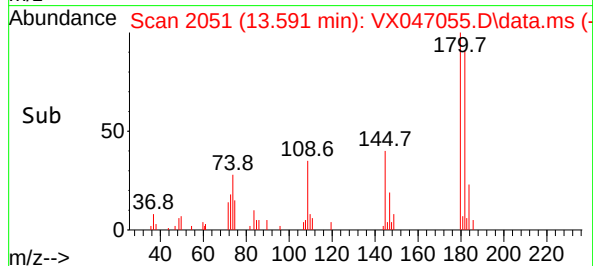
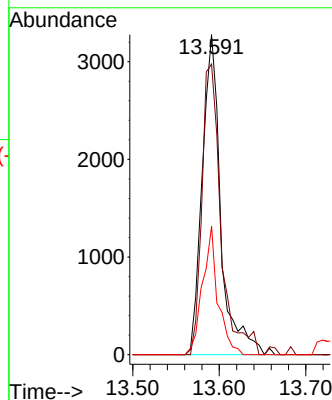
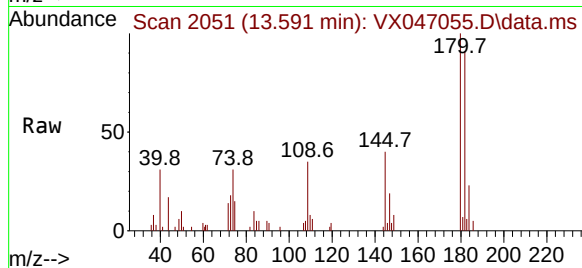
Tgt Ion:180	Resp:	4900
Ion Ratio	Lower	Upper
180	100	
182	92.4	47.3 141.8
145	33.2	16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#94

Hexachlorobutadiene

Concen: 0.866 ug/l

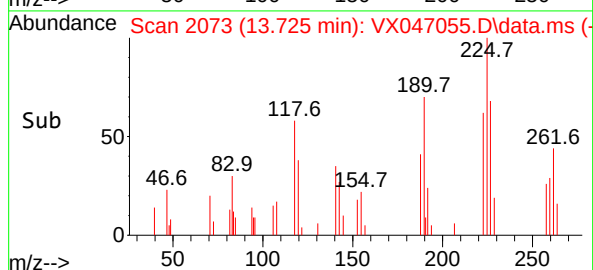
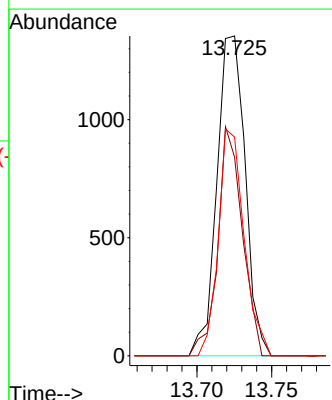
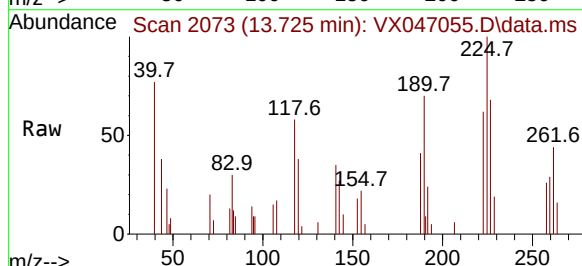
RT: 13.725 min Scan# 2073

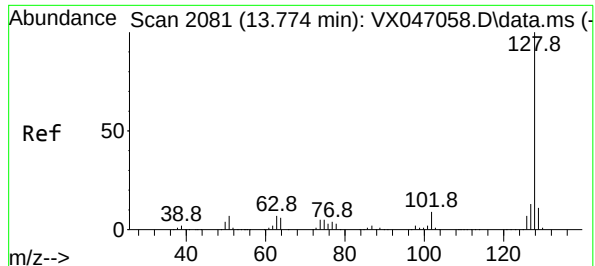
Delta R.T. 0.000 min

Lab File: VX047055.D

Acq: 21 Jul 2025 09:47

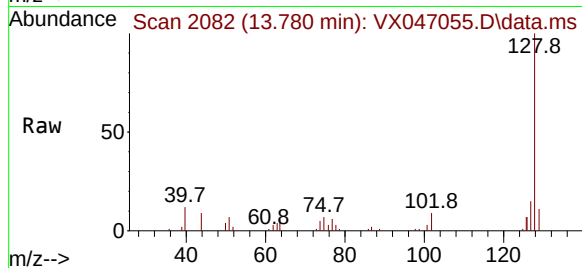
Tgt Ion:225	Resp:	1785
Ion Ratio	Lower	Upper
225	100	
223	61.6	31.6 95.0
227	64.4	32.9 98.6





#95
Naphthalene
Concen: 0.712 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

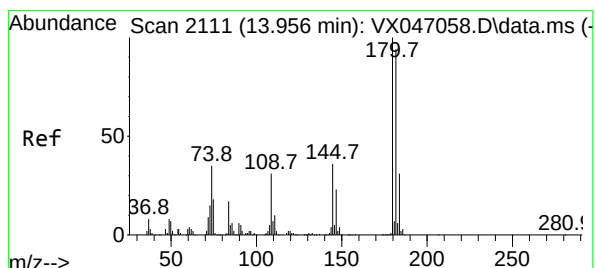
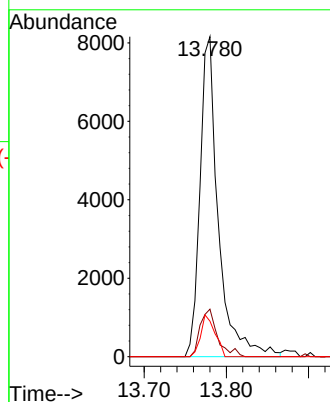
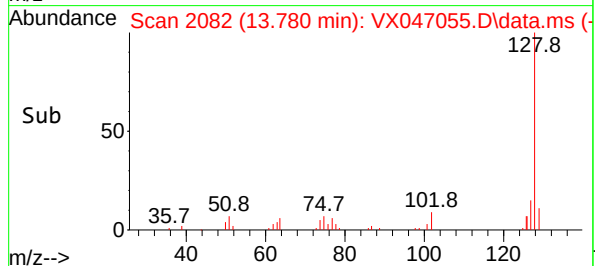
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:128 Resp: 1264
Ion Ratio Lower Upper
128 100
127 14.0 10.1 15.1
129 10.1 8.6 13.0

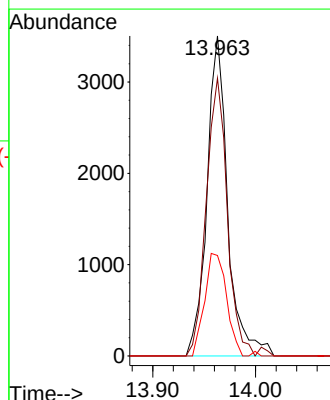
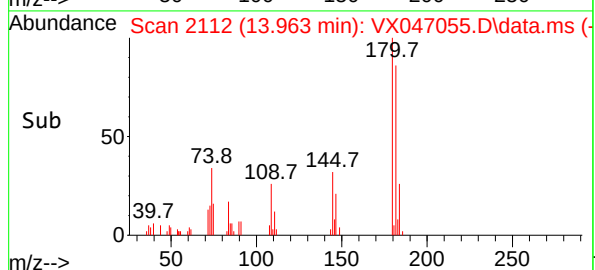
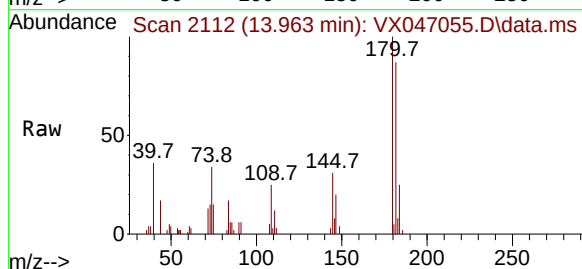
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.846 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:180 Resp: 4936
Ion Ratio Lower Upper
180 100
182 87.3 46.9 140.6
145 33.7 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047056.D
 Acq On : 21 Jul 2025 10:08
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:36:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	319458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	542097	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	488683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	246301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	24550	6.169	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	12.340%#		
35) Dibromofluoromethane	5.403	113	19243	5.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.500%#		
50) Toluene-d8	8.652	98	70081	6.465	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	12.940%#		
62) 4-Bromofluorobenzene	11.079	95	27880	5.968	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.940%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.184	85	20453	4.820	ug/l	95
3) Chloromethane	1.306	50	21331	5.082	ug/l	97
4) Vinyl Chloride	1.385	62	23623	5.236	ug/l	100
5) Bromomethane	1.617	94	13048	5.324	ug/l	88
6) Chloroethane	1.702	64	15411	5.200	ug/l	98
7) Trichlorofluoromethane	1.904	101	35886	5.334	ug/l	96
8) Diethyl Ether	2.148	74	12607	5.315	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	21422	5.285	ug/l	98
10) Methyl Iodide	2.471	142	15201	3.680	ug/l	93
11) Tert butyl alcohol	2.964	59	17392	28.263	ug/l #	92
12) 1,1-Dichloroethene	2.337	96	21053	5.244	ug/l	91
13) Acrolein	2.251	56	21604	25.213	ug/l	99
14) Allyl chloride	2.678	41	38039	5.242	ug/l	99
15) Acrylonitrile	3.074	53	51340	27.051	ug/l	100
16) Acetone	2.391	43	42718	26.796	ug/l	99
17) Carbon Disulfide	2.526	76	61522	5.297	ug/l	100
18) Methyl Acetate	2.721	43	21905	5.171	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	64256	5.259	ug/l	96
20) Methylene Chloride	2.806	84	23989	5.470	ug/l	93
21) trans-1,2-Dichloroethene	3.111	96	22396	5.451	ug/l	96
22) Diisopropyl ether	3.775	45	76458	5.480	ug/l	97
23) Vinyl Acetate	3.739	43	288230	25.756	ug/l	100
24) 1,1-Dichloroethane	3.623	63	42402	5.465	ug/l	96
25) 2-Butanone	4.574	43	60022	25.858	ug/l	97
26) 2,2-Dichloropropane	4.489	77	32298	5.378	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	26579	5.463	ug/l	98
28) Bromochloromethane	4.921	49	19435	5.445	ug/l	96
29) Tetrahydrofuran	5.031	42	39885	26.631	ug/l	96
30) Chloroform	5.110	83	43336	5.487	ug/l	93
31) Cyclohexane	5.482	56	38990	5.241	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	36920	5.382	ug/l	98
36) 1,1-Dichloropropene	5.702	75	28590	5.011	ug/l	98
37) Ethyl Acetate	4.739	43	29112m	5.790	ug/l	
38) Carbon Tetrachloride	5.690	117	33199	5.452	ug/l	97
39) Methylcyclohexane	7.384	83	37547	5.271	ug/l	95
40) Benzene	6.049	78	89797	5.438	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047056.D
 Acq On : 21 Jul 2025 10:08
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/22/2025
 Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:36:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	14018	5.100	ug/l	98
42) 1,2-Dichloroethane	6.092	62	31844	5.475	ug/l	96
43) Isopropyl Acetate	6.354	43	42946	5.240	ug/l	95
44) Trichloroethene	7.134	130	23153	5.468	ug/l	81
45) 1,2-Dichloropropane	7.439	63	22722	5.494	ug/l	93
46) Dibromomethane	7.592	93	16479	5.682	ug/l	97
47) Bromodichloromethane	7.823	83	33939	5.498	ug/l	99
48) Methyl methacrylate	7.701	41	21660	4.851	ug/l	99
49) 1,4-Dioxane	7.671	88	5549	109.271	ug/l #	92
51) 4-Methyl-2-Pentanone	8.573	43	129413	26.565	ug/l	97
52) Toluene	8.720	92	56775	5.592	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	29776	5.108	ug/l	94
54) cis-1,3-Dichloropropene	8.372	75	33127	5.193	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	21223	5.574	ug/l	97
56) Ethyl methacrylate	9.116	69	28587	5.072	ug/l	96
57) 1,3-Dichloropropane	9.311	76	37251	5.629	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	97443	31.066	ug/l	98
59) 2-Hexanone	9.433	43	84572	26.276	ug/l	99
60) Dibromochloromethane	9.518	129	24354	5.454	ug/l	99
61) 1,2-Dibromoethane	9.610	107	21578	5.420	ug/l	98
64) Tetrachloroethene	9.274	164	19701	5.592	ug/l	96
65) Chlorobenzene	10.079	112	63268	5.526	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	20300	5.267	ug/l	99
67) Ethyl Benzene	10.195	91	106984	5.345	ug/l	96
68) m/p-Xylenes	10.299	106	80835	10.791	ug/l	99
69) o-Xylene	10.640	106	40071	5.623	ug/l	94
70) Styrene	10.658	104	66283	5.424	ug/l	100
71) Bromoform	10.798	173	15763	5.384	ug/l #	97
73) Isopropylbenzene	10.963	105	102157	5.257	ug/l	97
74) N-amyl acetate	10.841	43	36965	4.769	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	29627	5.338	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	25285m	5.546	ug/l	
77) Bromobenzene	11.195	156	24549	5.267	ug/l	95
78) n-propylbenzene	11.304	91	124648	5.368	ug/l	100
79) 2-Chlorotoluene	11.365	91	74781	5.387	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	86414	5.383	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7407	4.186	ug/l	86
82) 4-Chlorotoluene	11.457	91	88304	5.450	ug/l	99
83) tert-Butylbenzene	11.713	119	84560	5.248	ug/l	97
84) 1,2,4-Trimethylbenzene	11.749	105	87289	5.451	ug/l	99
85) sec-Butylbenzene	11.890	105	110255	5.477	ug/l	100
86) p-Isopropyltoluene	12.006	119	91112	5.457	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	48466	5.473	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	48817	5.441	ug/l	95
89) n-Butylbenzene	12.329	91	81710	5.219	ug/l	99
90) Hexachloroethane	12.536	117	14794	4.953	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	46129	5.450	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	5485	5.148	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	29296	5.239	ug/l	99
94) Hexachlorobutadiene	13.719	225	9742	5.122	ug/l	91
95) Naphthalene	13.774	128	79568	4.854	ug/l	99
96) 1,2,3-Trichlorobenzene	13.962	180	27584	5.120	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

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

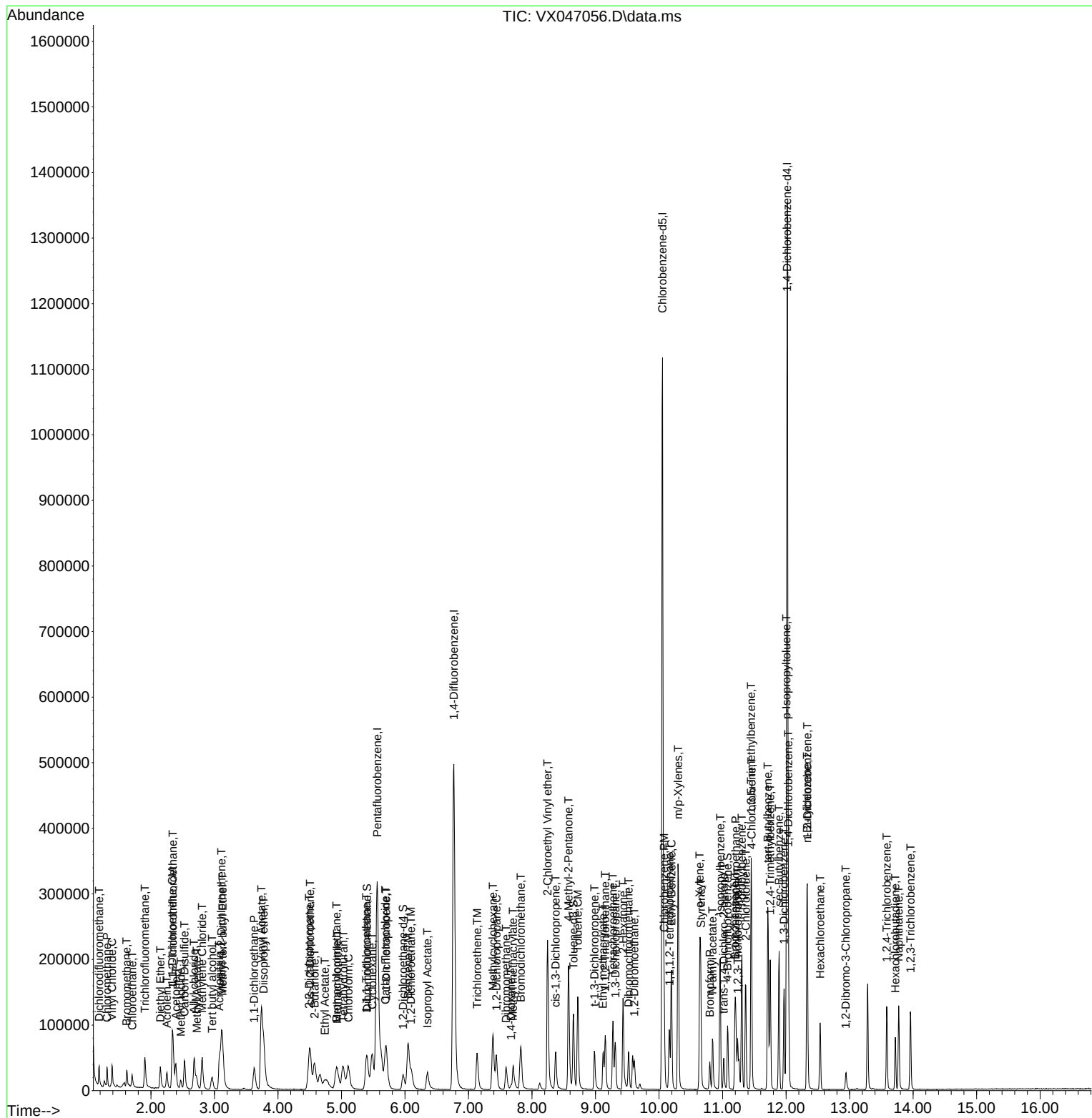
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

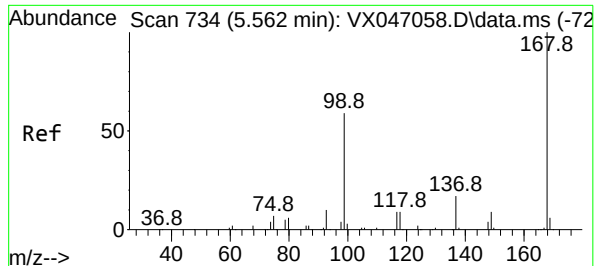
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration





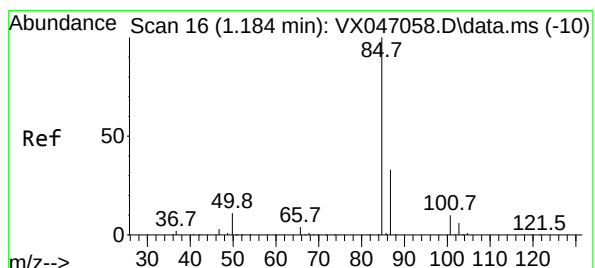
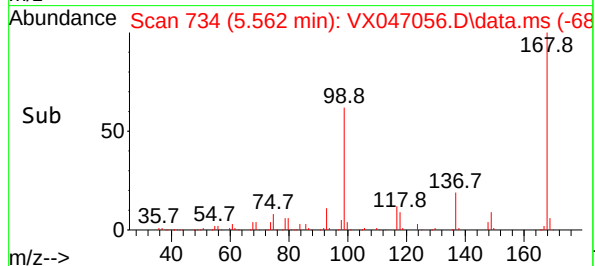
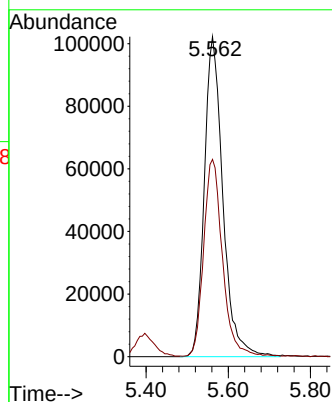
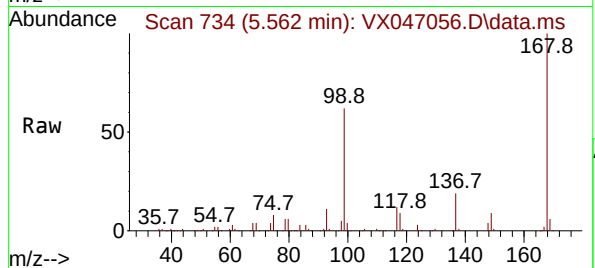
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 319458
Ion Ratio Lower Upper
168 100
99 61.5 48.0 72.0

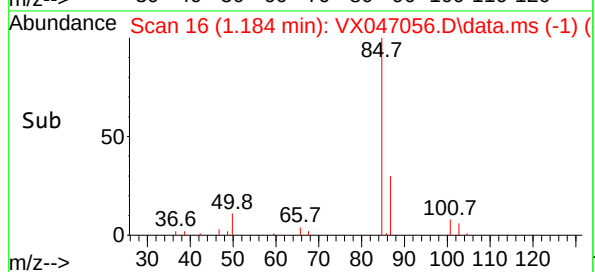
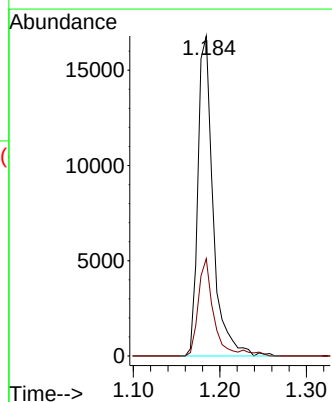
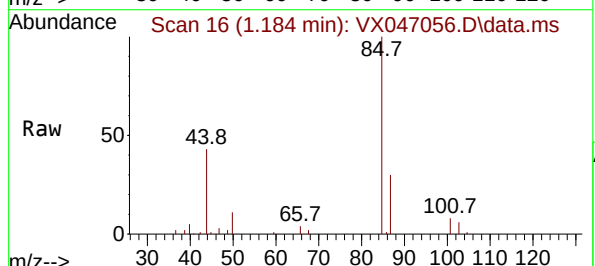
Manual Integrations
APPROVED

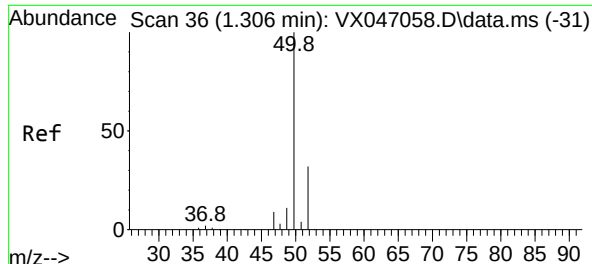
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#2
Dichlorodifluoromethane
Concen: 4.820 ug/l
RT: 1.184 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

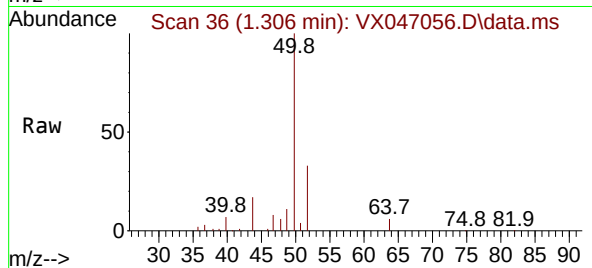
Tgt Ion: 85 Resp: 20453
Ion Ratio Lower Upper
85 100
87 30.4 16.6 49.8





#3
Chloromethane
Concen: 5.082 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

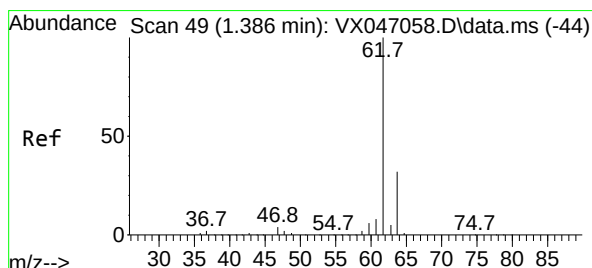
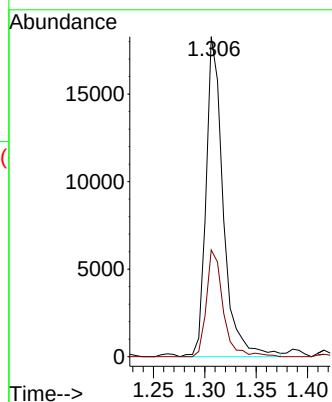
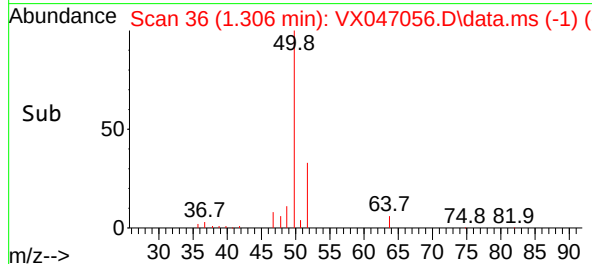
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 50 Resp: 2133
Ion Ratio Lower Upper
50 100
52 33.4 25.4 38.2

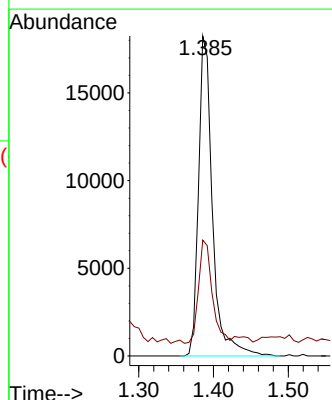
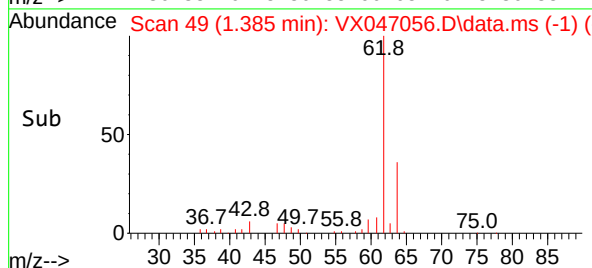
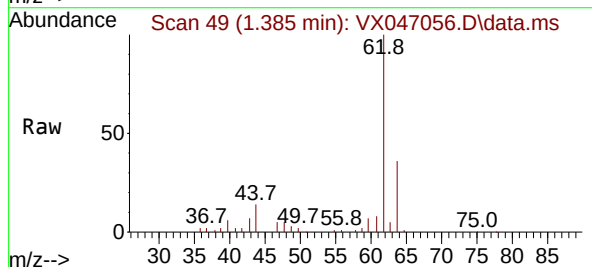
Manual Integrations
APPROVED

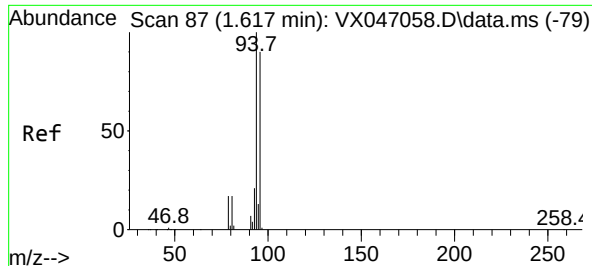
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#4
Vinyl Chloride
Concen: 5.236 ug/l
RT: 1.385 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

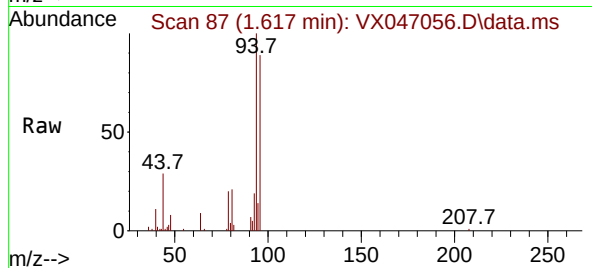
Tgt Ion: 62 Resp: 23623
Ion Ratio Lower Upper
62 100
64 31.3 25.2 37.8





#5
Bromomethane
Concen: 5.324 ug/l
RT: 1.617 min Scan# 87
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

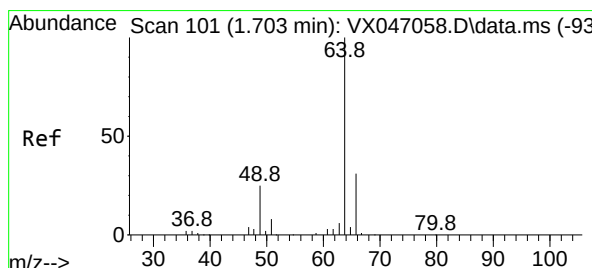
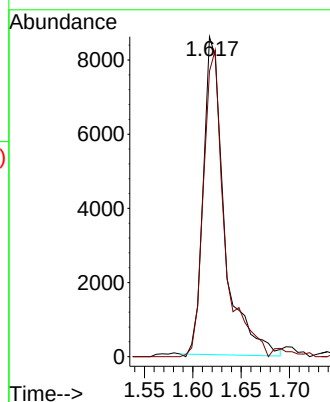
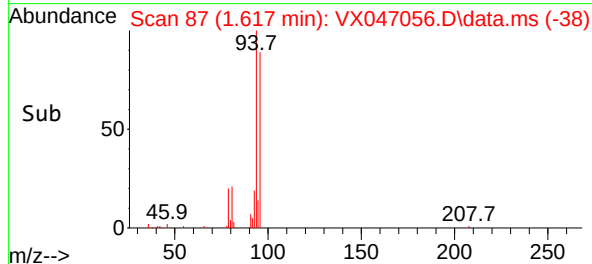
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 94 Resp: 13048
Ion Ratio Lower Upper
94 100
96 79.1 72.3 108.5

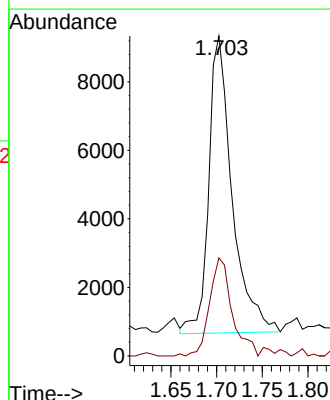
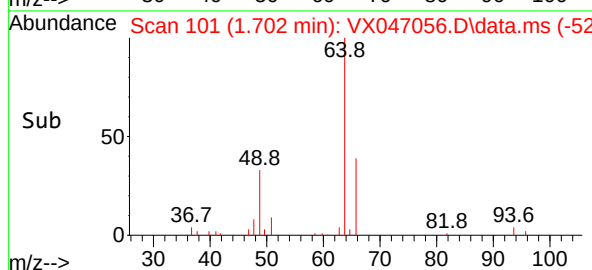
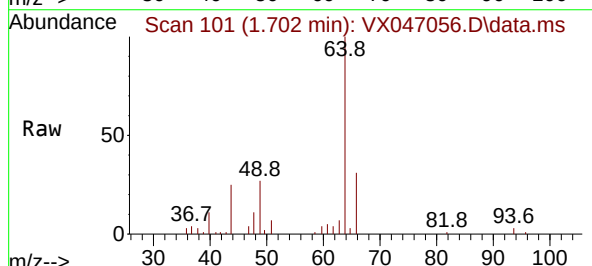
Manual Integrations
APPROVED

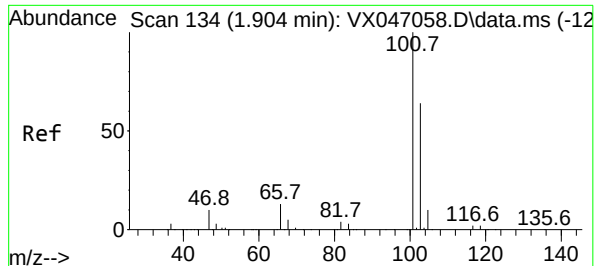
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#6
Chloroethane
Concen: 5.200 ug/l
RT: 1.702 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

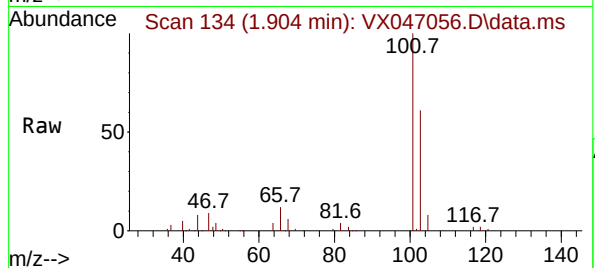
Tgt Ion: 64 Resp: 15411
Ion Ratio Lower Upper
64 100
66 32.5 25.0 37.6





#7
Trichlorofluoromethane
Concen: 5.334 ug/l
RT: 1.904 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

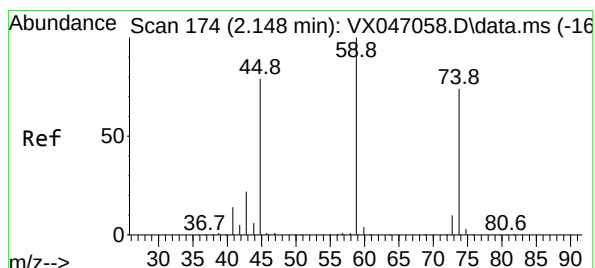
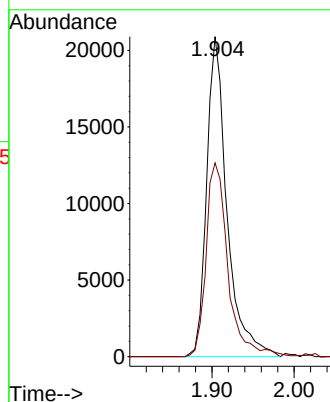
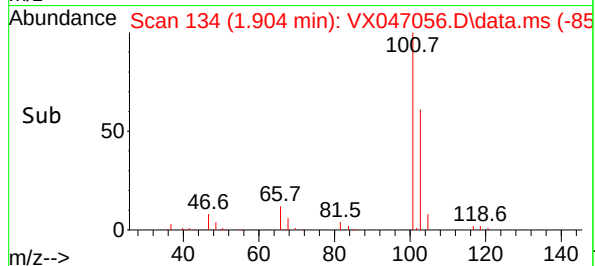
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:101 Resp: 3588
Ion Ratio Lower Upper
101 100
103 60.5 50.9 76.3

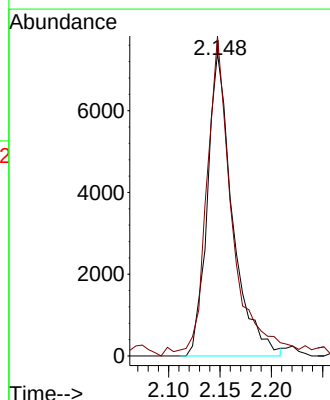
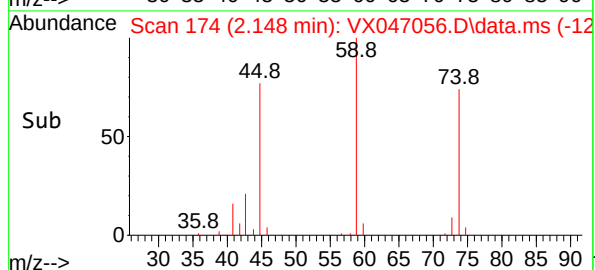
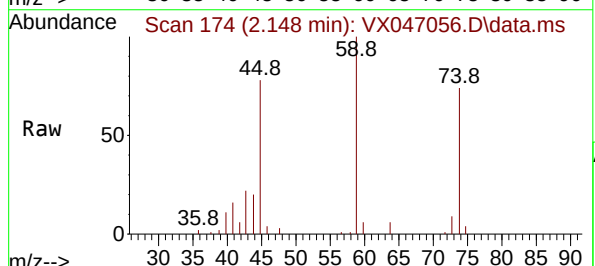
Manual Integrations
APPROVED

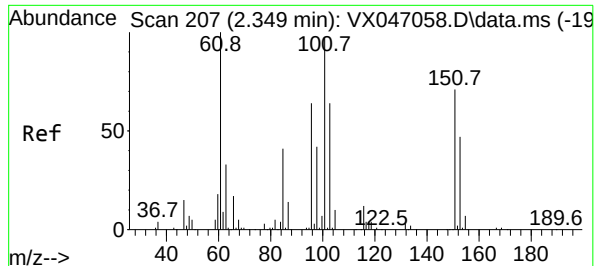
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#8
Diethyl Ether
Concen: 5.315 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 74 Resp: 12607
Ion Ratio Lower Upper
74 100
45 107.9 53.0 159.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.285 ug/l

RT: 2.343 min Scan# 206

Delta R.T. -0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

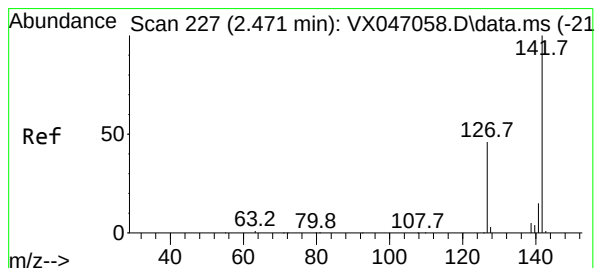
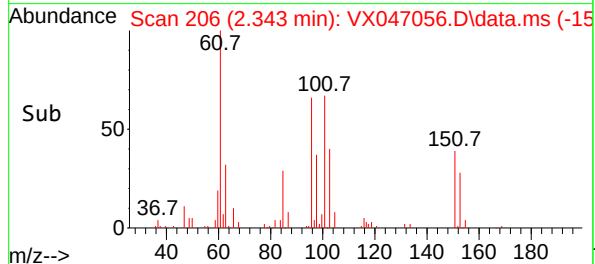
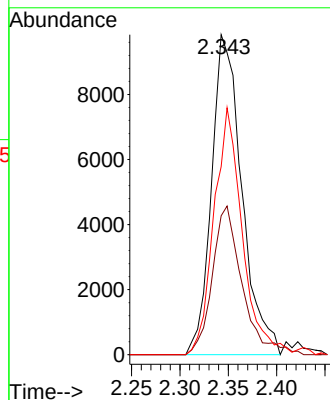
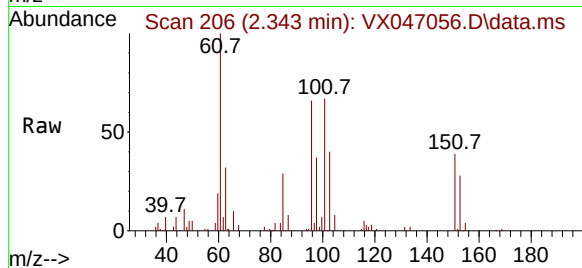
Tgt Ion:	101	Resp:	2142
Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.4	53.0
151	72.1	59.2	88.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#10

Methyl Iodide

Concen: 3.680 ug/l

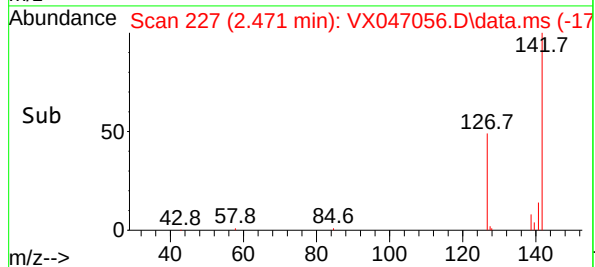
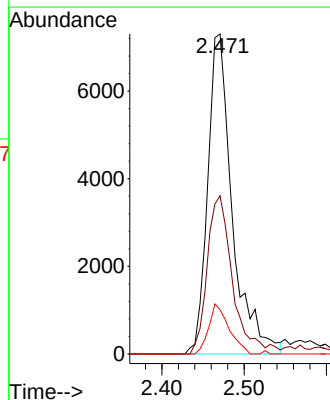
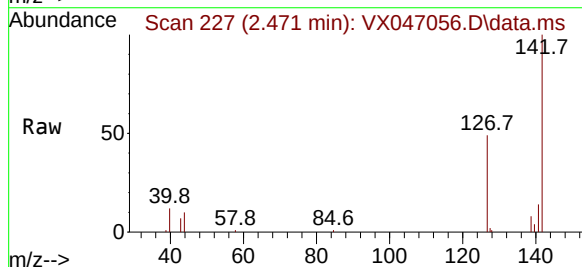
RT: 2.471 min Scan# 227

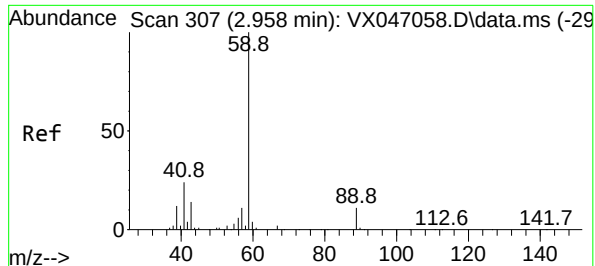
Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

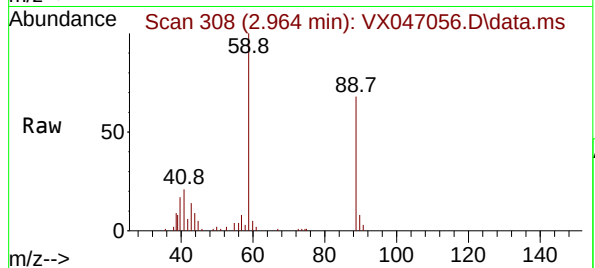
Tgt Ion:	142	Resp:	15201
Ion	Ratio	Lower	Upper
142	100		
127	51.0	36.6	54.8
141	12.8	10.9	16.3





#11
Tert butyl alcohol
Concen: 28.263 ug/l
RT: 2.964 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

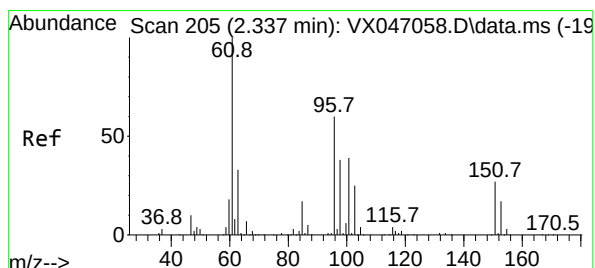
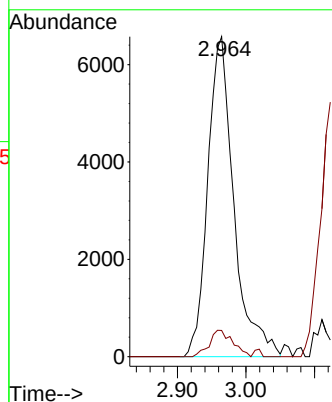
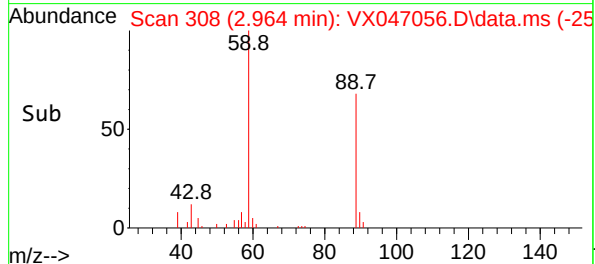
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



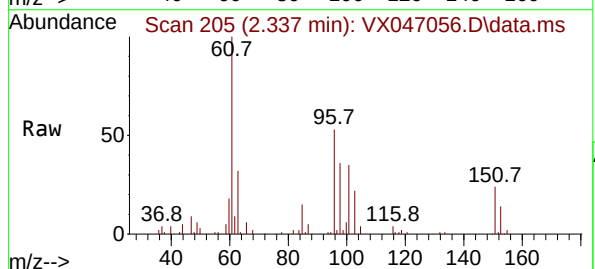
Tgt Ion: 59 Resp: 17392
Ion Ratio Lower Upper
59 100
57 7.4 8.5 12.7

Manual Integrations
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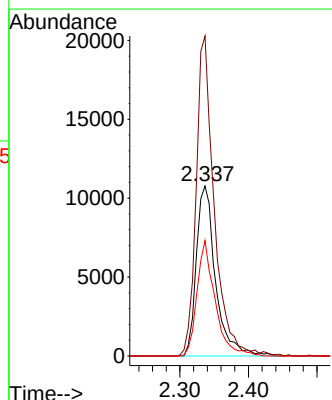
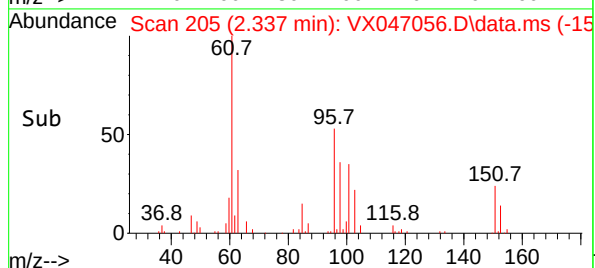
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

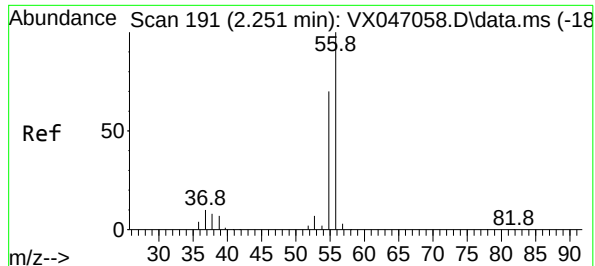


#12
1,1-Dichloroethene
Concen: 5.244 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08



Tgt Ion: 96 Resp: 21053
Ion Ratio Lower Upper
96 100
61 180.6 132.6 198.8
98 65.4 50.2 75.4





#13

Acrolein

Concen: 25.213 ug/l

RT: 2.251 min Scan# 191

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 21604

Ion Ratio Lower Upper

56 100

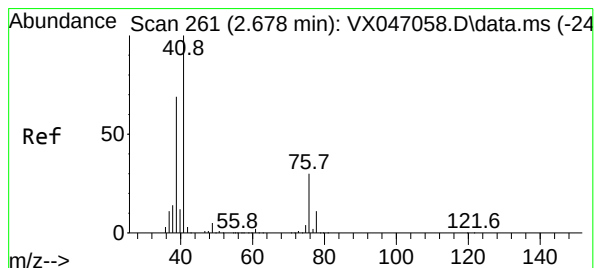
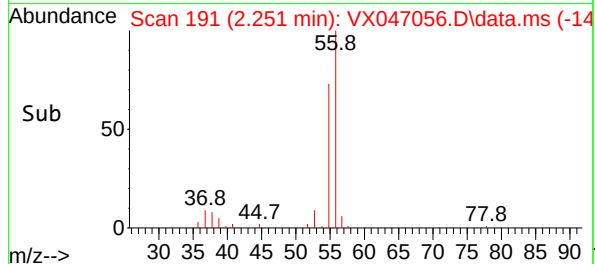
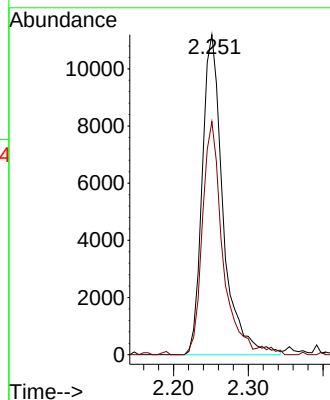
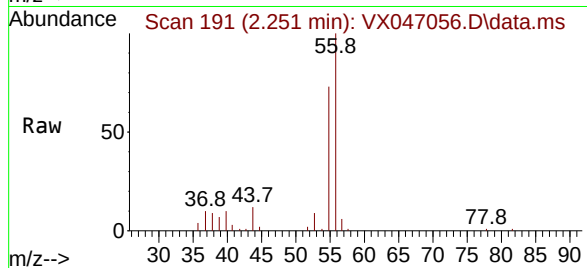
55 70.2 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#14

Allyl chloride

Concen: 5.242 ug/l

RT: 2.678 min Scan# 261

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

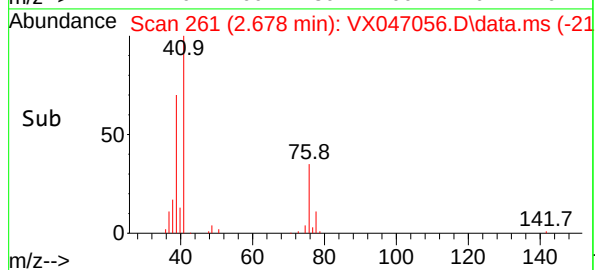
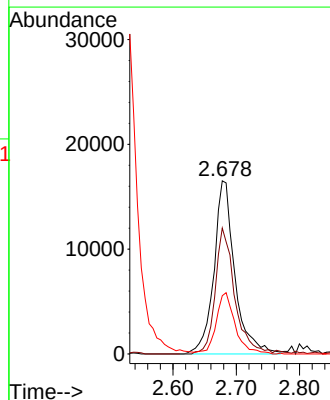
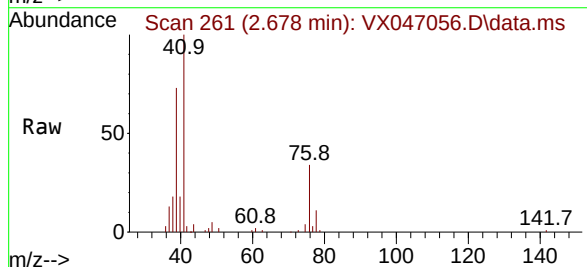
Tgt Ion: 41 Resp: 38039

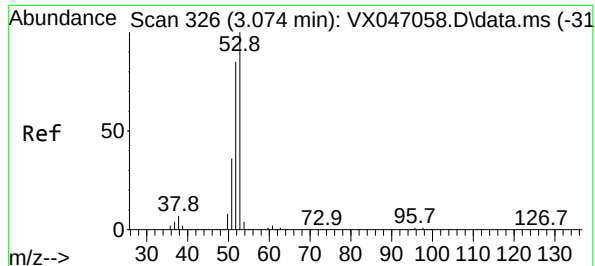
Ion Ratio Lower Upper

41 100

39 67.1 52.6 78.8

76 32.0 25.7 38.5





#15

Acrylonitrile

Concen: 27.051 ug/l

RT: 3.074 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 53 Resp: 51340

Ion Ratio Lower Upper

53 100

52 81.9 65.7 98.5

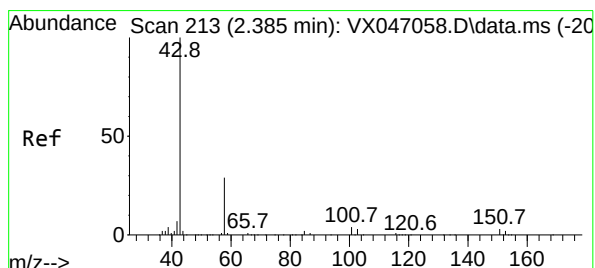
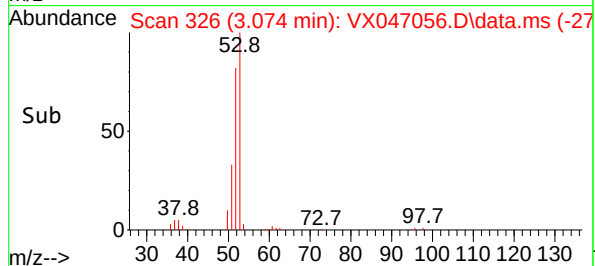
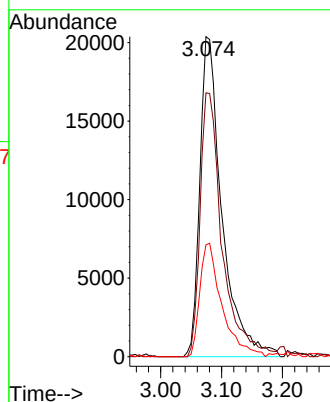
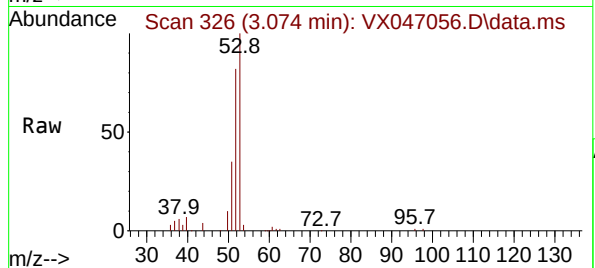
51 35.3 28.8 43.2

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#16

Acetone

Concen: 26.796 ug/l

RT: 2.391 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX047056.D

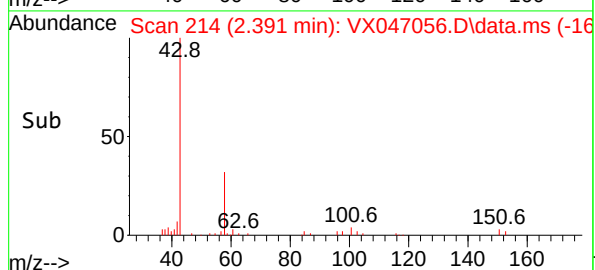
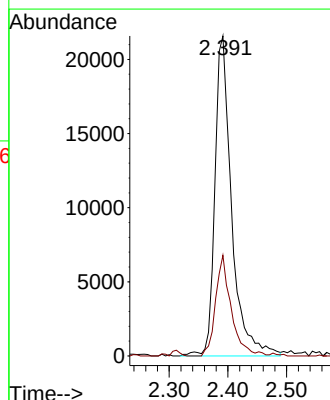
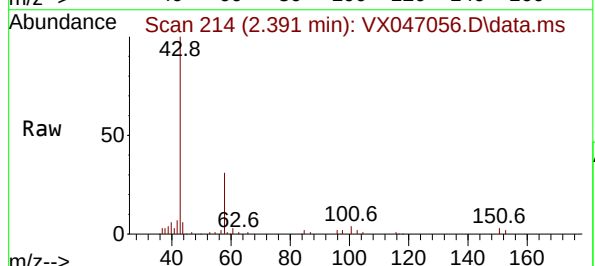
Acq: 21 Jul 2025 10:08

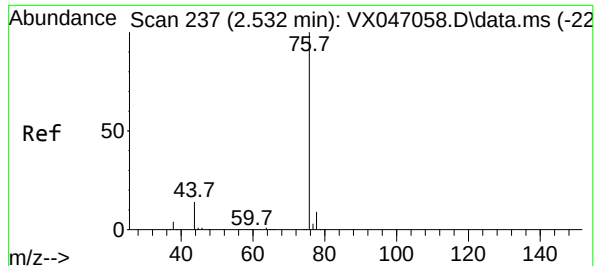
Tgt Ion: 43 Resp: 42718

Ion Ratio Lower Upper

43 100

58 30.3 24.0 36.0





#17

Carbon Disulfide

Concen: 5.297 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 6152

Ion Ratio Lower Upper

76 100

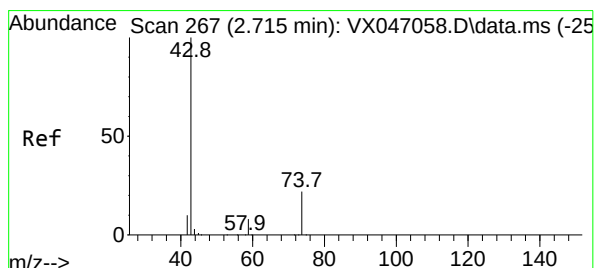
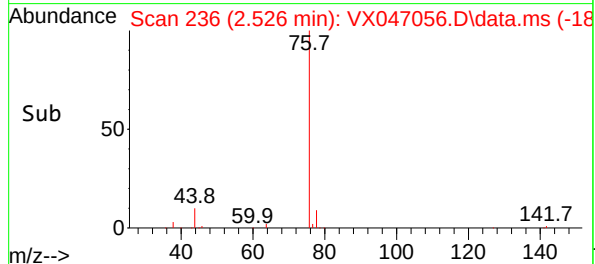
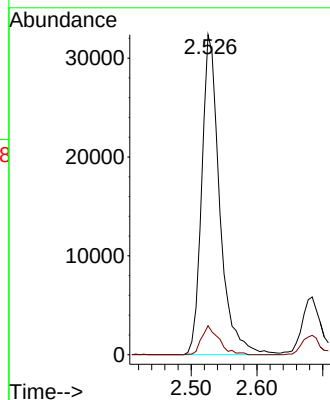
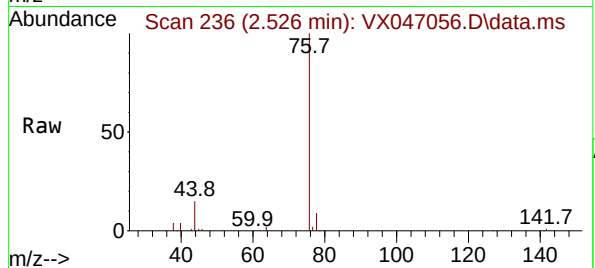
78 8.9 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#18

Methyl Acetate

Concen: 5.171 ug/l

RT: 2.721 min Scan# 268

Delta R.T. 0.006 min

Lab File: VX047056.D

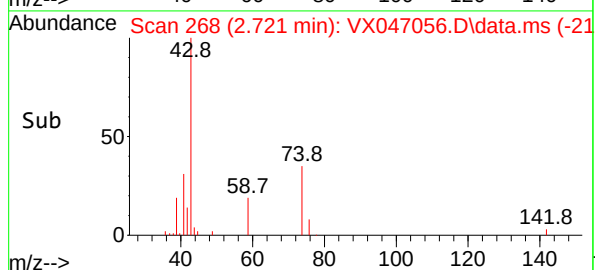
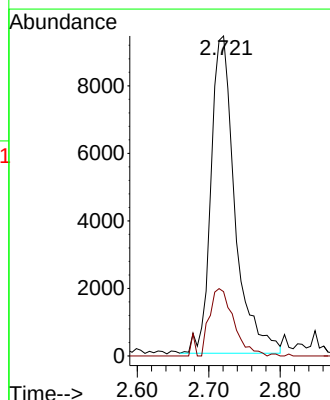
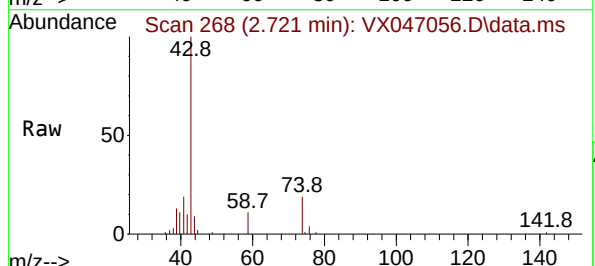
Acq: 21 Jul 2025 10:08

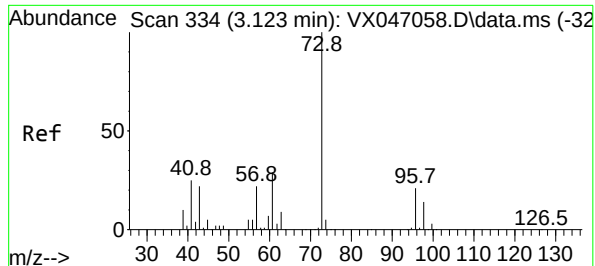
Tgt Ion: 43 Resp: 21905

Ion Ratio Lower Upper

43 100

74 21.4 17.7 26.5





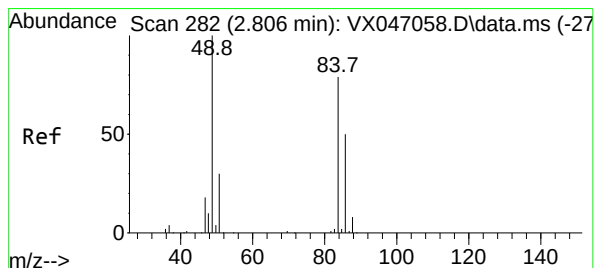
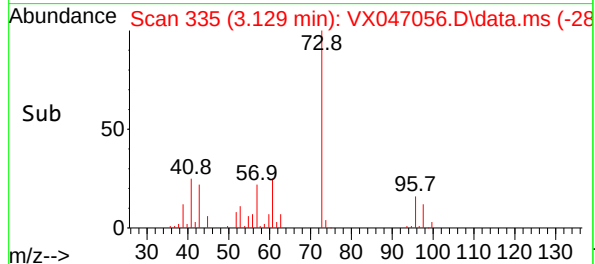
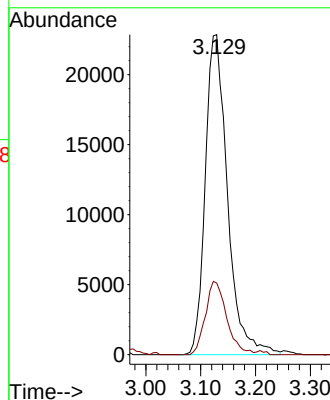
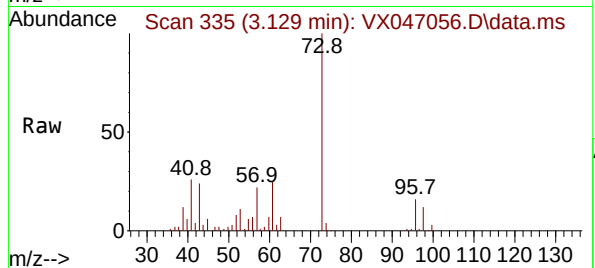
#19
Methyl tert-butyl Ether
Concen: 5.259 ug/l
RT: 3.129 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 64250
Ion Ratio Lower Upper
73 100
57 23.8 17.7 26.5

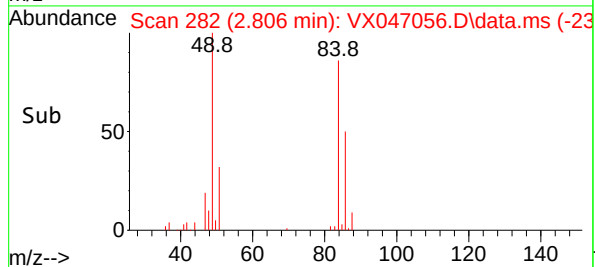
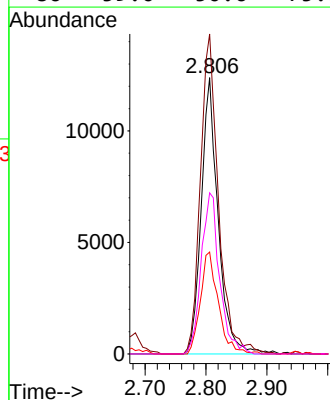
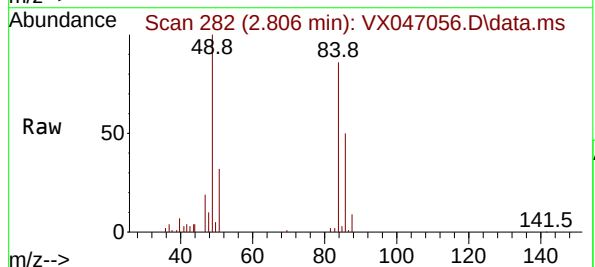
Manual Integrations
APPROVED

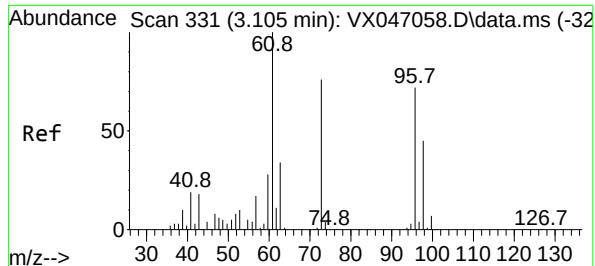
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#20
Methylene Chloride
Concen: 5.470 ug/l
RT: 2.806 min Scan# 282
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

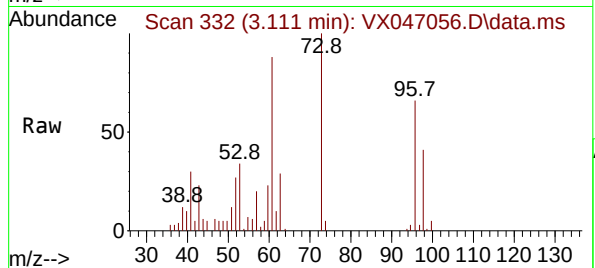
Tgt Ion: 84 Resp: 23989
Ion Ratio Lower Upper
84 100
49 115.8 101.6 152.4
51 36.9 30.3 45.5
86 59.0 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 5.451 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

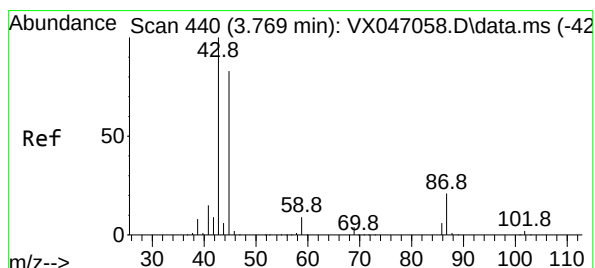
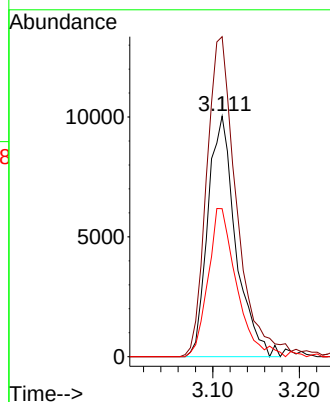
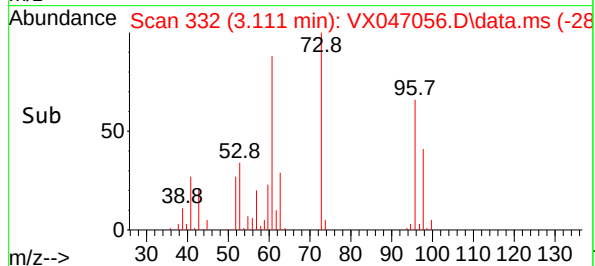
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 22390
Ion Ratio Lower Upper
96 100
61 133.1 111.1 166.7
98 63.0 49.6 74.4

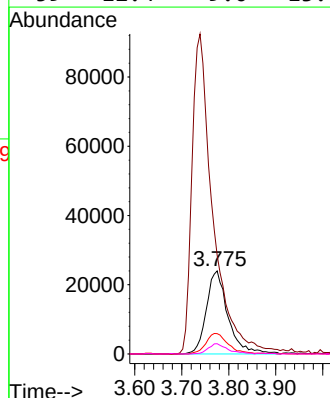
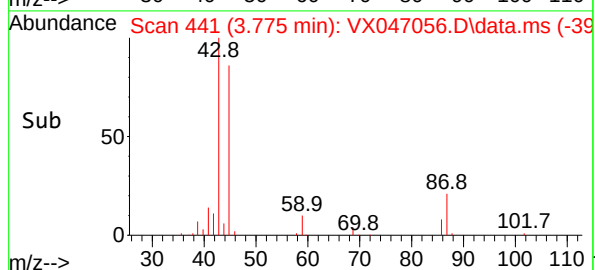
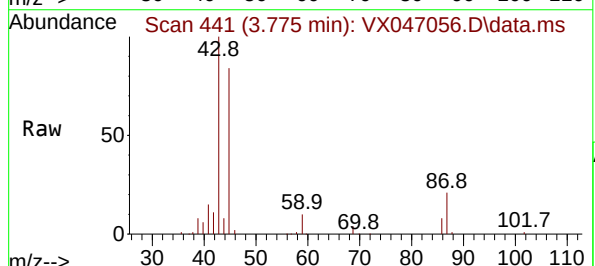
Manual Integrations
APPROVED

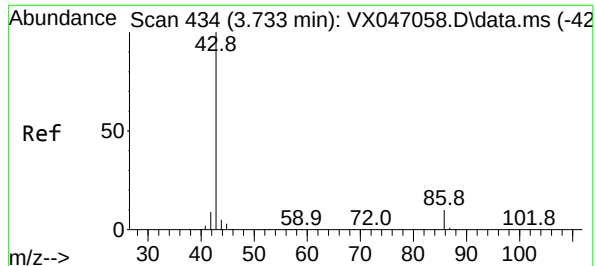
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#22
Diisopropyl ether
Concen: 5.480 ug/l
RT: 3.775 min Scan# 441
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 45 Resp: 76458
Ion Ratio Lower Upper
45 100
43 117.4 96.8 145.2
87 24.5 20.5 30.7
59 12.4 9.0 13.4





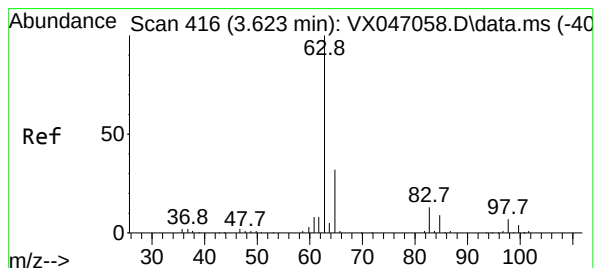
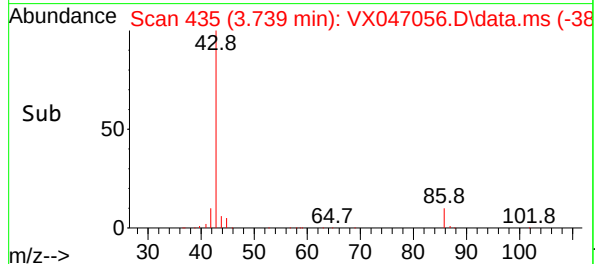
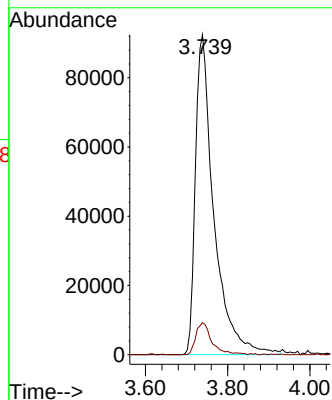
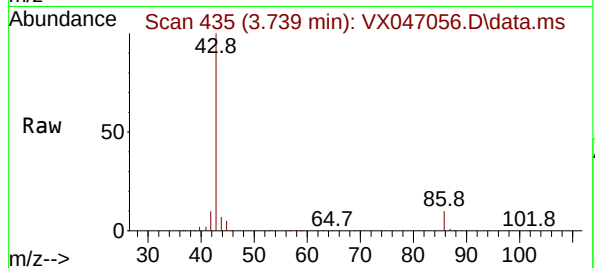
#23
Vinyl Acetate
Concen: 25.756 ug/l
RT: 3.739 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 288230
Ion Ratio Lower Upper
43 100
86 10.0 8.1 12.1

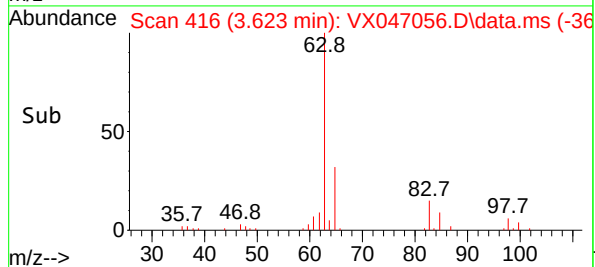
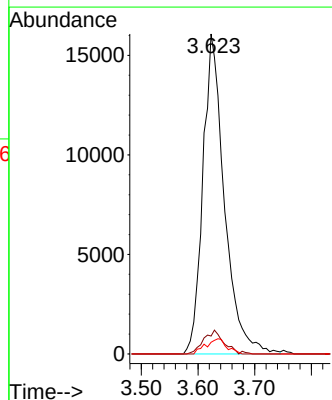
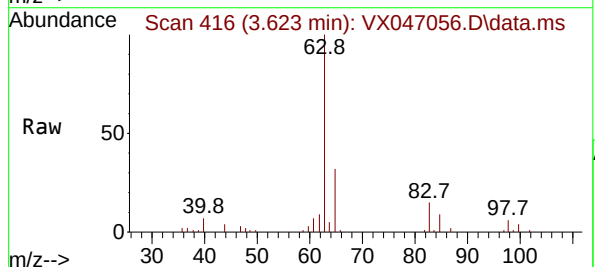
Manual Integrations
APPROVED

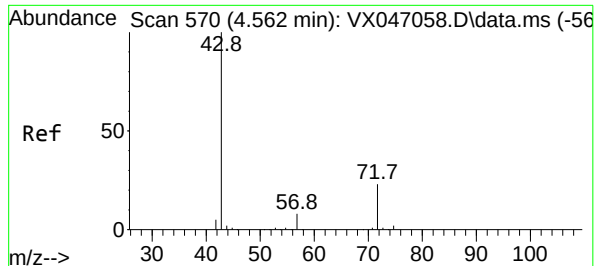
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#24
1,1-Dichloroethane
Concen: 5.465 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 63 Resp: 42402
Ion Ratio Lower Upper
63 100
98 5.6 3.6 10.8
100 3.7 2.3 6.8





#25

2-Butanone

Concen: 25.858 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 6002

Ion Ratio Lower Upper

43 100

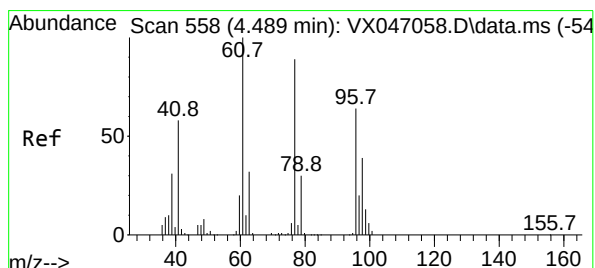
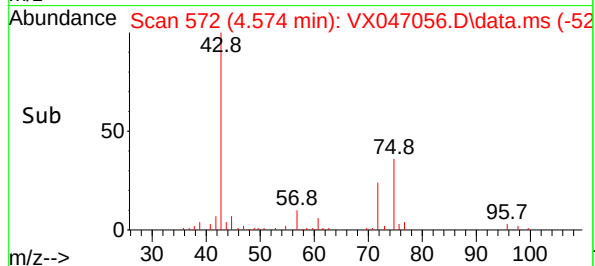
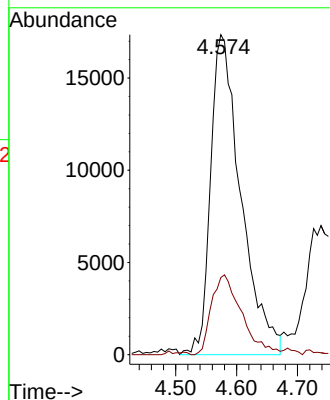
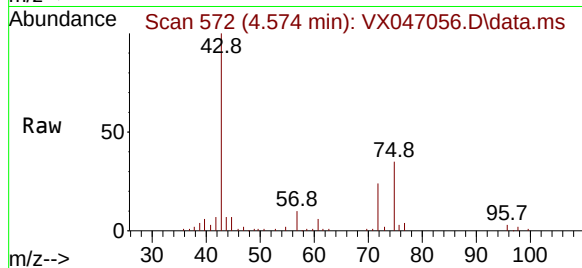
72 22.1 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#26

2,2-Dichloropropane

Concen: 5.378 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.000 min

Lab File: VX047056.D

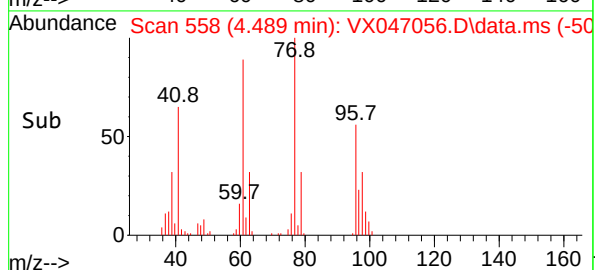
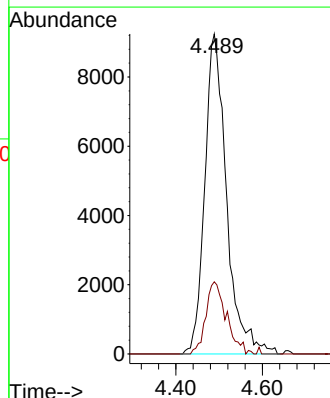
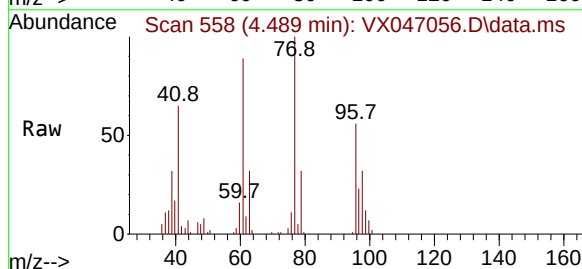
Acq: 21 Jul 2025 10:08

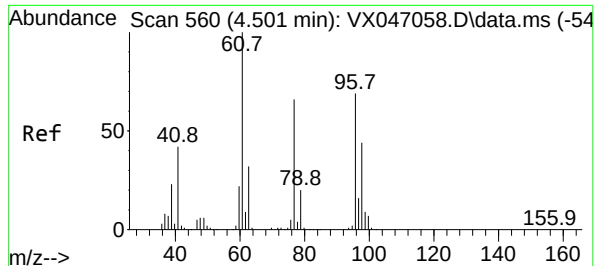
Tgt Ion: 77 Resp: 32298

Ion Ratio Lower Upper

77 100

97 21.4 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 5.463 ug/l

RT: 4.507 min Scan# 560

Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 26579

Ion Ratio Lower Upper

96 100

61 152.0 0.0 298.6

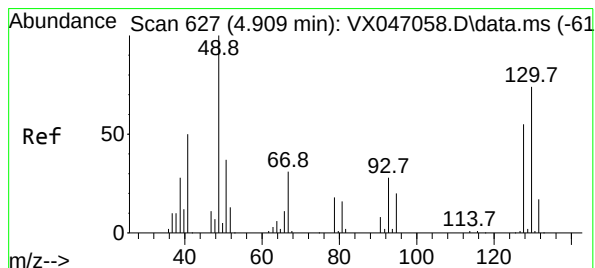
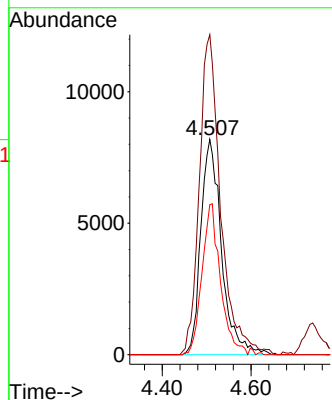
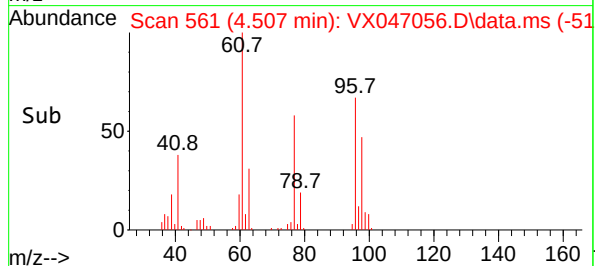
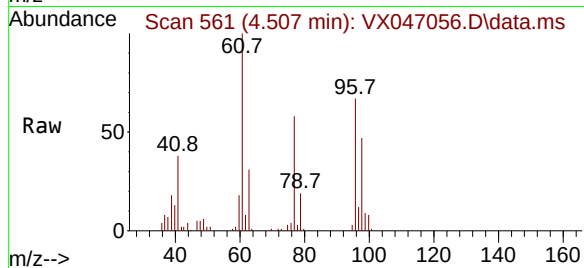
98 62.5 0.0 128.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#28

Bromochloromethane

Concen: 5.445 ug/l

RT: 4.921 min Scan# 629

Delta R.T. 0.012 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

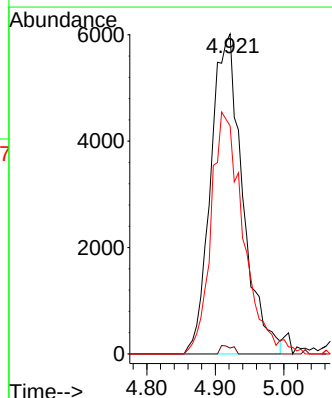
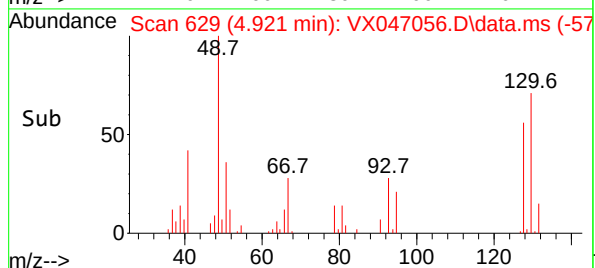
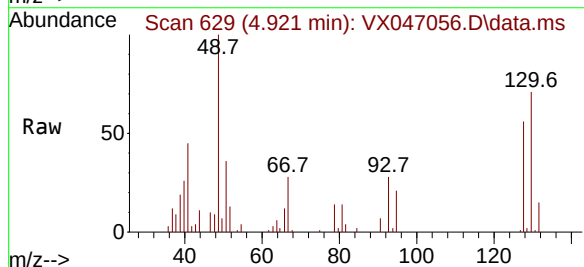
Tgt Ion: 49 Resp: 19435

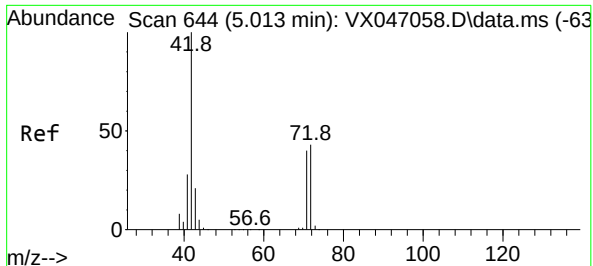
Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.8

130 77.0 59.0 88.4





#29

Tetrahydrofuran

Concen: 26.631 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

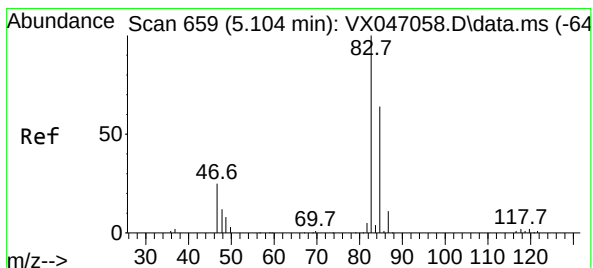
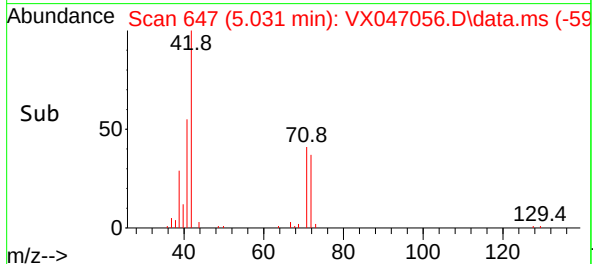
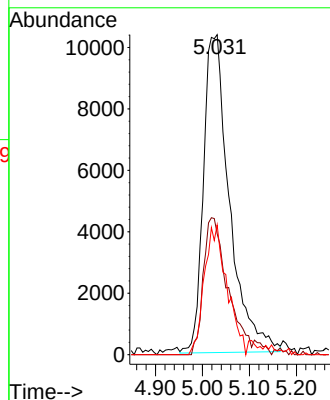
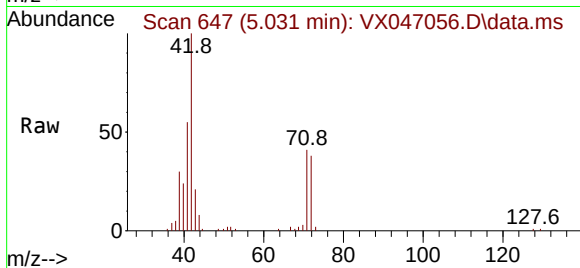
Tgt Ion:	42	Resp:	3988
Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.7	50.5
71	35.4	31.0	46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#30

Chloroform

Concen: 5.487 ug/l

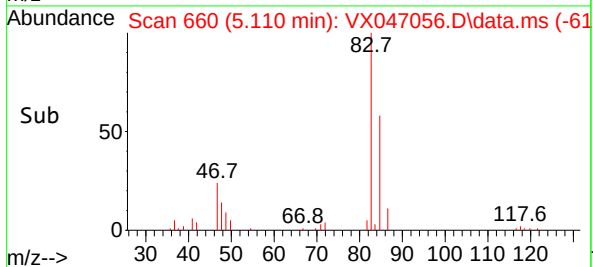
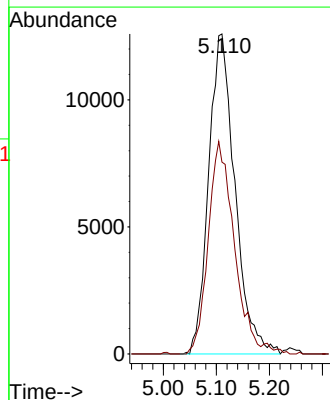
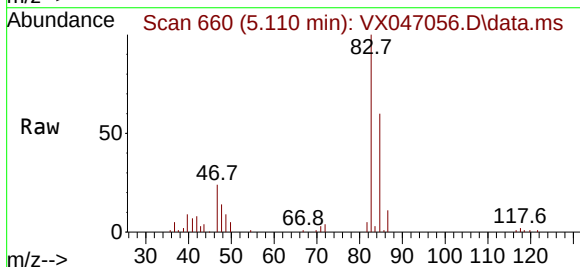
RT: 5.110 min Scan# 660

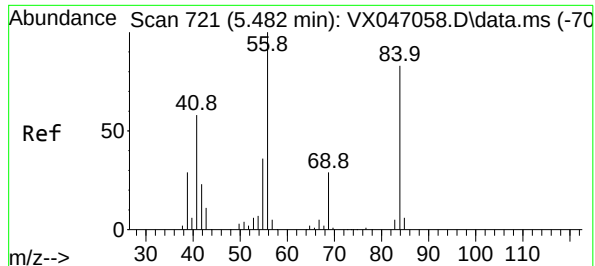
Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Tgt Ion:	83	Resp:	43336
Ion	Ratio	Lower	Upper
83	100		
85	58.1	50.9	76.3





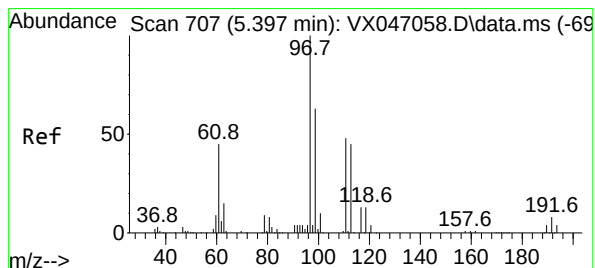
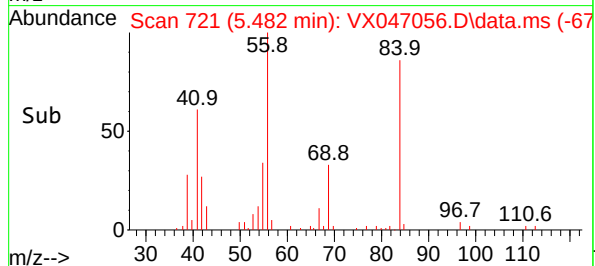
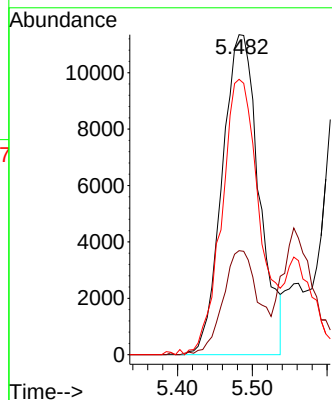
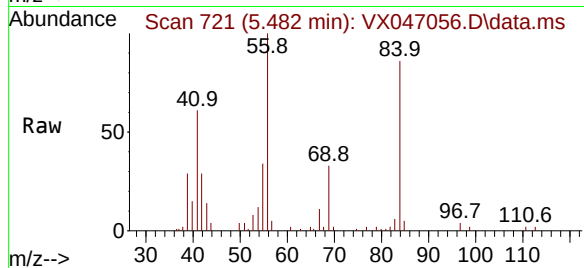
#31
Cyclohexane
Concen: 5.241 ug/l
RT: 5.482 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 38990
Ion Ratio Lower Upper
56 100
69 31.0 23.3 34.9
84 80.5 66.5 99.7

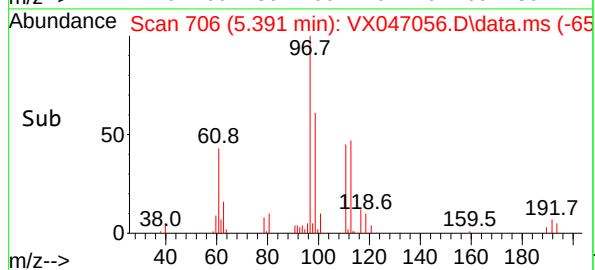
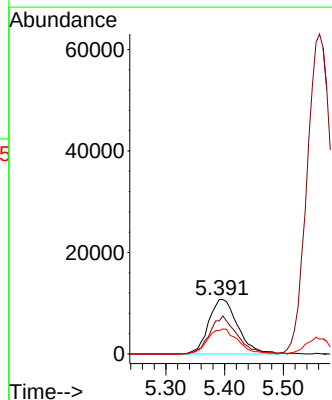
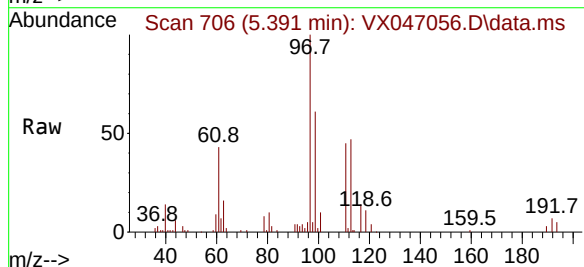
Manual Integrations
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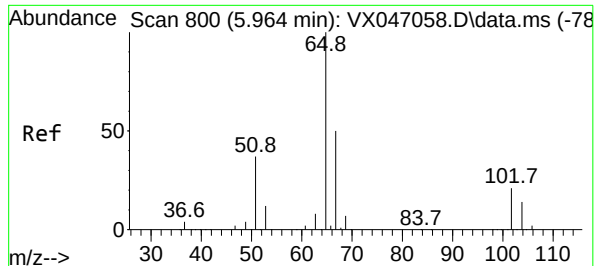
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#32
1,1,1-Trichloroethane
Concen: 5.382 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 97 Resp: 36920
Ion Ratio Lower Upper
97 100
99 64.8 51.2 76.8
61 48.1 37.1 55.7





#33

1,2-Dichloroethane-d4

Concen: 6.169 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 24550

Ion Ratio Lower Upper

65 100

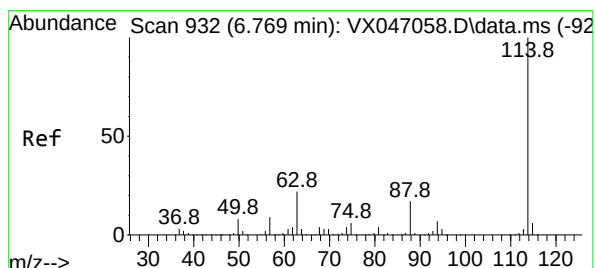
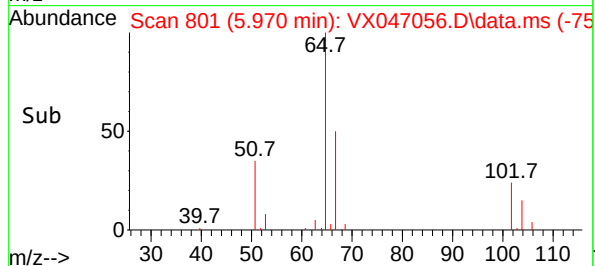
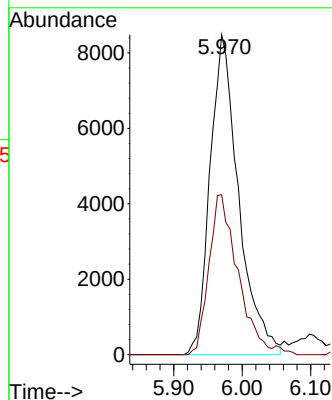
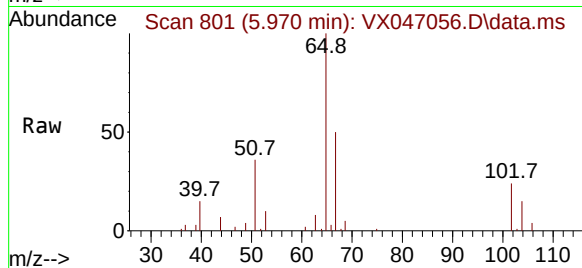
67 50.2 0.0 104.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

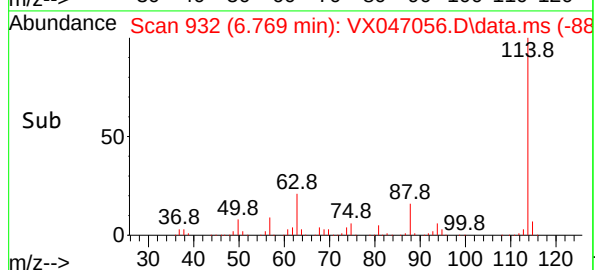
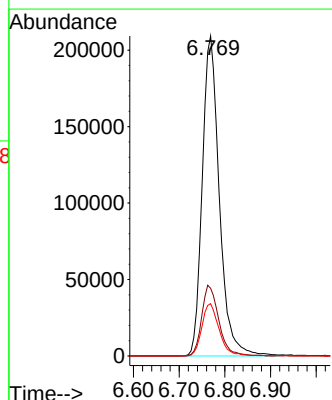
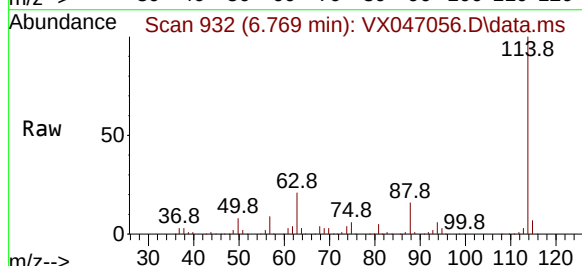
Tgt Ion:114 Resp: 542097

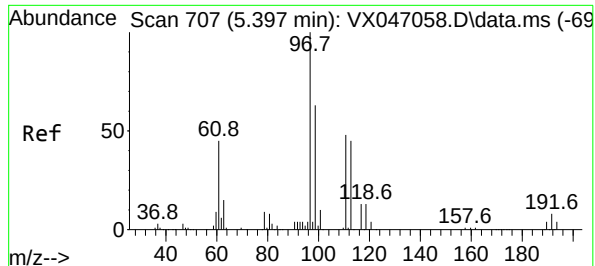
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

88 16.3 0.0 33.8





#35

Dibromofluoromethane

Concen: 5.749 ug/l

RT: 5.403 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:113 Resp: 1924

Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

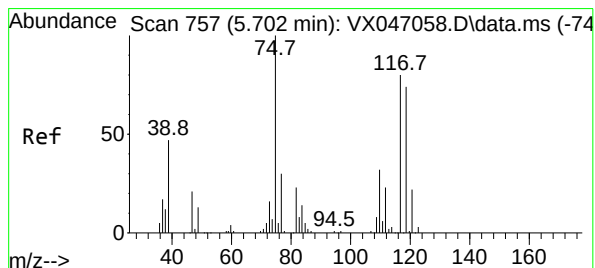
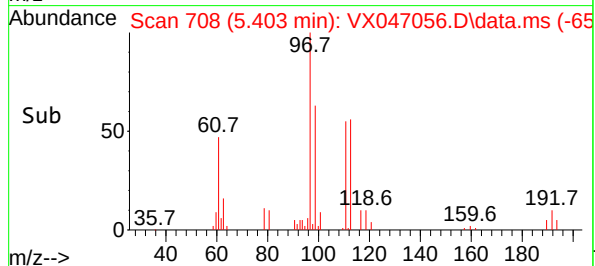
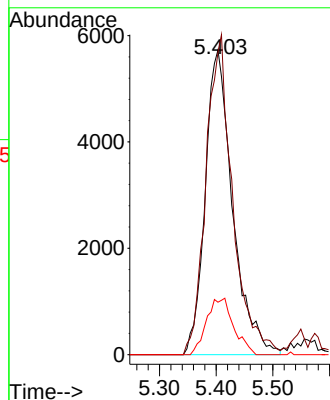
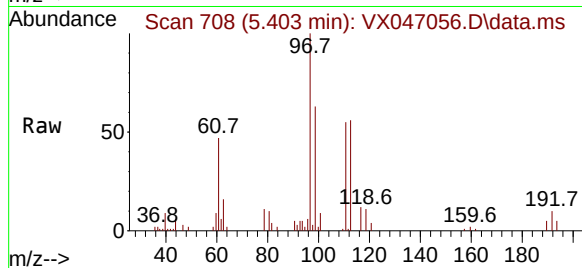
192 18.3 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#36

1,1-Dichloropropene

Concen: 5.011 ug/l

RT: 5.702 min Scan# 757

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

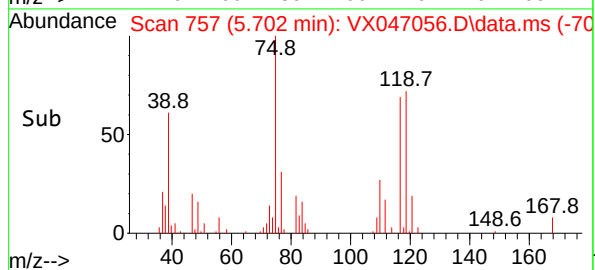
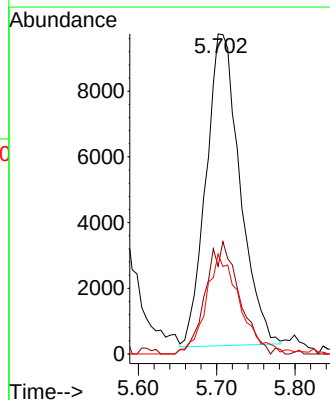
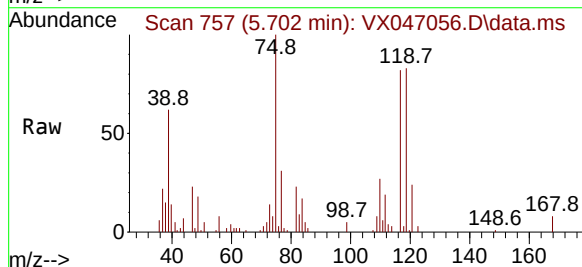
Tgt Ion: 75 Resp: 28590

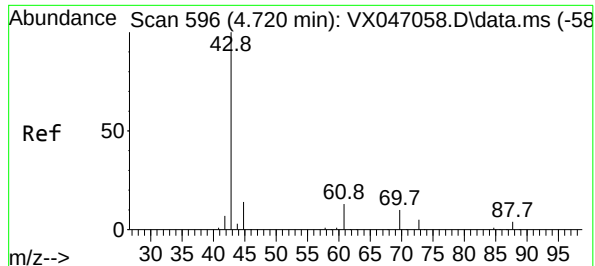
Ion Ratio Lower Upper

75 100

110 35.4 17.2 51.5

77 32.5 25.1 37.7





#37

Ethyl Acetate

Concen: 5.790 ug/l m

RT: 4.739 min Scan# 596

Delta R.T. 0.018 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

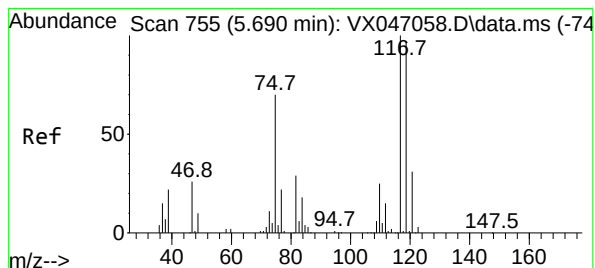
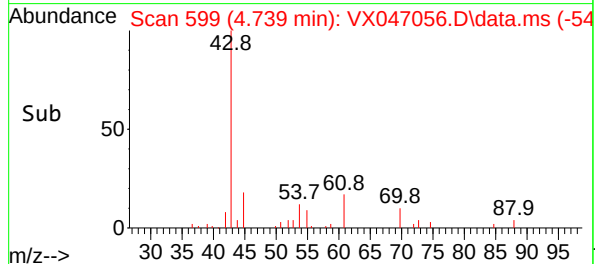
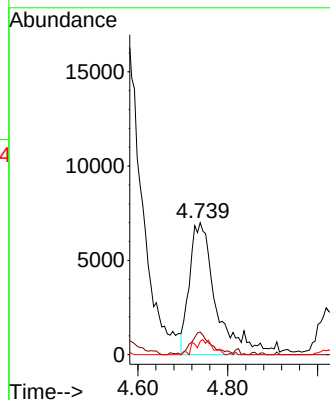
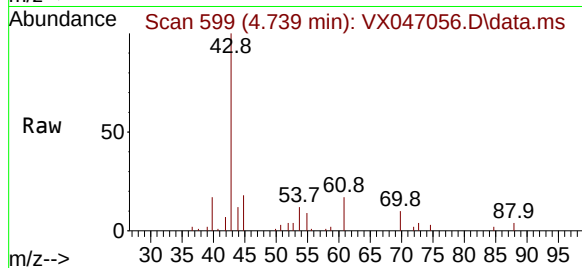
Tgt Ion:	43	Resp:	2911
Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.2	15.2
70	5.4	8.1	12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#38

Carbon Tetrachloride

Concen: 5.452 ug/l

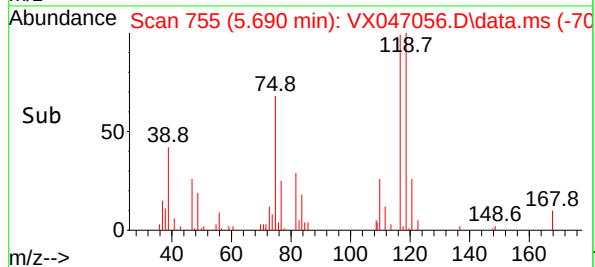
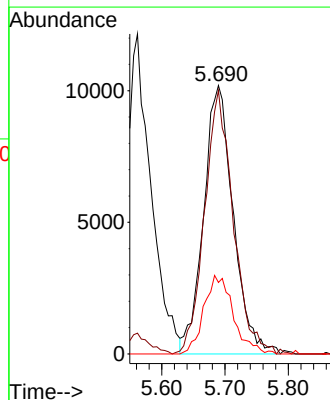
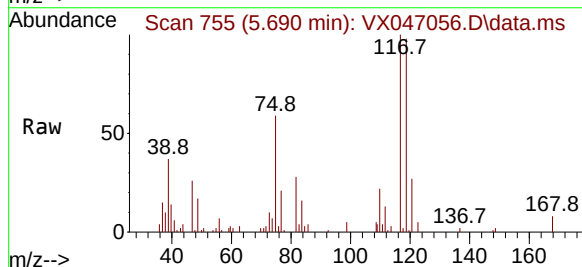
RT: 5.690 min Scan# 755

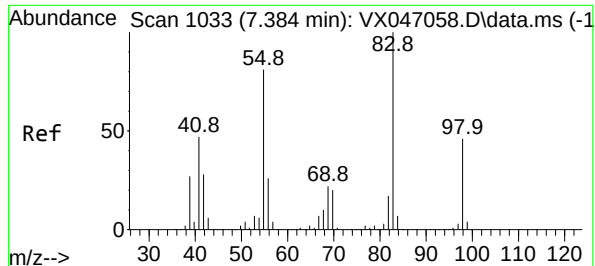
Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Tgt Ion:	117	Resp:	33199
Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.6	115.0
121	26.7	24.4	36.6





#39

Methylcyclohexane

Concen: 5.271 ug/l

RT: 7.384 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 83 Resp: 3754

Ion Ratio Lower Upper

83 100

55 86.9 64.5 96.7

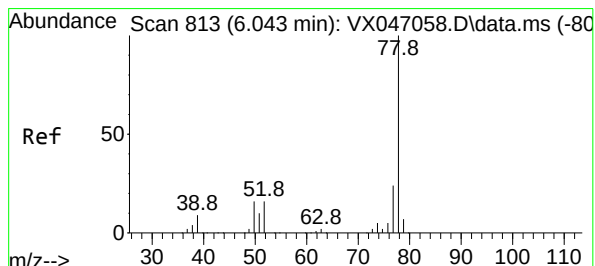
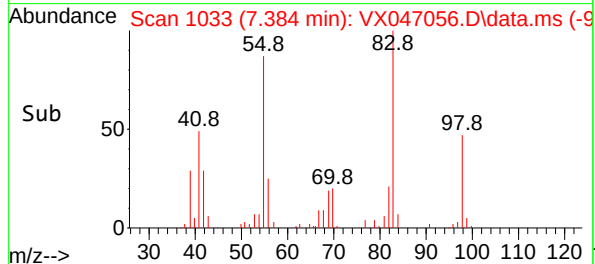
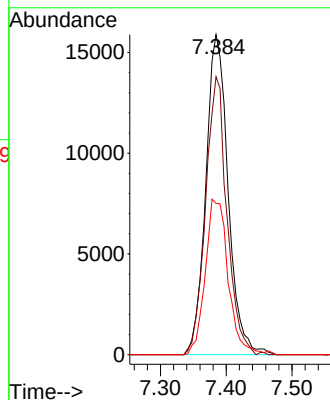
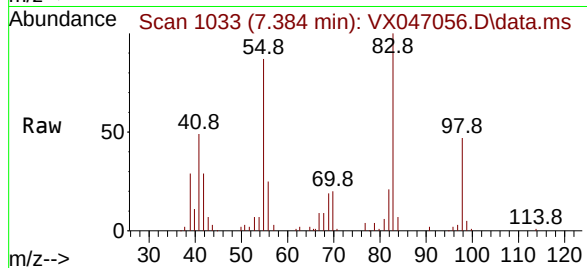
98 47.3 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#40

Benzene

Concen: 5.438 ug/l

RT: 6.049 min Scan# 814

Delta R.T. 0.006 min

Lab File: VX047056.D

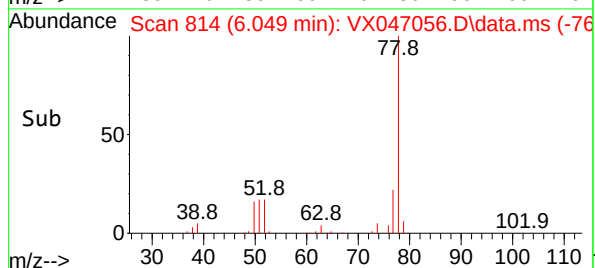
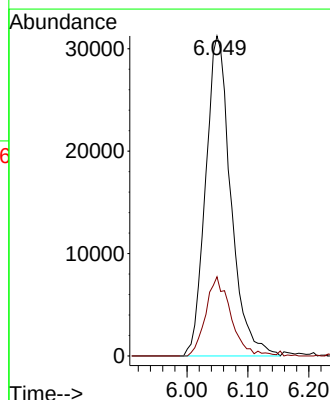
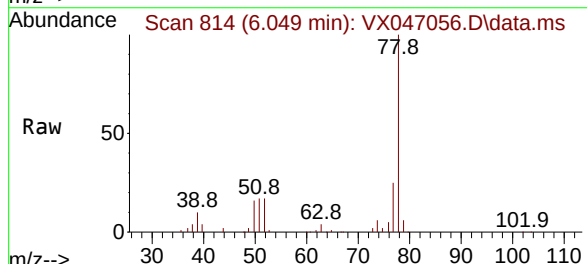
Acq: 21 Jul 2025 10:08

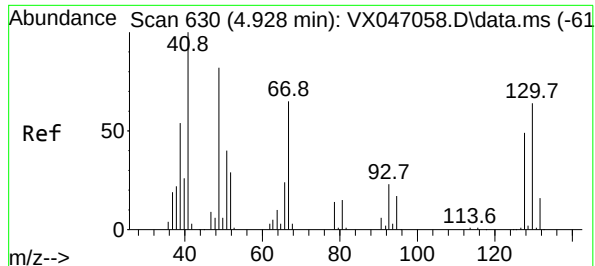
Tgt Ion: 78 Resp: 89797

Ion Ratio Lower Upper

78 100

77 24.7 19.0 28.4





#41
Methacrylonitrile
Concen: 5.100 ug/l
RT: 4.934 min Scan# 631
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

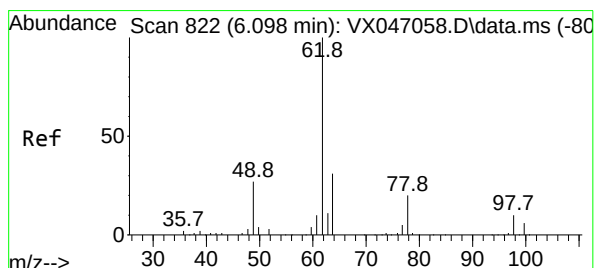
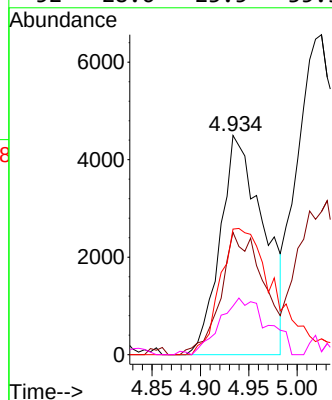
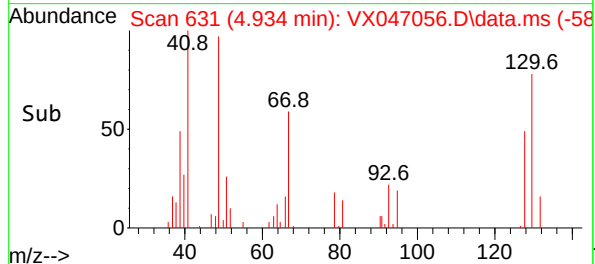
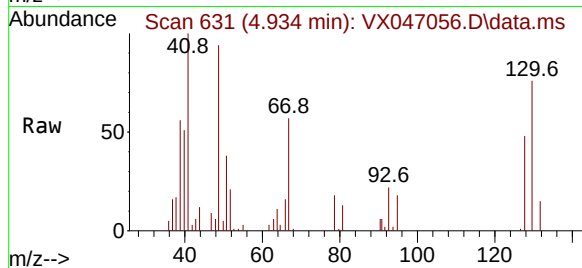
Tgt Ion:	41	Resp:	14018
Ion	Ratio	Lower	Upper
41	100		
39	54.6	44.2	66.2
67	73.8	56.4	84.6
52	28.6	23.5	35.3

Manual Integrations

APPROVED

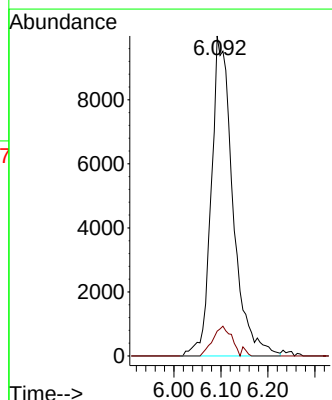
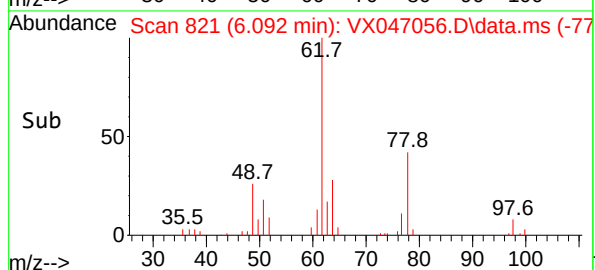
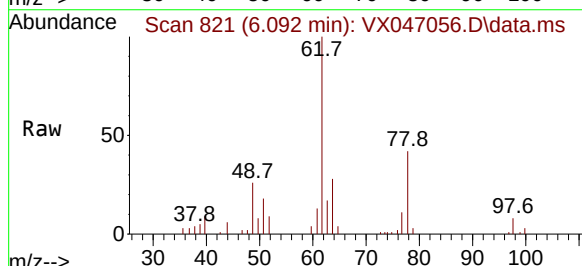
Reviewed By :John Carlone 07/22/2025

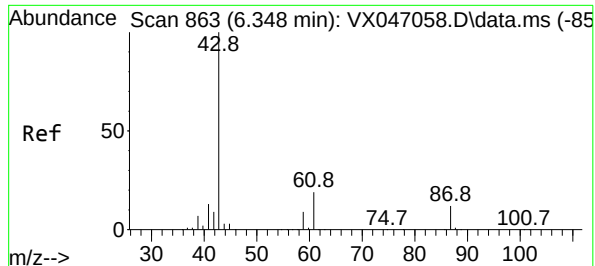
Supervised By :Mahesh Dadoda 07/22/2025



#42
1,2-Dichloroethane
Concen: 5.475 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:	62	Resp:	31844
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.8





#43

Isopropyl Acetate

Concen: 5.240 ug/l

RT: 6.354 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

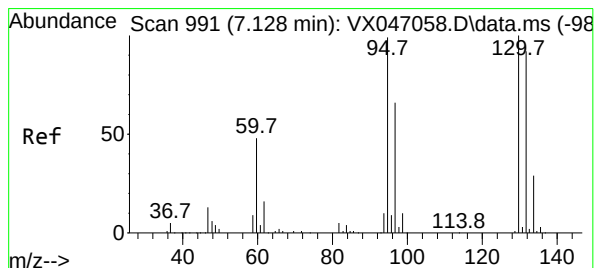
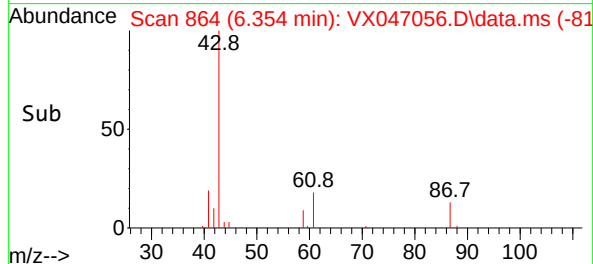
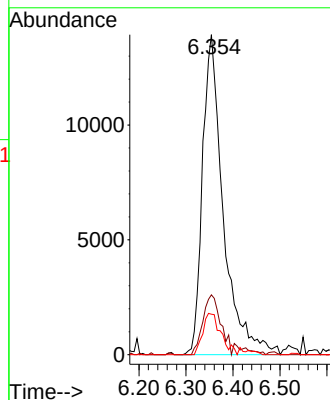
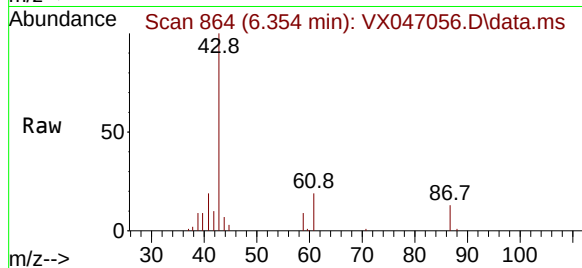
Tgt Ion:	43	Resp:	4294
Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.1	22.7
87	11.1	9.7	14.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#44

Trichloroethene

Concen: 5.468 ug/l

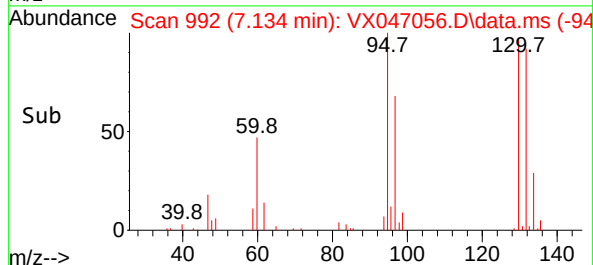
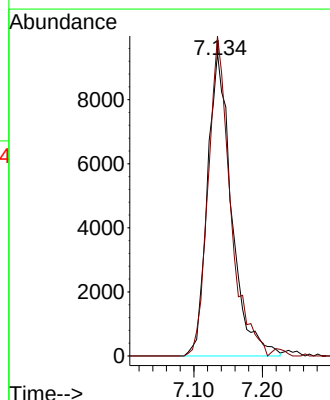
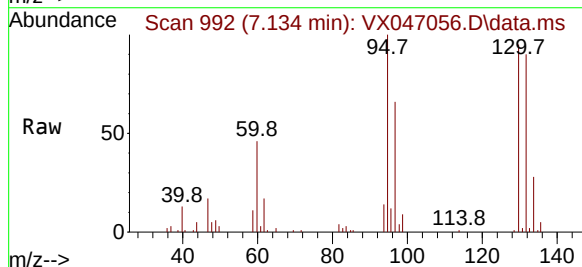
RT: 7.134 min Scan# 992

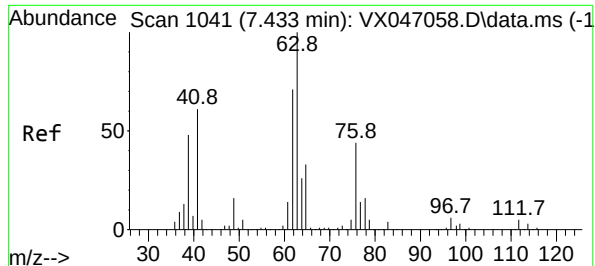
Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Tgt Ion:	130	Resp:	23153
Ion	Ratio	Lower	Upper
130	100		
95	117.9	0.0	198.6





#45

1,2-Dichloropropane

Concen: 5.494 ug/l

RT: 7.439 min Scan# 1042

Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 63 Resp: 2272

Ion Ratio Lower Upper

63 100

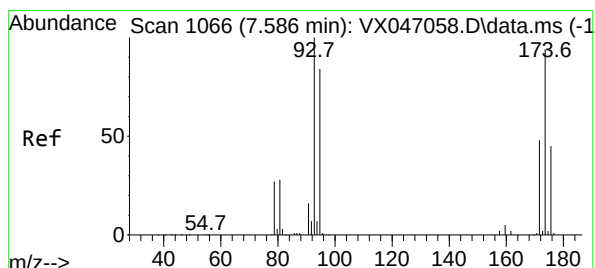
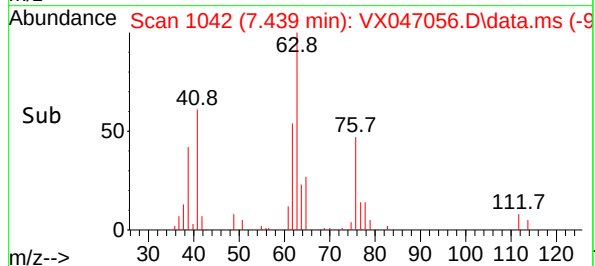
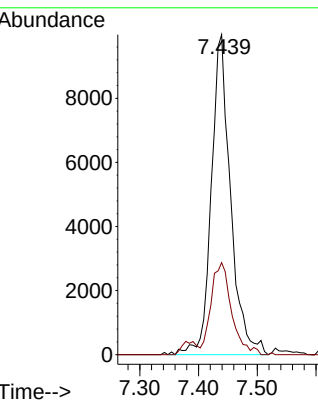
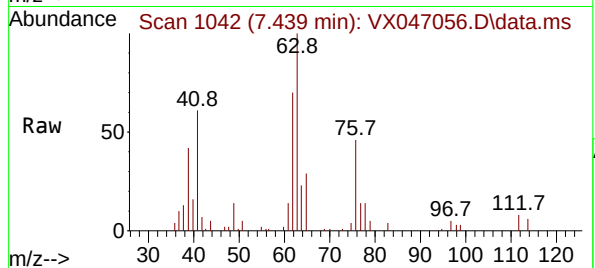
65 28.7 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#46

Dibromomethane

Concen: 5.682 ug/l

RT: 7.592 min Scan# 1067

Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

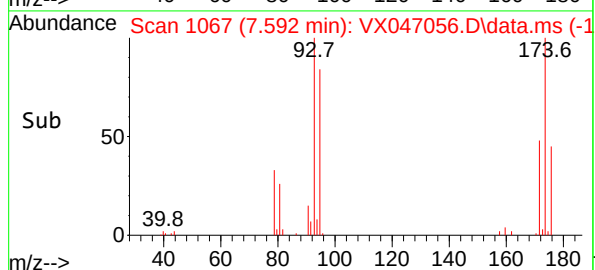
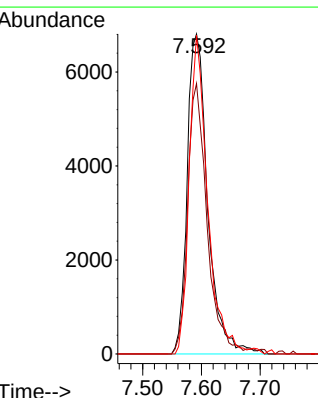
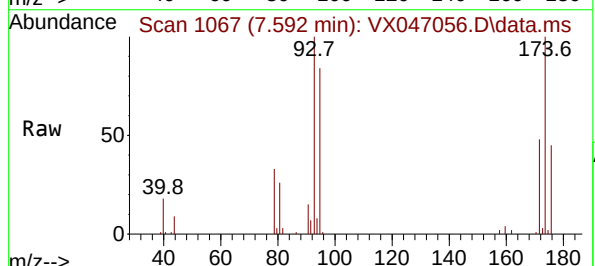
Tgt Ion: 93 Resp: 16479

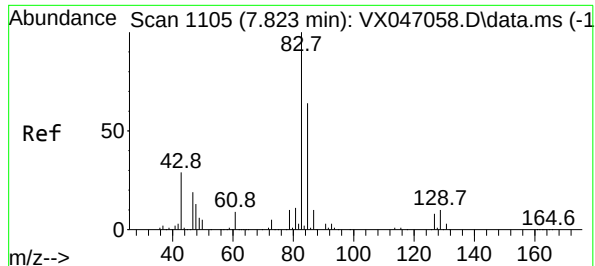
Ion Ratio Lower Upper

93 100

95 81.0 65.9 98.9

174 89.3 74.6 112.0





#47

Bromodichloromethane

Concen: 5.498 ug/l

RT: 7.823 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

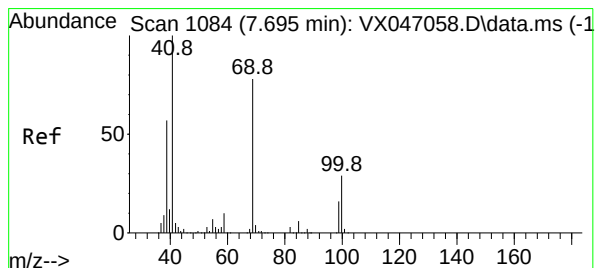
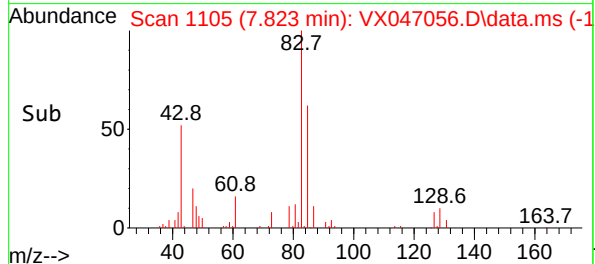
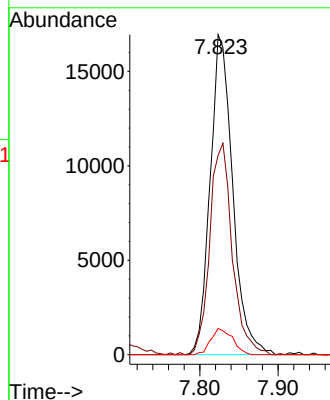
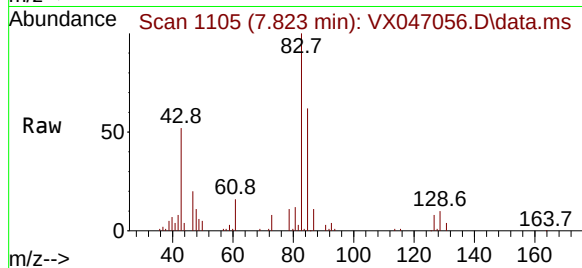
Tgt Ion:	83	Resp:	33939
Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.9	74.9
127	8.1	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#48

Methyl methacrylate

Concen: 4.851 ug/l

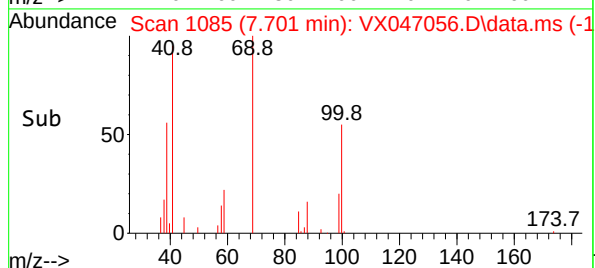
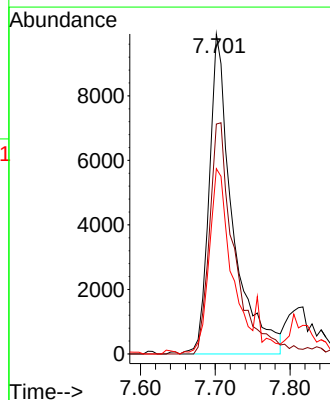
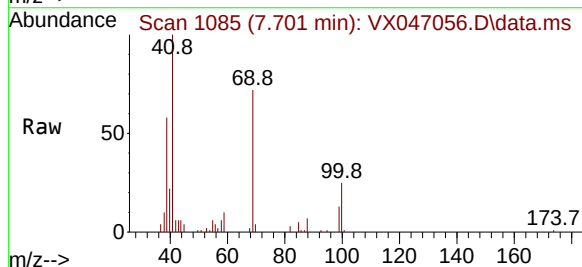
RT: 7.701 min Scan# 1085

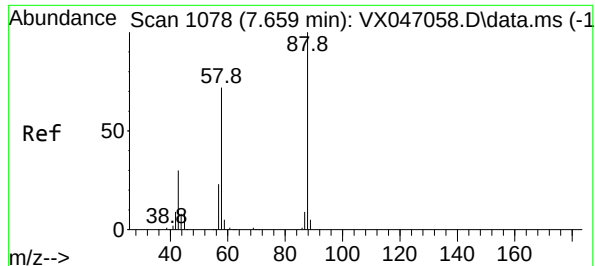
Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Tgt Ion:	41	Resp:	21660
Ion	Ratio	Lower	Upper
41	100		
69	77.3	62.3	93.5
39	54.8	44.8	67.2





#49

1,4-Dioxane

Concen: 109.271 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.012 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

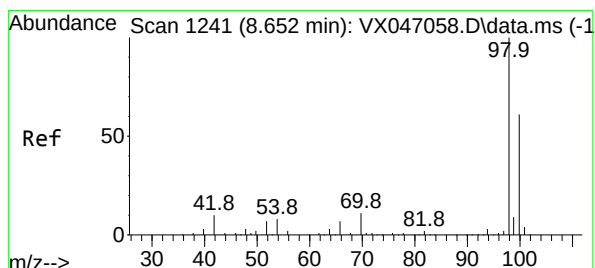
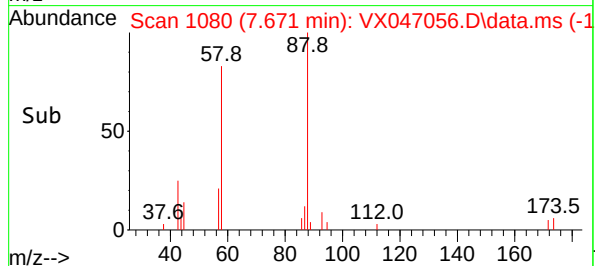
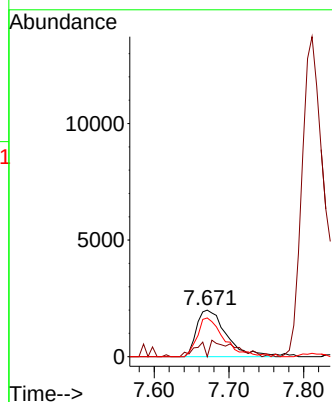
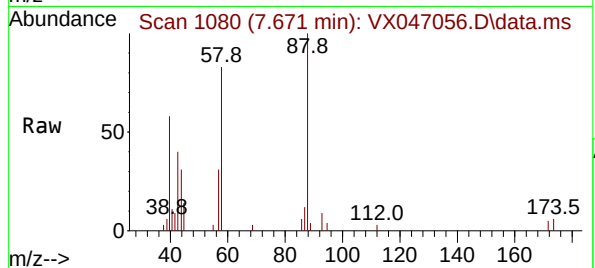
Tgt Ion:	88	Resp:	5549
Ion	Ratio	Lower	Upper
88	100		
43	29.5	33.6	50.4
58	74.7	58.8	88.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#50

Toluene-d8

Concen: 6.465 ug/l

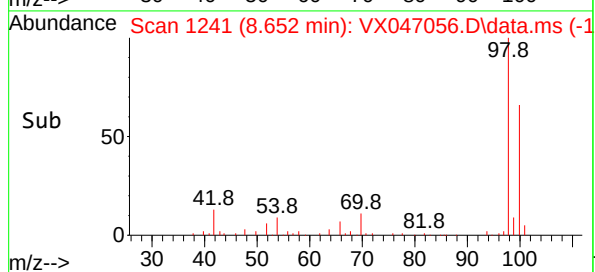
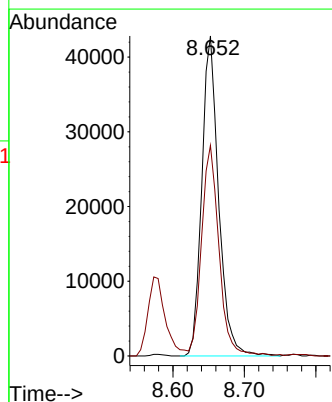
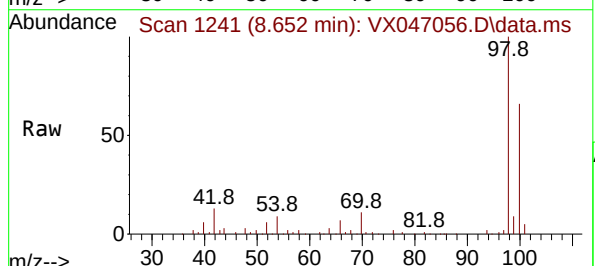
RT: 8.652 min Scan# 1241

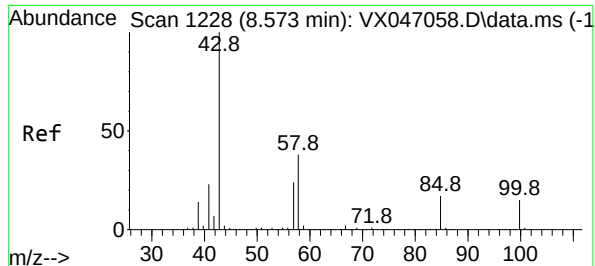
Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Tgt Ion:	98	Resp:	70081
Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.3	79.9





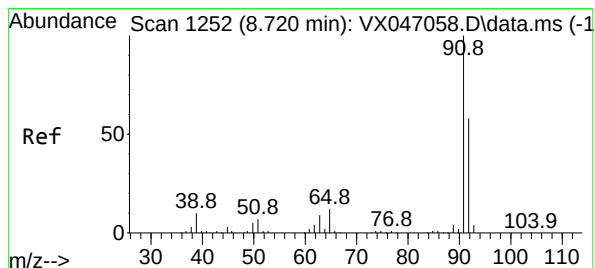
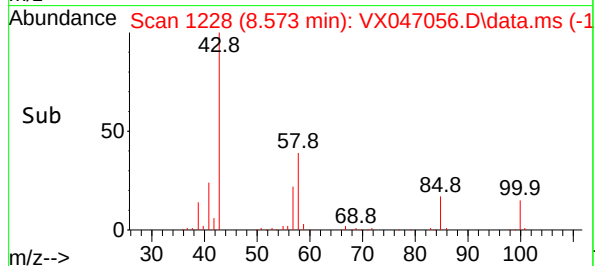
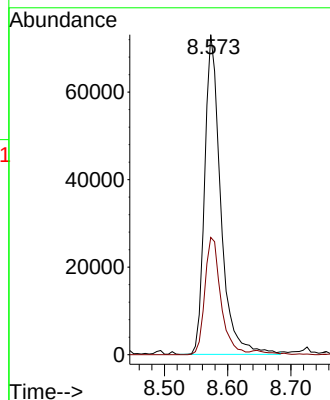
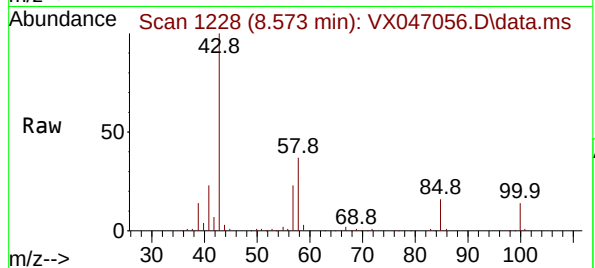
#51
4-Methyl-2-Pentanone
Concen: 26.565 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 12941
Ion Ratio Lower Upper
43 100
58 36.6 30.6 45.8

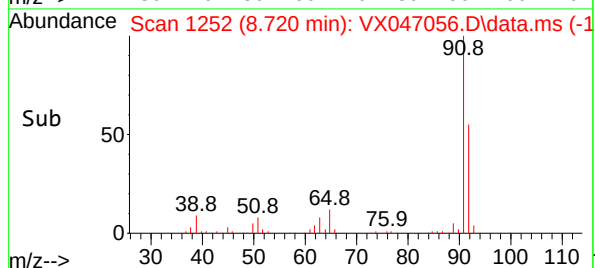
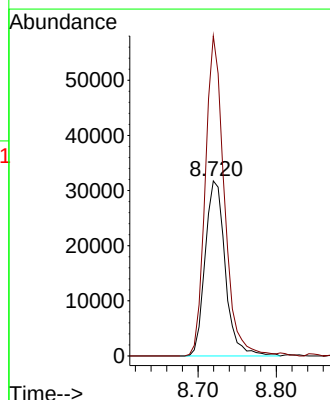
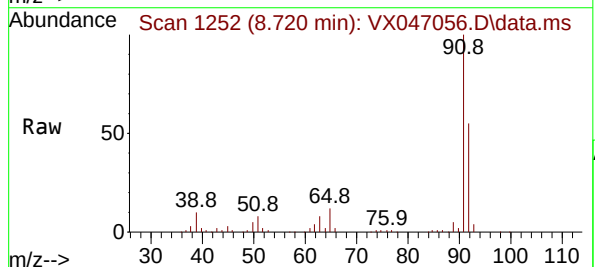
Manual Integrations
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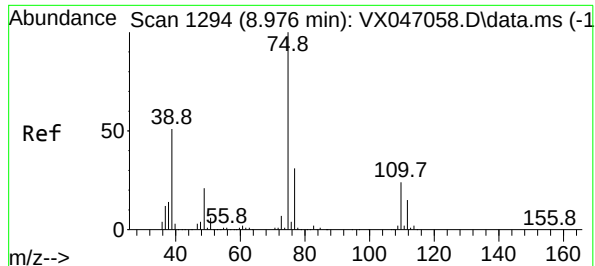
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#52
Toluene
Concen: 5.592 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 92 Resp: 56775
Ion Ratio Lower Upper
92 100
91 171.9 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 5.108 ug/l

RT: 8.982 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 29770

Ion Ratio Lower Upper

75 100

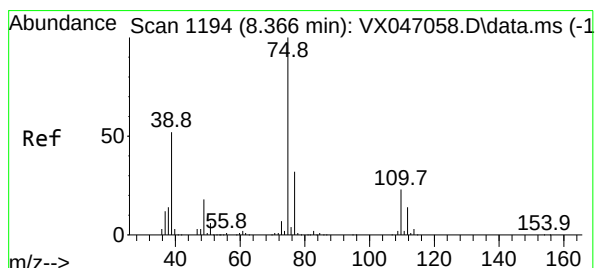
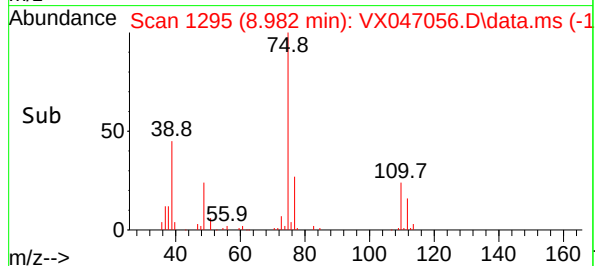
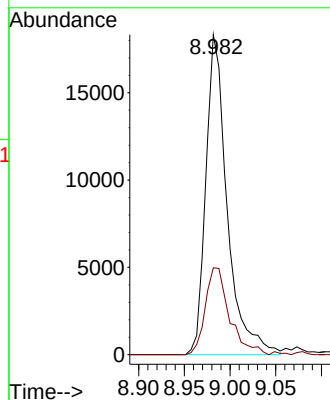
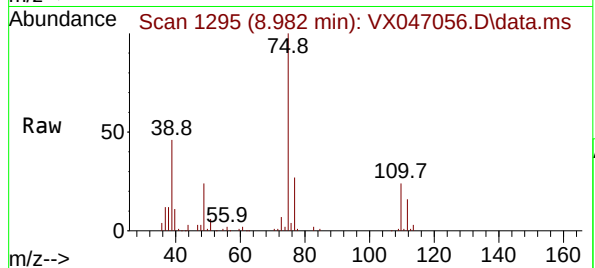
77 27.1 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#54

cis-1,3-Dichloropropene

Concen: 5.193 ug/l

RT: 8.372 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

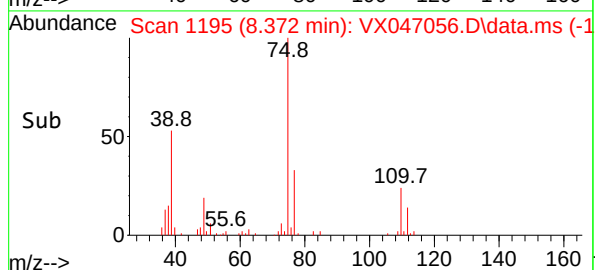
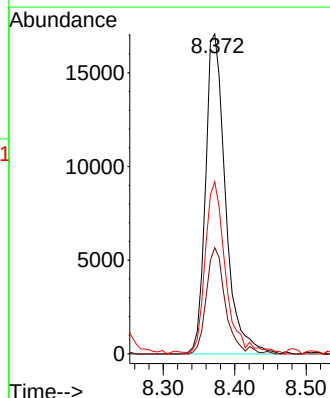
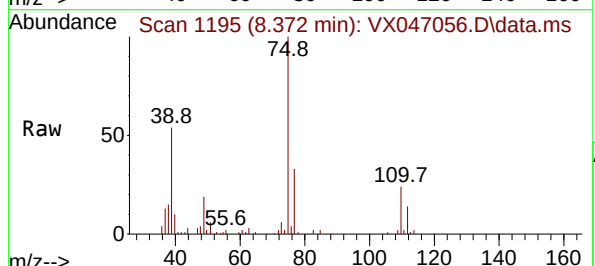
Tgt Ion: 75 Resp: 33127

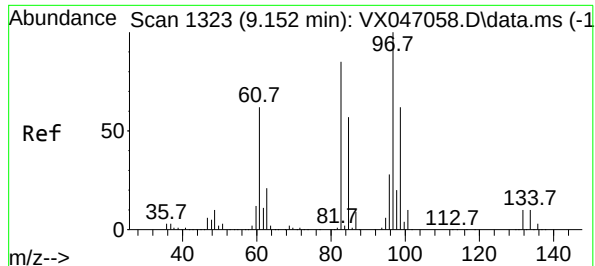
Ion Ratio Lower Upper

75 100

77 33.2 25.4 38.0

39 53.2 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 5.574 ug/l

RT: 9.152 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 2122

Ion Ratio Lower Upper

97 100

83 88.4 68.0 102.0

85 58.2 45.2 67.8

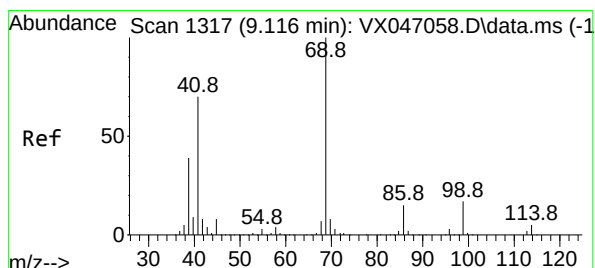
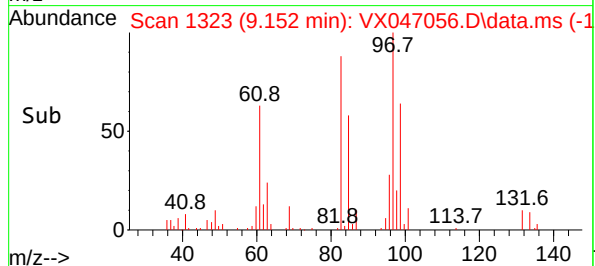
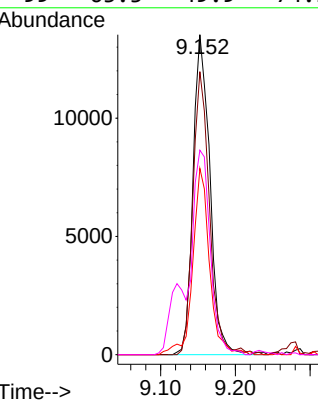
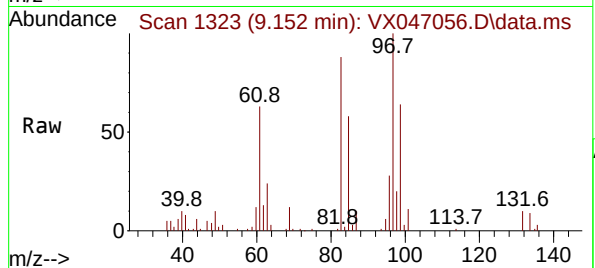
99 63.3 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#56

Ethyl methacrylate

Concen: 5.072 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

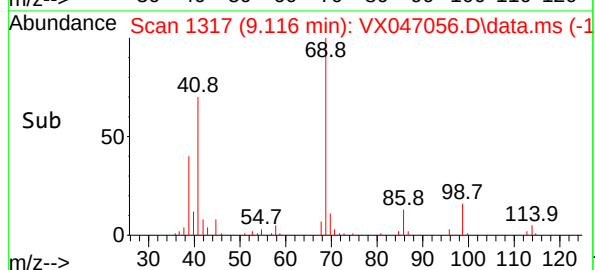
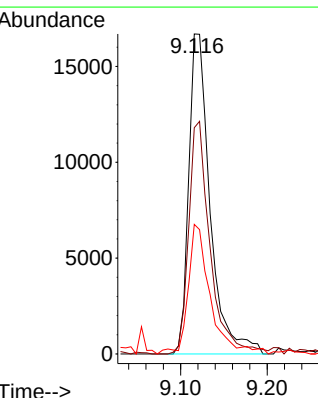
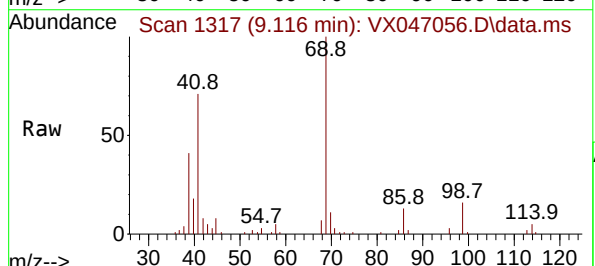
Tgt Ion: 69 Resp: 28587

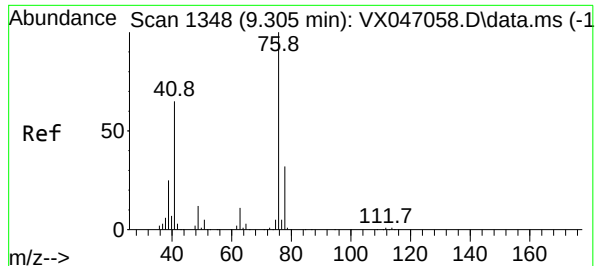
Ion Ratio Lower Upper

69 100

41 72.7 56.1 84.1

39 42.1 31.1 46.7





#57

1,3-Dichloropropane

Concen: 5.629 ug/l

RT: 9.311 min Scan# 11349

Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 3725

Ion Ratio Lower Upper

76 100

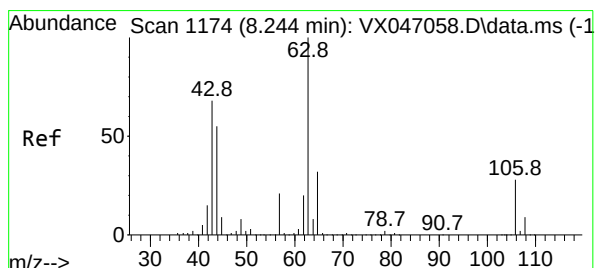
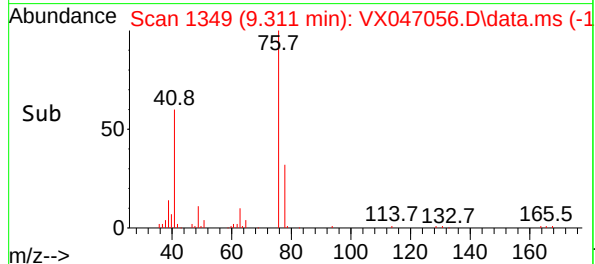
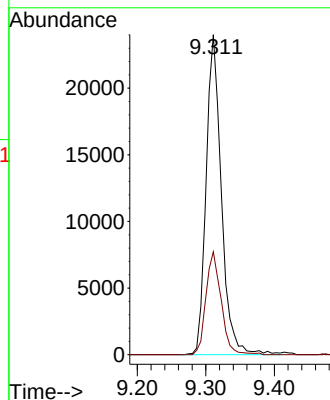
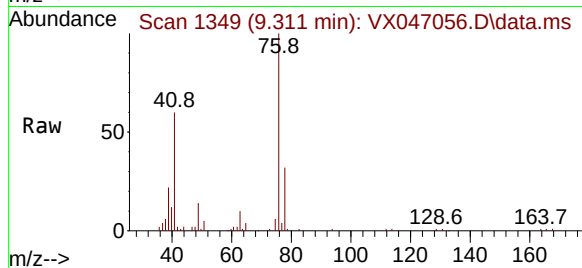
78 32.0 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#58

2-Chloroethyl Vinyl ether

Concen: 31.066 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VX047056.D

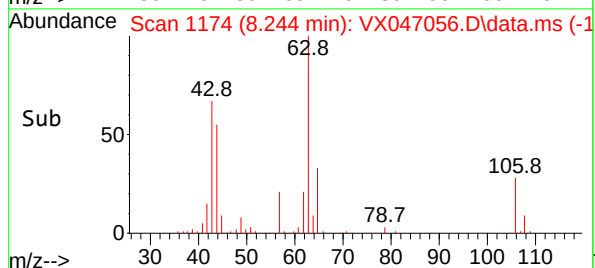
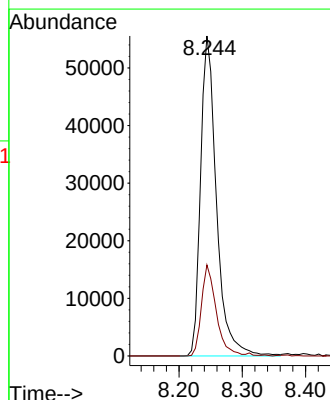
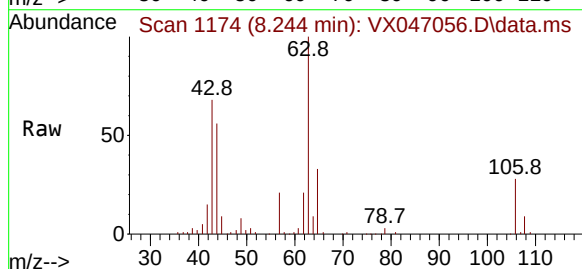
Acq: 21 Jul 2025 10:08

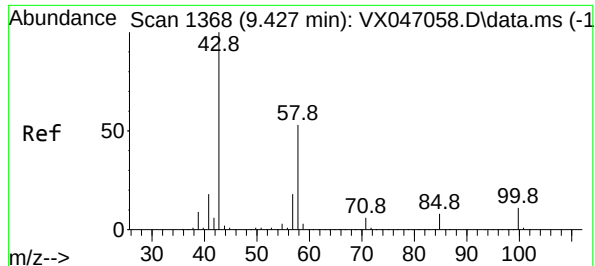
Tgt Ion: 63 Resp: 97443

Ion Ratio Lower Upper

63 100

106 26.7 22.2 33.4





#59

2-Hexanone

Concen: 26.276 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 84572

Ion Ratio Lower Upper

43

100

58

52.3

26.5

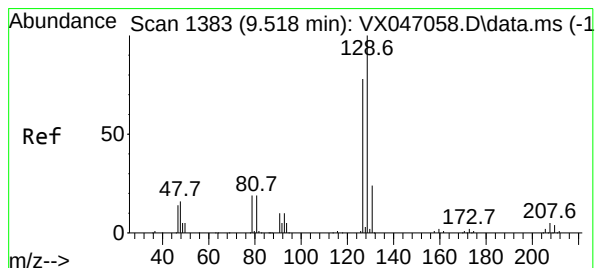
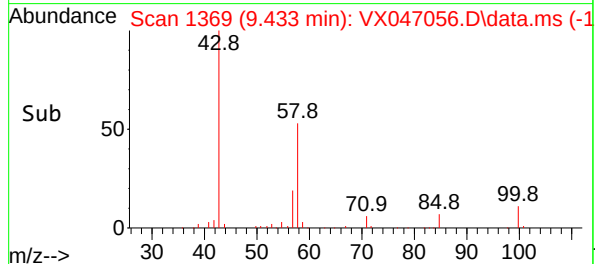
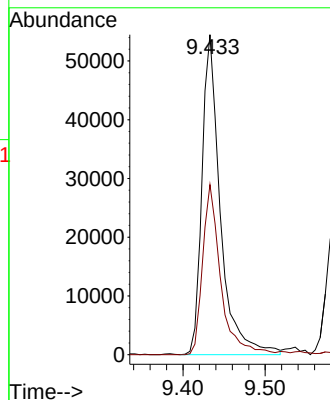
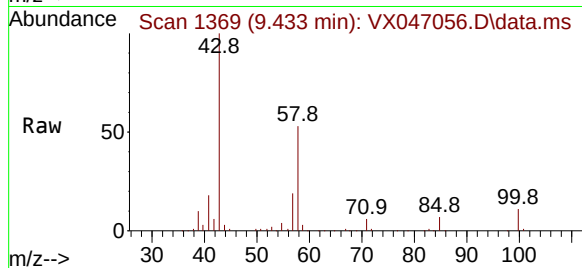
79.5

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#60

Dibromochloromethane

Concen: 5.454 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Tgt Ion:129 Resp: 24354

Ion Ratio Lower Upper

129

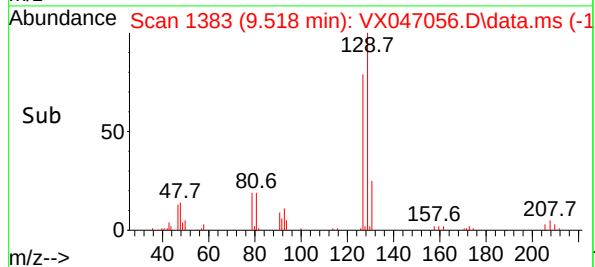
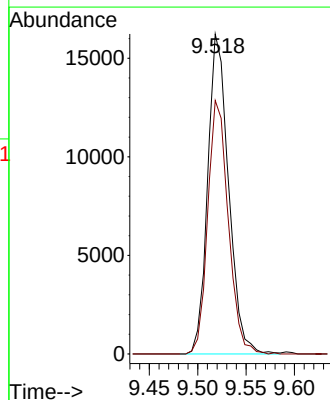
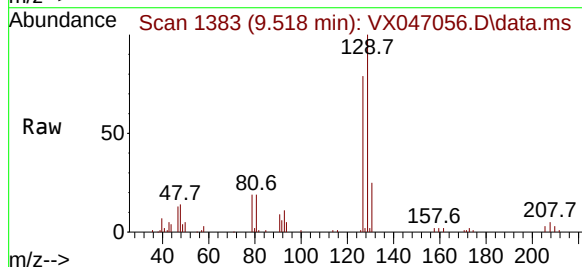
100

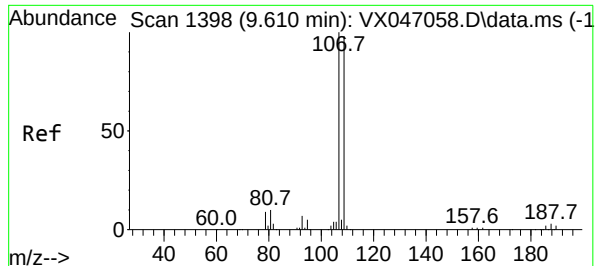
127

78.1

38.6

115.8





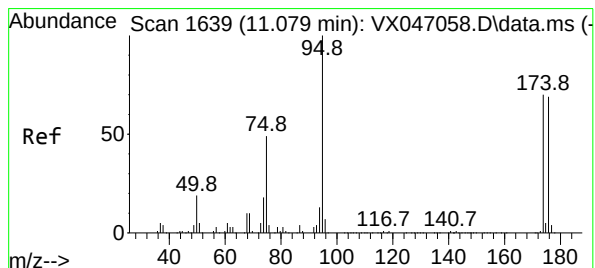
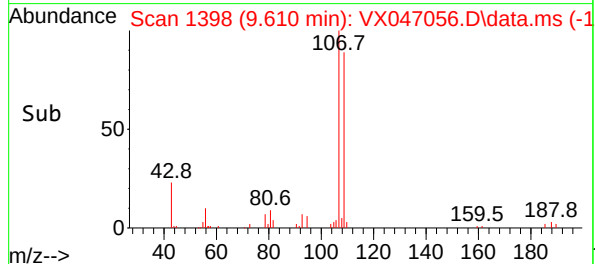
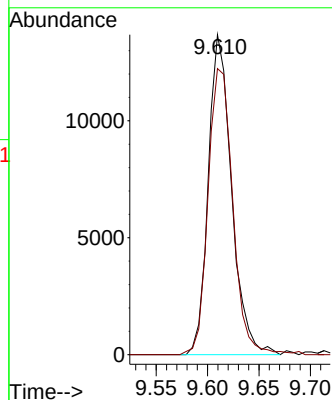
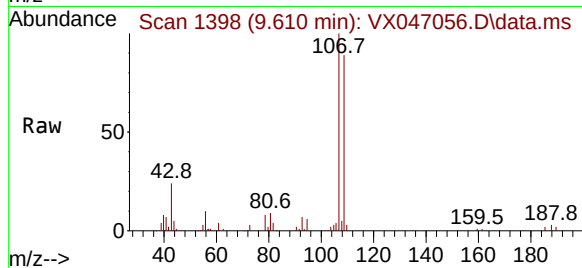
#61
1,2-Dibromoethane
Concen: 5.420 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 21578
Ion Ratio Lower Upper
107 100
109 95.2 74.6 112.0

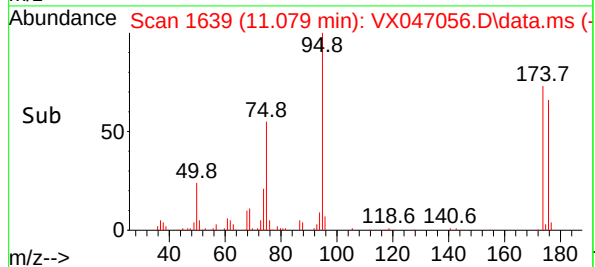
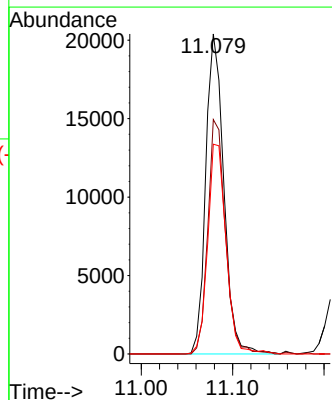
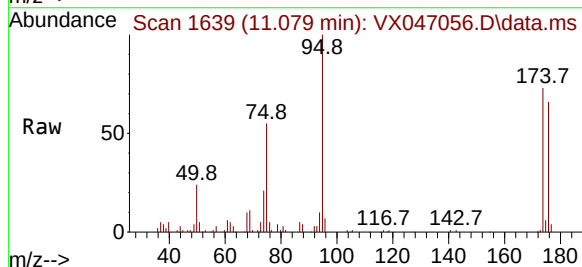
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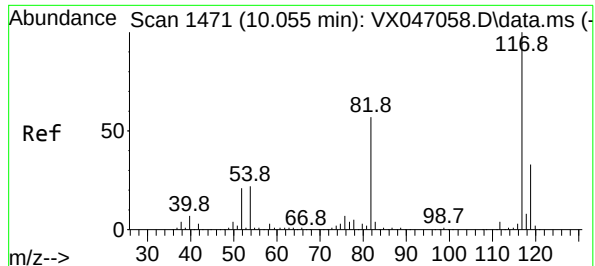
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#62
4-Bromofluorobenzene
Concen: 5.968 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

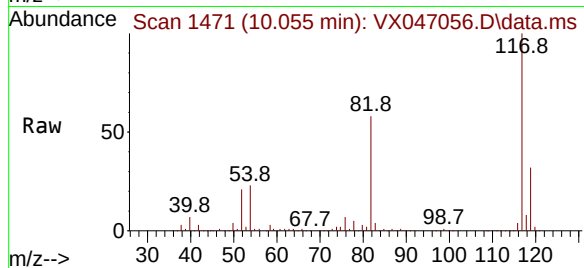
Tgt Ion: 95 Resp: 27880
Ion Ratio Lower Upper
95 100
174 71.5 0.0 144.6
176 67.1 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

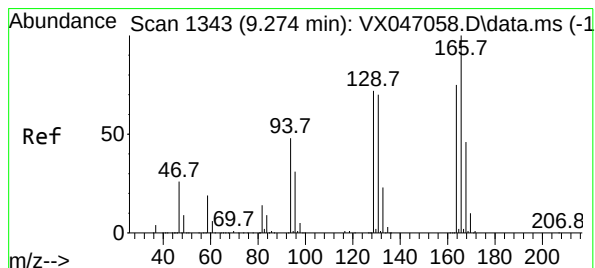
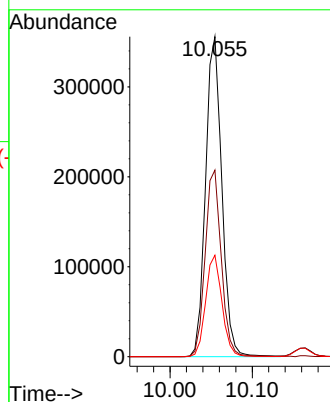
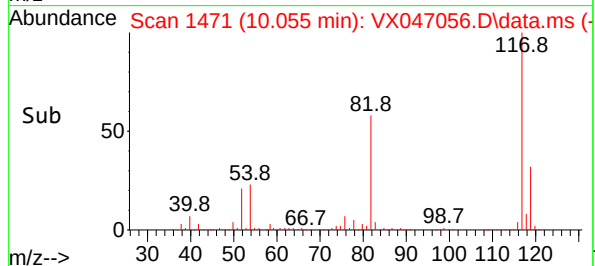
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:117 Resp: 488683
Ion Ratio Lower Upper
117 100
82 58.3 45.4 68.2
119 31.7 26.1 39.1

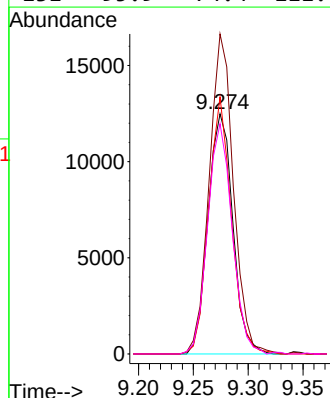
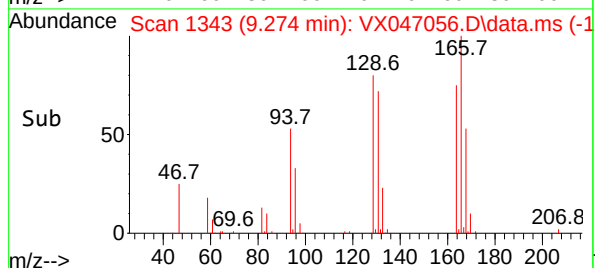
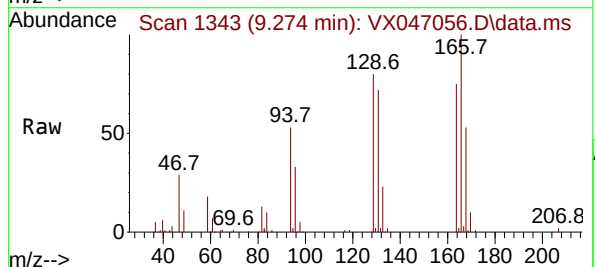
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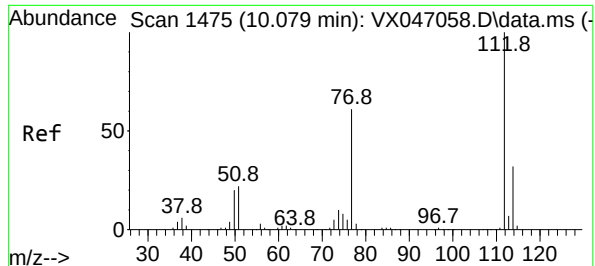
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#64
Tetrachloroethene
Concen: 5.592 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:164 Resp: 19701
Ion Ratio Lower Upper
164 100
166 133.2 106.2 159.4
129 106.9 76.6 114.8
131 95.9 74.4 111.6





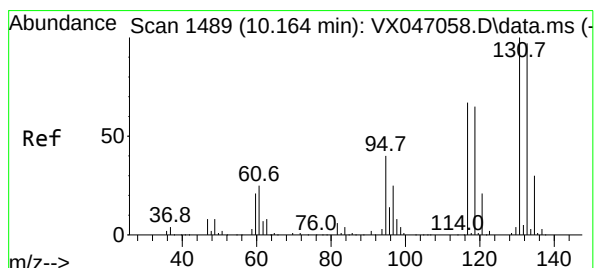
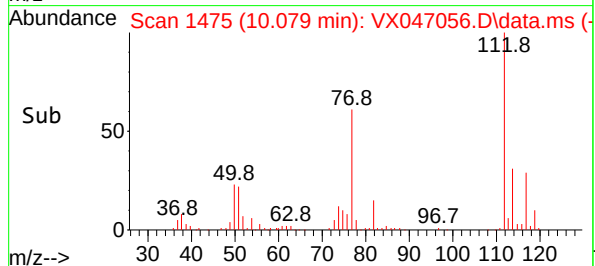
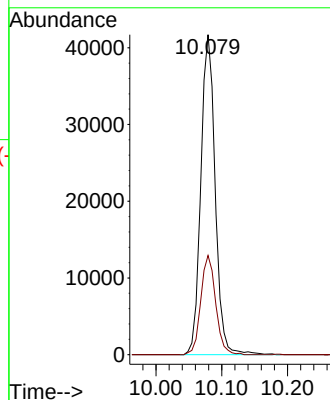
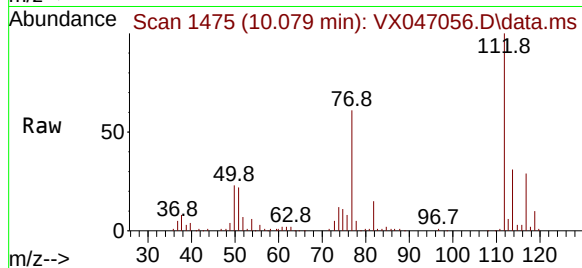
#65
Chlorobenzene
Concen: 5.526 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 63268
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.6

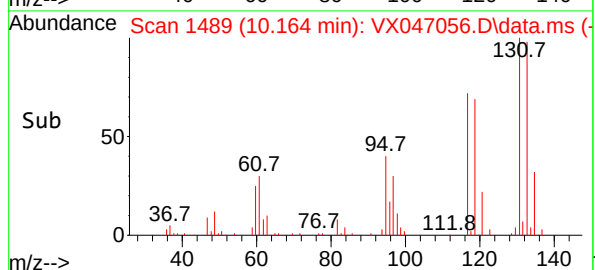
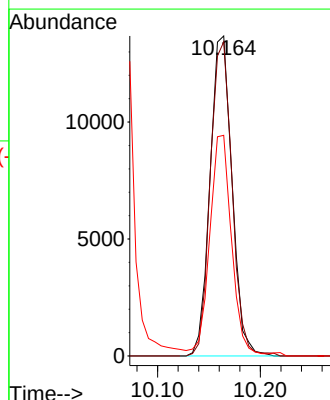
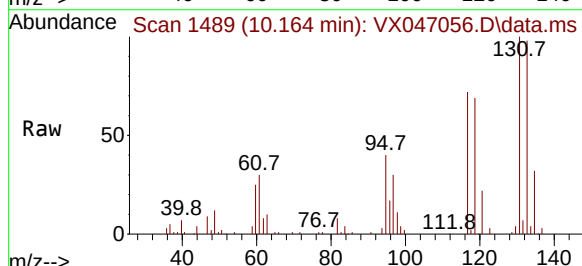
Manual Integrations
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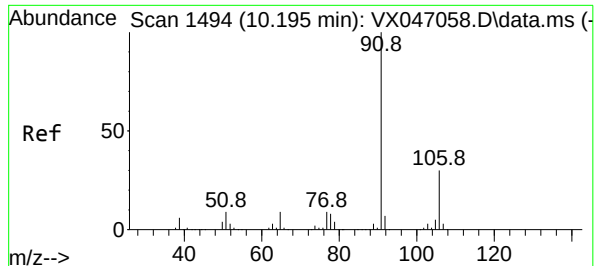
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 5.267 ug/l
RT: 10.164 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:131 Resp: 20300
Ion Ratio Lower Upper
131 100
133 97.1 48.4 145.3
119 66.9 32.4 97.0





#67

Ethyl Benzene

Concen: 5.345 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 91 Resp: 106984

Ion Ratio Lower Upper

91 100

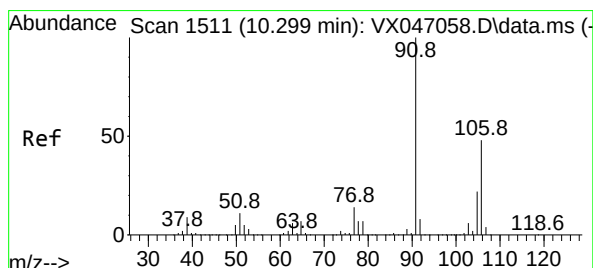
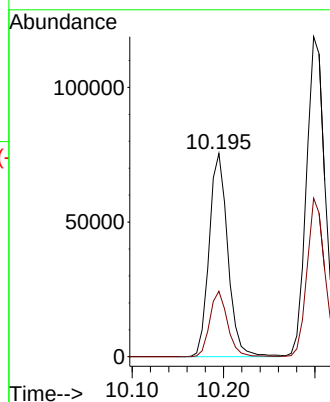
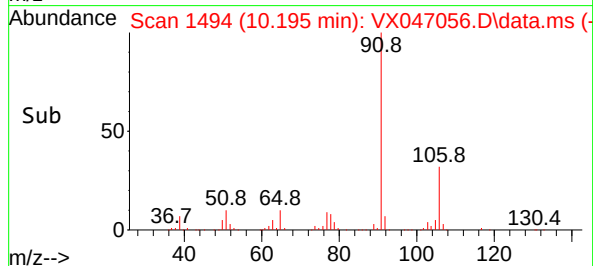
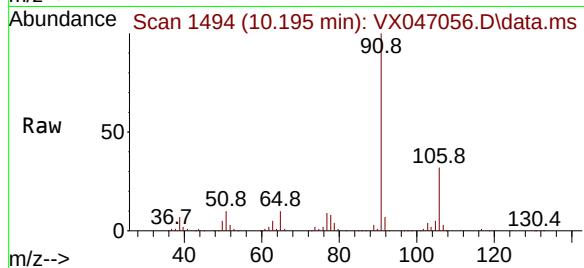
106 32.2 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#68

m/p-Xylenes

Concen: 10.791 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX047056.D

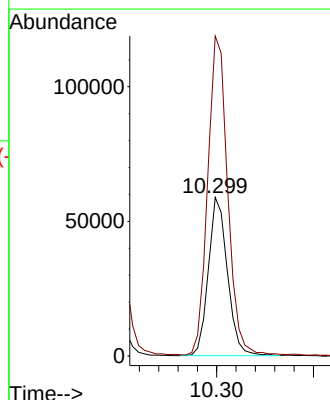
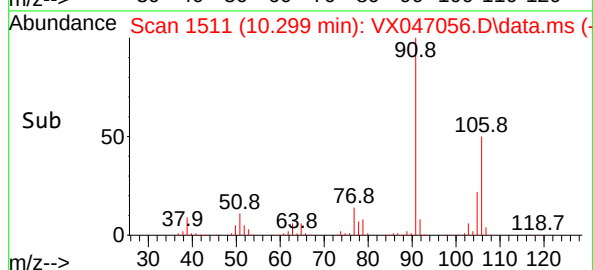
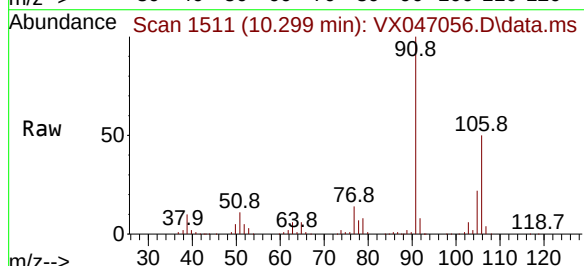
Acq: 21 Jul 2025 10:08

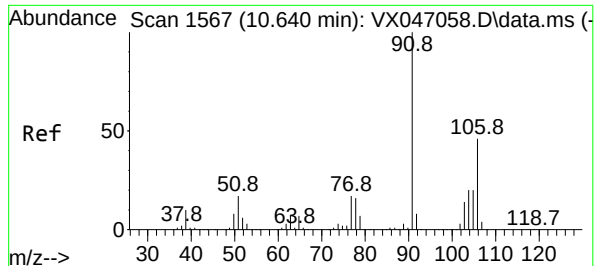
Tgt Ion:106 Resp: 80835

Ion Ratio Lower Upper

106 100

91 211.3 167.4 251.0





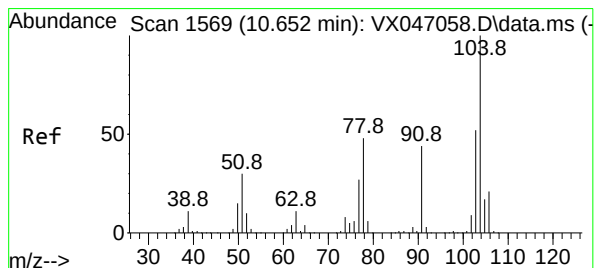
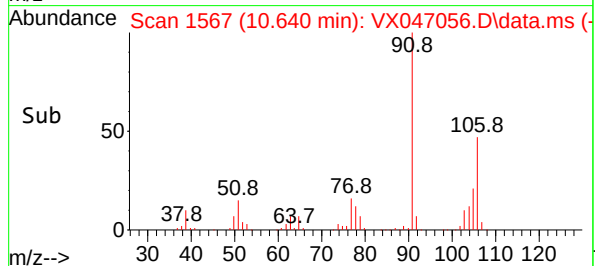
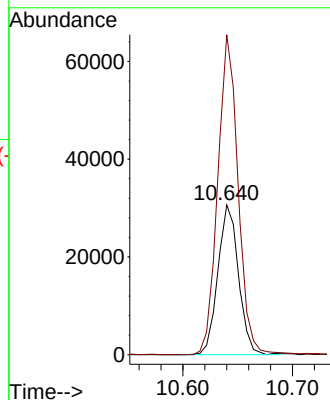
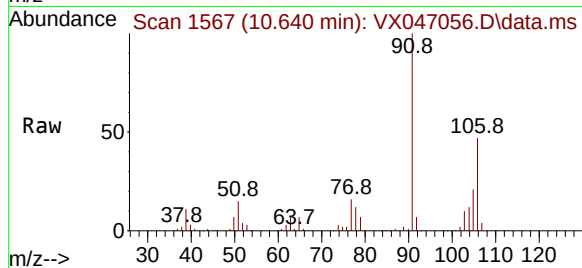
#69
o-Xylene
Concen: 5.623 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 4007
Ion Ratio Lower Upper
106 100
91 211.4 110.3 331.0

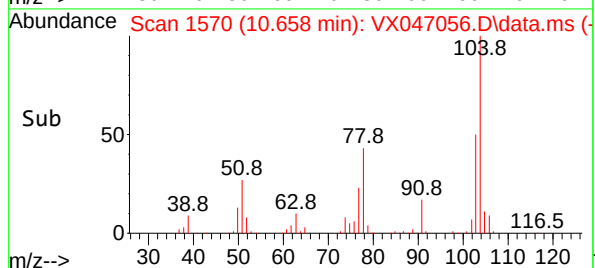
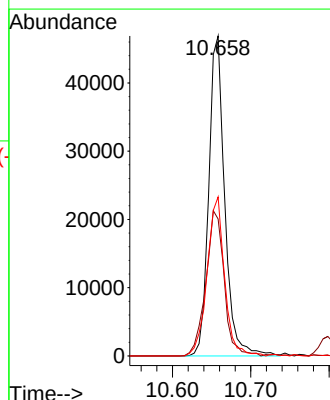
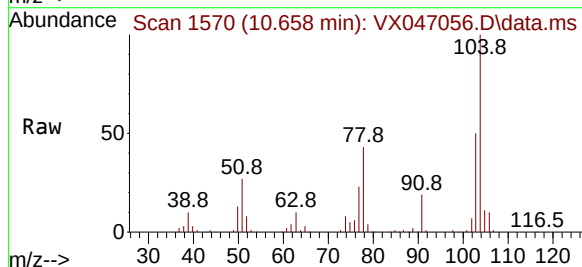
Manual Integrations
APPROVED

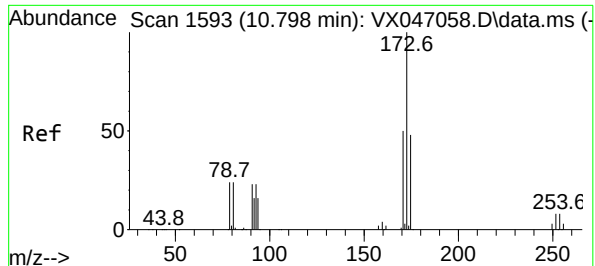
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#70
Styrene
Concen: 5.424 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

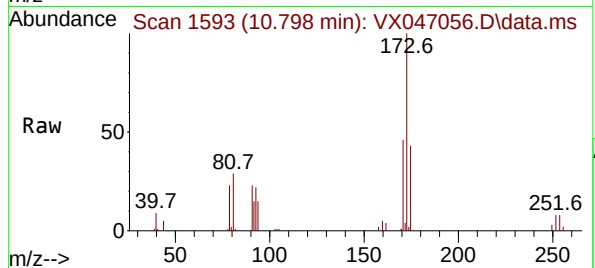
Tgt Ion:104 Resp: 66283
Ion Ratio Lower Upper
104 100
78 52.3 42.0 63.0
103 54.3 43.8 65.6





#71
Bromoform
Concen: 5.384 ug/l
RT: 10.798 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

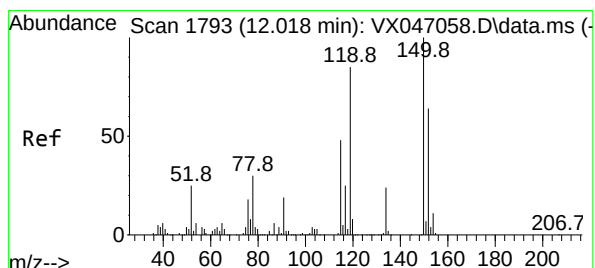
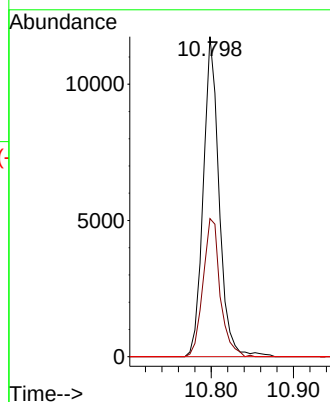
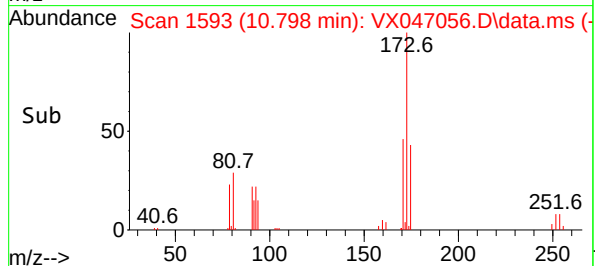
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:173 Resp: 1576
Ion Ratio Lower Upper
173 100
175 46.6 24.2 72.6
254 0.0 0.1 0.1

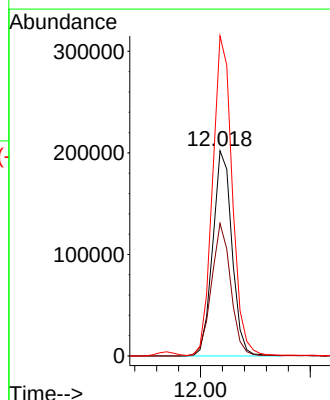
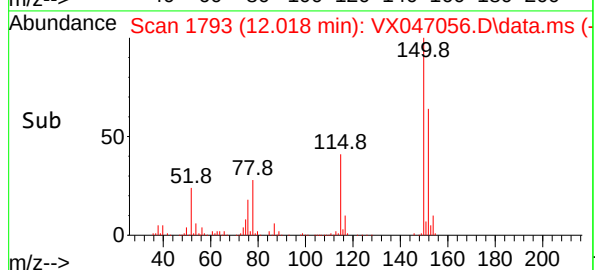
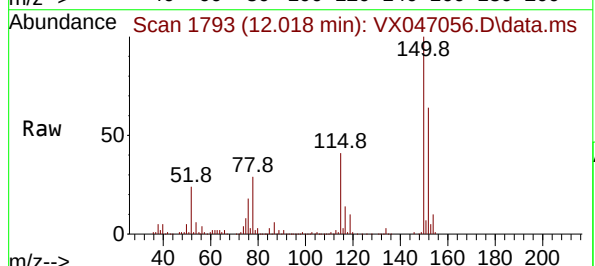
Manual Integrations
APPROVED

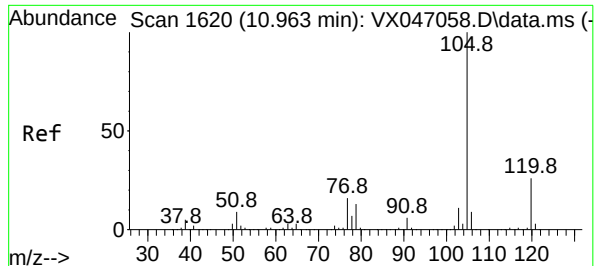
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:152 Resp: 246301
Ion Ratio Lower Upper
152 100
115 65.0 45.6 136.7
150 159.5 0.0 354.6





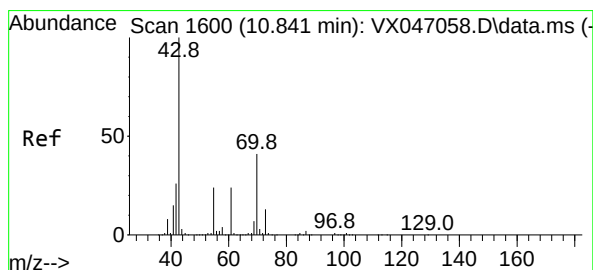
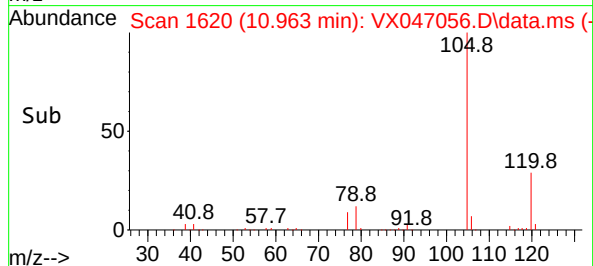
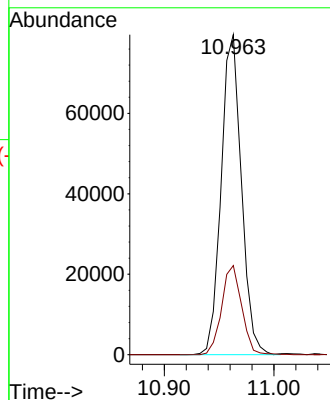
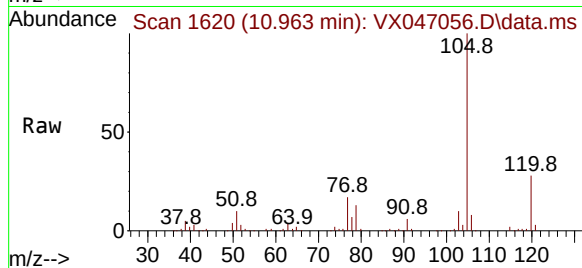
#73
Isopropylbenzene
Concen: 5.257 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:105 Resp: 10215
Ion Ratio Lower Upper
105 100
120 27.6 12.9 38.7

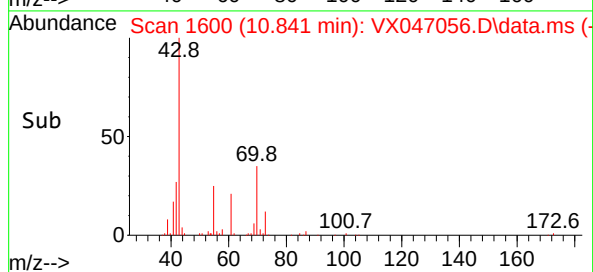
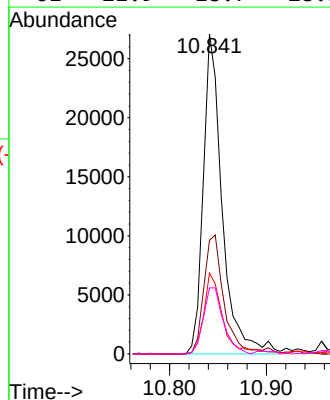
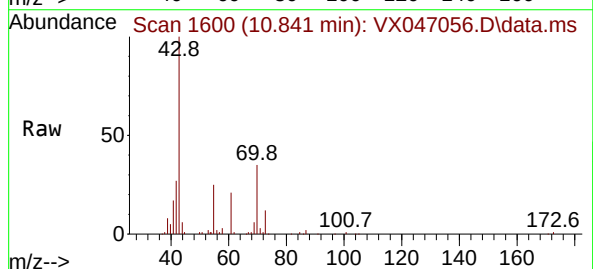
Manual Integrations
APPROVED

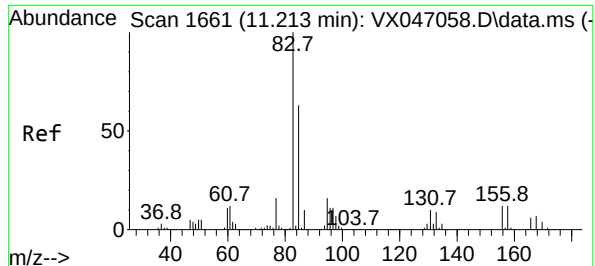
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#74
N-ethyl acetate
Concen: 4.769 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 43 Resp: 36965
Ion Ratio Lower Upper
43 100
70 40.0 32.3 48.5
55 25.3 18.9 28.3
61 21.9 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 5.338 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

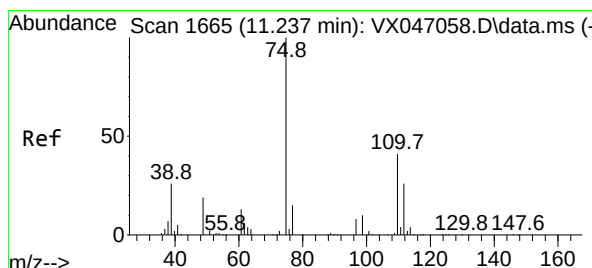
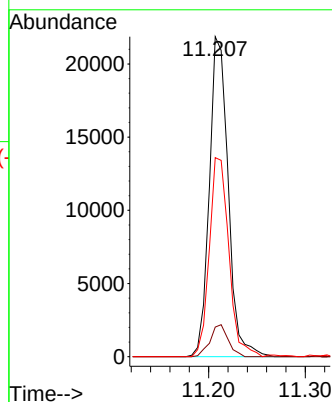
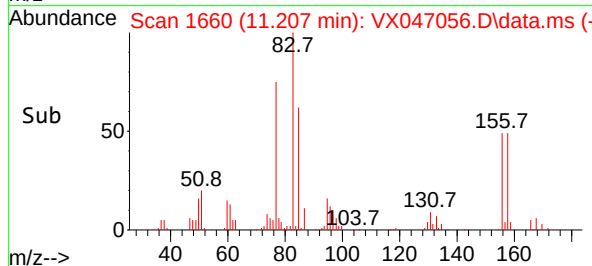
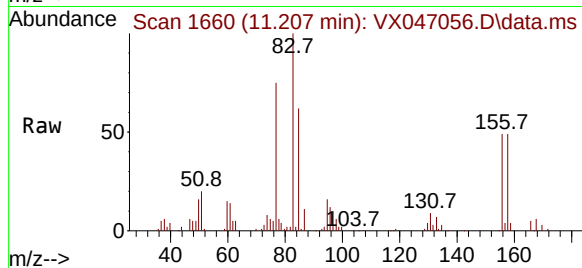
Tgt Ion:	83	Resp:	2962
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	14.9
85	64.5	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#76

1,2,3-Trichloropropane

Concen: 5.546 ug/l m

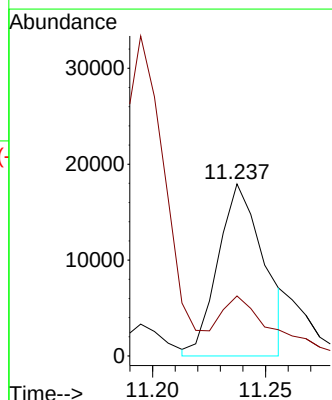
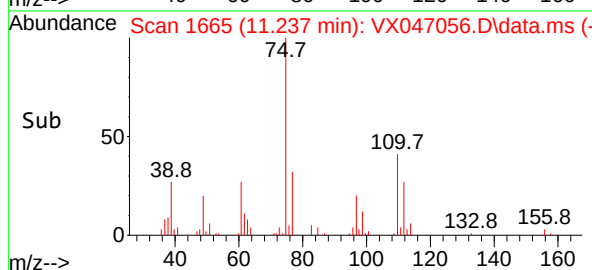
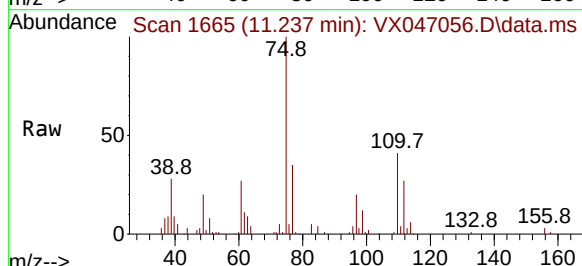
RT: 11.237 min Scan# 1665

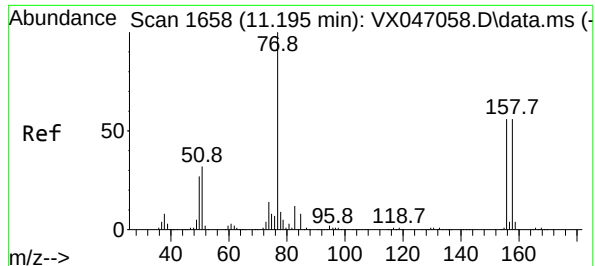
Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

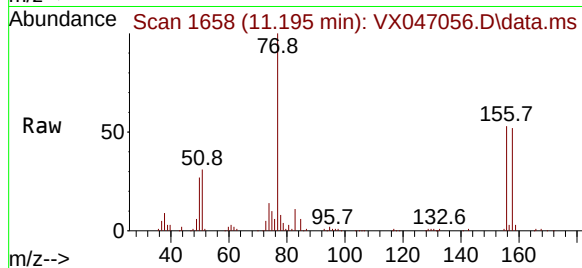
Tgt Ion:	75	Resp:	25285
Ion Ratio	Lower	Upper	
75	100		
77	38.7	21.6	65.0





#77
Bromobenzene
Concen: 5.267 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

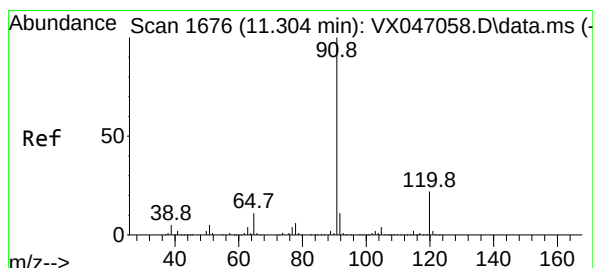
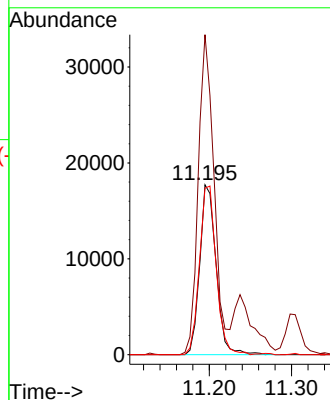
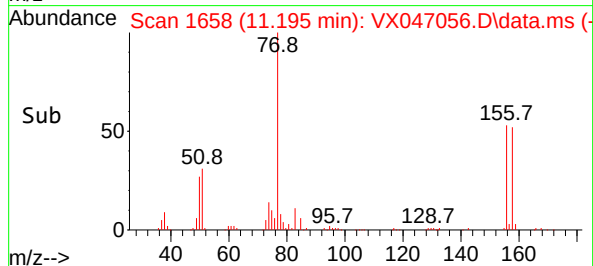
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:156 Resp: 24549
Ion Ratio Lower Upper
156 100
77 182.6 87.3 261.9
158 101.5 48.9 146.6

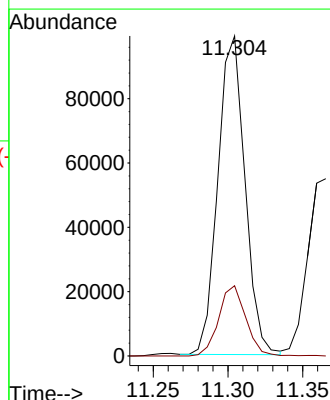
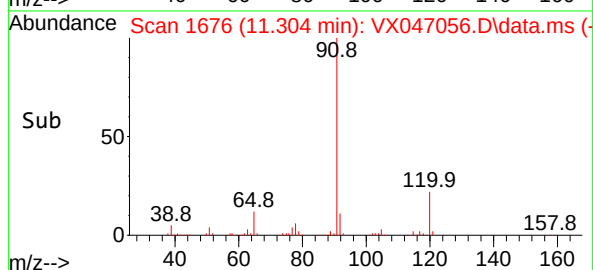
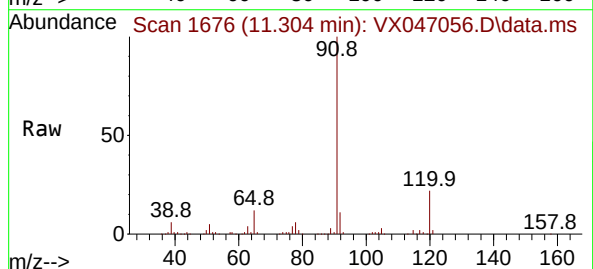
Manual Integrations
APPROVED

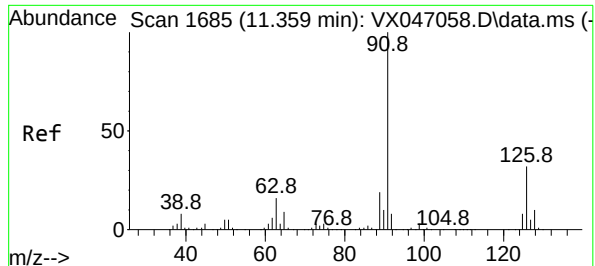
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#78
n-propylbenzene
Concen: 5.368 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 91 Resp: 124648
Ion Ratio Lower Upper
91 100
120 22.2 11.0 33.0





#79

2-Chlorotoluene

Concen: 5.387 ug/l

RT: 11.365 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 7478

Ion Ratio Lower Upper

91 100

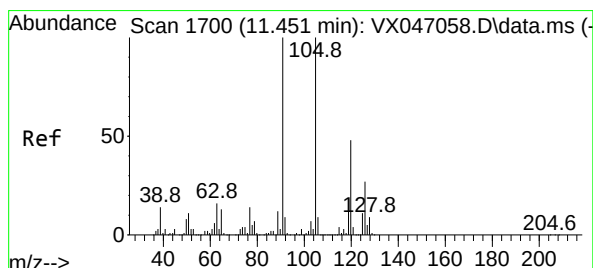
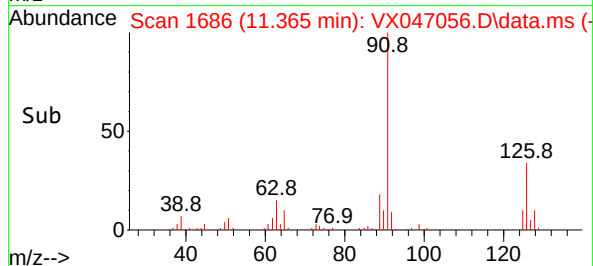
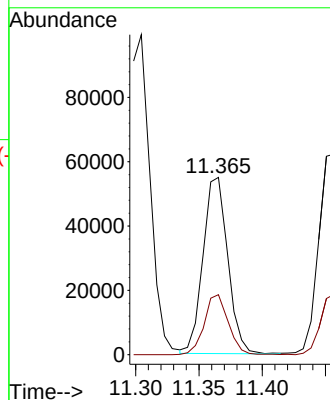
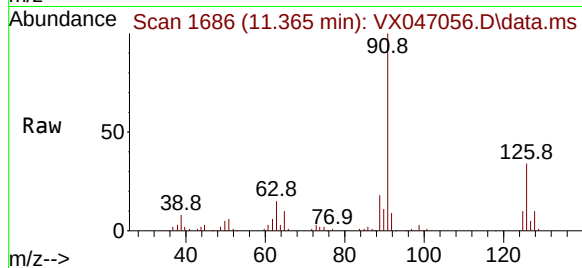
126 33.0 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#80

1,3,5-Trimethylbenzene

Concen: 5.383 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX047056.D

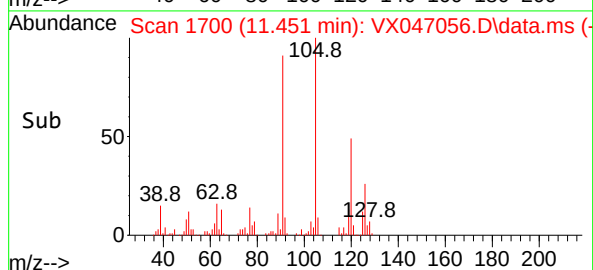
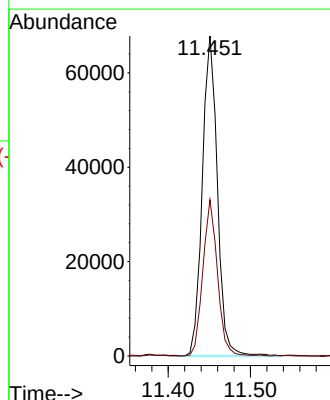
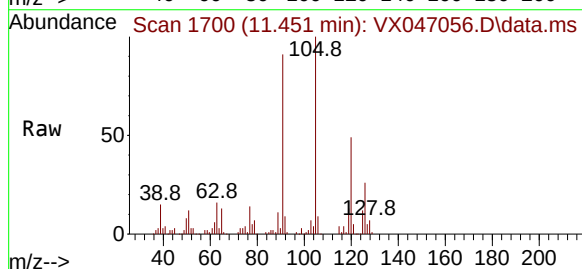
Acq: 21 Jul 2025 10:08

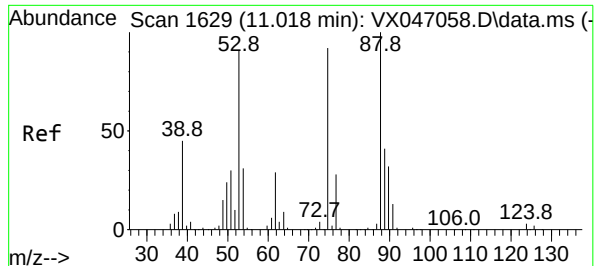
Tgt Ion:105 Resp: 86414

Ion Ratio Lower Upper

105 100

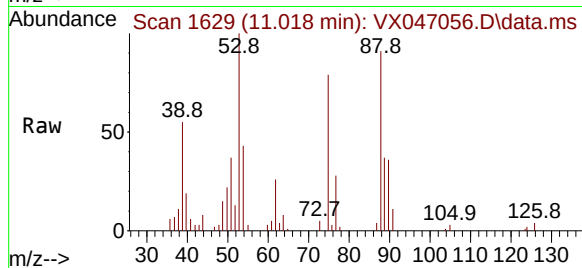
120 47.4 23.8 71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 4.186 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

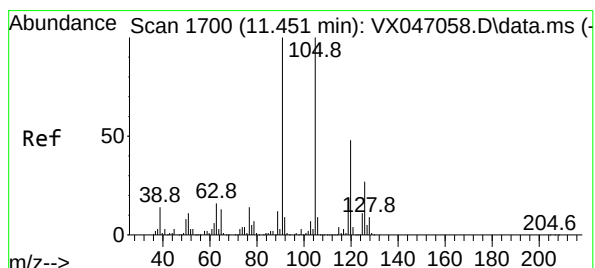
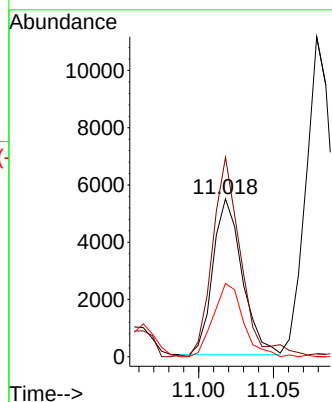
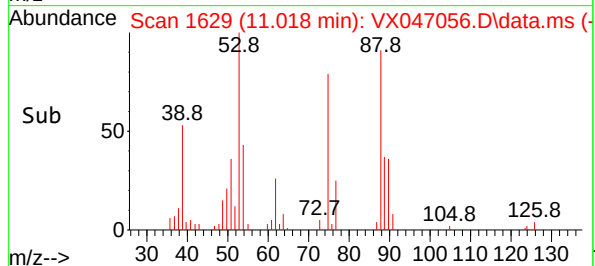
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion	Ratio	Lower	Upper
75	100		
53	124.4	84.2	126.4
89	48.2	36.0	54.0

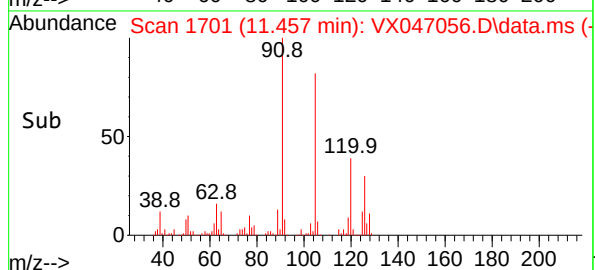
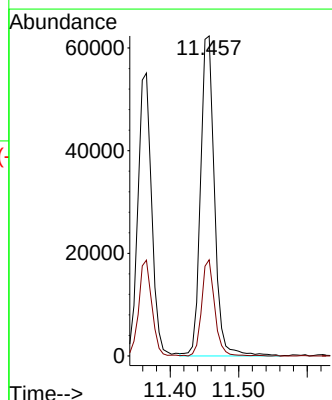
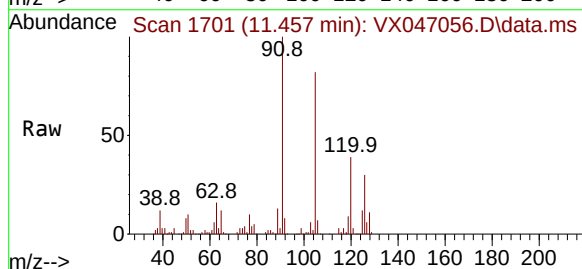
Manual Integrations
APPROVED

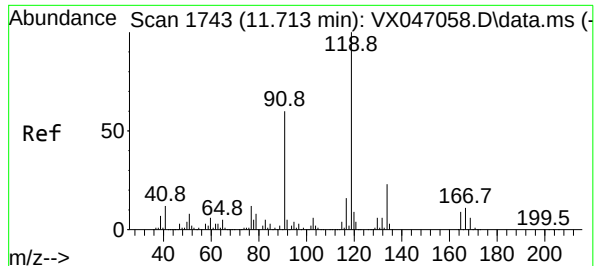
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#82
4-Chlorotoluene
Concen: 5.450 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

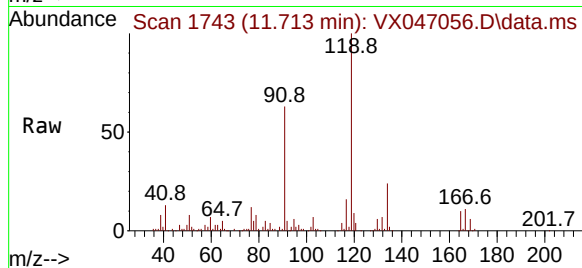
Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.1	42.3





#83
tert-Butylbenzene
Concen: 5.248 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

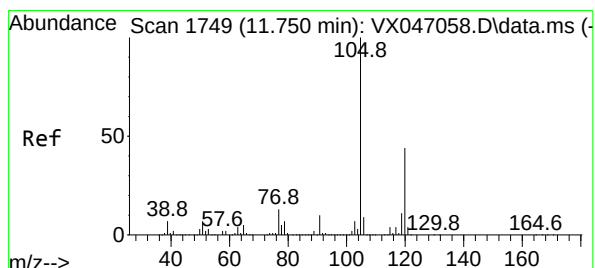
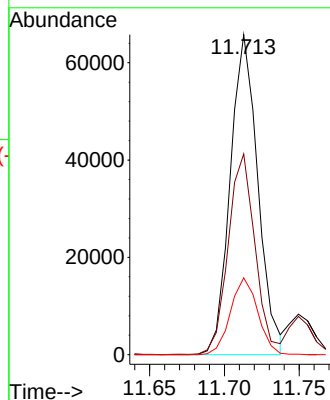
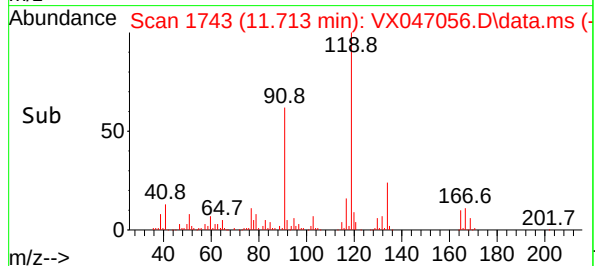
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



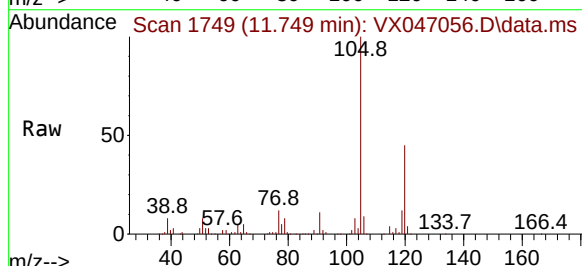
Tgt Ion:119 Resp: 84560
Ion Ratio Lower Upper
119 100
91 61.4 29.6 88.8
134 23.8 11.4 34.1

Manual Integrations
APPROVED

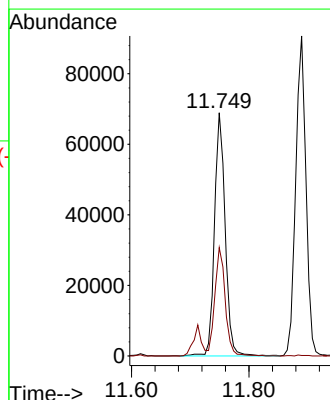
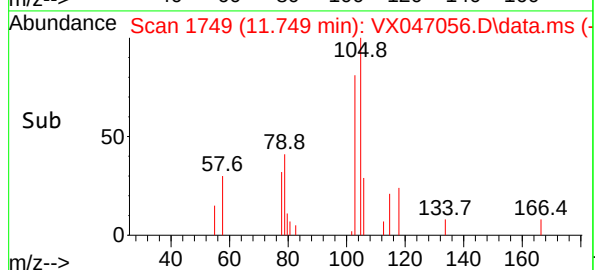
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

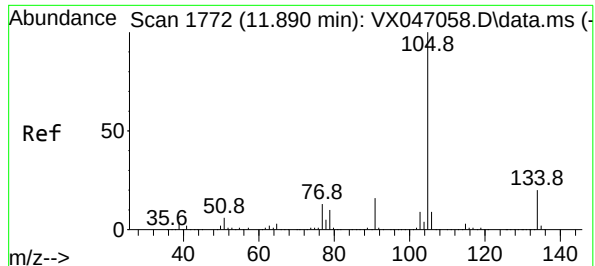


#84
1,2,4-Trimethylbenzene
Concen: 5.451 ug/l
RT: 11.749 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08



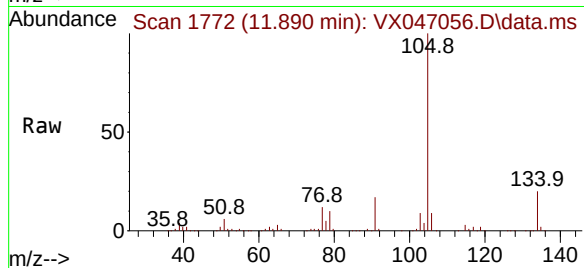
Tgt Ion:105 Resp: 87289
Ion Ratio Lower Upper
105 100
120 43.1 22.0 66.0





#85
sec-Butylbenzene
Concen: 5.477 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

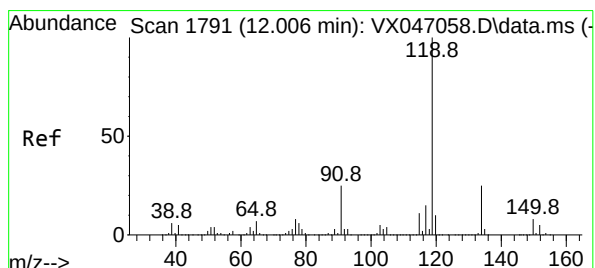
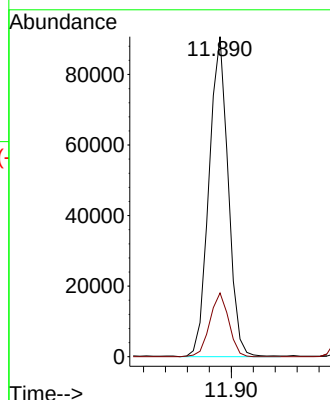
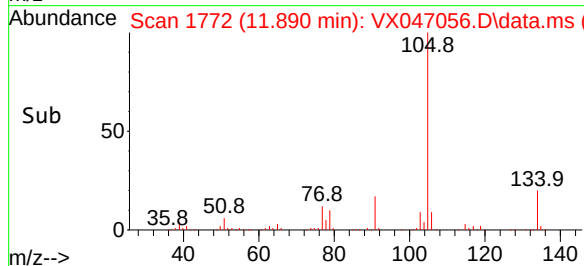
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:105 Resp: 11025
Ion Ratio Lower Upper
105 100
134 19.6 9.9 29.7

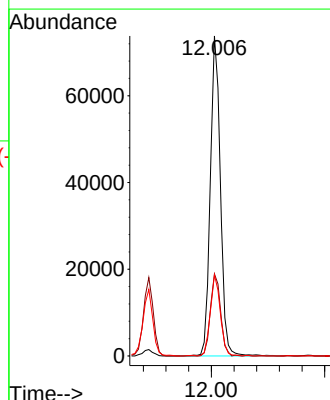
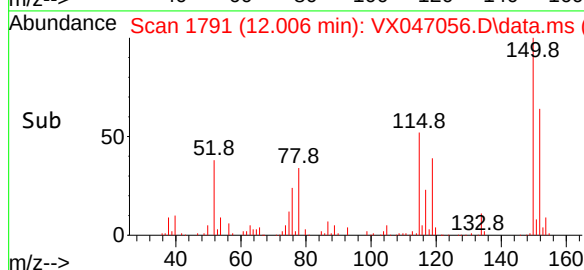
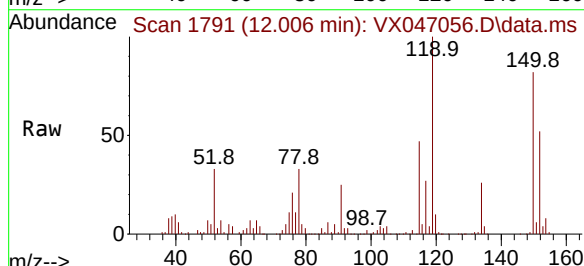
Manual Integrations
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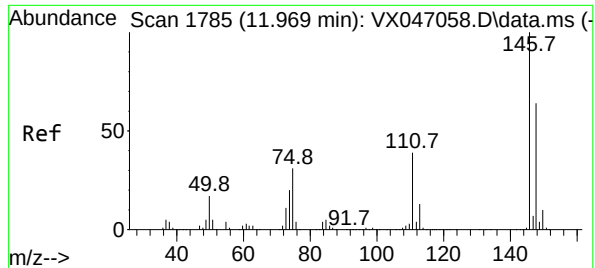
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#86
p-Isopropyltoluene
Concen: 5.457 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:119 Resp: 91112
Ion Ratio Lower Upper
119 100
134 25.9 12.8 38.4
91 25.1 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 5.473 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 48460

Ion Ratio Lower Upper

146 100

111 42.3 21.0 63.0

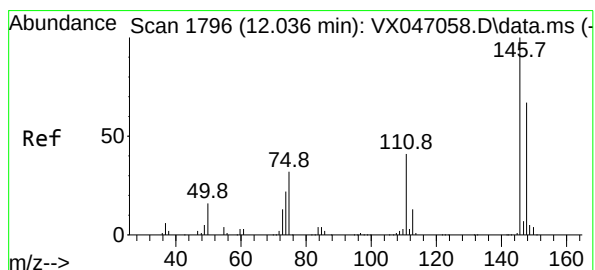
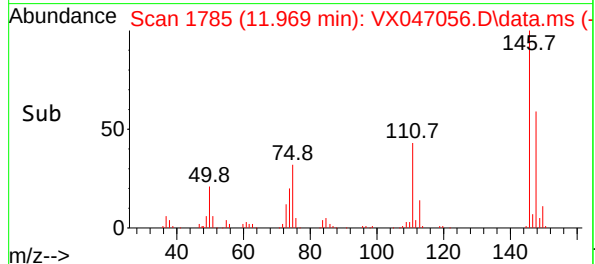
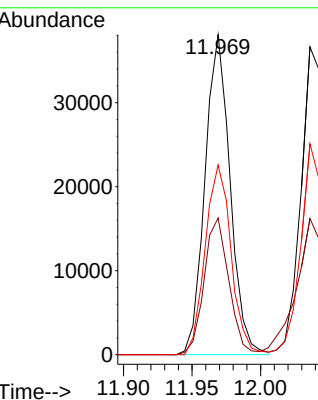
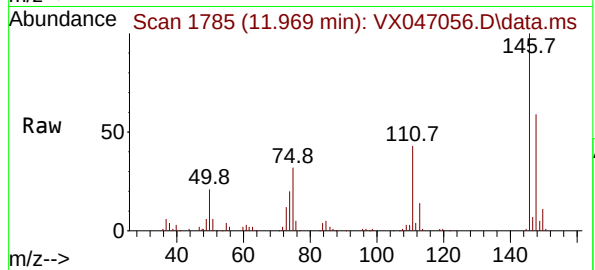
148 61.3 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#88

1,4-Dichlorobenzene

Concen: 5.441 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

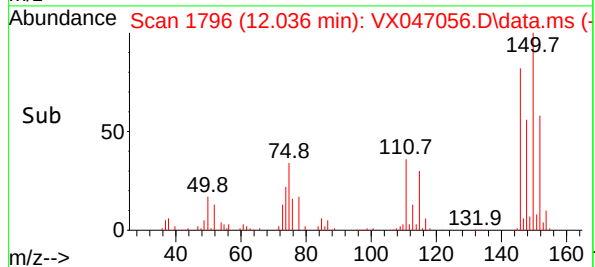
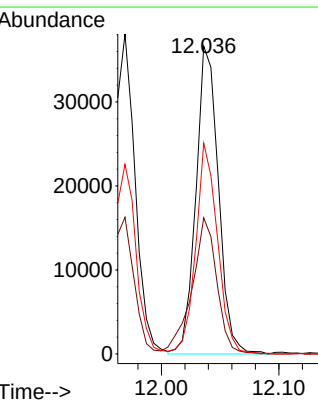
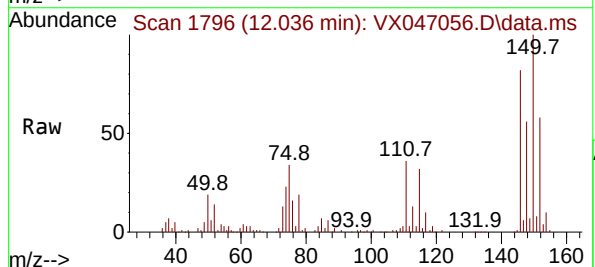
Tgt Ion:146 Resp: 48817

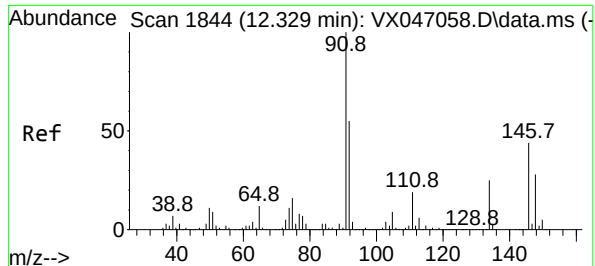
Ion Ratio Lower Upper

146 100

111 49.0 20.6 61.9

148 66.3 33.0 98.9





#89

n-Butylbenzene

Concen: 5.219 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

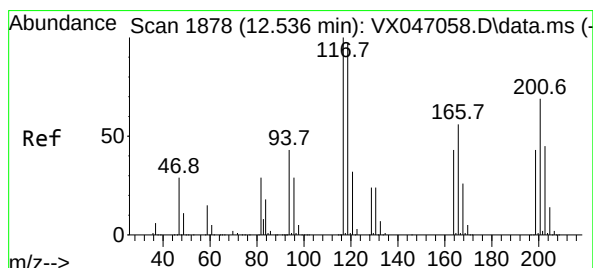
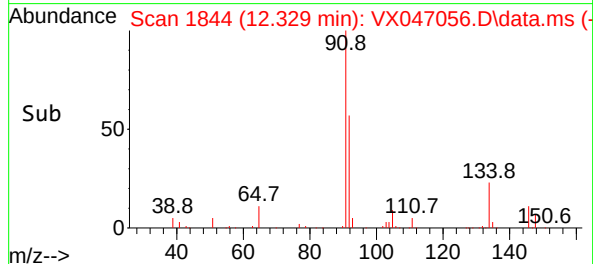
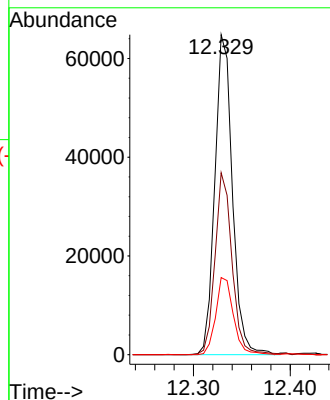
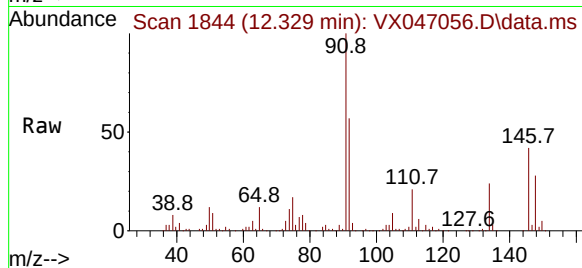
Tgt Ion:	91	Resp:	81710
Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.5	82.5
134	24.3	12.8	38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#90

Hexachloroethane

Concen: 4.953 ug/l

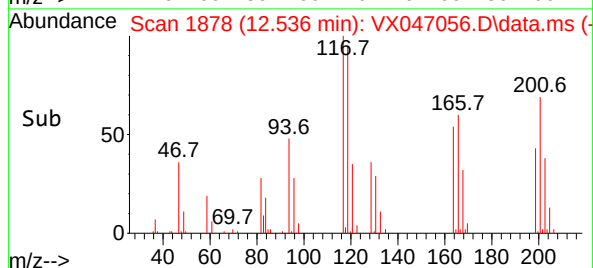
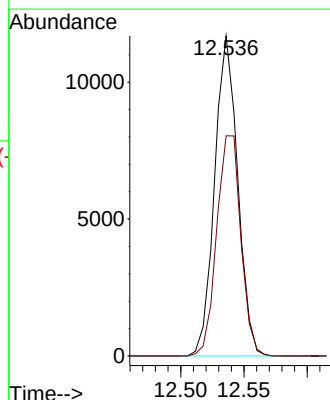
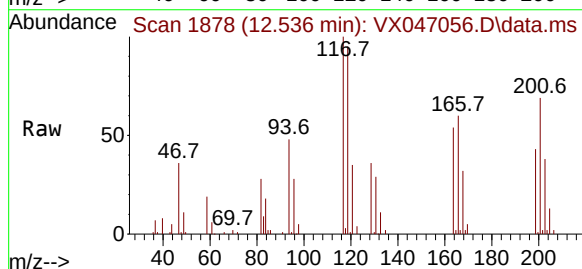
RT: 12.536 min Scan# 1878

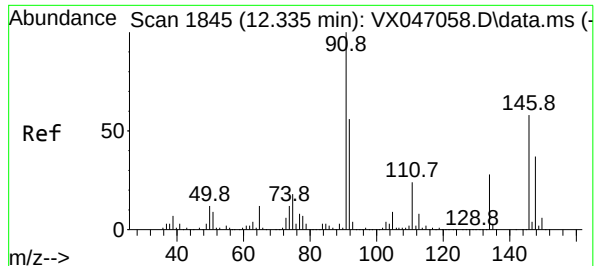
Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

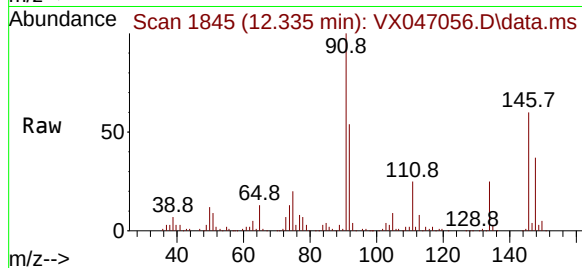
Tgt Ion:	117	Resp:	14794
Ion	Ratio	Lower	Upper
117	100		
201	72.2	34.8	104.5





#91
1,2-Dichlorobenzene
Concen: 5.450 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

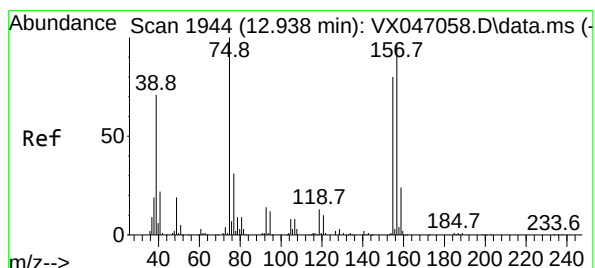
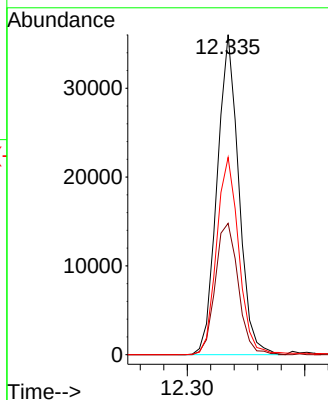
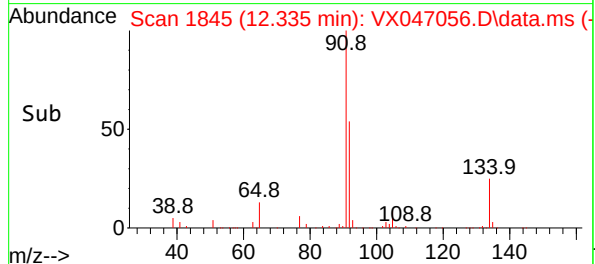
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:146 Resp: 46129
Ion Ratio Lower Upper
146 100
111 43.7 21.6 64.6
148 63.8 31.9 95.7

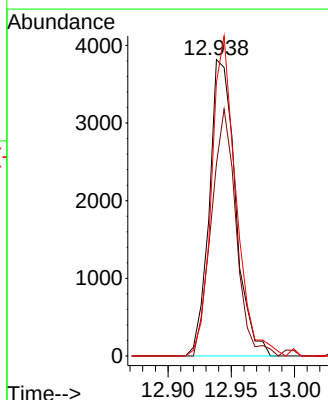
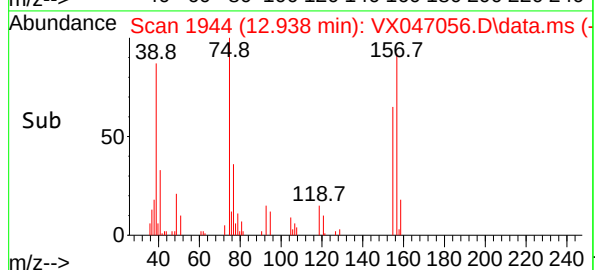
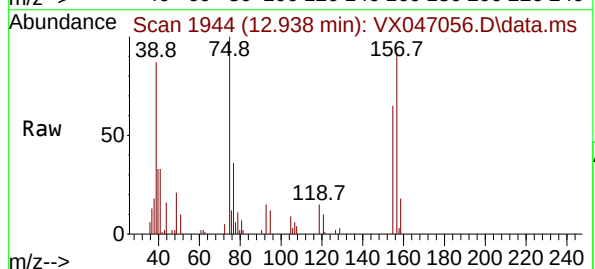
Manual Integrations
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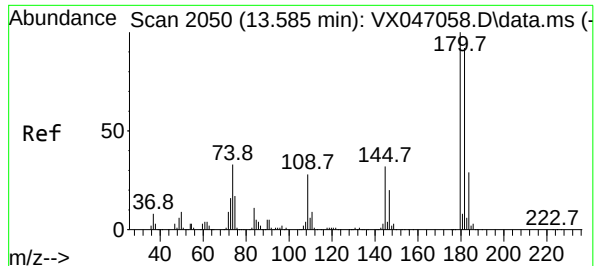
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.148 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 75 Resp: 5485
Ion Ratio Lower Upper
75 100
155 78.4 41.3 124.1
157 100.8 52.8 158.3





#93

1,2,4-Trichlorobenzene

Concen: 5.239 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

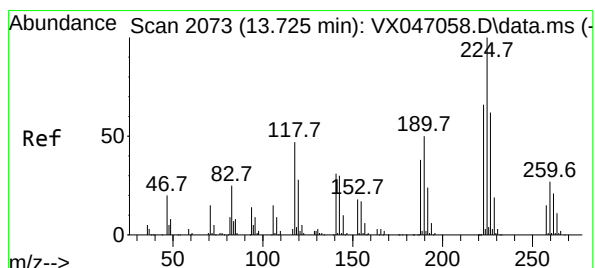
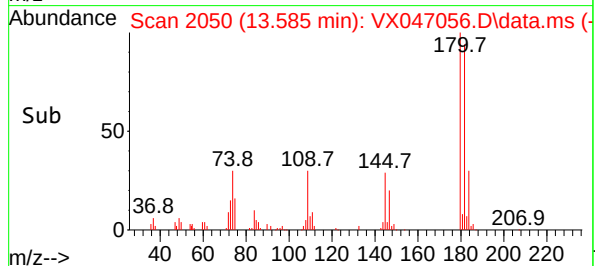
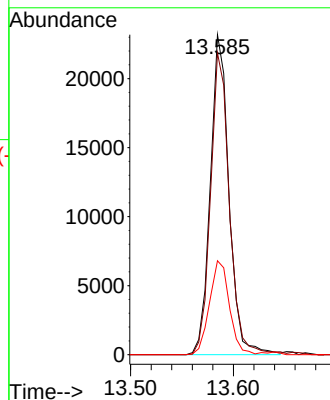
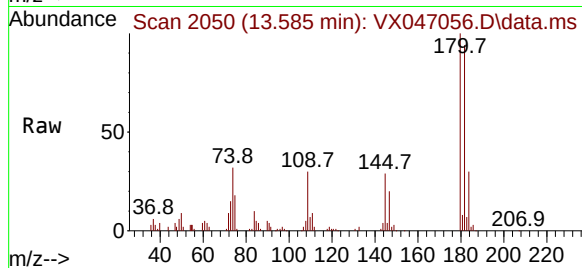
Tgt Ion:180	Resp:	29290
Ion Ratio	Lower	Upper
180	100	
182	94.9	47.3 141.8
145	31.2	16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#94

Hexachlorobutadiene

Concen: 5.122 ug/l

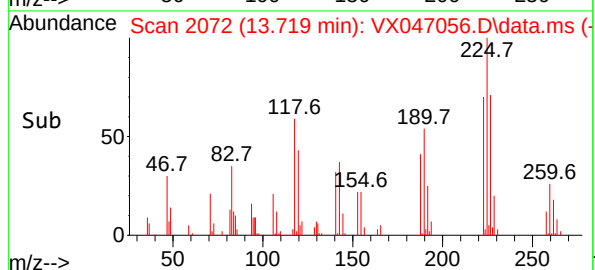
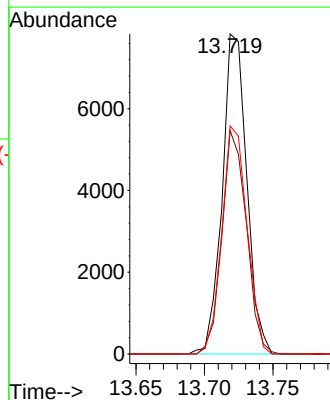
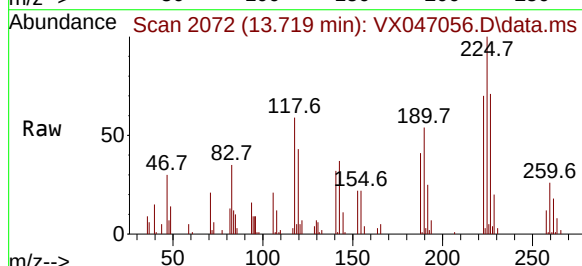
RT: 13.719 min Scan# 2072

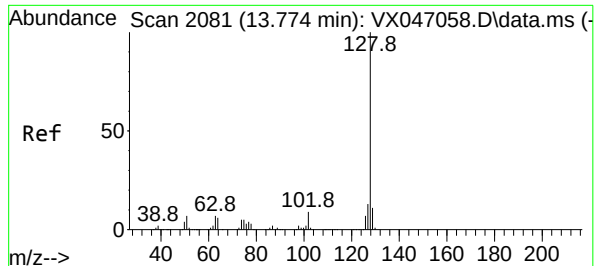
Delta R.T. -0.006 min

Lab File: VX047056.D

Acq: 21 Jul 2025 10:08

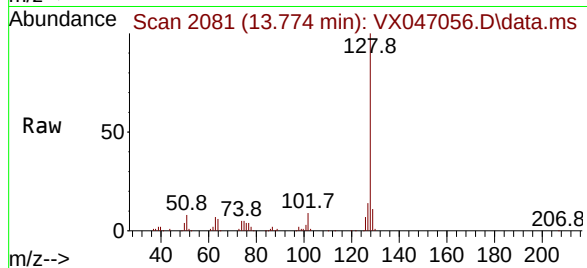
Tgt Ion:225	Resp:	9742
Ion Ratio	Lower	Upper
225	100	
223	69.6	31.6 95.0
227	73.4	32.9 98.6





#95
Naphthalene
Concen: 4.854 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

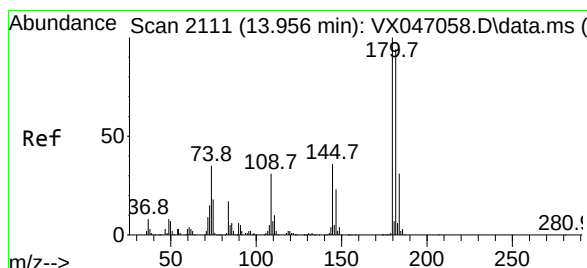
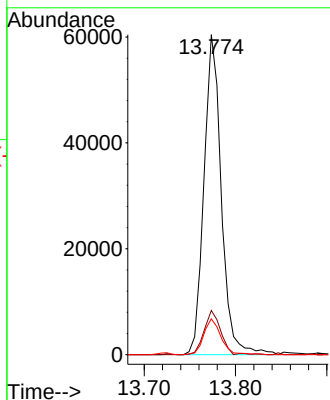
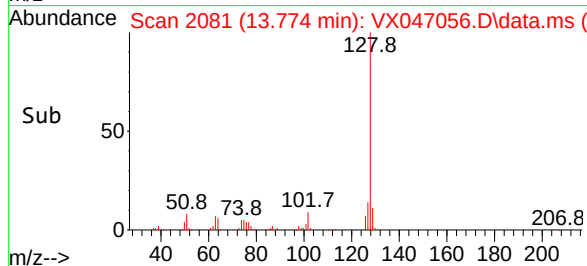
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:128 Resp: 7956
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 11.1 8.6 13.0

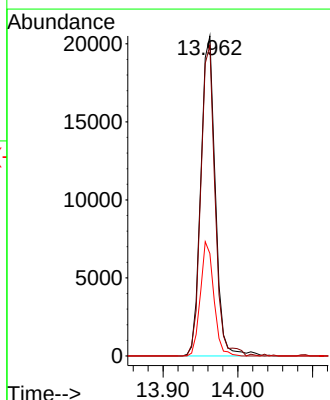
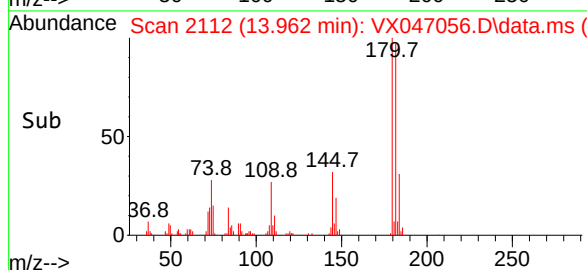
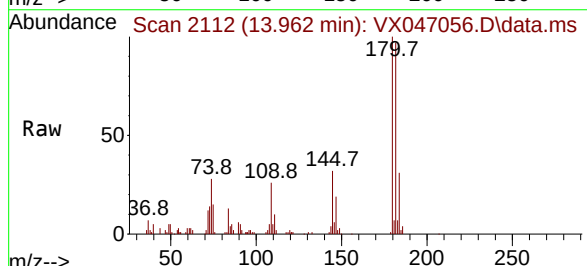
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 5.120 ug/l
RT: 13.962 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:180 Resp: 27584
Ion Ratio Lower Upper
180 100
182 95.2 46.9 140.6
145 33.1 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047057.D
 Acq On : 21 Jul 2025 10:29
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:37:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	320913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	544303	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	486572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	240632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	65541	16.395	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	32.800%#		
35) Dibromofluoromethane	5.397	113	57105	16.992	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	33.980%#		
50) Toluene-d8	8.653	98	178825	16.431	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	32.860%#		
62) 4-Bromofluorobenzene	11.079	95	80359	17.133	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	34.260%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.184	85	78327	18.376	ug/l	99
3) Chloromethane	1.306	50	80305	19.046	ug/l	98
4) Vinyl Chloride	1.386	62	89887	19.832	ug/l	96
5) Bromomethane	1.617	94	51290	20.832	ug/l	92
6) Chloroethane	1.703	64	55955	18.797	ug/l	99
7) Trichlorofluoromethane	1.904	101	135815	20.095	ug/l	98
8) Diethyl Ether	2.148	74	48319	20.277	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	82864	20.350	ug/l	100
10) Methyl Iodide	2.465	142	70850	17.073	ug/l	98
11) Tert butyl alcohol	2.959	59	48048	96.502	ug/l	98
12) 1,1-Dichloroethene	2.337	96	81489	20.206	ug/l	96
13) Acrolein	2.245	56	83483	96.989	ug/l	97
14) Allyl chloride	2.678	41	149196	20.465	ug/l	99
15) Acrylonitrile	3.074	53	203243	106.603	ug/l	100
16) Acetone	2.385	43	157932	98.619	ug/l	97
17) Carbon Disulfide	2.526	76	234036	20.059	ug/l	99
18) Methyl Acetate	2.715	43	81624	19.180	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	251581	20.497	ug/l	99
20) Methylene Chloride	2.806	84	90849	20.621	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	85583	20.738	ug/l	97
22) Diisopropyl ether	3.769	45	293875	20.967	ug/l	91
23) Vinyl Acetate	3.733	43	1192633	106.090	ug/l	99
24) 1,1-Dichloroethane	3.623	63	159828	20.507	ug/l	99
25) 2-Butanone	4.568	43	238246	102.172	ug/l	97
26) 2,2-Dichloropropane	4.495	77	119113	19.743	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	99794	20.420	ug/l	99
28) Bromochloromethane	4.909	49	72912	20.334	ug/l	97
29) Tetrahydrofuran	5.019	42	156819	104.232	ug/l	100
30) Chloroform	5.104	83	160698	20.255	ug/l	100
31) Cyclohexane	5.482	56	152430	20.397	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	141289	20.503	ug/l	100
36) 1,1-Dichloropropene	5.702	75	114925	20.062	ug/l	99
37) Ethyl Acetate	4.726	43	95455	18.907	ug/l	99
38) Carbon Tetrachloride	5.684	117	123204	20.150	ug/l	99
39) Methylcyclohexane	7.385	83	146762	20.519	ug/l	99
40) Benzene	6.049	78	342454	20.656	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047057.D
 Acq On : 21 Jul 2025 10:29
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:37:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	56166	20.350	ug/l	95
42) 1,2-Dichloroethane	6.098	62	121515	20.808	ug/l	98
43) Isopropyl Acetate	6.342	43	171186	20.802	ug/l	99
44) Trichloroethene	7.128	130	85446	20.099	ug/l	98
45) 1,2-Dichloropropane	7.433	63	85547	20.603	ug/l	94
46) Dibromomethane	7.586	93	59949	20.588	ug/l	99
47) Bromodichloromethane	7.824	83	126091	20.345	ug/l	99
48) Methyl methacrylate	7.695	41	86386	19.269	ug/l	97
49) 1,4-Dioxane	7.665	88	21524	422.133	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	511307	104.532	ug/l	99
52) Toluene	8.720	92	214955	21.087	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	118872	20.311	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	134587	21.011	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	81137	21.224	ug/l	98
56) Ethyl methacrylate	9.116	69	121053	21.389	ug/l	98
57) 1,3-Dichloropropane	9.311	76	139031	20.925	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	294878	93.631	ug/l	100
59) 2-Hexanone	9.427	43	352298	109.015	ug/l	97
60) Dibromochloromethane	9.518	129	93165	20.779	ug/l	100
61) 1,2-Dibromoethane	9.610	107	82035	20.522	ug/l	99
64) Tetrachloroethene	9.274	164	74177	21.147	ug/l	95
65) Chlorobenzene	10.079	112	238428	20.917	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	78682	20.502	ug/l	98
67) Ethyl Benzene	10.195	91	412412	20.693	ug/l	99
68) m/p-Xylenes	10.299	106	309353	41.478	ug/l	98
69) o-Xylene	10.640	106	149592	21.083	ug/l	100
70) Styrene	10.652	104	259267	21.310	ug/l	100
71) Bromoform	10.799	173	58699	20.135	ug/l #	100
73) Isopropylbenzene	10.963	105	399077	21.021	ug/l	100
74) N-amyl acetate	10.841	43	155675	20.558	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	113741	20.975	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	92003m	20.656	ug/l	
77) Bromobenzene	11.195	156	95957	21.073	ug/l	97
78) n-propylbenzene	11.298	91	476196	20.991	ug/l	100
79) 2-Chlorotoluene	11.359	91	278615	20.545	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	330824	21.093	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	31878	18.440	ug/l	94
82) 4-Chlorotoluene	11.451	91	331629	20.951	ug/l	99
83) tert-Butylbenzene	11.713	119	323819	20.571	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	328672	21.010	ug/l	100
85) sec-Butylbenzene	11.890	105	410930	20.892	ug/l	99
86) p-Isopropyltoluene	12.006	119	343591	21.065	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	179867	20.789	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	183173	20.897	ug/l	98
89) n-Butylbenzene	12.329	91	319940	20.916	ug/l	98
90) Hexachloroethane	12.536	117	58057	19.896	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	169749	20.528	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	21427	20.585	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	111525	20.413	ug/l	99
94) Hexachlorobutadiene	13.719	225	39186	21.090	ug/l	96
95) Naphthalene	13.774	128	329630	20.581	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	107542	20.432	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/22/2025
Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

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

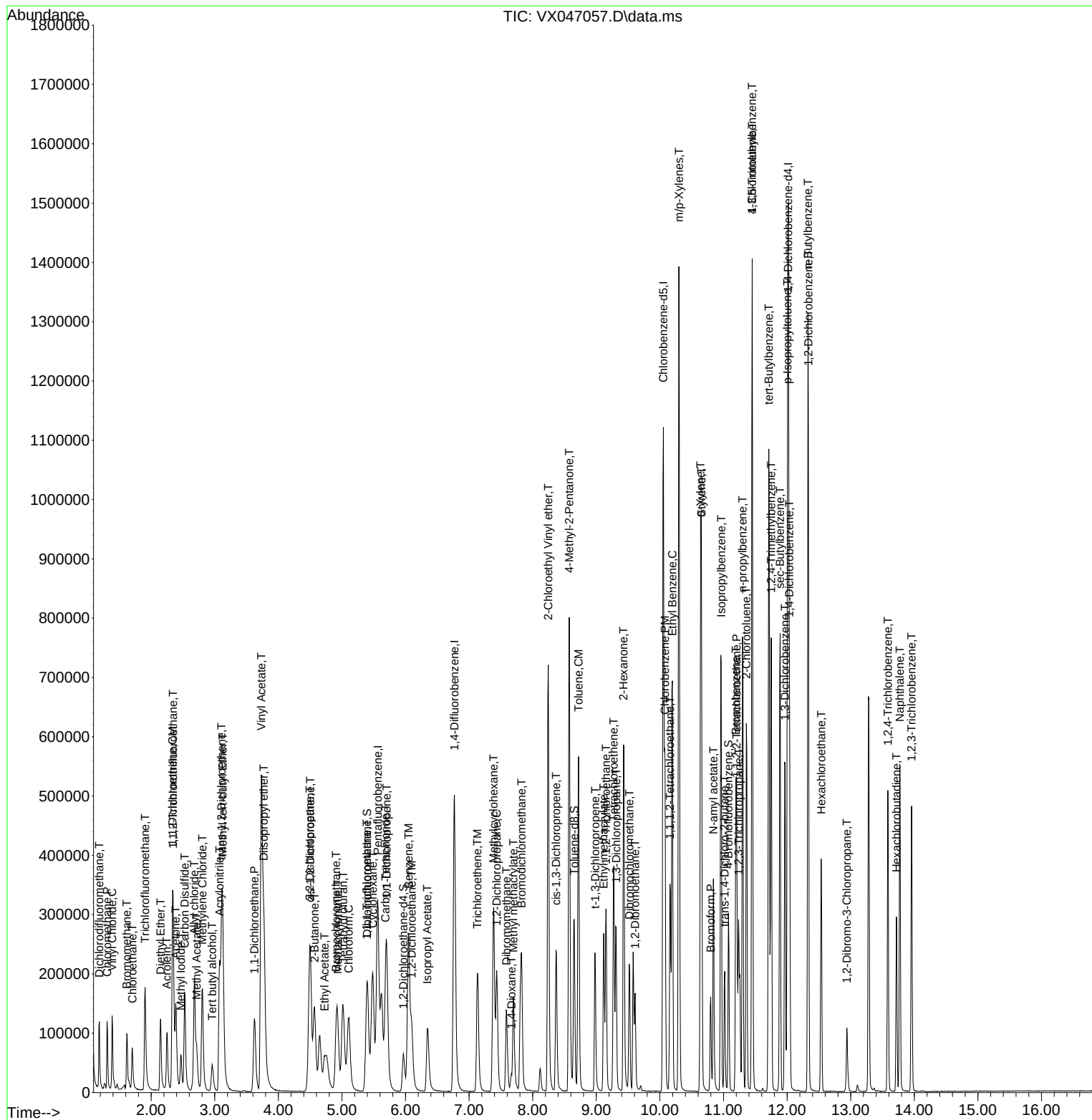
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Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

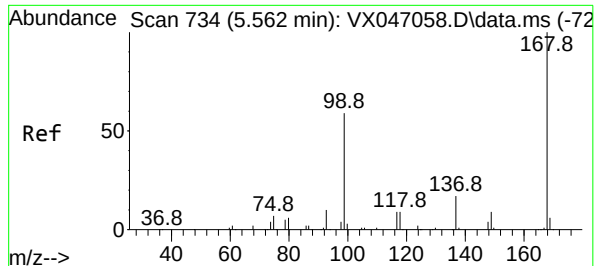
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration





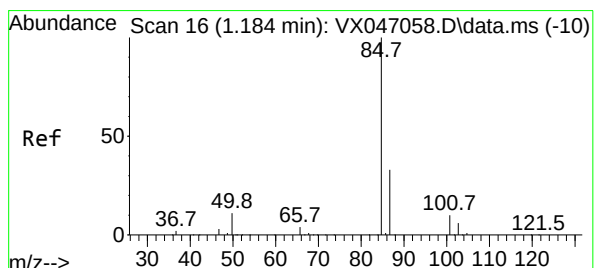
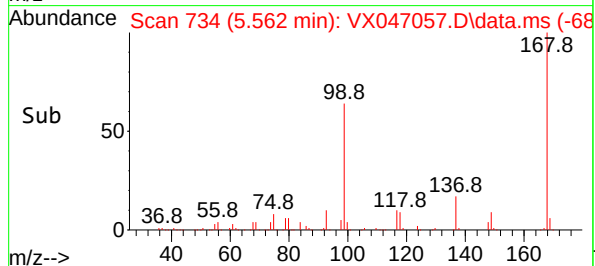
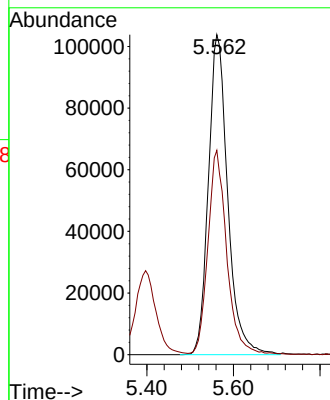
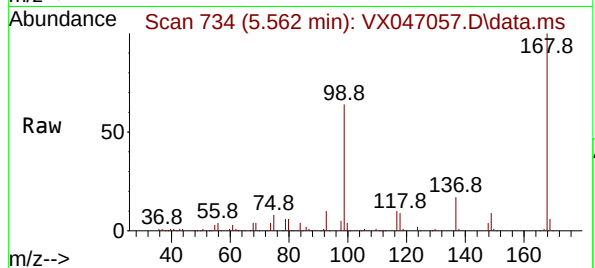
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 32091
Ion Ratio Lower Upper
168 100
99 63.5 48.0 72.0

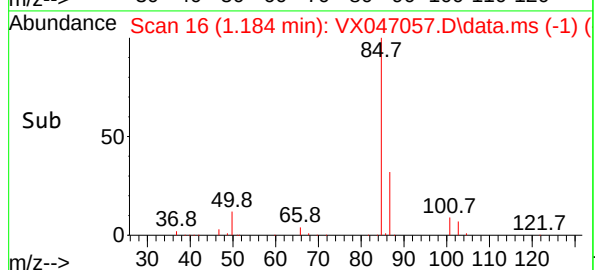
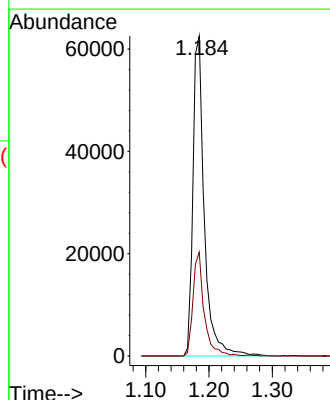
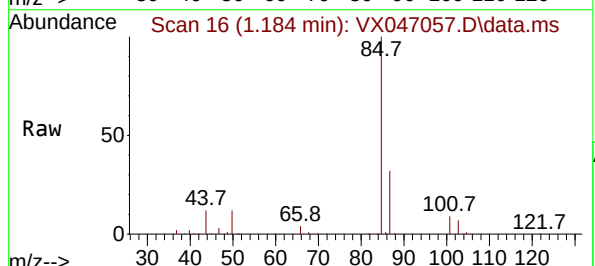
Manual Integrations
APPROVED

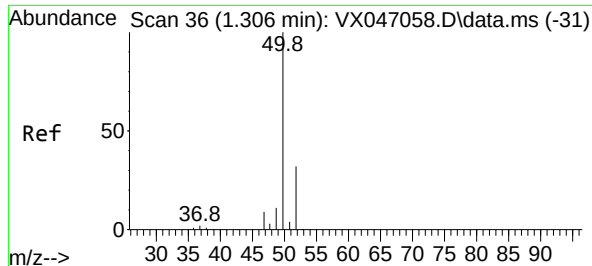
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#2
Dichlorodifluoromethane
Concen: 18.376 ug/l
RT: 1.184 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 85 Resp: 78327
Ion Ratio Lower Upper
85 100
87 32.4 16.6 49.8





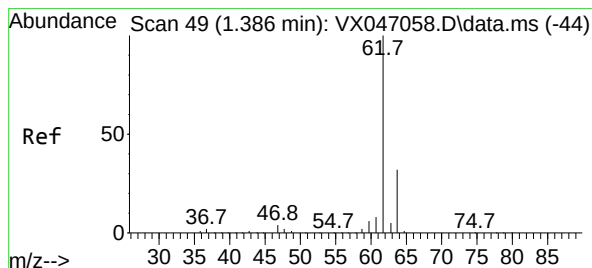
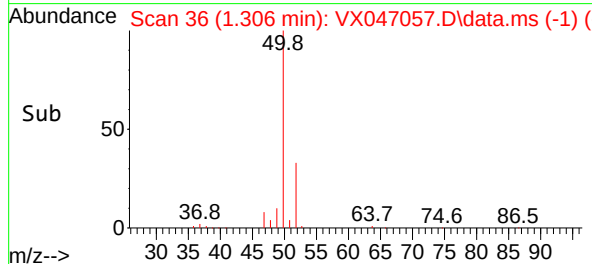
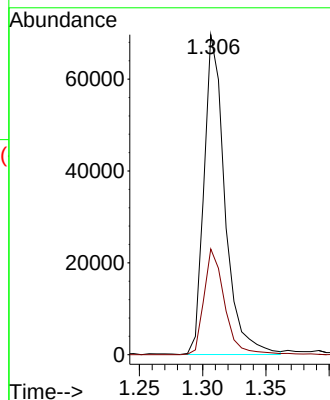
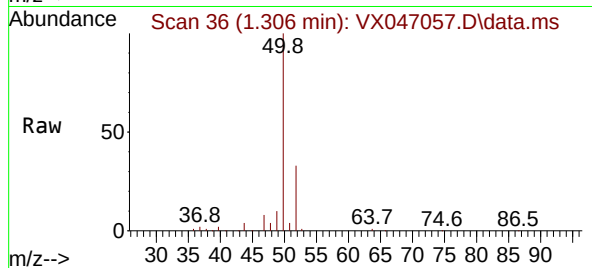
#3
Chloromethane
Concen: 19.046 ug/l
RT: 1.306 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 8030
Ion Ratio Lower Upper
50 100
52 33.1 25.4 38.2

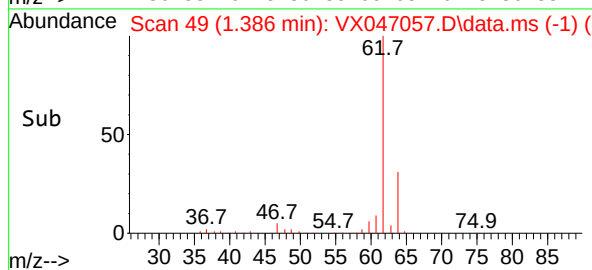
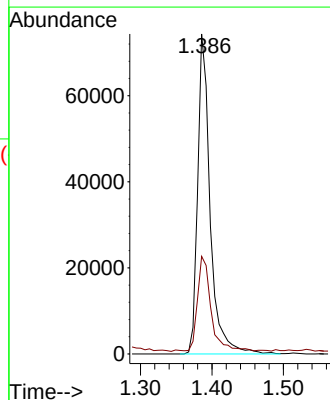
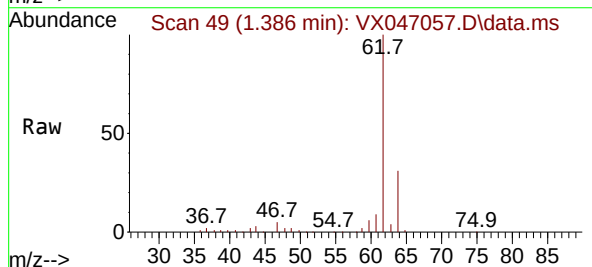
Manual Integrations
APPROVED

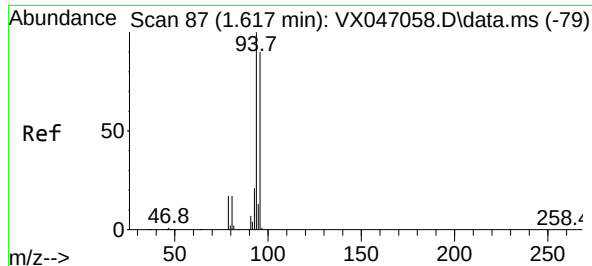
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#4
Vinyl Chloride
Concen: 19.832 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

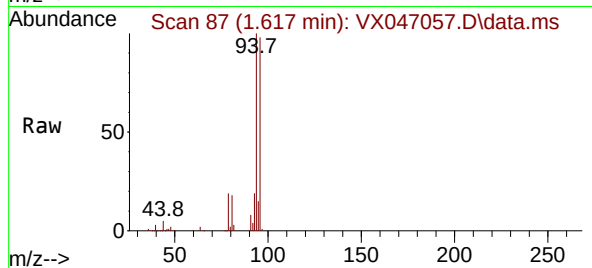
Tgt Ion: 62 Resp: 89887
Ion Ratio Lower Upper
62 100
64 29.5 25.2 37.8





#5
Bromomethane
Concen: 20.832 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

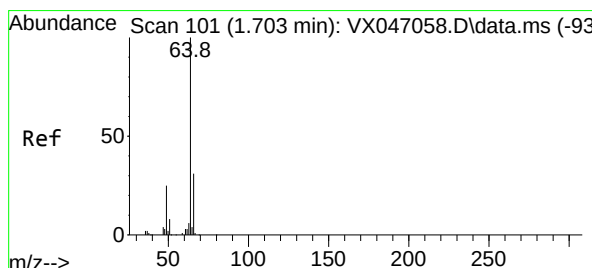
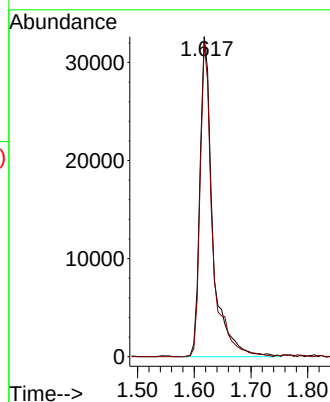
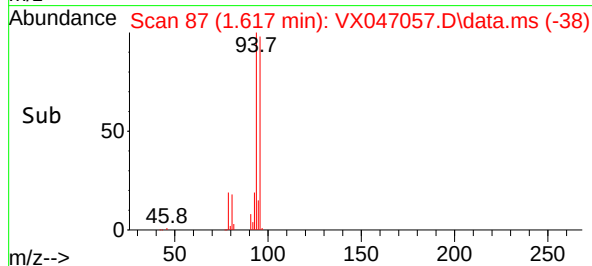
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion: 94 Resp: 51290
Ion Ratio Lower Upper
94 100
96 98.1 72.3 108.5

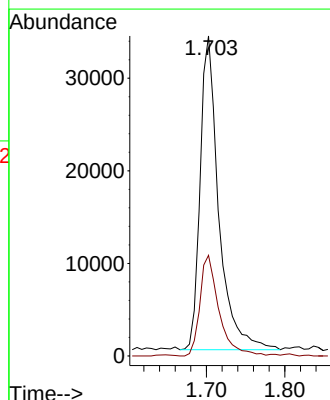
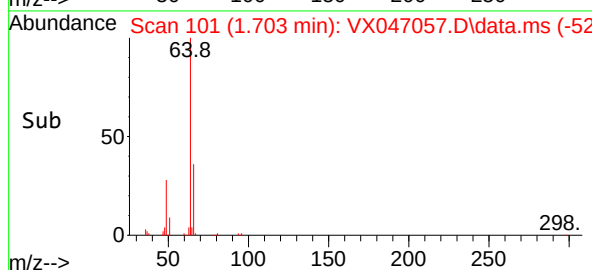
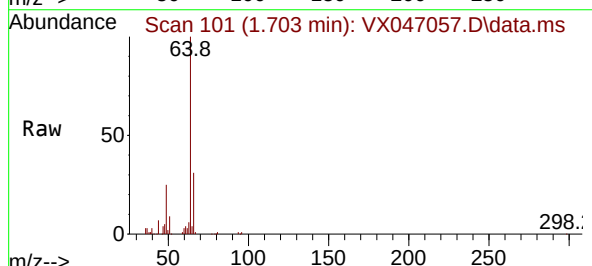
Manual Integrations
APPROVED

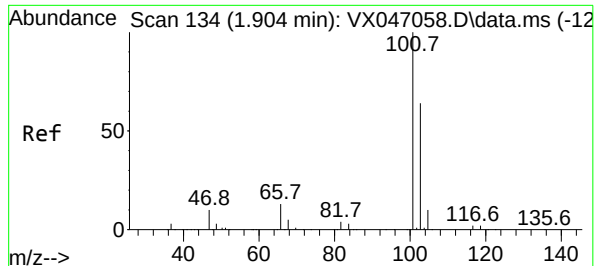
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#6
Chloroethane
Concen: 18.797 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

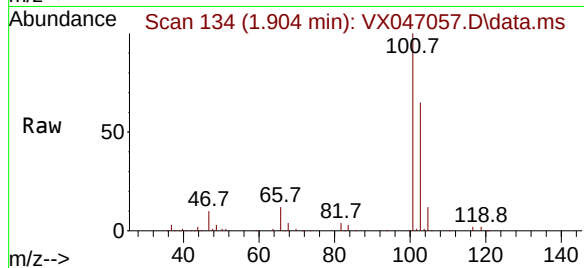
Tgt Ion: 64 Resp: 55955
Ion Ratio Lower Upper
64 100
66 32.1 25.0 37.6





#7
Trichlorofluoromethane
Concen: 20.095 ug/l
RT: 1.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

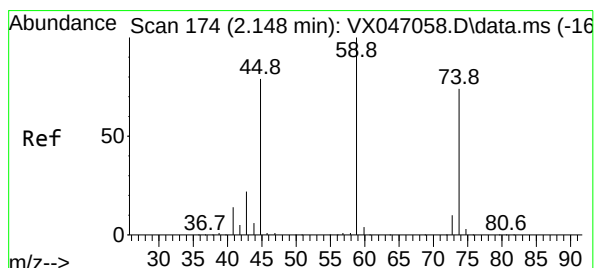
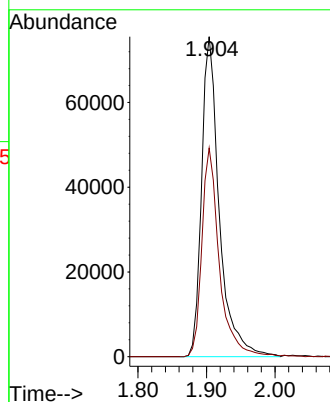
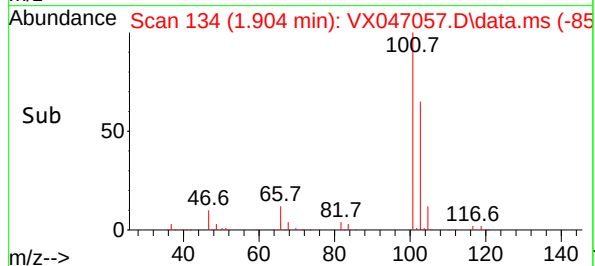
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:101 Resp: 13581
Ion Ratio Lower Upper
101 100
103 65.2 50.9 76.3

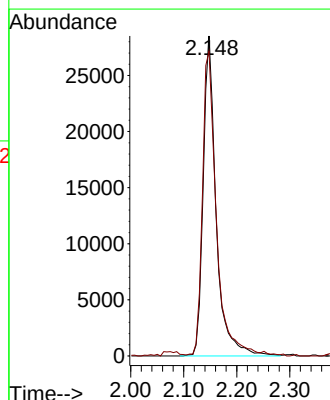
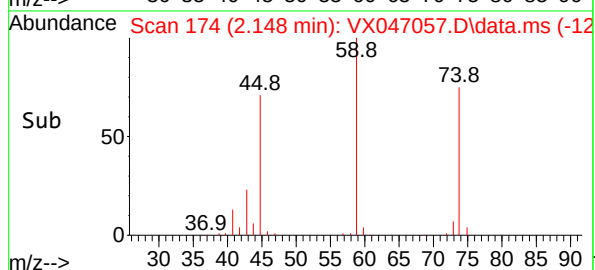
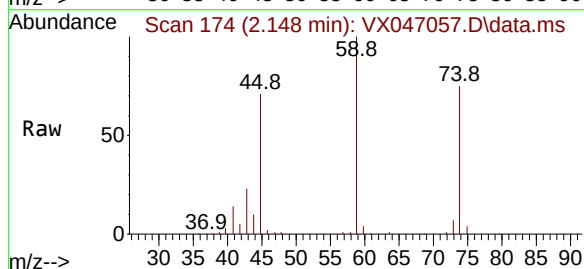
Manual Integrations
APPROVED

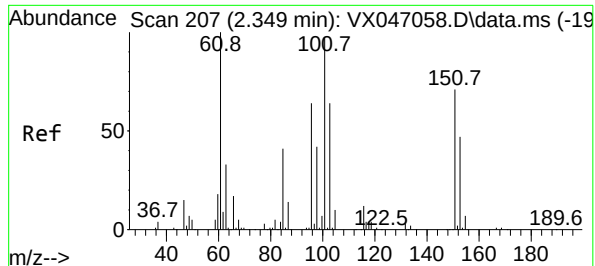
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#8
Diethyl Ether
Concen: 20.277 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

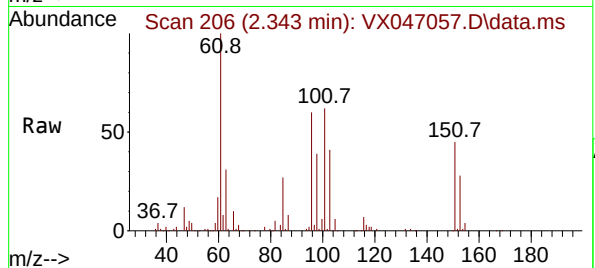
Tgt Ion: 74 Resp: 48319
Ion Ratio Lower Upper
74 100
45 103.6 53.0 159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.350 ug/l
RT: 2.343 min Scan# 207
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

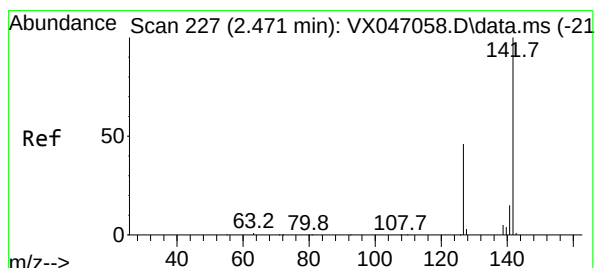
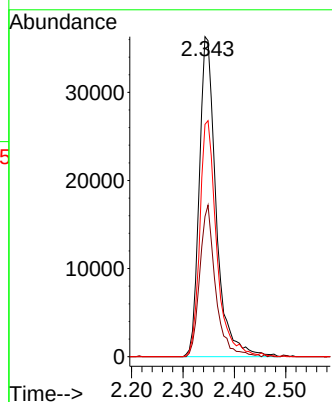
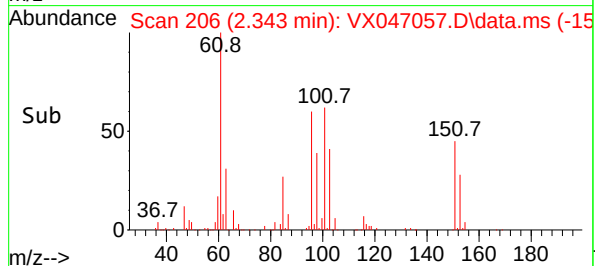
Instrument :
MSVOA_X
Client Sample Id :
VSTDIC020



Tgt Ion:101 Resp: 82864
Ion Ratio Lower Upper
101 100
85 44.4 35.4 53.0
151 73.8 59.2 88.8

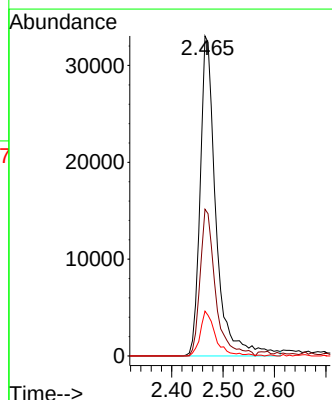
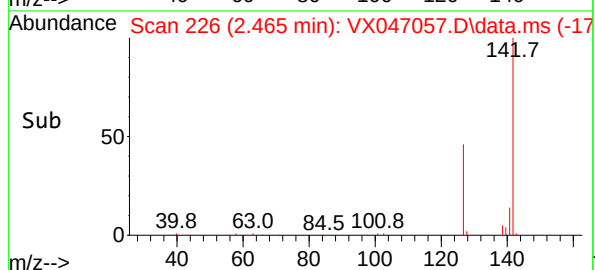
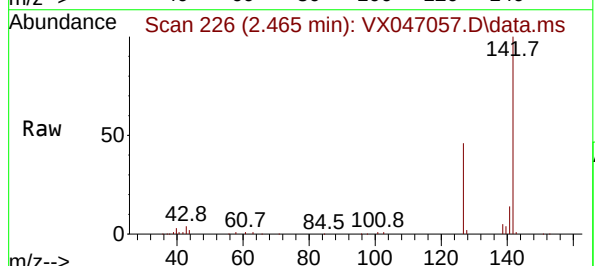
Manual Integrations
APPROVED

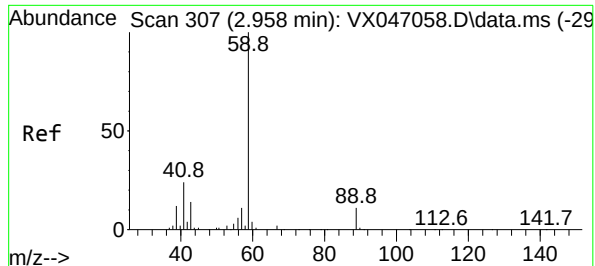
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#10
Methyl Iodide
Concen: 17.073 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:142 Resp: 70850
Ion Ratio Lower Upper
142 100
127 44.3 36.6 54.8
141 13.6 10.9 16.3





#11

Tert butyl alcohol

Concen: 96.502 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.001 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

Client Sample Id :

VSTDIC020

Tgt Ion: 59 Resp: 4804

Ion Ratio Lower Upper

59 100

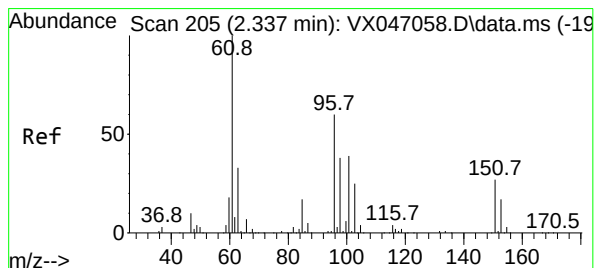
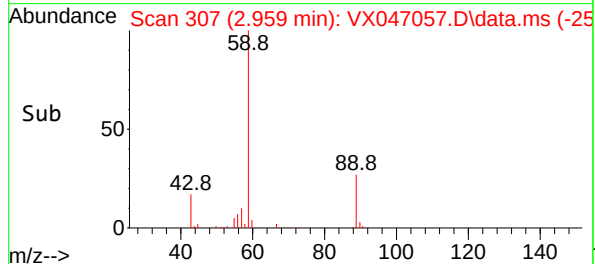
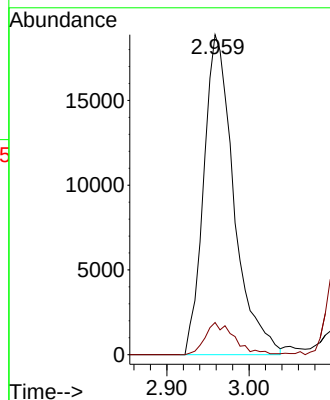
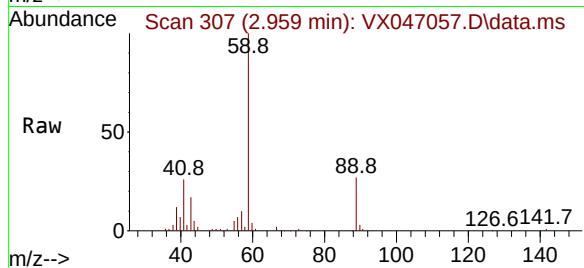
57 9.8 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#12

1,1-Dichloroethene

Concen: 20.206 ug/l

RT: 2.337 min Scan# 205

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

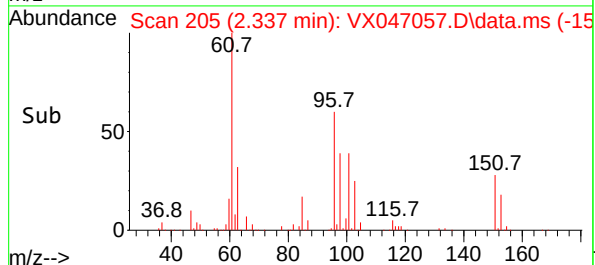
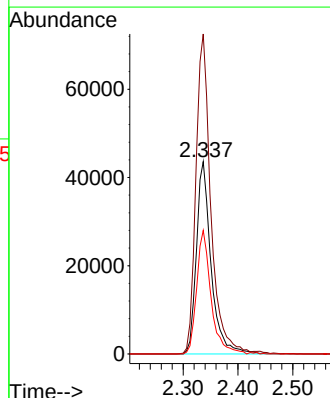
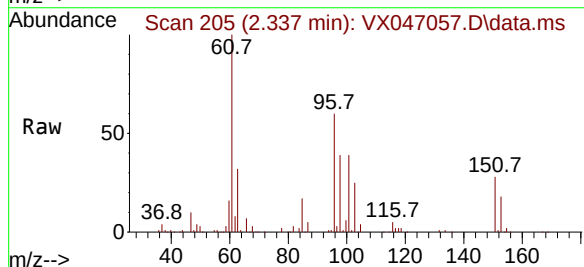
Tgt Ion: 96 Resp: 81489

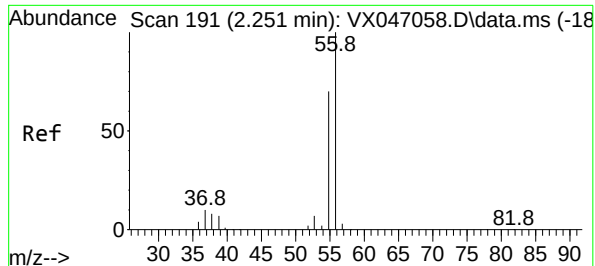
Ion Ratio Lower Upper

96 100

61 159.3 132.6 198.8

98 61.5 50.2 75.4





#13

Acrolein

Concen: 96.989 ug/l

RT: 2.245 min Scan# 191

Delta R.T. -0.006 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 8348

Ion Ratio Lower Upper

56 100

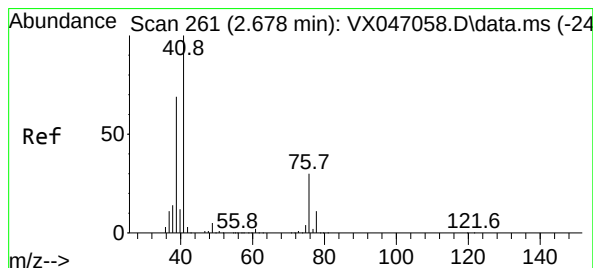
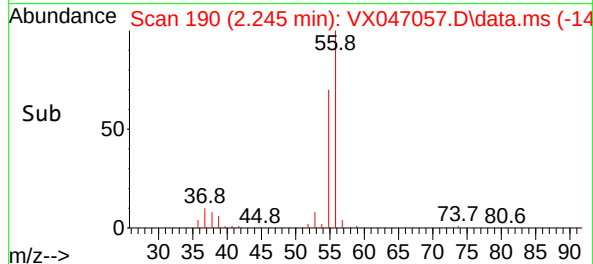
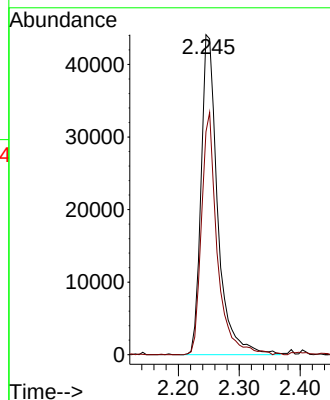
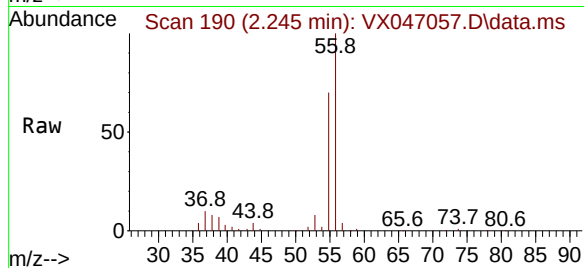
55 71.8 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#14

Allyl chloride

Concen: 20.465 ug/l

RT: 2.678 min Scan# 261

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

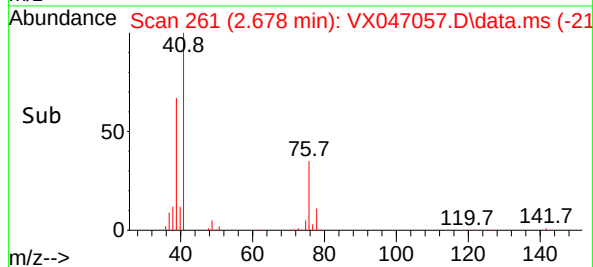
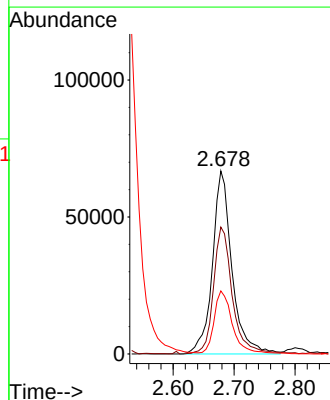
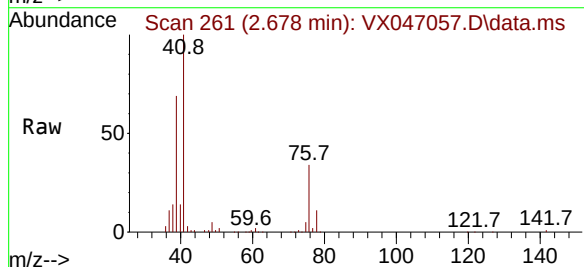
Tgt Ion: 41 Resp: 149196

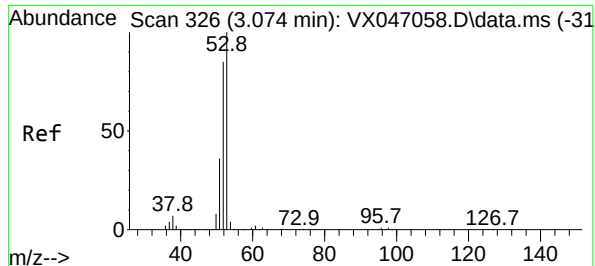
Ion Ratio Lower Upper

41 100

39 67.1 52.6 78.8

76 32.6 25.7 38.5





#15

Acrylonitrile

Concen: 106.603 ug/l

RT: 3.074 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 53 Resp: 20324

Ion Ratio Lower Upper

53 100

52 81.8 65.7 98.5

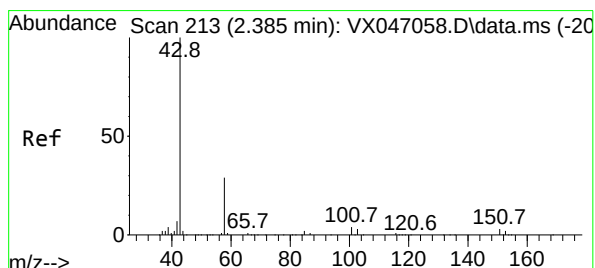
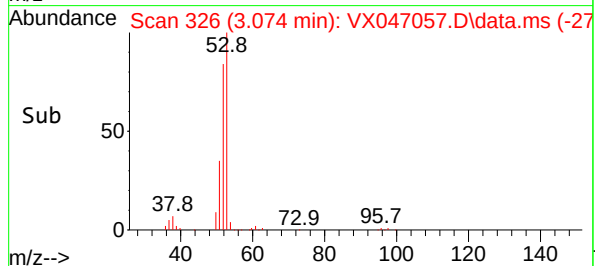
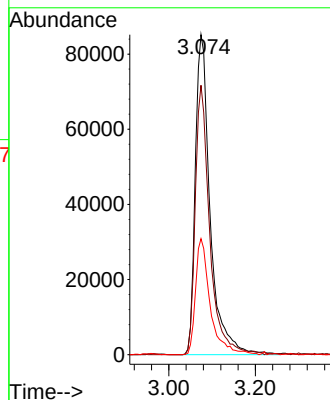
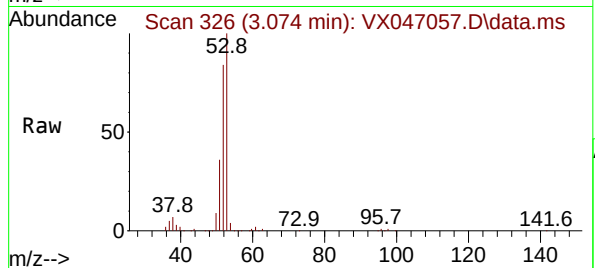
51 35.9 28.8 43.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#16

Acetone

Concen: 98.619 ug/l

RT: 2.385 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX047057.D

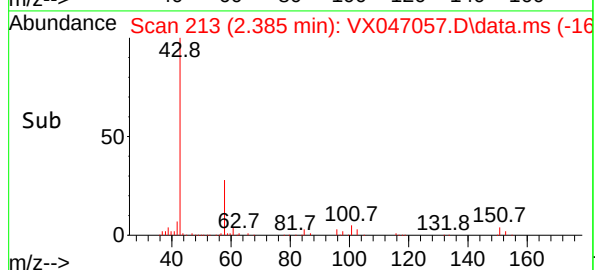
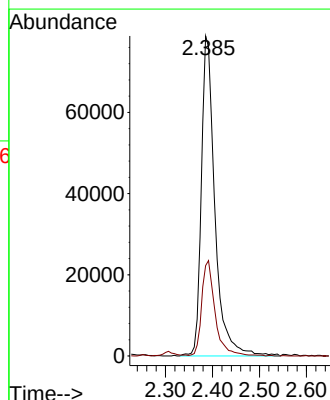
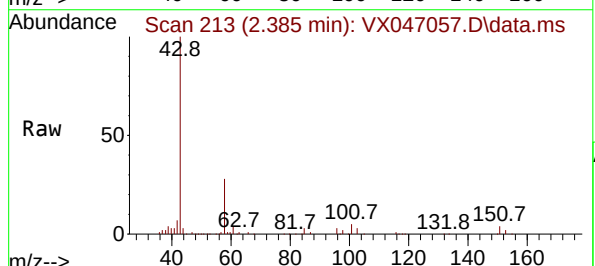
Acq: 21 Jul 2025 10:29

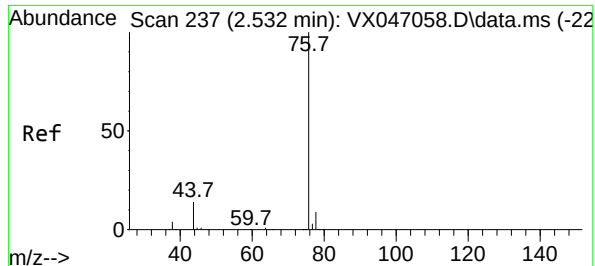
Tgt Ion: 43 Resp: 157932

Ion Ratio Lower Upper

43 100

58 28.3 24.0 36.0





#17

Carbon Disulfide

Concen: 20.059 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 23403

Ion Ratio Lower Upper

76 100

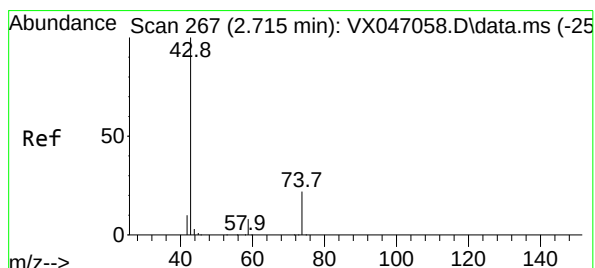
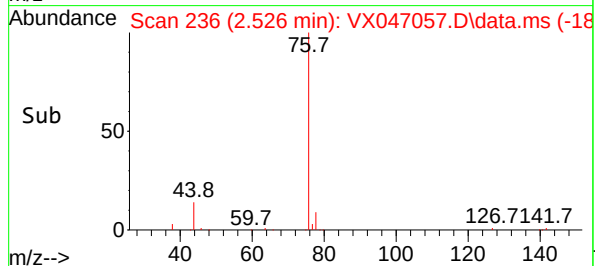
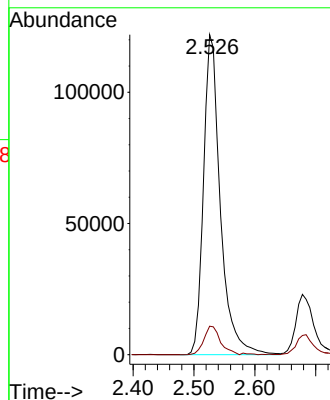
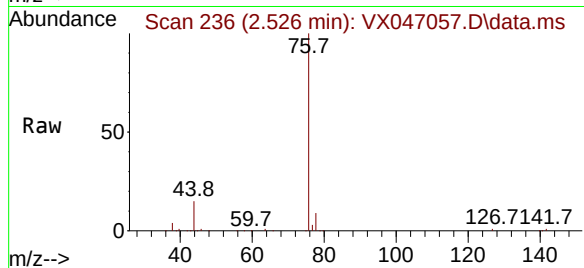
78 8.9 7.0 10.4

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#18

Methyl Acetate

Concen: 19.180 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.000 min

Lab File: VX047057.D

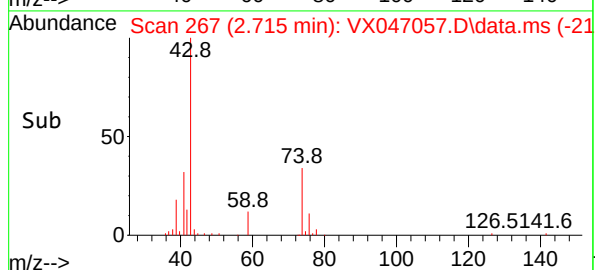
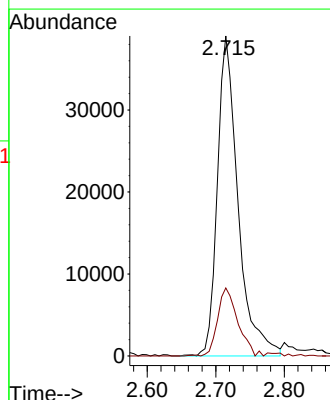
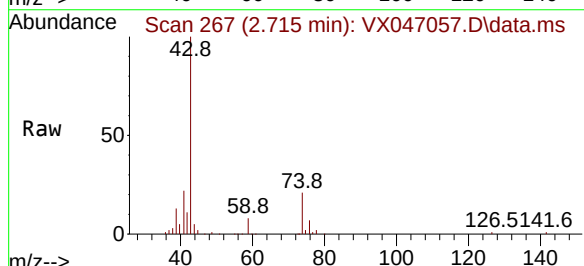
Acq: 21 Jul 2025 10:29

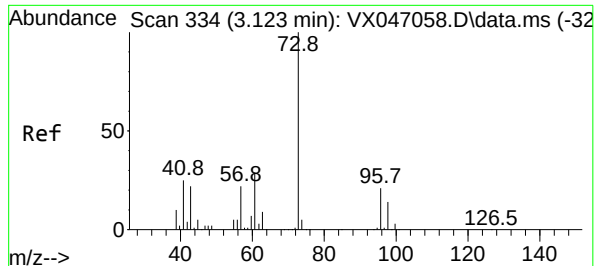
Tgt Ion: 43 Resp: 81624

Ion Ratio Lower Upper

43 100

74 20.8 17.7 26.5





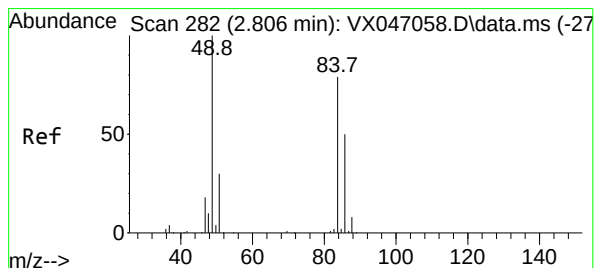
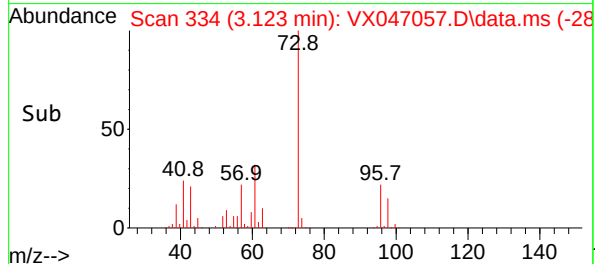
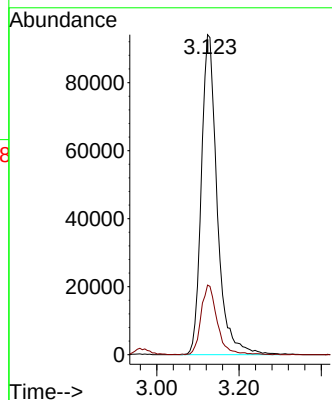
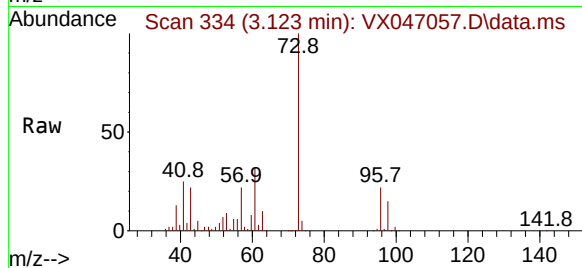
#19
Methyl tert-butyl Ether
Concen: 20.497 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 25158
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5

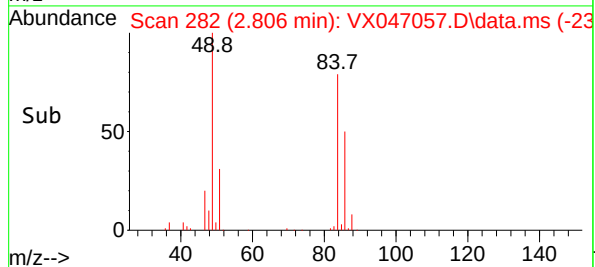
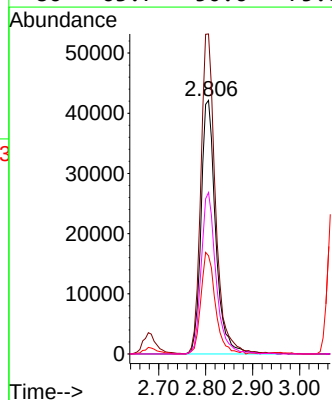
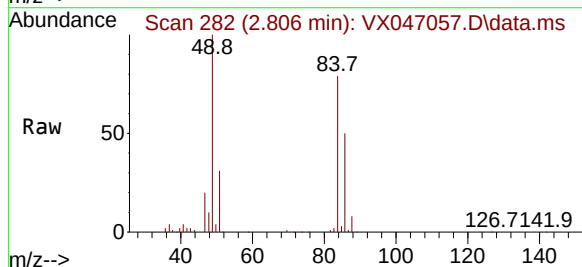
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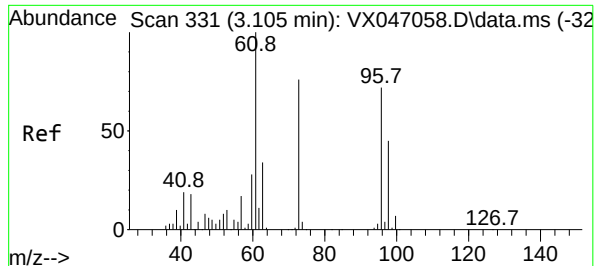
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#20
Methylene Chloride
Concen: 20.621 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 84 Resp: 90849
Ion Ratio Lower Upper
84 100
49 126.0 101.6 152.4
51 38.7 30.3 45.5
86 63.7 50.6 75.8





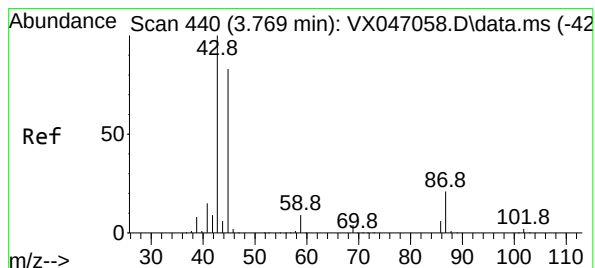
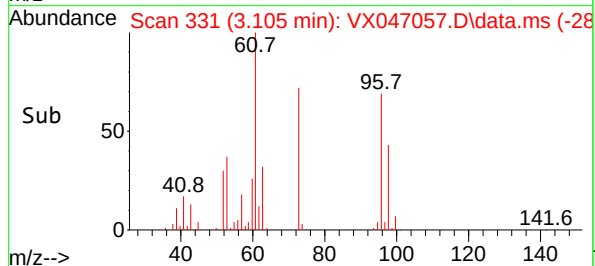
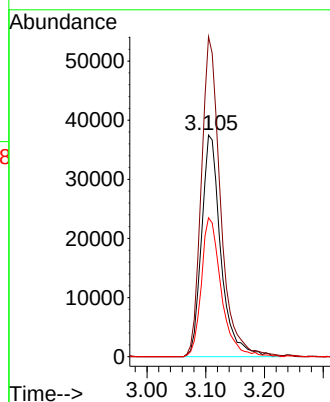
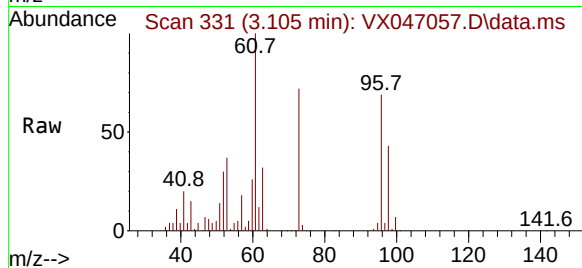
#21
trans-1,2-Dichloroethene
Concen: 20.738 ug/l
RT: 3.105 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 96 Resp: 8558
Ion Ratio Lower Upper
96 100
61 144.4 111.1 166.7
98 62.6 49.6 74.4

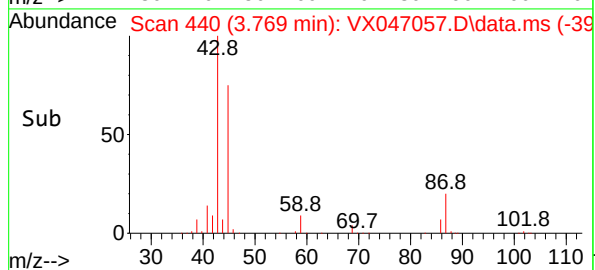
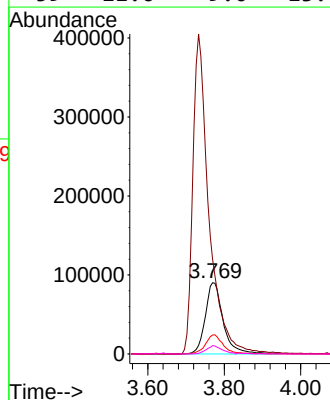
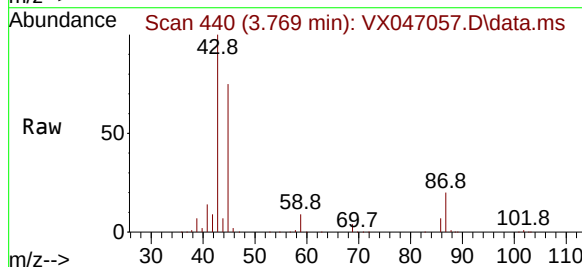
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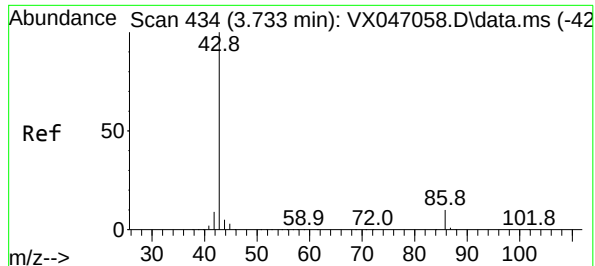
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#22
Diisopropyl ether
Concen: 20.967 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 45 Resp: 293875
Ion Ratio Lower Upper
45 100
43 133.7 96.8 145.2
87 26.6 20.5 30.7
59 11.6 9.0 13.4





#23

Vinyl Acetate

Concen: 106.090 ug/l

RT: 3.733 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 119263

Ion Ratio Lower Upper

43

100

86

9.8

8.1

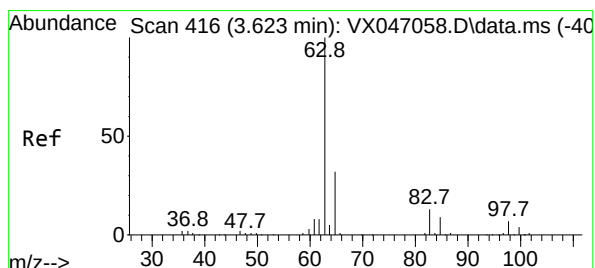
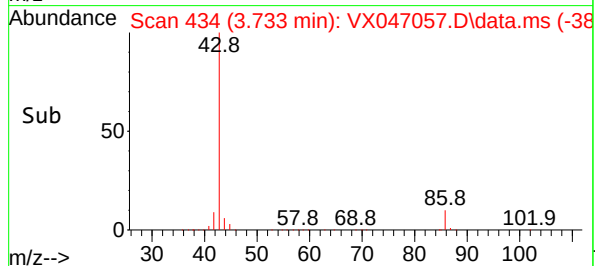
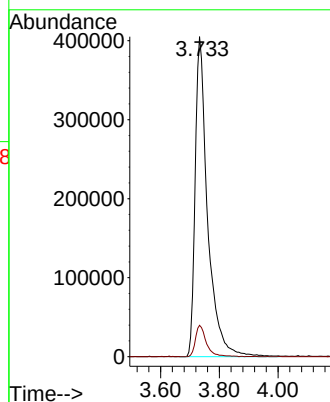
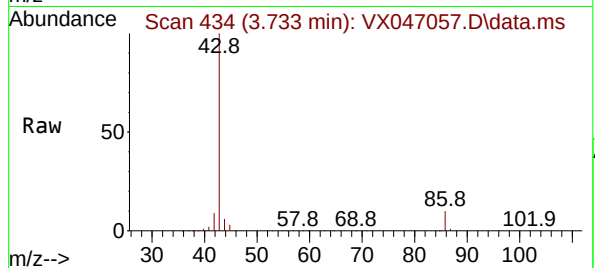
12.1

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#24

1,1-Dichloroethane

Concen: 20.507 ug/l

RT: 3.623 min Scan# 416

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Tgt Ion: 63 Resp: 159828

Ion Ratio Lower Upper

63

100

98

7.7

3.6

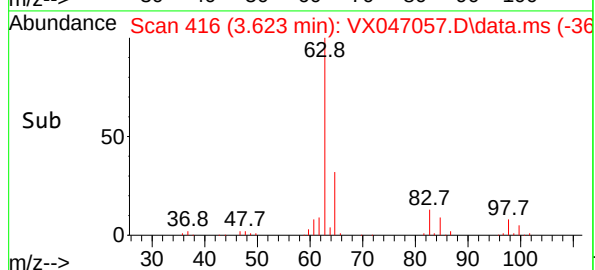
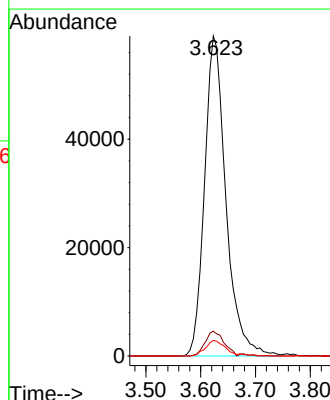
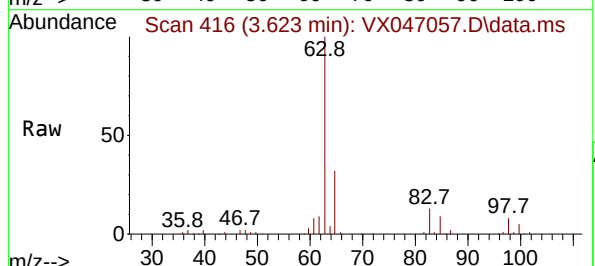
10.8

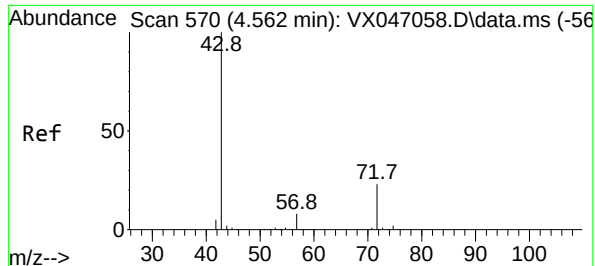
100

4.9

2.3

6.8





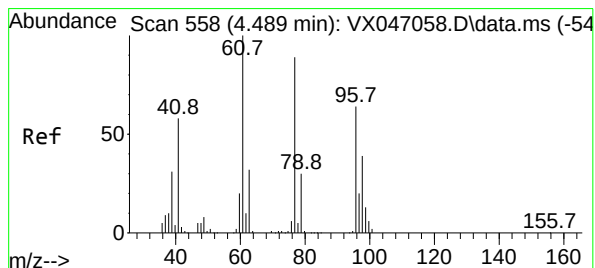
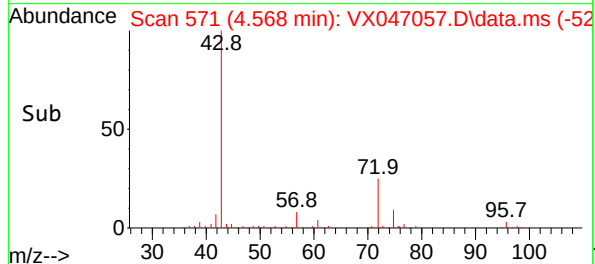
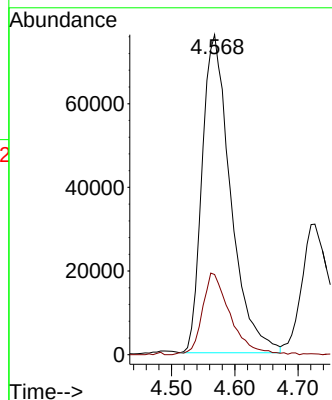
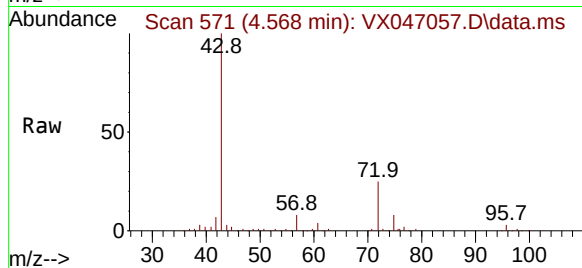
#25
2-Butanone
Concen: 102.172 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 238240
Ion Ratio Lower Upper
43 100
72 24.9 18.8 28.2

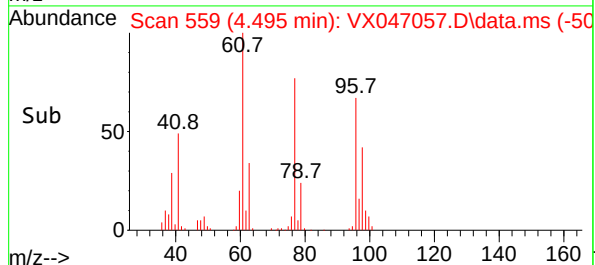
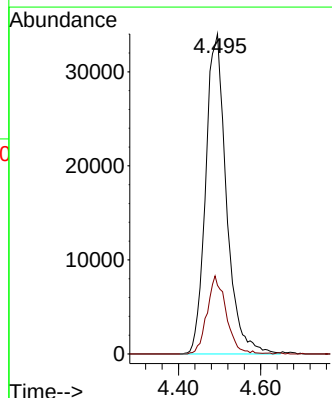
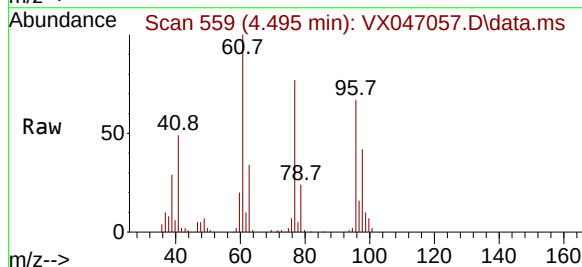
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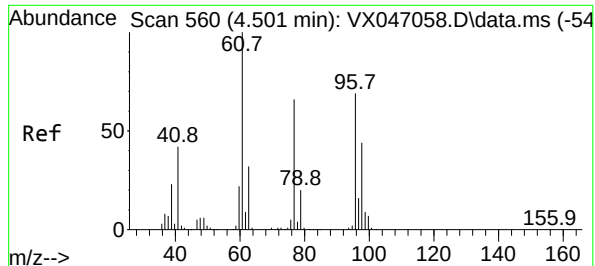
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#26
2,2-Dichloropropane
Concen: 19.743 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

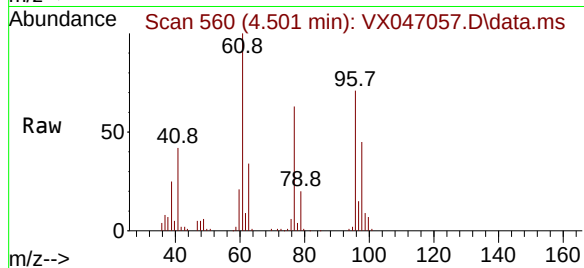
Tgt Ion: 77 Resp: 119113
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.1





#27
cis-1,2-Dichloroethene
Concen: 20.420 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

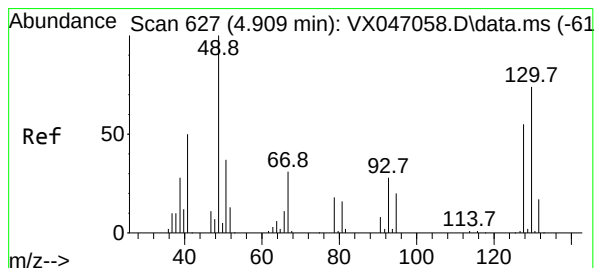
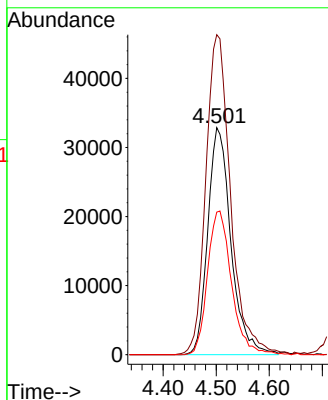
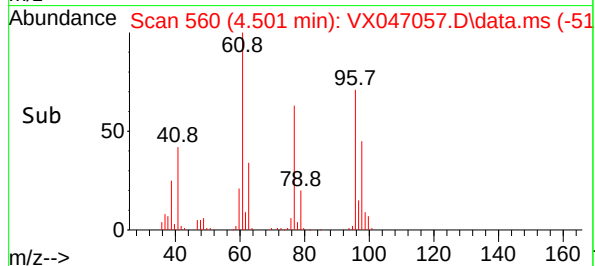
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 99794
Ion Ratio Lower Upper
96 100
61 150.3 0.0 298.6
98 65.4 0.0 128.8

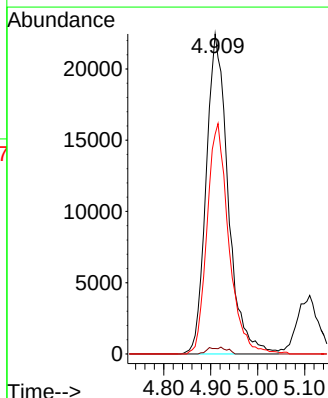
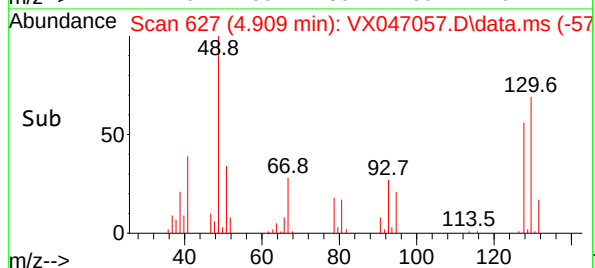
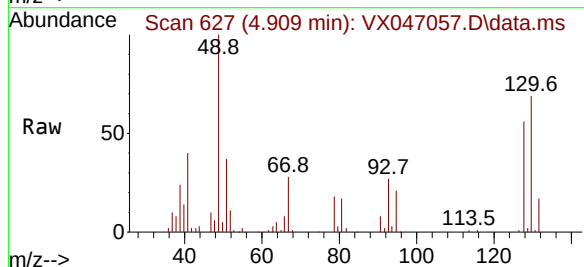
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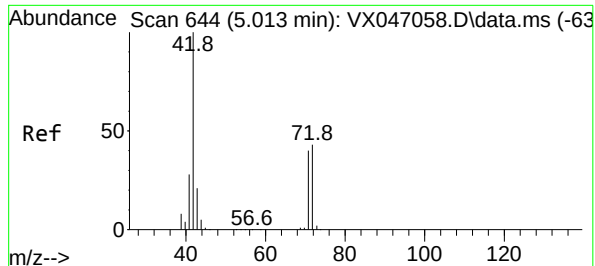
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#28
Bromochloromethane
Concen: 20.334 ug/l
RT: 4.909 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 49 Resp: 72912
Ion Ratio Lower Upper
49 100
129 1.0 0.0 3.8
130 71.3 59.0 88.4





#29

Tetrahydrofuran

Concen: 104.232 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 42 Resp: 156819

Ion Ratio Lower Upper

42 100

72 42.2 33.7 50.5

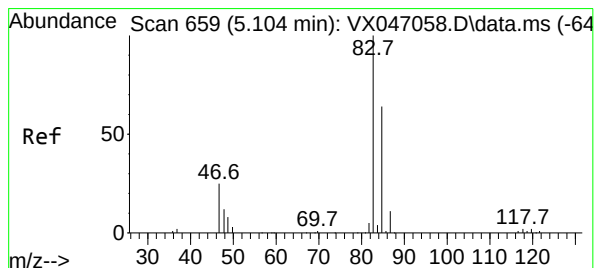
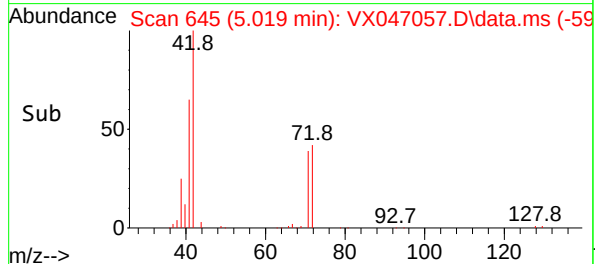
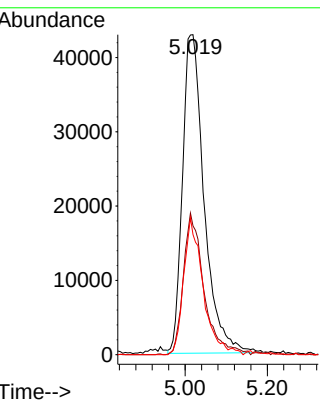
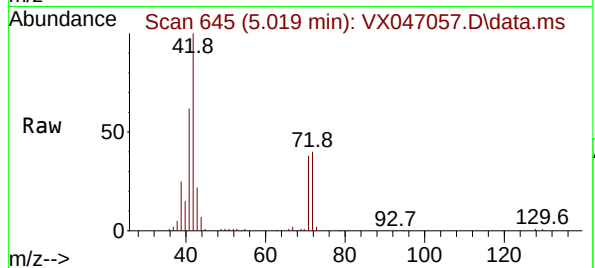
71 38.6 31.0 46.4

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#30

Chloroform

Concen: 20.255 ug/l

RT: 5.104 min Scan# 659

Delta R.T. 0.000 min

Lab File: VX047057.D

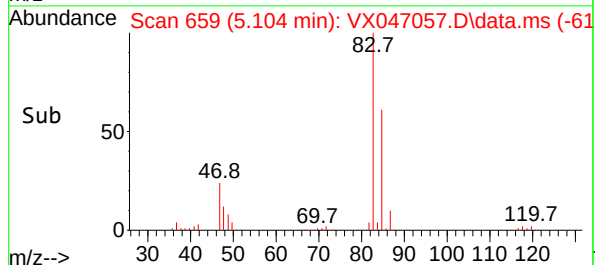
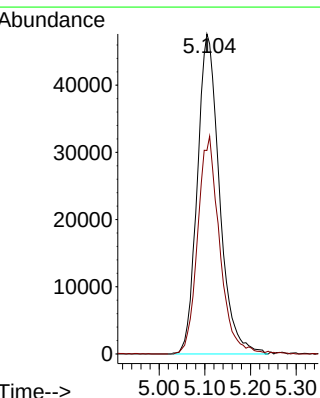
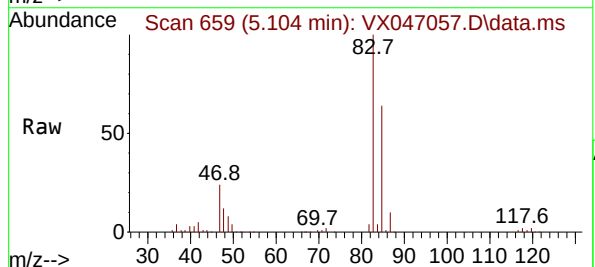
Acq: 21 Jul 2025 10:29

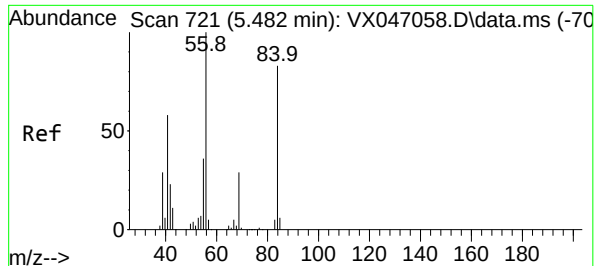
Tgt Ion: 83 Resp: 160698

Ion Ratio Lower Upper

83 100

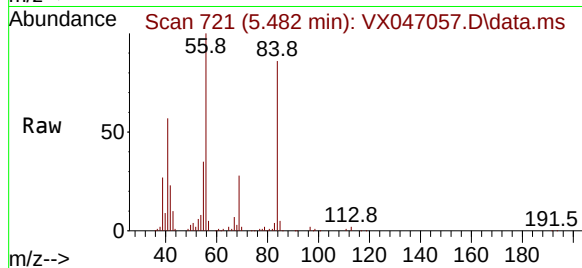
85 63.6 50.9 76.3





#31
Cyclohexane
Concen: 20.397 ug/l
RT: 5.482 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

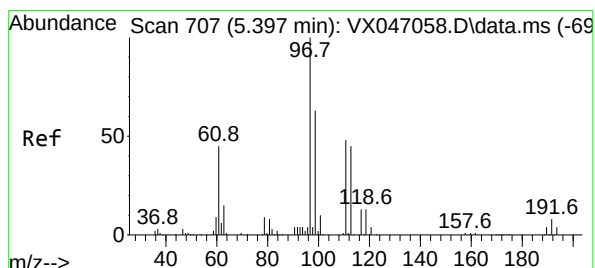
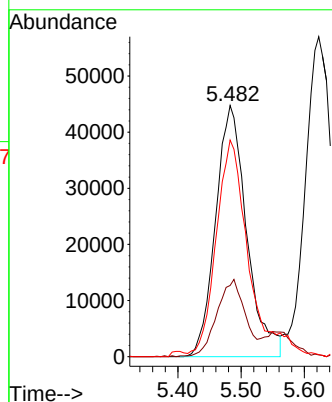
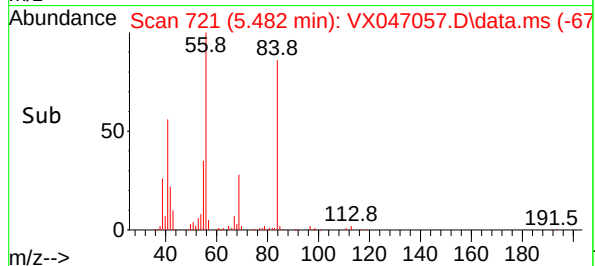
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion: 56 Resp: 152430
Ion Ratio Lower Upper
56 100
69 28.0 23.3 34.9
84 84.2 66.5 99.7

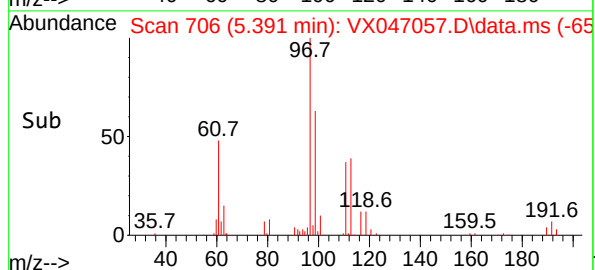
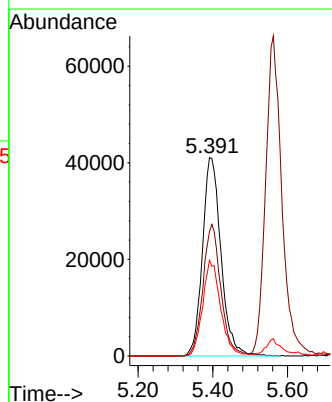
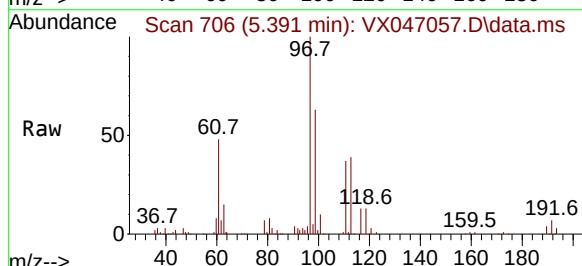
Manual Integrations
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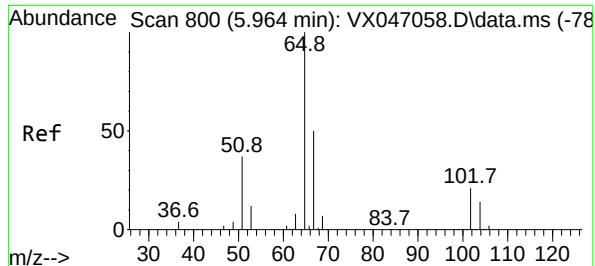
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#32
1,1,1-Trichloroethane
Concen: 20.503 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 97 Resp: 141289
Ion Ratio Lower Upper
97 100
99 63.7 51.2 76.8
61 46.7 37.1 55.7





#33

1,2-Dichloroethane-d4

Concen: 16.395 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 6554

Ion Ratio Lower Upper

65 100

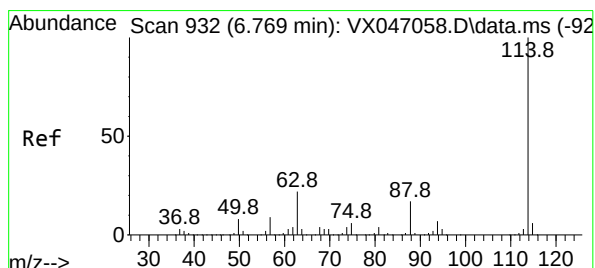
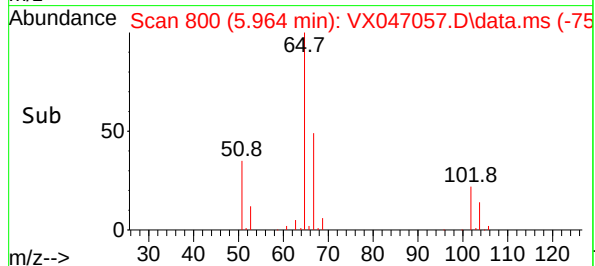
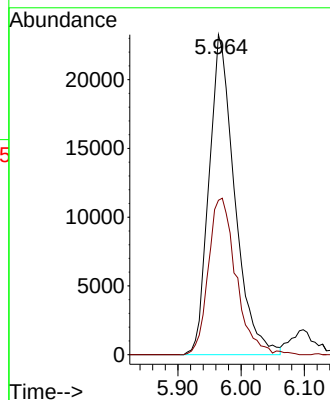
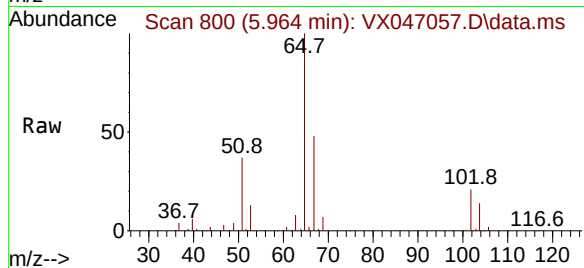
67 52.9 0.0 104.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

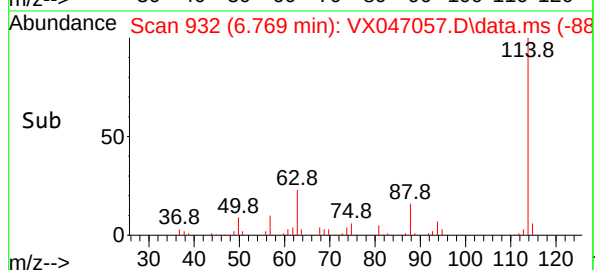
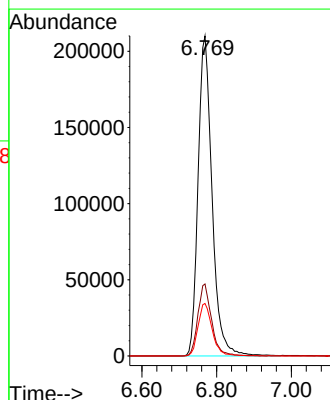
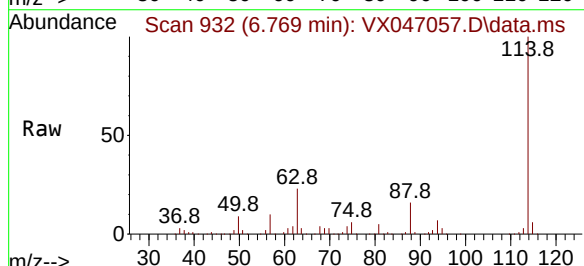
Tgt Ion:114 Resp: 544303

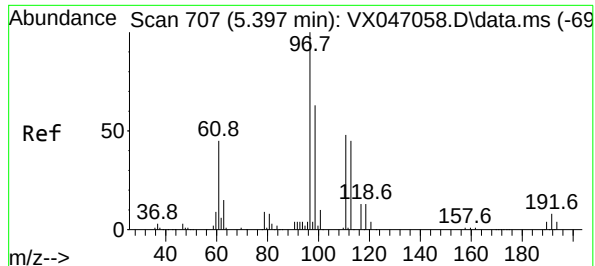
Ion Ratio Lower Upper

114 100

63 25.5 0.0 43.2

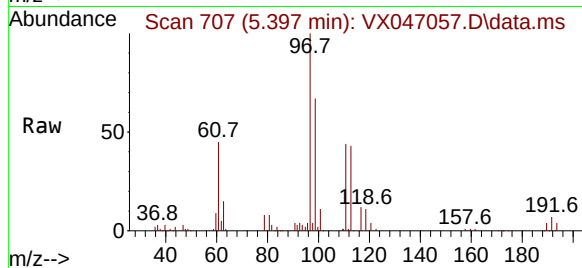
88 16.4 0.0 33.8





#35
Dibromofluoromethane
Concen: 16.992 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

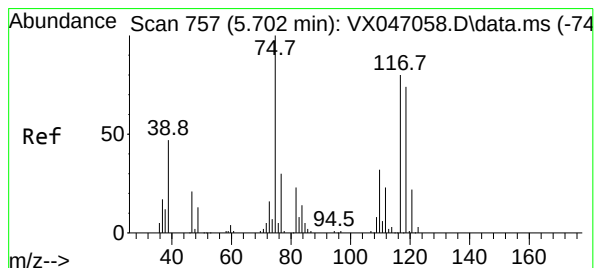
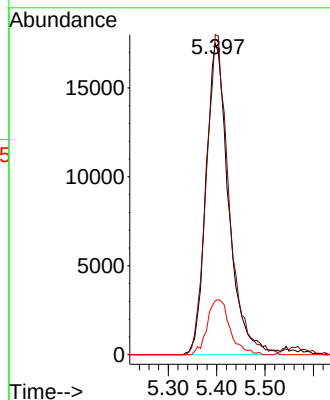
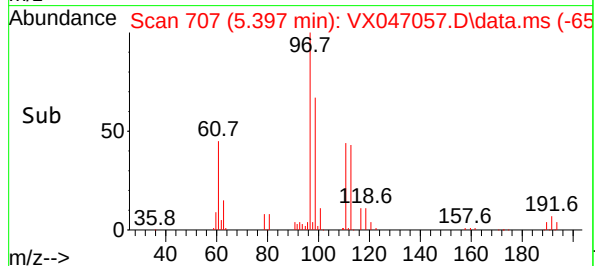
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:113 Resp: 5710
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 17.6 14.9 22.3

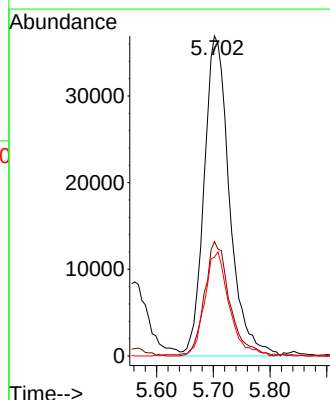
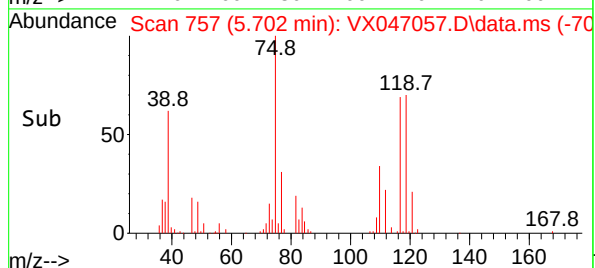
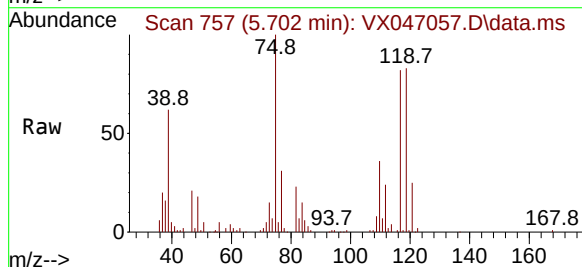
Manual Integrations
APPROVED

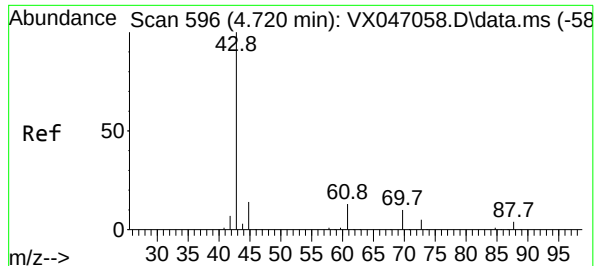
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#36
1,1-Dichloropropene
Concen: 20.062 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 75 Resp: 114925
Ion Ratio Lower Upper
75 100
110 35.2 17.2 51.5
77 31.4 25.1 37.7





#37

Ethyl Acetate

Concen: 18.907 ug/l

RT: 4.726 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

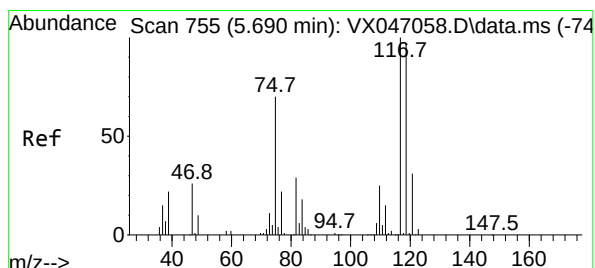
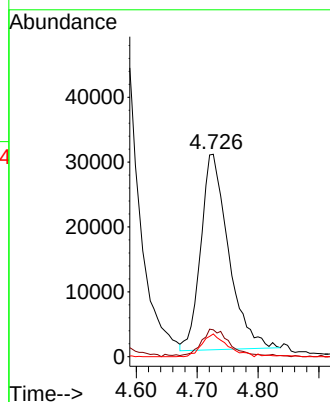
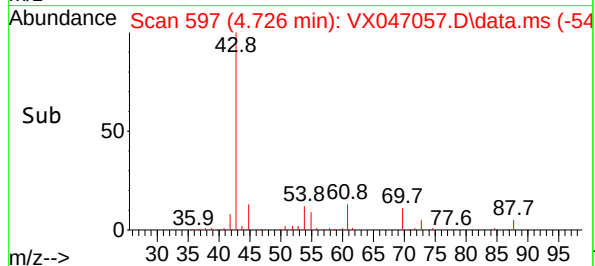
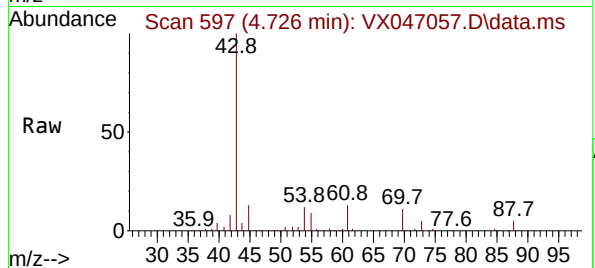
Tgt Ion:	43	Resp:	9545
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.2
70	10.6	8.1	12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#38

Carbon Tetrachloride

Concen: 20.150 ug/l

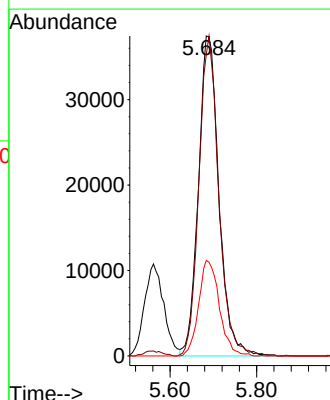
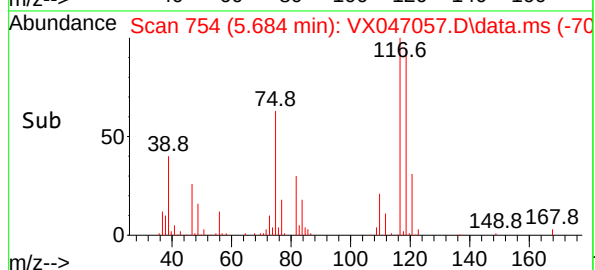
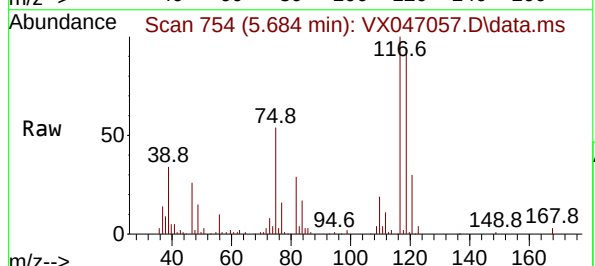
RT: 5.684 min Scan# 754

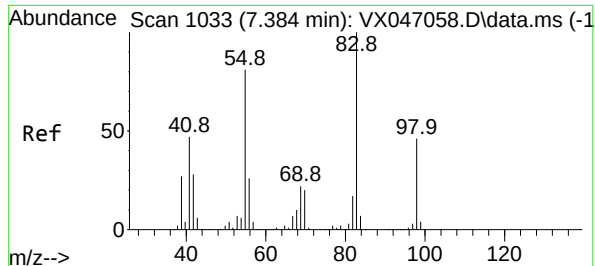
Delta R.T. -0.006 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Tgt Ion:	117	Resp:	123204
Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.6	115.0
121	29.9	24.4	36.6





#39

Methylcyclohexane

Concen: 20.519 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 146762

Ion Ratio Lower Upper

83 100

55 80.0 64.5 96.7

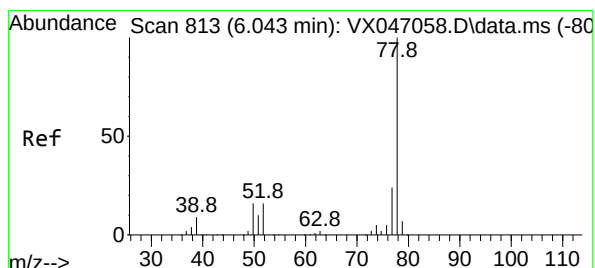
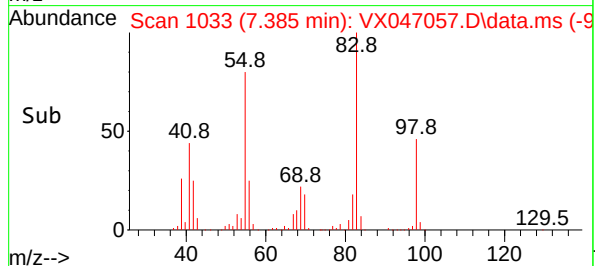
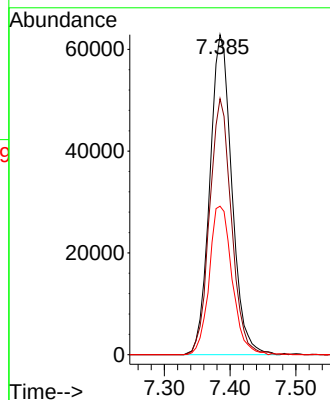
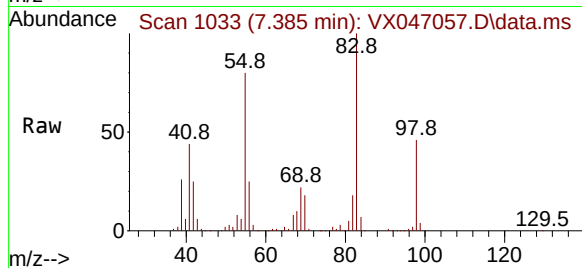
98 46.4 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#40

Benzene

Concen: 20.656 ug/l

RT: 6.049 min Scan# 814

Delta R.T. 0.006 min

Lab File: VX047057.D

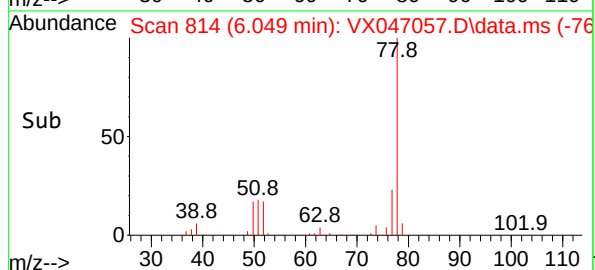
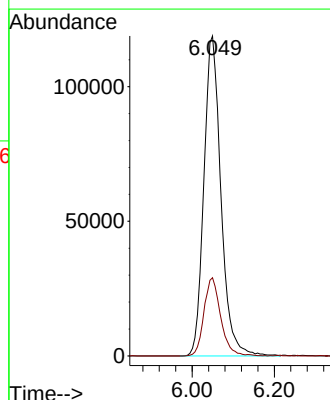
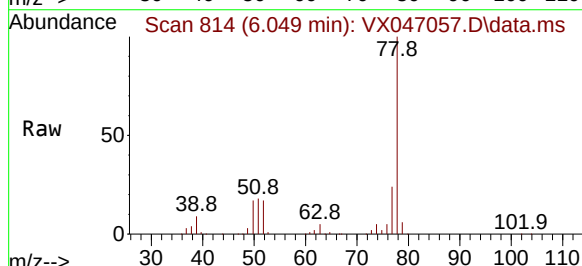
Acq: 21 Jul 2025 10:29

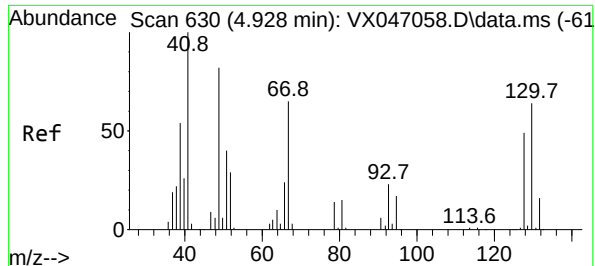
Tgt Ion: 78 Resp: 342454

Ion Ratio Lower Upper

78 100

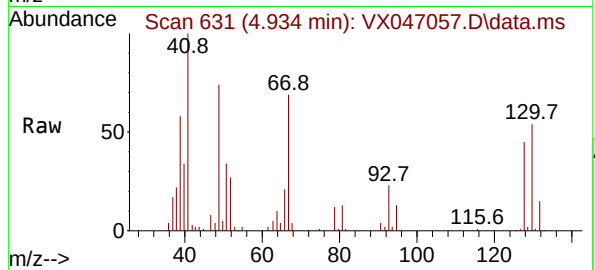
77 24.4 19.0 28.4





#41
Methacrylonitrile
Concen: 20.350 ug/l
RT: 4.934 min Scan# 631
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

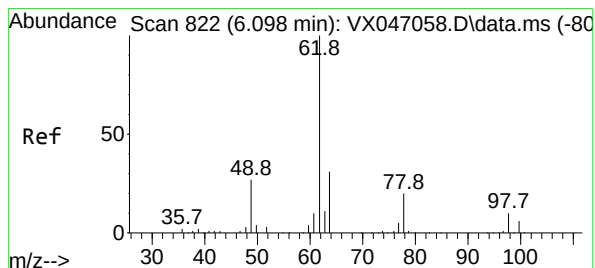
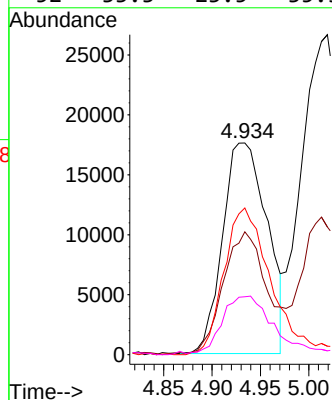
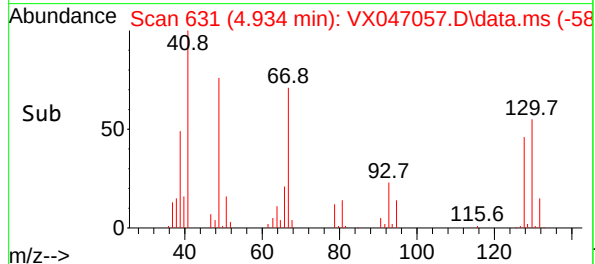
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion: 41 Resp: 56160
Ion Ratio Lower Upper
41 100
39 58.8 44.2 66.2
67 74.5 56.4 84.6
52 33.3 23.5 35.3

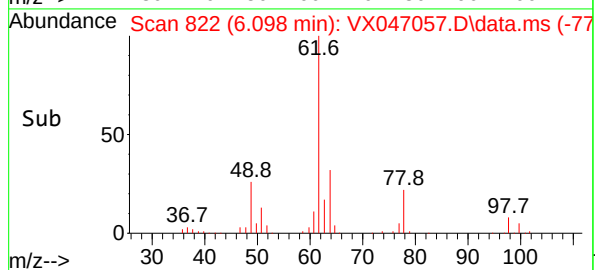
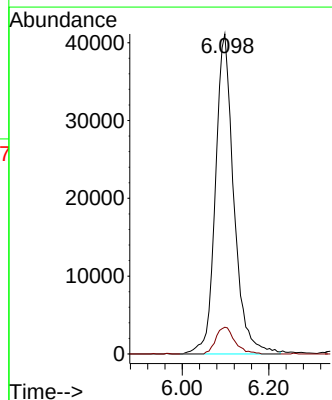
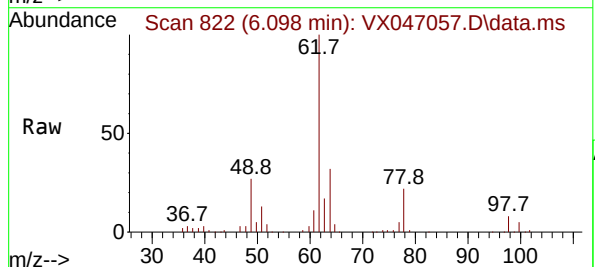
Manual Integrations
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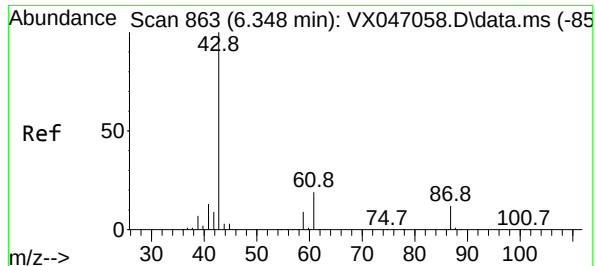
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#42
1,2-Dichloroethane
Concen: 20.808 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 62 Resp: 121515
Ion Ratio Lower Upper
62 100
98 8.6 0.0 18.8





#43

Isopropyl Acetate

Concen: 20.802 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.006 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 17118

Ion Ratio Lower Upper

43 100

61 18.8 15.1 22.7

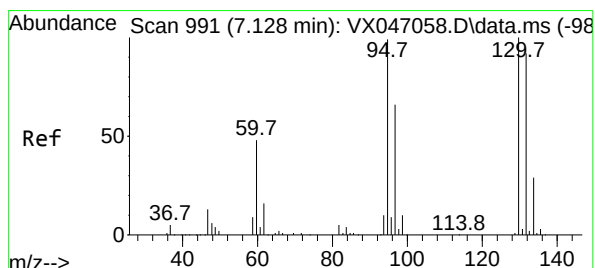
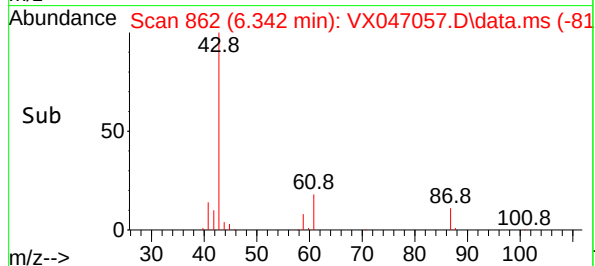
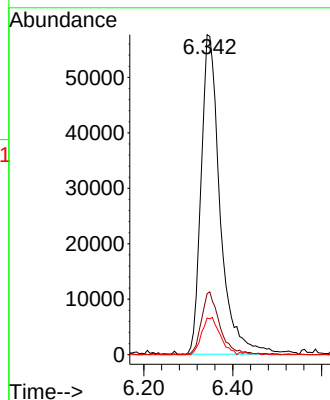
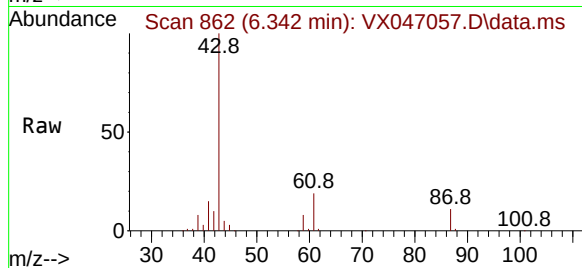
87 11.2 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#44

Trichloroethene

Concen: 20.099 ug/l

RT: 7.128 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX047057.D

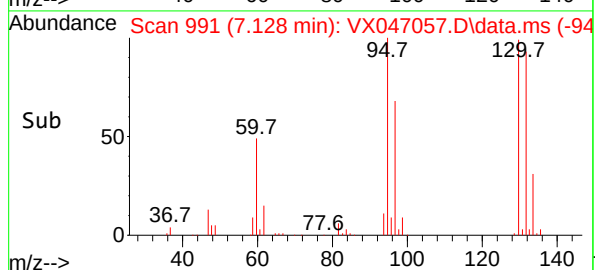
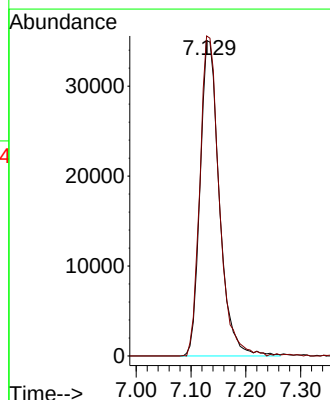
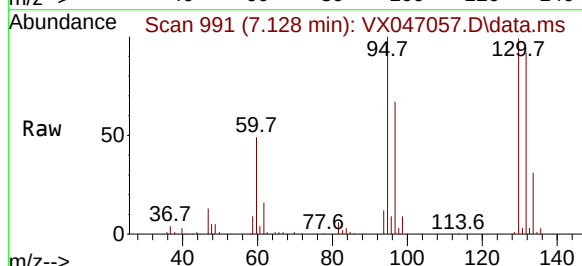
Acq: 21 Jul 2025 10:29

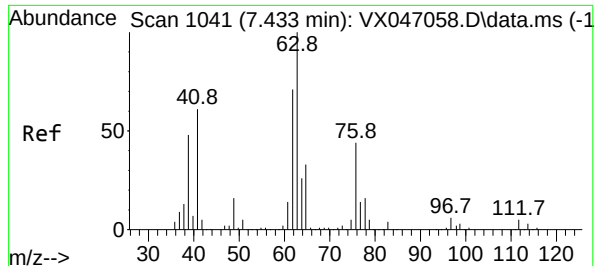
Tgt Ion:130 Resp: 85446

Ion Ratio Lower Upper

130 100

95 101.5 0.0 198.6





#45

1,2-Dichloropropane

Concen: 20.603 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 8554

Ion Ratio Lower Upper

63 100

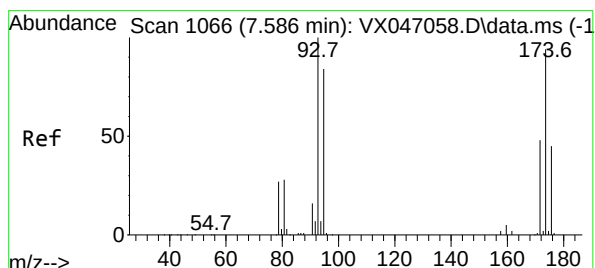
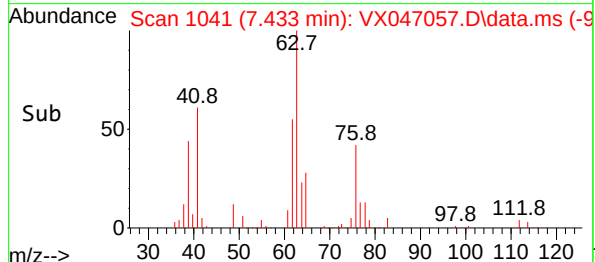
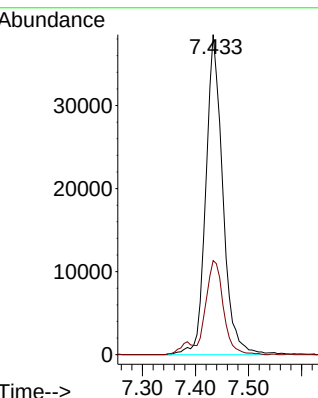
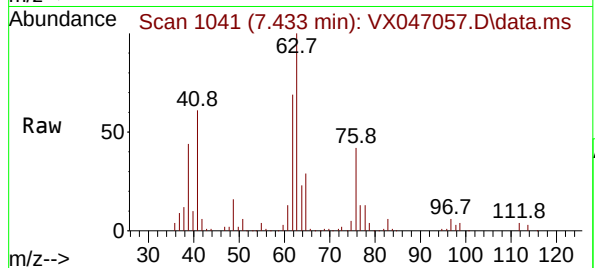
65 29.4 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#46

Dibromomethane

Concen: 20.588 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

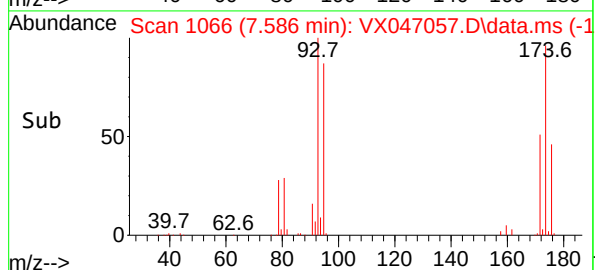
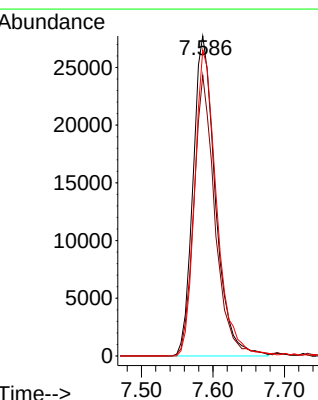
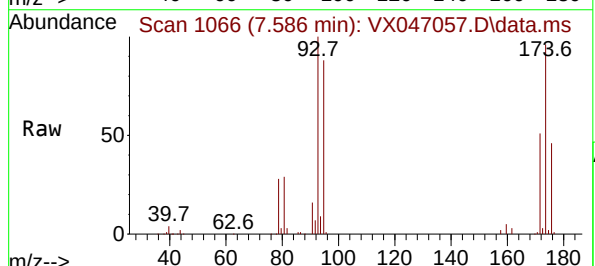
Tgt Ion: 93 Resp: 59949

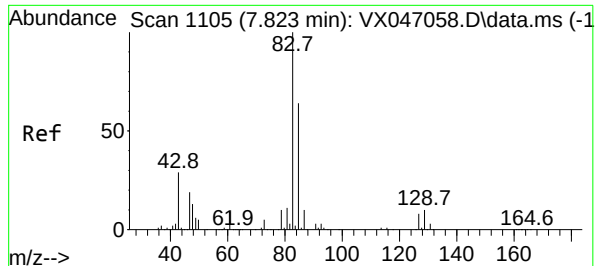
Ion Ratio Lower Upper

93 100

95 83.4 65.9 98.9

174 94.2 74.6 112.0





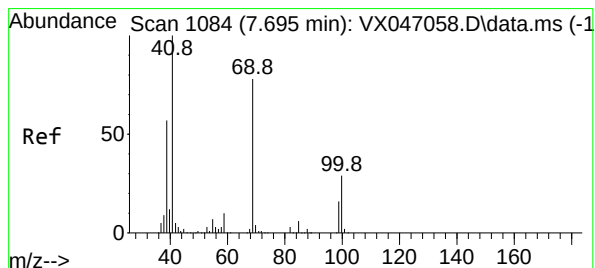
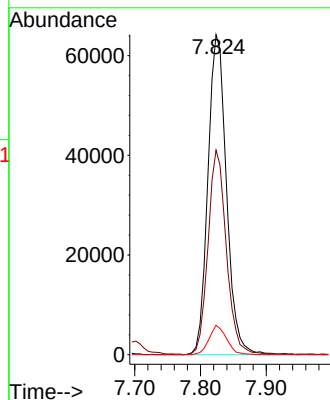
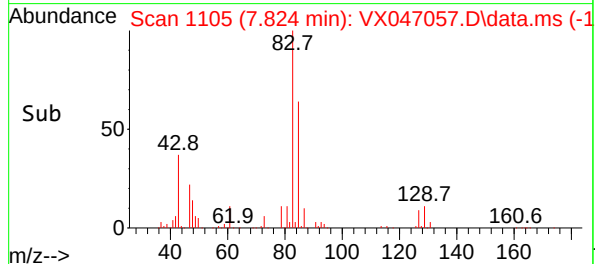
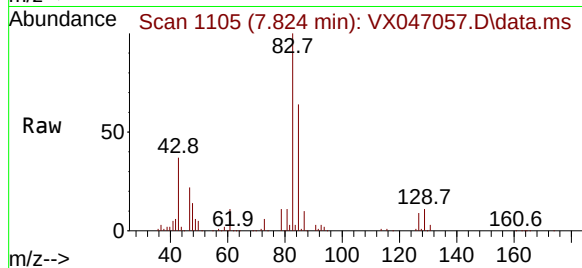
#47
Bromodichloromethane
Concen: 20.345 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 12609
Ion Ratio Lower Upper
83 100
85 62.1 49.9 74.9
127 9.0 6.6 10.0

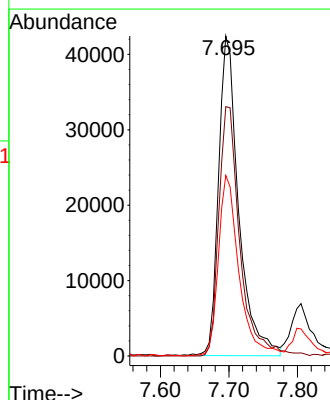
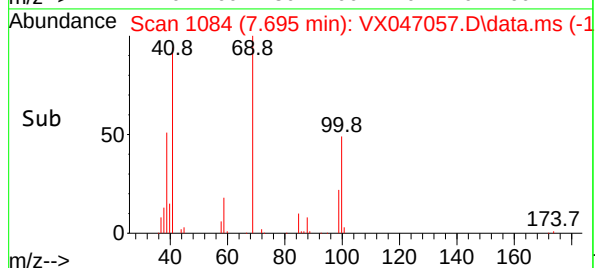
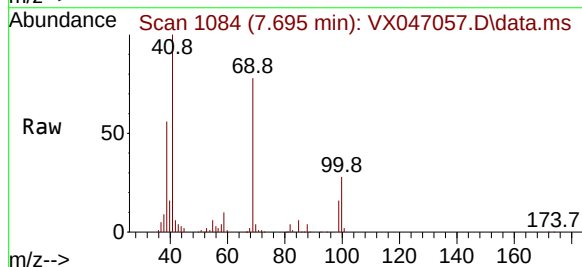
Manual Integrations
APPROVED

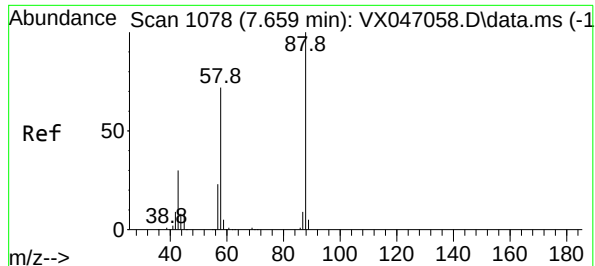
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#48
Methyl methacrylate
Concen: 19.269 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 41 Resp: 86386
Ion Ratio Lower Upper
41 100
69 81.4 62.3 93.5
39 57.8 44.8 67.2





#49

1,4-Dioxane

Concen: 422.133 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

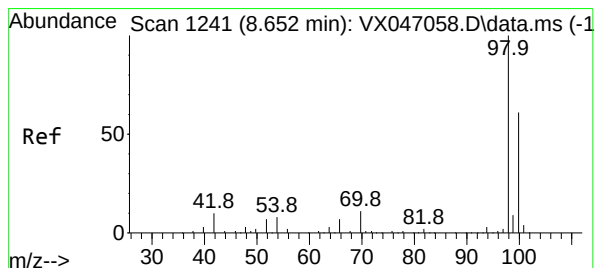
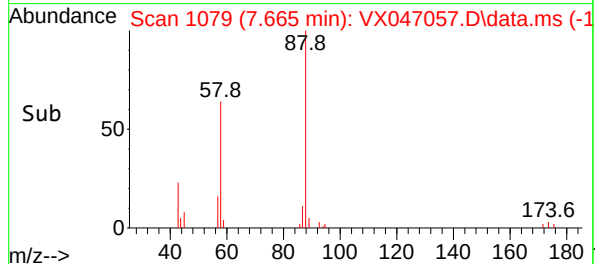
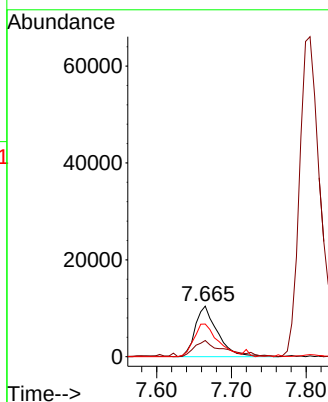
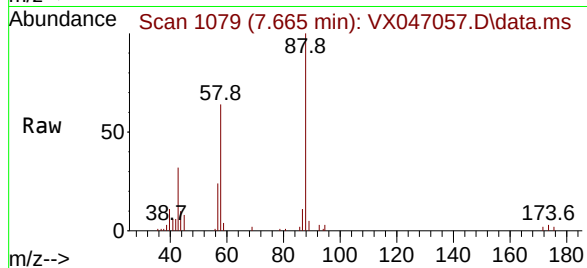
Tgt Ion:	88	Resp:	21524
Ion	Ratio	Lower	Upper
88	100		
43	42.4	33.6	50.4
58	69.9	58.8	88.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#50

Toluene-d8

Concen: 16.431 ug/l

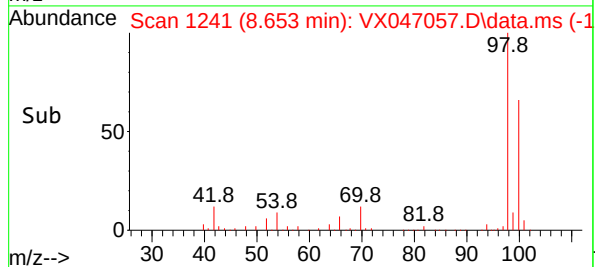
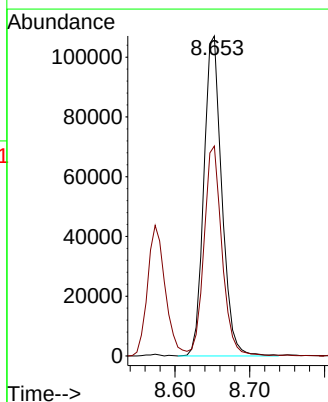
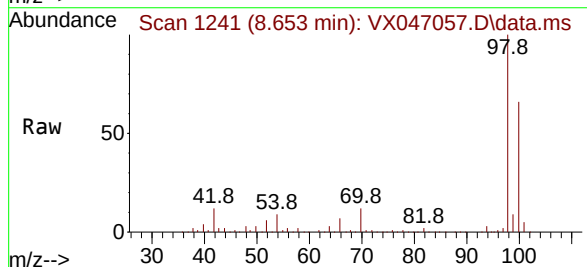
RT: 8.653 min Scan# 1241

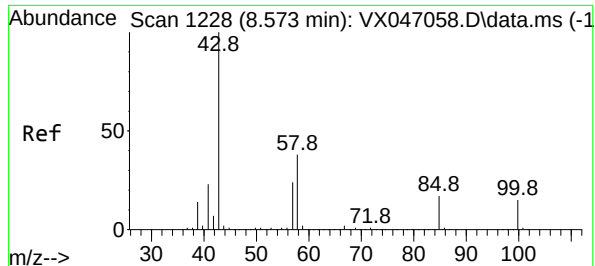
Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Tgt Ion:	98	Resp:	178825
Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.3	79.9





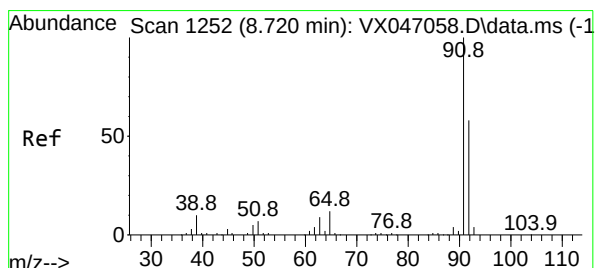
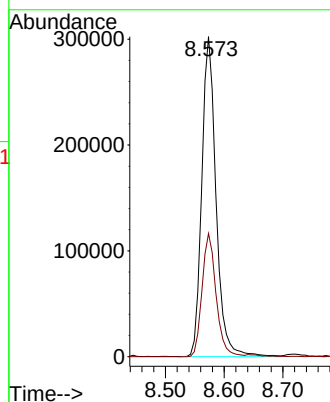
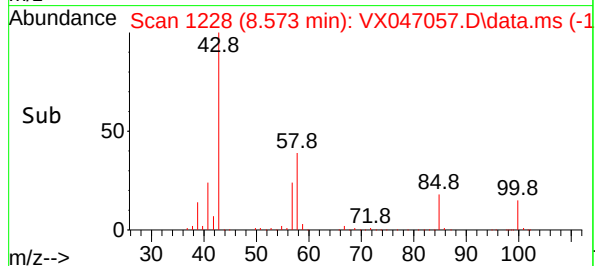
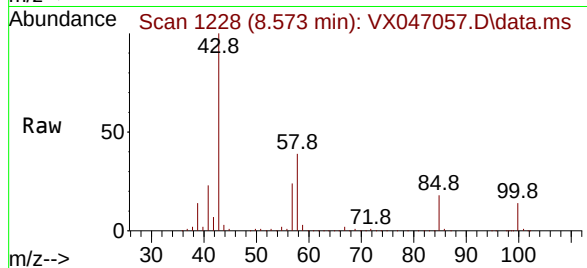
#51
4-Methyl-2-Pentanone
Concen: 104.532 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 51130
Ion Ratio Lower Upper
43 100
58 37.8 30.6 45.8

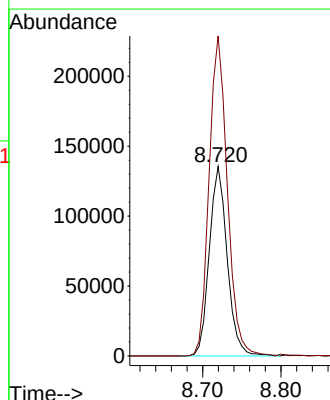
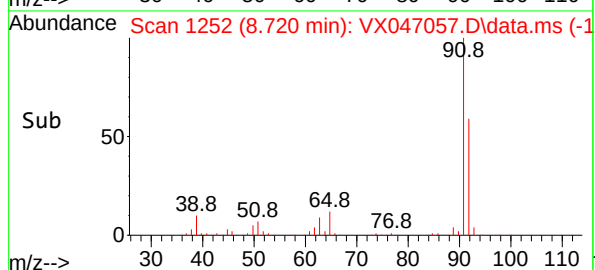
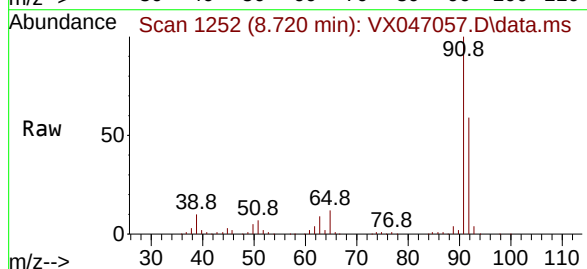
Manual Integrations
APPROVED

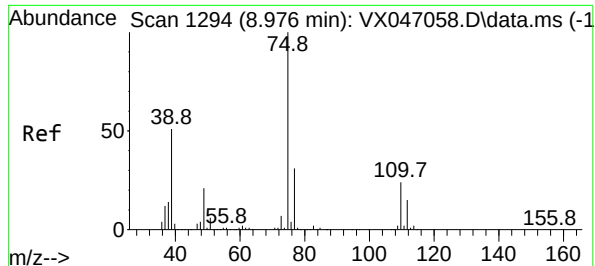
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#52
Toluene
Concen: 21.087 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 92 Resp: 214955
Ion Ratio Lower Upper
92 100
91 172.1 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 20.311 ug/l

RT: 8.982 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 75 Resp: 11887

Ion Ratio Lower Upper

75 100

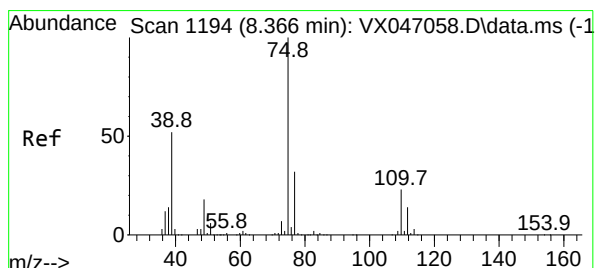
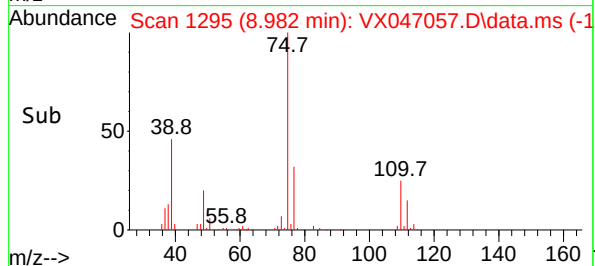
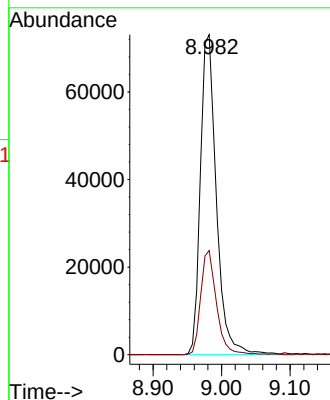
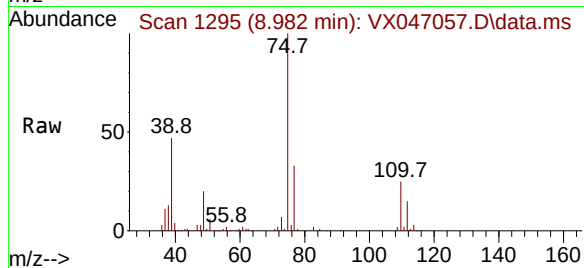
77 32.6 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#54

cis-1,3-Dichloropropene

Concen: 21.011 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

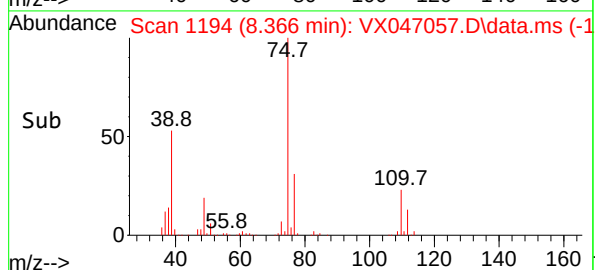
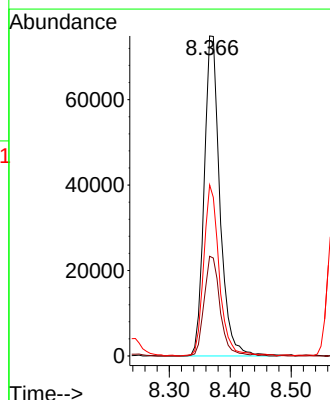
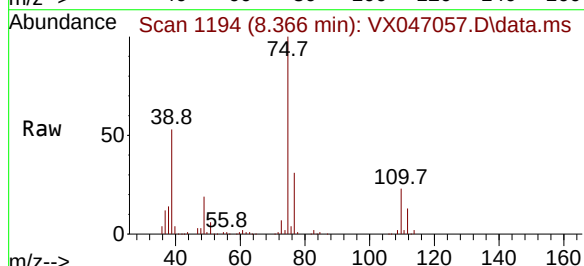
Tgt Ion: 75 Resp: 134587

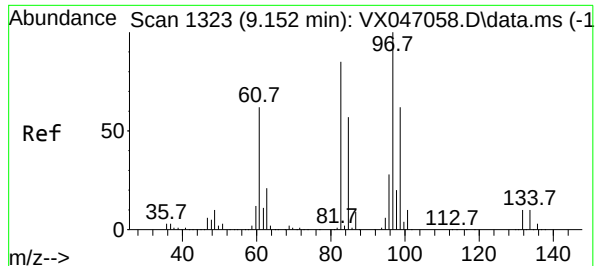
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 53.5 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 21.224 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 8113

Ion Ratio Lower Upper

97 100

83 82.2 68.0 102.0

85 55.0 45.2 67.8

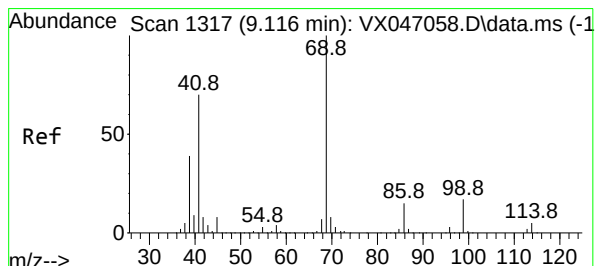
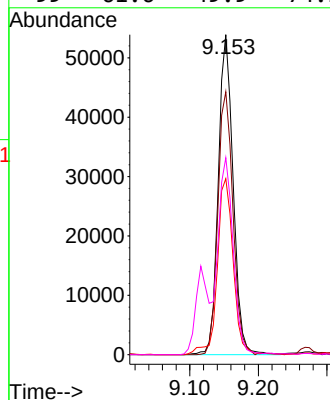
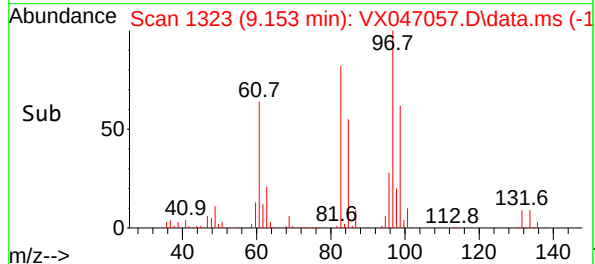
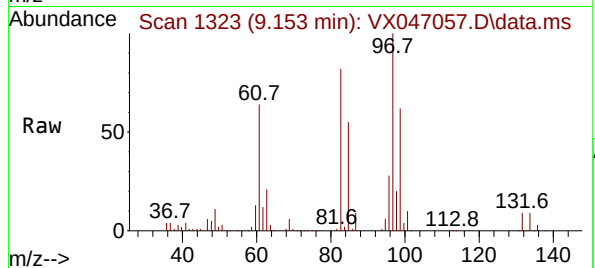
99 61.6 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#56

Ethyl methacrylate

Concen: 21.389 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

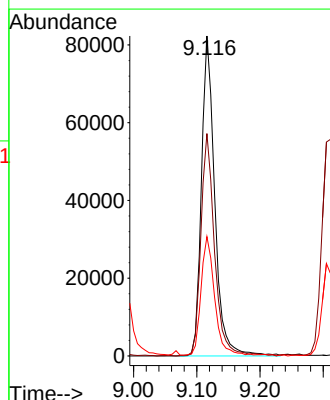
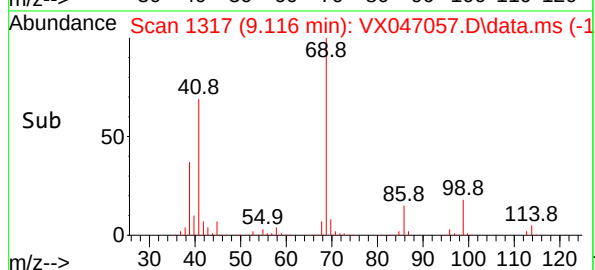
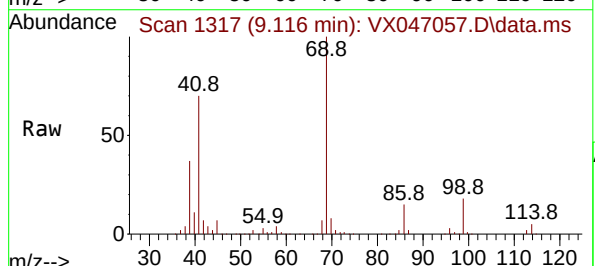
Tgt Ion: 69 Resp: 121053

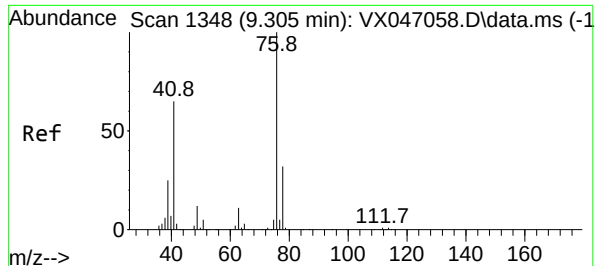
Ion Ratio Lower Upper

69 100

41 71.5 56.1 84.1

39 37.6 31.1 46.7





#57

1,3-Dichloropropane

Concen: 20.925 ug/l

RT: 9.311 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 13903

Ion Ratio Lower Upper

76 100

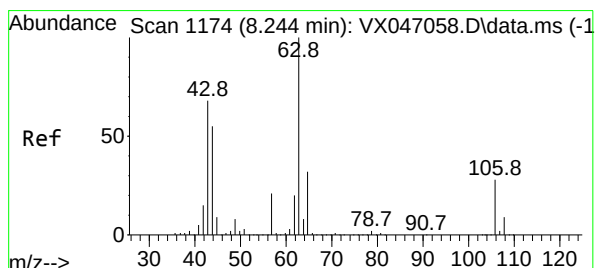
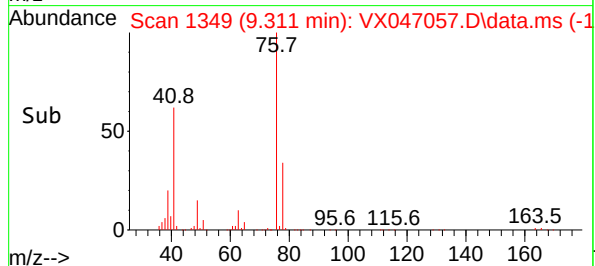
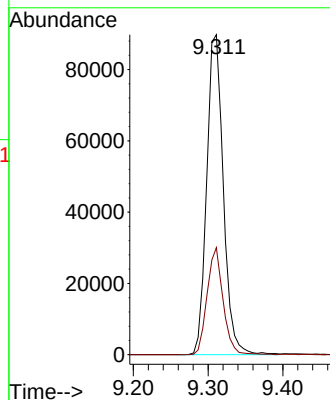
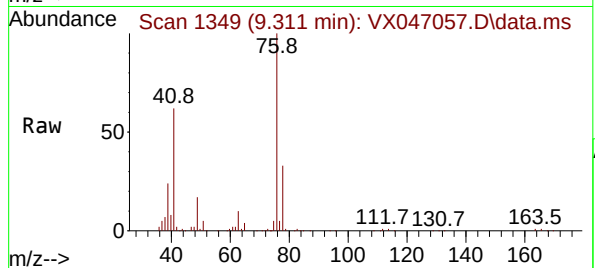
78 32.0 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#58

2-Chloroethyl Vinyl ether

Concen: 93.631 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX047057.D

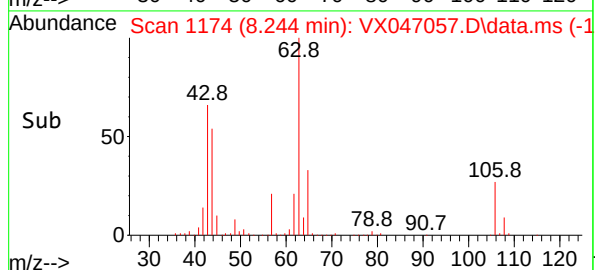
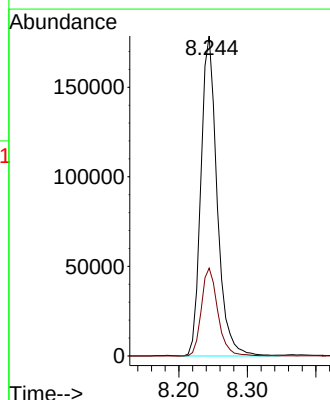
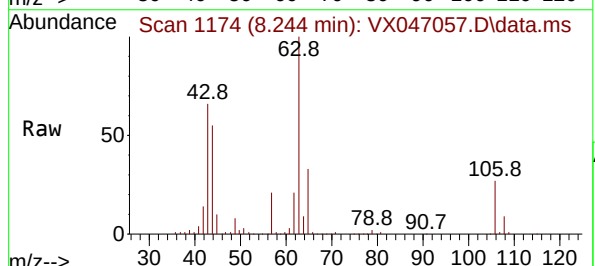
Acq: 21 Jul 2025 10:29

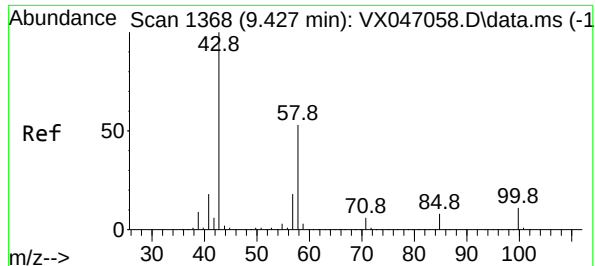
Tgt Ion: 63 Resp: 294878

Ion Ratio Lower Upper

63 100

106 27.7 22.2 33.4





#59

2-Hexanone

Concen: 109.015 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 352298

Ion Ratio Lower Upper

43 100

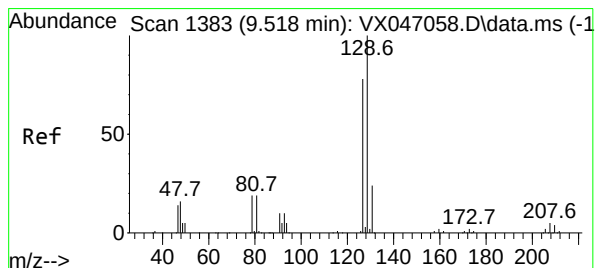
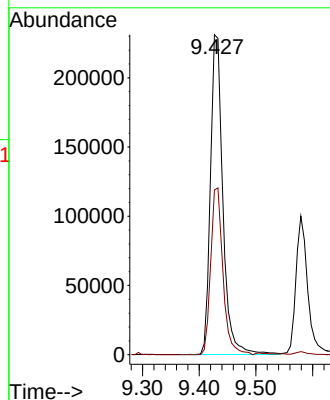
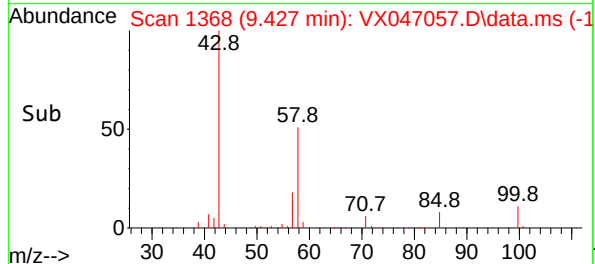
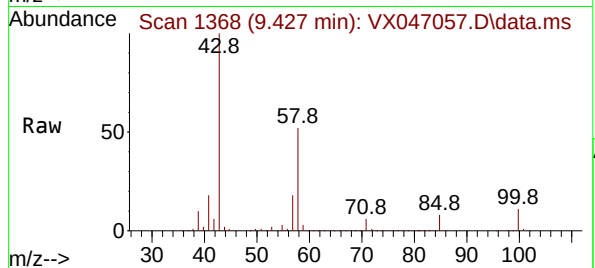
58 51.2 26.5 79.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#60

Dibromochloromethane

Concen: 20.779 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX047057.D

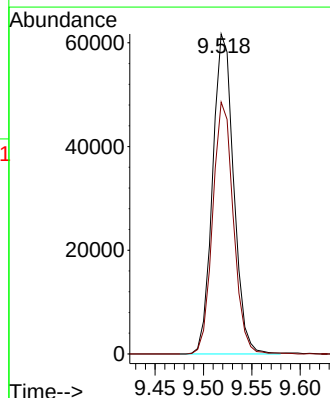
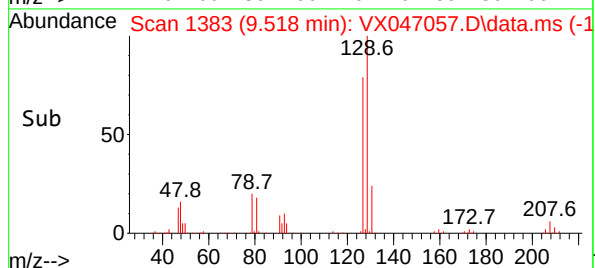
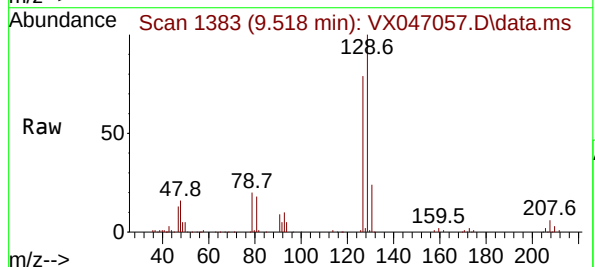
Acq: 21 Jul 2025 10:29

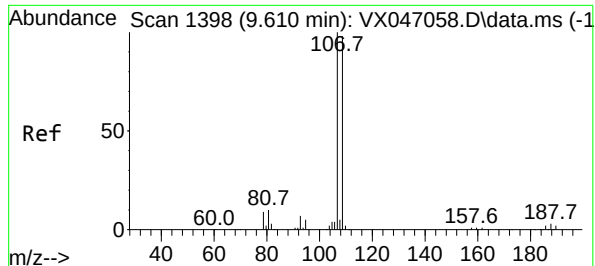
Tgt Ion:129 Resp: 93165

Ion Ratio Lower Upper

129 100

127 77.5 38.6 115.8





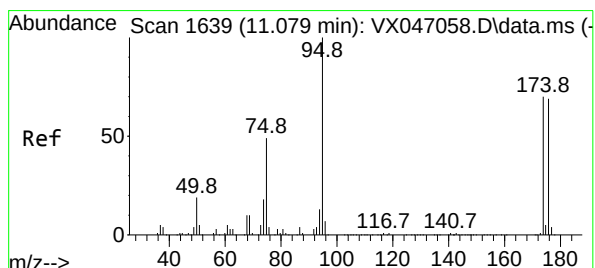
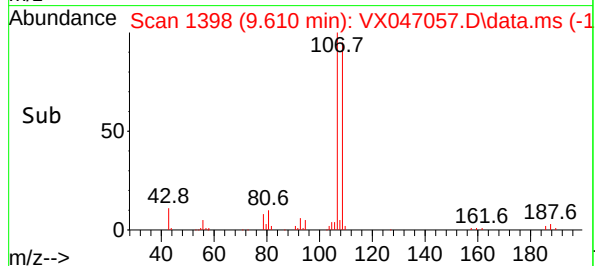
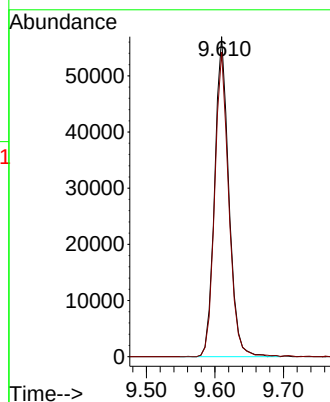
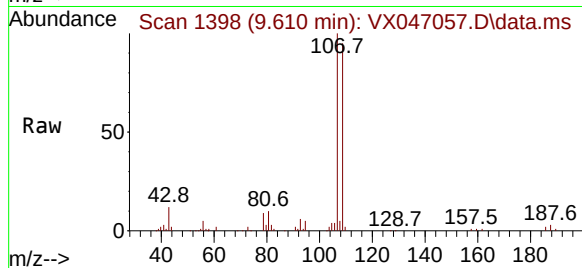
#61
1,2-Dibromoethane
Concen: 20.522 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:107 Resp: 82035
Ion Ratio Lower Upper
107 100
109 94.4 74.6 112.0

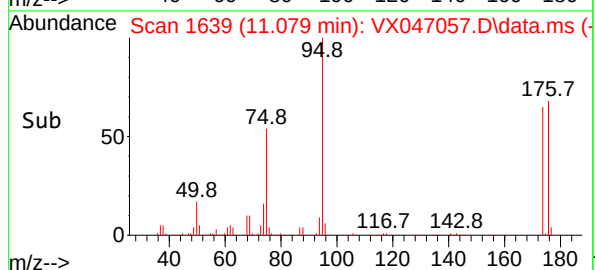
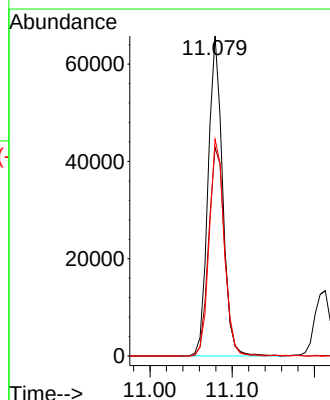
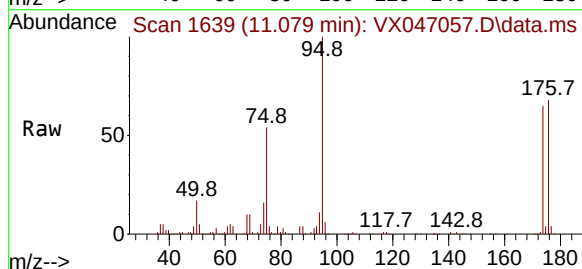
Manual Integrations
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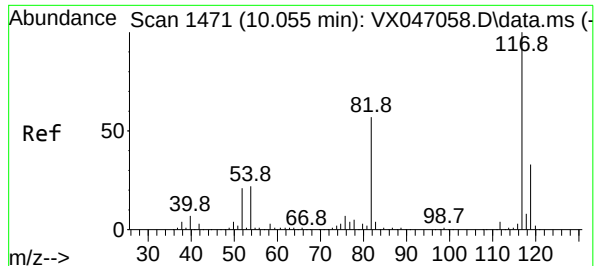
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#62
4-Bromofluorobenzene
Concen: 17.133 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

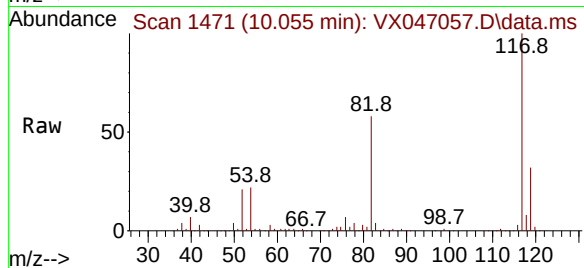
Tgt Ion: 95 Resp: 80359
Ion Ratio Lower Upper
95 100
174 71.2 0.0 144.6
176 70.0 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

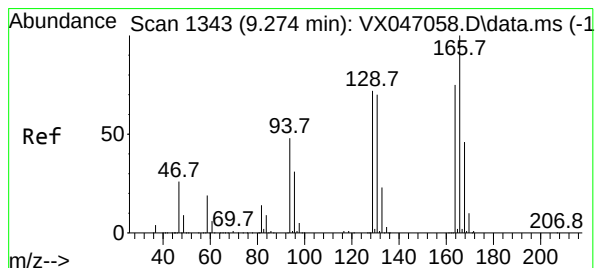
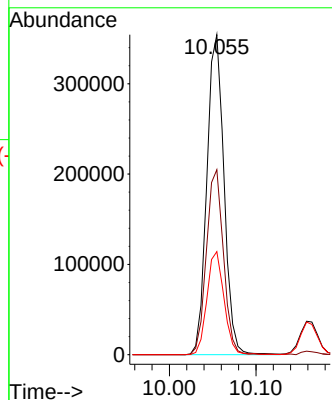
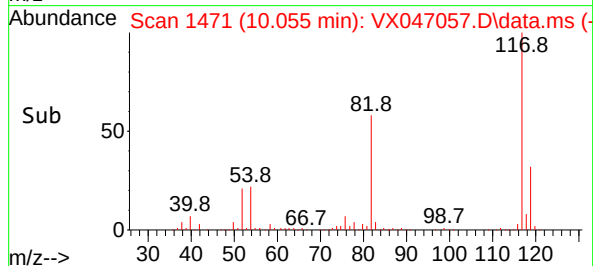
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion:117 Resp: 486572
Ion Ratio Lower Upper
117 100
82 57.8 45.4 68.2
119 32.2 26.1 39.1

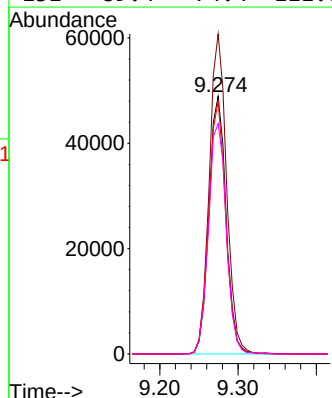
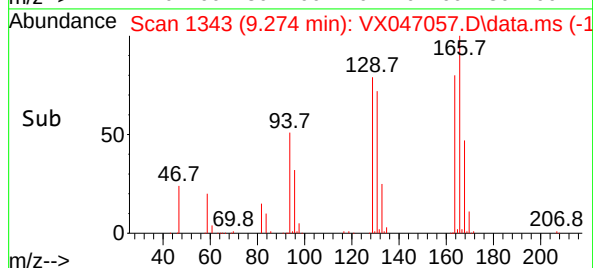
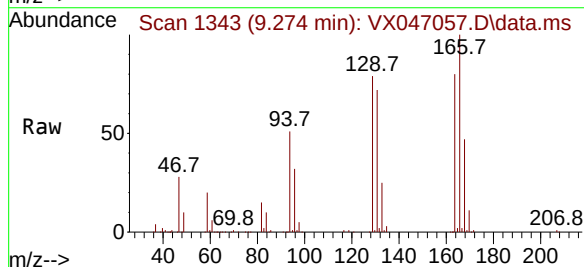
Manual Integrations
APPROVED

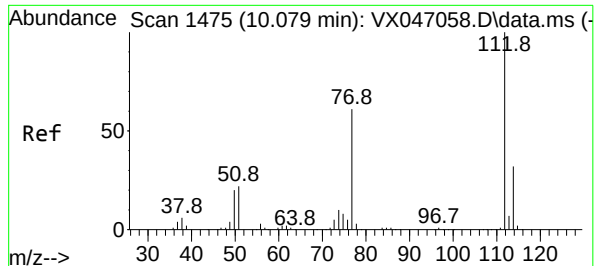
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#64
Tetrachloroethene
Concen: 21.147 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:164 Resp: 74177
Ion Ratio Lower Upper
164 100
166 124.2 106.2 159.4
129 98.0 76.6 114.8
131 89.4 74.4 111.6





#65

Chlorobenzene

Concen: 20.917 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 238428

Ion Ratio Lower Upper

112 100

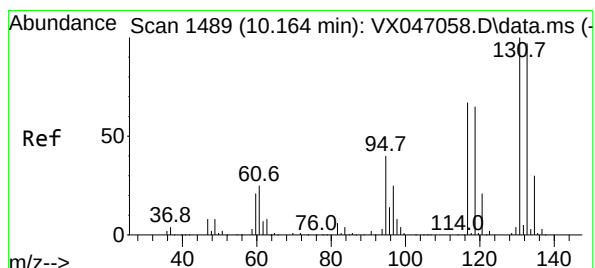
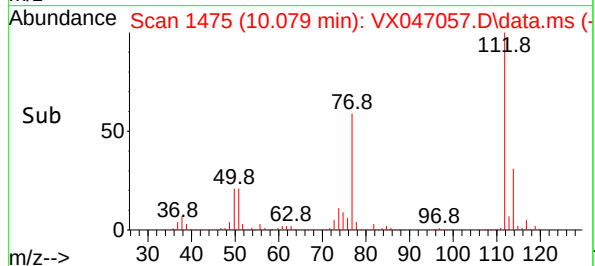
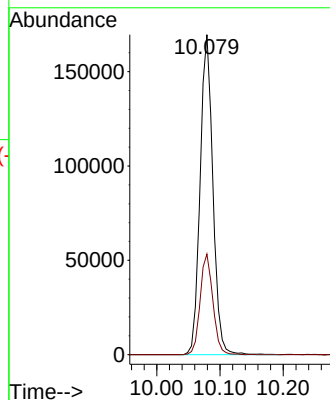
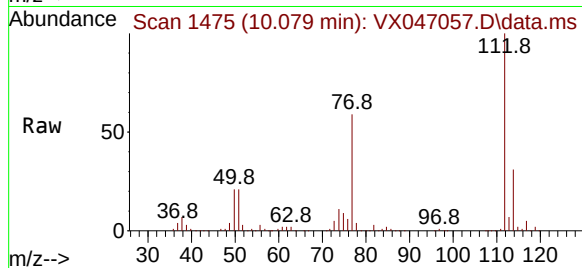
114 31.5 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 20.502 ug/l

RT: 10.158 min Scan# 1488

Delta R.T. -0.006 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

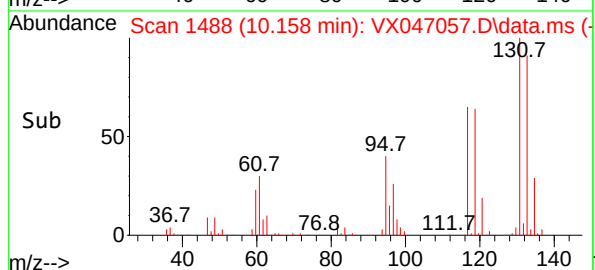
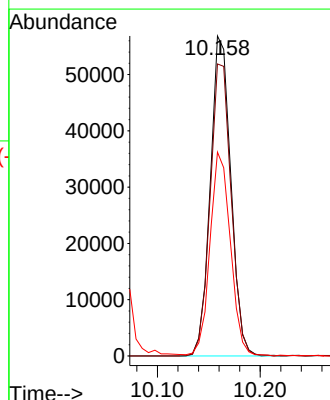
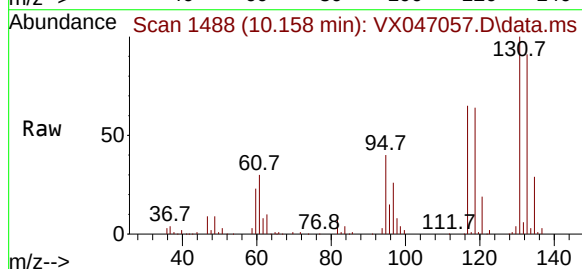
Tgt Ion:131 Resp: 78682

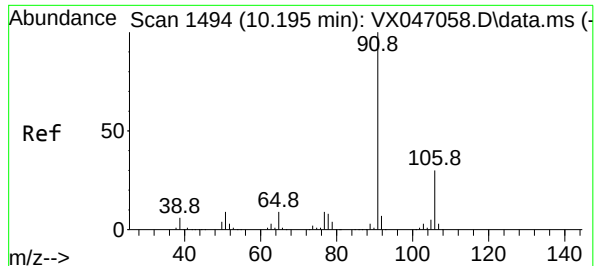
Ion Ratio Lower Upper

131 100

133 93.9 48.4 145.3

119 63.6 32.4 97.0





#67

Ethyl Benzene

Concen: 20.693 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 41241

Ion Ratio Lower Upper

91 100

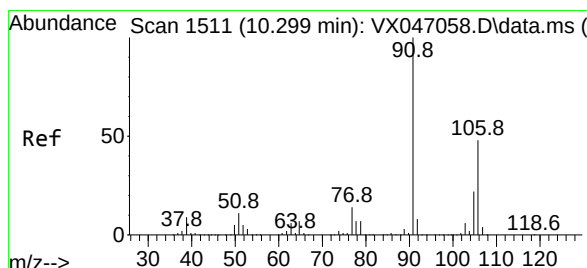
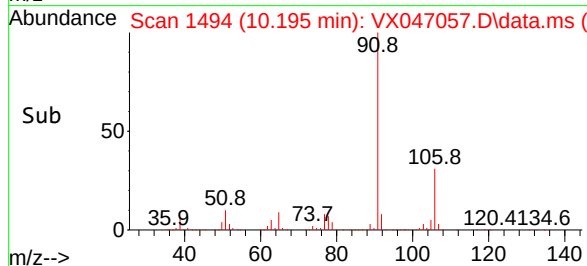
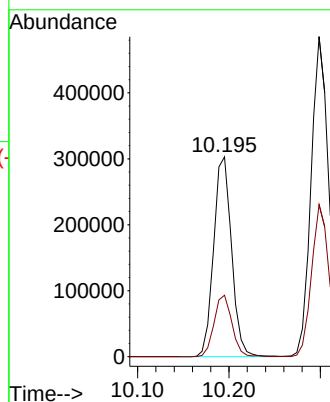
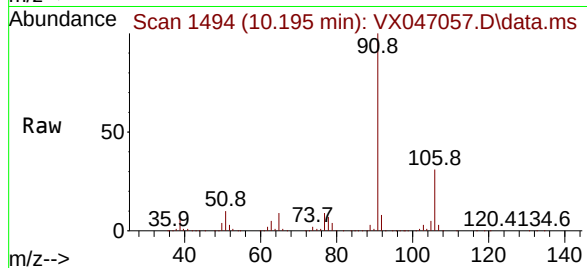
106 30.8 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#68

m/p-Xylenes

Concen: 41.478 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX047057.D

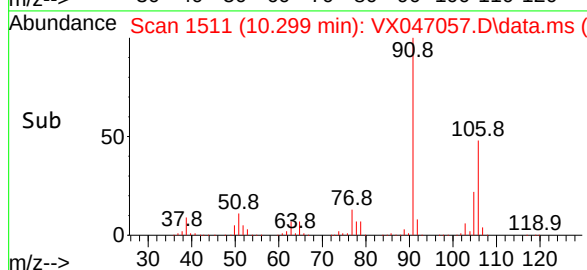
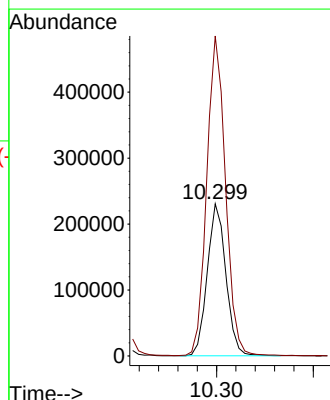
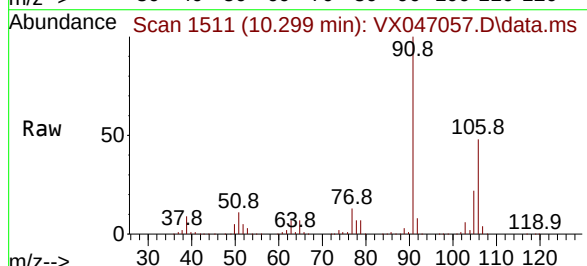
Acq: 21 Jul 2025 10:29

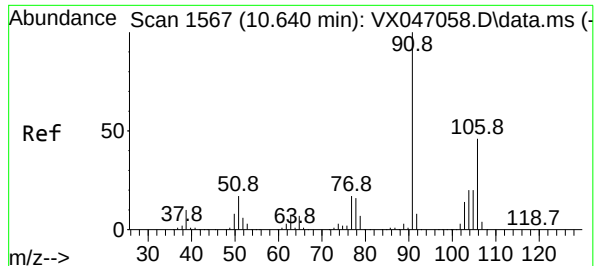
Tgt Ion:106 Resp: 309353

Ion Ratio Lower Upper

106 100

91 212.6 167.4 251.0





#69

o-Xylene

Concen: 21.083 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 149592

Ion Ratio Lower Upper

106 100

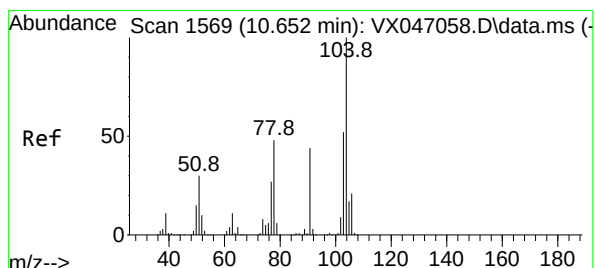
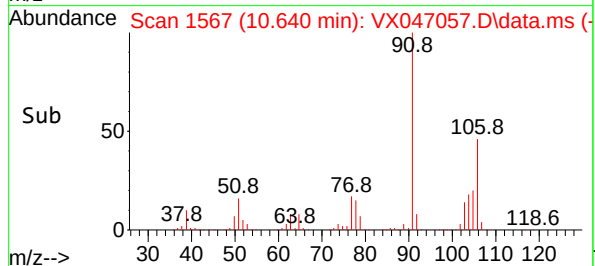
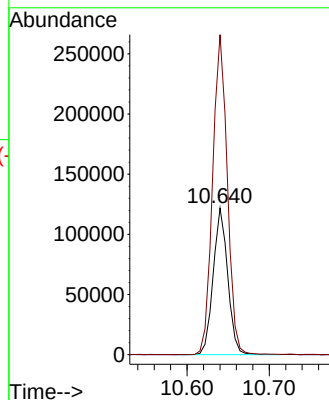
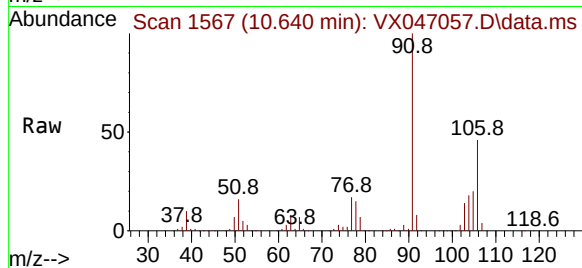
91 221.0 110.3 331.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#70

Styrene

Concen: 21.310 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

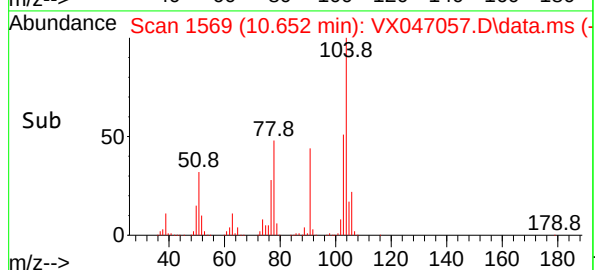
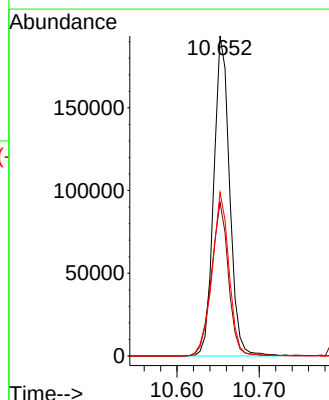
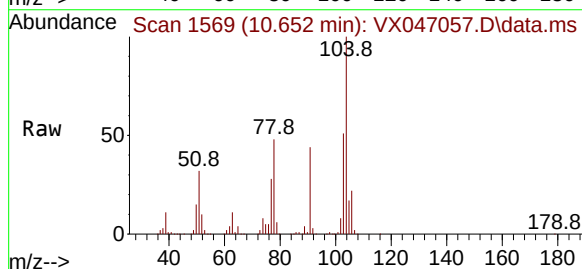
Tgt Ion:104 Resp: 259267

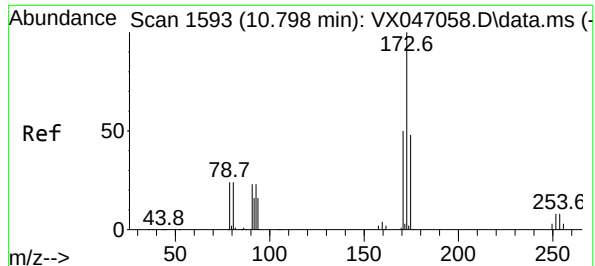
Ion Ratio Lower Upper

104 100

78 51.9 42.0 63.0

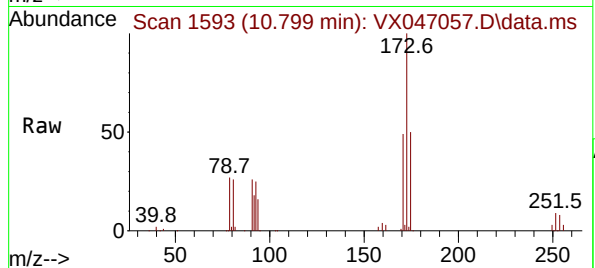
103 54.6 43.8 65.6





#71
Bromoform
Concen: 20.135 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

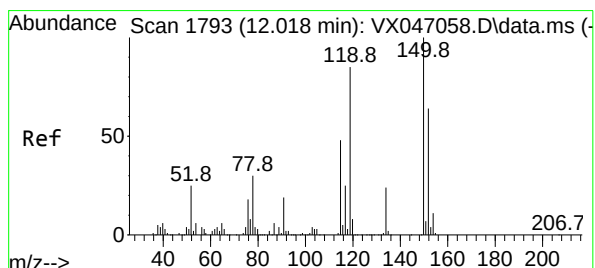
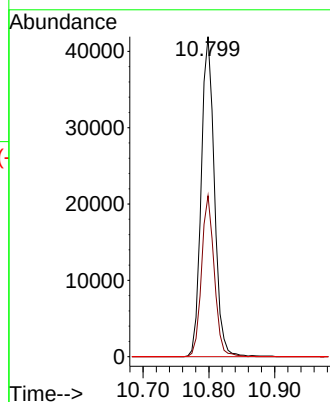
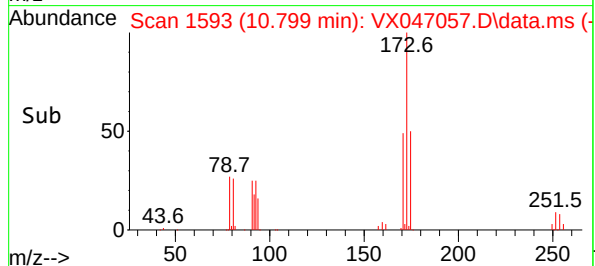
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:173 Resp: 58699
Ion Ratio Lower Upper
173 100
175 48.4 24.2 72.6
254 0.0 0.1 0.1

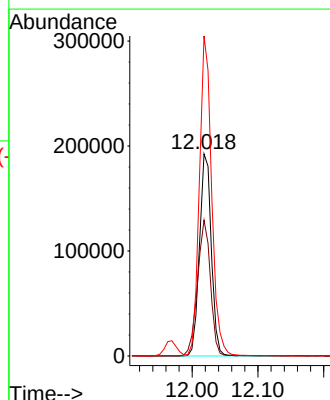
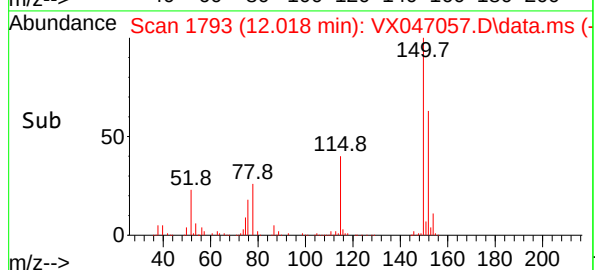
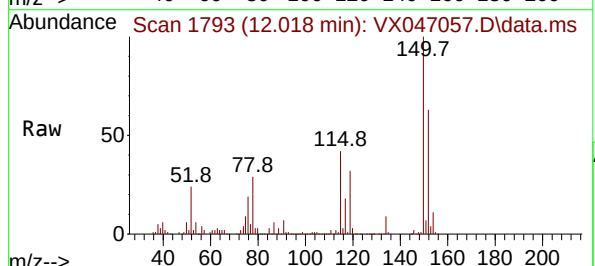
Manual Integrations
APPROVED

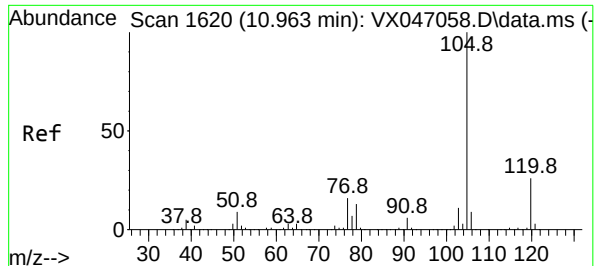
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:152 Resp: 240632
Ion Ratio Lower Upper
152 100
115 73.2 45.6 136.7
150 163.9 0.0 354.6





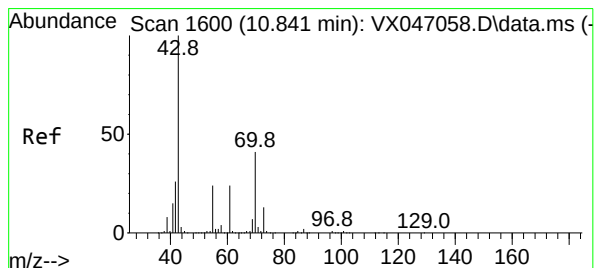
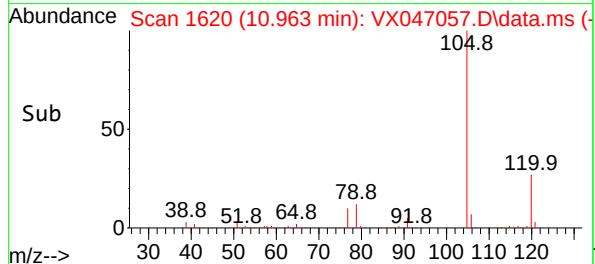
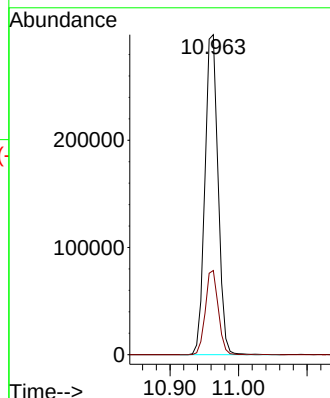
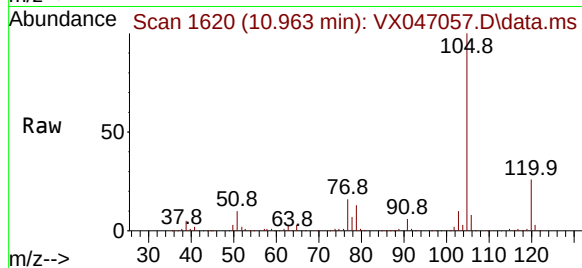
#73
Isopropylbenzene
Concen: 21.021 ug/l
RT: 10.963 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:105 Resp: 399075
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.7

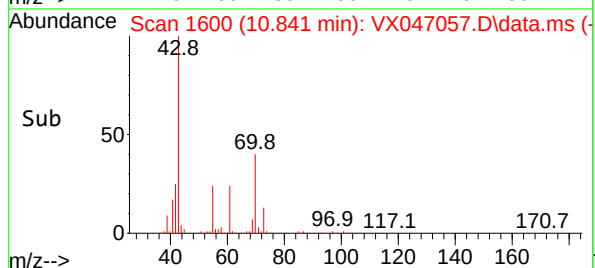
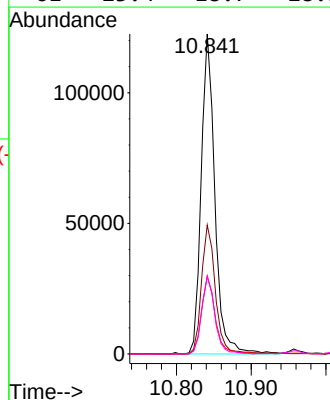
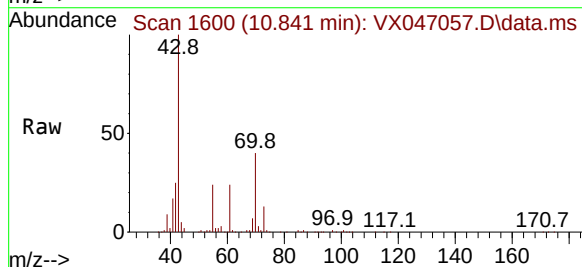
Manual Integrations
APPROVED

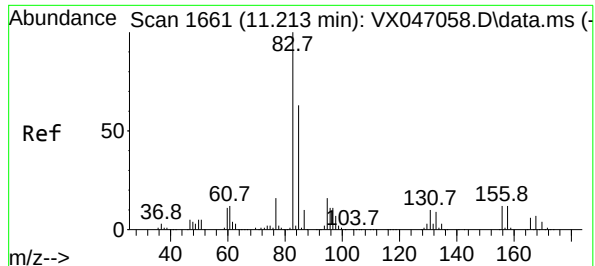
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#74
N-ethyl acetate
Concen: 20.558 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 43 Resp: 155675
Ion Ratio Lower Upper
43 100
70 41.1 32.3 48.5
55 24.5 18.9 28.3
61 23.4 18.7 28.1





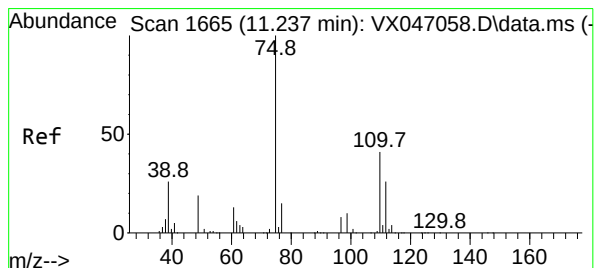
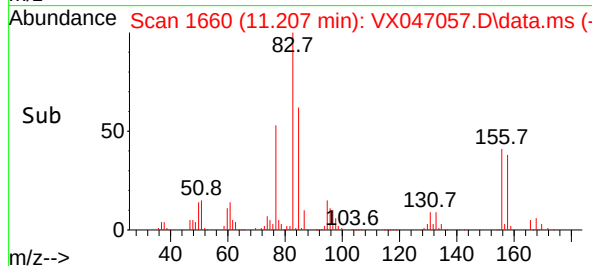
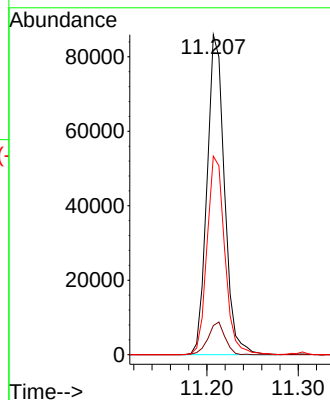
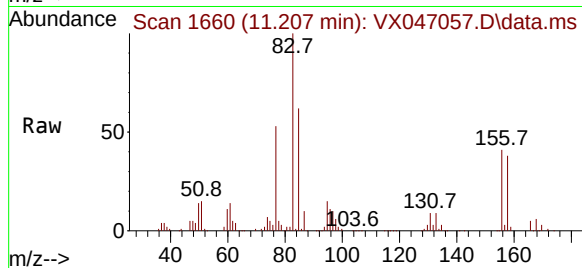
#75
1,1,2,2-Tetrachloroethane
Concen: 20.975 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 11374
Ion Ratio Lower Upper
83 100
131 9.9 5.0 14.9
85 63.1 32.0 96.2

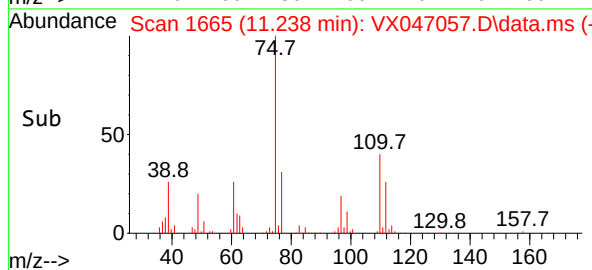
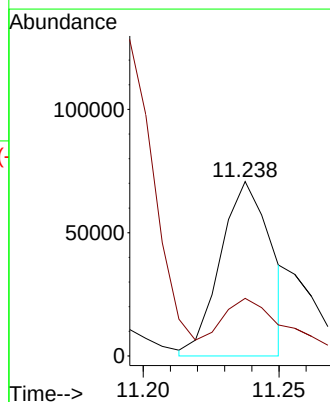
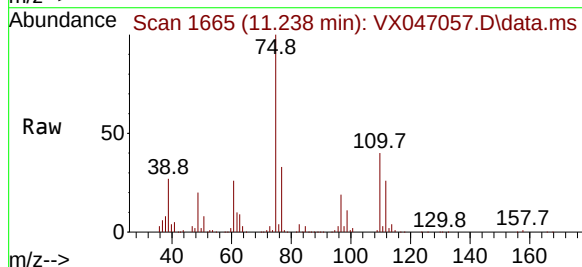
Manual Integrations
APPROVED

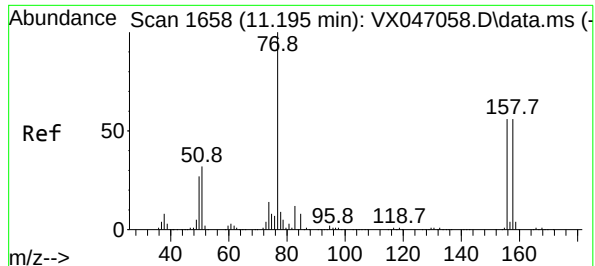
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#76
1,2,3-Trichloropropane
Concen: 20.656 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

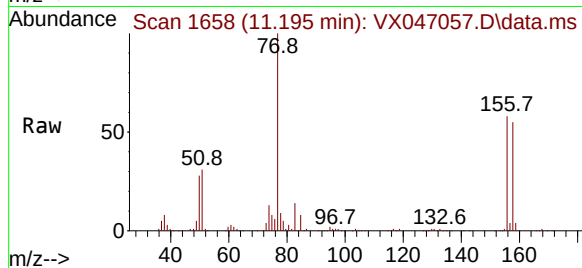
Tgt Ion: 75 Resp: 92003
Ion Ratio Lower Upper
75 100
77 43.2 21.6 65.0





#77
Bromobenzene
Concen: 21.073 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

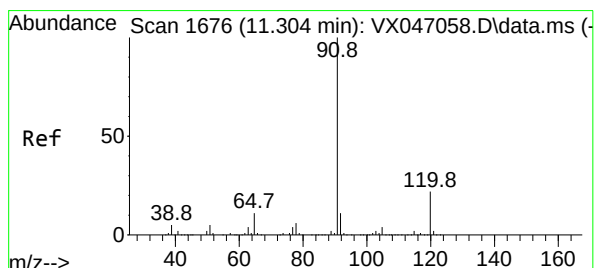
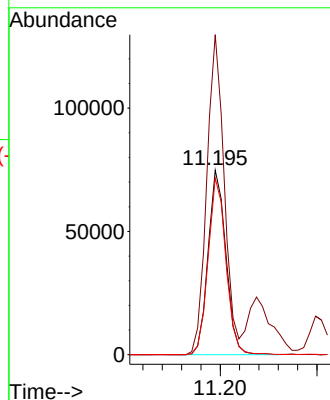
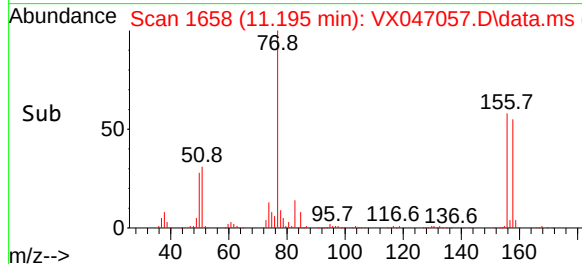
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:156 Resp: 9595
Ion Ratio Lower Upper
156 100
77 169.8 87.3 261.9
158 95.8 48.9 146.6

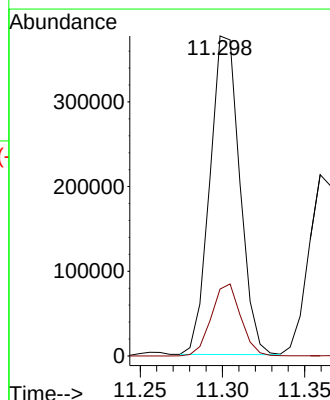
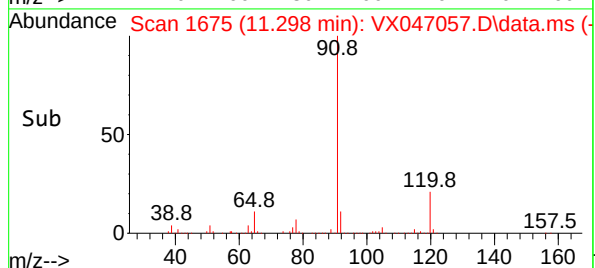
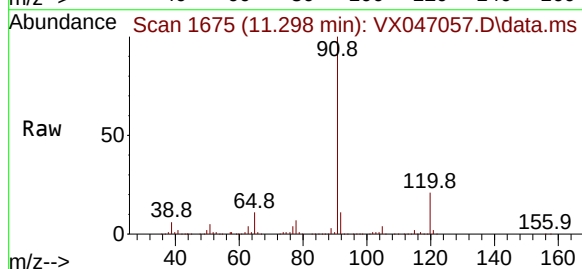
Manual Integrations
APPROVED

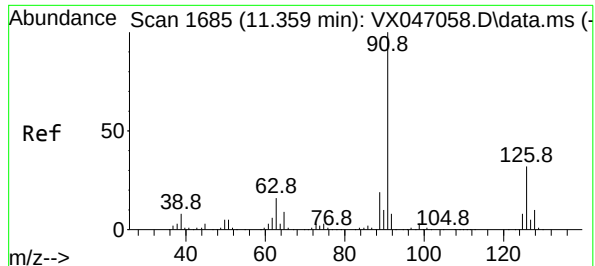
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#78
n-propylbenzene
Concen: 20.991 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 91 Resp: 476196
Ion Ratio Lower Upper
91 100
120 22.2 11.0 33.0





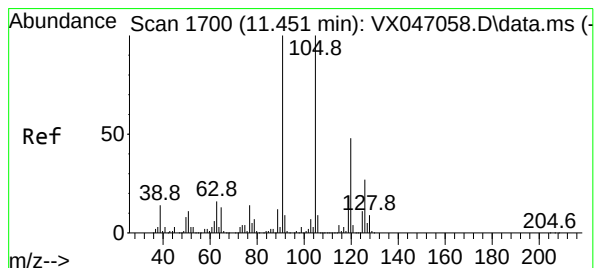
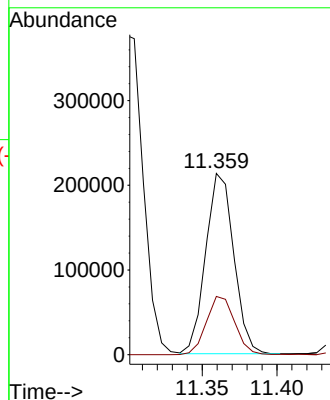
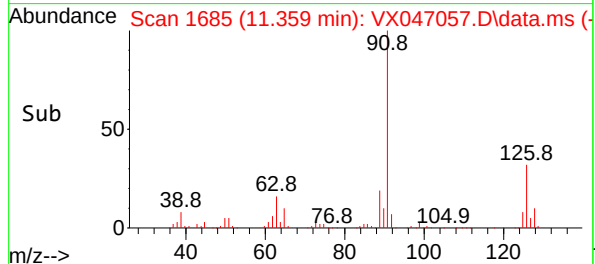
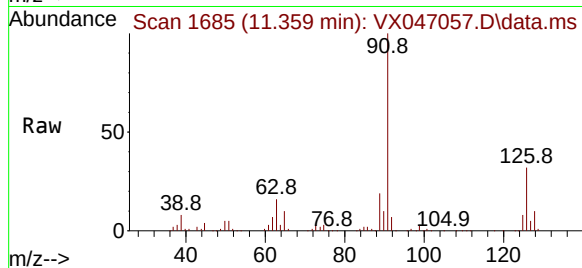
#79
2-Chlorotoluene
Concen: 20.545 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 278615
Ion Ratio Lower Upper
91 100
126 32.7 16.4 49.4

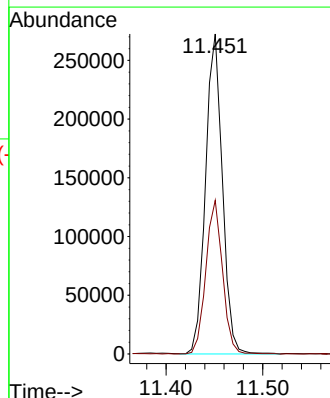
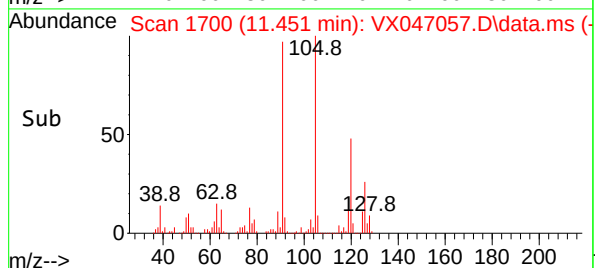
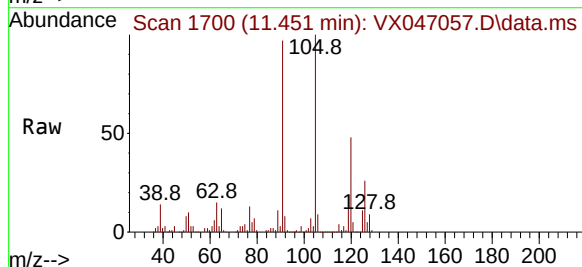
Manual Integrations
APPROVED

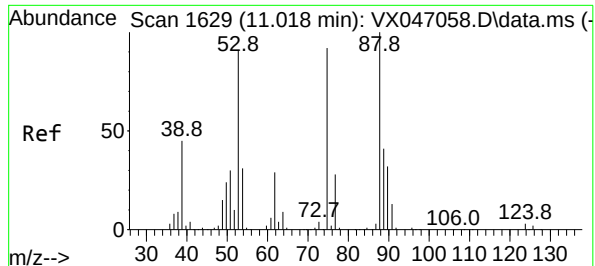
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#80
1,3,5-Trimethylbenzene
Concen: 21.093 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:105 Resp: 330824
Ion Ratio Lower Upper
105 100
120 47.6 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.440 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 31878

Ion Ratio Lower Upper

75 100

53 113.5 84.2 126.4

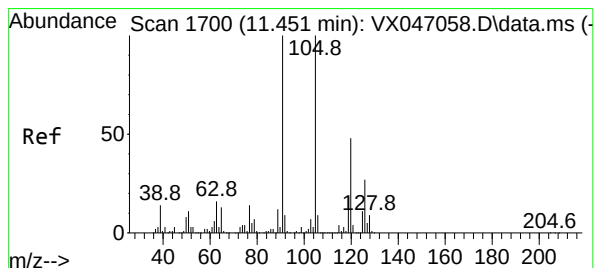
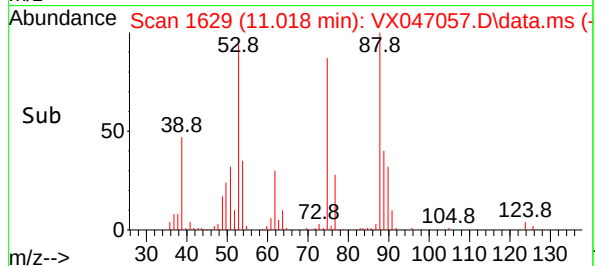
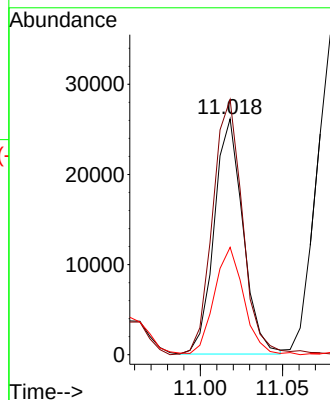
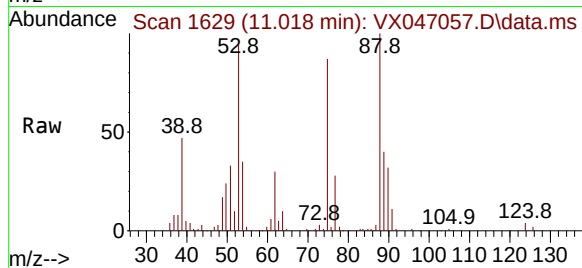
89 46.7 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#82

4-Chlorotoluene

Concen: 20.951 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX047057.D

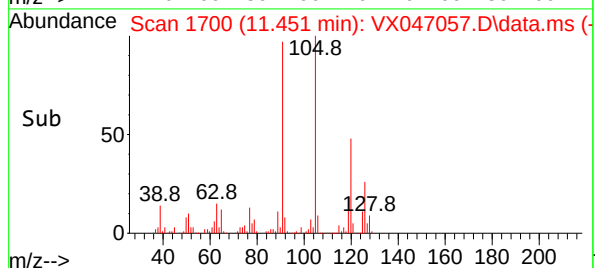
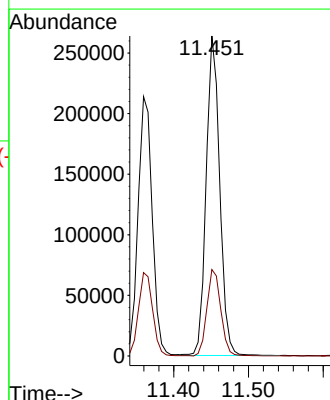
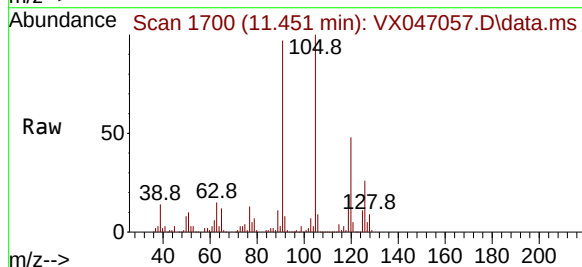
Acq: 21 Jul 2025 10:29

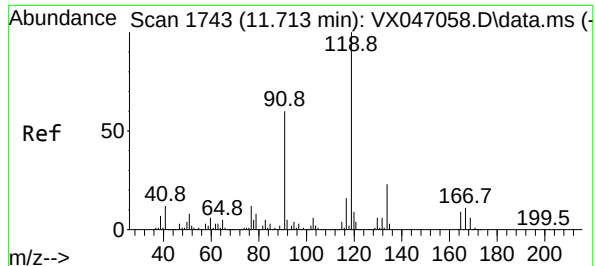
Tgt Ion: 91 Resp: 331629

Ion Ratio Lower Upper

91 100

126 27.9 14.1 42.3





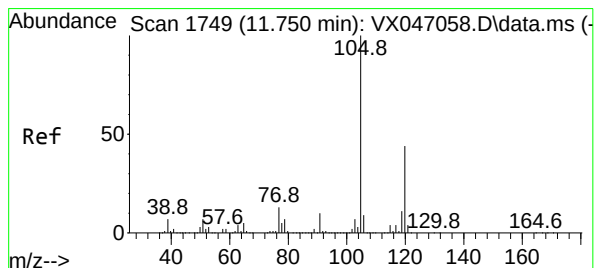
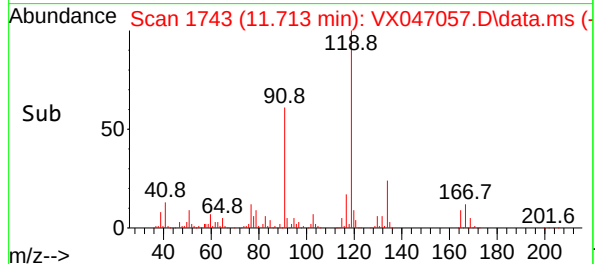
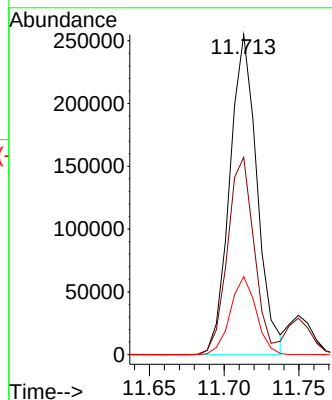
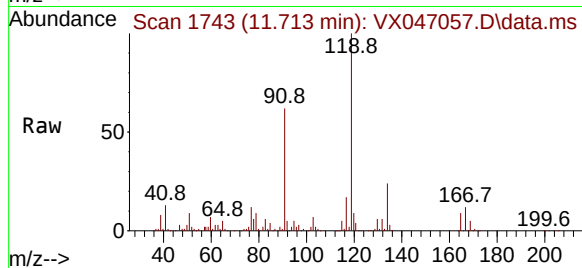
#83
tert-Butylbenzene
Concen: 20.571 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:119 Resp: 323819
Ion Ratio Lower Upper
119 100
91 59.9 29.6 88.8
134 23.2 11.4 34.1

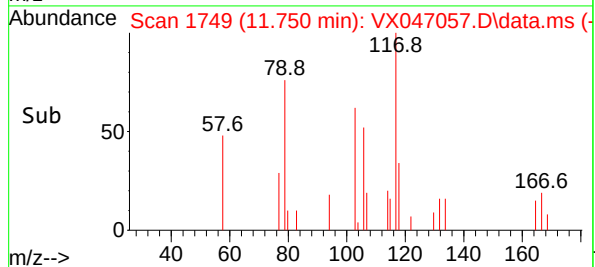
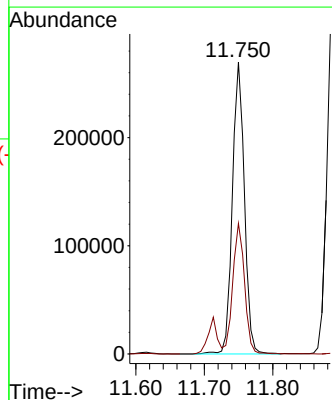
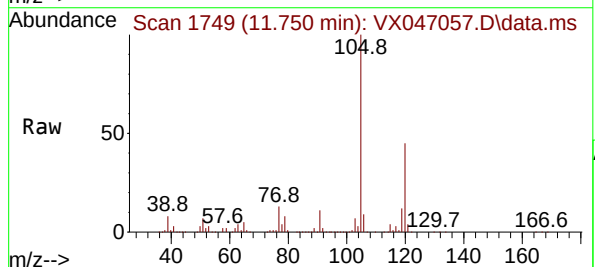
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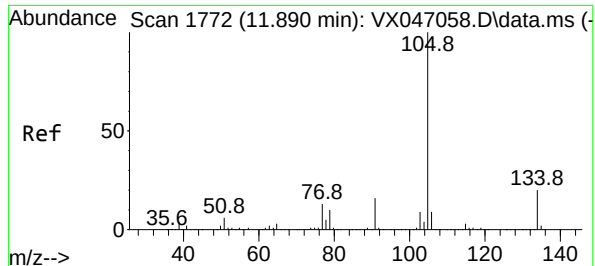
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#84
1,2,4-Trimethylbenzene
Concen: 21.010 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:105 Resp: 328672
Ion Ratio Lower Upper
105 100
120 43.8 22.0 66.0





#85

sec-Butylbenzene

Concen: 20.892 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 410930

Ion Ratio Lower Upper

105 100

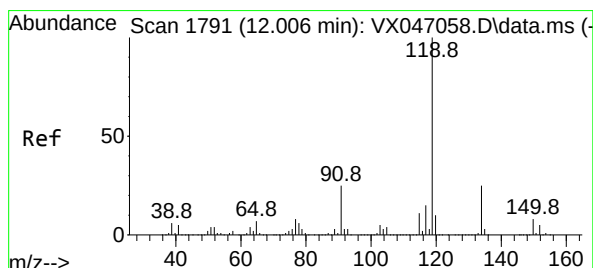
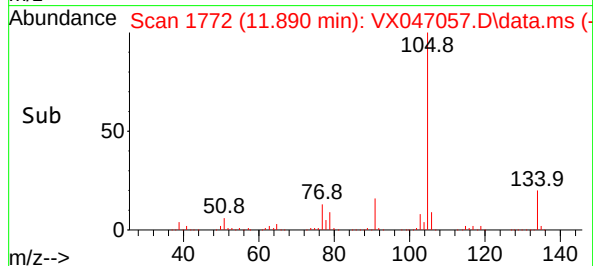
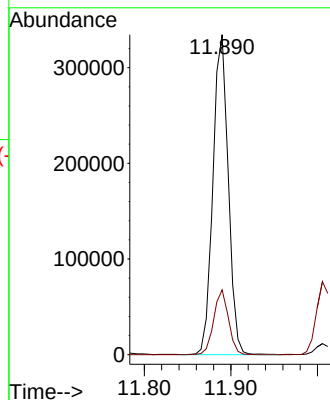
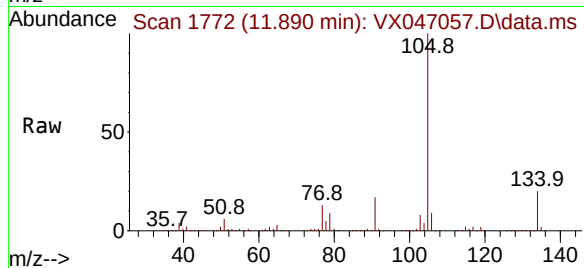
134 19.5 9.9 29.7

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#86

p-Isopropyltoluene

Concen: 21.065 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

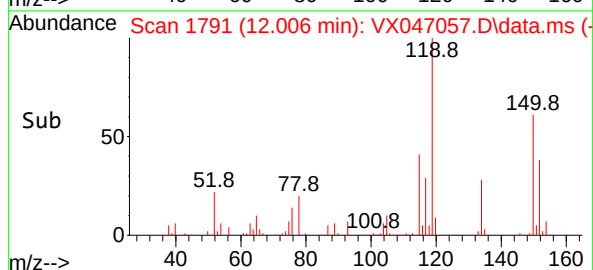
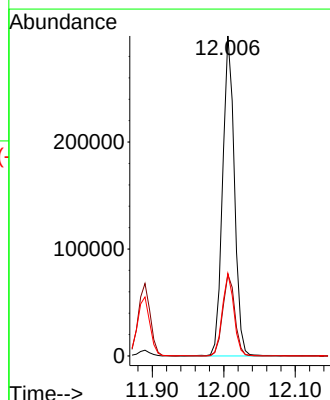
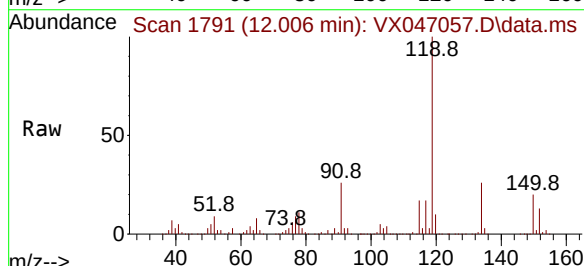
Tgt Ion:119 Resp: 343591

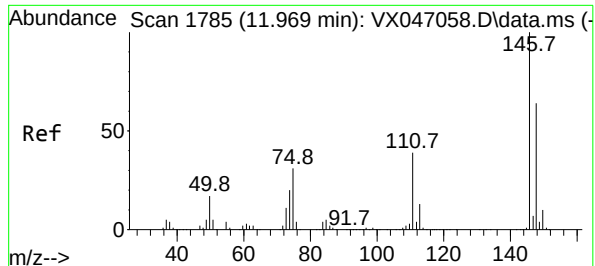
Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

91 25.4 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 20.789 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 17986

Ion Ratio Lower Upper

146 100

111 41.6 21.0 63.0

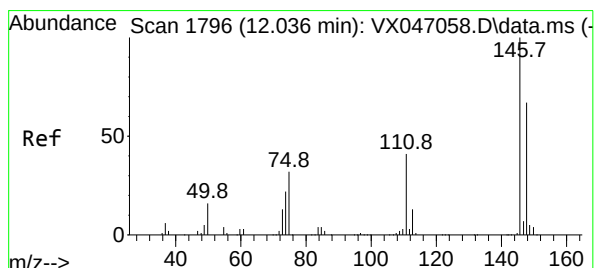
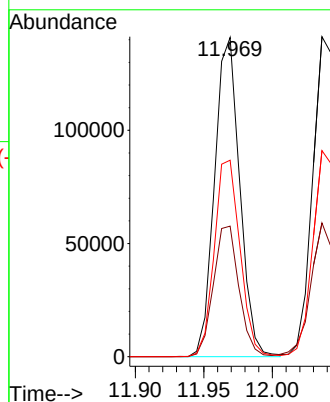
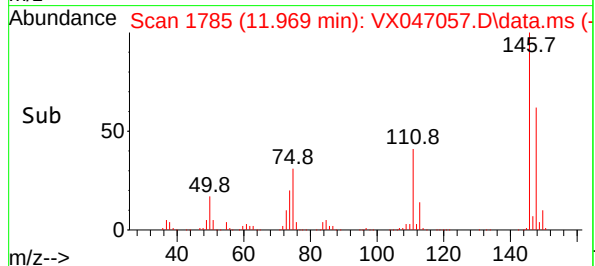
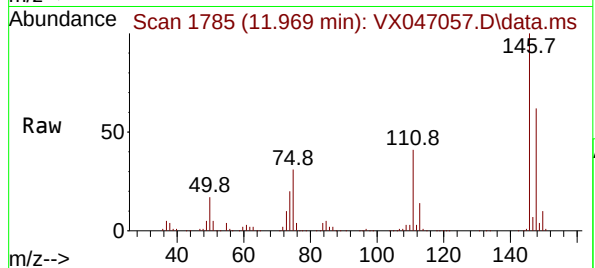
148 63.3 32.0 96.0

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#88

1,4-Dichlorobenzene

Concen: 20.897 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

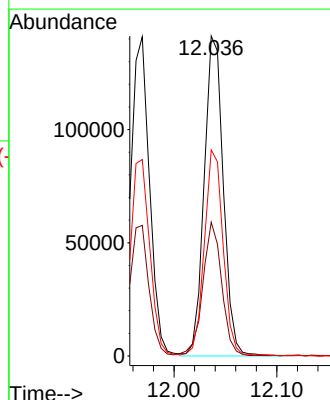
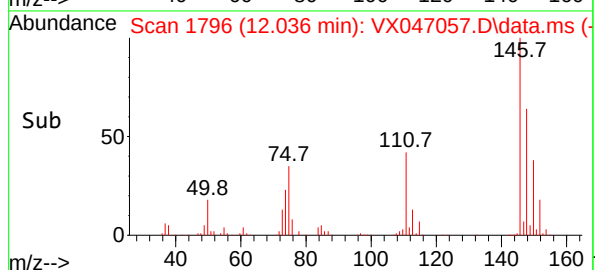
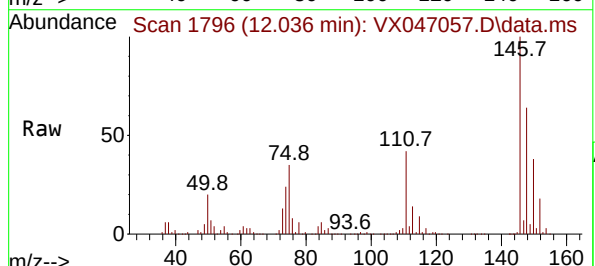
Tgt Ion:146 Resp: 183173

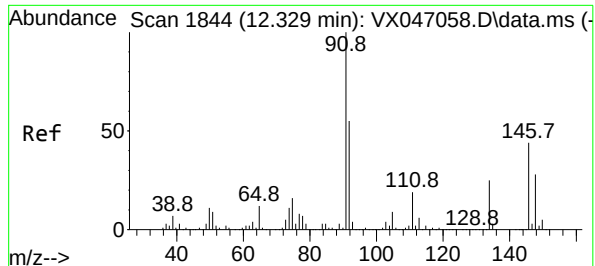
Ion Ratio Lower Upper

146 100

111 41.4 20.6 61.9

148 63.3 33.0 98.9





#89

n-Butylbenzene

Concen: 20.916 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 319940

Ion Ratio Lower Upper

91 100

92 53.1 27.5 82.5

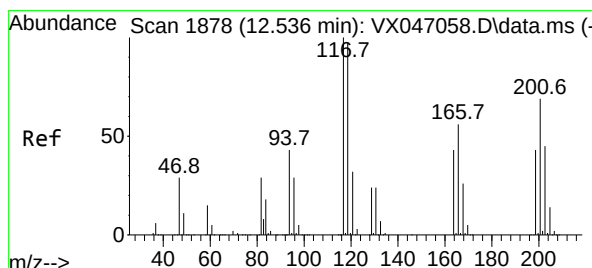
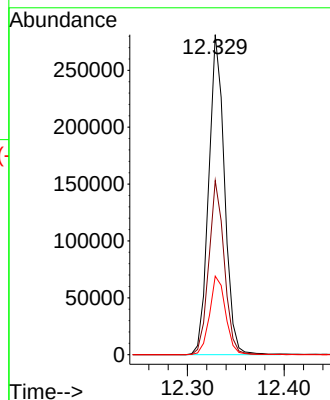
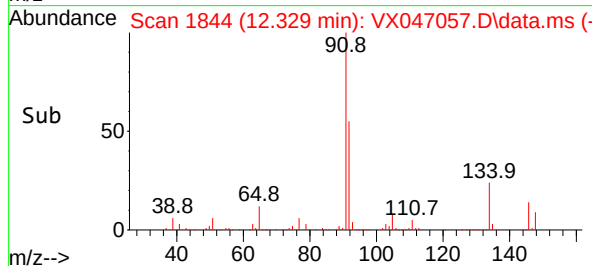
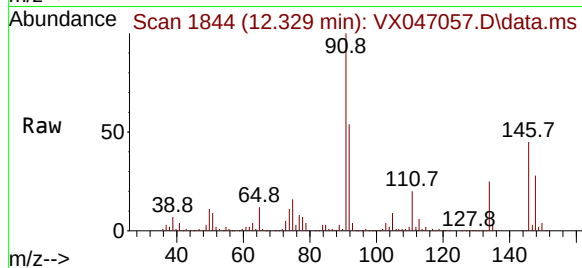
134 25.0 12.8 38.3

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#90

Hexachloroethane

Concen: 19.896 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX047057.D

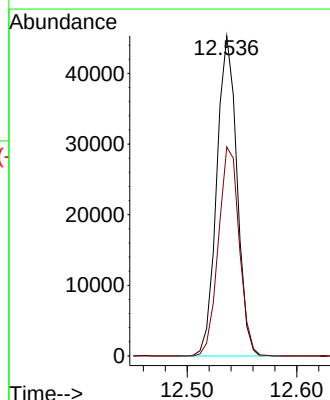
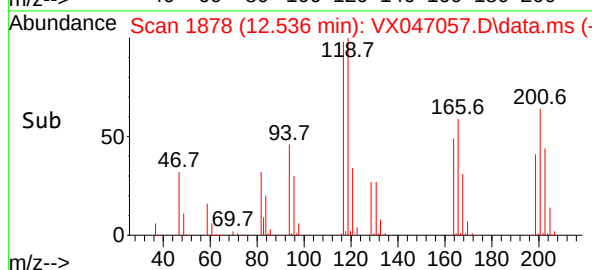
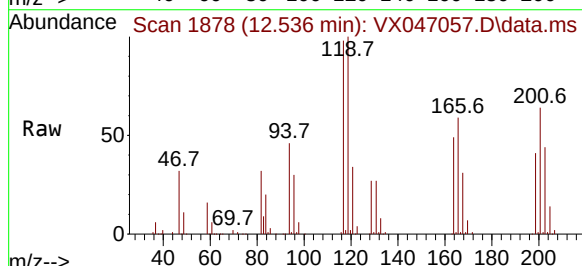
Acq: 21 Jul 2025 10:29

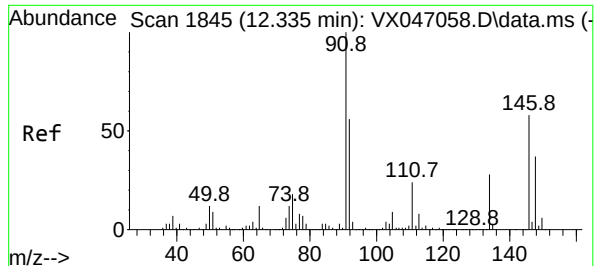
Tgt Ion:117 Resp: 58057

Ion Ratio Lower Upper

117 100

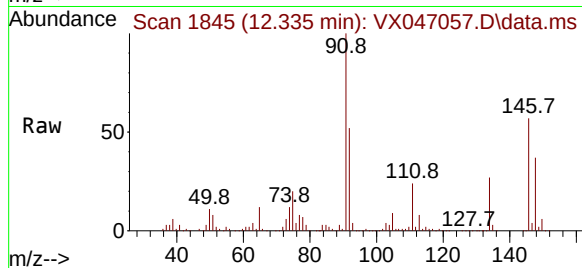
201 67.5 34.8 104.5





#91
1,2-Dichlorobenzene
Concen: 20.528 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

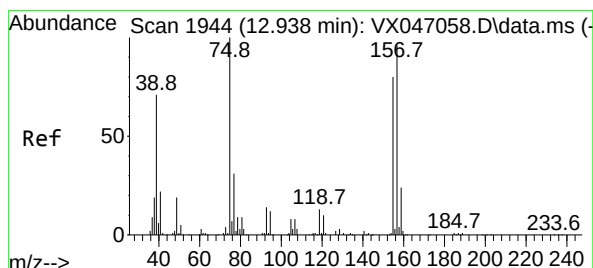
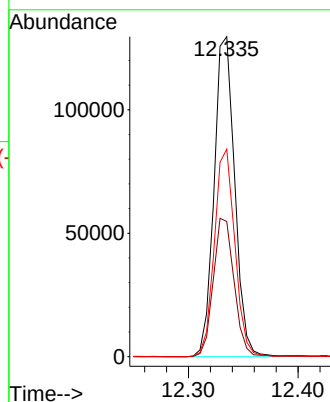
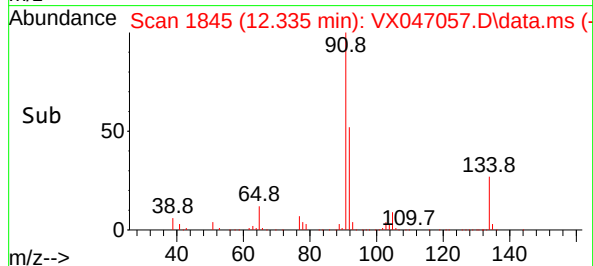
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion:146 Resp: 169749
Ion Ratio Lower Upper
146 100
111 43.9 21.6 64.6
148 64.8 31.9 95.7

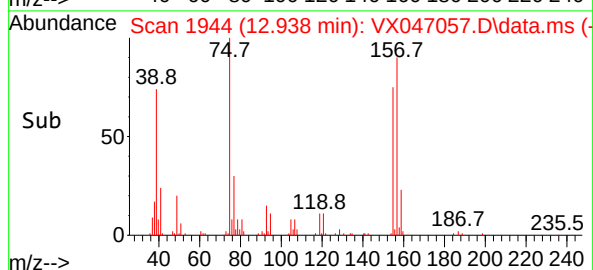
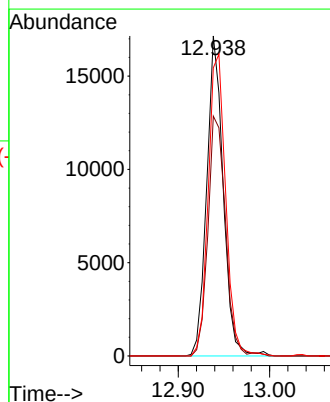
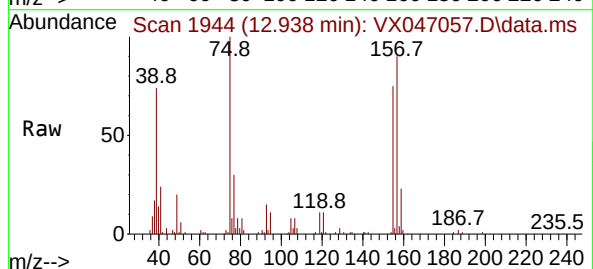
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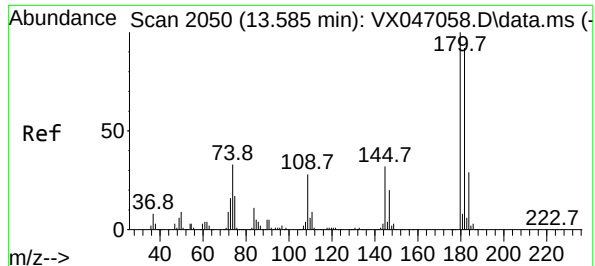
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.585 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 75 Resp: 21427
Ion Ratio Lower Upper
75 100
155 79.9 41.3 124.1
157 99.9 52.8 158.3





#93

1,2,4-Trichlorobenzene

Concen: 20.413 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion:180 Resp: 11152

Ion Ratio Lower Upper

180 100

182 95.8 47.3 141.8

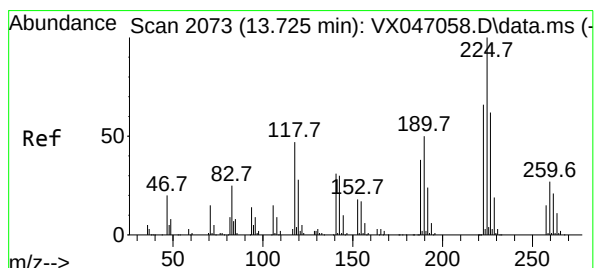
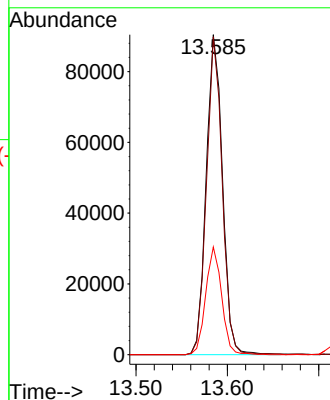
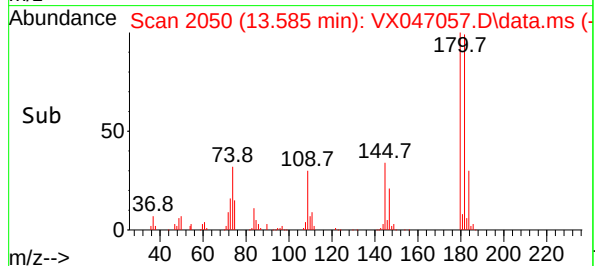
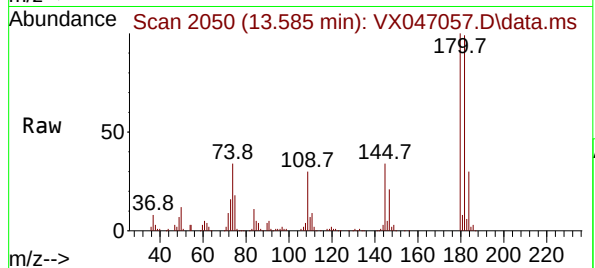
145 33.0 16.4 49.1

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#94

Hexachlorobutadiene

Concen: 21.090 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX047057.D

Acq: 21 Jul 2025 10:29

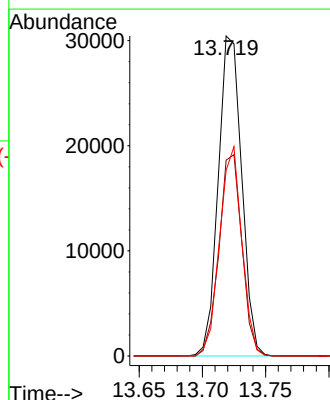
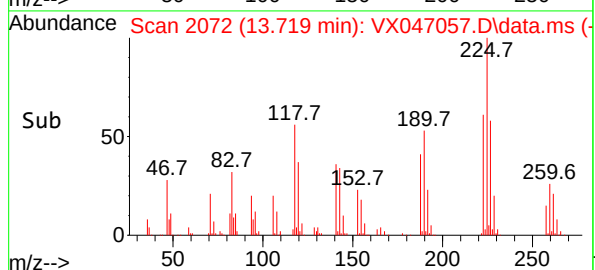
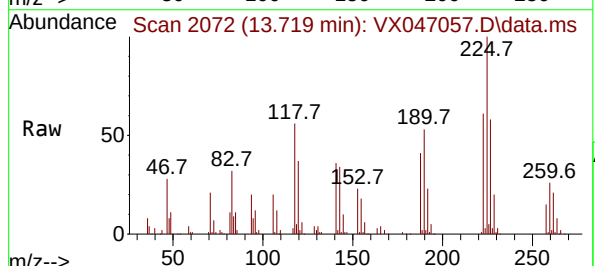
Tgt Ion:225 Resp: 39186

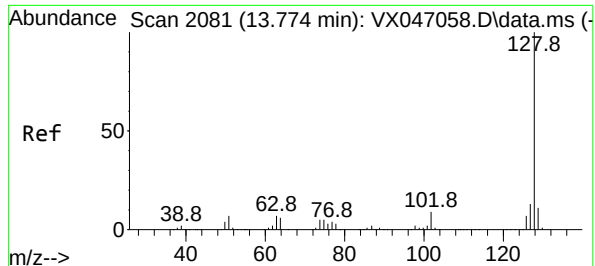
Ion Ratio Lower Upper

225 100

223 61.5 31.6 95.0

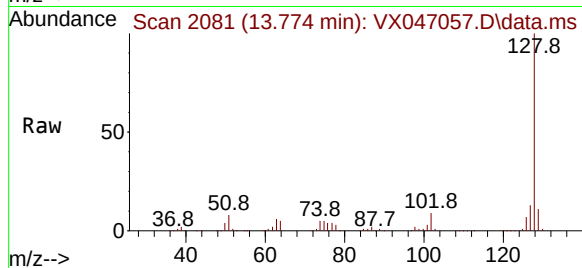
227 62.0 32.9 98.6





#95
Naphthalene
Concen: 20.581 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

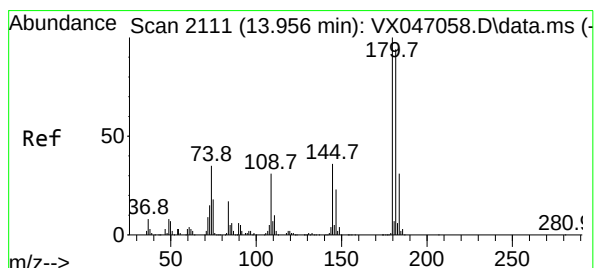
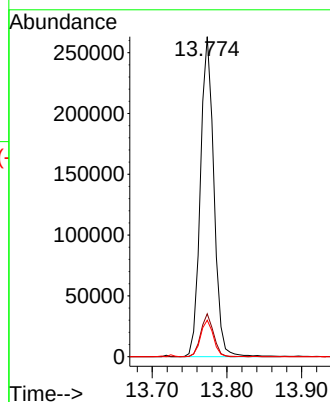
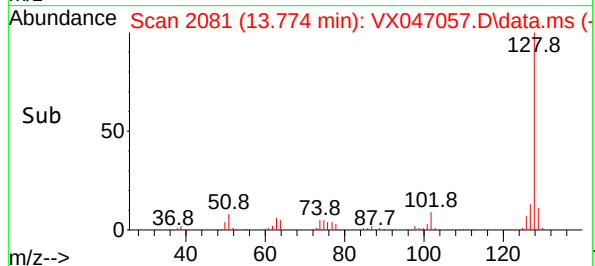
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion:128 Resp: 329630
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 11.0 8.6 13.0

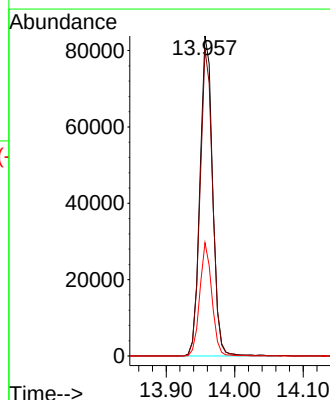
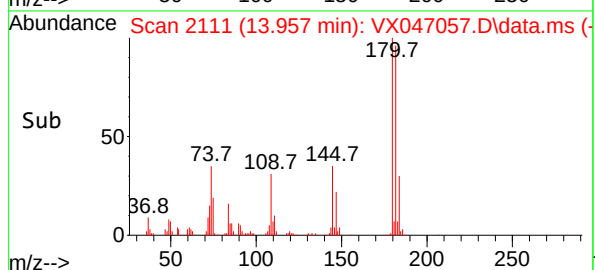
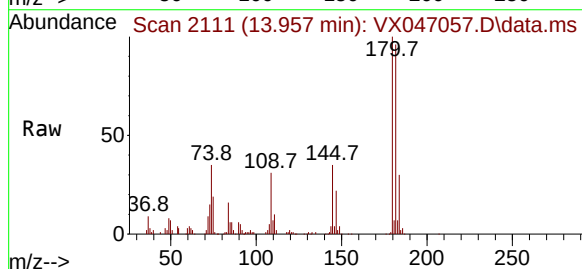
Manual Integrations
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Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:180 Resp: 107542
Ion Ratio Lower Upper
180 100
182 95.4 46.9 140.6
145 33.8 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047058.D
 Acq On : 21 Jul 2025 10:50
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
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Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:38:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	309883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	516282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	464565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	223799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	178313	46.193	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.380%		
35) Dibromofluoromethane	5.397	113	152747	47.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.840%		
50) Toluene-d8	8.652	98	477108	46.217	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.440%		
62) 4-Bromofluorobenzene	11.079	95	211198	47.473	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.184	85	238090	57.844	ug/l	100
3) Chloromethane	1.306	50	216682	53.219	ug/l	100
4) Vinyl Chloride	1.386	62	241663	55.216	ug/l	100
5) Bromomethane	1.617	94	138734	58.354	ug/l	100
6) Chloroethane	1.703	64	145779	50.714	ug/l	100
7) Trichlorofluoromethane	1.904	101	358904	54.994	ug/l	100
8) Diethyl Ether	2.148	74	120887	52.535	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	209152	53.194	ug/l	100
10) Methyl Iodide	2.471	142	225356	56.237	ug/l	100
11) Tert butyl alcohol	2.958	59	113517	251.629	ug/l	100
12) 1,1-Dichloroethene	2.337	96	208894	53.640	ug/l	100
13) Acrolein	2.251	56	214749	258.372	ug/l	100
14) Allyl chloride	2.678	41	383854	54.528	ug/l	100
15) Acrylonitrile	3.074	53	510056	277.051	ug/l	100
16) Acetone	2.385	43	390060	252.239	ug/l	100
17) Carbon Disulfide	2.532	76	600045	53.261	ug/l	100
18) Methyl Acetate	2.715	43	213070	51.848	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	636699	53.721	ug/l	100
20) Methylene Chloride	2.806	84	223713	52.585	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	215393	54.049	ug/l	100
22) Diisopropyl ether	3.769	45	731970	54.083	ug/l	100
23) Vinyl Acetate	3.733	43	3005277	276.847	ug/l	100
24) 1,1-Dichloroethane	3.623	63	402810	53.522	ug/l	100
25) 2-Butanone	4.562	43	605614	268.961	ug/l	100
26) 2,2-Dichloropropane	4.489	77	303417	52.081	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	250112	53.001	ug/l	100
28) Bromochloromethane	4.909	49	188828	54.536	ug/l	100
29) Tetrahydrofuran	5.013	42	397391	273.532	ug/l	100
30) Chloroform	5.104	83	399454	52.141	ug/l	100
31) Cyclohexane	5.482	56	376396	52.159	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	349090	52.462	ug/l	100
36) 1,1-Dichloropropene	5.702	75	282151	51.926	ug/l	100
37) Ethyl Acetate	4.720	43	263866	55.103	ug/l	100
38) Carbon Tetrachloride	5.690	117	306989	52.934	ug/l	100
39) Methylcyclohexane	7.384	83	360702	53.168	ug/l	100
40) Benzene	6.043	78	851995	54.180	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047058.D
 Acq On : 21 Jul 2025 10:50
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/22/2025
 Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:38:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	150516	57.494	ug/l	100
42) 1,2-Dichloroethane	6.098	62	297385	53.686	ug/l	100
43) Isopropyl Acetate	6.348	43	438617	56.192	ug/l	100
44) Trichloroethene	7.128	130	216747	53.751	ug/l	100
45) 1,2-Dichloropropane	7.433	63	210862	53.539	ug/l	100
46) Dibromomethane	7.586	93	151672	54.916	ug/l	100
47) Bromodichloromethane	7.823	83	318771	54.225	ug/l	100
48) Methyl methacrylate	7.695	41	227033	53.391	ug/l	100
49) 1,4-Dioxane	7.659	88	53924	1114.967	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	1282299	276.384	ug/l	100
52) Toluene	8.720	92	524916	54.288	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	305568	55.044	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	337057	55.475	ug/l	100
55) 1,1,2-Trichloroethane	9.152	97	194314	53.587	ug/l	100
56) Ethyl methacrylate	9.116	69	307494	57.281	ug/l	100
57) 1,3-Dichloropropane	9.305	76	337106	53.491	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	833190	278.917	ug/l	100
59) 2-Hexanone	9.427	43	886635	289.252	ug/l	100
60) Dibromochloromethane	9.518	129	229147	53.881	ug/l	100
61) 1,2-Dibromoethane	9.610	107	204078	53.823	ug/l	100
64) Tetrachloroethene	9.274	164	174727	52.173	ug/l	100
65) Chlorobenzene	10.079	112	571696	52.530	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	194777	53.158	ug/l	100
67) Ethyl Benzene	10.195	91	1023986	53.812	ug/l	100
68) m/p-Xylenes	10.299	106	759689	106.683	ug/l	100
69) o-Xylene	10.640	106	364689	53.834	ug/l	100
70) Styrene	10.652	104	632474	54.447	ug/l	100
71) Bromoform	10.798	173	150938	54.228	ug/l	100
73) Isopropylbenzene	10.963	105	964411	54.621	ug/l	100
74) N-amyl acetate	10.841	43	399297	56.697	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	270685	53.670	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	221713m	53.523	ug/l	
77) Bromobenzene	11.195	156	227531	53.727	ug/l	100
78) n-propylbenzene	11.304	91	1145472	54.290	ug/l	100
79) 2-Chlorotoluene	11.359	91	677779	53.739	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	788518	54.057	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	87538	54.445	ug/l	100
82) 4-Chlorotoluene	11.451	91	798628	54.249	ug/l	100
83) tert-Butylbenzene	11.713	119	802592	54.819	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	800479	55.018	ug/l	100
85) sec-Butylbenzene	11.890	105	984328	53.809	ug/l	100
86) p-Isopropyltoluene	12.006	119	829044	54.651	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	427108	53.079	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	423743	51.978	ug/l	100
89) n-Butylbenzene	12.329	91	773506	54.372	ug/l	100
90) Hexachloroethane	12.536	117	146577	54.011	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	408192	53.076	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	53563	55.328	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	274012	53.926	ug/l	100
94) Hexachlorobutadiene	13.725	225	90816	52.553	ug/l	100
95) Naphthalene	13.774	128	839990	56.390	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	262282	53.580	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

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

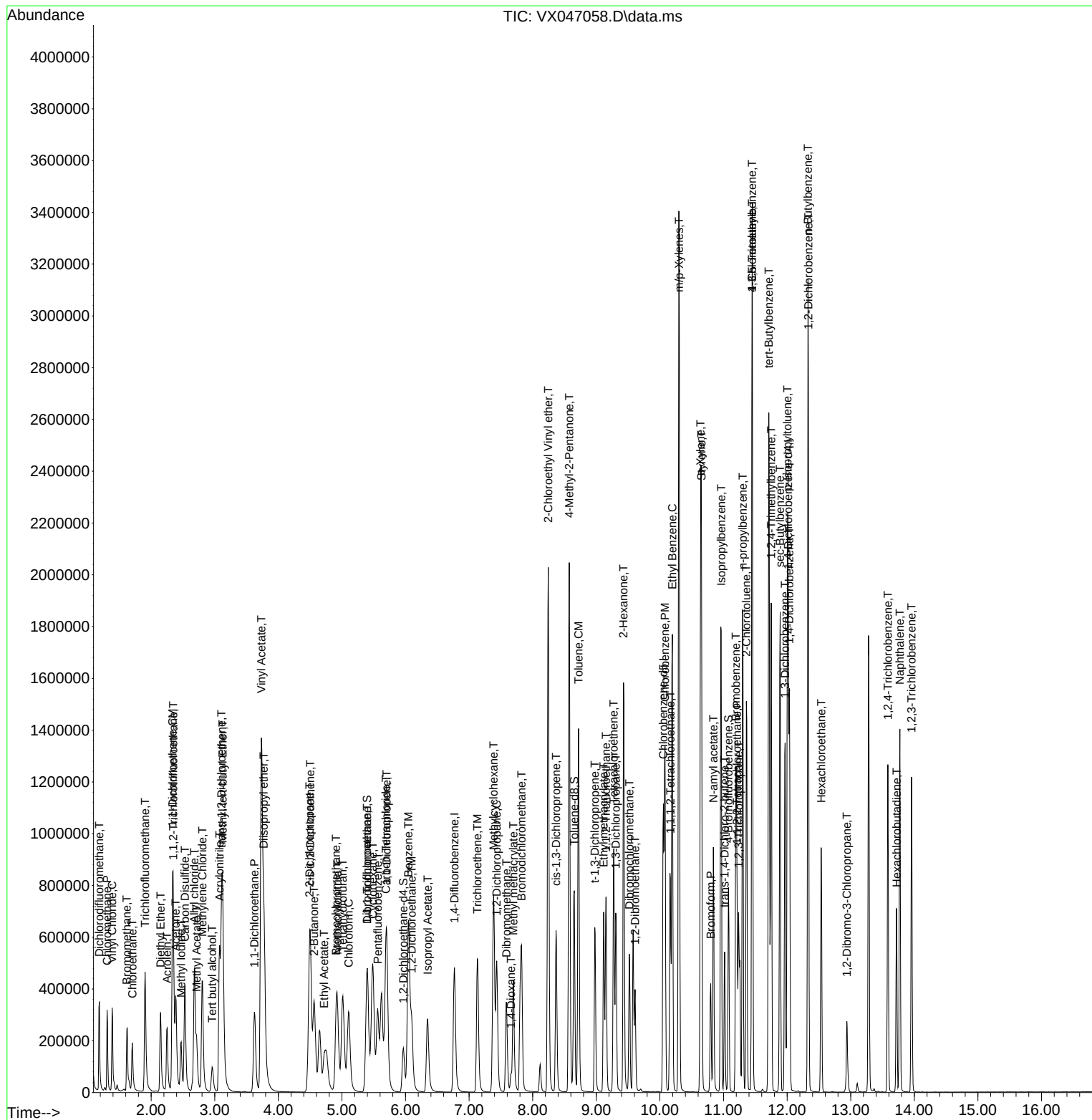
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\  
Data File : VX047058.D  
Acq On    : 21 Jul 2025  10:50  
Operator  : JC/MD  
Sample    : VSTDICCC050  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 6      Sample Multiplier: 1
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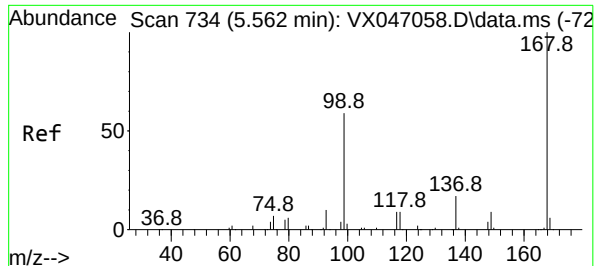
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration





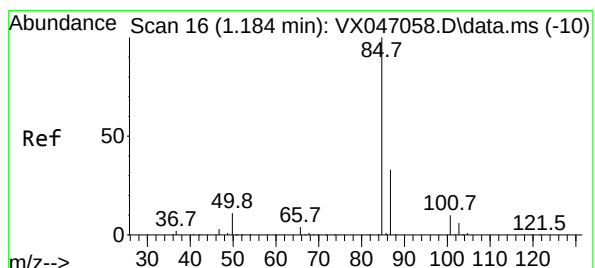
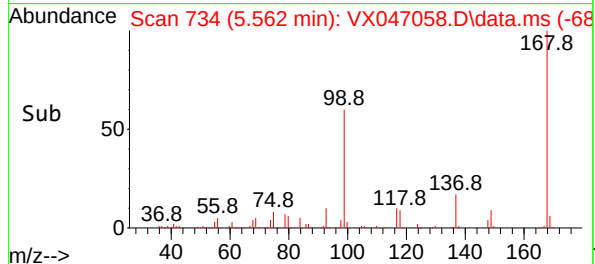
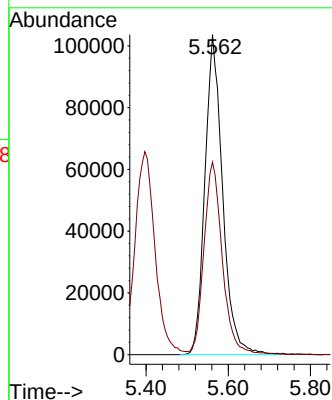
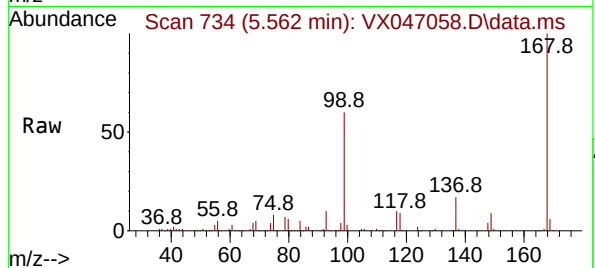
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 309883
Ion Ratio Lower Upper
168 100
99 60.0 48.0 72.0

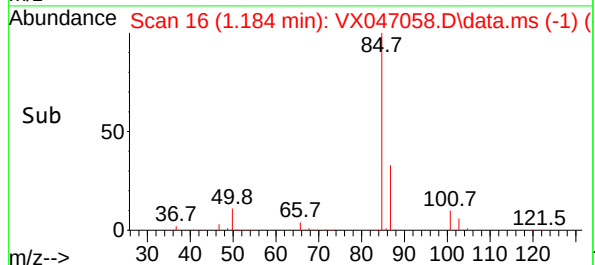
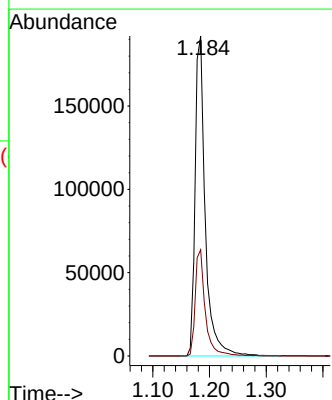
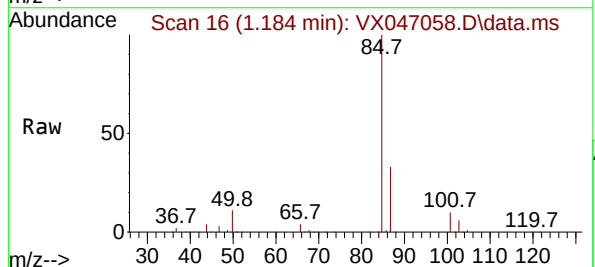
Manual Integrations
APPROVED

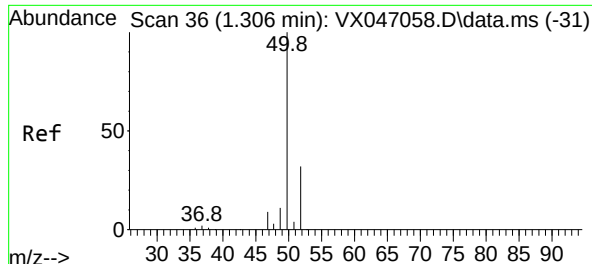
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#2
Dichlorodifluoromethane
Concen: 57.844 ug/l
RT: 1.184 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

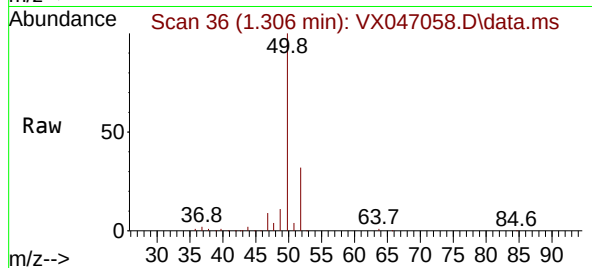
Tgt Ion: 85 Resp: 238090
Ion Ratio Lower Upper
85 100
87 33.2 16.6 49.8





#3
Chloromethane
Concen: 53.219 ug/l
RT: 1.306 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

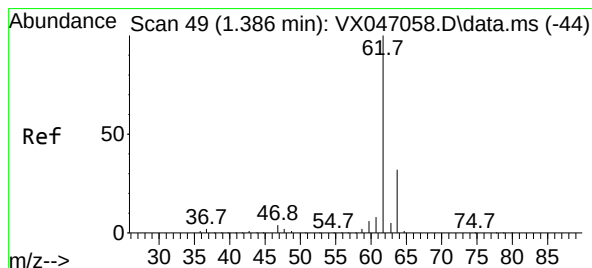
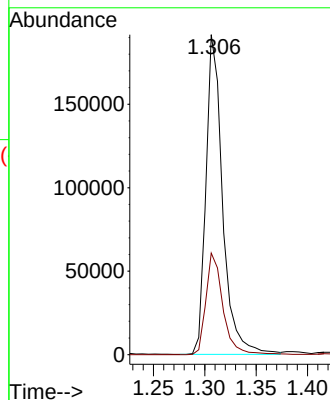
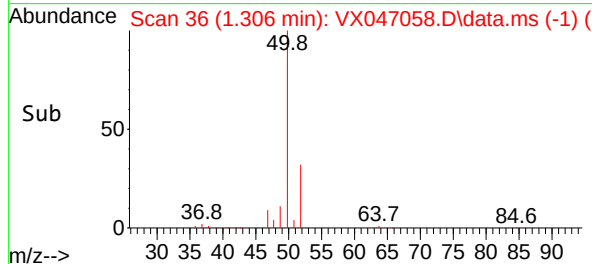
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 50 Resp: 21668
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.2

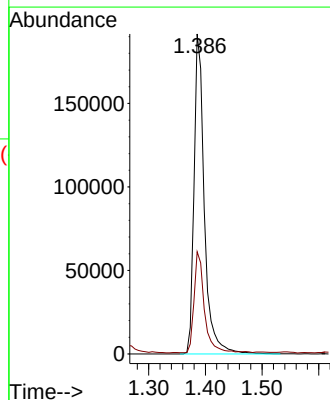
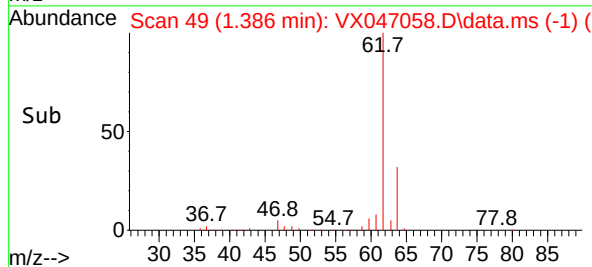
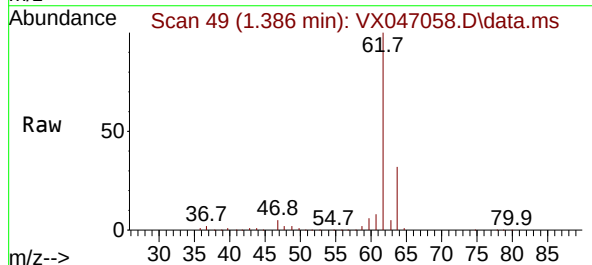
Manual Integrations
APPROVED

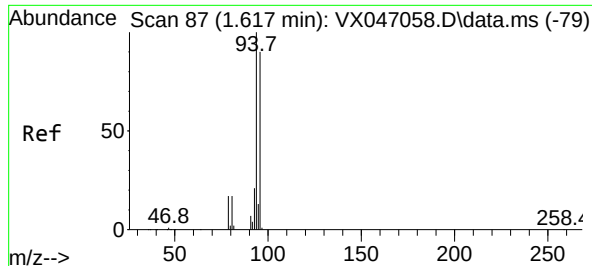
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#4
Vinyl Chloride
Concen: 55.216 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

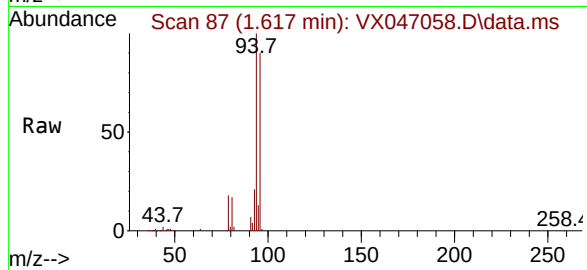
Tgt Ion: 62 Resp: 241663
Ion Ratio Lower Upper
62 100
64 31.5 25.2 37.8





#5
Bromomethane
Concen: 58.354 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

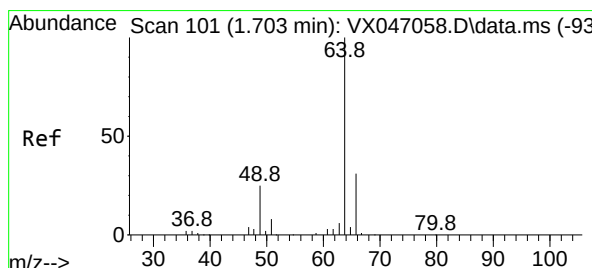
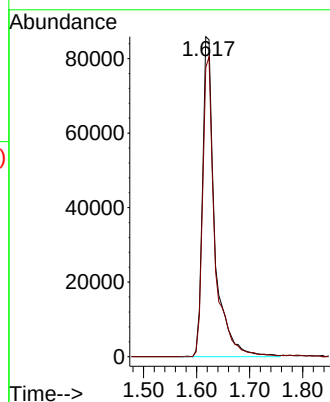
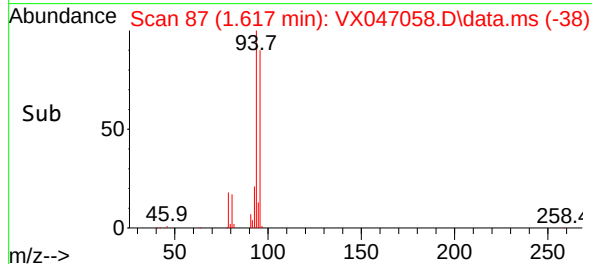
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 94 Resp: 138734
Ion Ratio Lower Upper
94 100
96 90.4 72.3 108.5

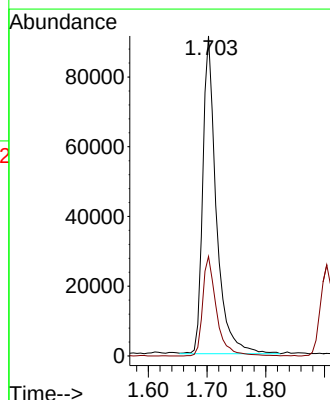
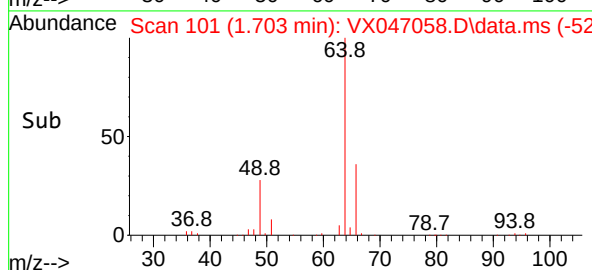
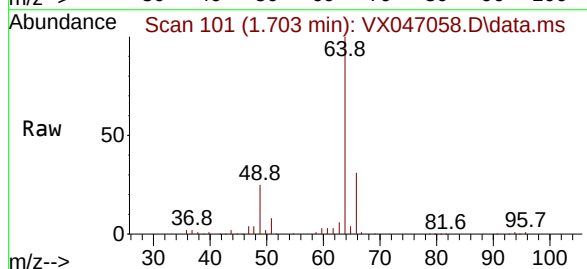
Manual Integrations
APPROVED

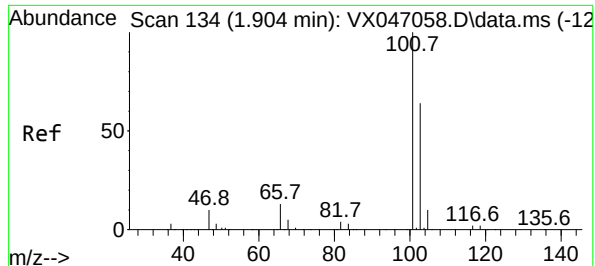
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#6
Chloroethane
Concen: 50.714 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

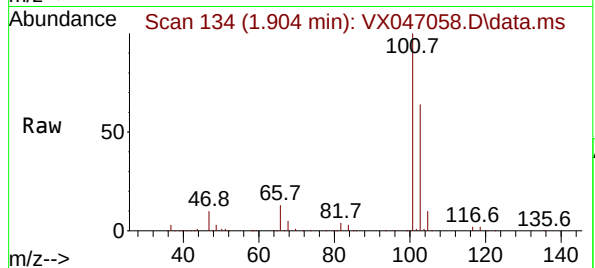
Tgt Ion: 64 Resp: 145779
Ion Ratio Lower Upper
64 100
66 31.3 25.0 37.6





#7
Trichlorofluoromethane
Concen: 54.994 ug/l
RT: 1.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

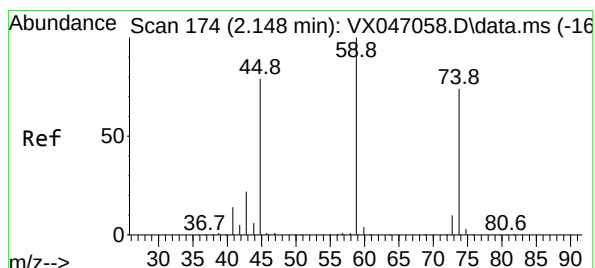
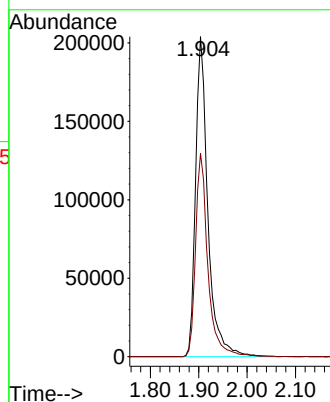
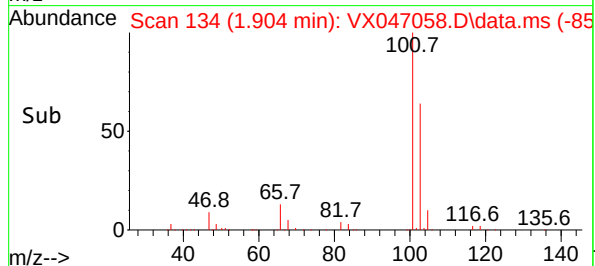
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 358904
Ion Ratio Lower Upper
101 100
103 63.6 50.9 76.3

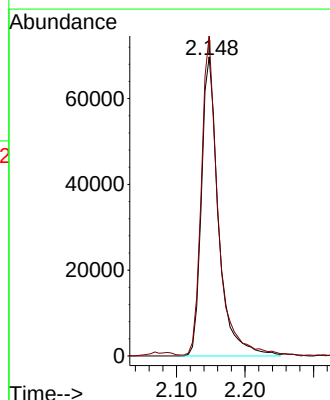
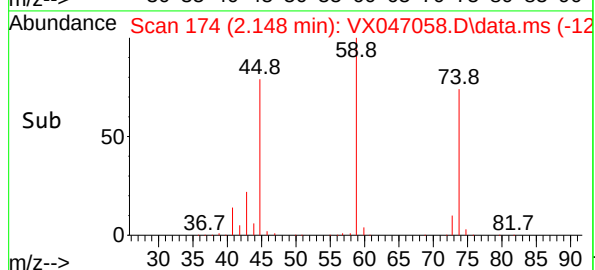
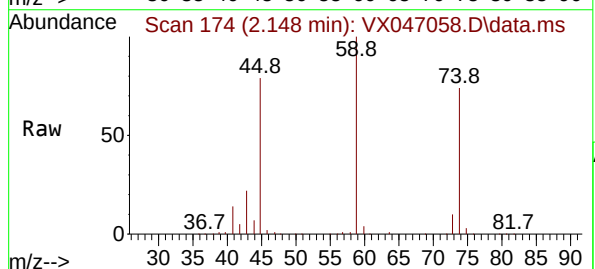
Manual Integrations
APPROVED

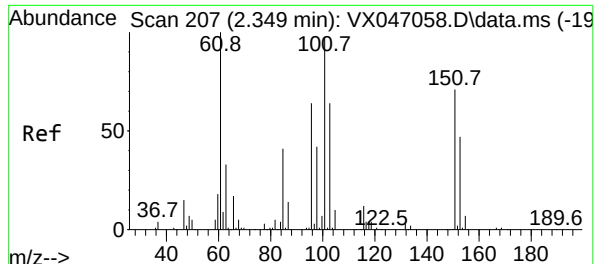
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#8
Diethyl Ether
Concen: 52.535 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 74 Resp: 120887
Ion Ratio Lower Upper
74 100
45 106.0 53.0 159.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.194 ug/l

RT: 2.349 min Scan# 207

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 20915

Ion Ratio Lower Upper

101 100

85 44.2 35.4 53.0

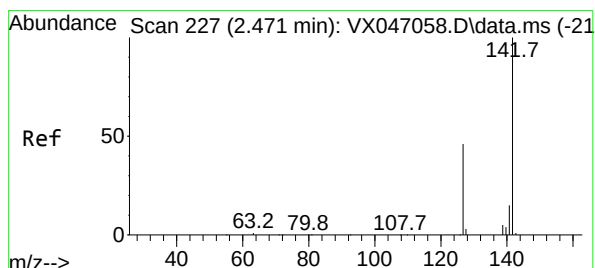
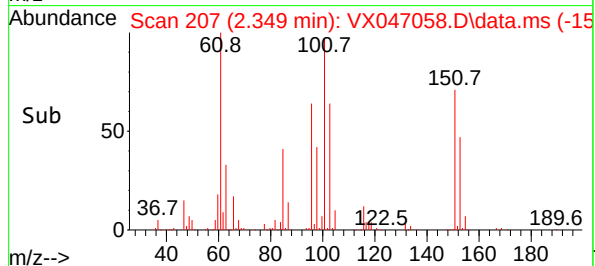
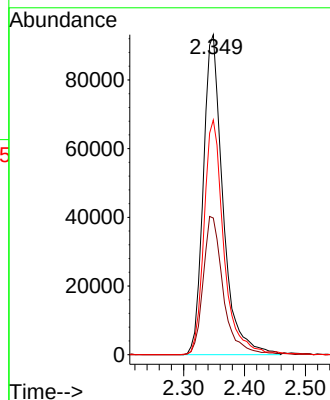
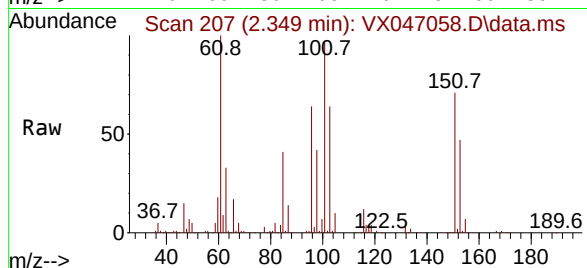
151 74.0 59.2 88.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#10

Methyl Iodide

Concen: 56.237 ug/l

RT: 2.471 min Scan# 227

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

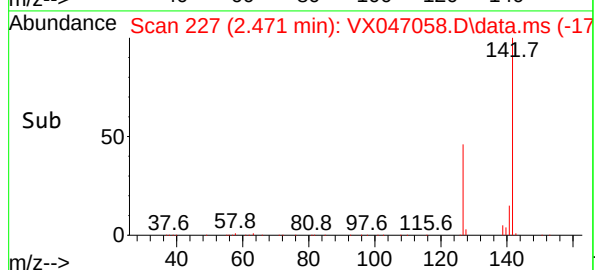
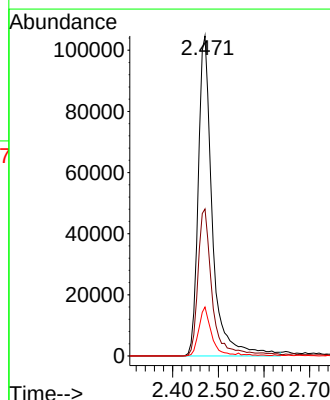
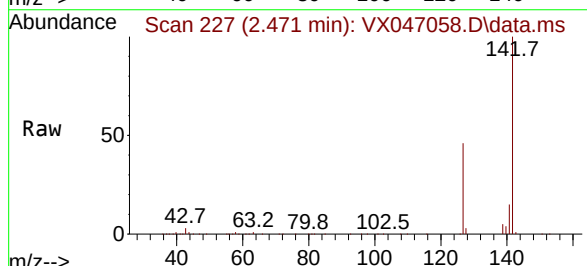
Tgt Ion:142 Resp: 225356

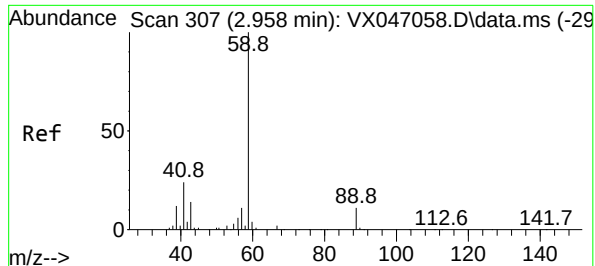
Ion Ratio Lower Upper

142 100

127 45.7 36.6 54.8

141 13.6 10.9 16.3





#11

Tert butyl alcohol

Concen: 251.629 ug/l

RT: 2.958 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 11351

Ion Ratio Lower Upper

59 100

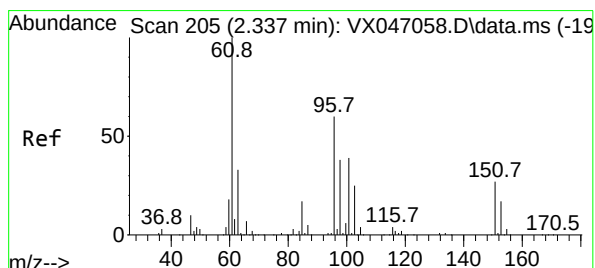
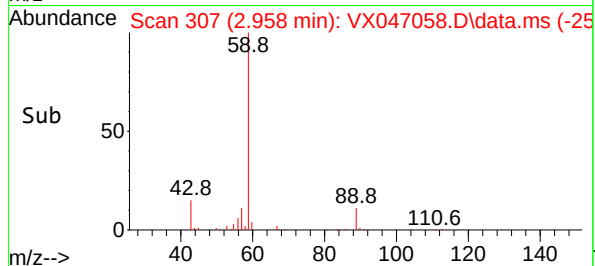
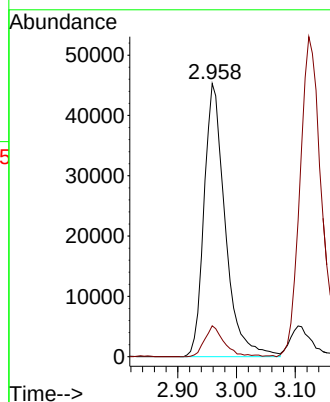
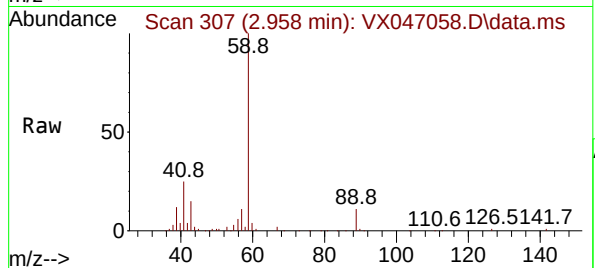
57 10.6 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#12

1,1-Dichloroethene

Concen: 53.640 ug/l

RT: 2.337 min Scan# 205

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

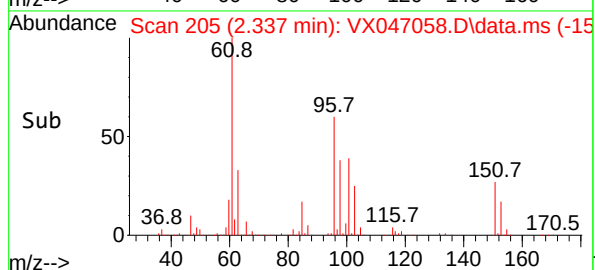
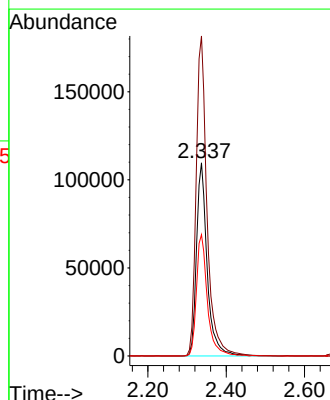
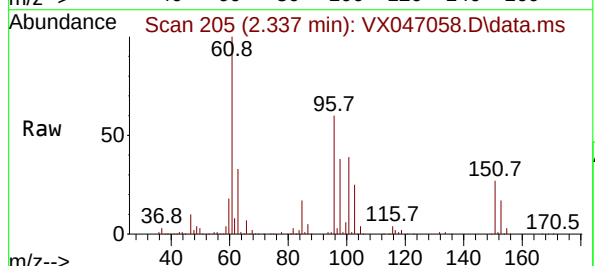
Tgt Ion: 96 Resp: 208894

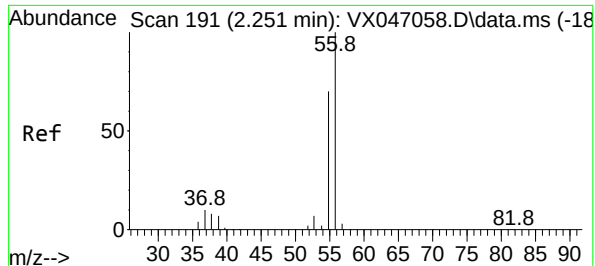
Ion Ratio Lower Upper

96 100

61 165.7 132.6 198.8

98 62.8 50.2 75.4





#13

Acrolein

Concen: 258.372 ug/l

RT: 2.251 min Scan# 191

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 214749

Ion Ratio Lower Upper

56 100

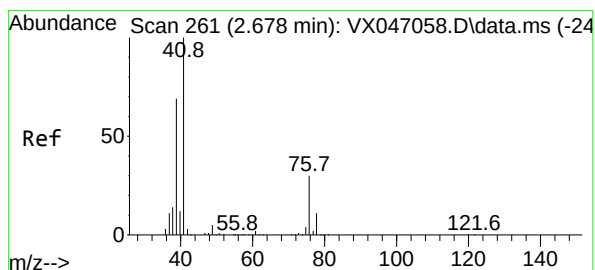
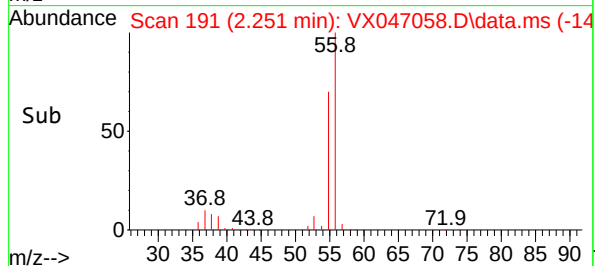
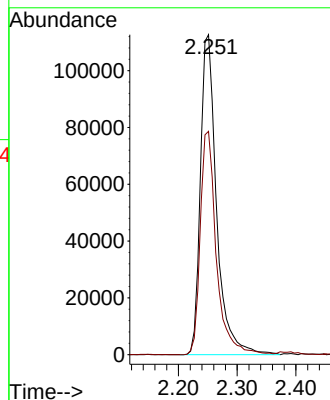
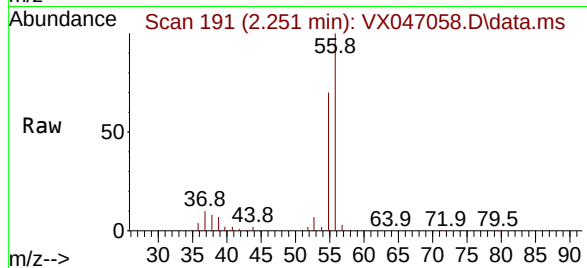
55 69.6 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#14

Allyl chloride

Concen: 54.528 ug/l

RT: 2.678 min Scan# 261

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

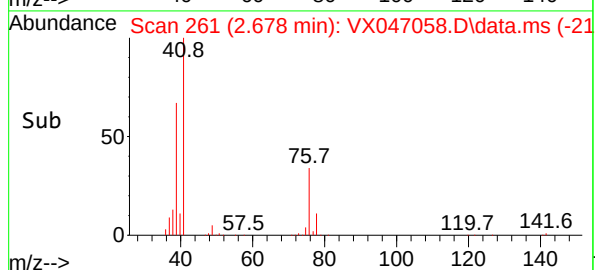
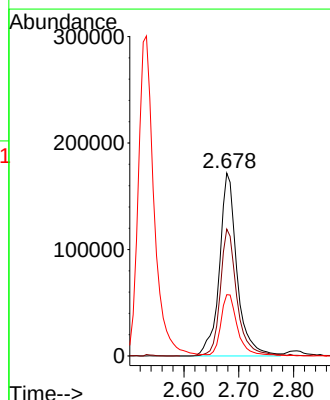
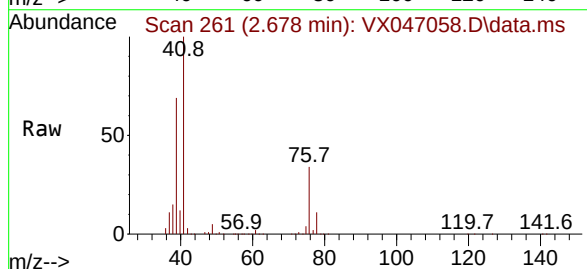
Tgt Ion: 41 Resp: 383854

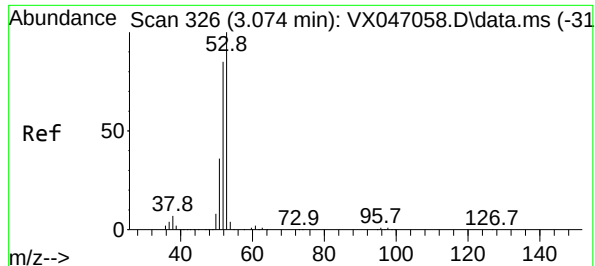
Ion Ratio Lower Upper

41 100

39 65.7 52.6 78.8

76 32.1 25.7 38.5





#15

Acrylonitrile

Concen: 277.051 ug/l

RT: 3.074 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 510050

Ion Ratio Lower Upper

53 100

52 82.1 65.7 98.5

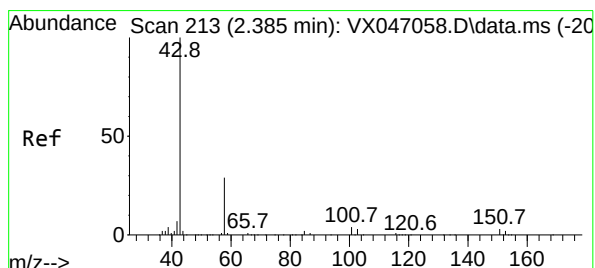
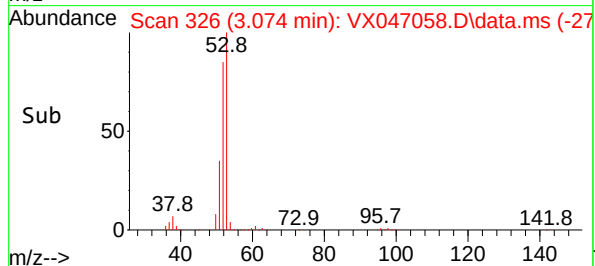
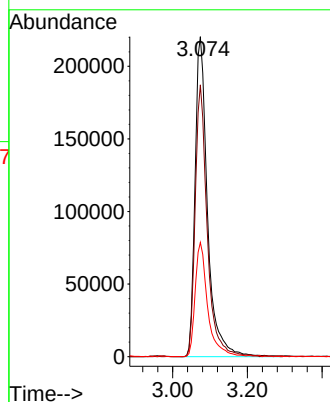
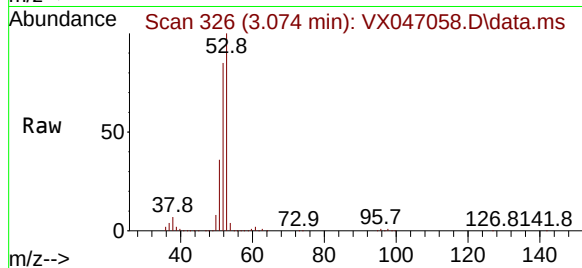
51 36.0 28.8 43.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#16

Acetone

Concen: 252.239 ug/l

RT: 2.385 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX047058.D

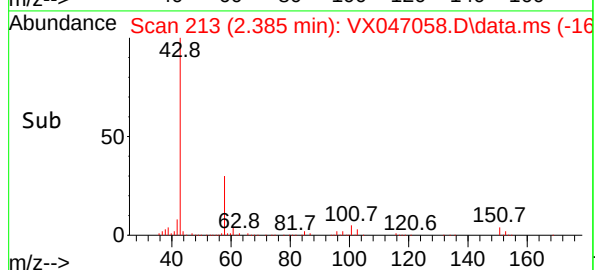
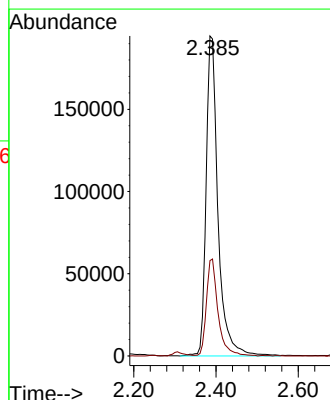
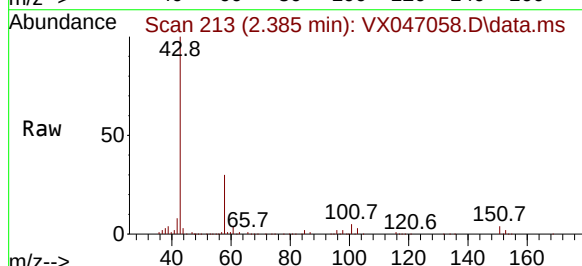
Acq: 21 Jul 2025 10:50

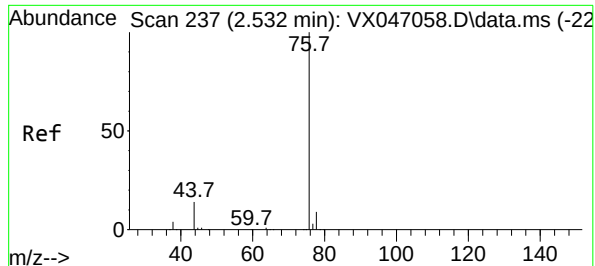
Tgt Ion: 43 Resp: 390060

Ion Ratio Lower Upper

43 100

58 30.0 24.0 36.0





#17

Carbon Disulfide

Concen: 53.261 ug/l

RT: 2.532 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 600045

Ion Ratio Lower Upper

76 100

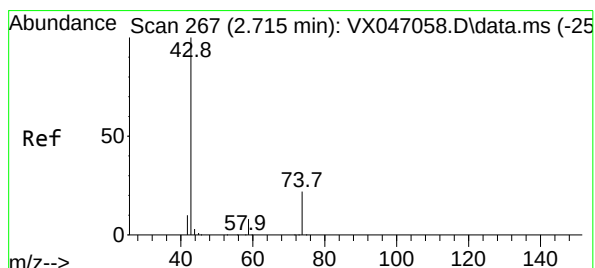
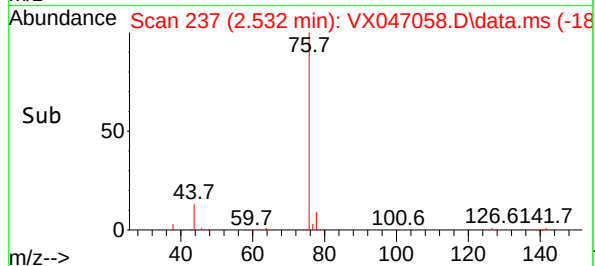
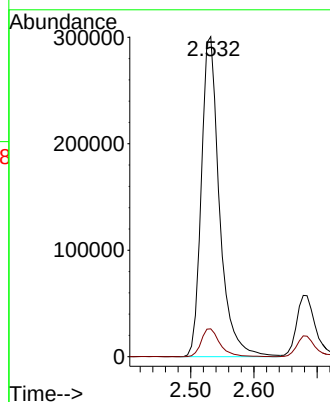
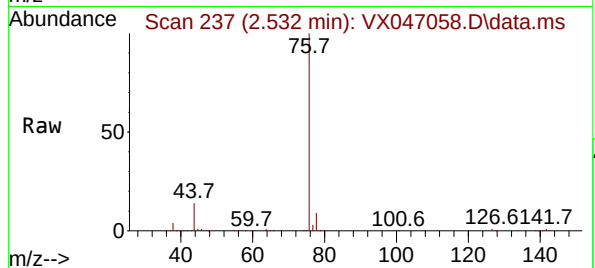
78 8.7 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#18

Methyl Acetate

Concen: 51.848 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.000 min

Lab File: VX047058.D

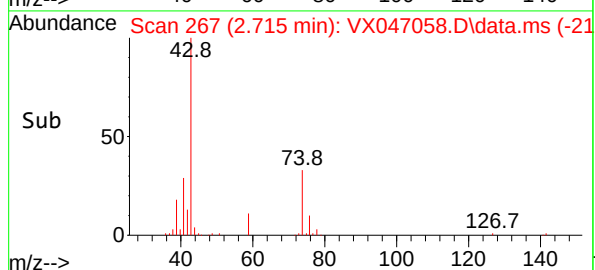
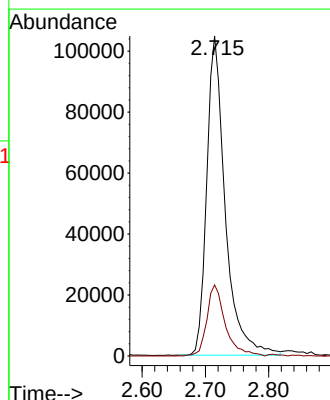
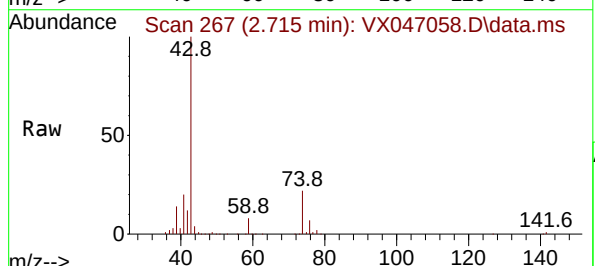
Acq: 21 Jul 2025 10:50

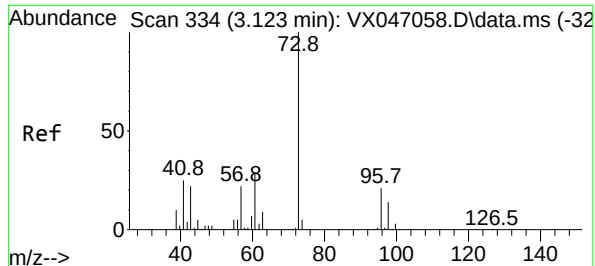
Tgt Ion: 43 Resp: 213070

Ion Ratio Lower Upper

43 100

74 22.1 17.7 26.5





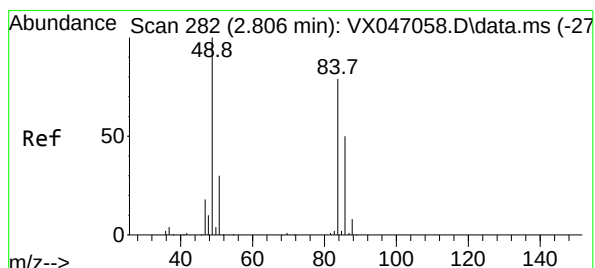
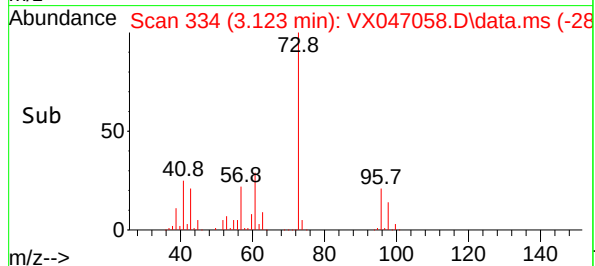
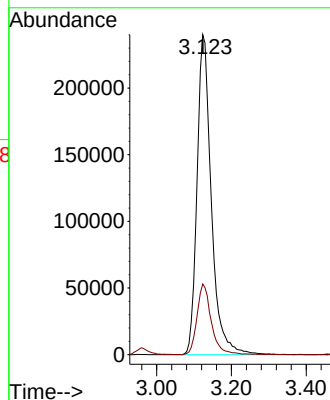
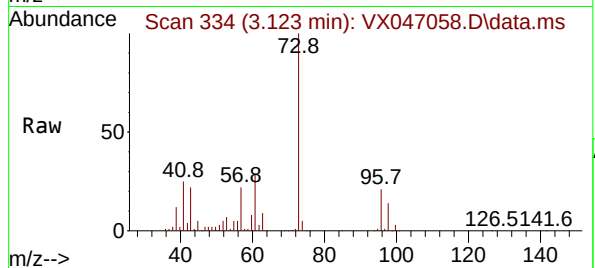
#19
Methyl tert-butyl Ether
Concen: 53.721 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 636699
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5

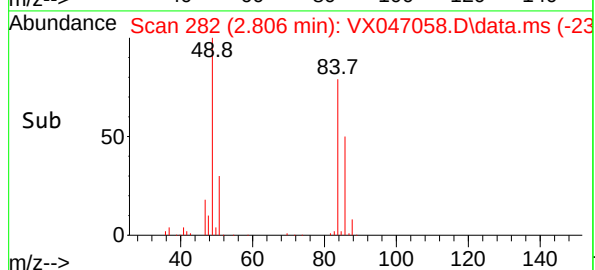
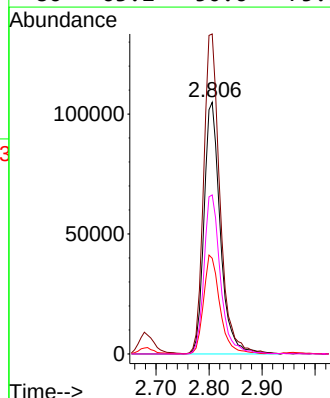
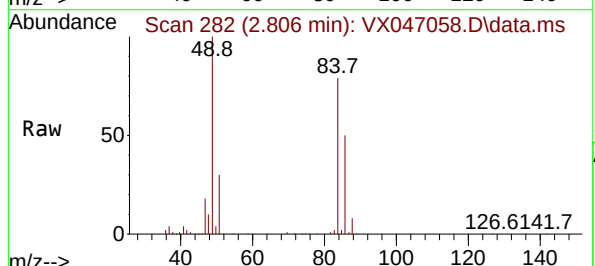
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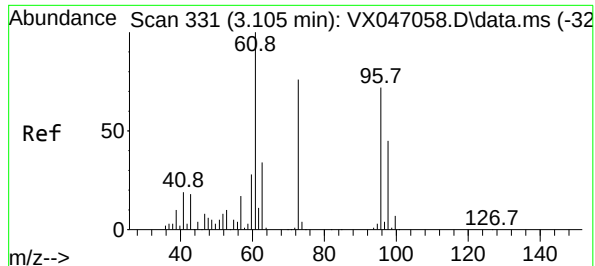
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#20
Methylene Chloride
Concen: 52.585 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

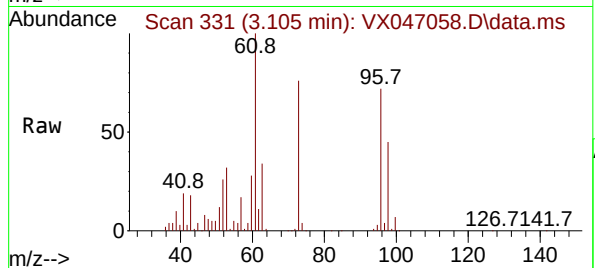
Tgt Ion: 84 Resp: 223713
Ion Ratio Lower Upper
84 100
49 127.0 101.6 152.4
51 37.9 30.3 45.5
86 63.2 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 54.049 ug/l
RT: 3.105 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

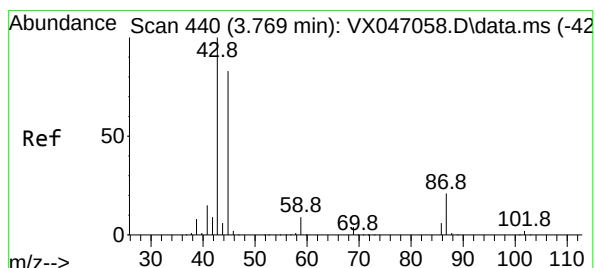
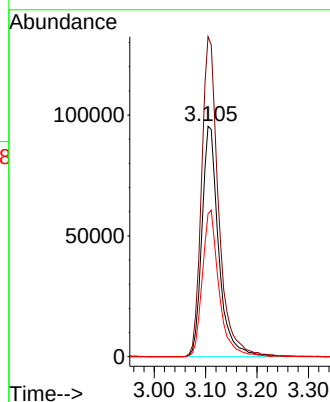
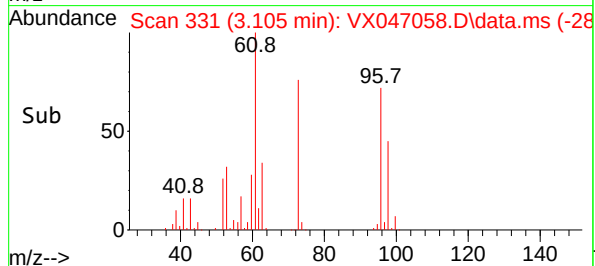
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 215393
Ion Ratio Lower Upper
96 100
61 138.9 111.1 166.7
98 62.0 49.6 74.4

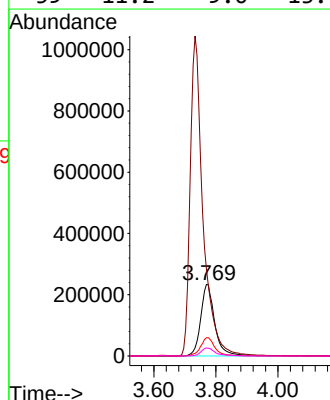
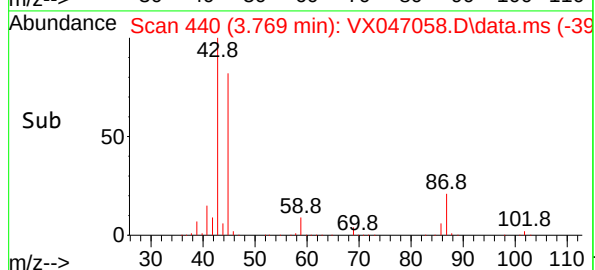
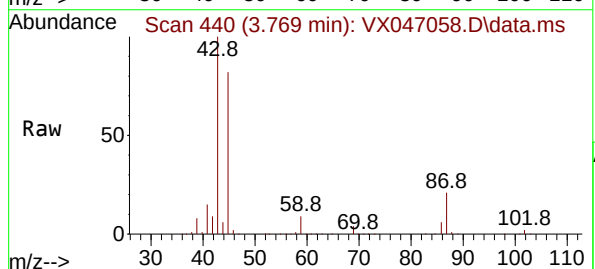
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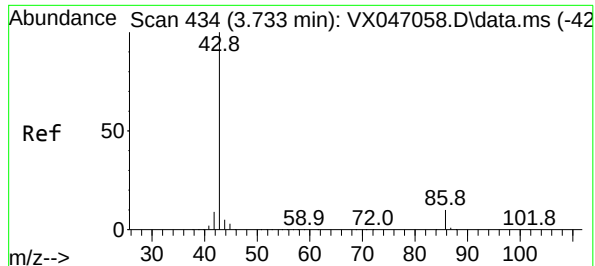
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#22
Diisopropyl ether
Concen: 54.083 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 45 Resp: 731970
Ion Ratio Lower Upper
45 100
43 121.0 96.8 145.2
87 25.6 20.5 30.7
59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 276.847 ug/l

RT: 3.733 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 300527

Ion Ratio Lower Upper

43 100

86 10.1

8.1

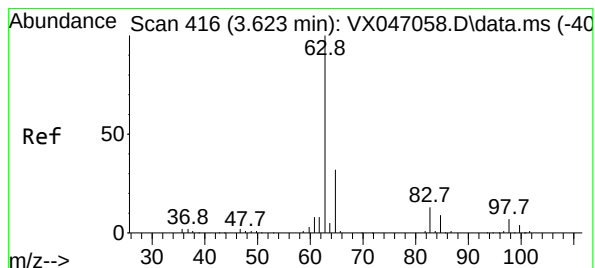
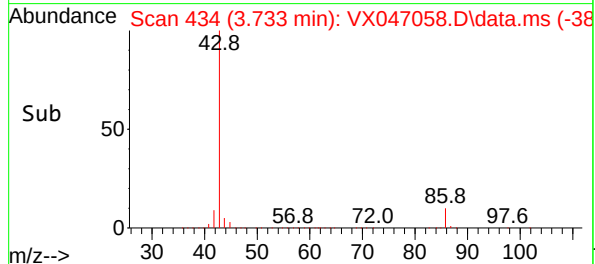
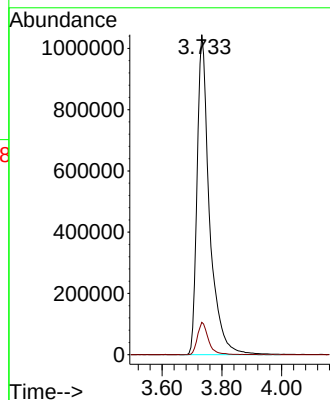
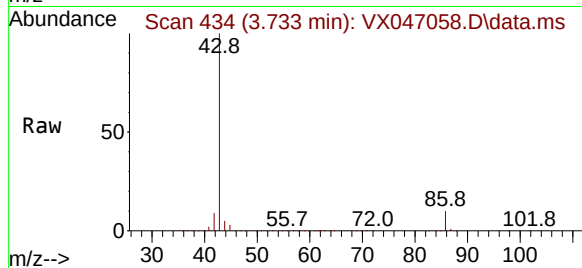
12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#24

1,1-Dichloroethane

Concen: 53.522 ug/l

RT: 3.623 min Scan# 416

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Tgt Ion: 63 Resp: 402810

Ion Ratio Lower Upper

63 100

98 7.2

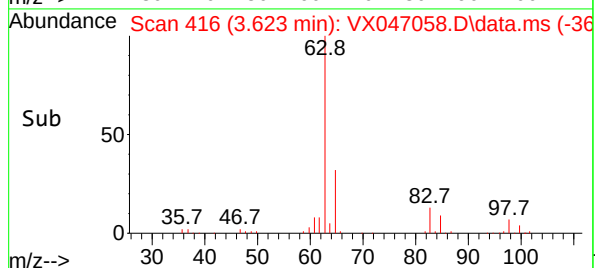
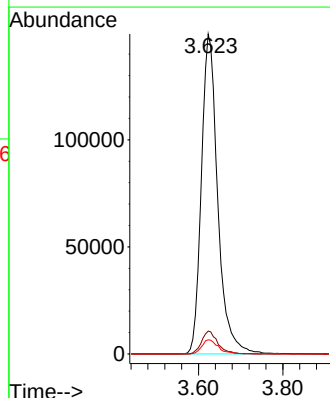
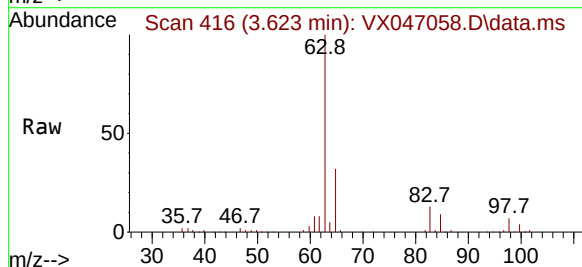
3.6

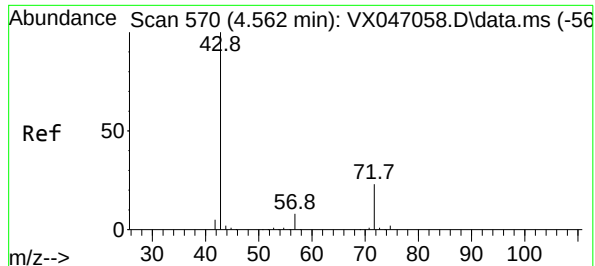
10.8

100 4.5

2.3

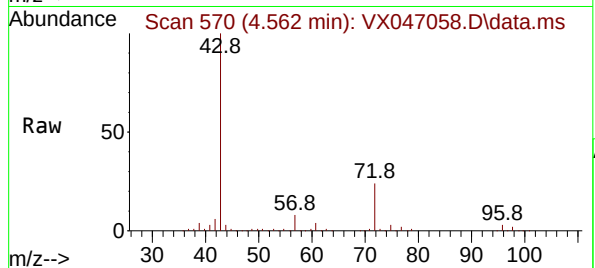
6.8





#25
2-Butanone
Concen: 268.961 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

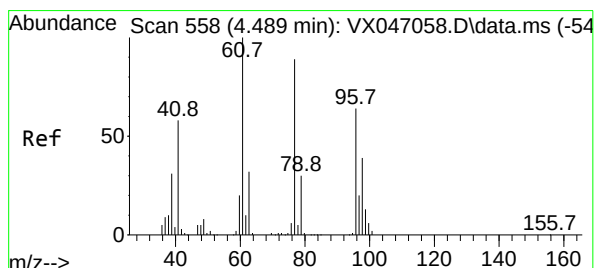
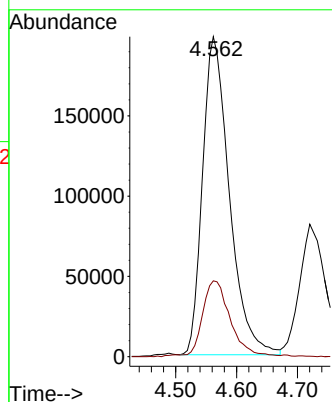
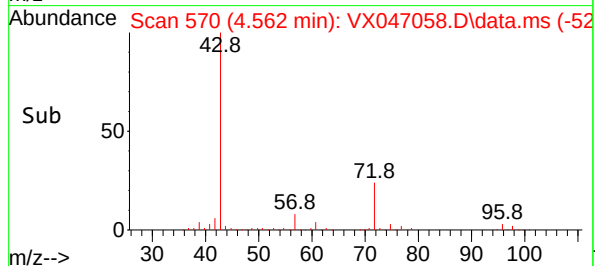
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 605614
Ion Ratio Lower Upper
43 100
72 23.5 18.8 28.2

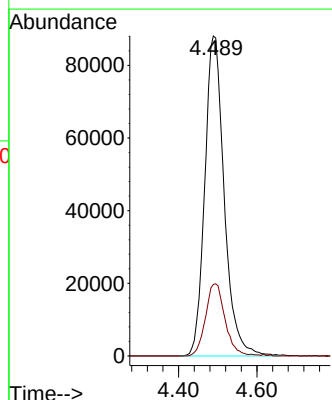
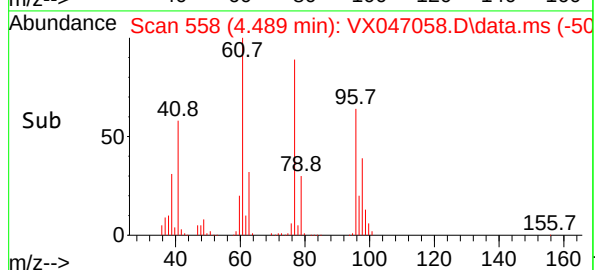
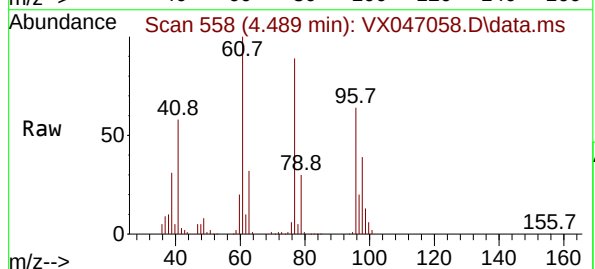
Manual Integrations
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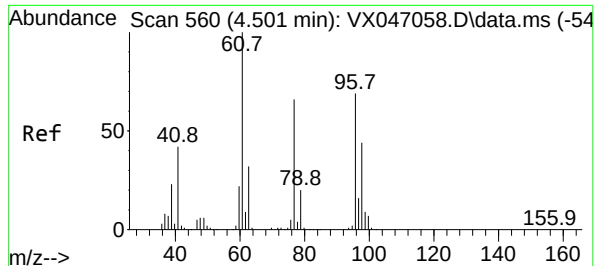
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#26
2,2-Dichloropropane
Concen: 52.081 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 77 Resp: 303417
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 53.001 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 25011

Ion Ratio Lower Upper

96 100

61 149.3 0.0 298.6

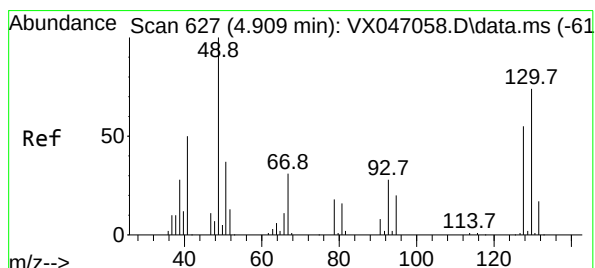
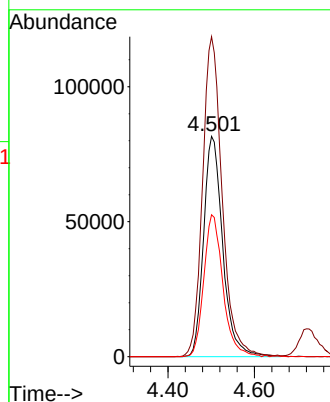
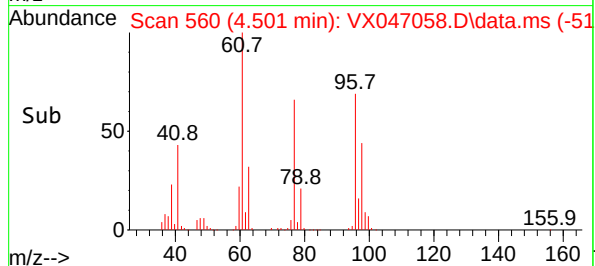
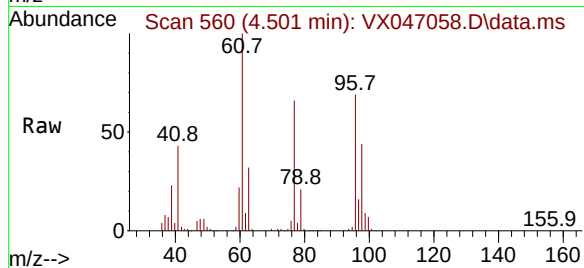
98 64.4 0.0 128.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#28

Bromochloromethane

Concen: 54.536 ug/l

RT: 4.909 min Scan# 627

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

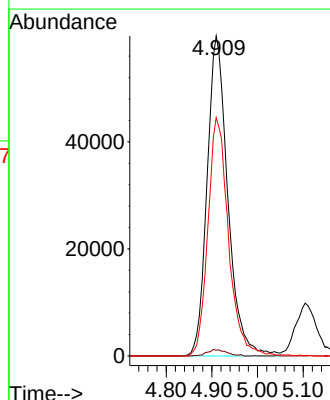
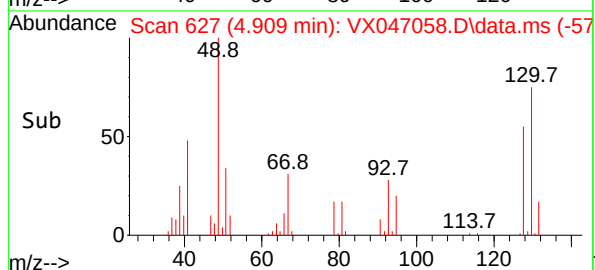
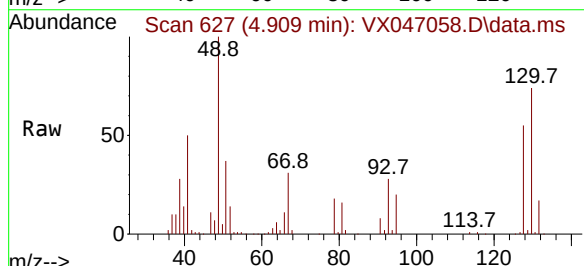
Tgt Ion: 49 Resp: 188828

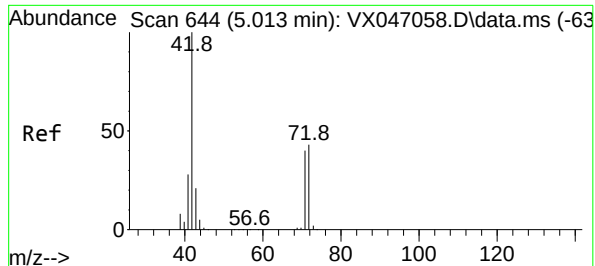
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 73.7 59.0 88.4





#29

Tetrahydrofuran

Concen: 273.532 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 39739

Ion Ratio Lower Upper

42 100

72 42.1 33.7 50.5

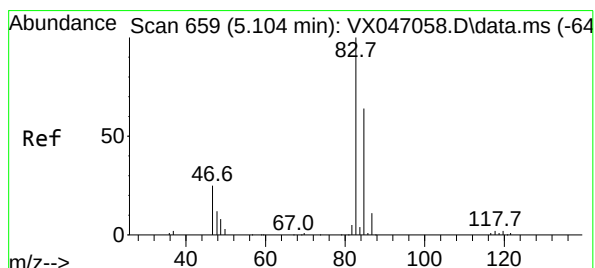
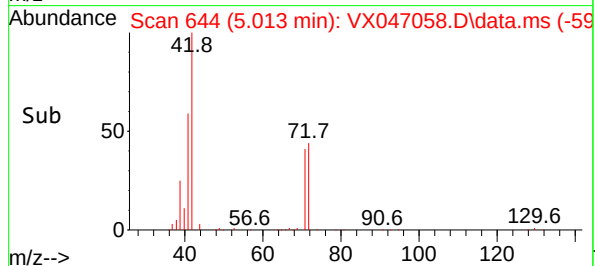
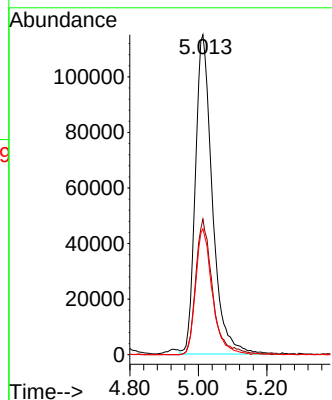
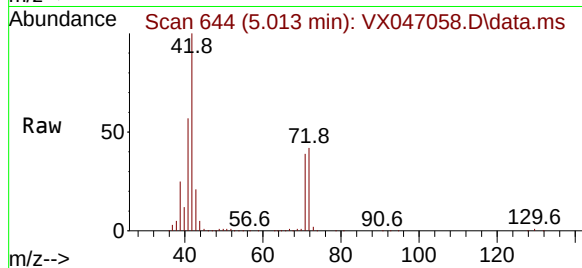
71 38.7 31.0 46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#30

Chloroform

Concen: 52.141 ug/l

RT: 5.104 min Scan# 659

Delta R.T. 0.000 min

Lab File: VX047058.D

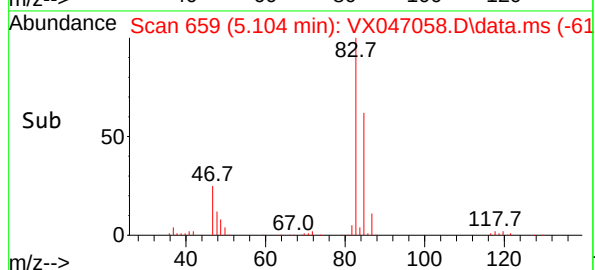
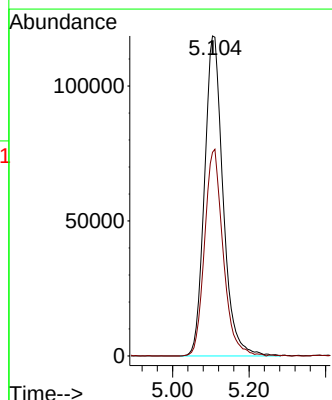
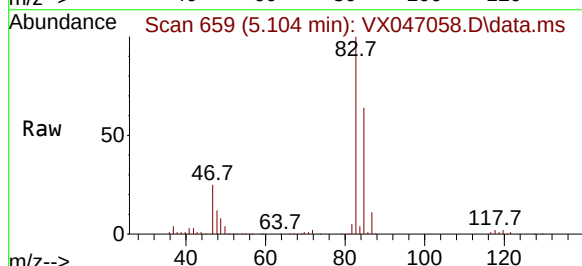
Acq: 21 Jul 2025 10:50

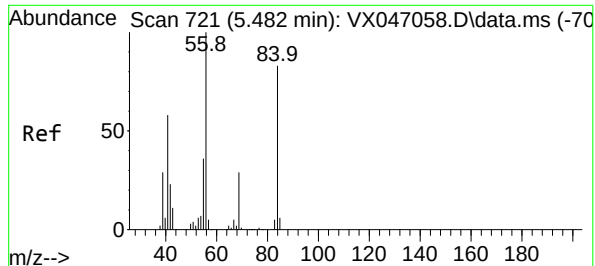
Tgt Ion: 83 Resp: 399454

Ion Ratio Lower Upper

83 100

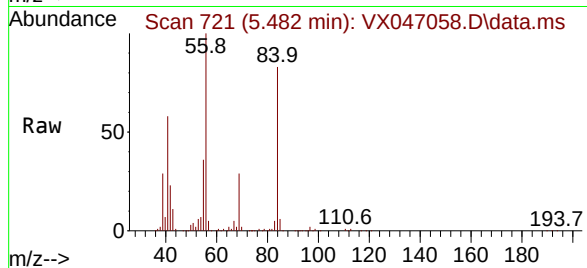
85 63.6 50.9 76.3





#31
Cyclohexane
Concen: 52.159 ug/l
RT: 5.482 min Scan# 721
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

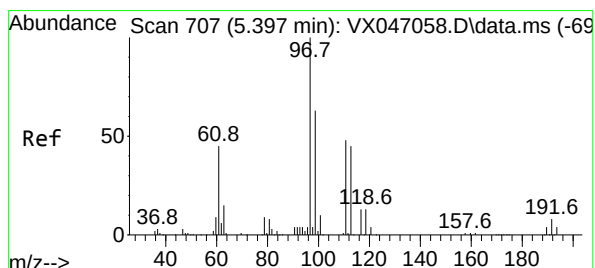
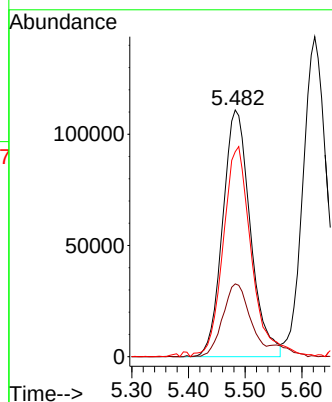
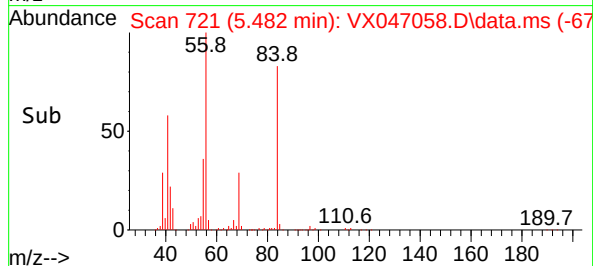
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 56 Resp: 376390
Ion Ratio Lower Upper
56 100
69 29.1 23.3 34.9
84 83.1 66.5 99.7

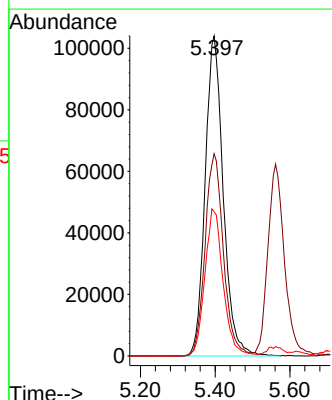
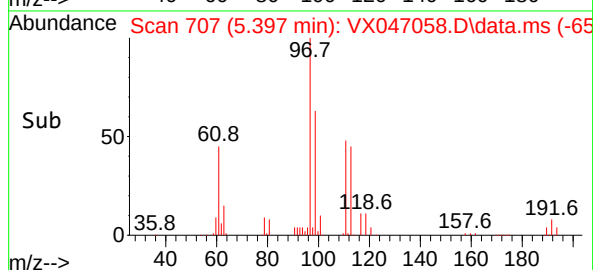
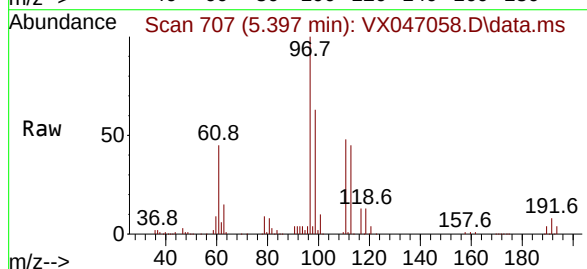
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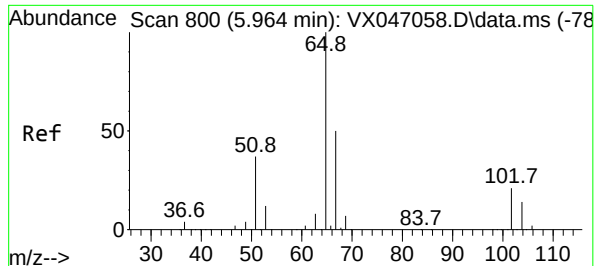
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#32
1,1,1-Trichloroethane
Concen: 52.462 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 97 Resp: 349090
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 46.4 37.1 55.7





#33

1,2-Dichloroethane-d4

Concen: 46.193 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 17831

Ion Ratio Lower Upper

65 100

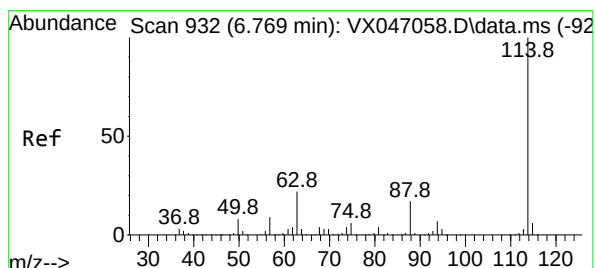
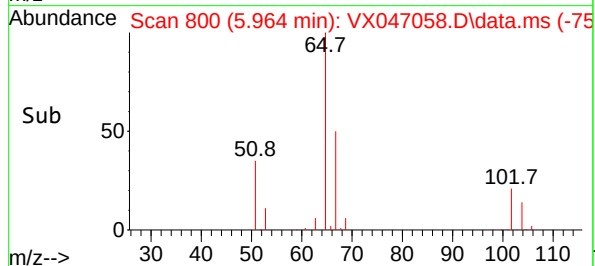
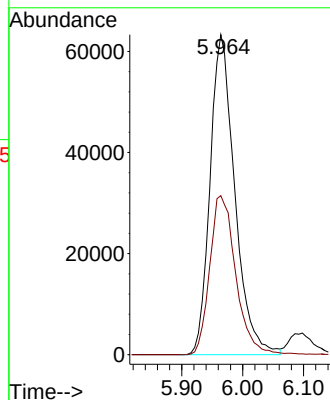
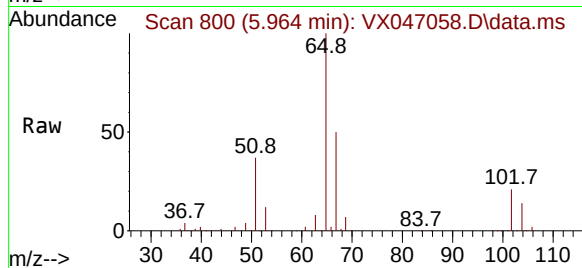
67 52.4 0.0 104.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

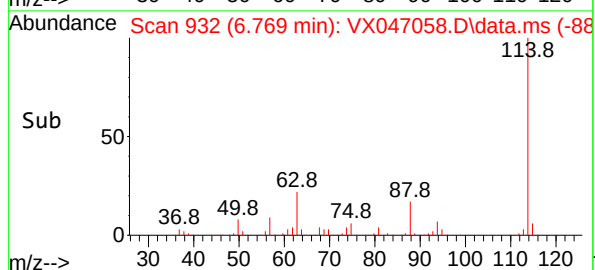
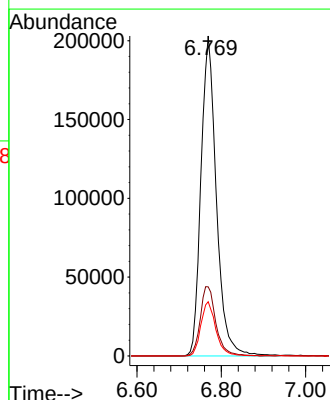
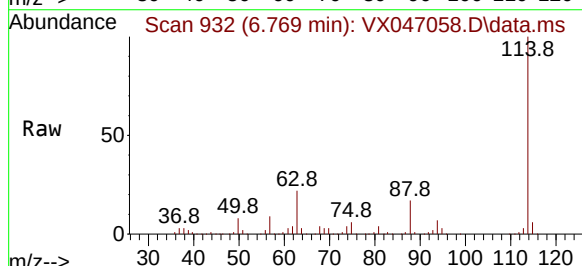
Tgt Ion:114 Resp: 516282

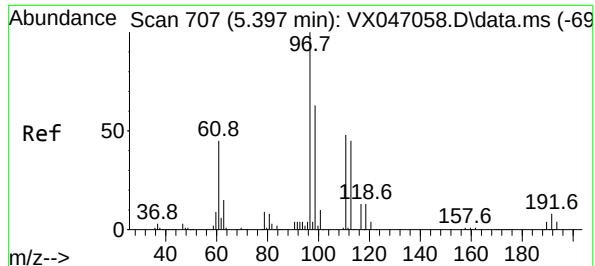
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 47.918 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 15274

Ion Ratio Lower Upper

113 100

111 103.3 82.6 124.0

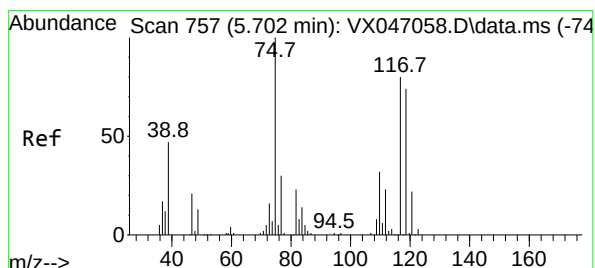
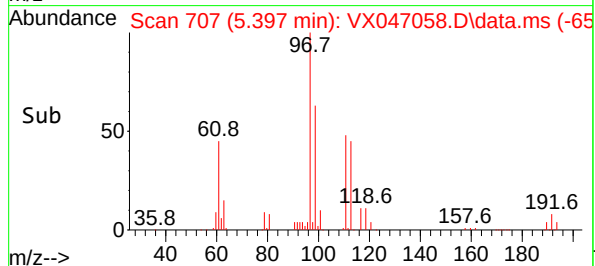
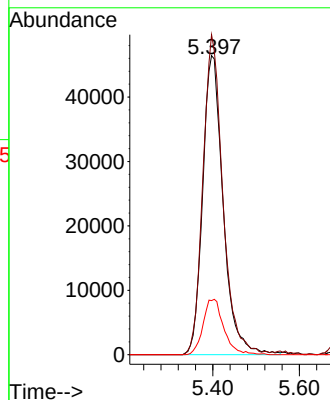
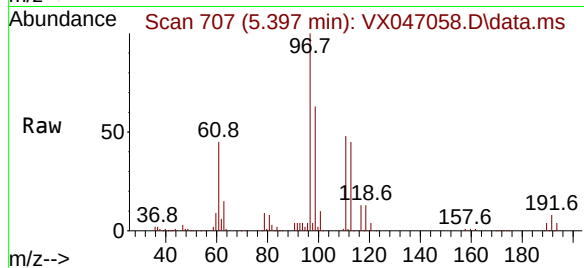
192 18.6 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#36

1,1-Dichloropropene

Concen: 51.926 ug/l

RT: 5.702 min Scan# 757

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

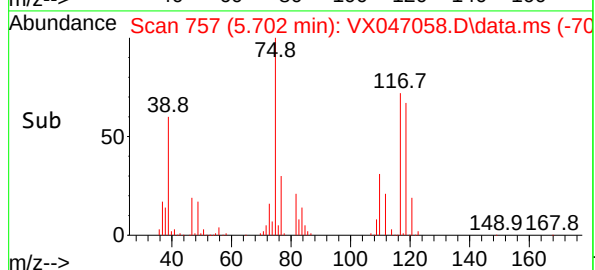
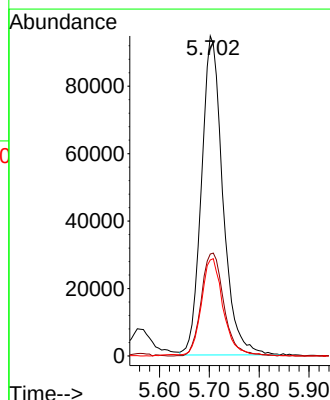
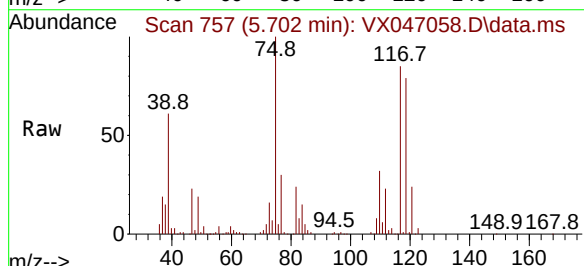
Tgt Ion: 75 Resp: 282151

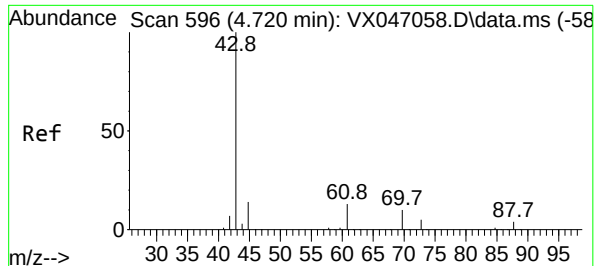
Ion Ratio Lower Upper

75 100

110 34.3 17.2 51.5

77 31.4 25.1 37.7





#37

Ethyl Acetate

Concen: 55.103 ug/l

RT: 4.720 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 26386

Ion Ratio Lower Upper

43 100

61 12.7 10.2 15.2

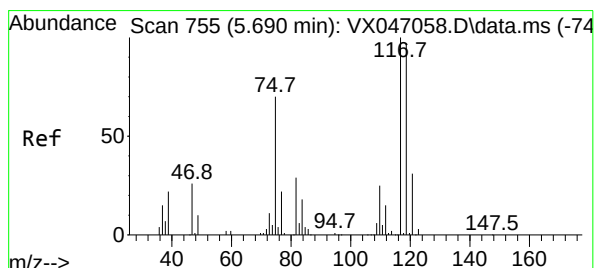
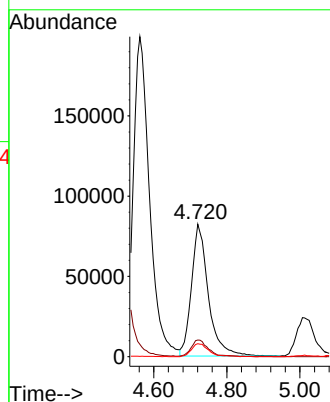
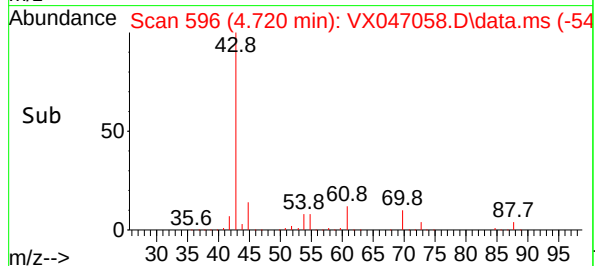
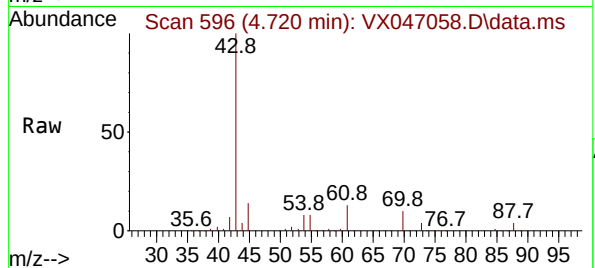
70 10.1 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#38

Carbon Tetrachloride

Concen: 52.934 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

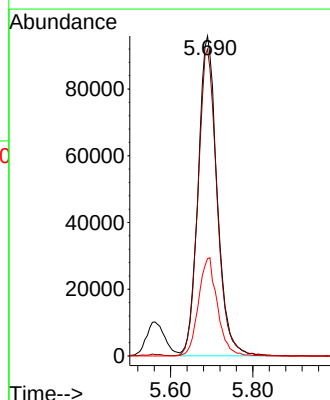
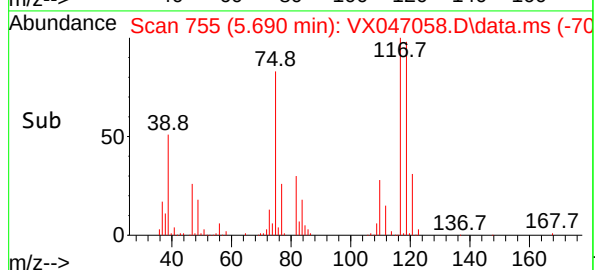
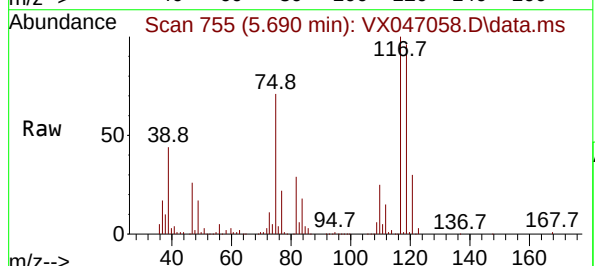
Tgt Ion:117 Resp: 306989

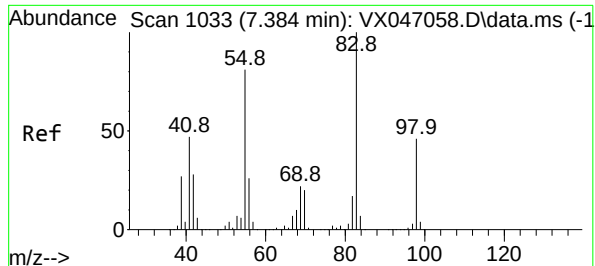
Ion Ratio Lower Upper

117 100

119 95.8 76.6 115.0

121 30.5 24.4 36.6





#39

Methylcyclohexane

Concen: 53.168 ug/l

RT: 7.384 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 360702

Ion Ratio Lower Upper

83 100

55 80.6 64.5 96.7

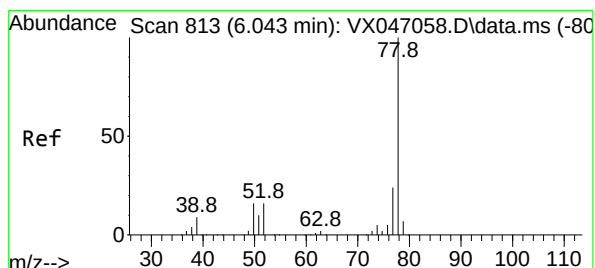
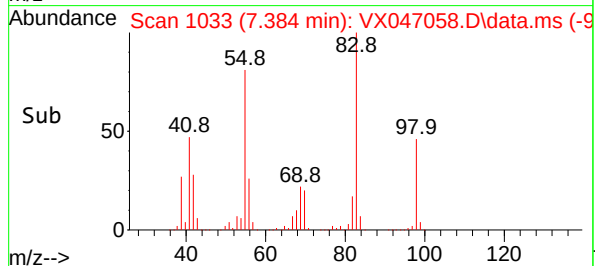
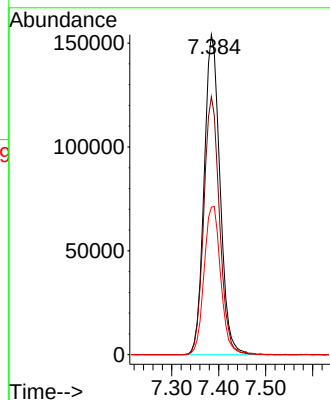
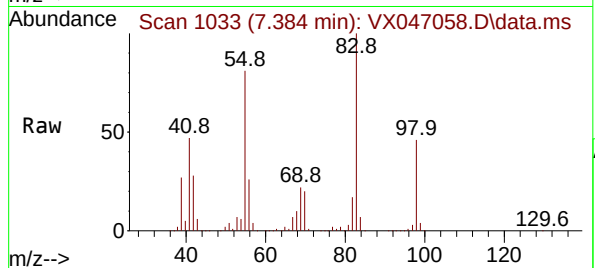
98 46.1 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#40

Benzene

Concen: 54.180 ug/l

RT: 6.043 min Scan# 813

Delta R.T. 0.000 min

Lab File: VX047058.D

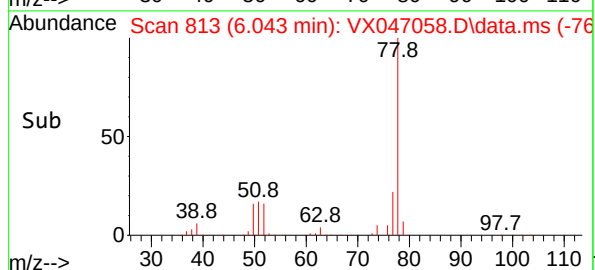
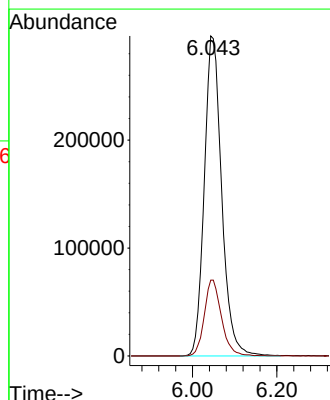
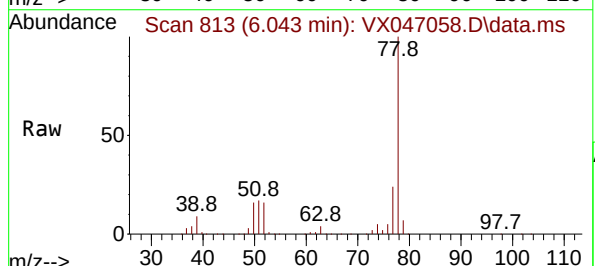
Acq: 21 Jul 2025 10:50

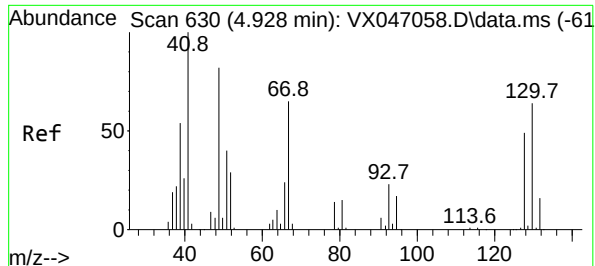
Tgt Ion: 78 Resp: 851995

Ion Ratio Lower Upper

78 100

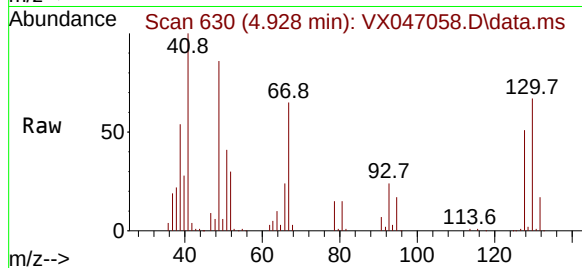
77 23.7 19.0 28.4





#41
Methacrylonitrile
Concen: 57.494 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

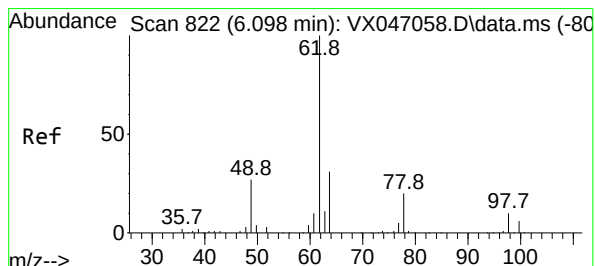
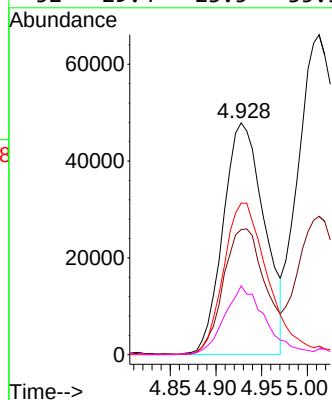
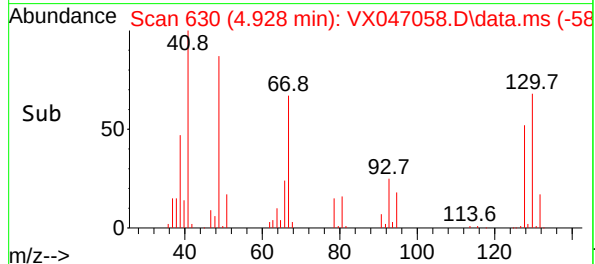
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 41 Resp: 150510
Ion Ratio Lower Upper
41 100
39 55.2 44.2 66.2
67 70.5 56.4 84.6
52 29.4 23.5 35.3

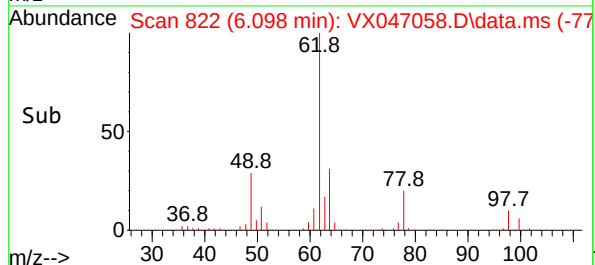
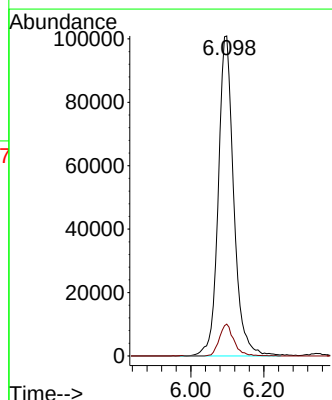
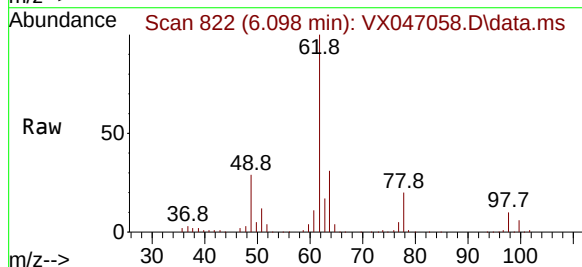
Manual Integrations
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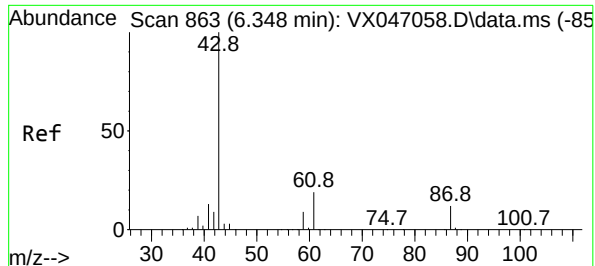
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#42
1,2-Dichloroethane
Concen: 53.686 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 62 Resp: 297385
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.8





#43

Isopropyl Acetate

Concen: 56.192 ug/l

RT: 6.348 min Scan# 863

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 43861

Ion Ratio Lower Upper

43 100

61 18.9 15.1 22.7

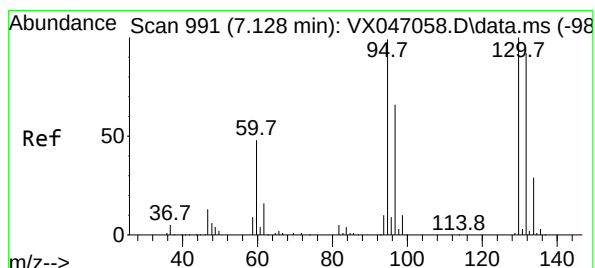
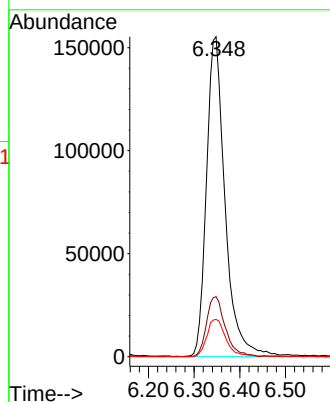
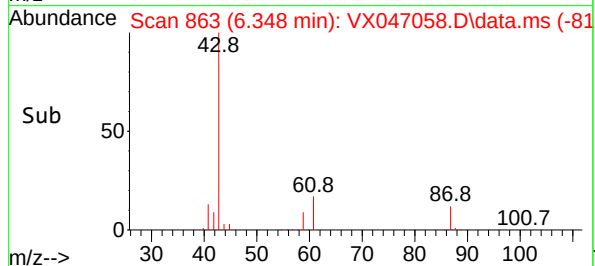
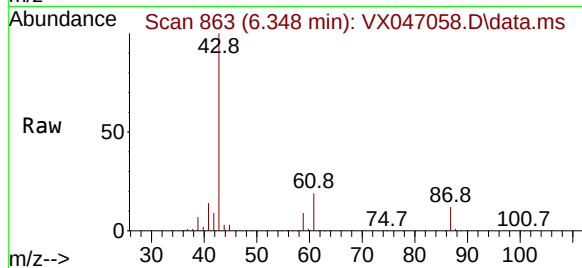
87 12.1 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#44

Trichloroethene

Concen: 53.751 ug/l

RT: 7.128 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX047058.D

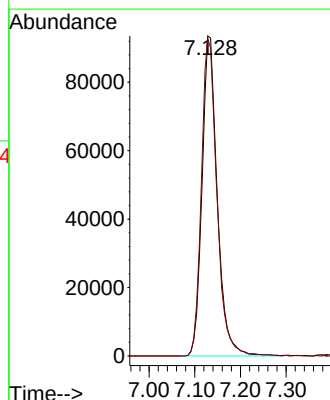
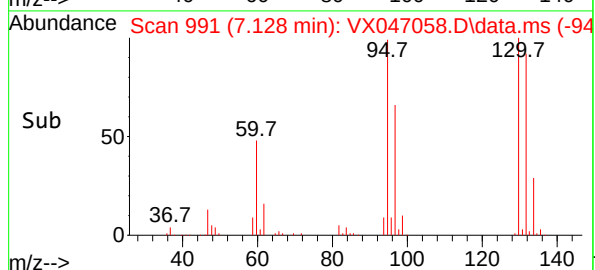
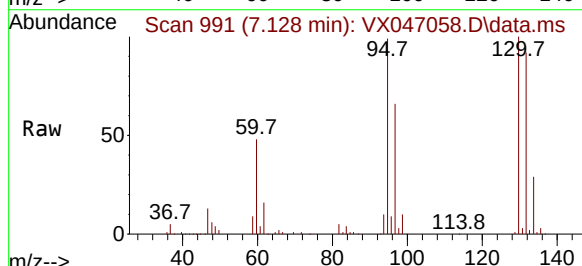
Acq: 21 Jul 2025 10:50

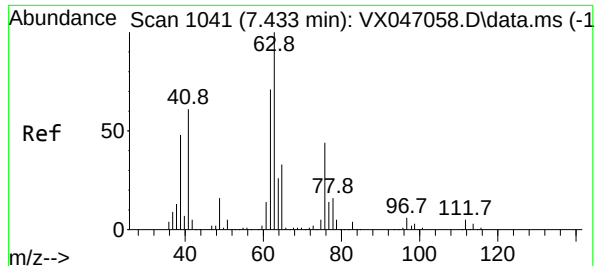
Tgt Ion:130 Resp: 216747

Ion Ratio Lower Upper

130 100

95 99.3 0.0 198.6





#45

1,2-Dichloropropane

Concen: 53.539 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 210862

Ion Ratio Lower Upper

63 100

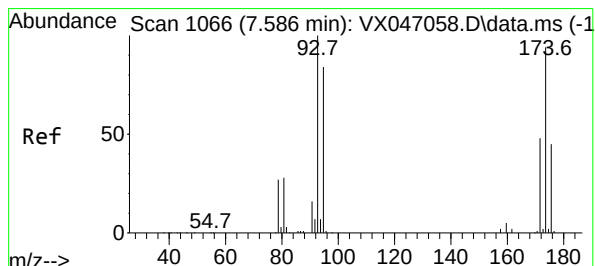
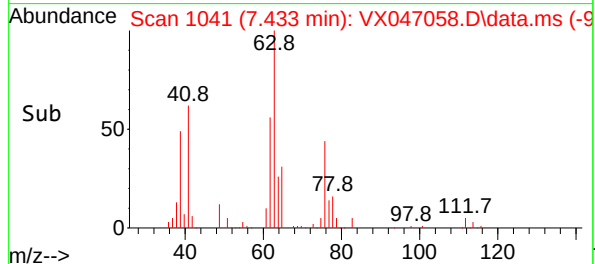
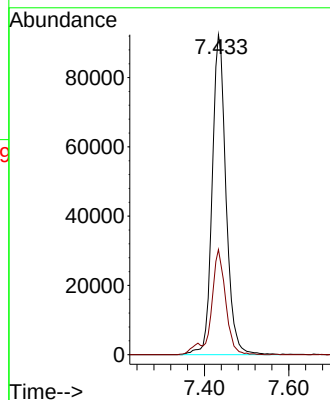
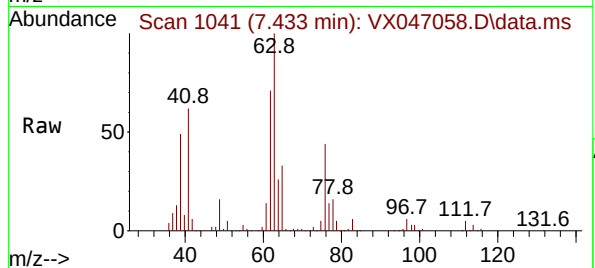
65 32.9 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#46

Dibromomethane

Concen: 54.916 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

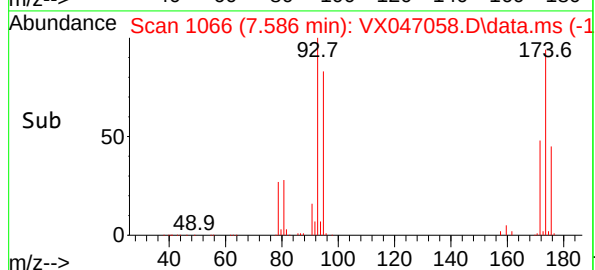
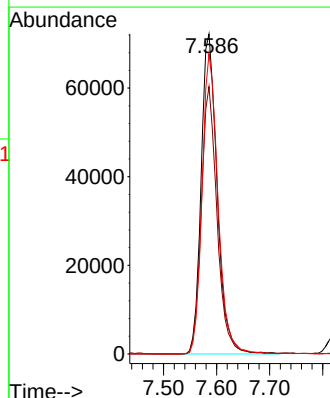
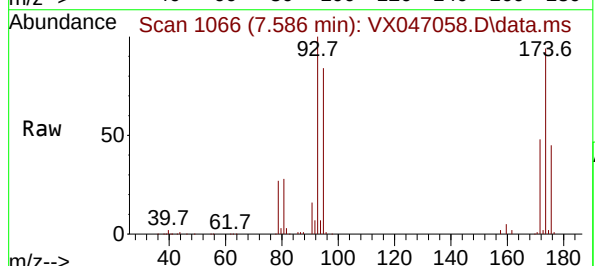
Tgt Ion: 93 Resp: 151672

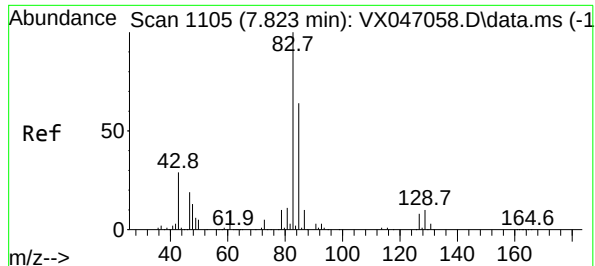
Ion Ratio Lower Upper

93 100

95 82.4 65.9 98.9

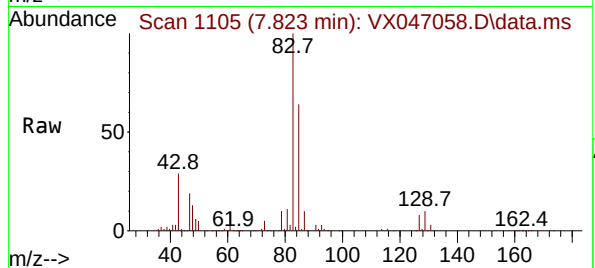
174 93.3 74.6 112.0





#47
Bromodichloromethane
Concen: 54.225 ug/l
RT: 7.823 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

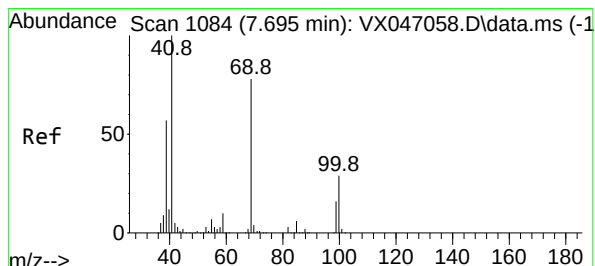
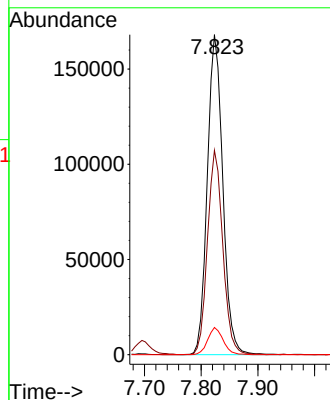
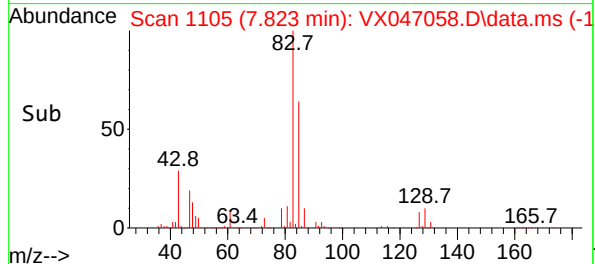
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 83 Resp: 31877
Ion Ratio Lower Upper
83 100
85 62.4 49.9 74.9
127 8.3 6.6 10.0

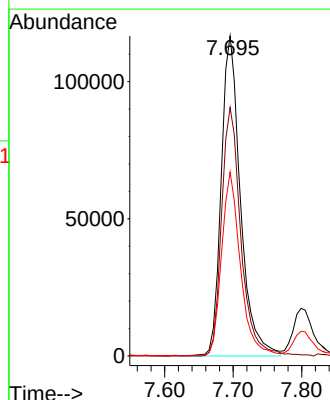
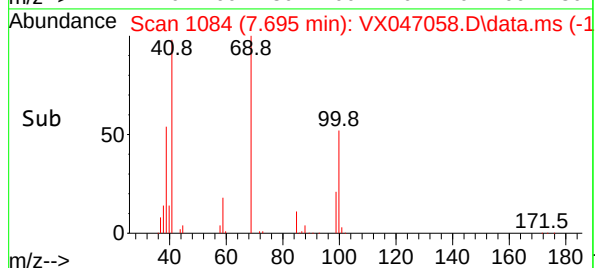
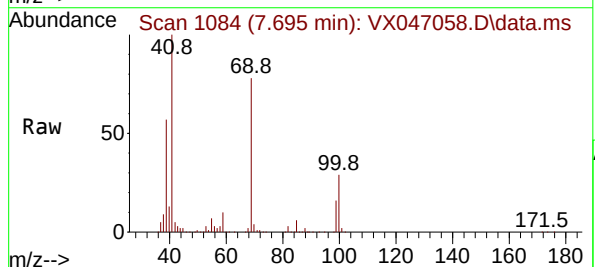
Manual Integrations
APPROVED

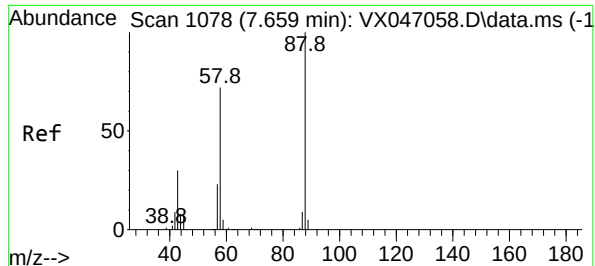
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#48
Methyl methacrylate
Concen: 53.391 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 41 Resp: 227033
Ion Ratio Lower Upper
41 100
69 77.9 62.3 93.5
39 56.0 44.8 67.2





#49

1,4-Dioxane

Concen: 1114.967 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

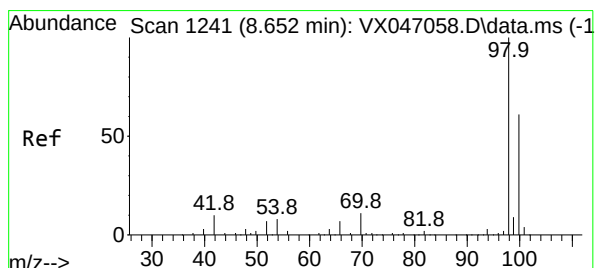
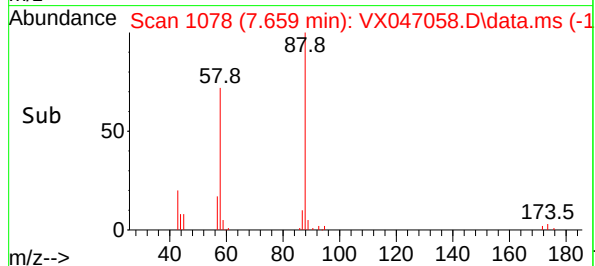
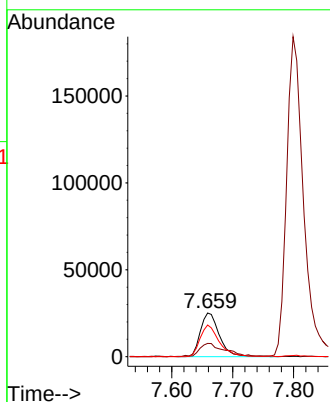
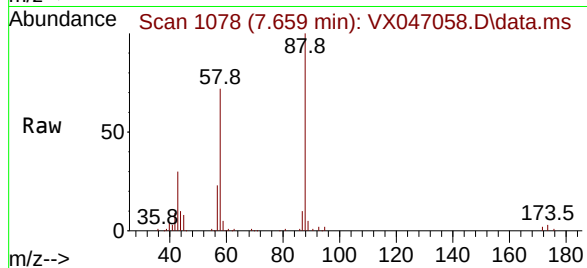
Tgt Ion:	88	Resp:	53924
Ion	Ratio	Lower	Upper
88	100		
43	42.0	33.6	50.4
58	73.5	58.8	88.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#50

Toluene-d8

Concen: 46.217 ug/l

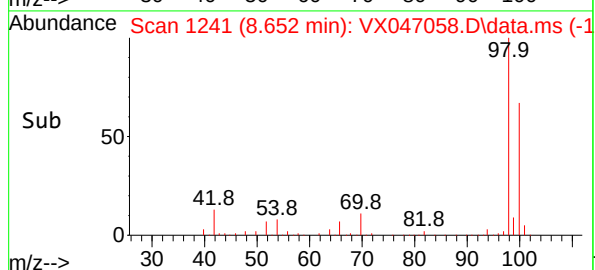
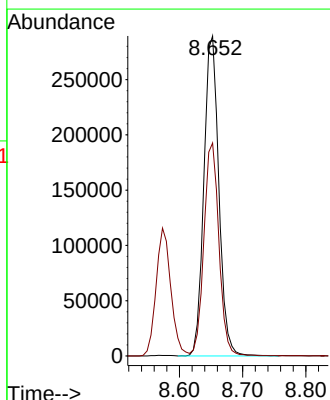
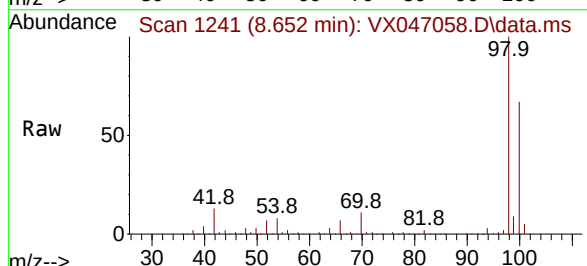
RT: 8.652 min Scan# 1241

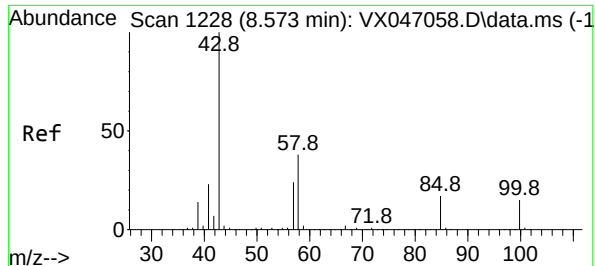
Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Tgt Ion:	98	Resp:	477108
Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9





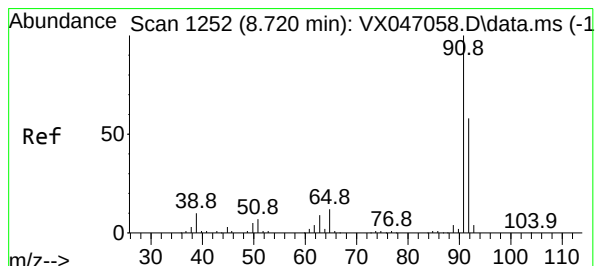
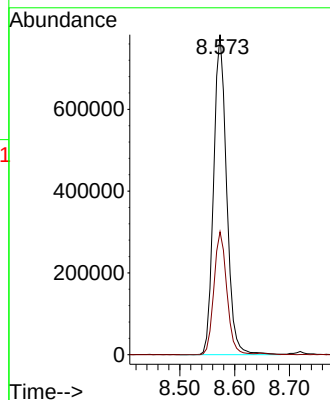
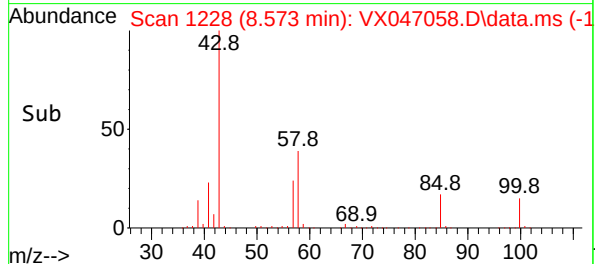
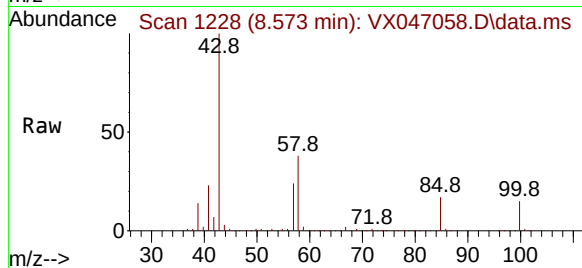
#51
4-Methyl-2-Pentanone
Concen: 276.384 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1282299
Ion Ratio Lower Upper
43 100
58 38.2 30.6 45.8

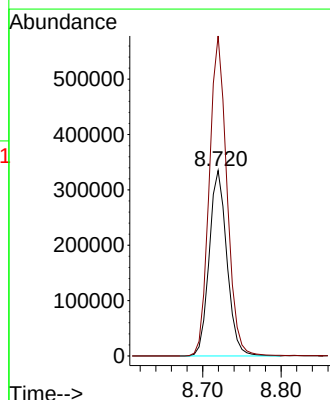
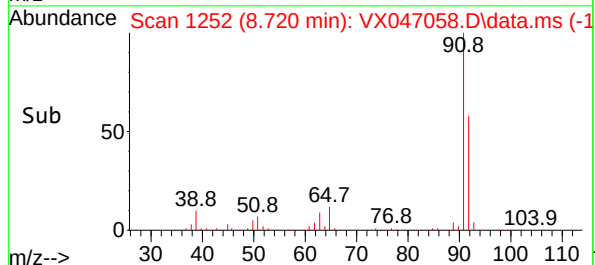
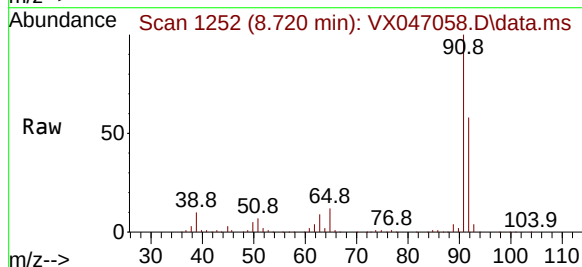
Manual Integrations
APPROVED

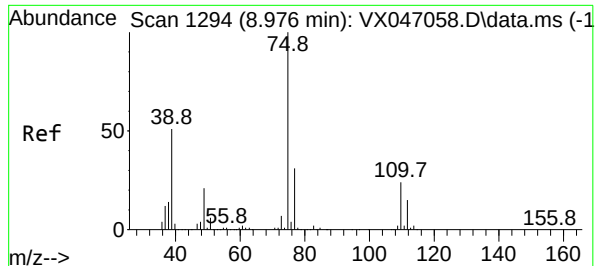
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#52
Toluene
Concen: 54.288 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 92 Resp: 524916
Ion Ratio Lower Upper
92 100
91 172.4 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 55.044 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 30556

Ion Ratio Lower Upper

75 100

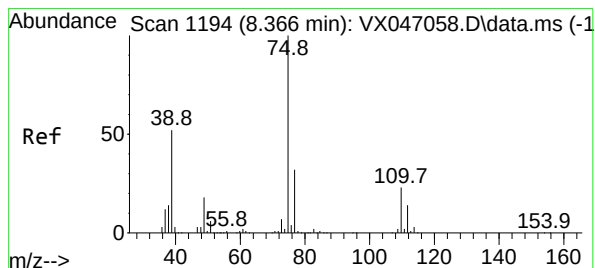
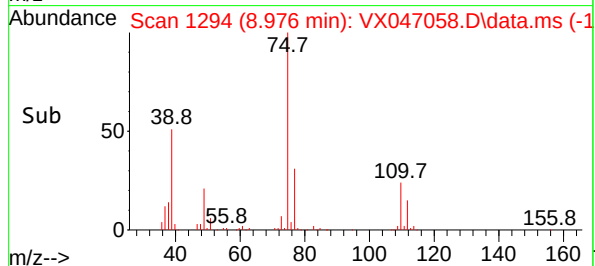
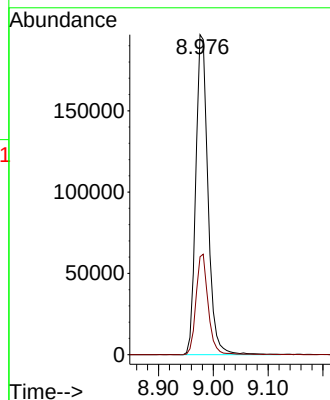
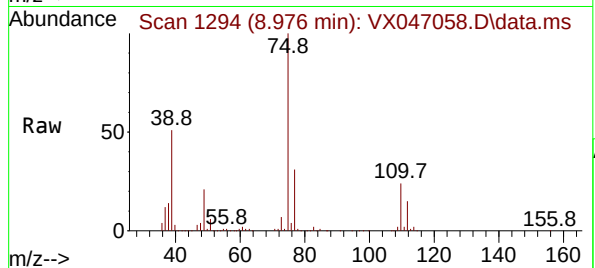
77 30.6 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#54

cis-1,3-Dichloropropene

Concen: 55.475 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

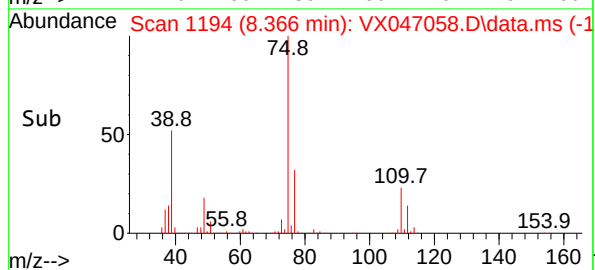
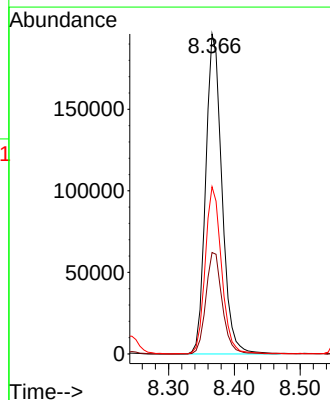
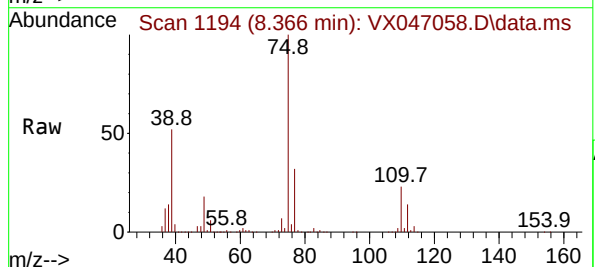
Tgt Ion: 75 Resp: 337057

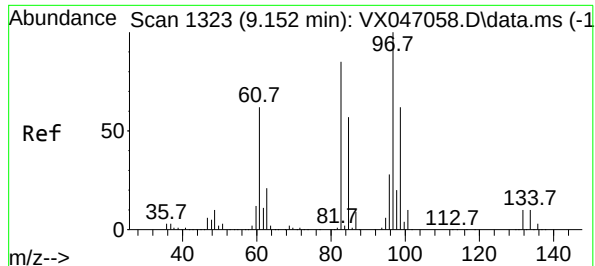
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 52.2 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 53.587 ug/l

RT: 9.152 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 194314

Ion Ratio Lower Upper

97 100

83 85.0 68.0 102.0

85 56.5 45.2 67.8

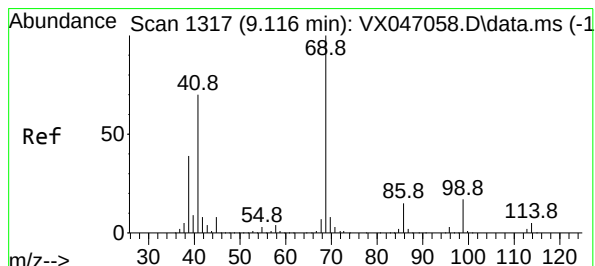
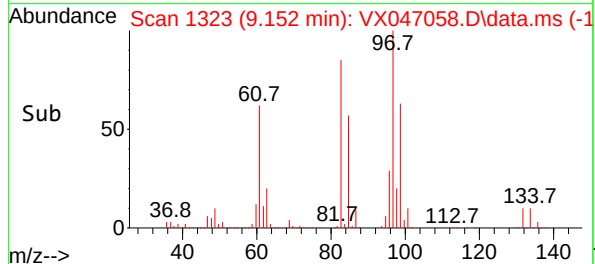
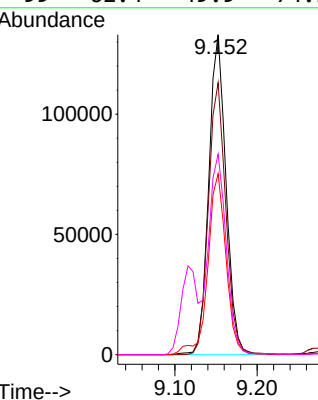
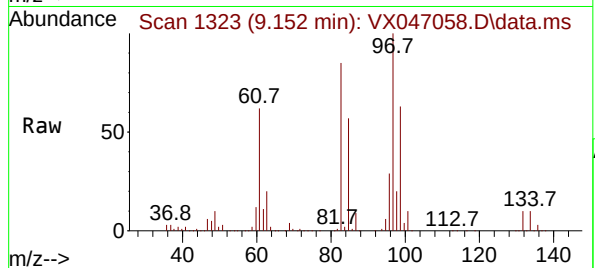
99 62.4 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#56

Ethyl methacrylate

Concen: 57.281 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

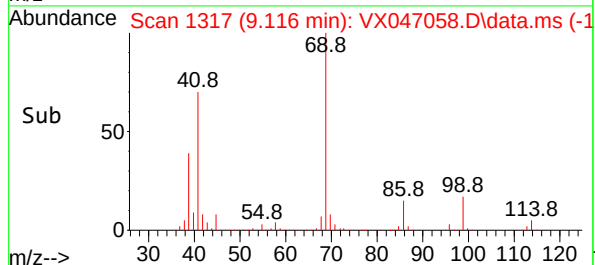
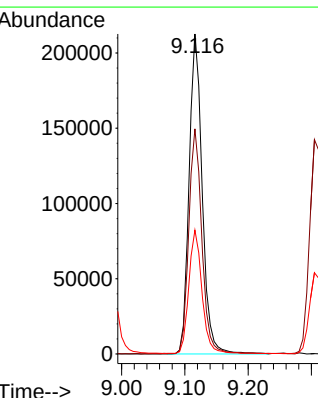
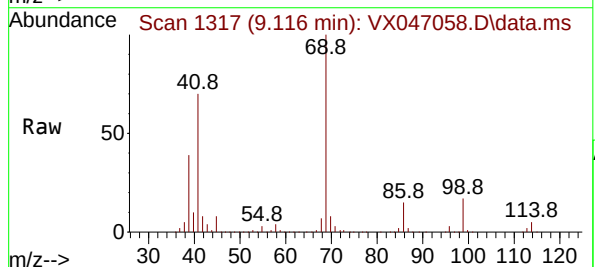
Tgt Ion: 69 Resp: 307494

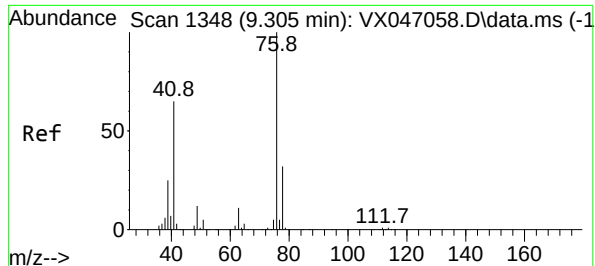
Ion Ratio Lower Upper

69 100

41 70.1 56.1 84.1

39 38.9 31.1 46.7





#57

1,3-Dichloropropane

Concen: 53.491 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 337100

Ion Ratio Lower Upper

76 100

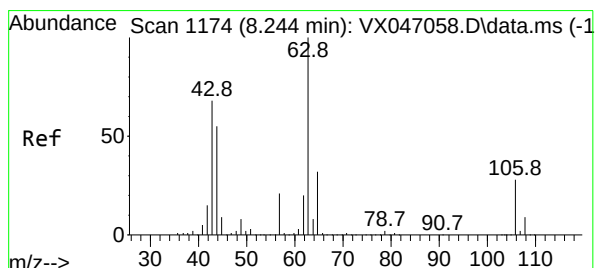
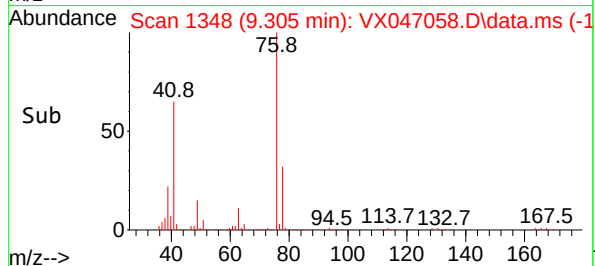
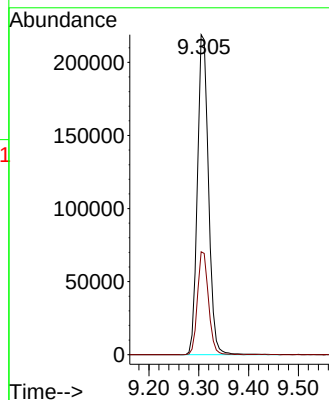
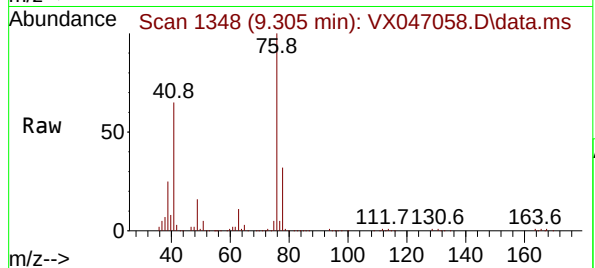
78 31.9 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#58

2-Chloroethyl Vinyl ether

Concen: 278.917 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX047058.D

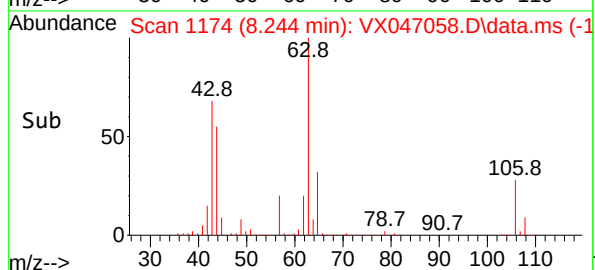
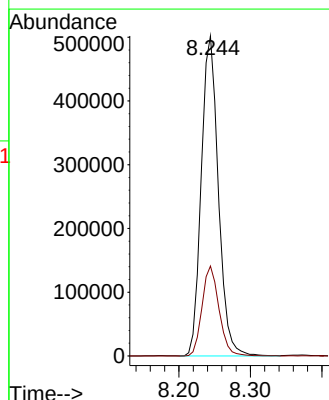
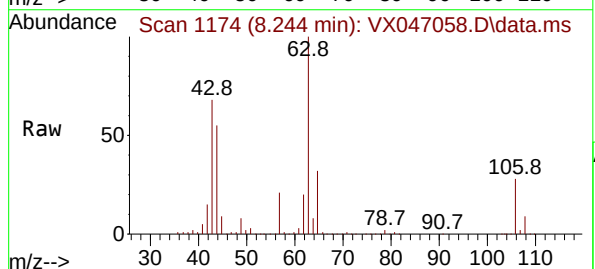
Acq: 21 Jul 2025 10:50

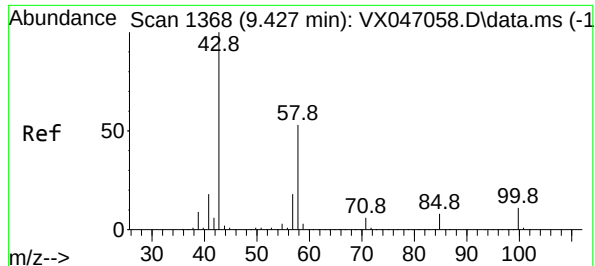
Tgt Ion: 63 Resp: 833190

Ion Ratio Lower Upper

63 100

106 27.8 22.2 33.4





#59

2-Hexanone

Concen: 289.252 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 88663

Ion Ratio Lower Upper

43 100

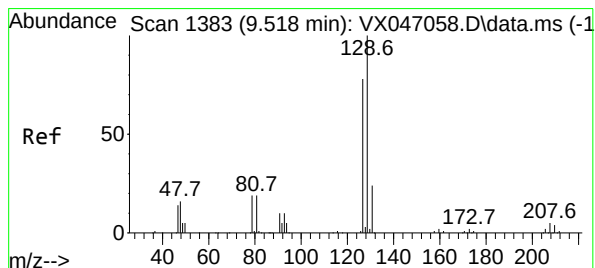
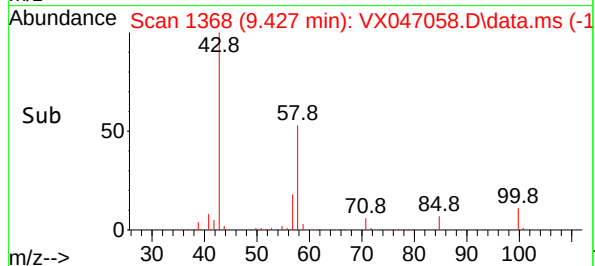
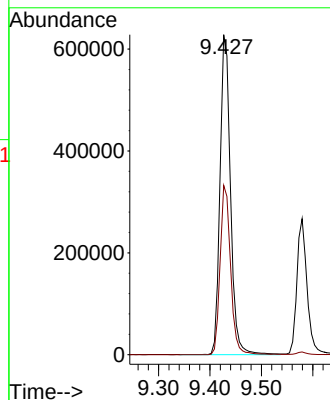
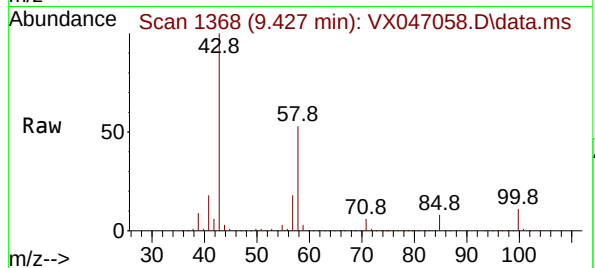
58 53.0 26.5 79.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#60

Dibromochloromethane

Concen: 53.881 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX047058.D

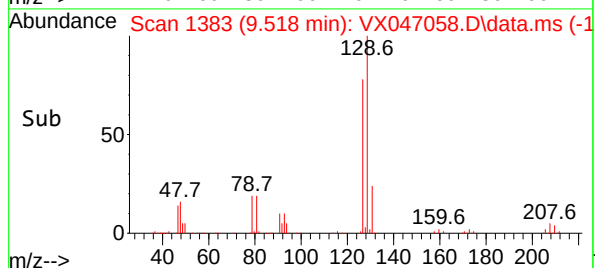
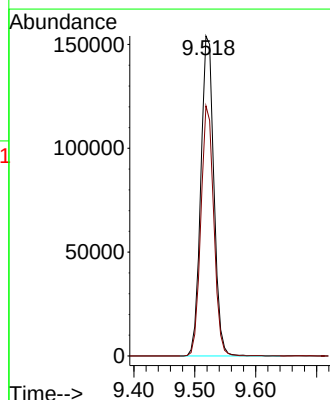
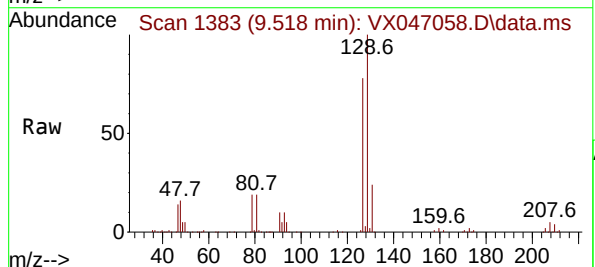
Acq: 21 Jul 2025 10:50

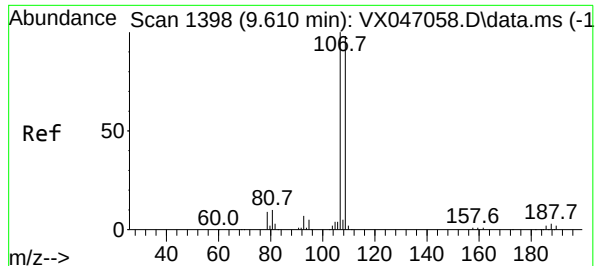
Tgt Ion:129 Resp: 229147

Ion Ratio Lower Upper

129 100

127 77.2 38.6 115.8





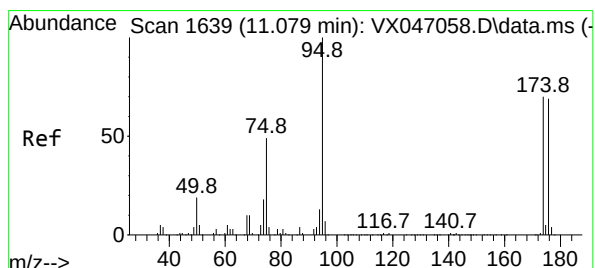
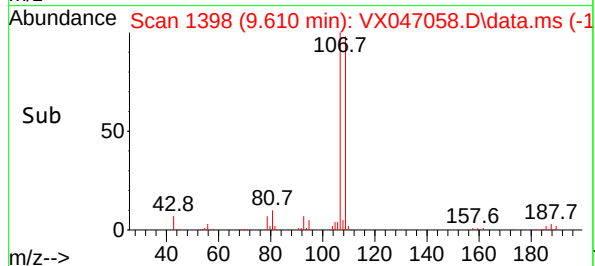
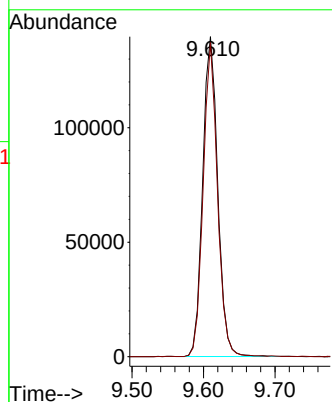
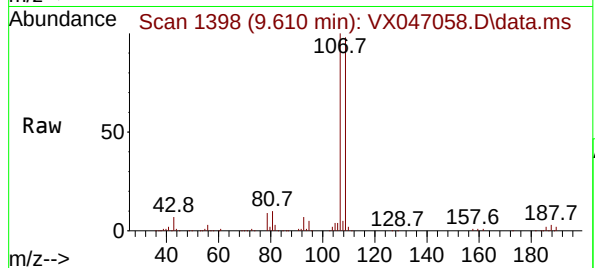
#61
1,2-Dibromoethane
Concen: 53.823 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 204078
Ion Ratio Lower Upper
107 100
109 93.3 74.6 112.0

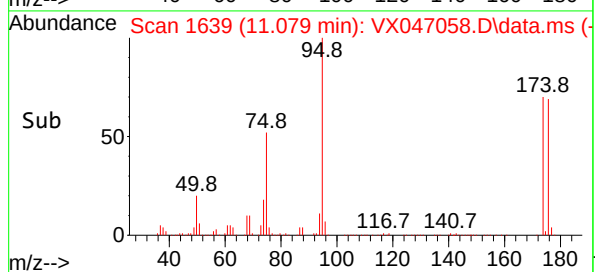
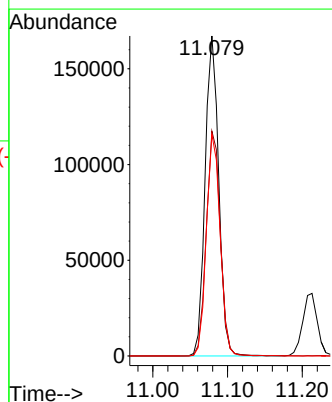
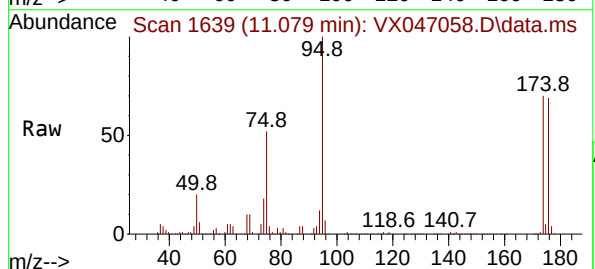
Manual Integrations
APPROVED

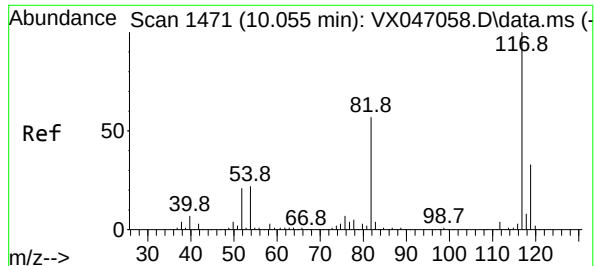
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#62
4-Bromofluorobenzene
Concen: 47.473 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

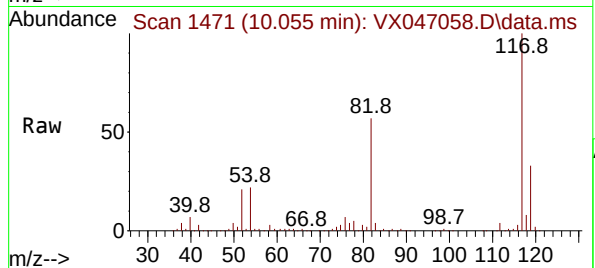
Tgt Ion: 95 Resp: 211198
Ion Ratio Lower Upper
95 100
174 72.3 0.0 144.6
176 69.8 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

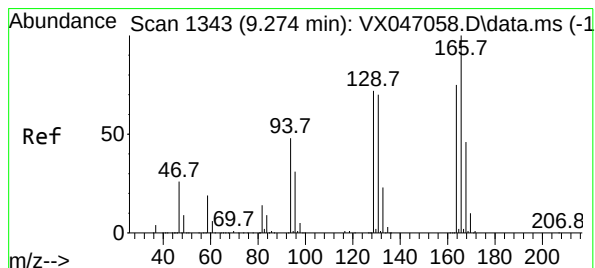
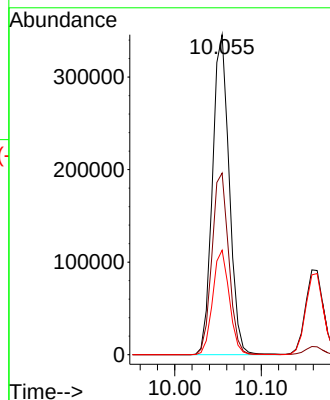
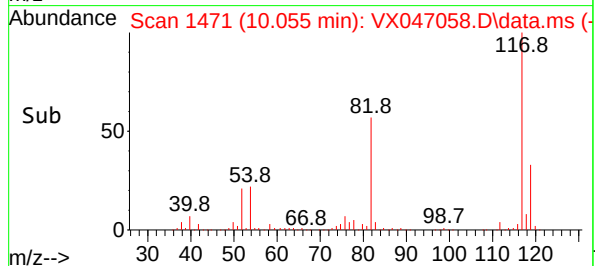
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:117 Resp: 46456
Ion Ratio Lower Upper
117 100
82 56.8 45.4 68.2
119 32.6 26.1 39.1

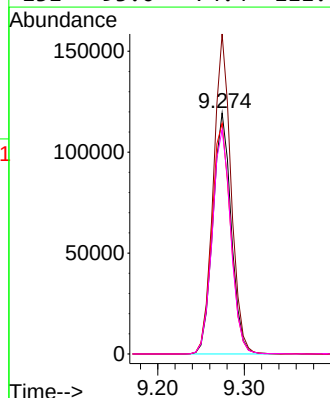
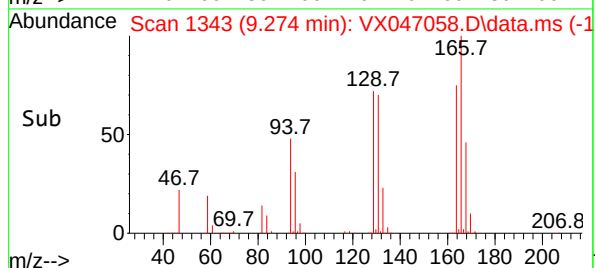
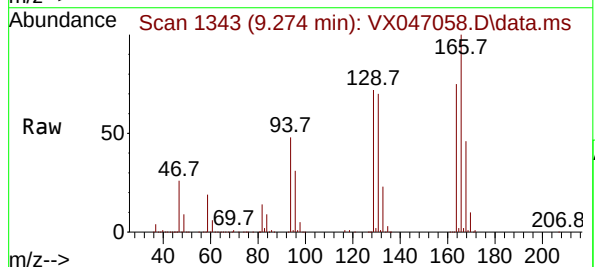
Manual Integrations
APPROVED

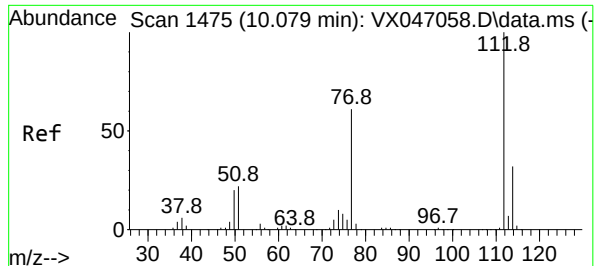
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#64
Tetrachloroethene
Concen: 52.173 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:164 Resp: 174727
Ion Ratio Lower Upper
164 100
166 132.8 106.2 159.4
129 95.7 76.6 114.8
131 93.0 74.4 111.6





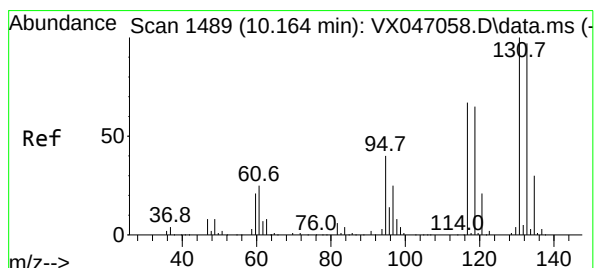
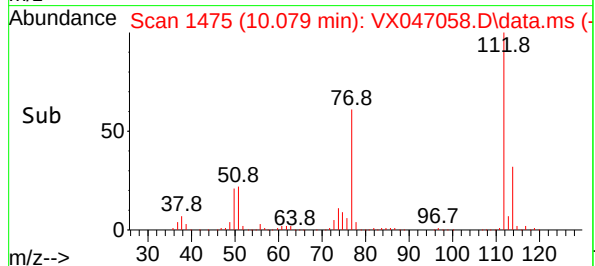
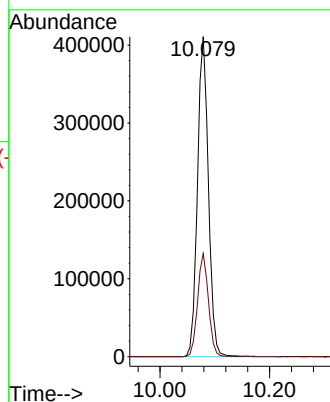
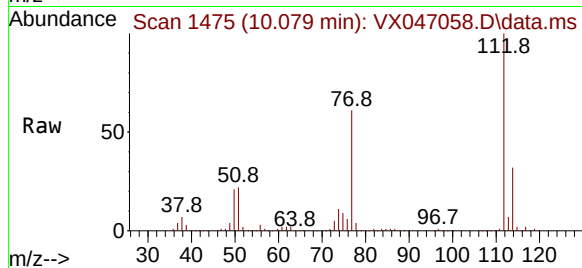
#65
Chlorobenzene
Concen: 52.530 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 571690
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

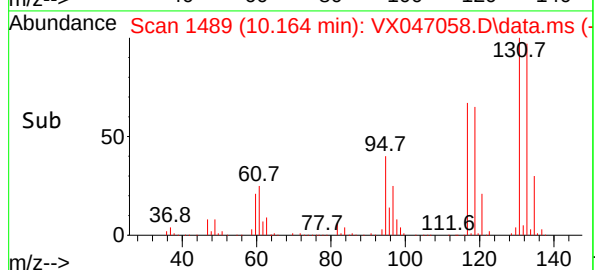
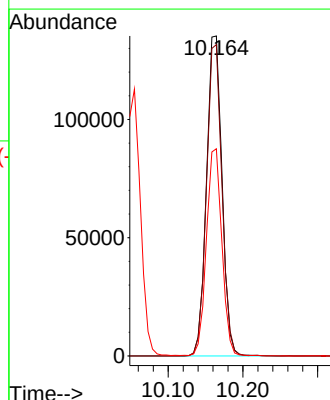
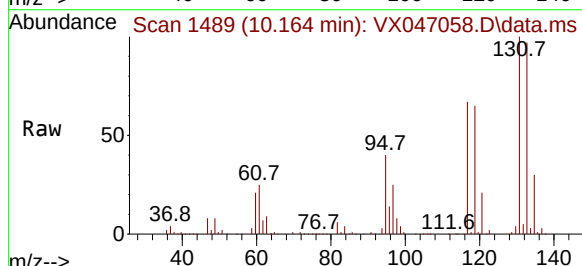
Manual Integrations
APPROVED

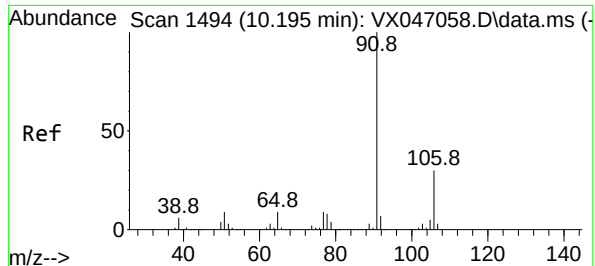
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 53.158 ug/l
RT: 10.164 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:131 Resp: 194777
Ion Ratio Lower Upper
131 100
133 96.9 48.4 145.3
119 64.7 32.4 97.0





#67

Ethyl Benzene

Concen: 53.812 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 1023980

Ion Ratio Lower Upper

91 100

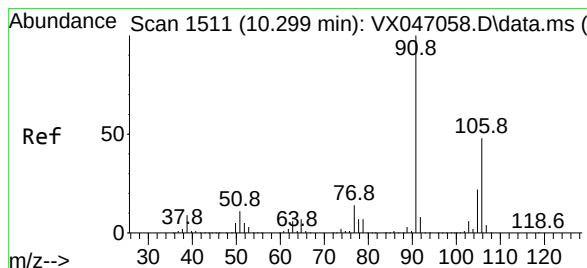
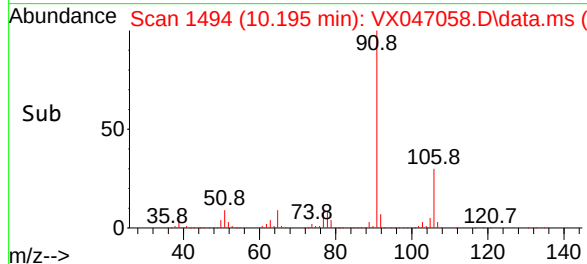
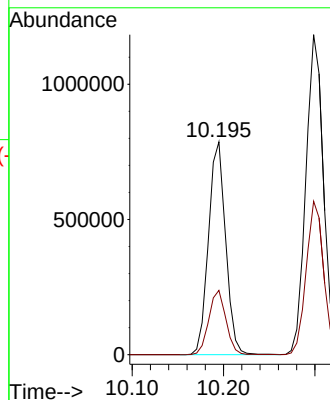
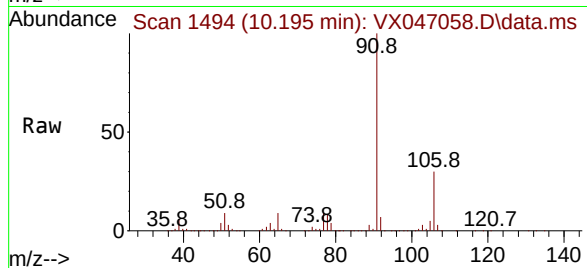
106 30.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#68

m/p-Xylenes

Concen: 106.683 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX047058.D

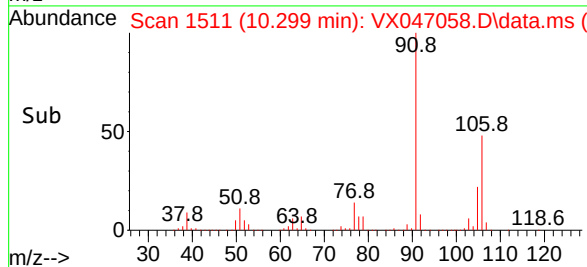
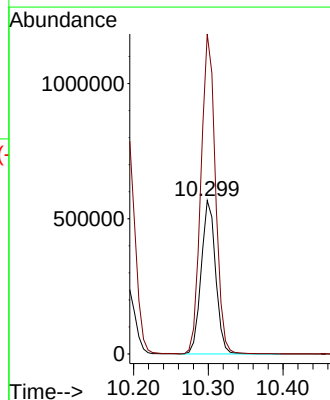
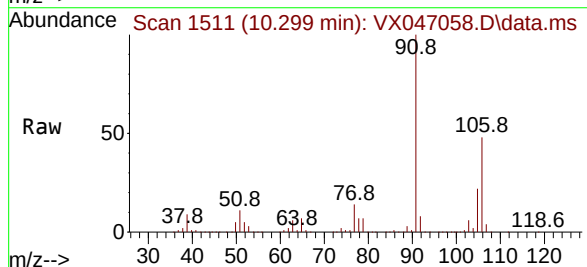
Acq: 21 Jul 2025 10:50

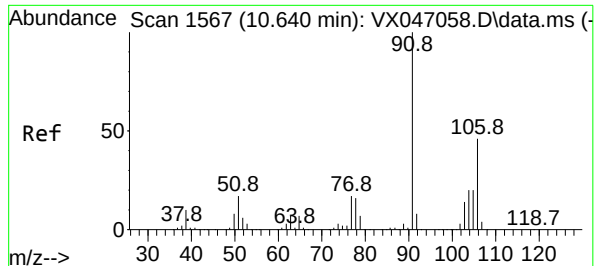
Tgt Ion:106 Resp: 759689

Ion Ratio Lower Upper

106 100

91 209.2 167.4 251.0





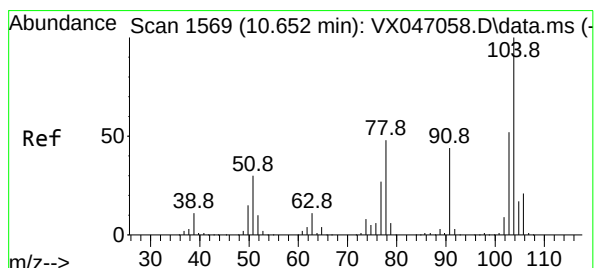
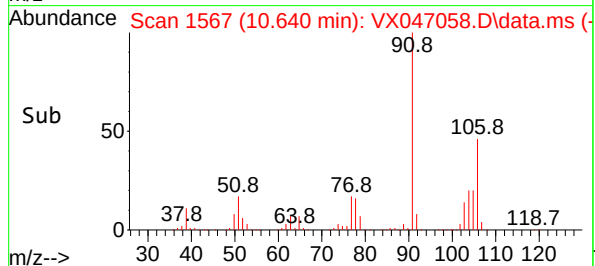
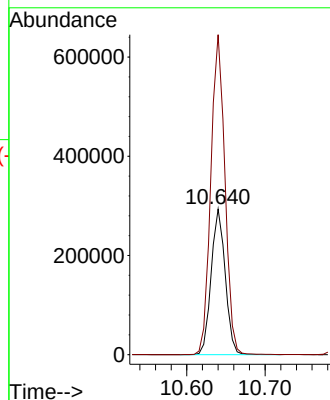
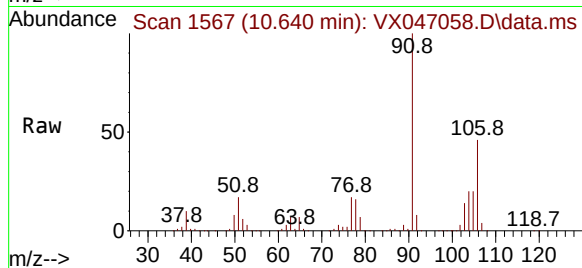
#69
o-Xylene
Concen: 53.834 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 364689
Ion Ratio Lower Upper
106 100
91 220.7 110.3 331.0

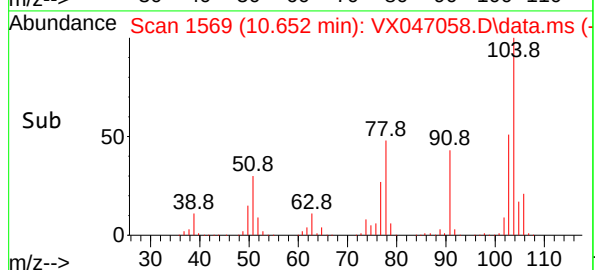
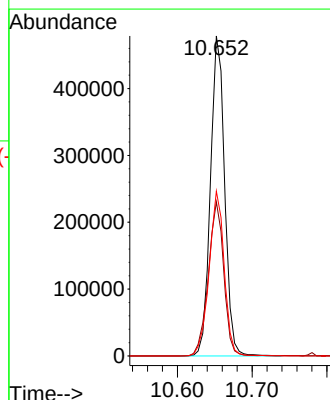
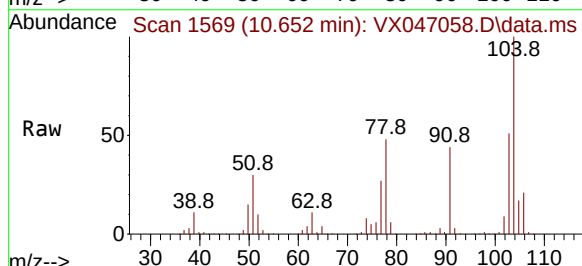
Manual Integrations
APPROVED

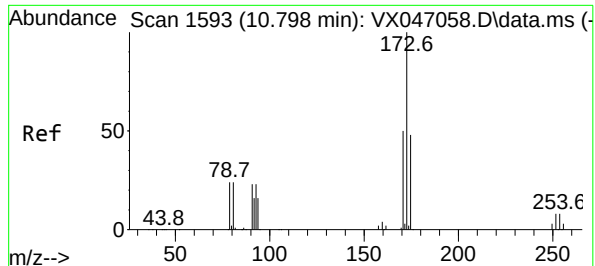
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#70
Styrene
Concen: 54.447 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

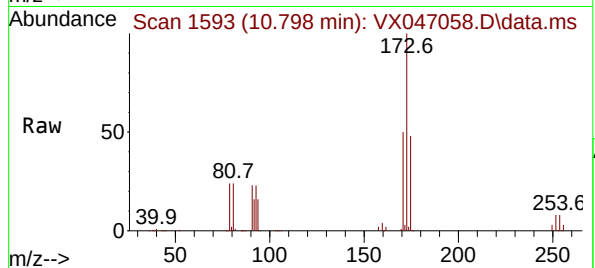
Tgt Ion:104 Resp: 632474
Ion Ratio Lower Upper
104 100
78 52.5 42.0 63.0
103 54.7 43.8 65.6





#71
Bromoform
Concen: 54.228 ug/l
RT: 10.798 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

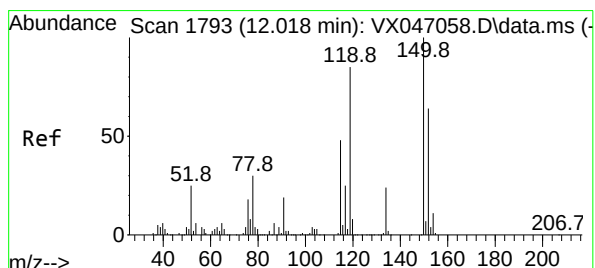
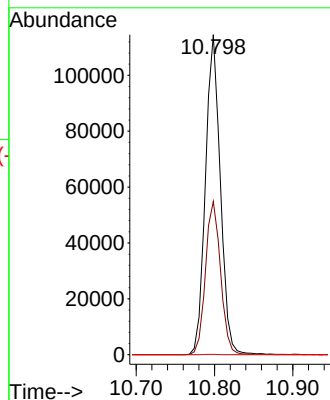
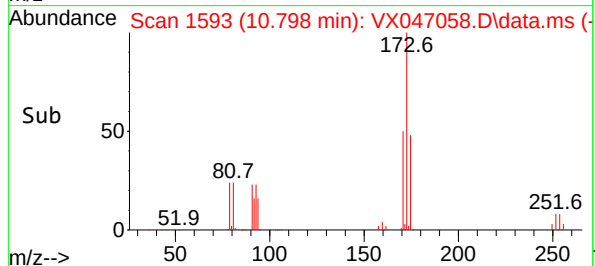
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:173 Resp: 150938
Ion Ratio Lower Upper
173 100
175 48.4 24.2 72.6
254 0.1 0.1 0.1

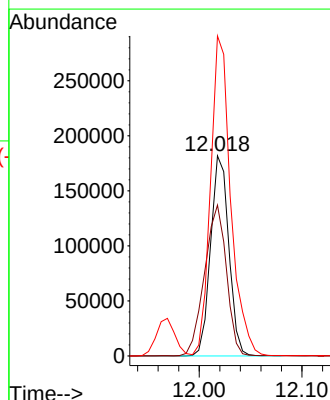
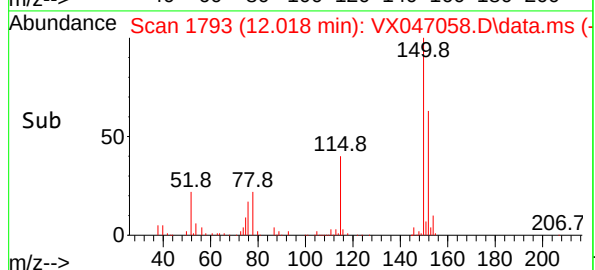
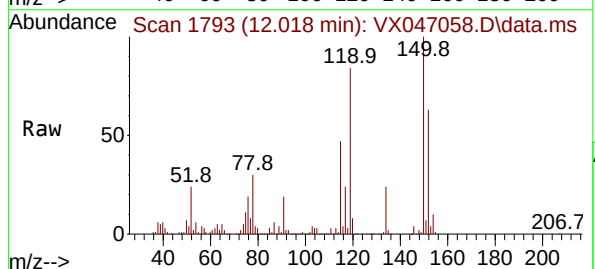
Manual Integrations
APPROVED

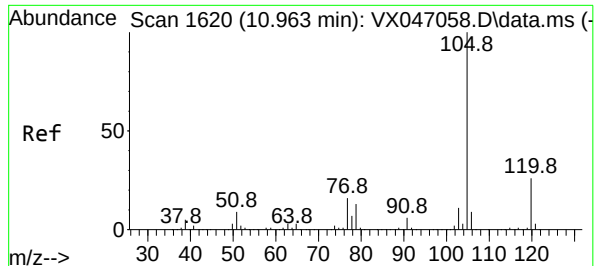
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:152 Resp: 223799
Ion Ratio Lower Upper
152 100
115 91.1 45.6 136.7
150 177.3 0.0 354.6





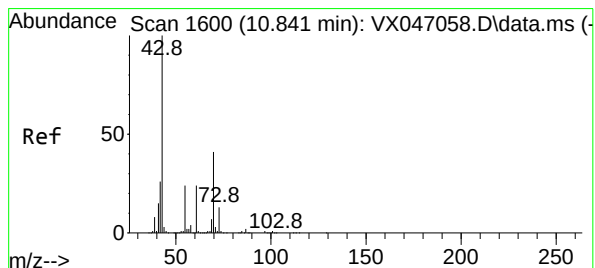
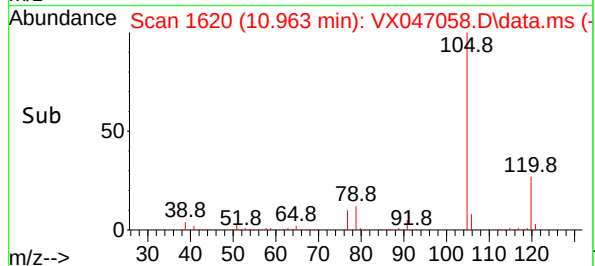
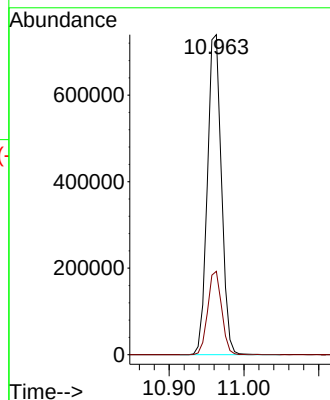
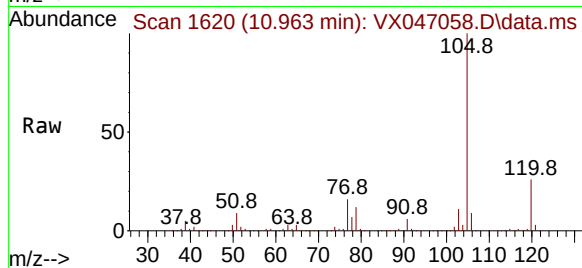
#73
Isopropylbenzene
Concen: 54.621 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 96441
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.7

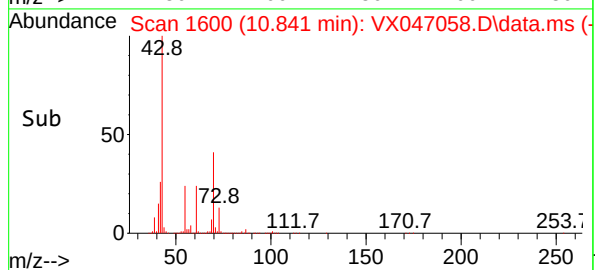
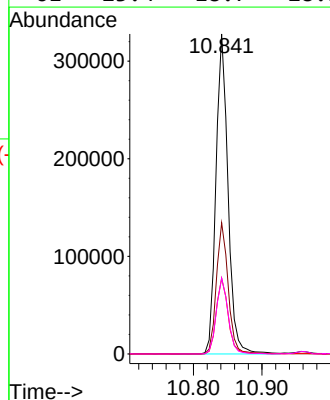
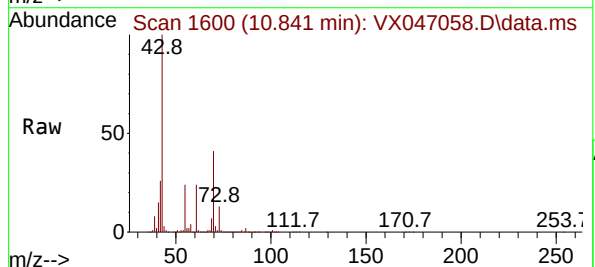
Manual Integrations
APPROVED

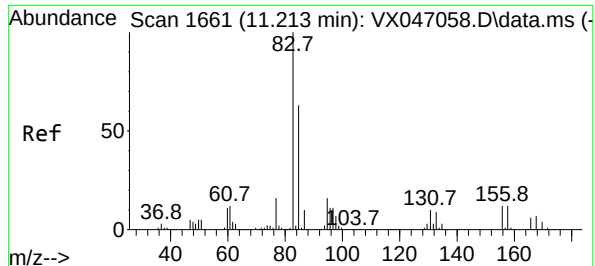
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#74
N-ethyl acetate
Concen: 56.697 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

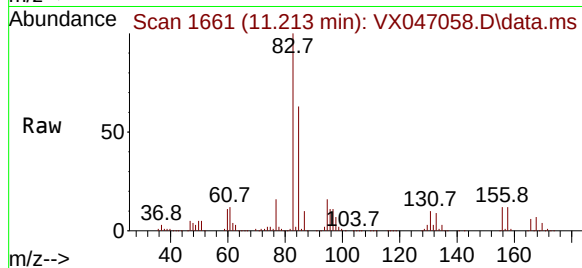
Tgt Ion: 43 Resp: 399297
Ion Ratio Lower Upper
43 100
70 40.4 32.3 48.5
55 23.6 18.9 28.3
61 23.4 18.7 28.1





#75
1,1,2,2-Tetrachloroethane
Concen: 53.670 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

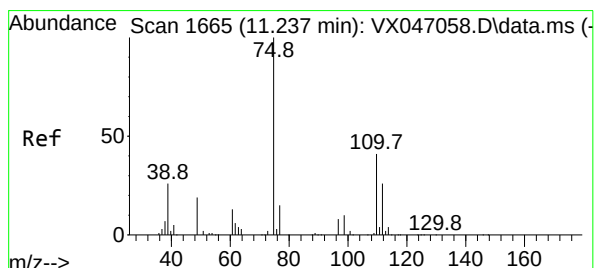
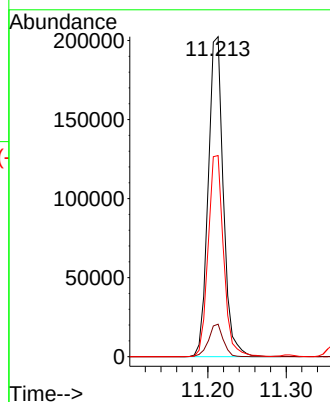
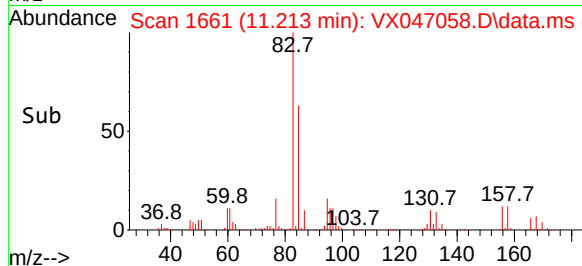
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 83 Resp: 270685
Ion Ratio Lower Upper
83 100
131 9.9 5.0 14.9
85 64.1 32.0 96.2

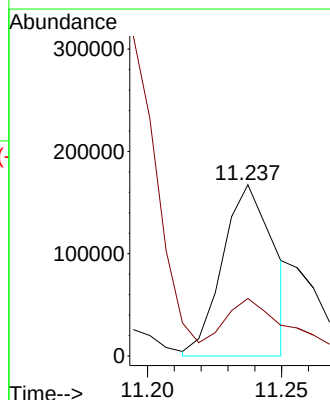
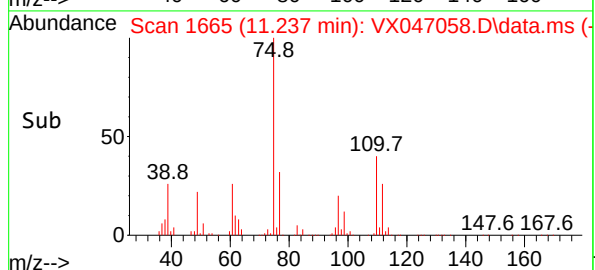
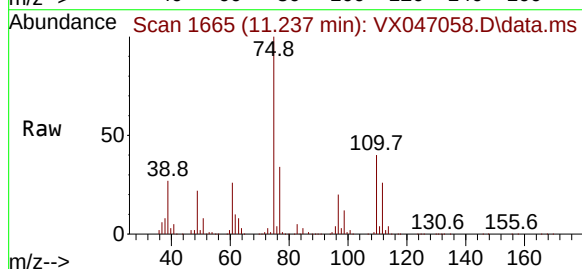
Manual Integrations
APPROVED

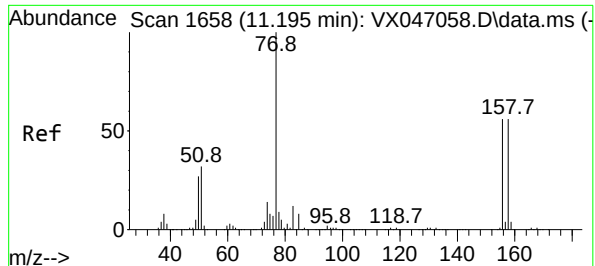
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#76
1,2,3-Trichloropropane
Concen: 53.523 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

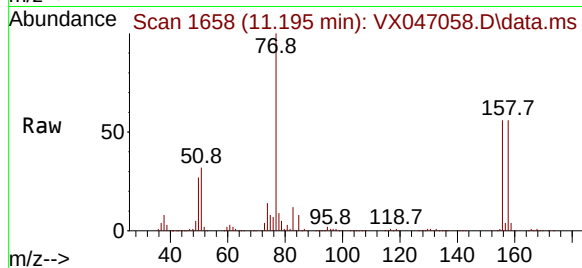
Tgt Ion: 75 Resp: 221713
Ion Ratio Lower Upper
75 100
77 43.3 21.6 65.0





#77
Bromobenzene
Concen: 53.727 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

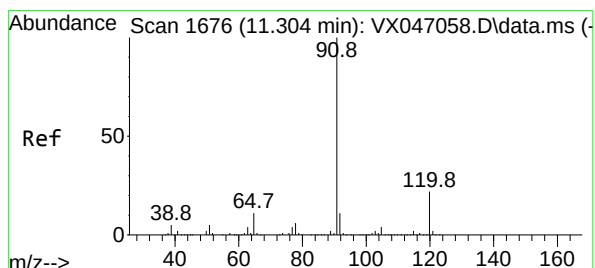
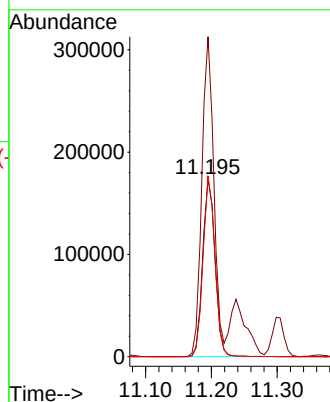
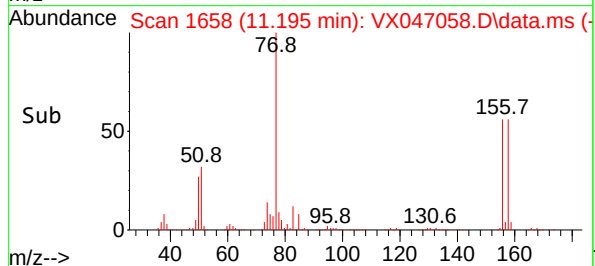
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:156 Resp: 22753
Ion Ratio Lower Upper
156 100
77 174.6 87.3 261.9
158 97.7 48.9 146.6

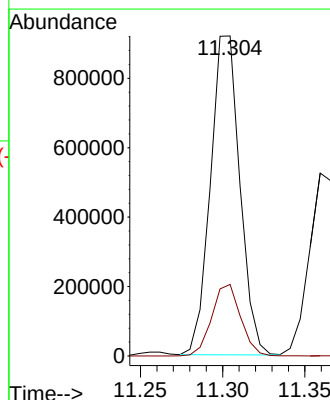
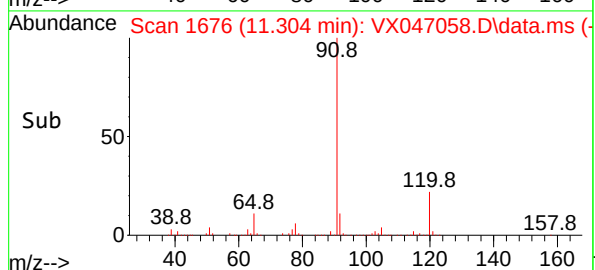
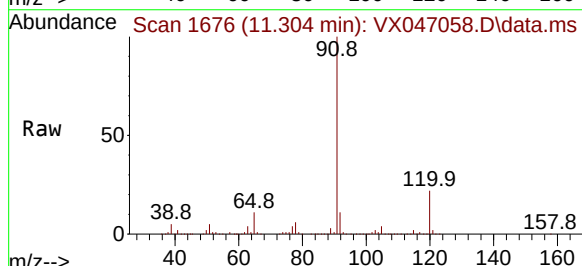
Manual Integrations
APPROVED

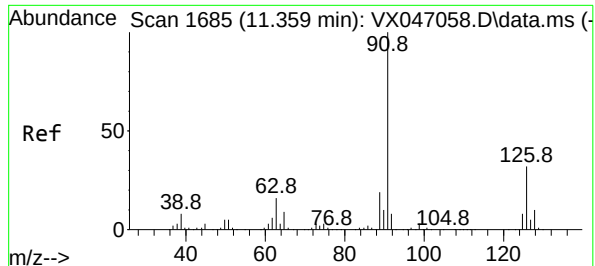
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#78
n-propylbenzene
Concen: 54.290 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 91 Resp: 1145472
Ion Ratio Lower Upper
91 100
120 22.0 11.0 33.0





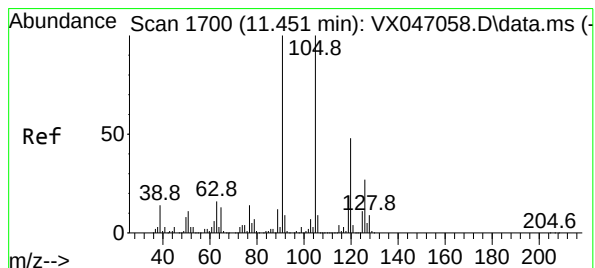
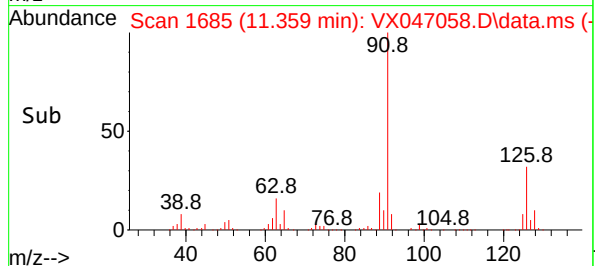
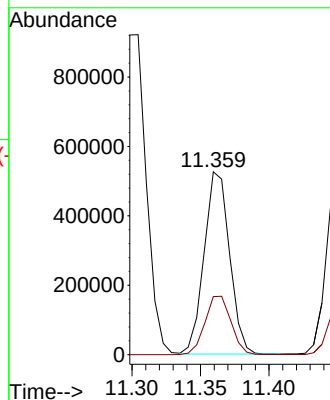
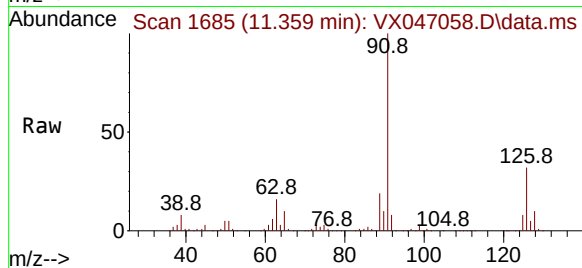
#79
2-Chlorotoluene
Concen: 53.739 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 677779
Ion Ratio Lower Upper
91 100
126 32.9 16.4 49.4

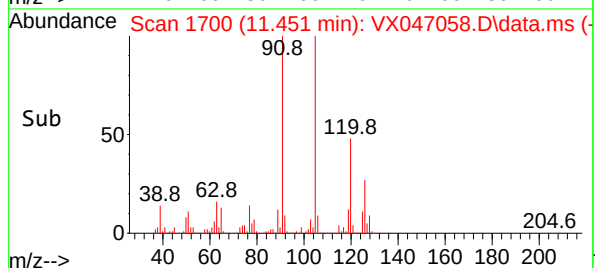
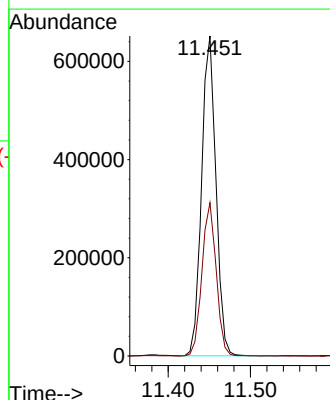
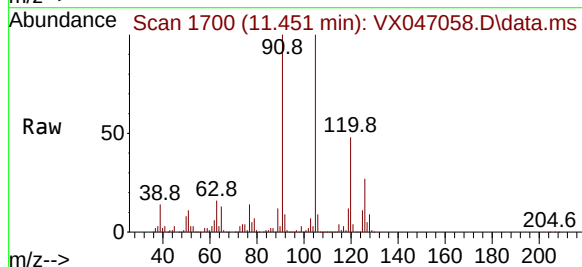
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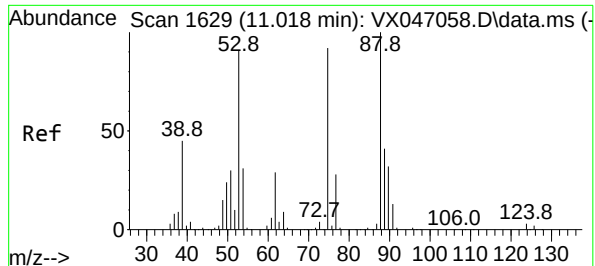
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#80
1,3,5-Trimethylbenzene
Concen: 54.057 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:105 Resp: 788518
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.5





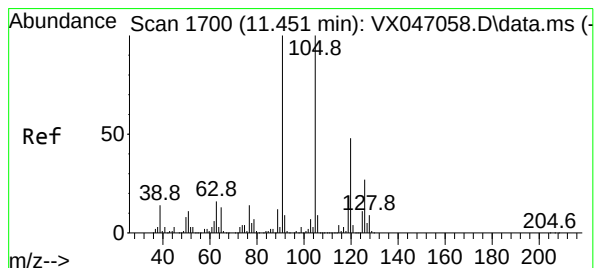
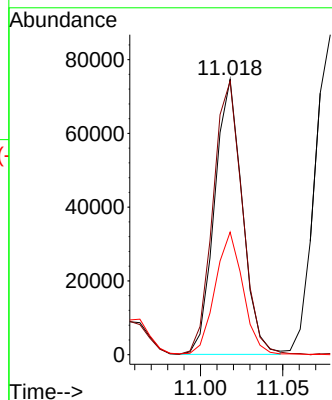
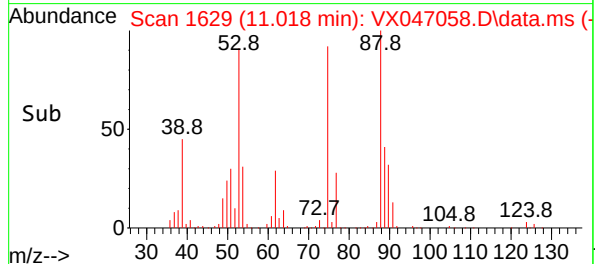
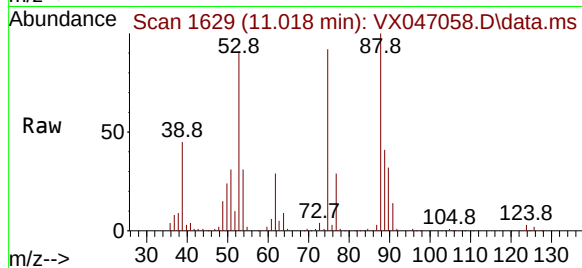
#81
trans-1,4-Dichloro-2-butene
Concen: 54.445 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 87538
Ion Ratio Lower Upper
75 100
53 105.3 84.2 126.4
89 45.0 36.0 54.0

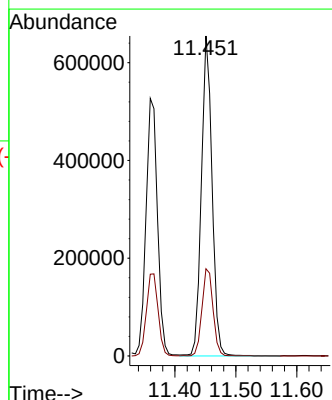
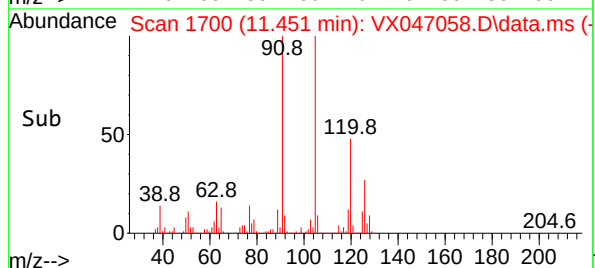
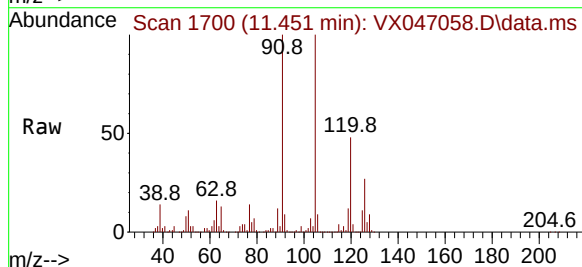
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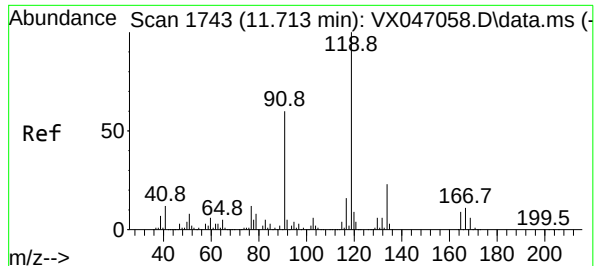
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#82
4-Chlorotoluene
Concen: 54.249 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 91 Resp: 798628
Ion Ratio Lower Upper
91 100
126 28.2 14.1 42.3





#83

tert-Butylbenzene

Concen: 54.819 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 802592

Ion Ratio Lower Upper

119 100

91 59.2 29.6 88.8

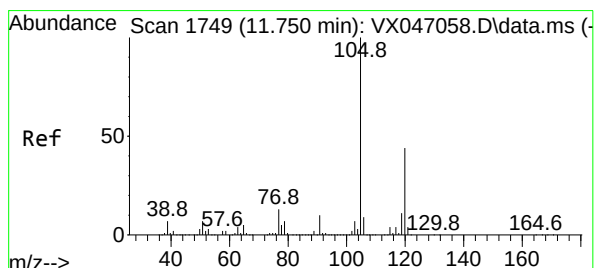
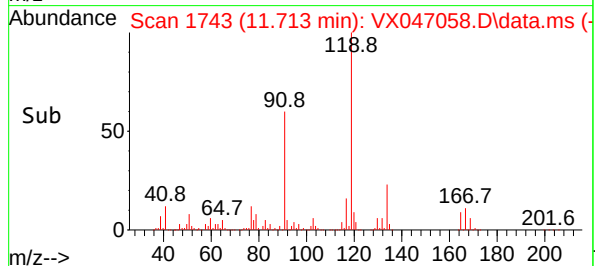
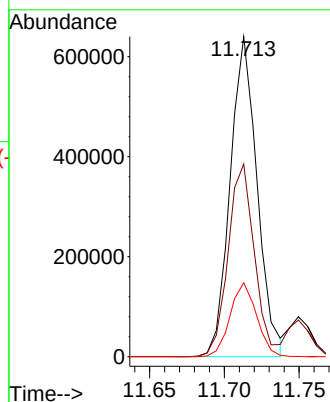
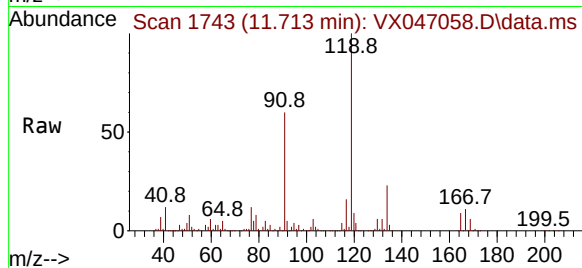
134 22.7 11.4 34.1

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#84

1,2,4-Trimethylbenzene

Concen: 55.018 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX047058.D

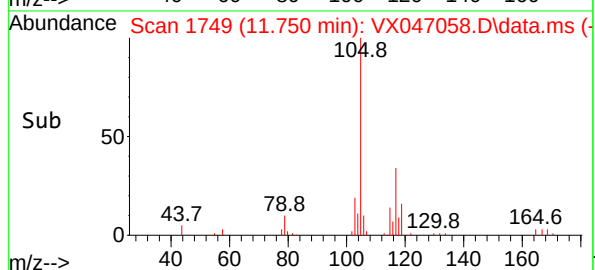
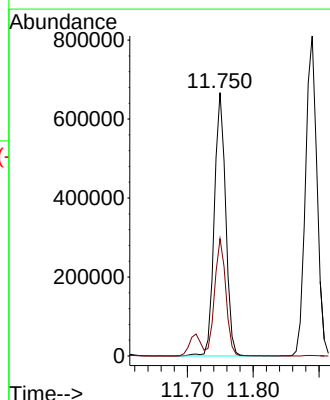
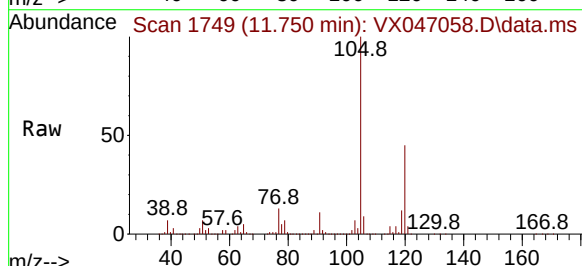
Acq: 21 Jul 2025 10:50

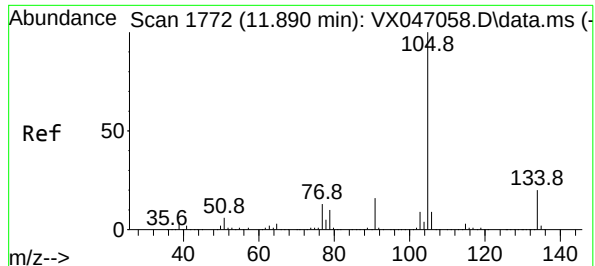
Tgt Ion:105 Resp: 800479

Ion Ratio Lower Upper

105 100

120 44.0 22.0 66.0





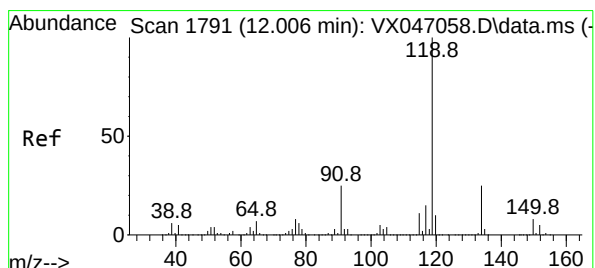
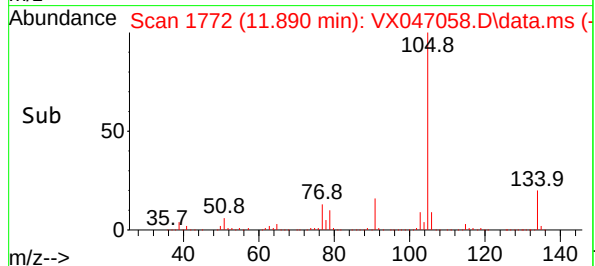
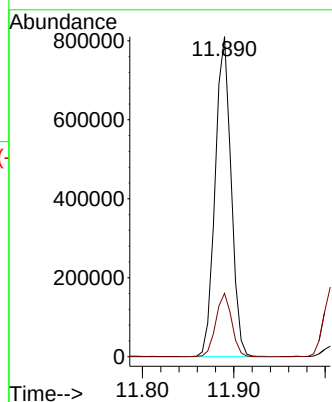
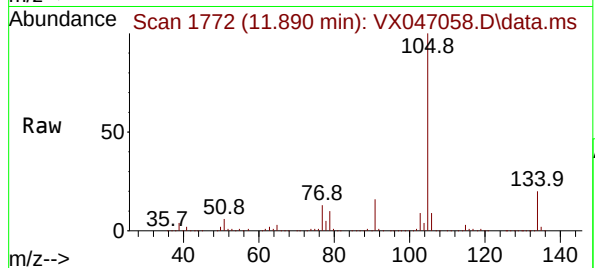
#85
sec-Butylbenzene
Concen: 53.809 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 984328
Ion Ratio Lower Upper
105 100
134 19.8 9.9 29.7

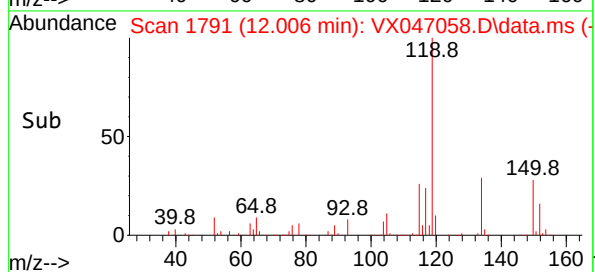
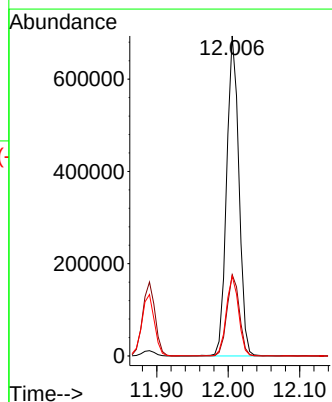
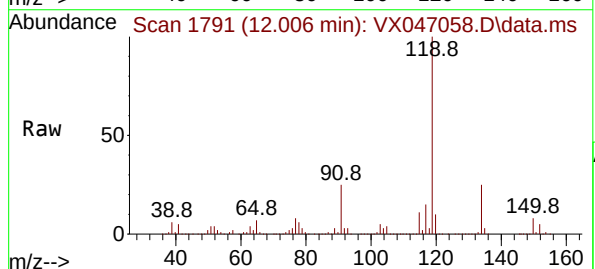
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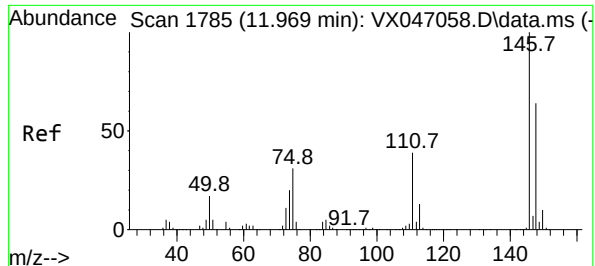
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#86
p-Isopropyltoluene
Concen: 54.651 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:119 Resp: 829044
Ion Ratio Lower Upper
119 100
134 25.6 12.8 38.4
91 24.9 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 53.079 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 427108

Ion Ratio Lower Upper

146 100

111 42.0 21.0 63.0

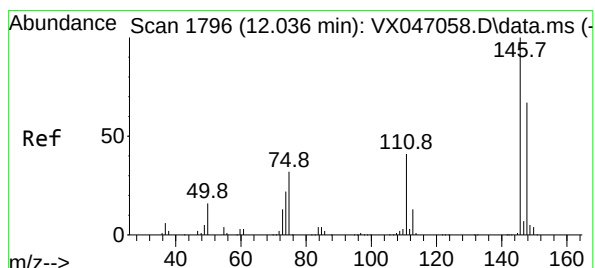
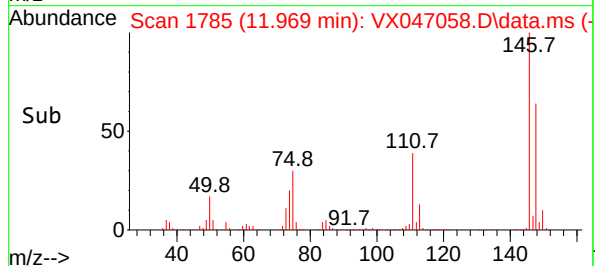
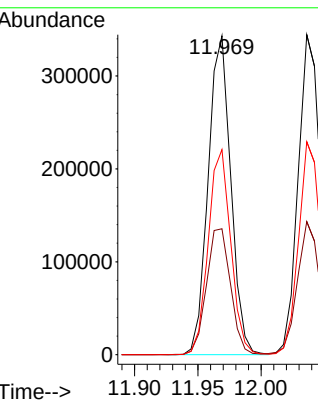
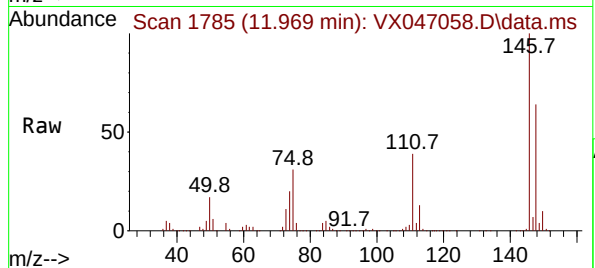
148 64.0 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#88

1,4-Dichlorobenzene

Concen: 51.978 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

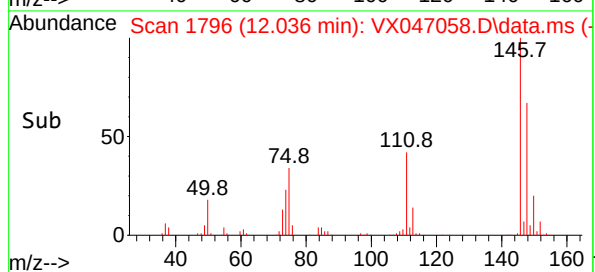
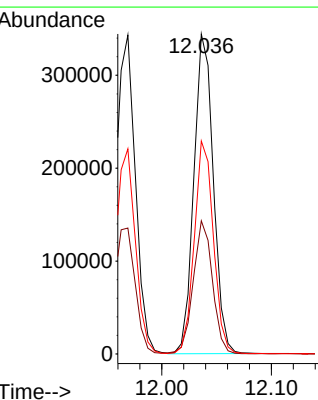
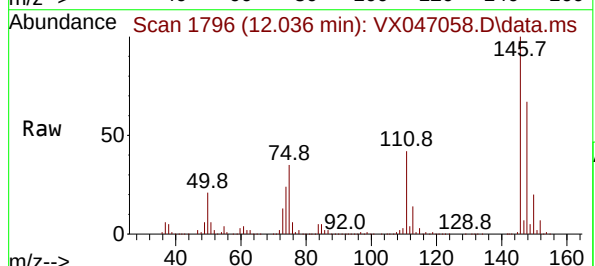
Tgt Ion:146 Resp: 423743

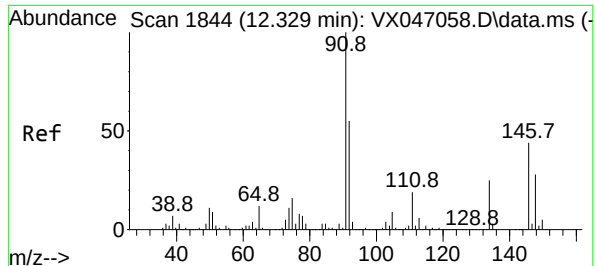
Ion Ratio Lower Upper

146 100

111 41.3 20.6 61.9

148 65.9 33.0 98.9





#89

n-Butylbenzene

Concen: 54.372 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 773500

Ion Ratio Lower Upper

91 100

92 55.0 27.5 82.5

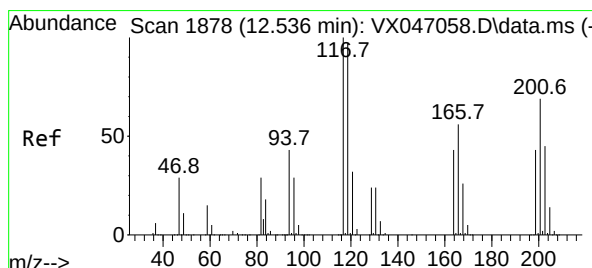
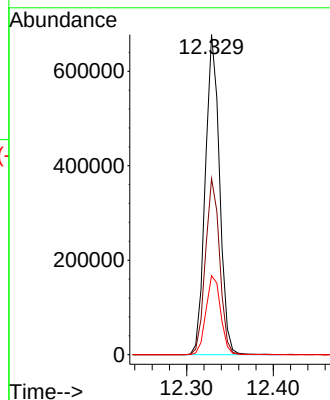
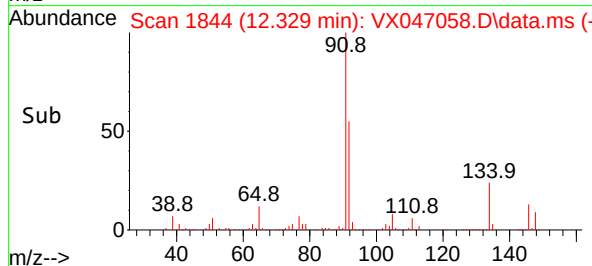
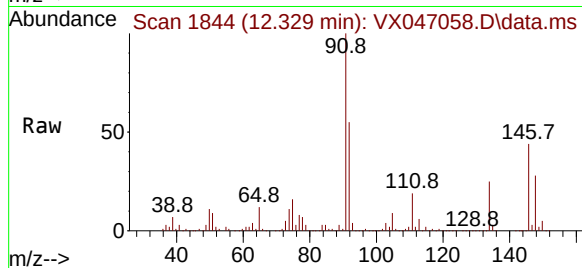
134 25.5 12.8 38.3

Manual Integrations

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Reviewed By :John Carbone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#90

Hexachloroethane

Concen: 54.011 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX047058.D

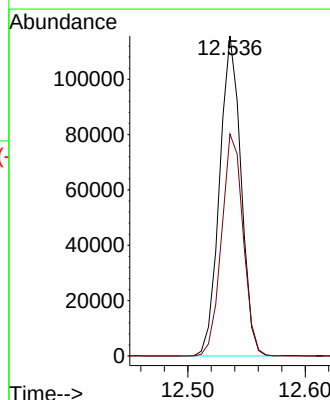
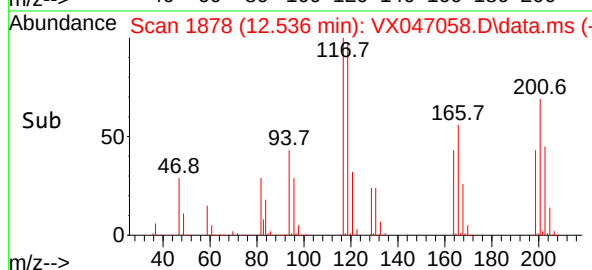
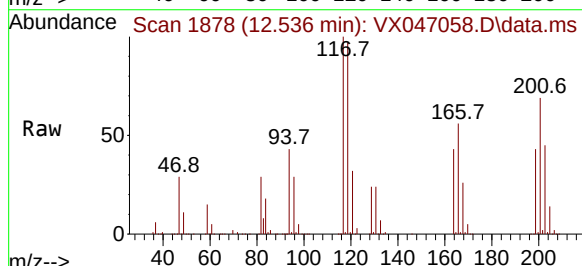
Acq: 21 Jul 2025 10:50

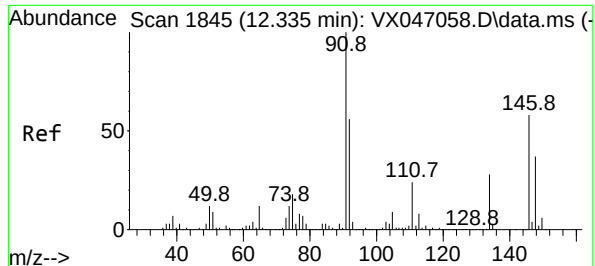
Tgt Ion:117 Resp: 146577

Ion Ratio Lower Upper

117 100

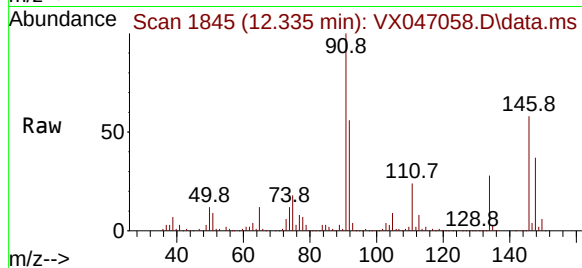
201 69.7 34.8 104.5





#91
1,2-Dichlorobenzene
Concen: 53.076 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

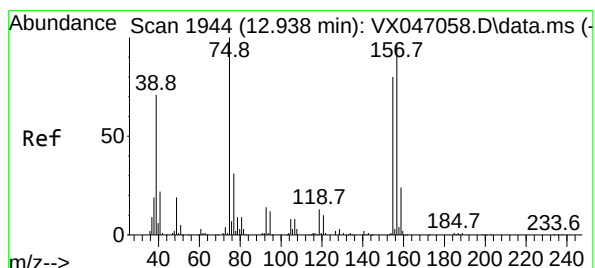
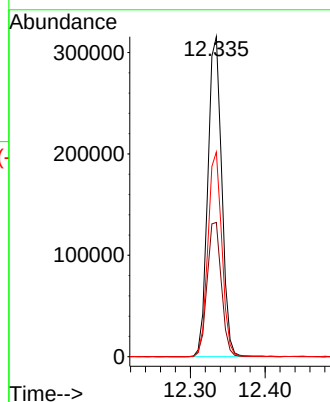
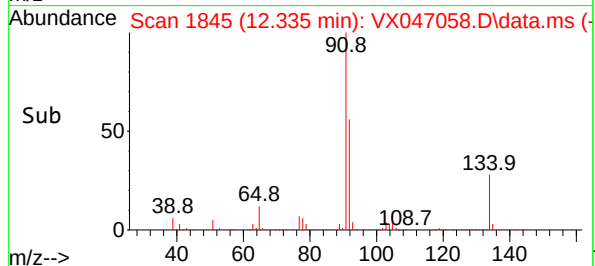
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:146 Resp: 408192
Ion Ratio Lower Upper
146 100
111 43.1 21.6 64.6
148 63.8 31.9 95.7

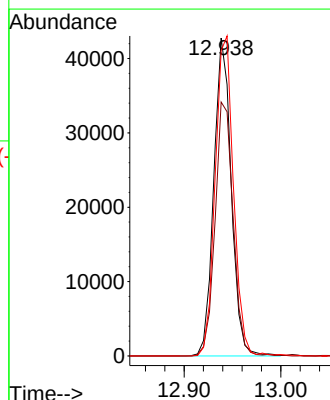
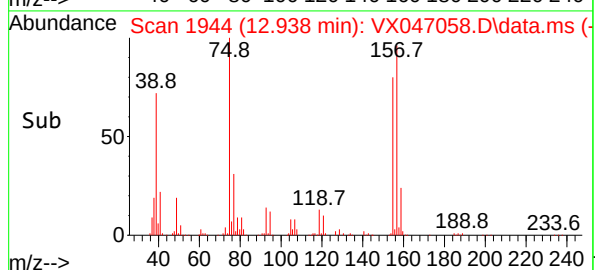
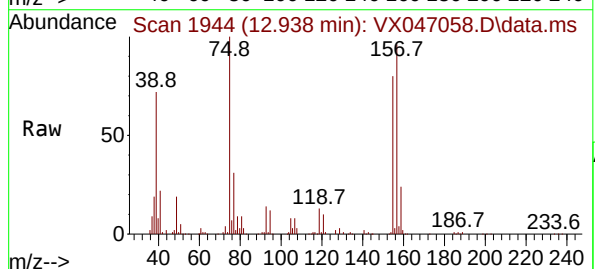
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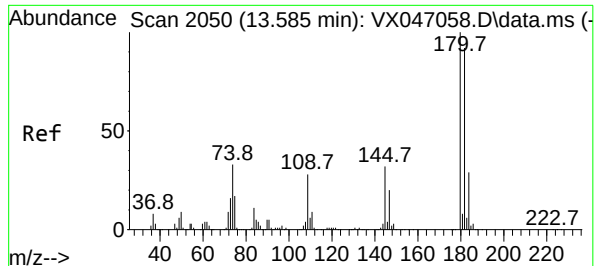
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 55.328 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 75 Resp: 53563
Ion Ratio Lower Upper
75 100
155 82.7 41.3 124.1
157 105.5 52.8 158.3





#93

1,2,4-Trichlorobenzene

Concen: 53.926 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 27401

Ion Ratio Lower Upper

180 100

182 94.5 47.3 141.8

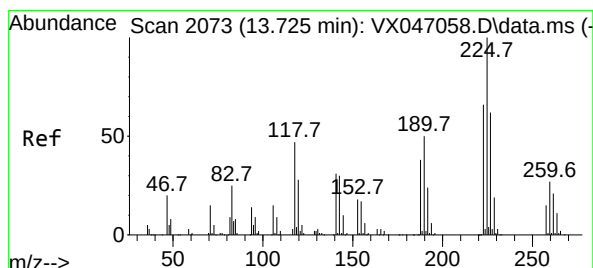
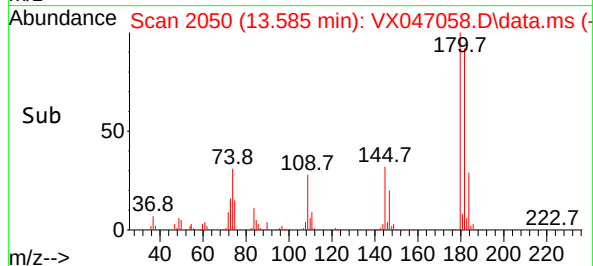
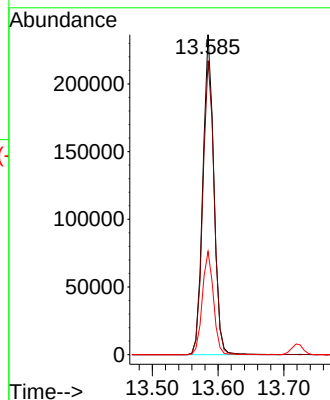
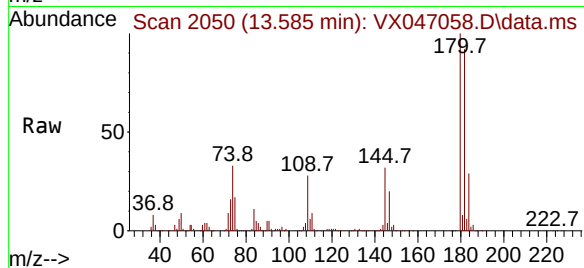
145 32.7 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#94

Hexachlorobutadiene

Concen: 52.553 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX047058.D

Acq: 21 Jul 2025 10:50

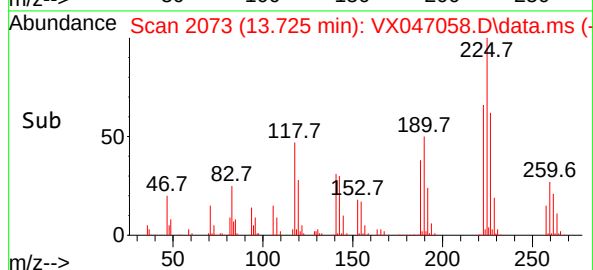
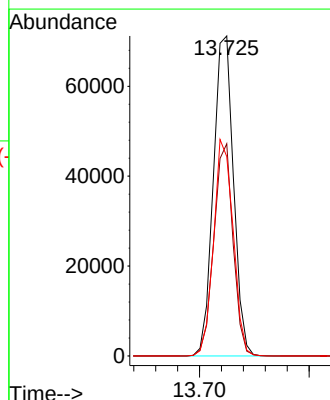
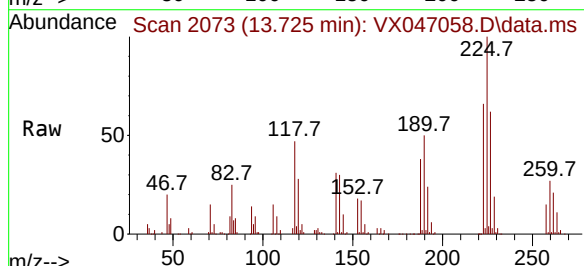
Tgt Ion:225 Resp: 90816

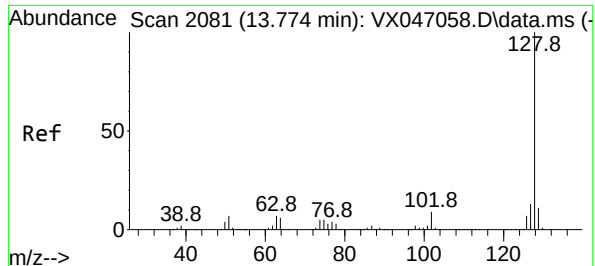
Ion Ratio Lower Upper

225 100

223 63.3 31.6 95.0

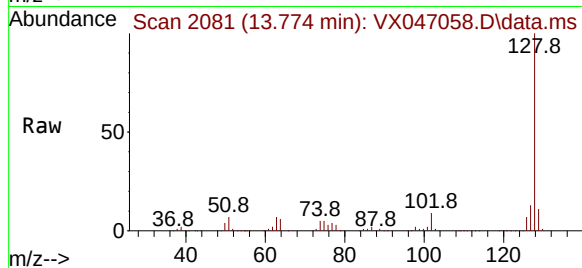
227 65.7 32.9 98.6





#95
Naphthalene
Concen: 56.390 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

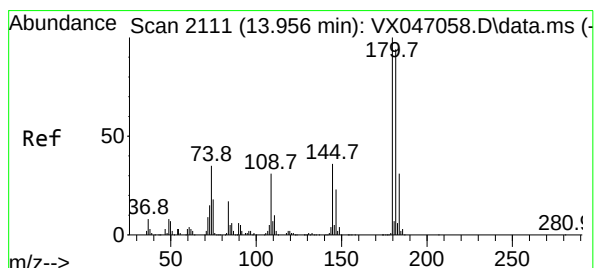
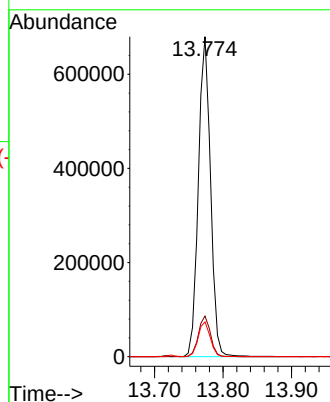
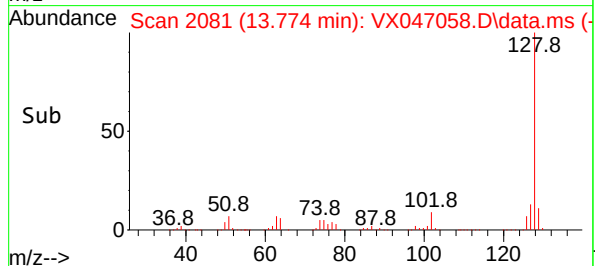
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 839990
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.8 8.6 13.0

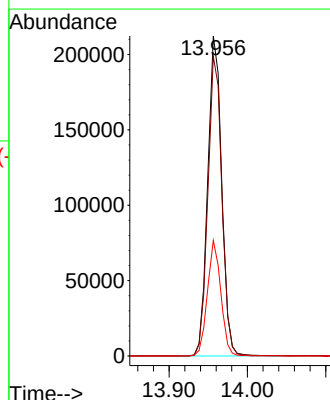
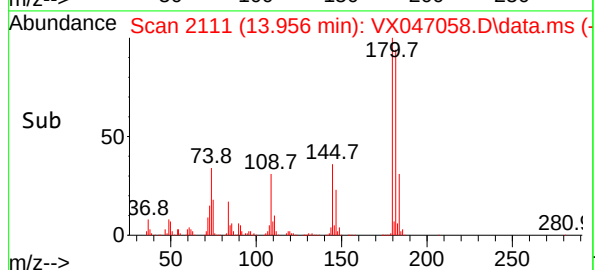
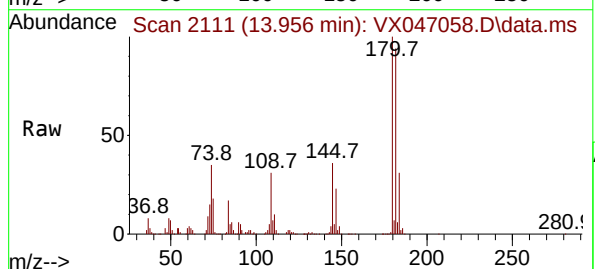
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.580 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:180 Resp: 262282
Ion Ratio Lower Upper
180 100
182 93.7 46.9 140.6
145 34.7 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047059.D
 Acq On : 21 Jul 2025 11:11
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:39:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	293211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	502636	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	443709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	358189	98.067	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 196.140%#			
35) Dibromofluoromethane	5.397	113	304077	97.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 195.960%#			
50) Toluene-d8	8.653	98	951189	94.642	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 189.280%#			
62) 4-Bromofluorobenzene	11.079	95	418790	96.692	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 193.380%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	422702	108.536	ug/l	98
3) Chloromethane	1.307	50	390958	101.483	ug/l	99
4) Vinyl Chloride	1.386	62	420036	101.428	ug/l	98
5) Bromomethane	1.611	94	207177	92.097	ug/l	96
6) Chloroethane	1.697	64	248151	91.235	ug/l	98
7) Trichlorofluoromethane	1.898	101	618083	100.093	ug/l	99
8) Diethyl Ether	2.148	74	214962	98.730	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.343	101	367465	98.771	ug/l	100
10) Methyl Iodide	2.465	142	421251	111.100	ug/l	99
11) Tert butyl alcohol	2.965	59	207609	496.373	ug/l	98
12) 1,1-Dichloroethene	2.337	96	365672	99.237	ug/l	96
13) Acrolein	2.245	56	390297	496.280	ug/l	99
14) Allyl chloride	2.678	41	668038	100.294	ug/l	99
15) Acrylonitrile	3.075	53	895719	514.199	ug/l	99
16) Acetone	2.386	43	680698	465.214	ug/l	99
17) Carbon Disulfide	2.526	76	1045599	98.086	ug/l	100
18) Methyl Acetate	2.715	43	381521	98.118	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	1109184	98.907	ug/l	100
20) Methylene Chloride	2.806	84	382904	95.122	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	370810	98.339	ug/l	97
22) Diisopropyl ether	3.770	45	1246566	97.342	ug/l	99
23) Vinyl Acetate	3.733	43	5255654	511.682	ug/l	100
24) 1,1-Dichloroethane	3.623	63	690059	96.903	ug/l	99
25) 2-Butanone	4.562	43	1064894	499.825	ug/l	99
26) 2,2-Dichloropropane	4.489	77	534633	96.986	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	433236	97.026	ug/l	99
28) Bromochloromethane	4.910	49	327531	99.974	ug/l	100
29) Tetrahydrofuran	5.013	42	696538	506.702	ug/l	99
30) Chloroform	5.105	83	688904	95.036	ug/l	98
31) Cyclohexane	5.483	56	644257	94.354	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	610295	96.931	ug/l	99
36) 1,1-Dichloropropene	5.702	75	486962	92.052	ug/l	99
37) Ethyl Acetate	4.721	43	464215	99.573	ug/l	99
38) Carbon Tetrachloride	5.690	117	534117	94.597	ug/l	99
39) Methylcyclohexane	7.385	83	643495	97.426	ug/l	98
40) Benzene	6.050	78	1458721	95.282	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047059.D
 Acq On : 21 Jul 2025 11:11
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:39:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	266722	104.648	ug/l	99
42) 1,2-Dichloroethane	6.092	62	514986	95.493	ug/l	99
43) Isopropyl Acetate	6.342	43	782743	103.002	ug/l	99
44) Trichloroethene	7.129	130	372515	94.887	ug/l	99
45) 1,2-Dichloropropane	7.434	63	364769	95.131	ug/l	97
46) Dibromomethane	7.586	93	262070	97.464	ug/l	100
47) Bromodichloromethane	7.824	83	545715	95.349	ug/l	98
48) Methyl methacrylate	7.696	41	406578	98.210	ug/l	100
49) 1,4-Dioxane	7.659	88	97685	2074.633	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	2213299	490.000	ug/l	100
52) Toluene	8.720	92	900379	95.648	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	550435	101.846	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	595662	100.700	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	333552	94.482	ug/l	99
56) Ethyl methacrylate	9.116	69	546929	104.649	ug/l	99
57) 1,3-Dichloropropane	9.311	76	579525	94.454	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	1489901	512.296	ug/l	100
59) 2-Hexanone	9.433	43	1534390	514.162	ug/l	99
60) Dibromochloromethane	9.519	129	400453	96.718	ug/l	100
61) 1,2-Dibromoethane	9.610	107	350348	94.909	ug/l	99
64) Tetrachloroethene	9.275	164	299042	93.490	ug/l	96
65) Chlorobenzene	10.079	112	988883	95.134	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	338141	96.621	ug/l	99
67) Ethyl Benzene	10.195	91	1752485	96.425	ug/l	99
68) m/p-Xylenes	10.299	106	1302405	191.494	ug/l	99
69) o-Xylene	10.640	106	624795	96.565	ug/l	99
70) Styrene	10.652	104	1072801	96.694	ug/l	100
71) Bromoform	10.799	173	259124	97.473	ug/l #	99
73) Isopropylbenzene	10.963	105	1645804	99.034	ug/l	100
74) N-amyl acetate	10.841	43	698465	105.369	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	457057	96.283	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	380871m	97.686	ug/l	
77) Bromobenzene	11.195	156	389788	97.789	ug/l	99
78) n-propylbenzene	11.305	91	1945548	97.969	ug/l	99
79) 2-Chlorotoluene	11.366	91	1150165	96.889	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	1340151	97.612	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	158030	104.426	ug/l	97
82) 4-Chlorotoluene	11.451	91	1340796	96.766	ug/l	99
83) tert-Butylbenzene	11.713	119	1347206	97.765	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	1346982	98.362	ug/l	99
85) sec-Butylbenzene	11.890	105	1682208	97.702	ug/l	100
86) p-Isopropyltoluene	12.006	119	1404678	98.379	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	717851	94.782	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	726014	94.617	ug/l	98
89) n-Butylbenzene	12.329	91	1323274	98.826	ug/l	100
90) Hexachloroethane	12.536	117	260929	102.152	ug/l	100
91) 1,2-Dichlorobenzene	12.329	146	684462	94.557	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	97209	106.683	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	481866	100.755	ug/l	100
94) Hexachlorobutadiene	13.725	225	165153	101.539	ug/l	98
95) Naphthalene	13.774	128	1474039	105.135	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	464244	100.760	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

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

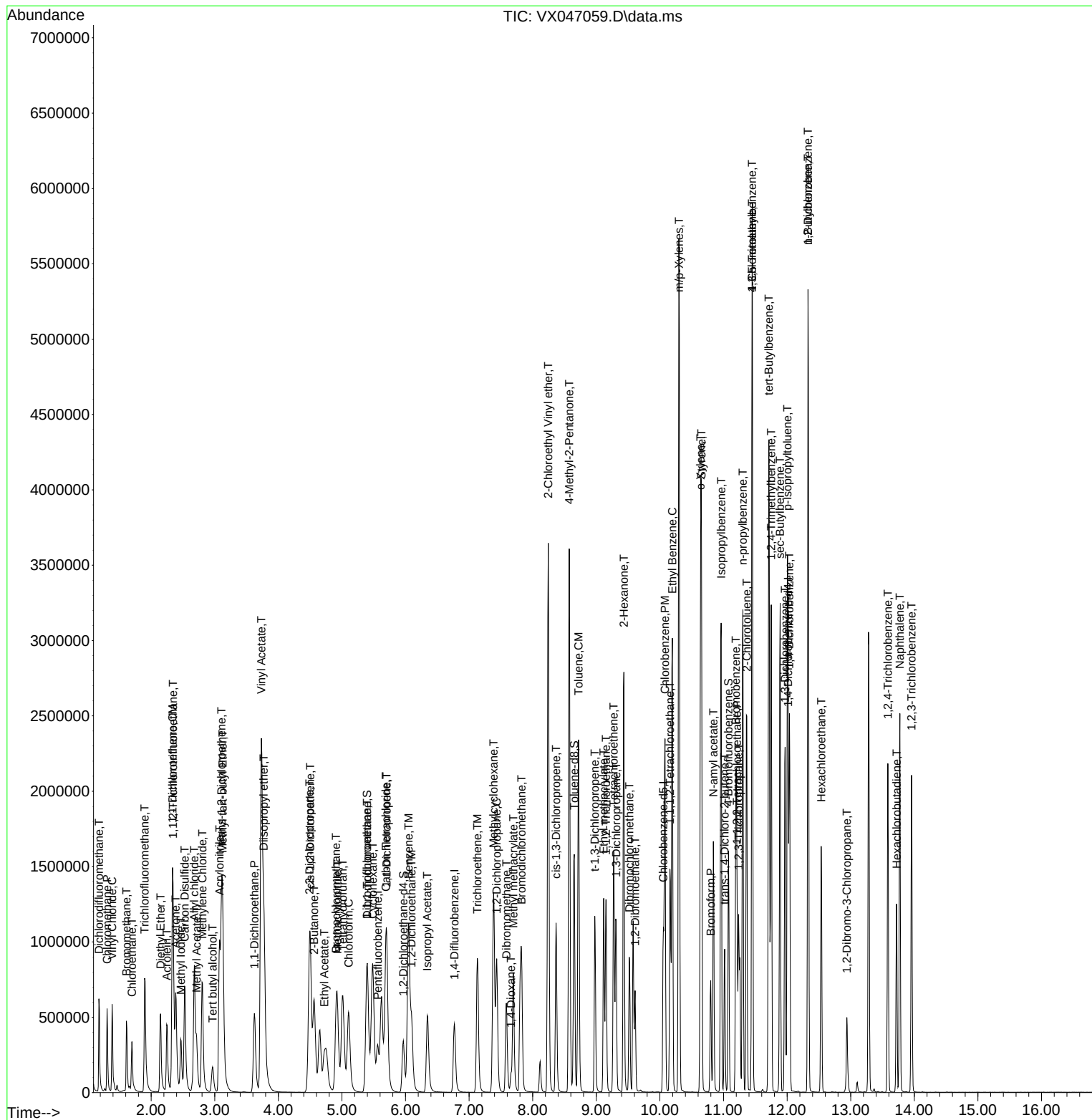
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Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

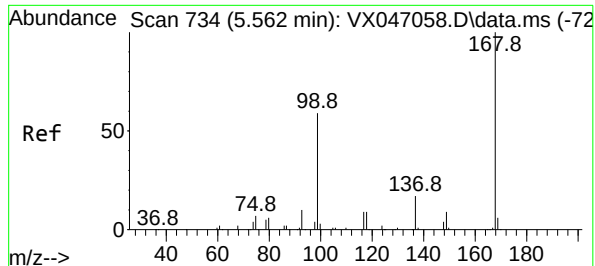
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

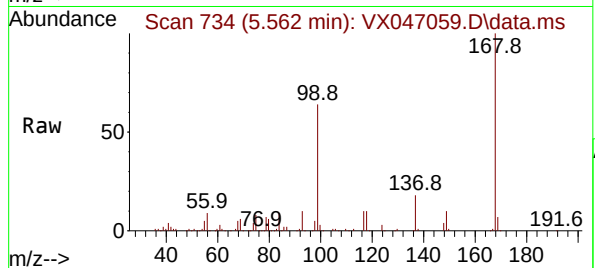
Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

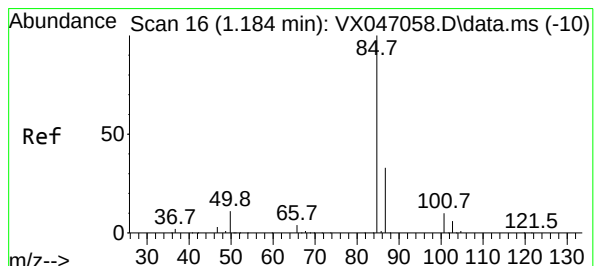
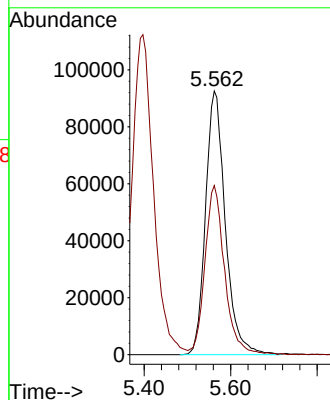
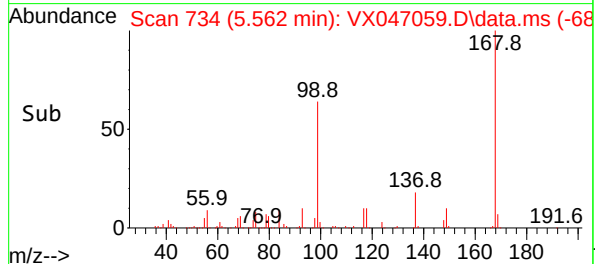
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:168 Resp: 29321
Ion Ratio Lower Upper
168 100
99 63.8 48.0 72.0

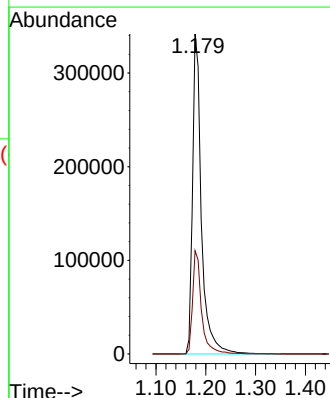
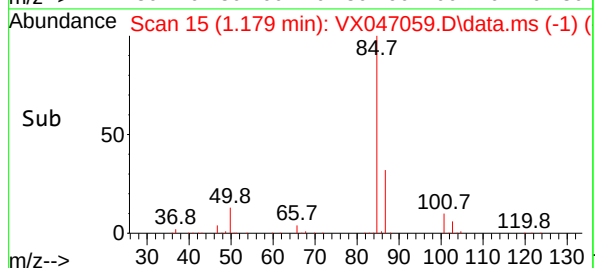
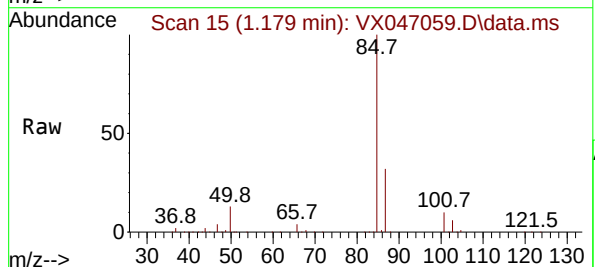
Manual Integrations
APPROVED

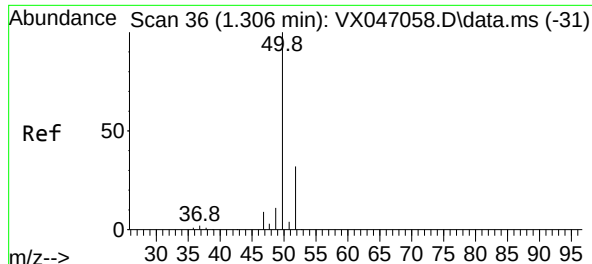
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#2
Dichlorodifluoromethane
Concen: 108.536 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 85 Resp: 422702
Ion Ratio Lower Upper
85 100
87 32.3 16.6 49.8





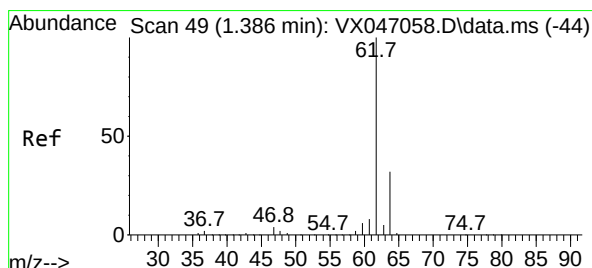
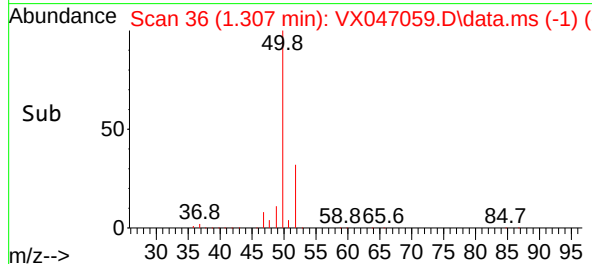
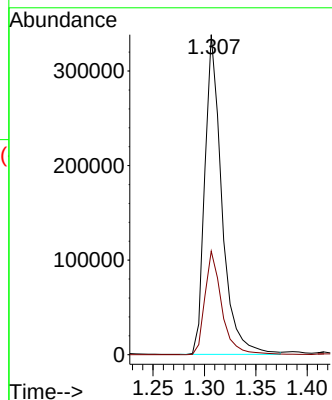
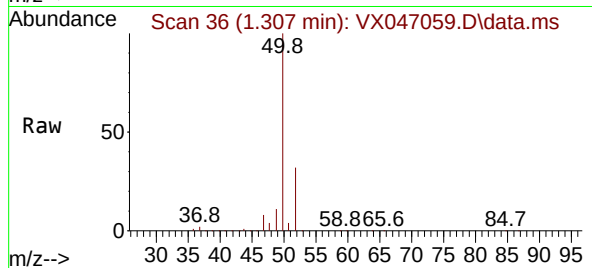
#3
Chloromethane
Concen: 101.483 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 390958
Ion Ratio Lower Upper
50 100
52 32.4 25.4 38.2

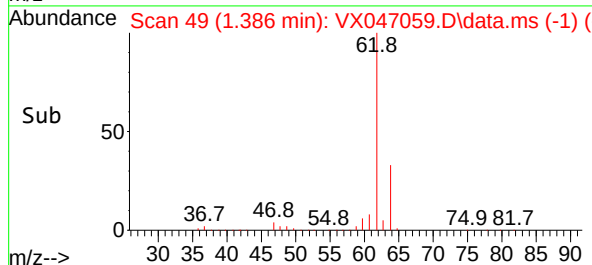
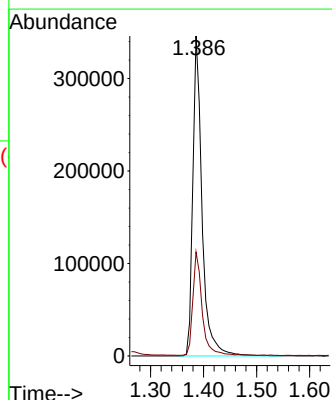
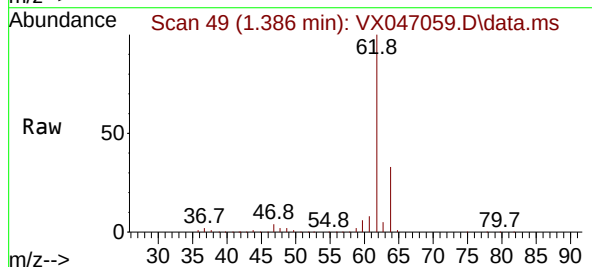
Manual Integrations
APPROVED

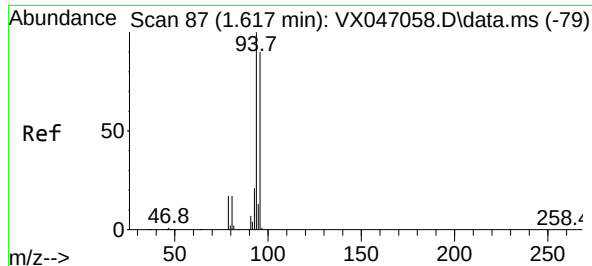
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#4
Vinyl Chloride
Concen: 101.428 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

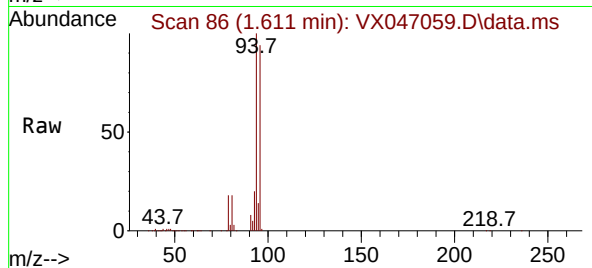
Tgt Ion: 62 Resp: 420036
Ion Ratio Lower Upper
62 100
64 32.3 25.2 37.8





#5
Bromomethane
Concen: 92.097 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

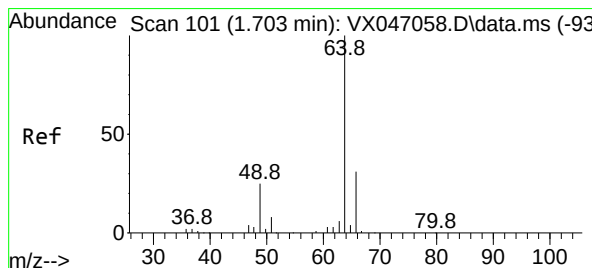
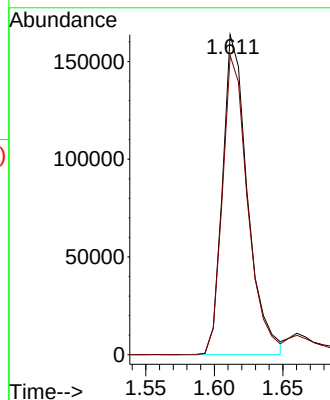
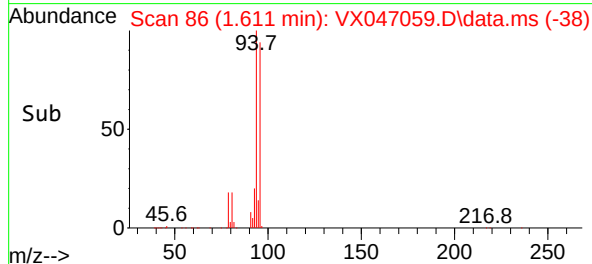
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 94 Resp: 20717
Ion Ratio Lower Upper
94 100
96 94.6 72.3 108.5

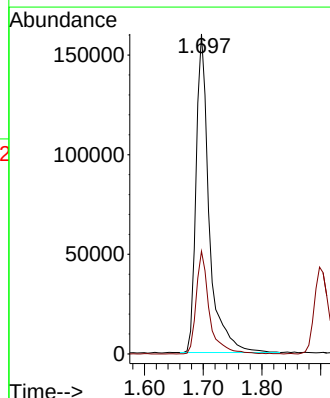
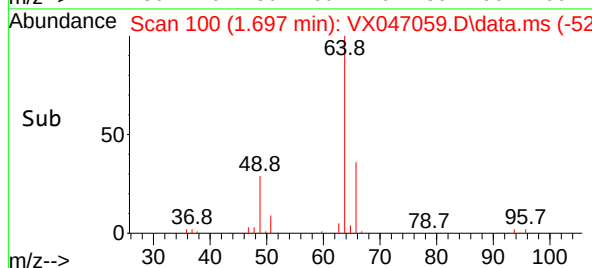
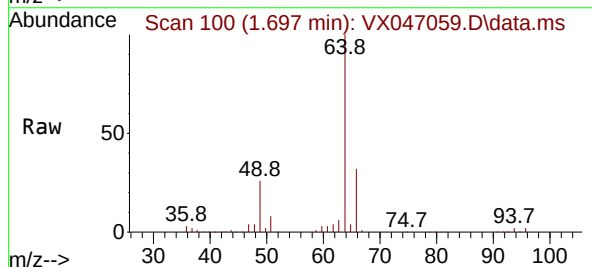
Manual Integrations
APPROVED

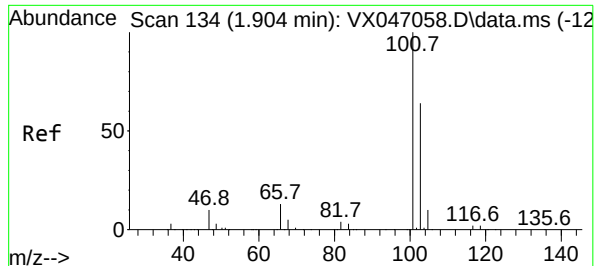
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#6
Chloroethane
Concen: 91.235 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 64 Resp: 248151
Ion Ratio Lower Upper
64 100
66 32.2 25.0 37.6





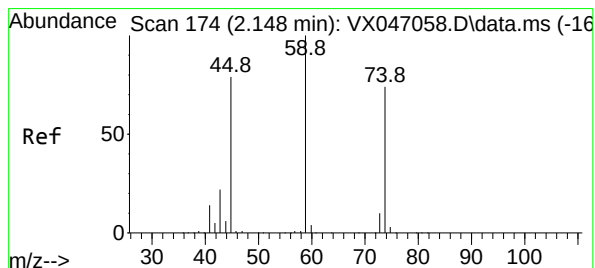
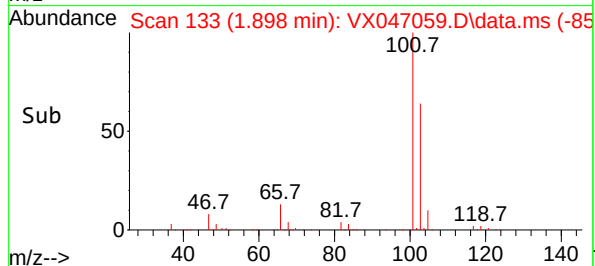
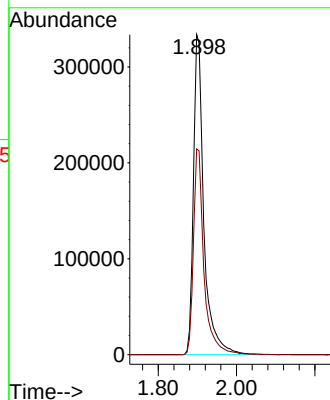
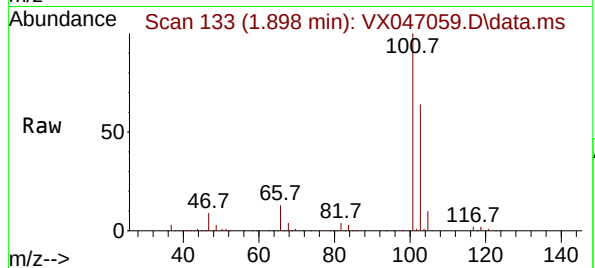
#7
Trichlorofluoromethane
Concen: 100.093 ug/l
RT: 1.898 min Scan# 134
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 61808
Ion Ratio Lower Upper
101 100
103 64.3 50.9 76.3

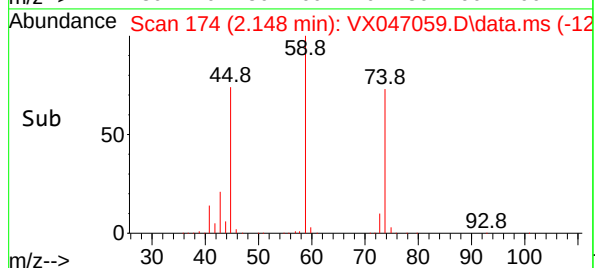
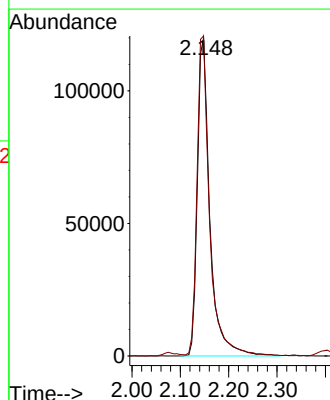
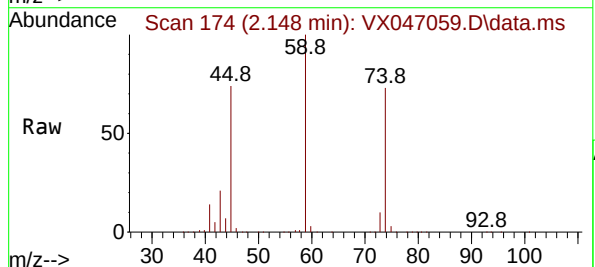
Manual Integrations
APPROVED

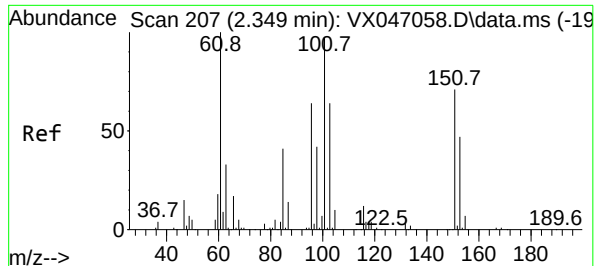
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#8
Diethyl Ether
Concen: 98.730 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

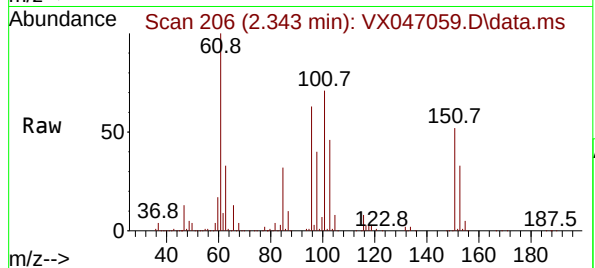
Tgt Ion: 74 Resp: 214962
Ion Ratio Lower Upper
74 100
45 101.2 53.0 159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 98.771 ug/l
RT: 2.343 min Scan# 206
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

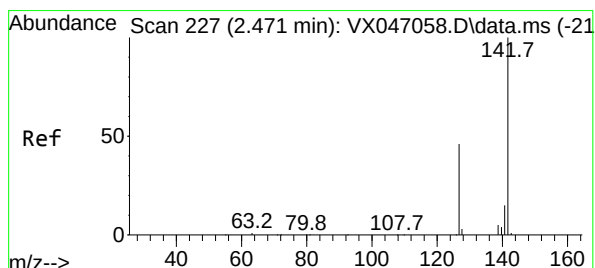
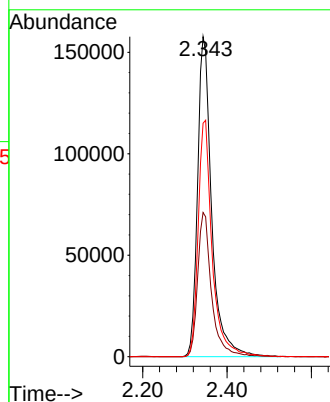
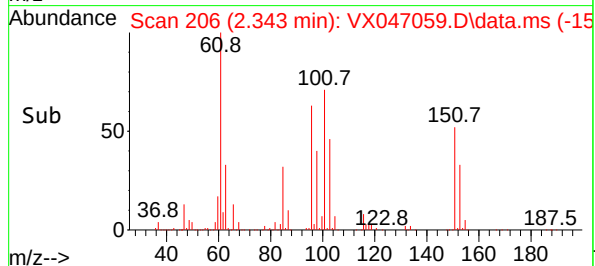
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 36746
Ion Ratio Lower Upper
101 100
85 44.5 35.4 53.0
151 73.7 59.2 88.8

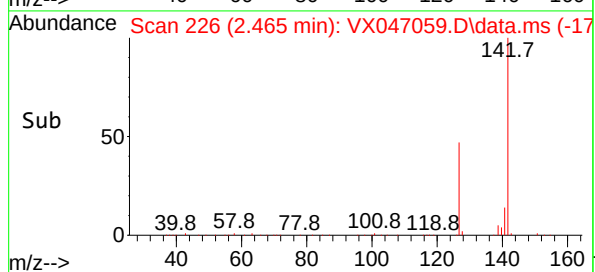
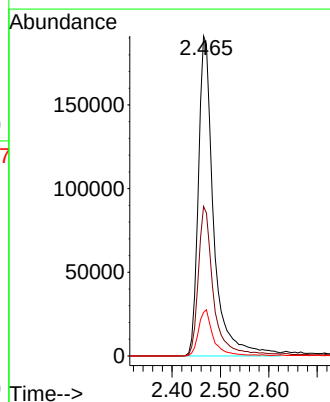
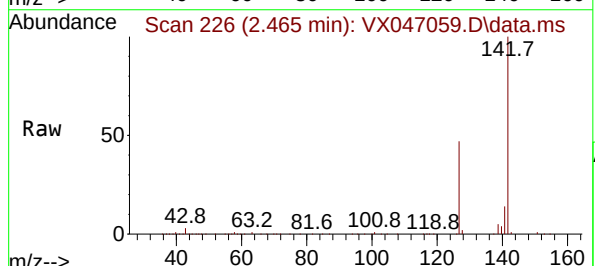
Manual Integrations
APPROVED

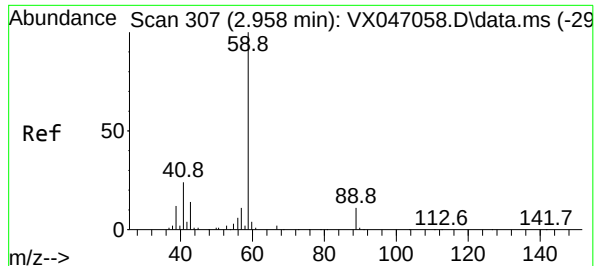
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#10
Methyl Iodide
Concen: 111.100 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:142 Resp: 421251
Ion Ratio Lower Upper
142 100
127 46.5 36.6 54.8
141 13.7 10.9 16.3





#11

Tert butyl alcohol

Concen: 496.373 ug/l

RT: 2.965 min Scan# 307

Delta R.T. 0.007 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 207609

Ion Ratio Lower Upper

59 100

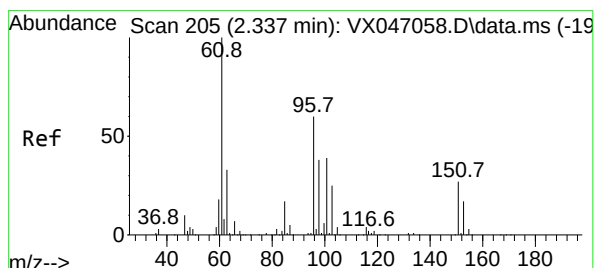
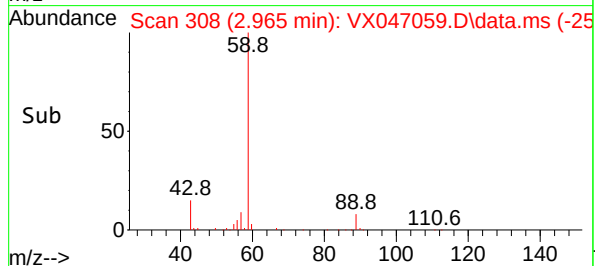
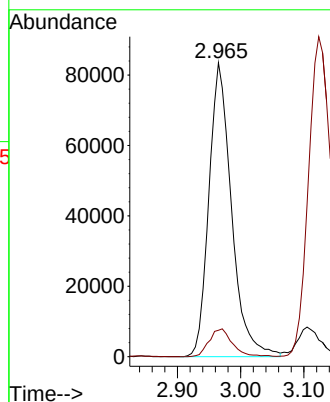
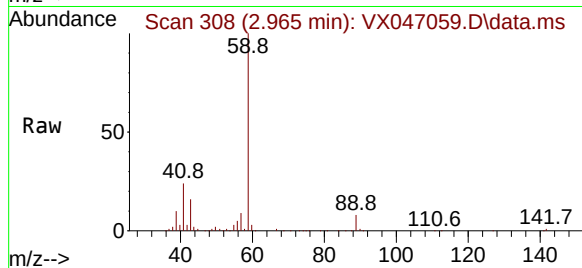
57 9.8 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#12

1,1-Dichloroethene

Concen: 99.237 ug/l

RT: 2.337 min Scan# 205

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

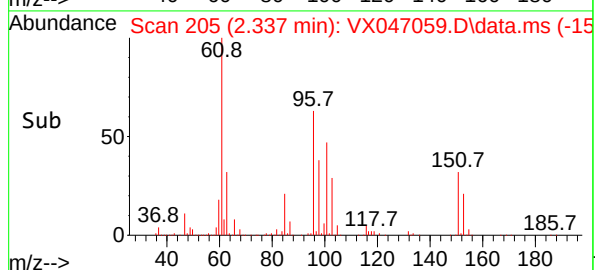
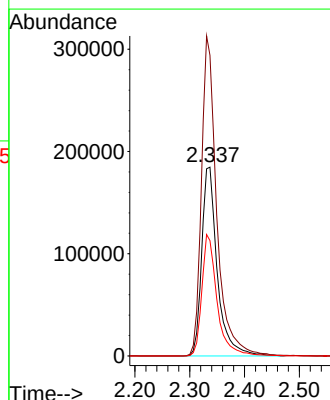
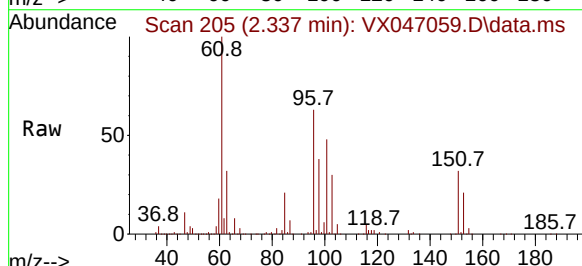
Tgt Ion: 96 Resp: 365672

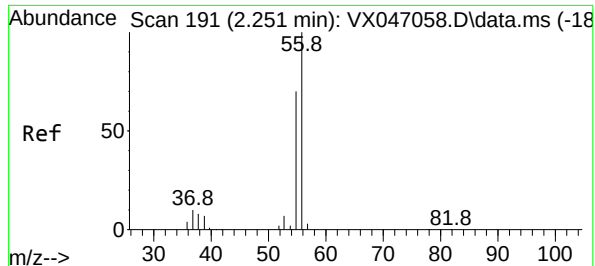
Ion Ratio Lower Upper

96 100

61 159.2 132.6 198.8

98 61.1 50.2 75.4





#13

Acrolein

Concen: 496.280 ug/l

RT: 2.245 min Scan# 191

Delta R.T. -0.006 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 39029

Ion Ratio Lower Upper

56 100

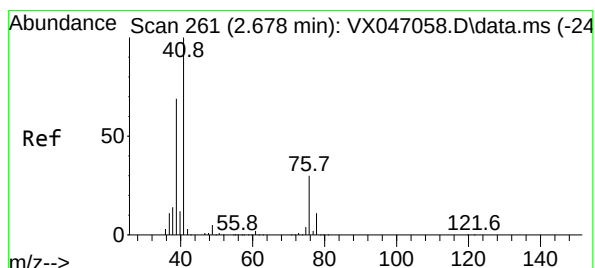
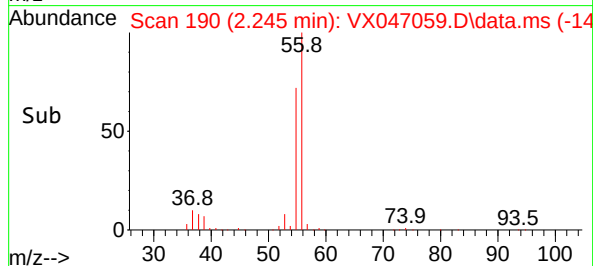
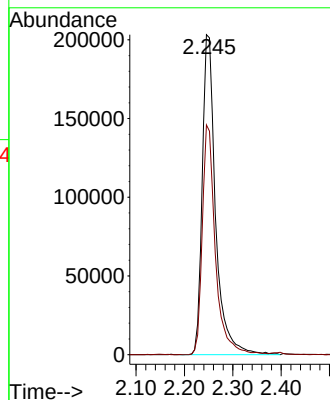
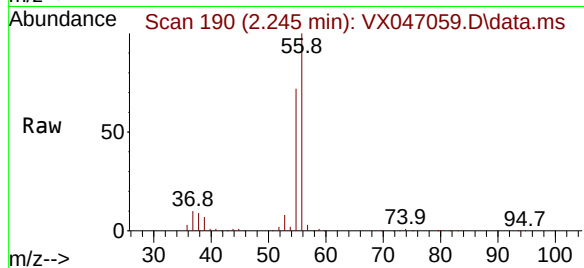
55 70.6 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#14

Allyl chloride

Concen: 100.294 ug/l

RT: 2.678 min Scan# 261

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

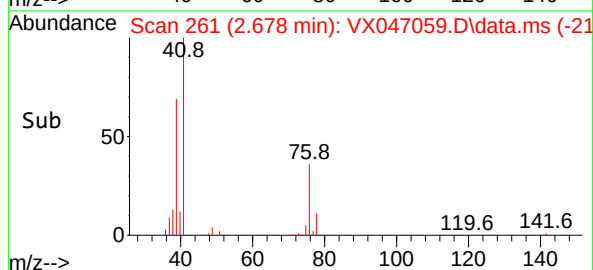
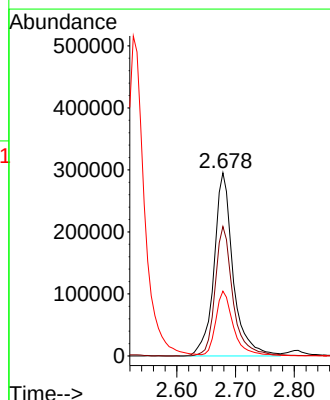
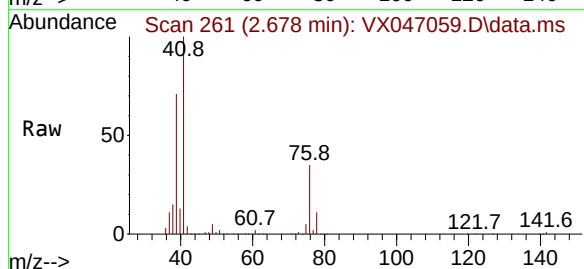
Tgt Ion: 41 Resp: 668038

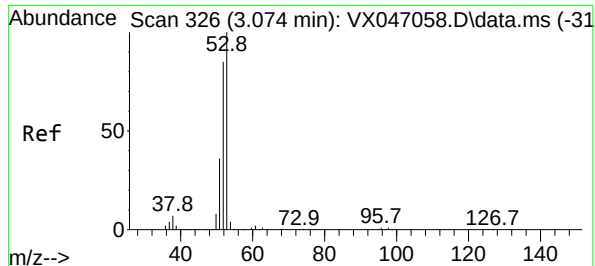
Ion Ratio Lower Upper

41 100

39 66.1 52.6 78.8

76 32.9 25.7 38.5





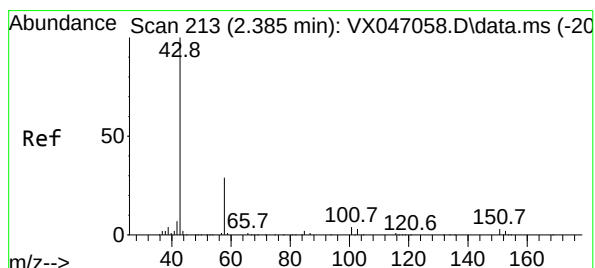
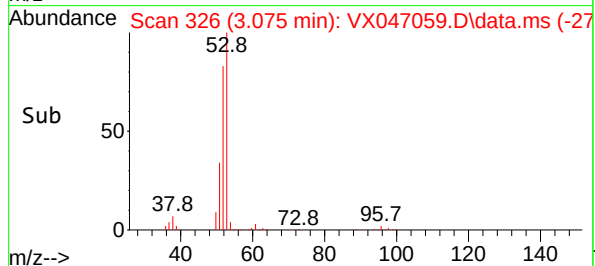
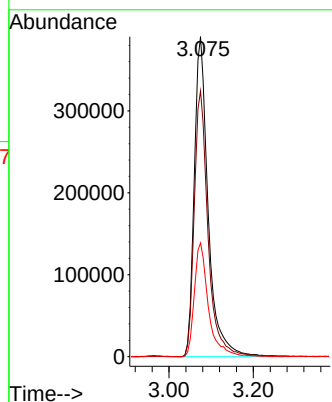
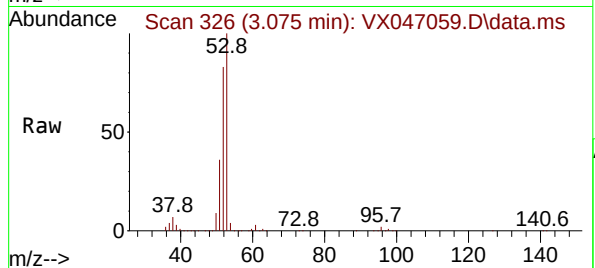
#15
Acrylonitrile
Concen: 514.199 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 895719
Ion Ratio Lower Upper
53 100
52 82.7 65.7 98.5
51 36.3 28.8 43.2

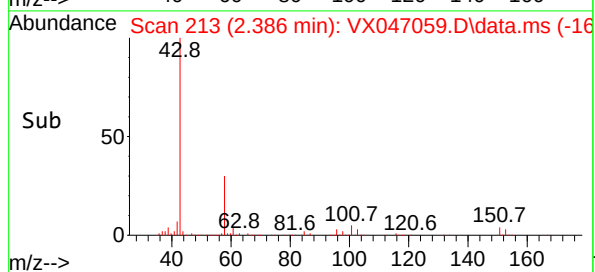
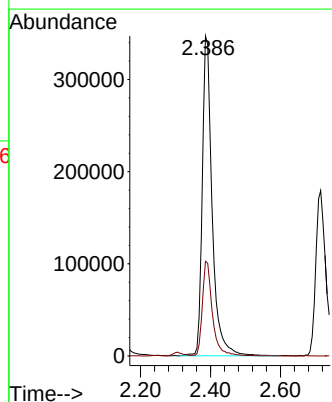
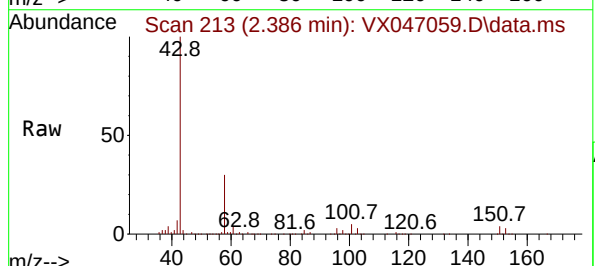
Manual Integrations
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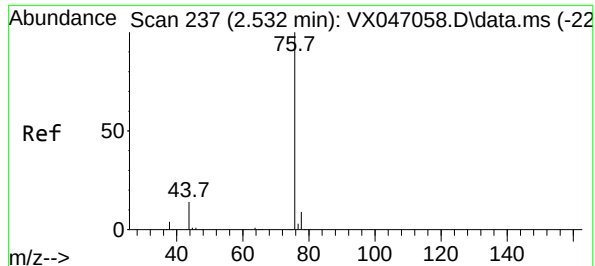
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#16
Acetone
Concen: 465.214 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 43 Resp: 680698
Ion Ratio Lower Upper
43 100
58 29.7 24.0 36.0





#17

Carbon Disulfide

Concen: 98.086 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 104559

Ion Ratio Lower Upper

76 100

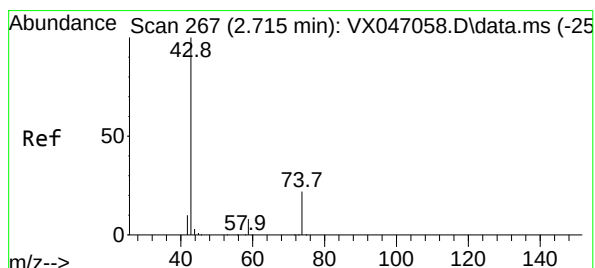
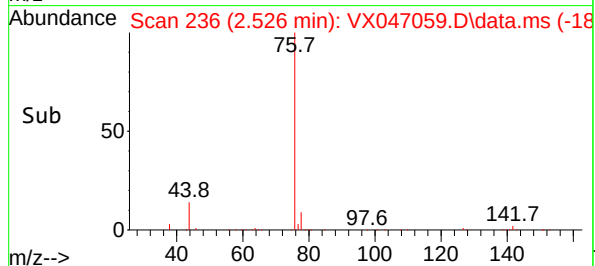
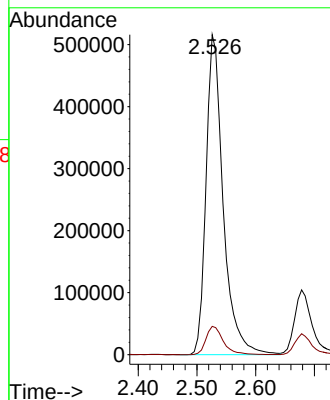
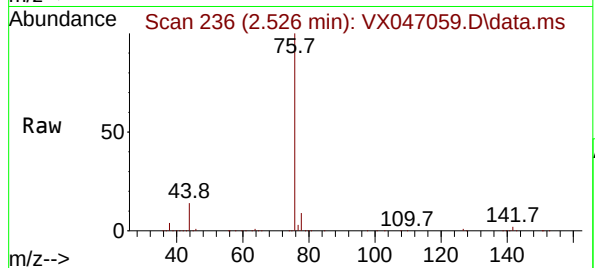
78 8.8 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#18

Methyl Acetate

Concen: 98.118 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.000 min

Lab File: VX047059.D

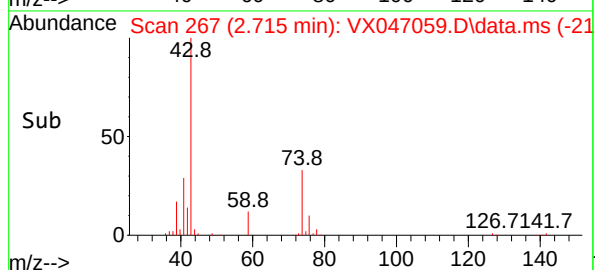
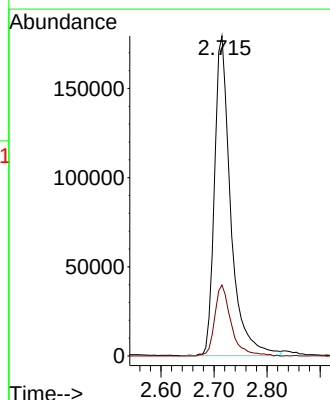
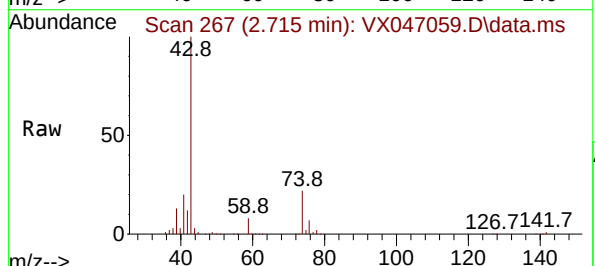
Acq: 21 Jul 2025 11:11

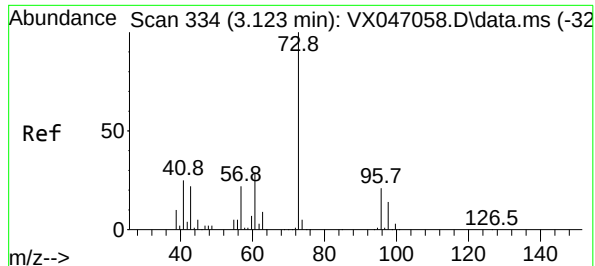
Tgt Ion: 43 Resp: 381521

Ion Ratio Lower Upper

43 100

74 22.5 17.7 26.5





#19

Methyl tert-butyl Ether

Concen: 98.907 ug/l

RT: 3.123 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 1109184

Ion Ratio Lower Upper

73 100

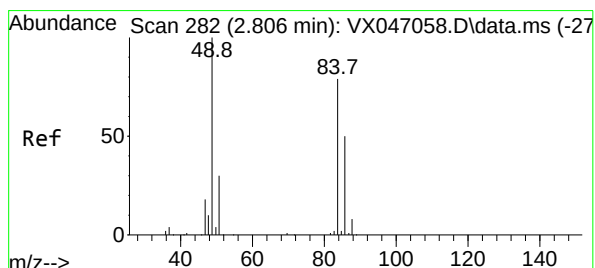
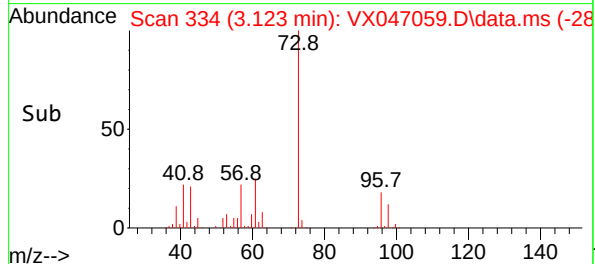
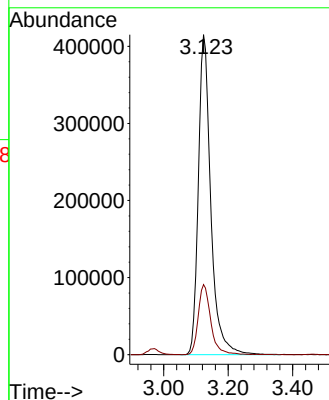
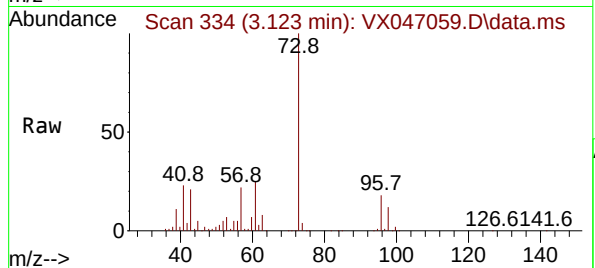
57 21.9 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#20

Methylene Chloride

Concen: 95.122 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Tgt Ion: 84 Resp: 382904

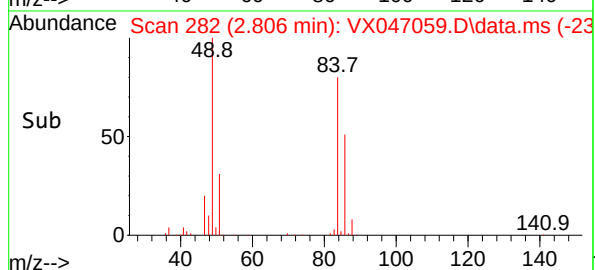
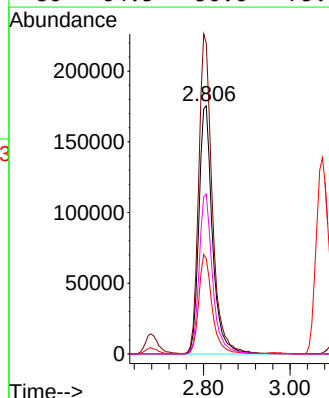
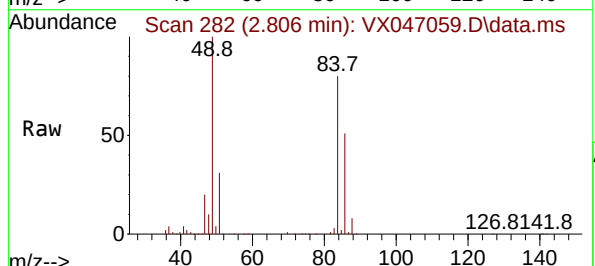
Ion Ratio Lower Upper

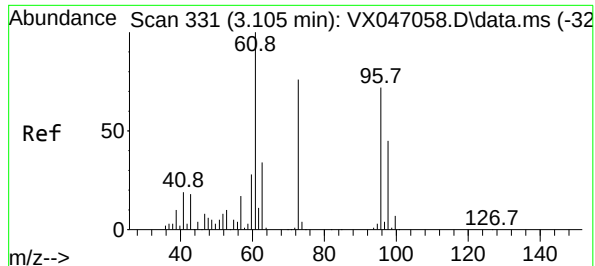
84 100

49 125.1 101.6 152.4

51 38.3 30.3 45.5

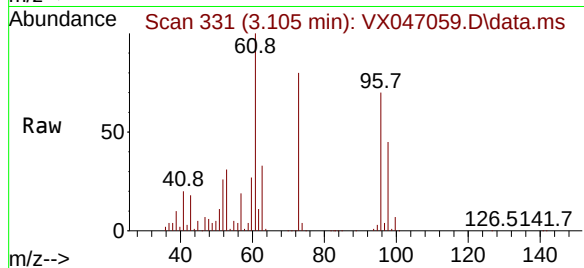
86 64.5 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 98.339 ug/l
RT: 3.105 min Scan# 331
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

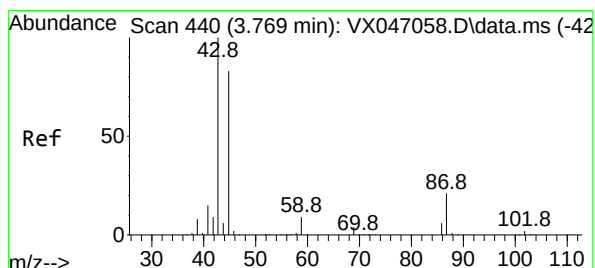
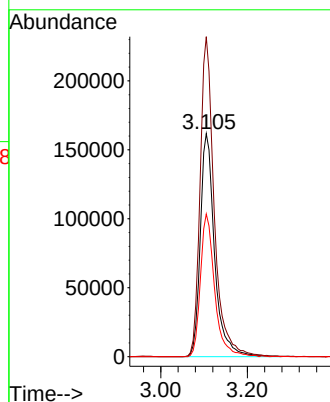
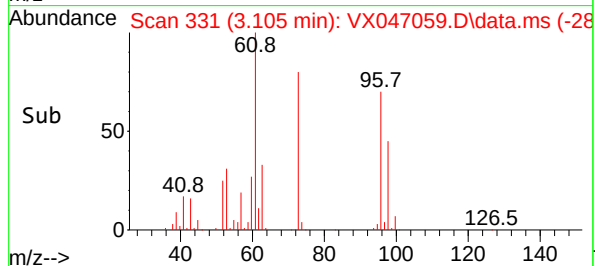
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion: 96 Resp: 370810
Ion Ratio Lower Upper
96 100
61 143.5 111.1 166.7
98 64.0 49.6 74.4

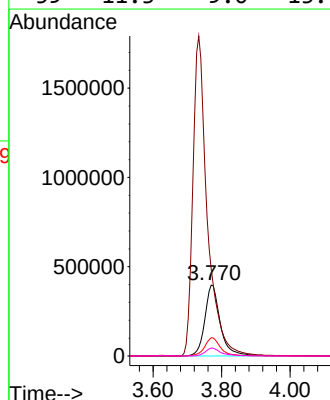
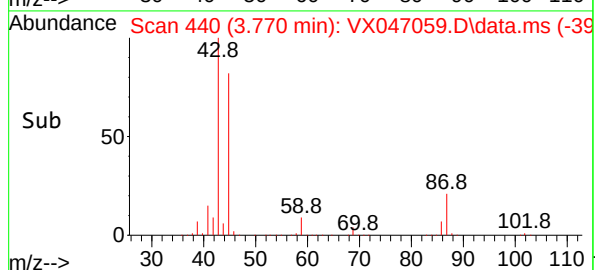
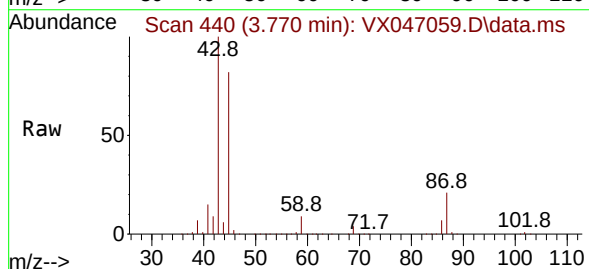
Manual Integrations
APPROVED

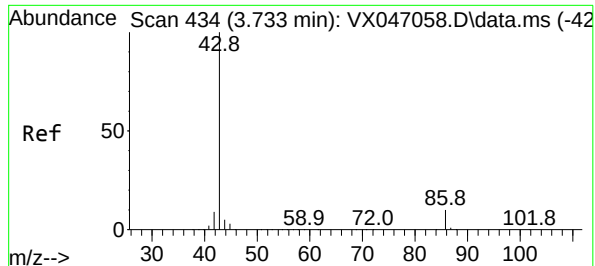
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#22
Diisopropyl ether
Concen: 97.342 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 45 Resp: 1246566
Ion Ratio Lower Upper
45 100
43 121.8 96.8 145.2
87 25.7 20.5 30.7
59 11.3 9.0 13.4





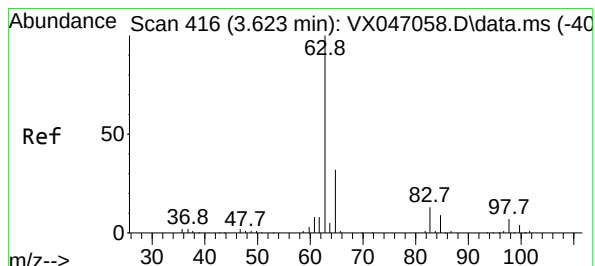
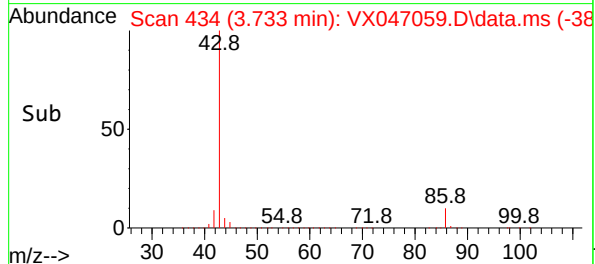
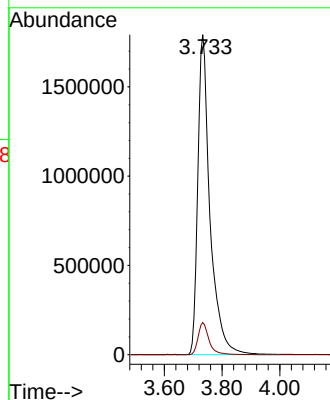
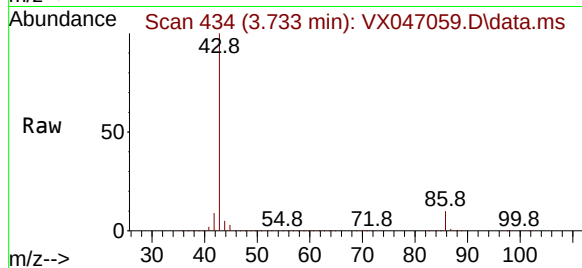
#23
Vinyl Acetate
Concen: 511.682 ug/l
RT: 3.733 min Scan# 411
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 5255654
Ion Ratio Lower Upper
43 100
86 10.1 8.1 12.1

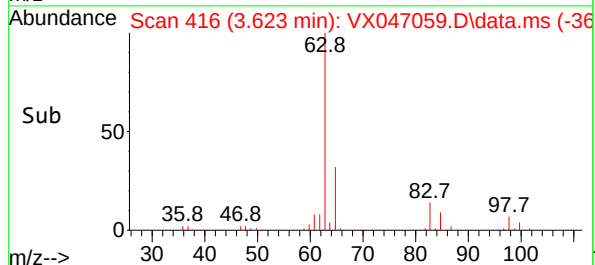
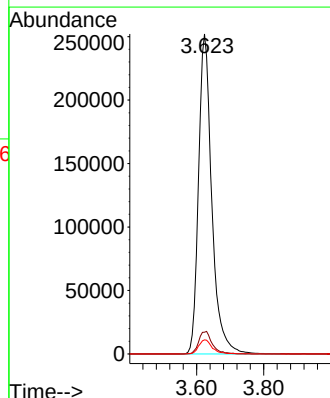
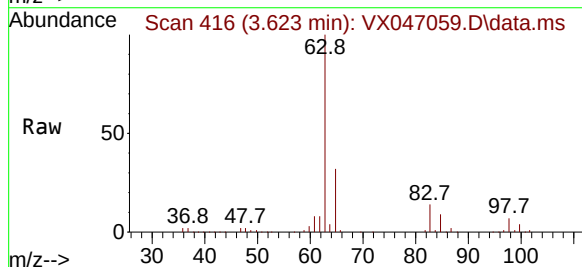
Manual Integrations
APPROVED

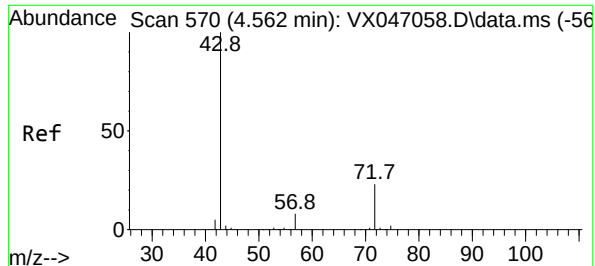
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#24
1,1-Dichloroethane
Concen: 96.903 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

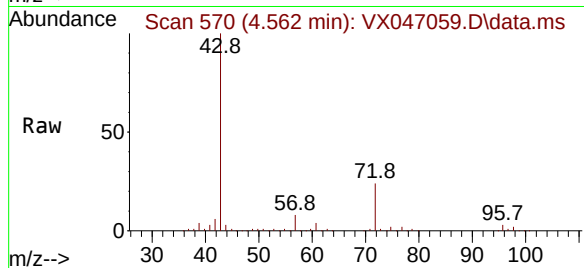
Tgt Ion: 63 Resp: 690059
Ion Ratio Lower Upper
63 100
98 6.8 3.6 10.8
100 4.4 2.3 6.8





#25
2-Butanone
Concen: 499.825 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

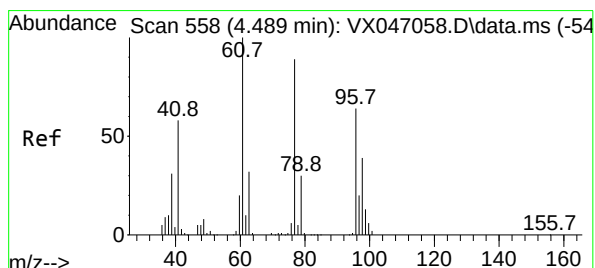
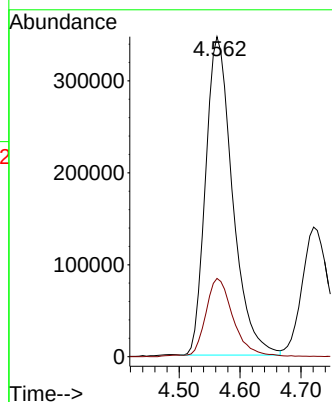
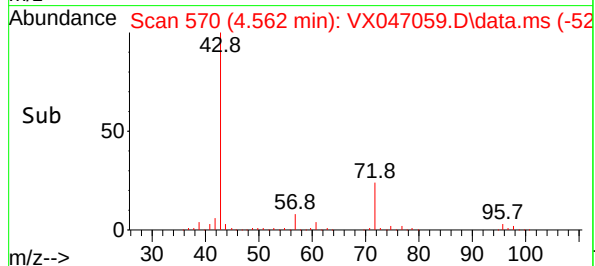
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion: 43 Resp: 1064894
Ion Ratio Lower Upper
43 100
72 24.2 18.8 28.2

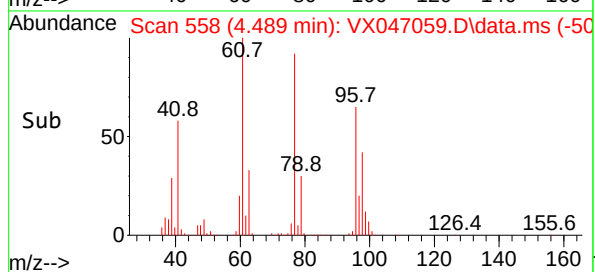
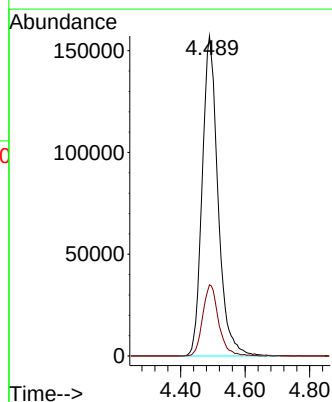
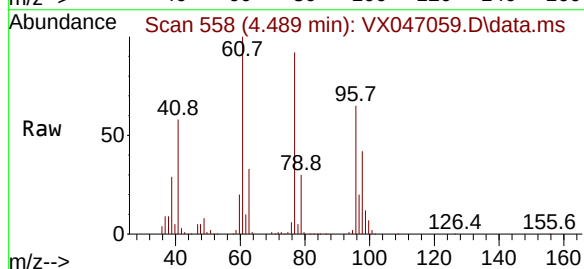
Manual Integrations
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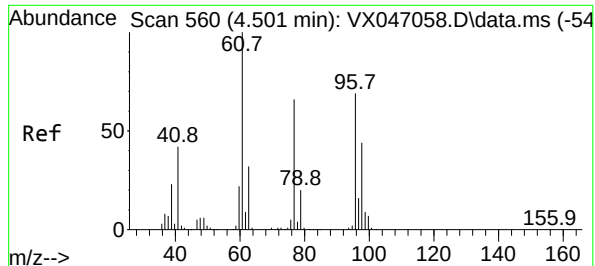
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#26
2,2-Dichloropropane
Concen: 96.986 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 77 Resp: 534633
Ion Ratio Lower Upper
77 100
97 22.4 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 97.026 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 433230

Ion Ratio Lower Upper

96 100

61 147.5 0.0 298.6

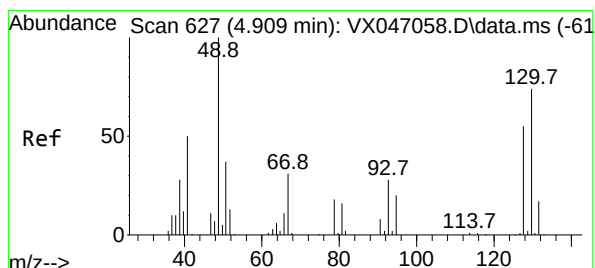
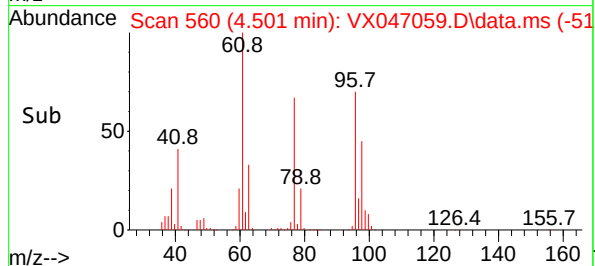
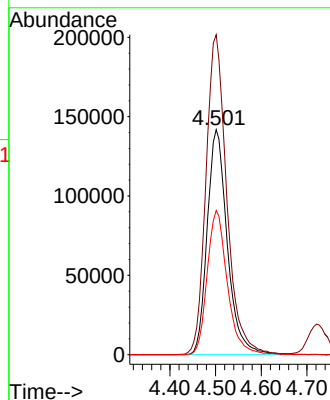
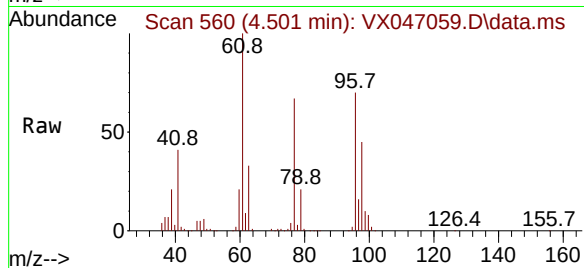
98 64.3 0.0 128.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#28

Bromochloromethane

Concen: 99.974 ug/l

RT: 4.910 min Scan# 627

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

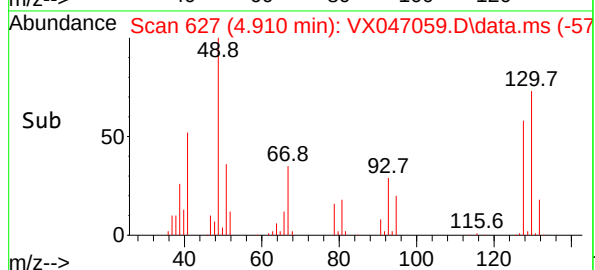
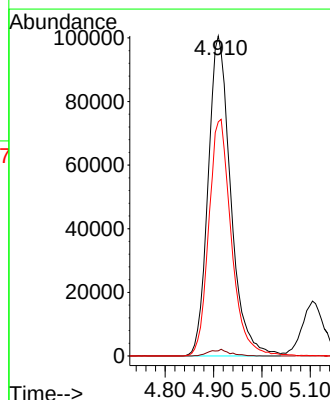
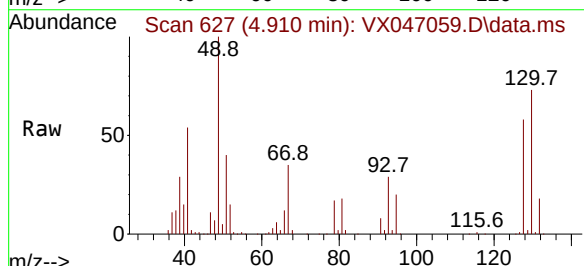
Tgt Ion: 49 Resp: 327531

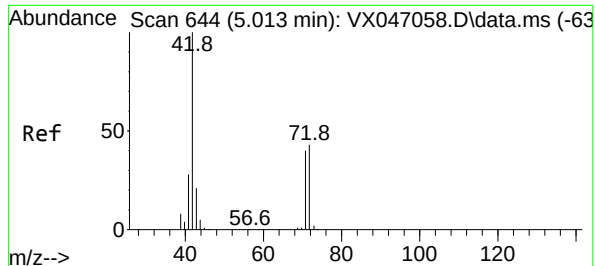
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 73.6 59.0 88.4





#29

Tetrahydrofuran

Concen: 506.702 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 696538

Ion Ratio Lower Upper

42 100

72 42.6 33.7 50.5

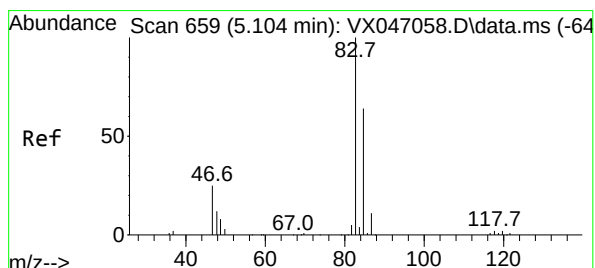
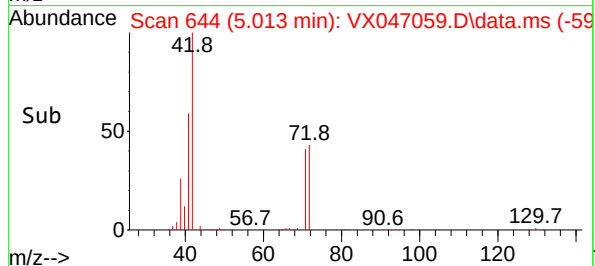
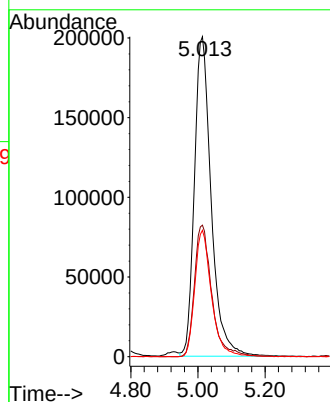
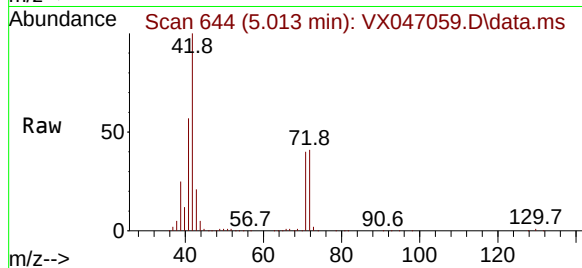
71 39.4 31.0 46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#30

Chloroform

Concen: 95.036 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.000 min

Lab File: VX047059.D

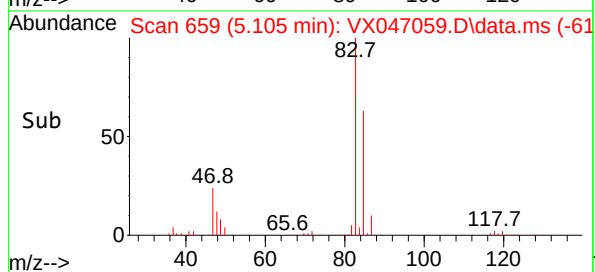
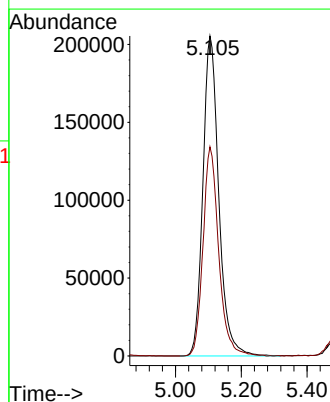
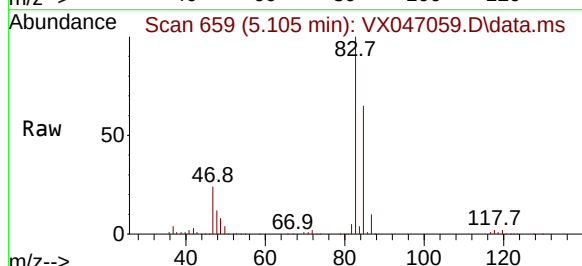
Acq: 21 Jul 2025 11:11

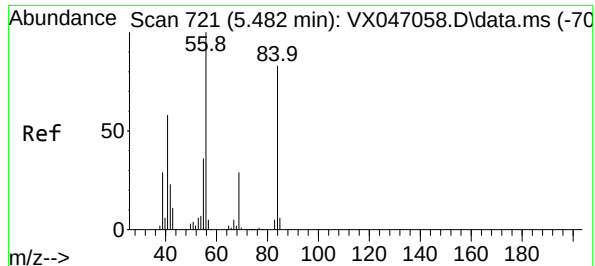
Tgt Ion: 83 Resp: 688904

Ion Ratio Lower Upper

83 100

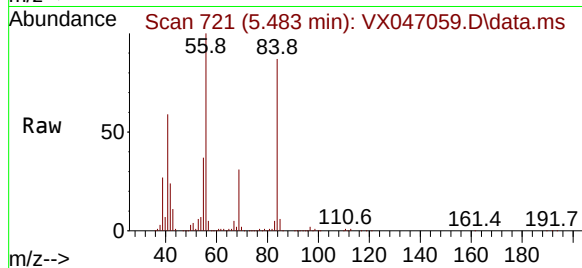
85 65.4 50.9 76.3





#31
Cyclohexane
Concen: 94.354 ug/l
RT: 5.483 min Scan# 721
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

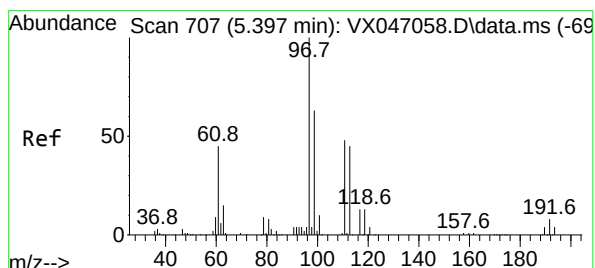
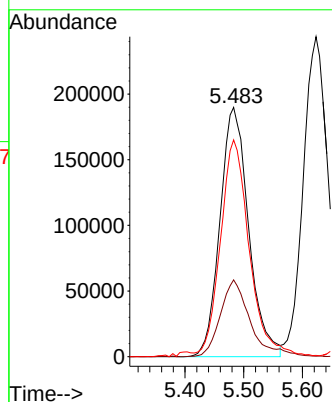
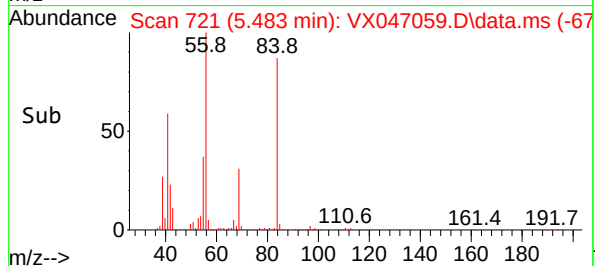
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 56 Resp: 64425
Ion Ratio Lower Upper
56 100
69 30.4 23.3 34.9
84 85.3 66.5 99.7

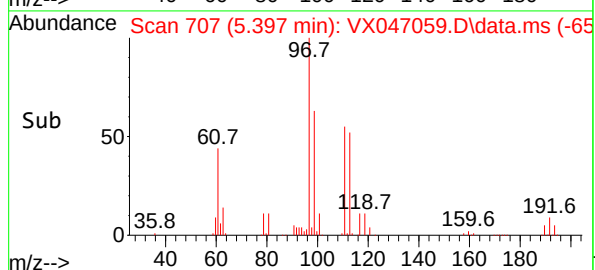
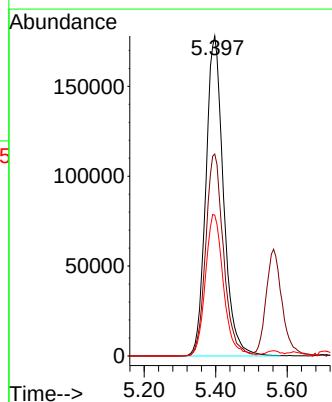
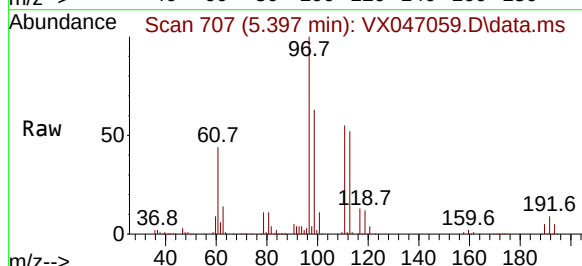
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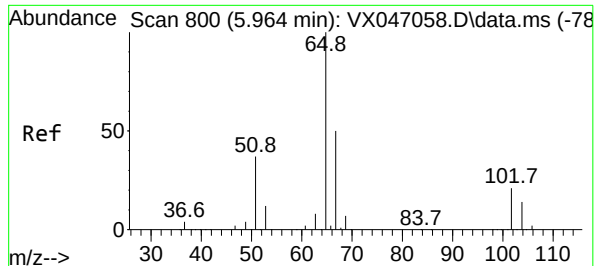
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#32
1,1,1-Trichloroethane
Concen: 96.931 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 97 Resp: 610295
Ion Ratio Lower Upper
97 100
99 63.7 51.2 76.8
61 45.1 37.1 55.7





#33

1,2-Dichloroethane-d4

Concen: 98.067 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 358189

Ion Ratio Lower Upper

65 100

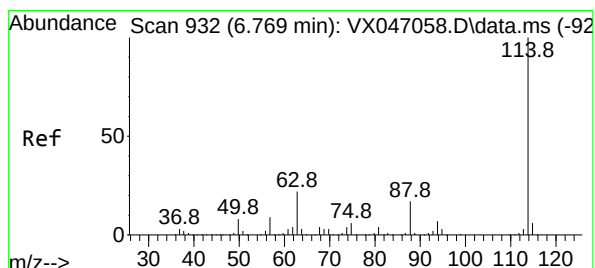
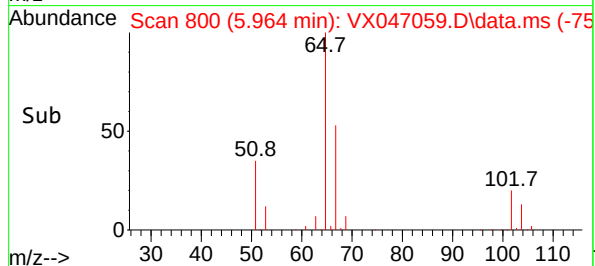
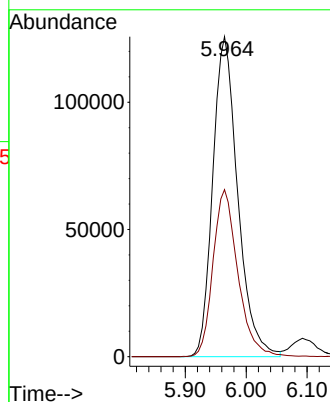
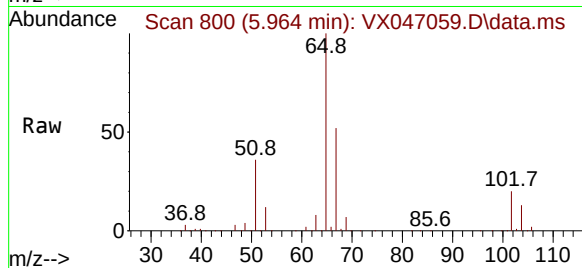
67 52.1 0.0 104.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

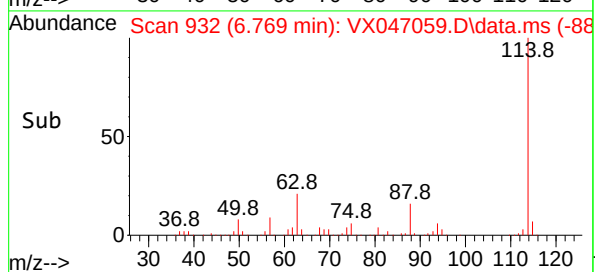
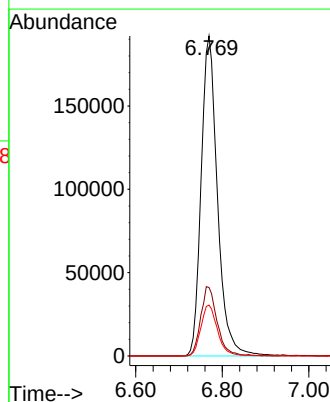
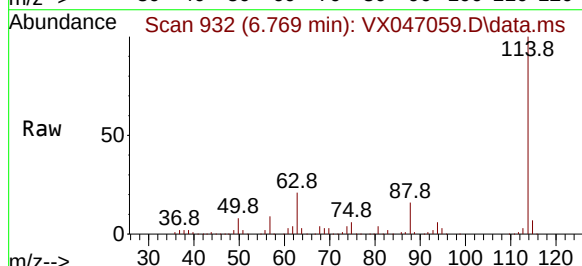
Tgt Ion:114 Resp: 502636

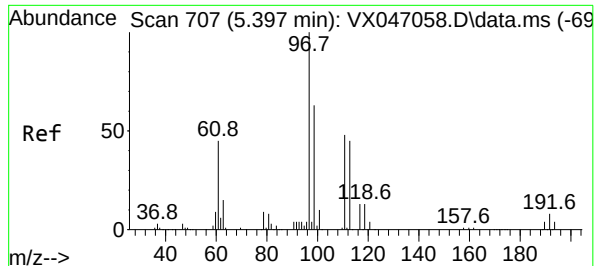
Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.2

88 15.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 97.981 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Tgt Ion:113 Resp: 30407

Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

192 18.4 14.9 22.3

Instrument :

MSVOA_X

ClientSampleId :

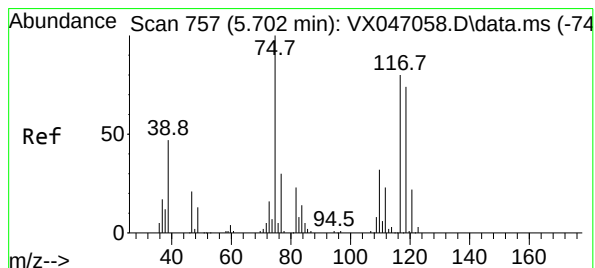
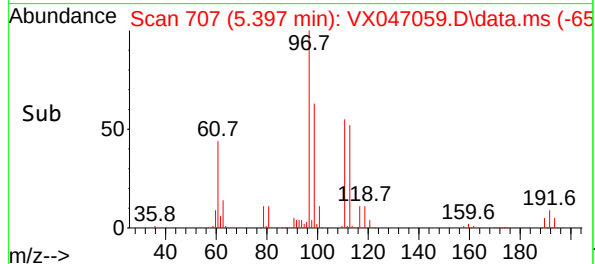
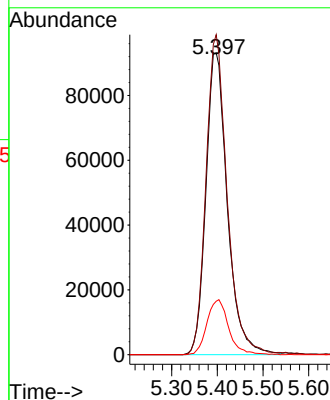
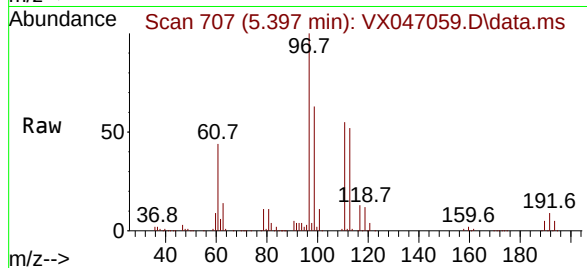
VSTDIC100

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#36

1,1-Dichloropropene

Concen: 92.052 ug/l

RT: 5.702 min Scan# 757

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

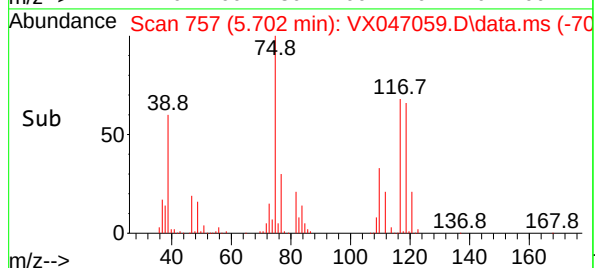
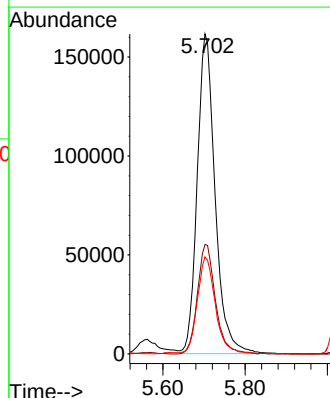
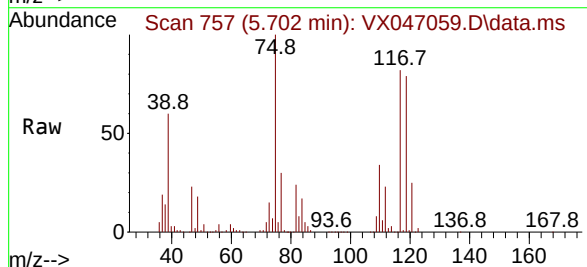
Tgt Ion: 75 Resp: 486962

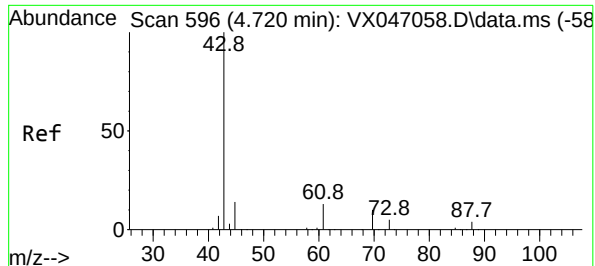
Ion Ratio Lower Upper

75 100

110 34.5 17.2 51.5

77 30.5 25.1 37.7





#37

Ethyl Acetate

Concen: 99.573 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 464215

Ion Ratio Lower Upper

43 100

61 13.0 10.2 15.2

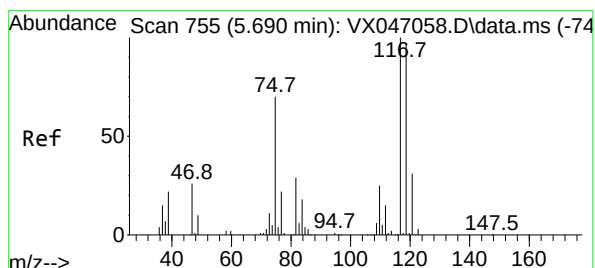
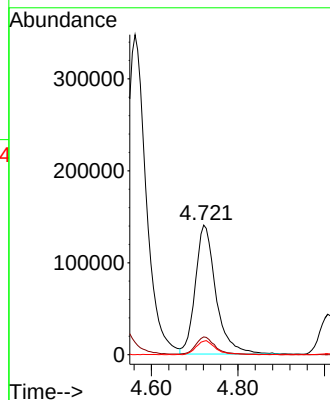
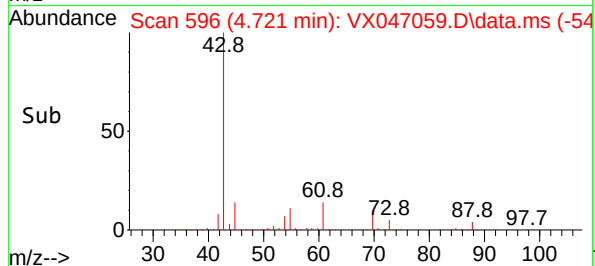
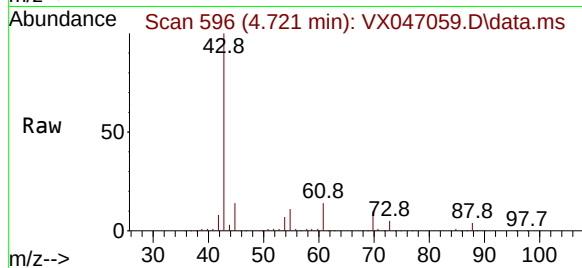
70 10.3 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#38

Carbon Tetrachloride

Concen: 94.597 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

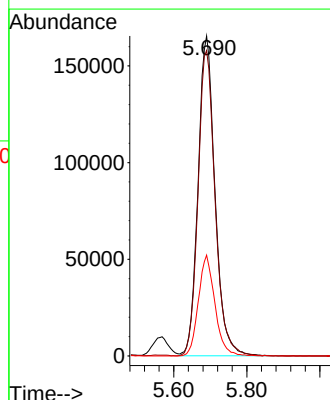
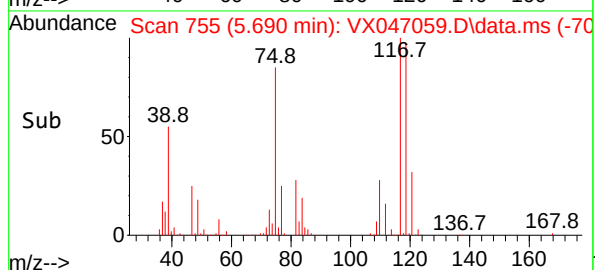
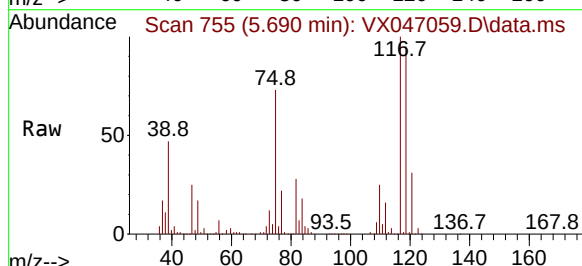
Tgt Ion:117 Resp: 534117

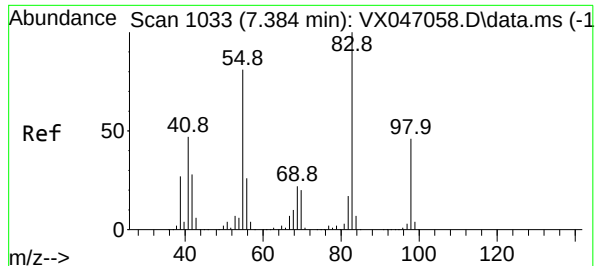
Ion Ratio Lower Upper

117 100

119 95.4 76.6 115.0

121 31.5 24.4 36.6





#39

Methylcyclohexane

Concen: 97.426 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 64349

Ion Ratio Lower Upper

83 100

55 80.6 64.5 96.7

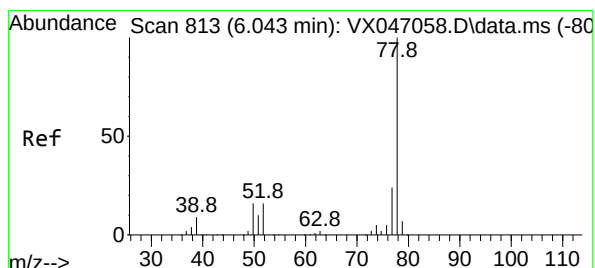
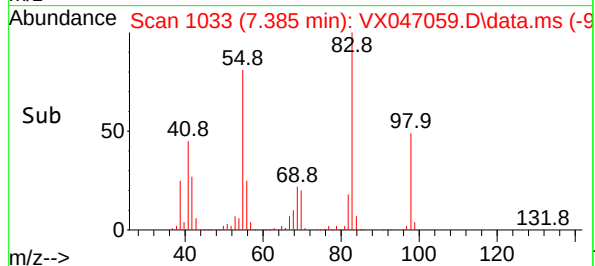
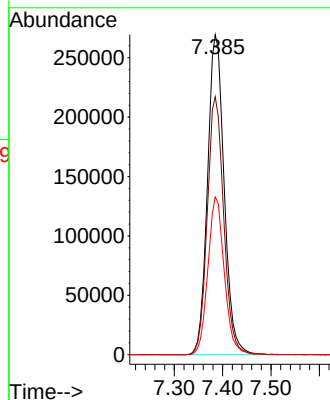
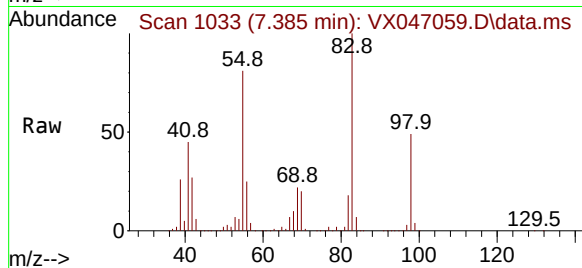
98 49.3 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#40

Benzene

Concen: 95.282 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.006 min

Lab File: VX047059.D

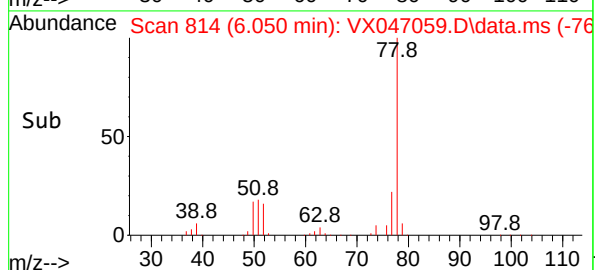
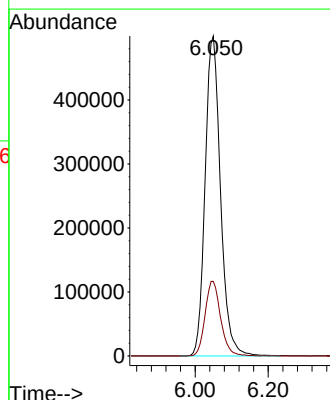
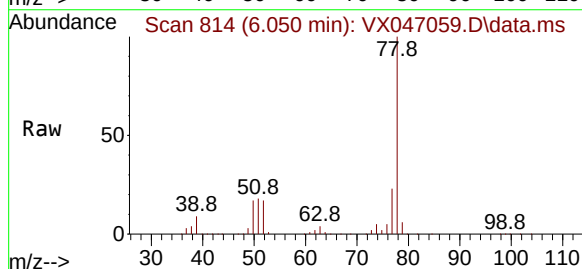
Acq: 21 Jul 2025 11:11

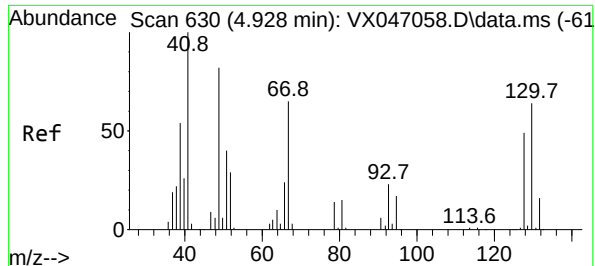
Tgt Ion: 78 Resp: 1458721

Ion Ratio Lower Upper

78 100

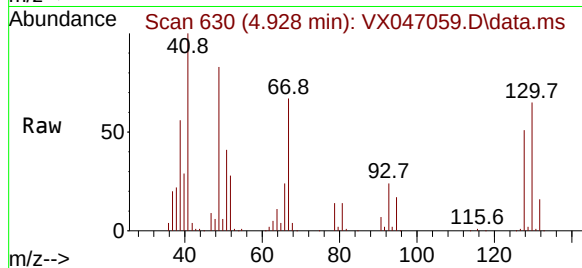
77 23.3 19.0 28.4





#41
Methacrylonitrile
Concen: 104.648 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

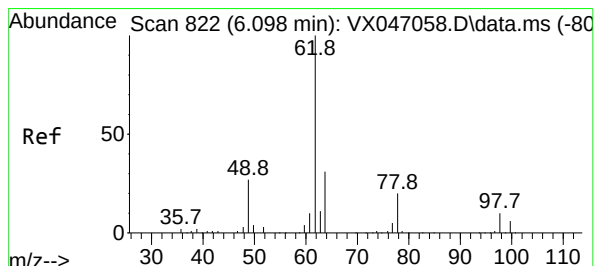
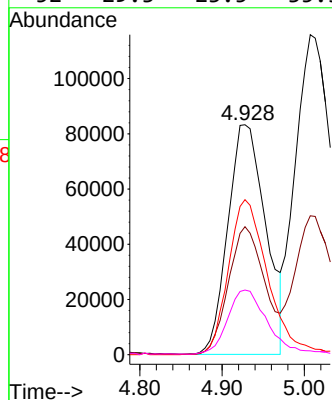
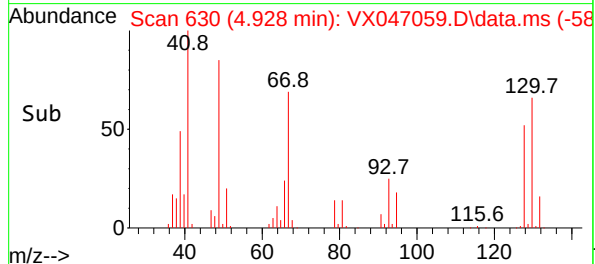
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 41 Resp: 26672
Ion Ratio Lower Upper
41 100
39 53.6 44.2 66.2
67 71.1 56.4 84.6
52 29.3 23.5 35.3

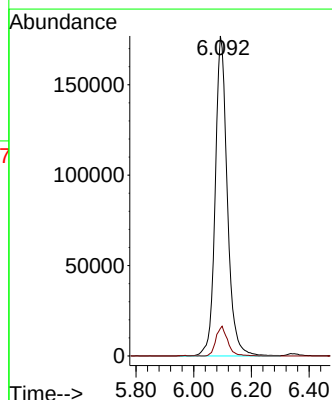
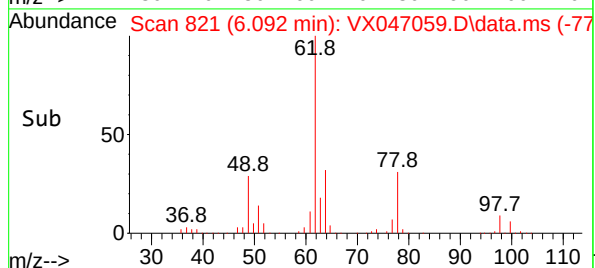
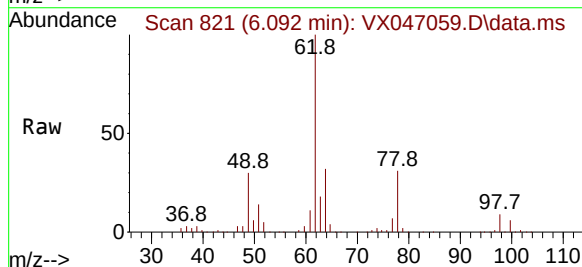
Manual Integrations
APPROVED

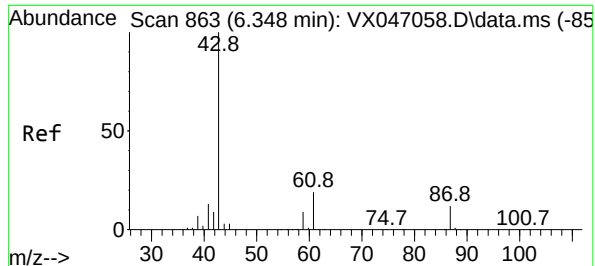
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#42
1,2-Dichloroethane
Concen: 95.493 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 62 Resp: 514986
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.8





#43

Isopropyl Acetate

Concen: 103.002 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.006 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 78274

Ion Ratio Lower Upper

43 100

61 19.3 15.1 22.7

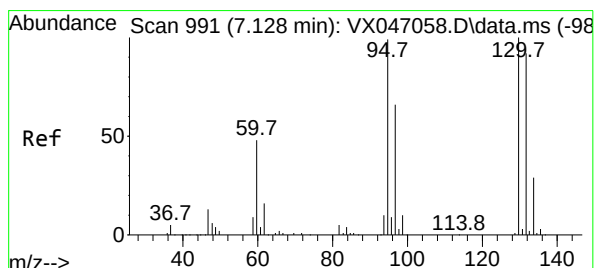
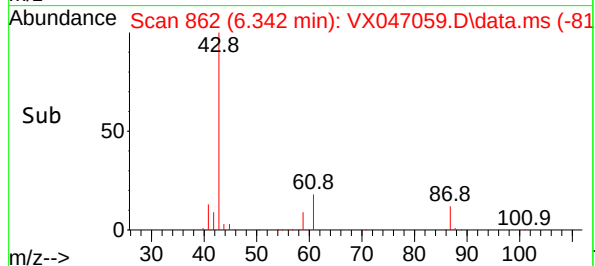
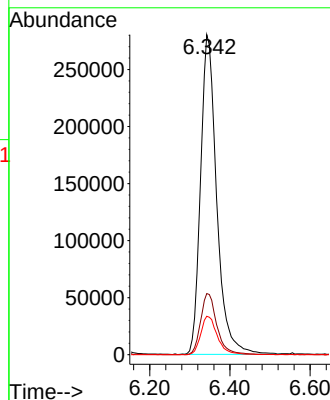
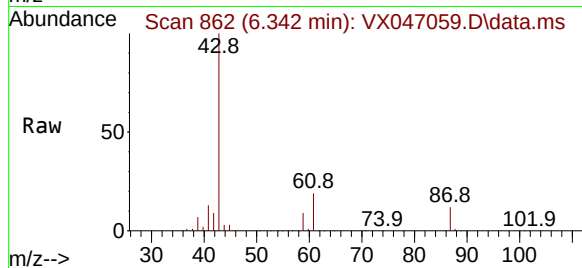
87 12.3 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#44

Trichloroethene

Concen: 94.887 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX047059.D

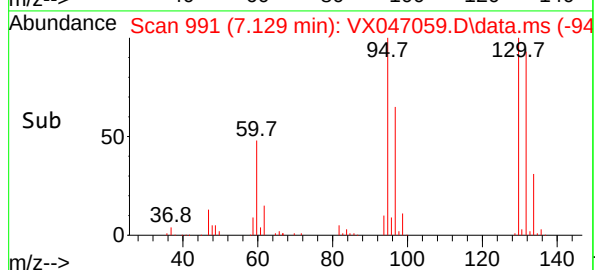
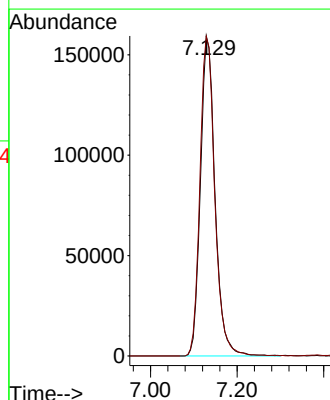
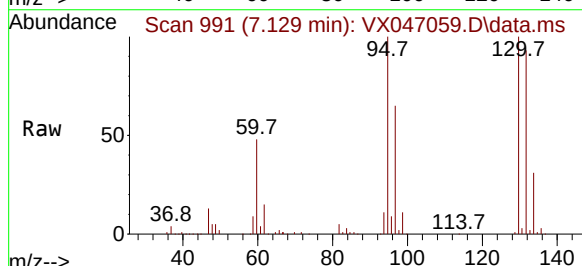
Acq: 21 Jul 2025 11:11

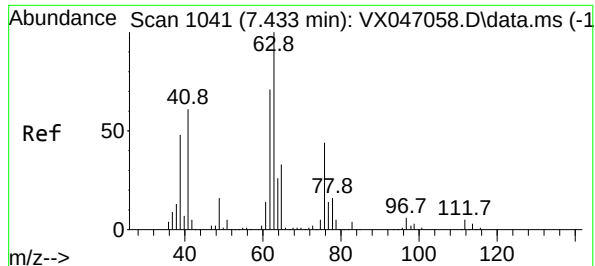
Tgt Ion:130 Resp: 372515

Ion Ratio Lower Upper

130 100

95 99.8 0.0 198.6





#45

1,2-Dichloropropane

Concen: 95.131 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 364769

Ion Ratio Lower Upper

63 100

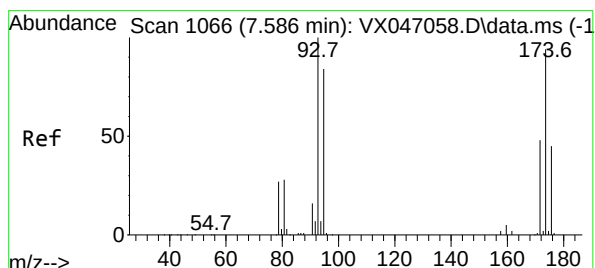
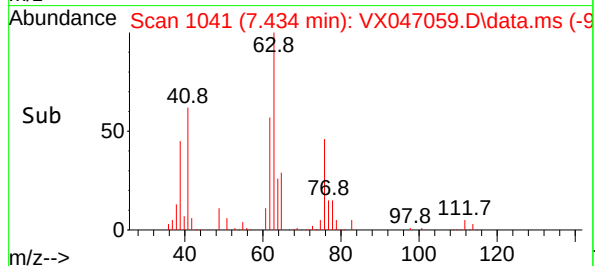
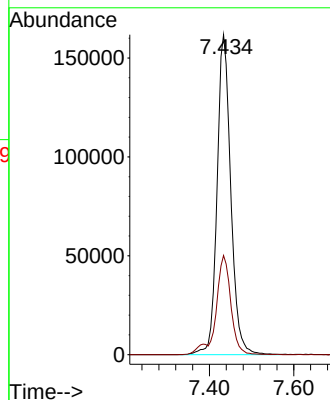
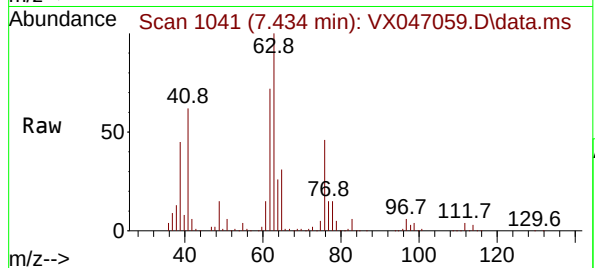
65 31.0 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#46

Dibromomethane

Concen: 97.464 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

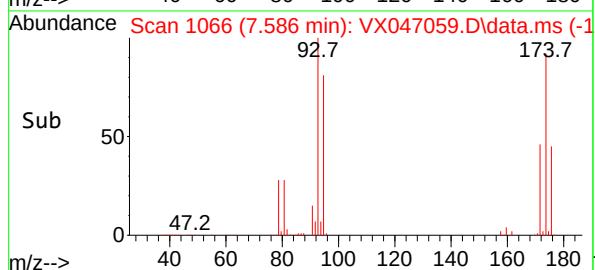
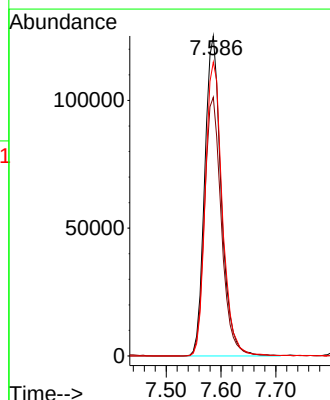
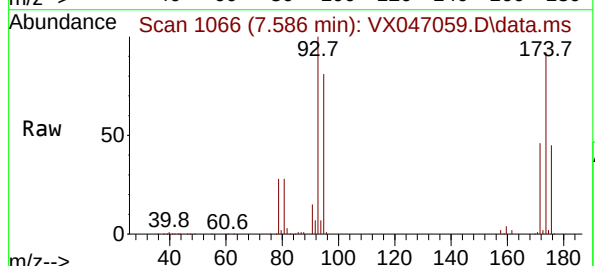
Tgt Ion: 93 Resp: 262070

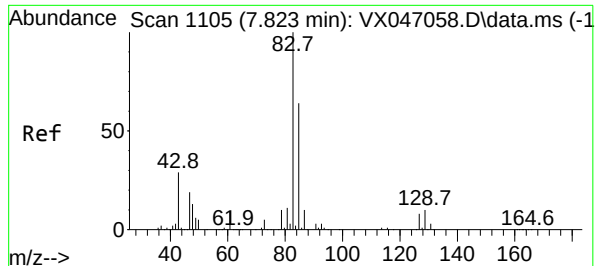
Ion Ratio Lower Upper

93 100

95 82.5 65.9 98.9

174 94.1 74.6 112.0





#47

Bromodichloromethane

Concen: 95.349 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 54571

Ion Ratio Lower Upper

83 100

85 63.9 49.9 74.9

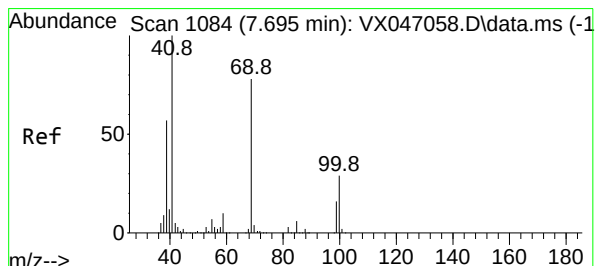
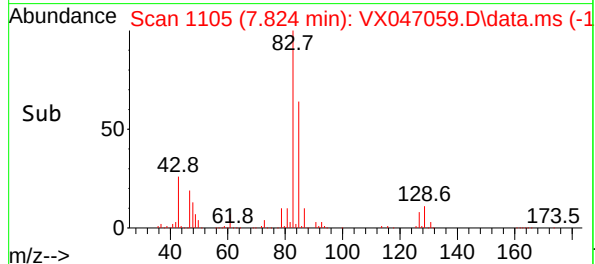
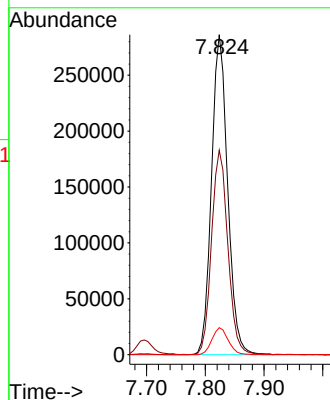
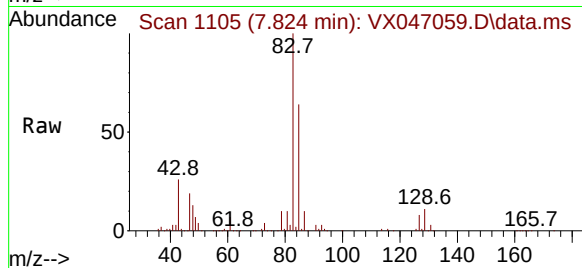
127 8.4 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#48

Methyl methacrylate

Concen: 98.210 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

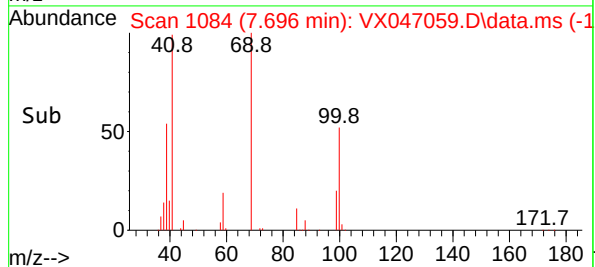
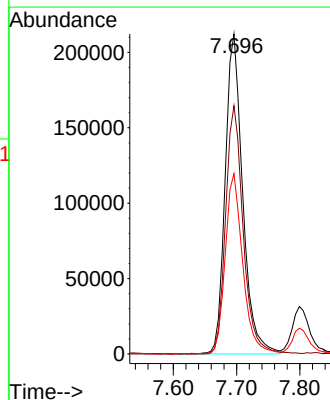
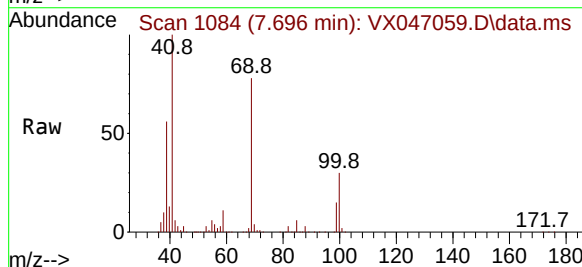
Tgt Ion: 41 Resp: 406578

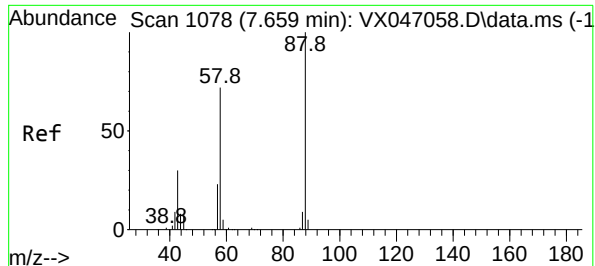
Ion Ratio Lower Upper

41 100

69 77.9 62.3 93.5

39 56.4 44.8 67.2





#49

1,4-Dioxane

Concen: 2074.633 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 88 Resp: 9768

Ion Ratio Lower Upper

88 100

43 39.0 33.6 50.4

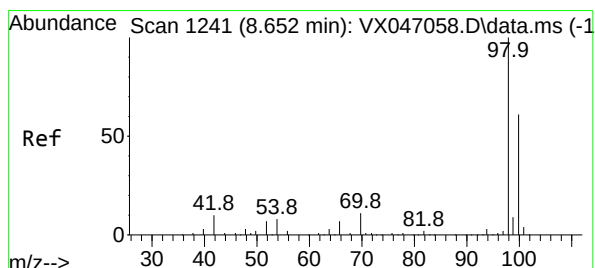
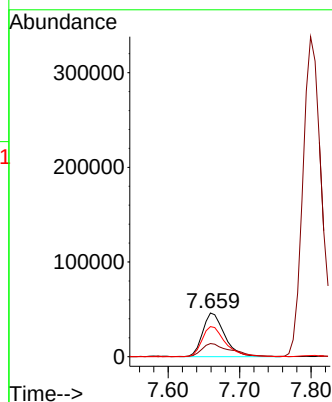
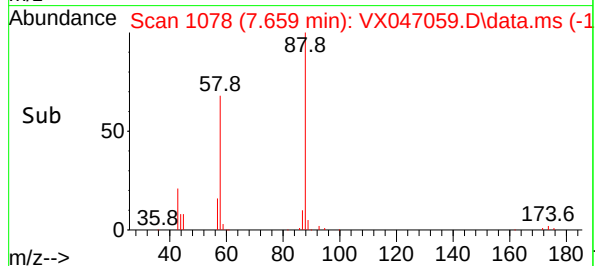
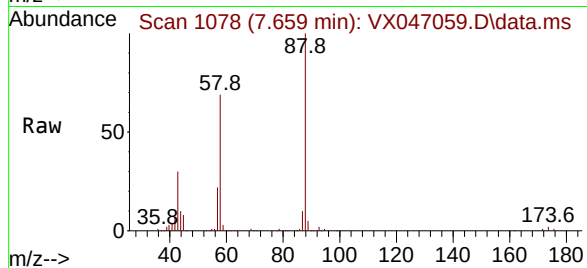
58 73.2 58.8 88.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#50

Toluene-d8

Concen: 94.642 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047059.D

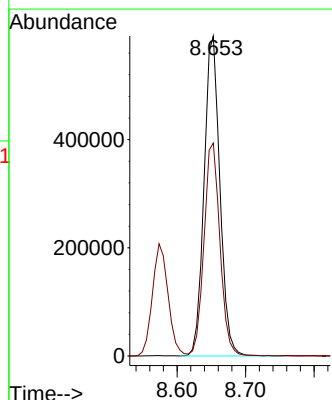
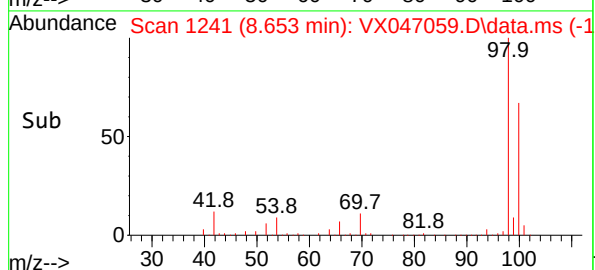
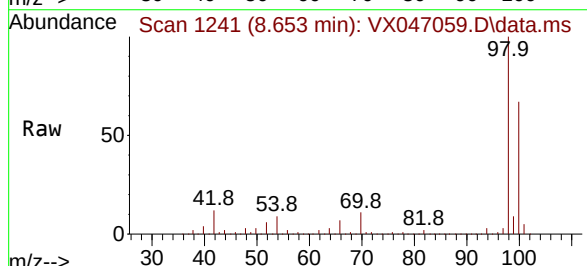
Acq: 21 Jul 2025 11:11

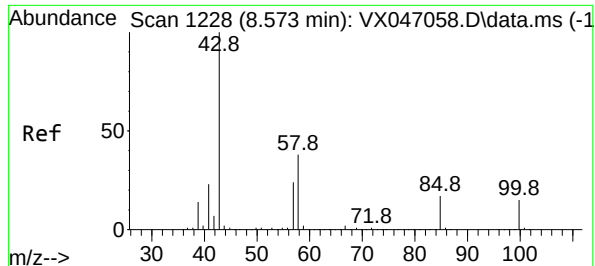
Tgt Ion: 98 Resp: 951189

Ion Ratio Lower Upper

98 100

100 67.0 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 490.000 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 221329

Ion Ratio Lower Upper

43 100

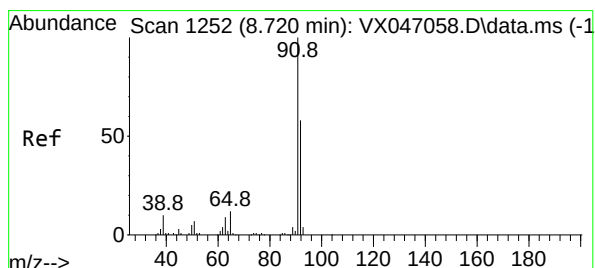
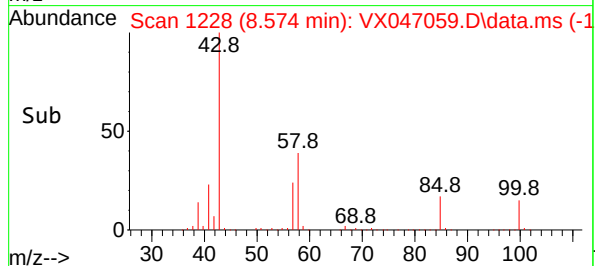
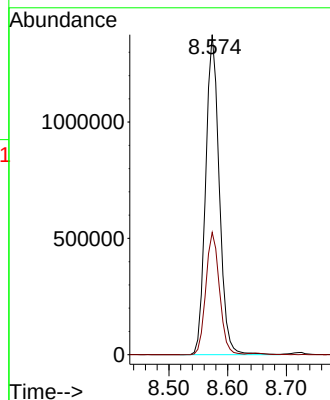
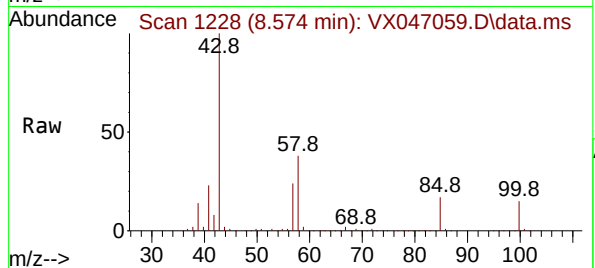
58 38.3 30.6 45.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#52

Toluene

Concen: 95.648 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX047059.D

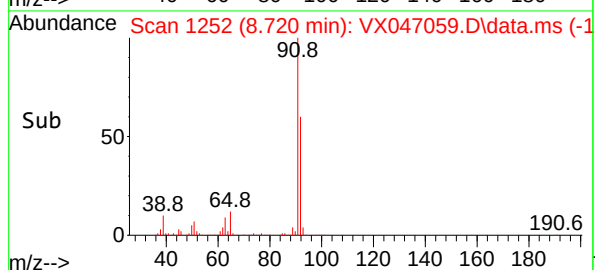
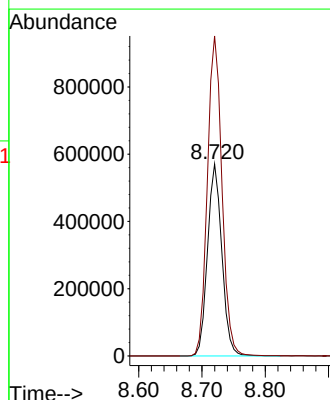
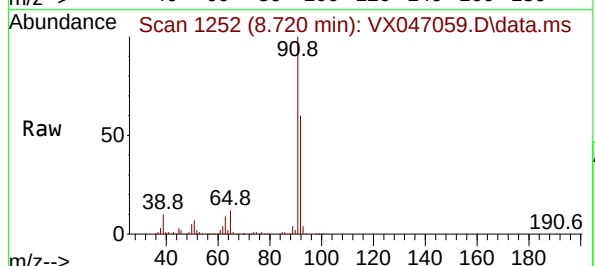
Acq: 21 Jul 2025 11:11

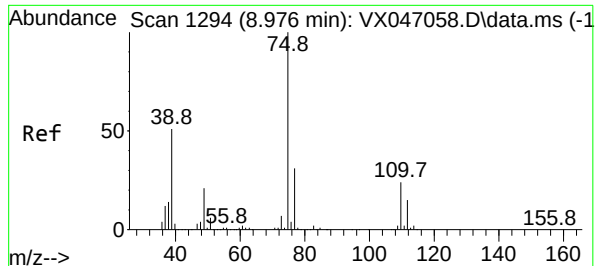
Tgt Ion: 92 Resp: 900379

Ion Ratio Lower Upper

92 100

91 169.7 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 101.846 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 550438

Ion Ratio Lower Upper

75 100

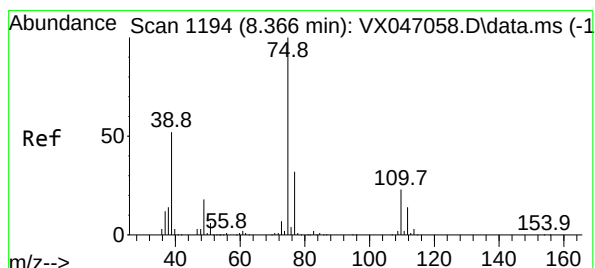
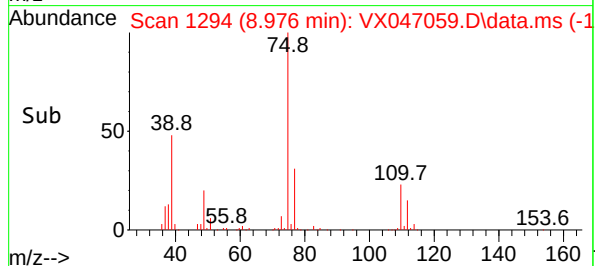
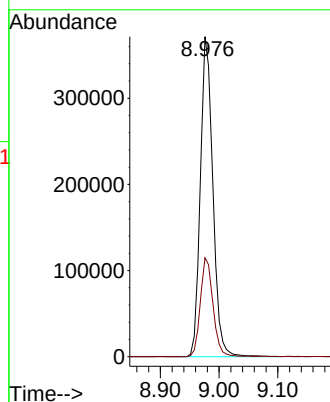
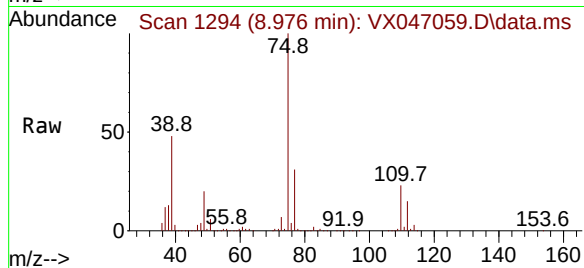
77 30.9 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#54

cis-1,3-Dichloropropene

Concen: 100.700 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

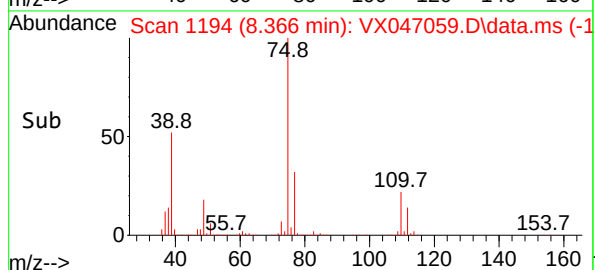
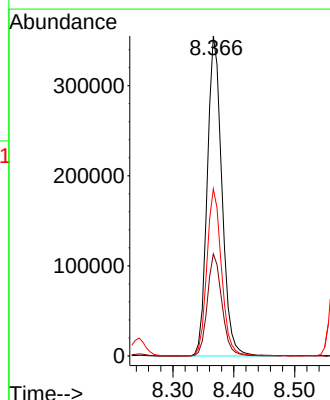
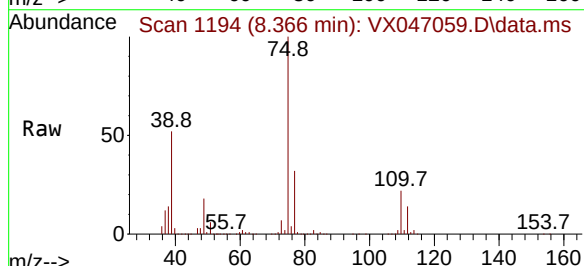
Tgt Ion: 75 Resp: 595662

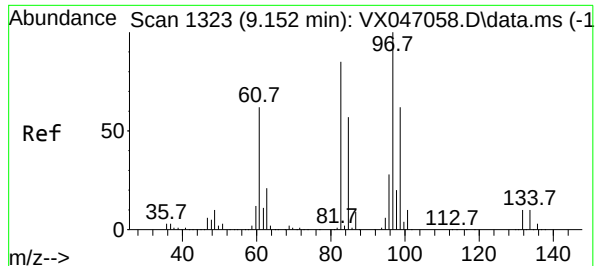
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 52.1 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 94.482 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 333552

Ion Ratio Lower Upper

97 100

83 85.8 68.0 102.0

85 56.5 45.2 67.8

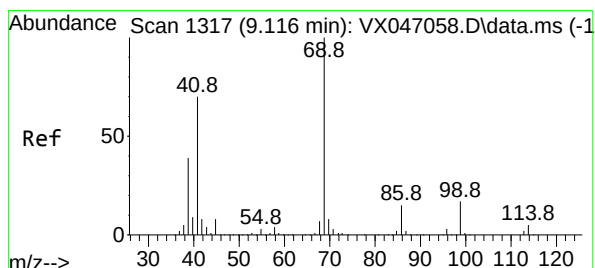
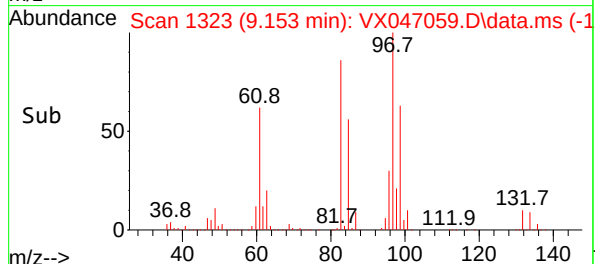
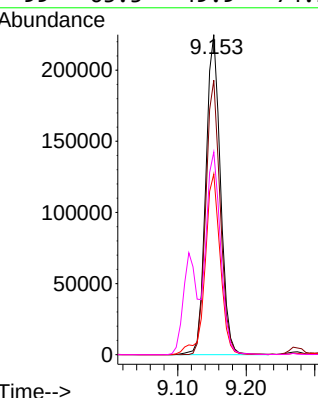
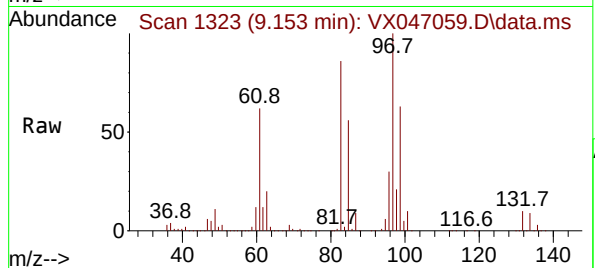
99 63.3 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#56

Ethyl methacrylate

Concen: 104.649 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

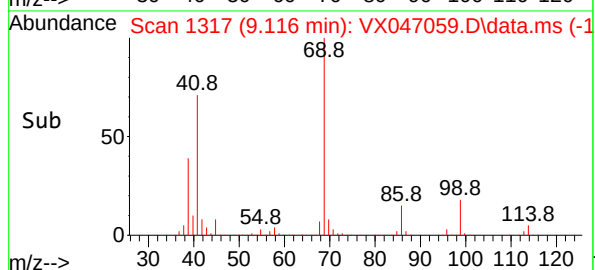
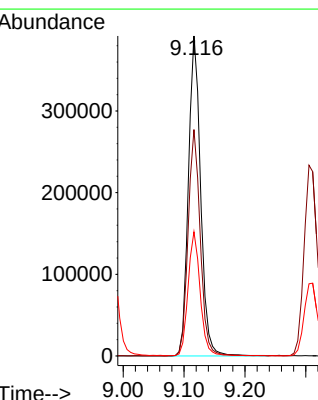
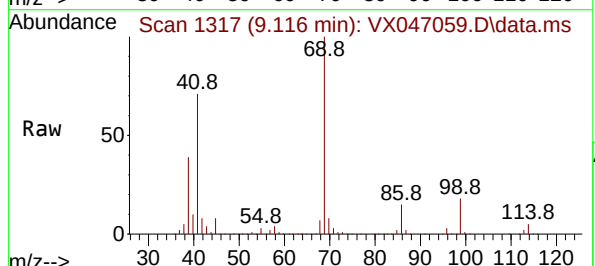
Tgt Ion: 69 Resp: 546929

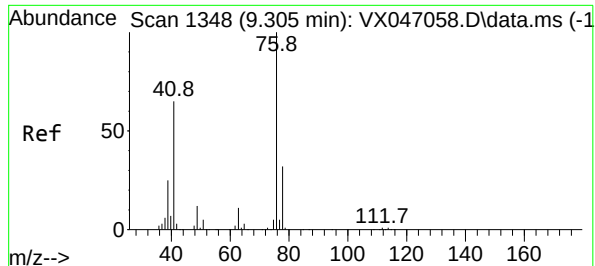
Ion Ratio Lower Upper

69 100

41 70.7 56.1 84.1

39 38.2 31.1 46.7





#57

1,3-Dichloropropane

Concen: 94.454 ug/l

RT: 9.311 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 57952

Ion Ratio Lower Upper

76 100

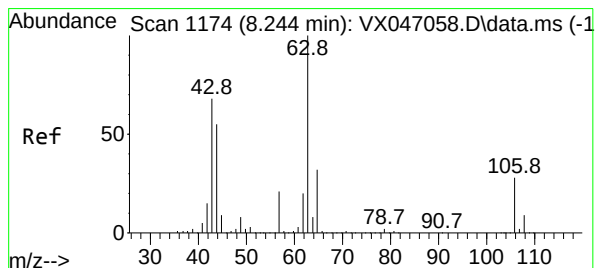
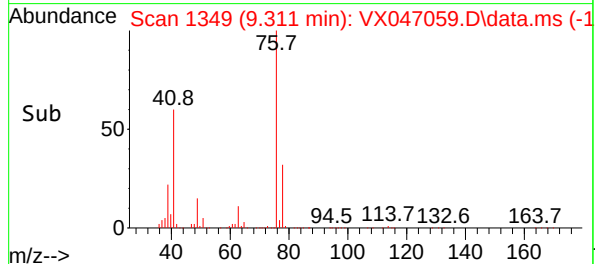
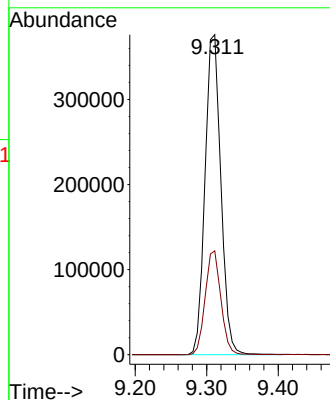
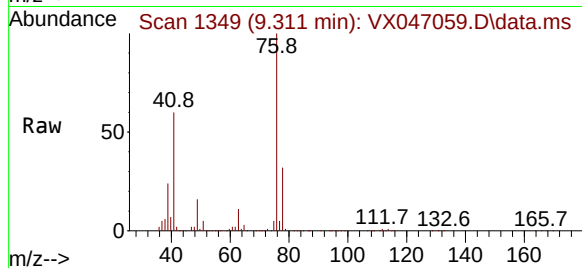
78 32.2 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#58

2-Chloroethyl Vinyl ether

Concen: 512.296 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX047059.D

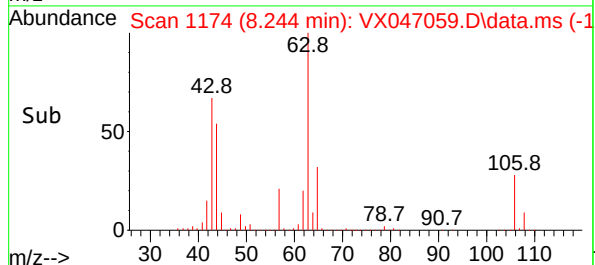
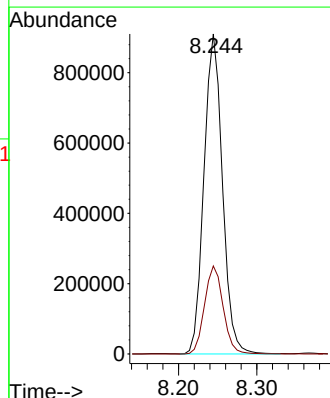
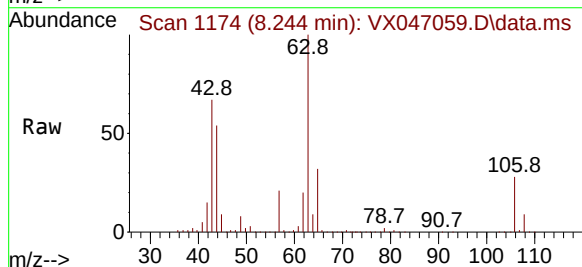
Acq: 21 Jul 2025 11:11

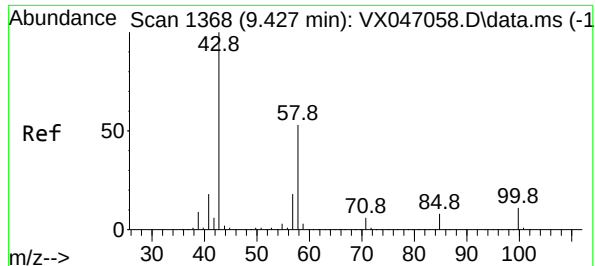
Tgt Ion: 63 Resp: 1489901

Ion Ratio Lower Upper

63 100

106 27.7 22.2 33.4





#59

2-Hexanone

Concen: 514.162 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 1534390

Ion Ratio Lower Upper

43 100

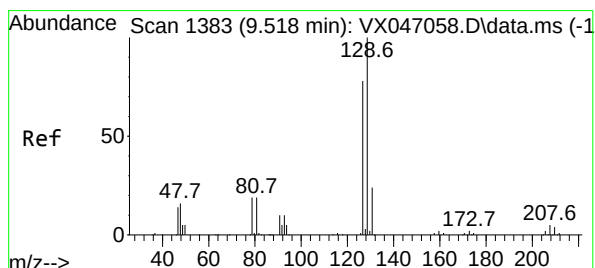
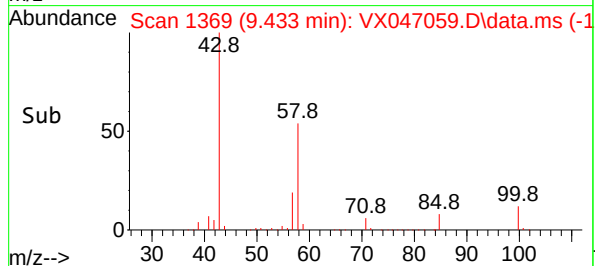
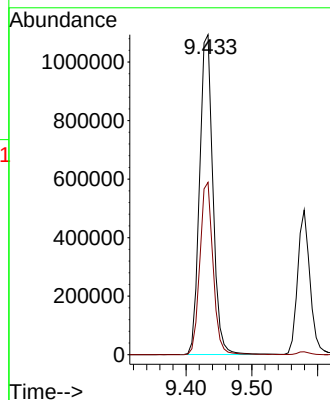
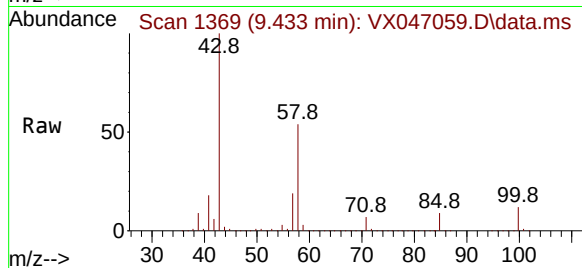
58 53.4 26.5 79.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#60

Dibromochloromethane

Concen: 96.718 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX047059.D

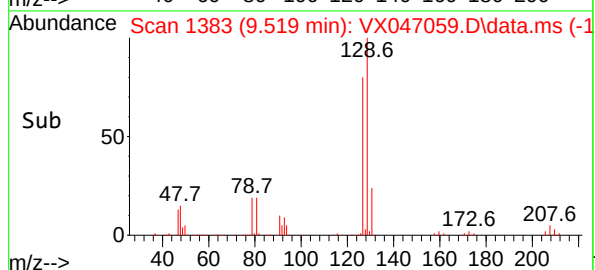
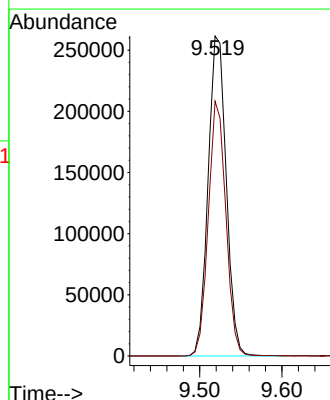
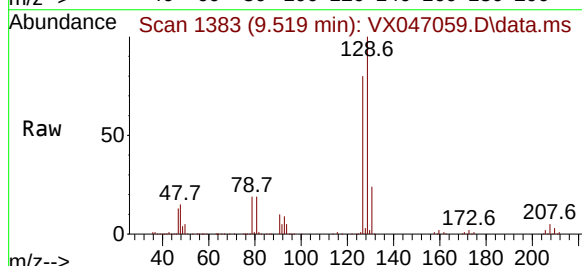
Acq: 21 Jul 2025 11:11

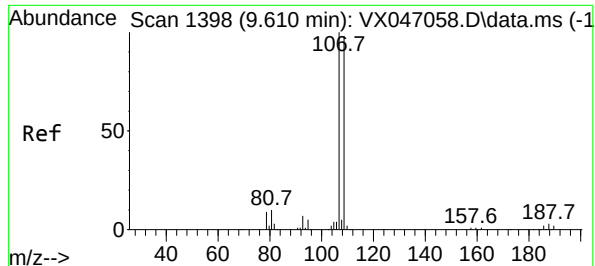
Tgt Ion:129 Resp: 400453

Ion Ratio Lower Upper

129 100

127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 94.909 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:107 Resp: 350348

Ion Ratio Lower Upper

107 100

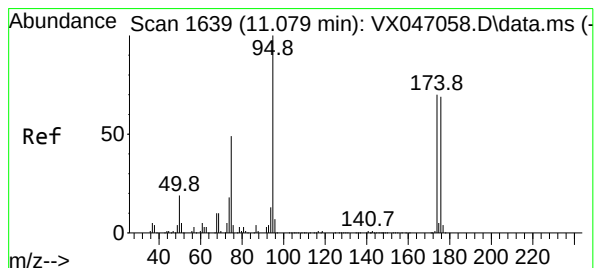
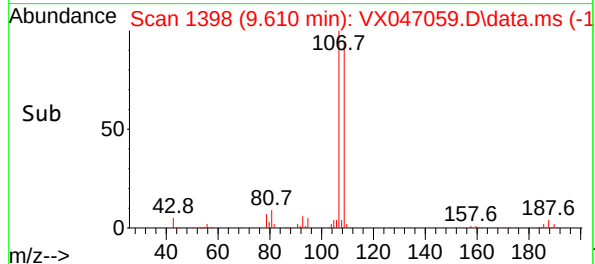
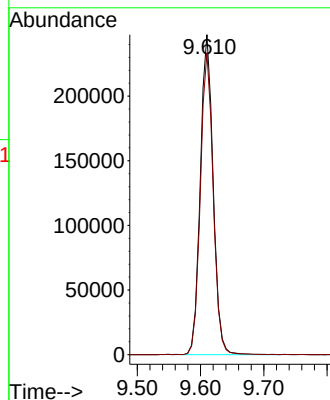
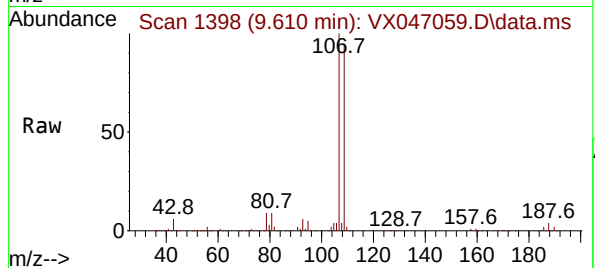
109 94.2 74.6 112.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#62

4-Bromofluorobenzene

Concen: 96.692 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

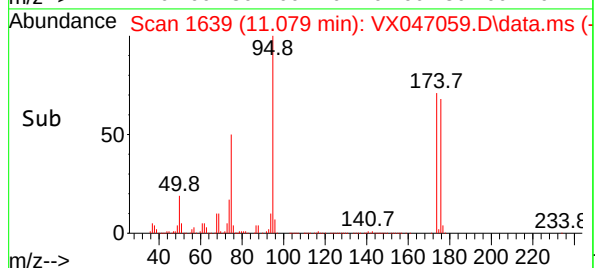
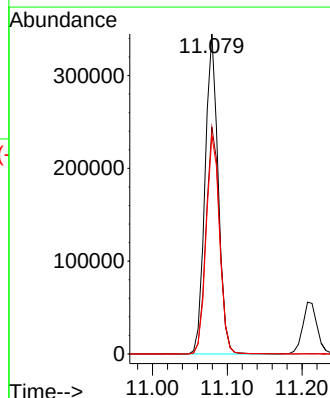
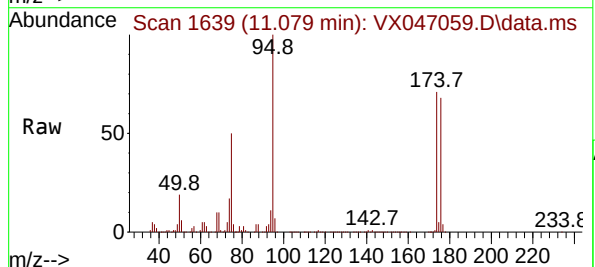
Tgt Ion: 95 Resp: 418790

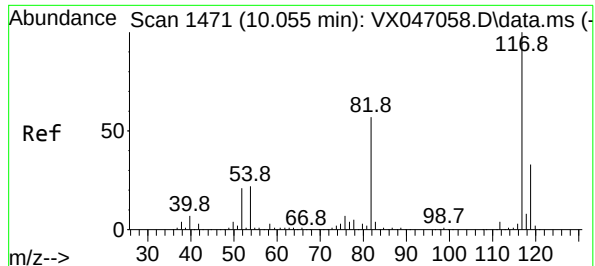
Ion Ratio Lower Upper

95 100

174 73.6 0.0 144.6

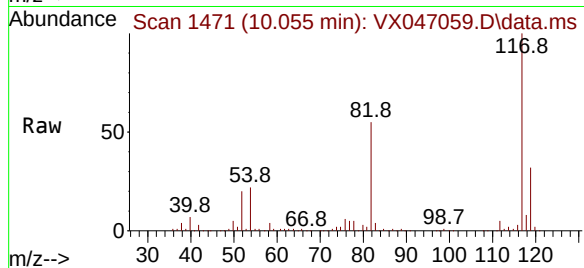
176 70.3 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

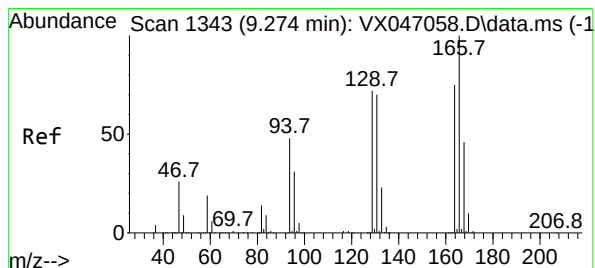
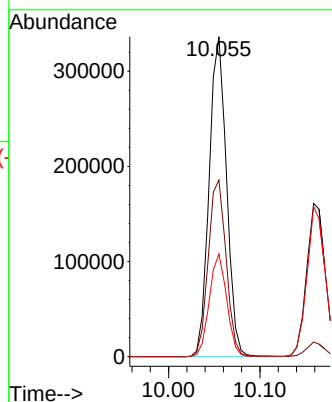
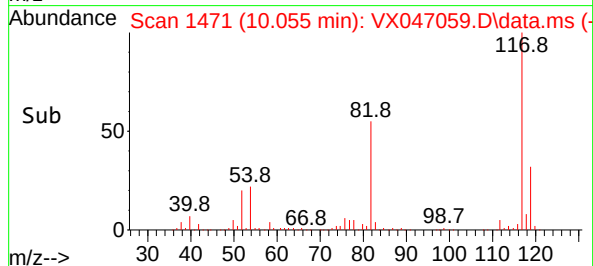
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion:117 Resp: 443709
Ion Ratio Lower Upper
117 100
82 55.2 45.4 68.2
119 32.1 26.1 39.1

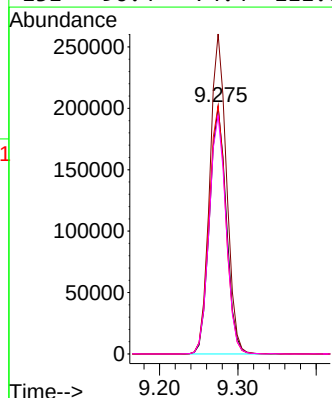
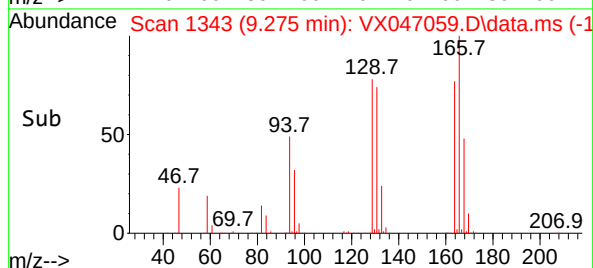
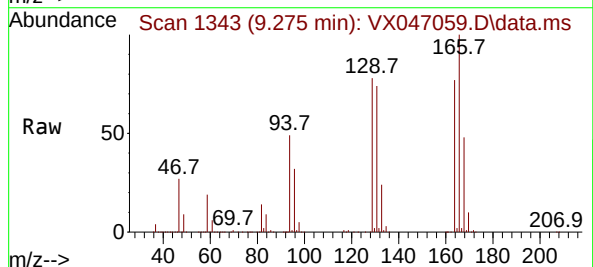
Manual Integrations
APPROVED

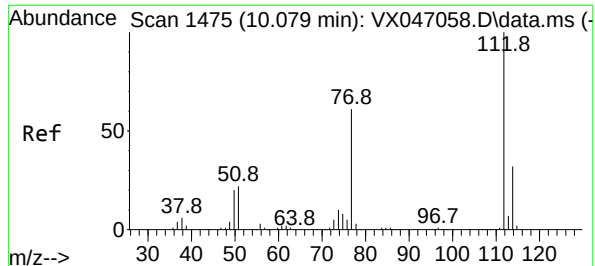
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#64
Tetrachloroethene
Concen: 93.490 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:164 Resp: 299042
Ion Ratio Lower Upper
164 100
166 129.5 106.2 159.4
129 100.5 76.6 114.8
131 96.4 74.4 111.6





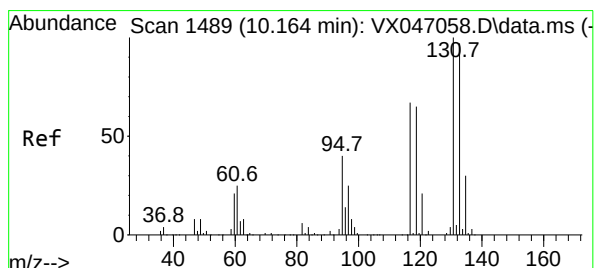
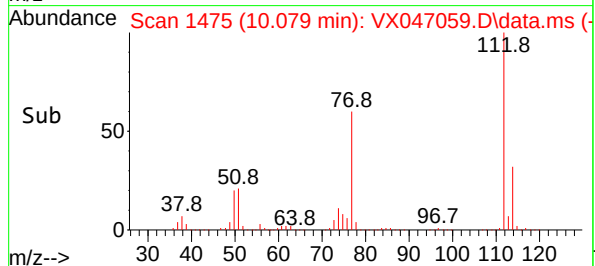
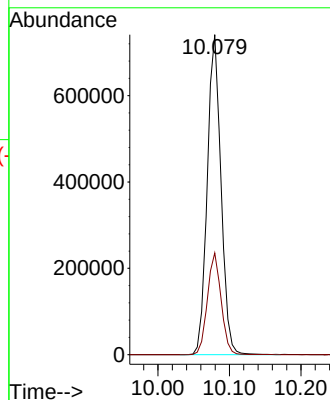
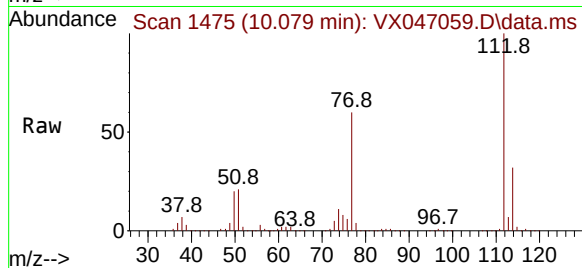
#65
Chlorobenzene
Concen: 95.134 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 98888
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

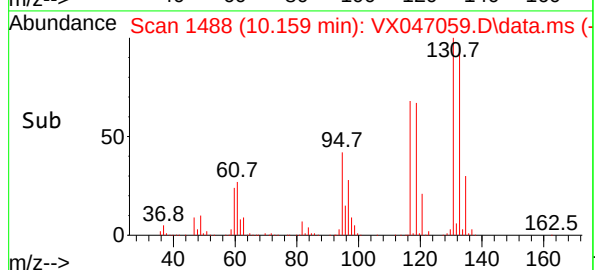
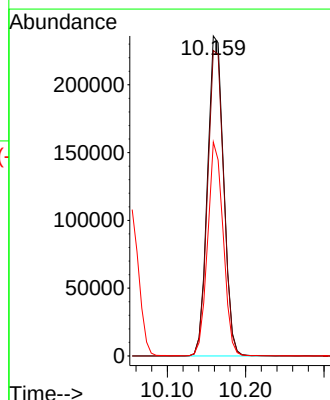
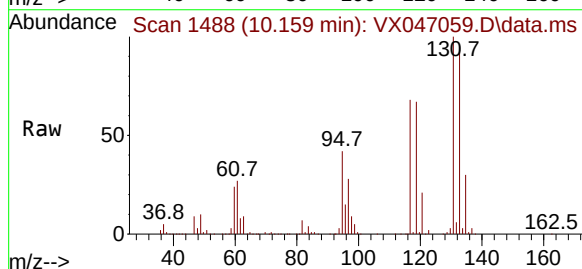
Manual Integrations
APPROVED

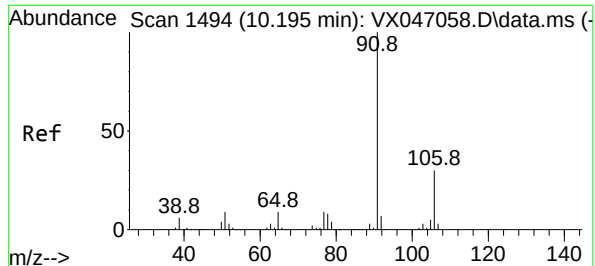
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 96.621 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

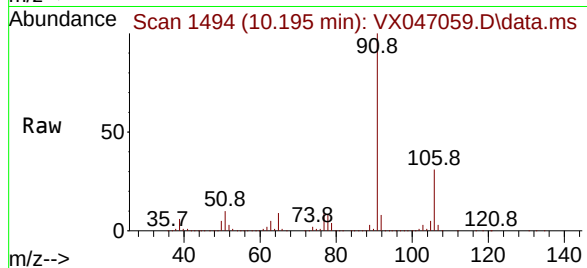
Tgt Ion:131 Resp: 338141
Ion Ratio Lower Upper
131 100
133 95.7 48.4 145.3
119 64.2 32.4 97.0





#67
Ethyl Benzene
Concen: 96.425 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

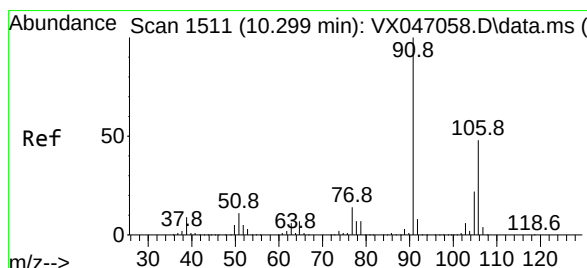
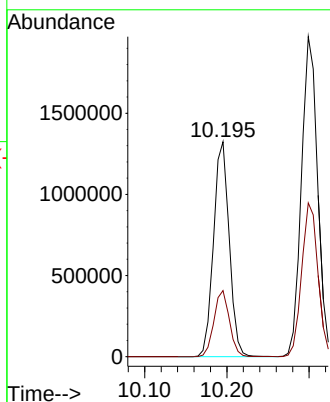
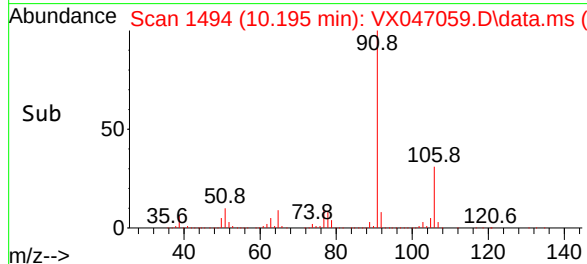
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



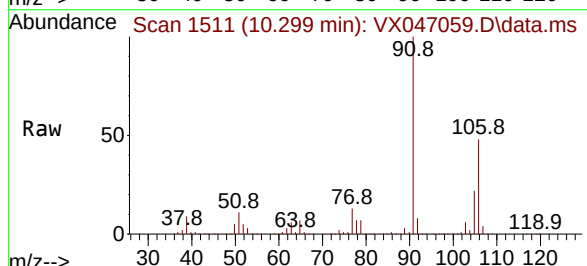
Tgt Ion: 91 Resp: 1752485
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.4

Manual Integrations
APPROVED

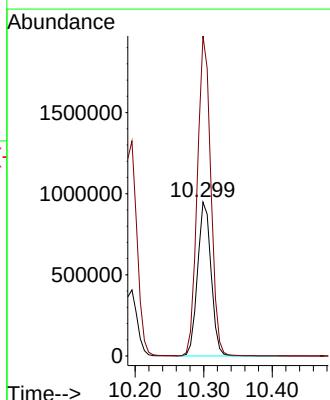
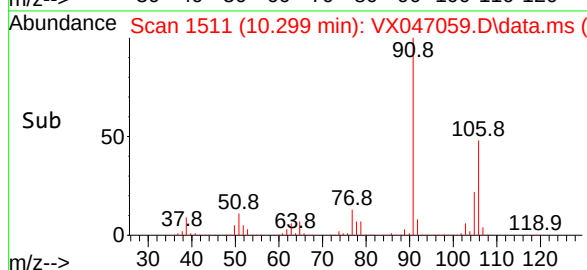
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

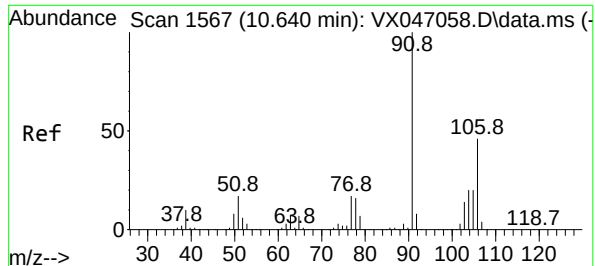


#68
m/p-Xylenes
Concen: 191.494 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11



Tgt Ion:106 Resp: 1302405
Ion Ratio Lower Upper
106 100
91 206.9 167.4 251.0





#69

o-Xylene

Concen: 96.565 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:106 Resp: 62479

Ion Ratio Lower Upper

106 100

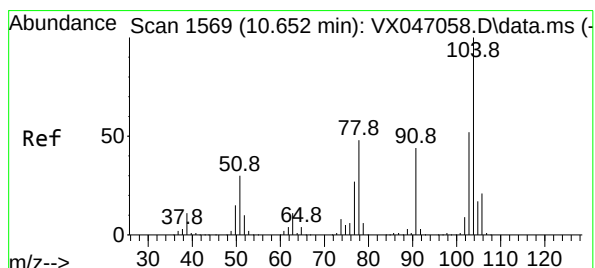
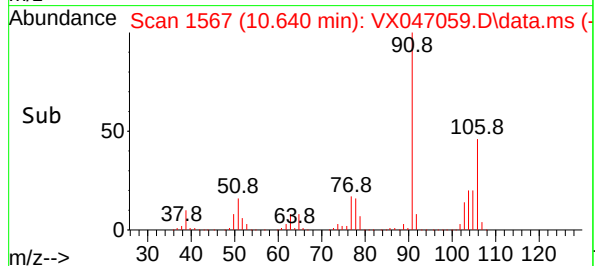
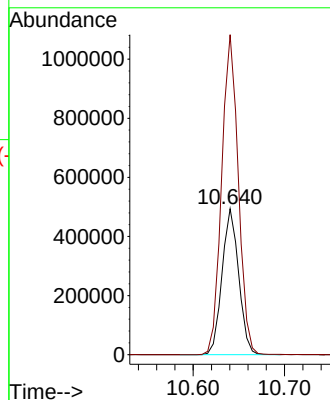
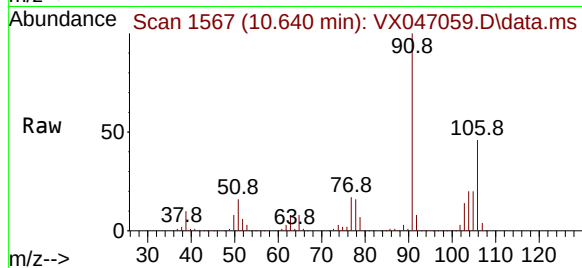
91 219.8 110.3 331.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#70

Styrene

Concen: 96.694 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

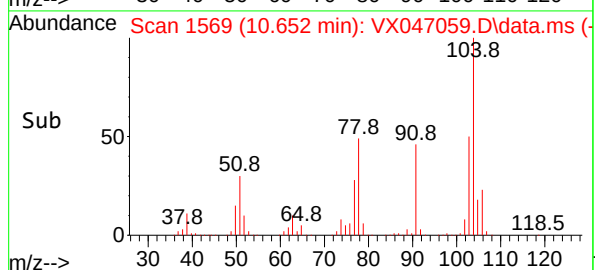
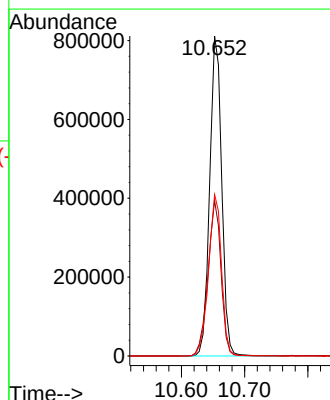
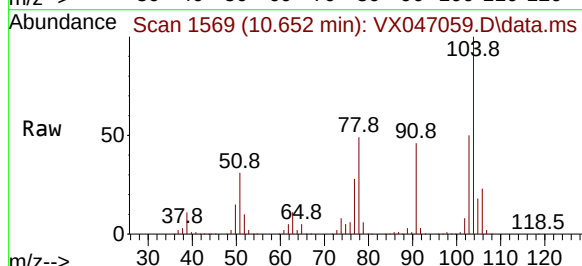
Tgt Ion:104 Resp: 1072801

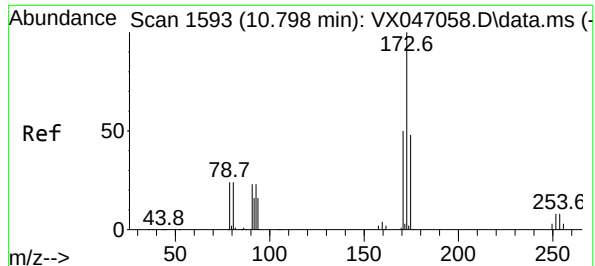
Ion Ratio Lower Upper

104 100

78 52.8 42.0 63.0

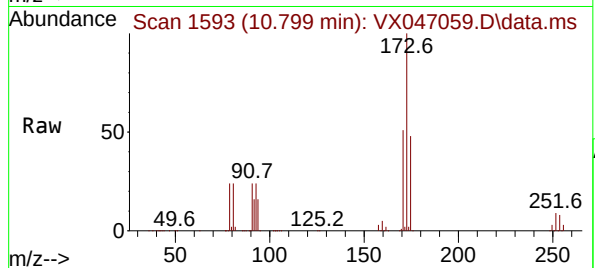
103 54.7 43.8 65.6





#71
Bromoform
Concen: 97.473 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

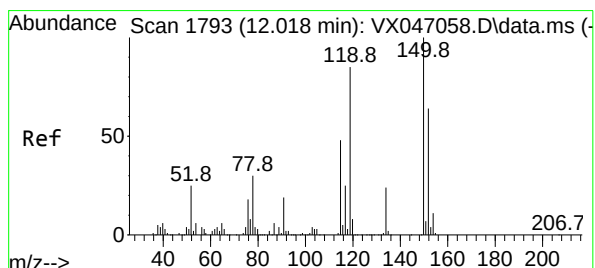
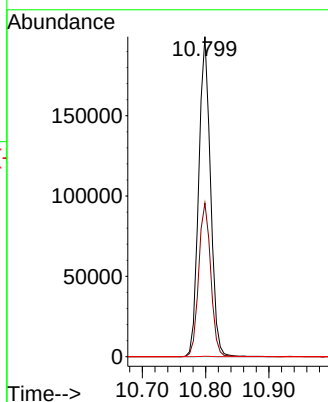
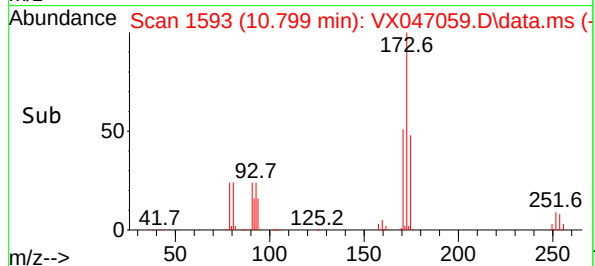
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion:173 Resp: 259124
Ion Ratio Lower Upper
173 100
175 49.0 24.2 72.6
254 0.1 0.1 0.1

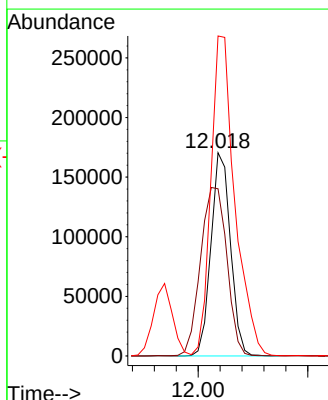
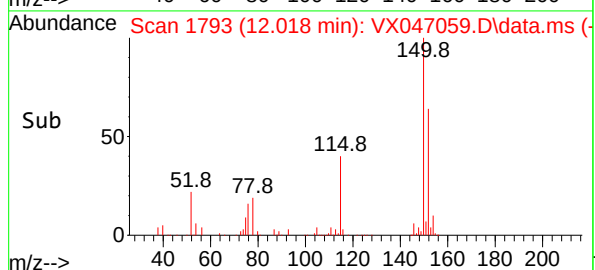
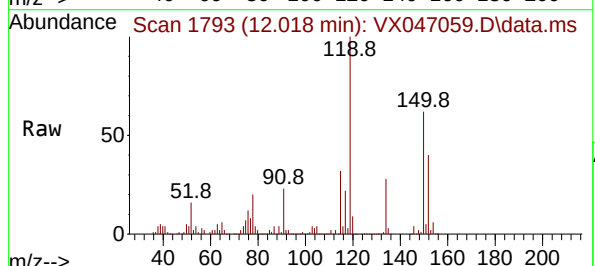
Manual Integrations
APPROVED

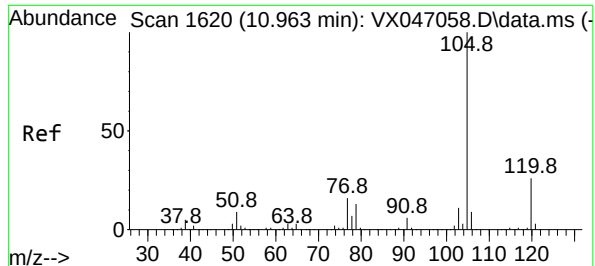
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:152 Resp: 210644
Ion Ratio Lower Upper
152 100
115 112.2 45.6 136.7
150 193.3 0.0 354.6





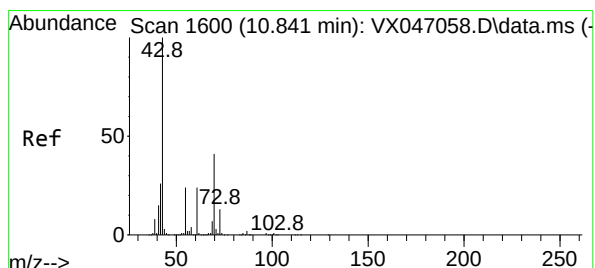
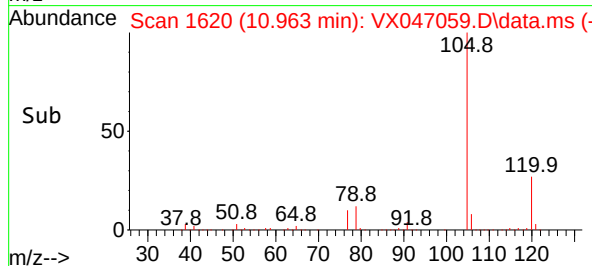
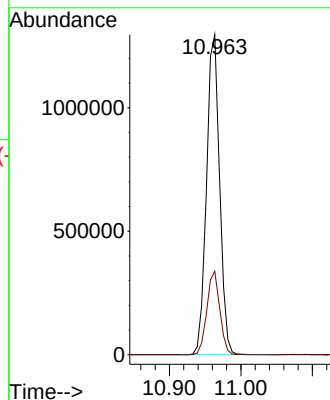
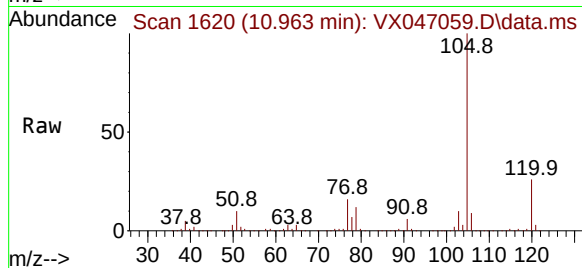
#73
Isopropylbenzene
Concen: 99.034 ug/l
RT: 10.963 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:105 Resp: 1645804
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.7

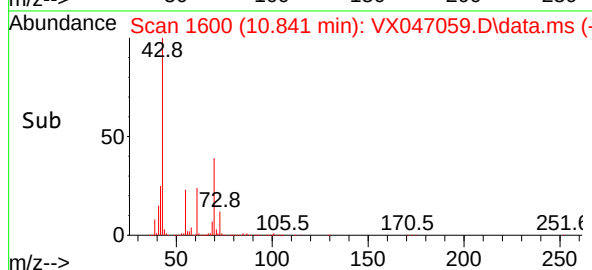
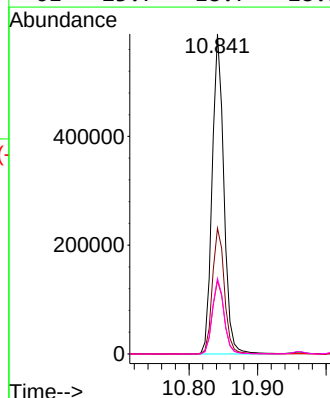
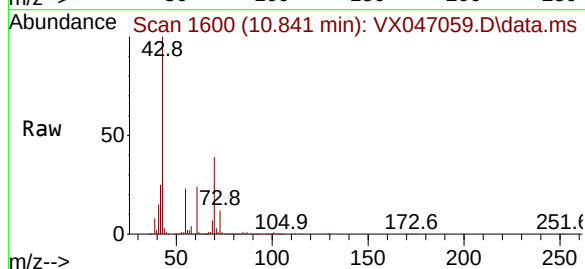
Manual Integrations
APPROVED

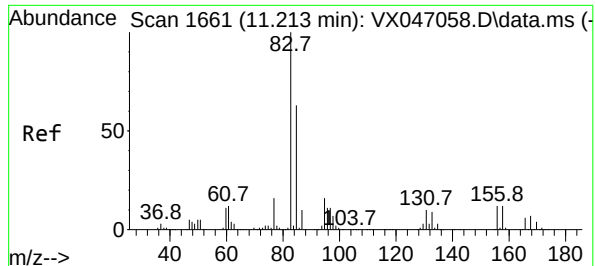
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#74
N-ethyl acetate
Concen: 105.369 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 43 Resp: 698465
Ion Ratio Lower Upper
43 100
70 40.5 32.3 48.5
55 23.3 18.9 28.3
61 23.7 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 96.283 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 45705

Ion Ratio Lower Upper

83 100

131 10.2 5.0 14.9

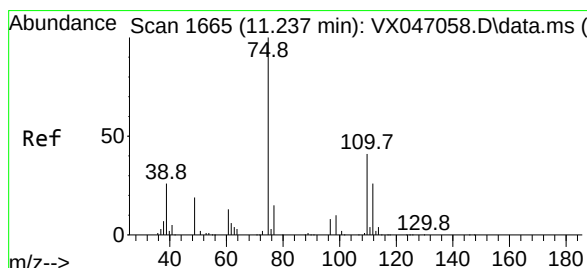
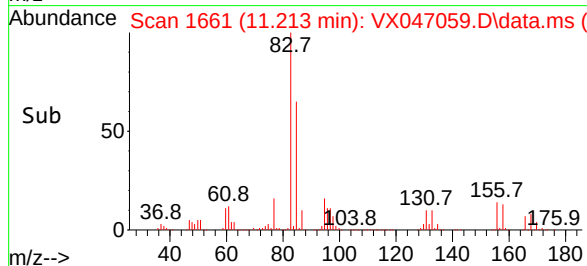
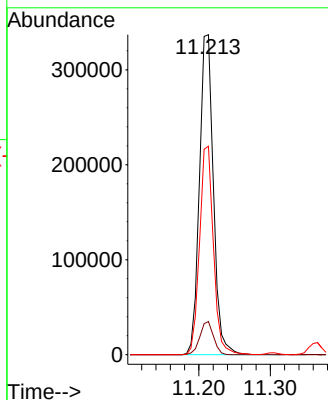
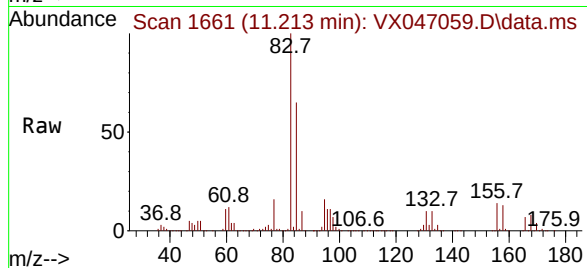
85 64.8 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#76

1,2,3-Trichloropropane

Concen: 97.686 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX047059.D

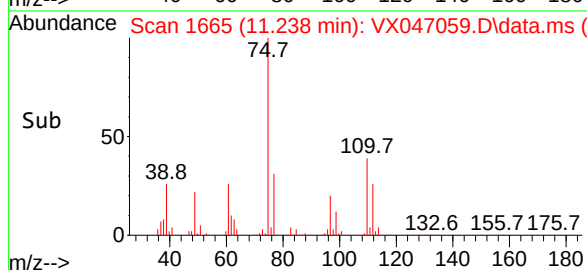
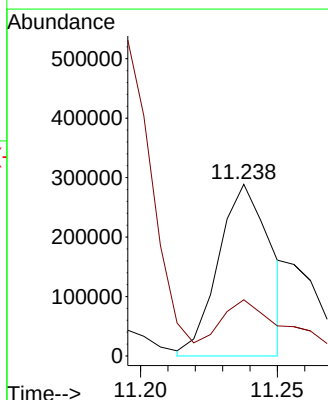
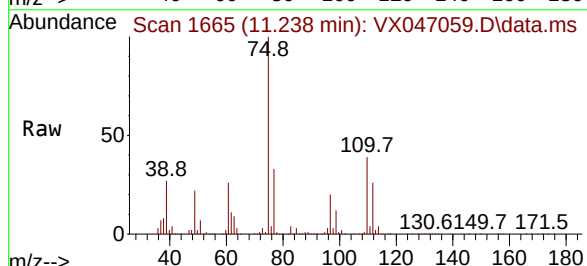
Acq: 21 Jul 2025 11:11

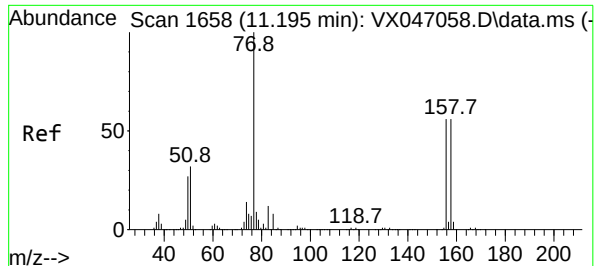
Tgt Ion: 75 Resp: 380871

Ion Ratio Lower Upper

75 100

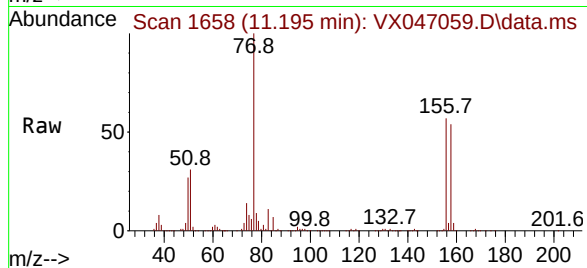
77 43.0 21.6 65.0





#77
Bromobenzene
Concen: 97.789 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

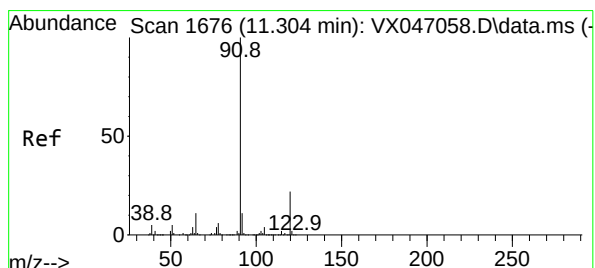
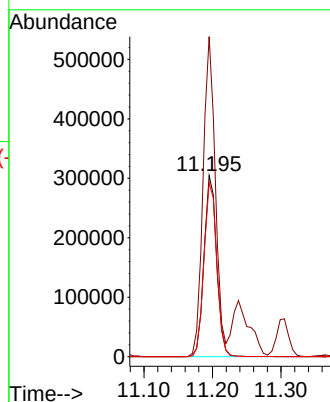
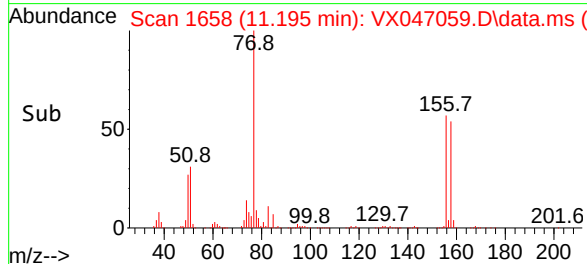
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion:156 Resp: 389788
Ion Ratio Lower Upper
156 100
77 172.5 87.3 261.9
158 97.8 48.9 146.6

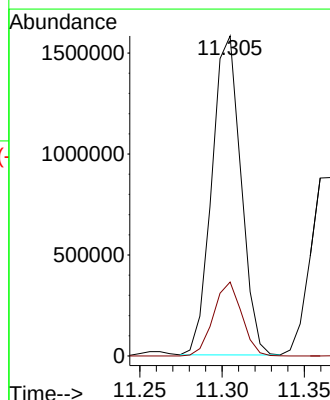
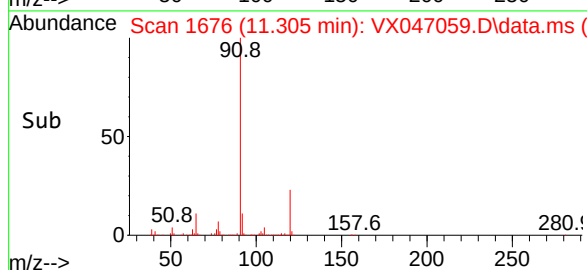
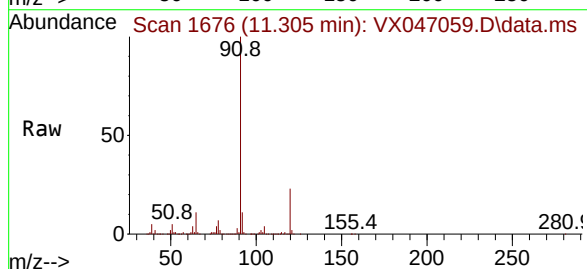
Manual Integrations
APPROVED

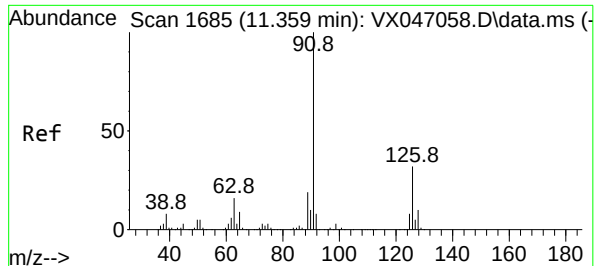
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#78
n-propylbenzene
Concen: 97.969 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 91 Resp: 1945548
Ion Ratio Lower Upper
91 100
120 22.5 11.0 33.0





#79

2-Chlorotoluene

Concen: 96.889 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 115016

Ion Ratio Lower Upper

91 100

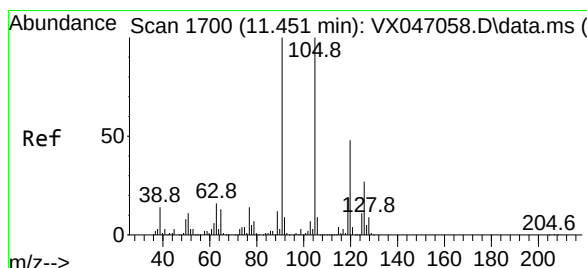
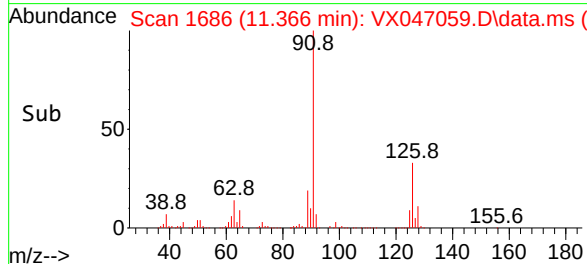
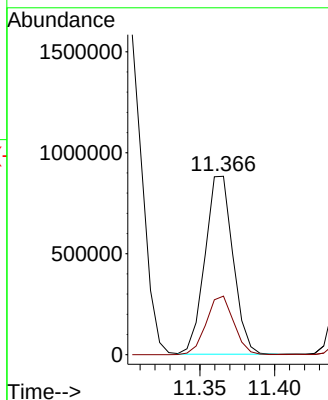
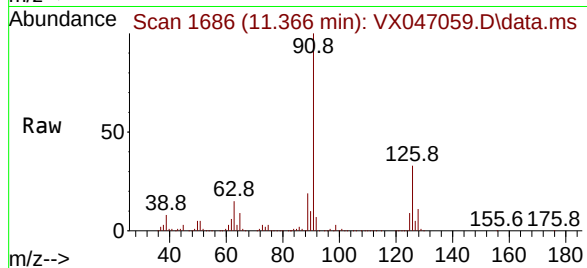
126 32.3 16.4 49.4

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#80

1,3,5-Trimethylbenzene

Concen: 97.612 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX047059.D

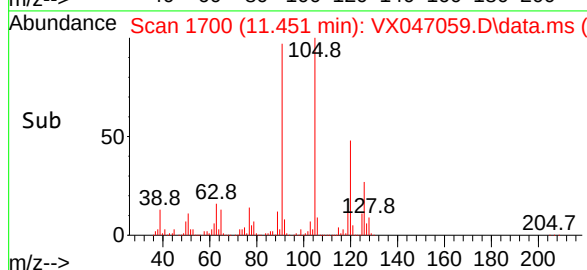
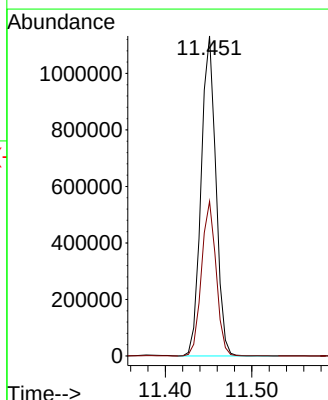
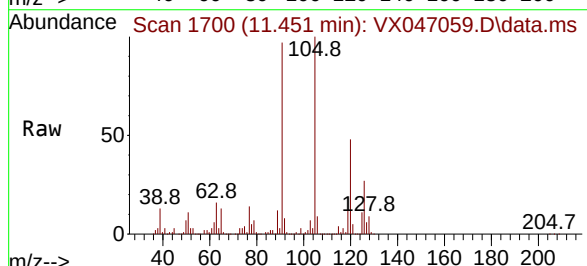
Acq: 21 Jul 2025 11:11

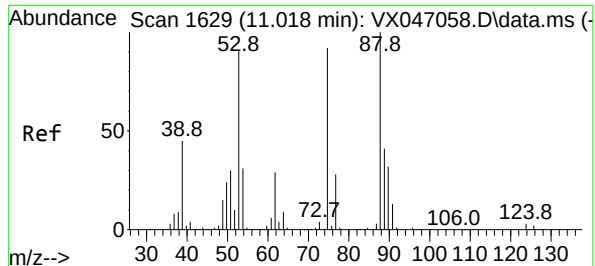
Tgt Ion:105 Resp: 1340151

Ion Ratio Lower Upper

105 100

120 47.8 23.8 71.5





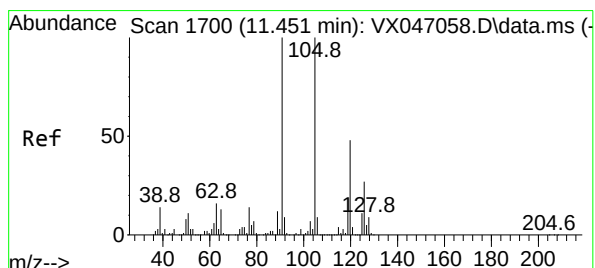
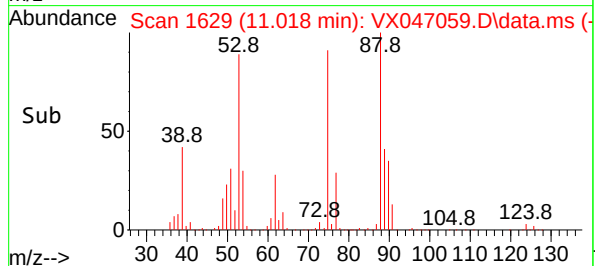
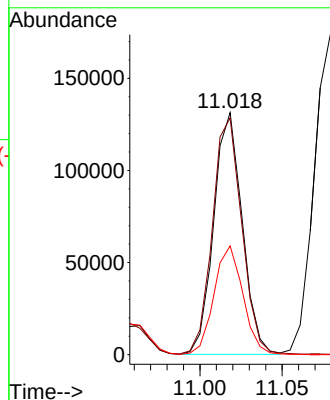
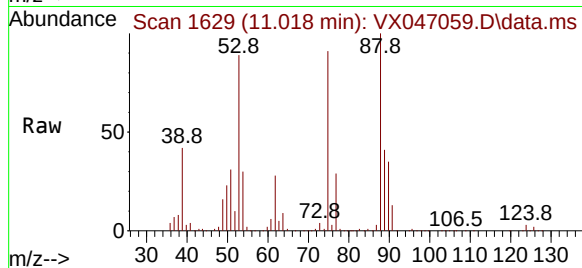
#81
trans-1,4-Dichloro-2-butene
Concen: 104.426 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 158030
Ion Ratio Lower Upper
75 100
53 101.5 84.2 126.4
89 45.8 36.0 54.0

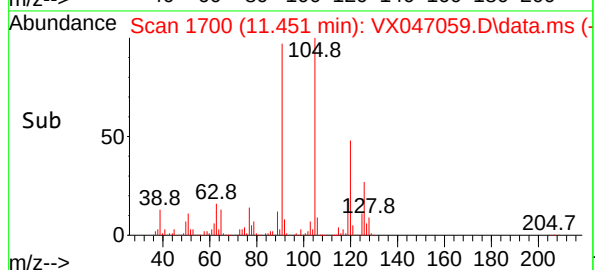
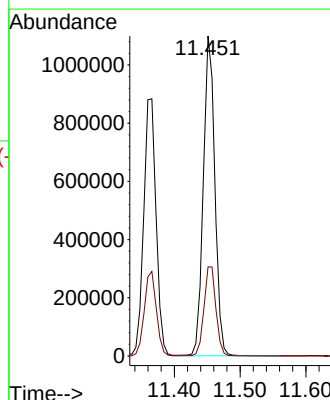
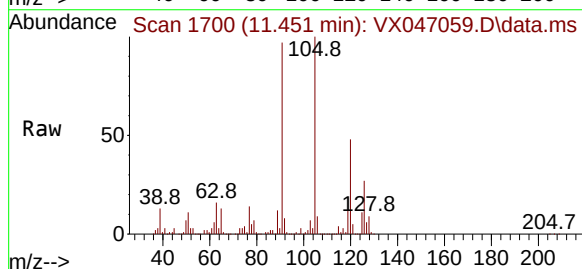
Manual Integrations
APPROVED

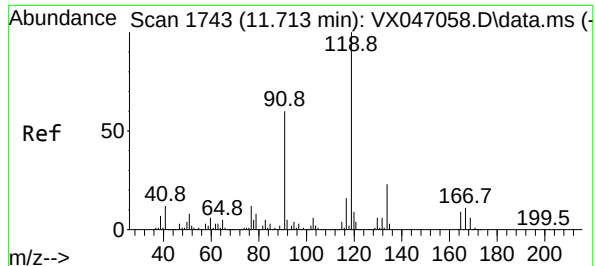
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#82
4-Chlorotoluene
Concen: 96.766 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

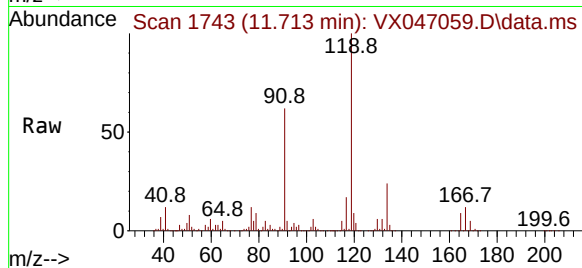
Tgt Ion: 91 Resp: 1340796
Ion Ratio Lower Upper
91 100
126 28.9 14.1 42.3





#83
tert-Butylbenzene
Concen: 97.765 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

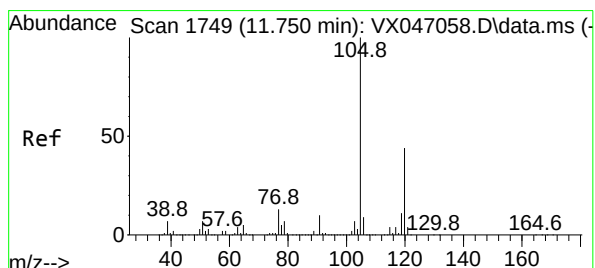
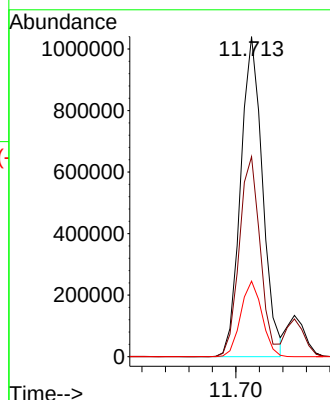
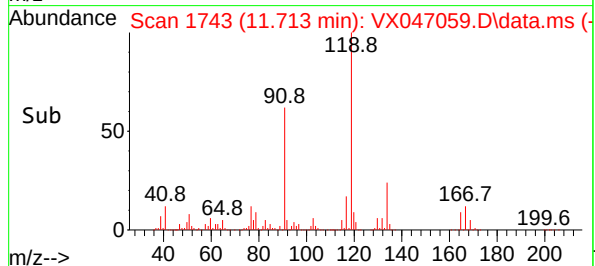
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion:119 Resp: 1347200
Ion Ratio Lower Upper
119 100
91 60.5 29.6 88.8
134 23.0 11.4 34.1

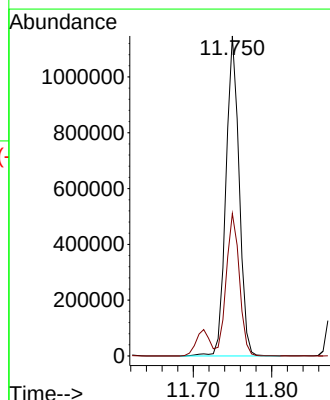
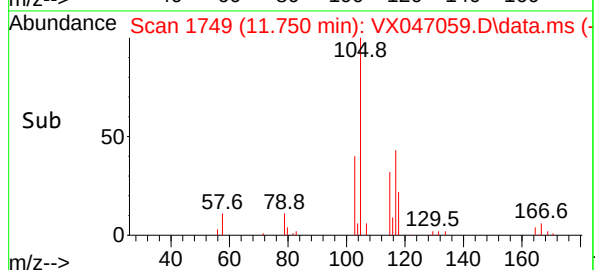
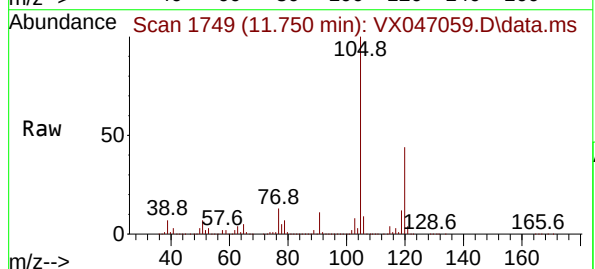
Manual Integrations
APPROVED

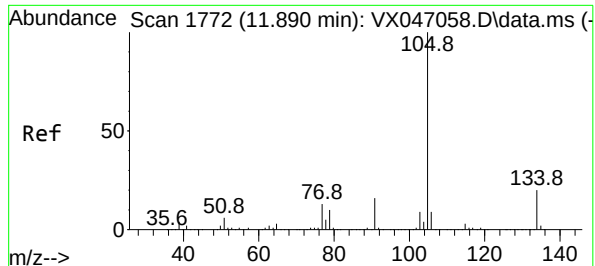
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#84
1,2,4-Trimethylbenzene
Concen: 98.362 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

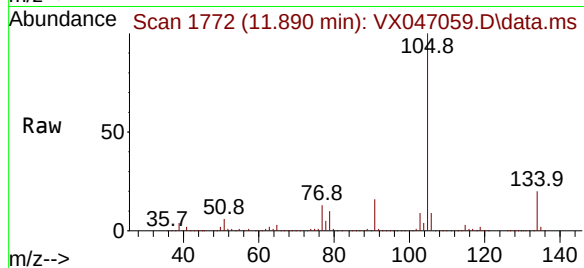
Tgt Ion:105 Resp: 1346982
Ion Ratio Lower Upper
105 100
120 44.4 22.0 66.0





#85
sec-Butylbenzene
Concen: 97.702 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

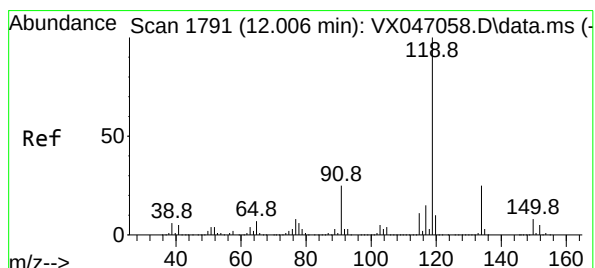
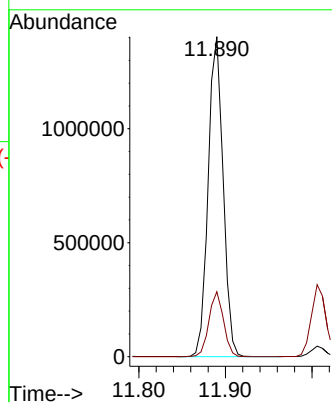
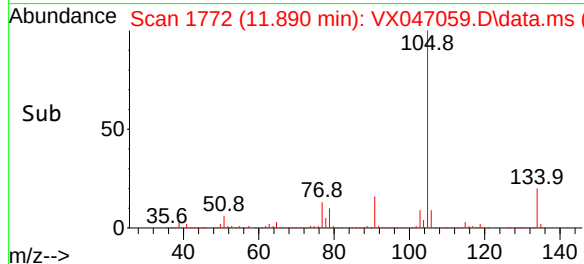
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



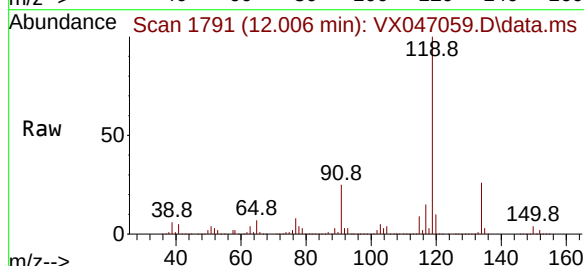
Tgt Ion:105 Resp: 1682208
Ion Ratio Lower Upper
105 100
134 19.8 9.9 29.7

Manual Integrations
APPROVED

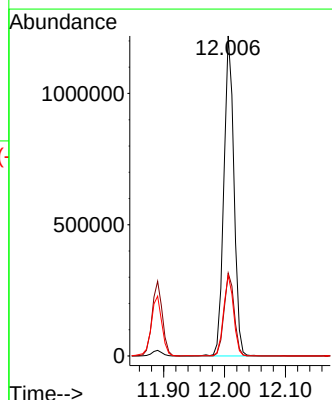
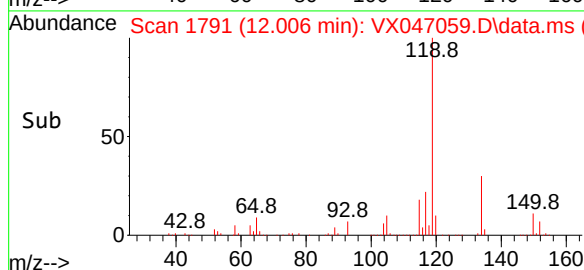
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

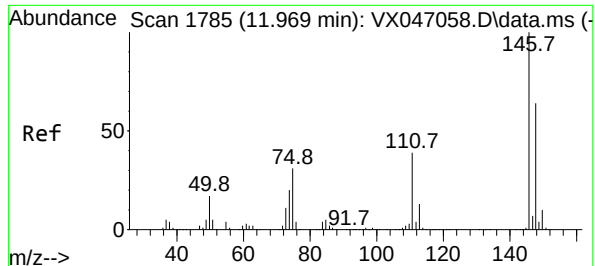


#86
p-Isopropyltoluene
Concen: 98.379 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11



Tgt Ion:119 Resp: 1404678
Ion Ratio Lower Upper
119 100
134 26.0 12.8 38.4
91 25.0 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 94.782 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 71785

Ion Ratio Lower Upper

146 100

111 42.2 21.0 63.0

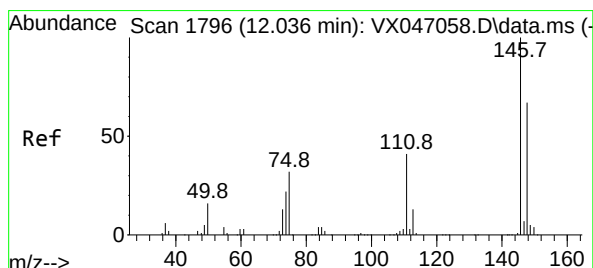
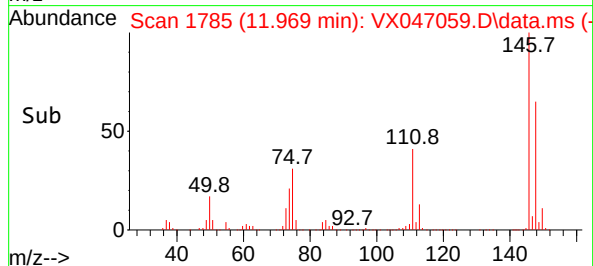
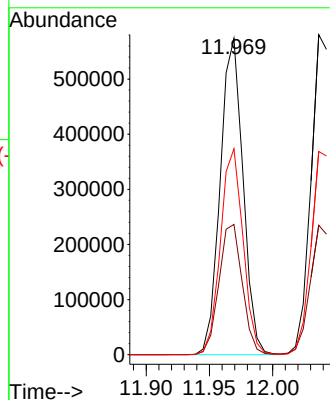
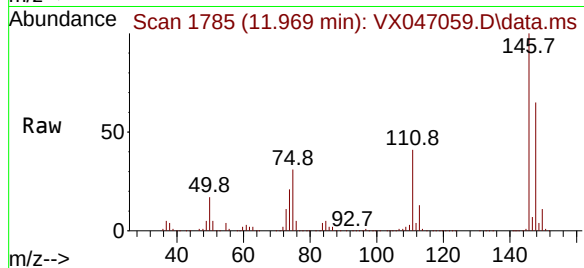
148 64.6 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#88

1,4-Dichlorobenzene

Concen: 94.617 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

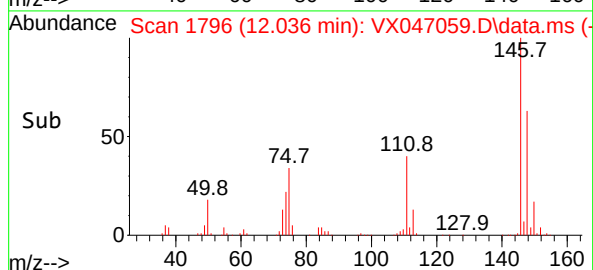
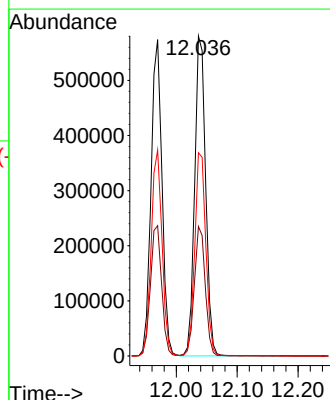
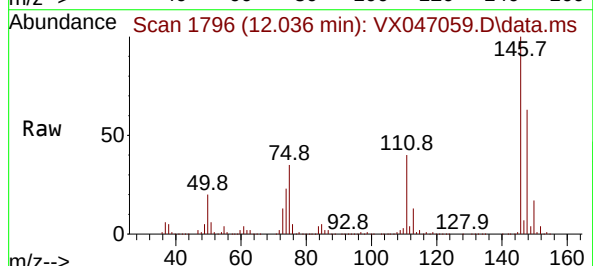
Tgt Ion:146 Resp: 726014

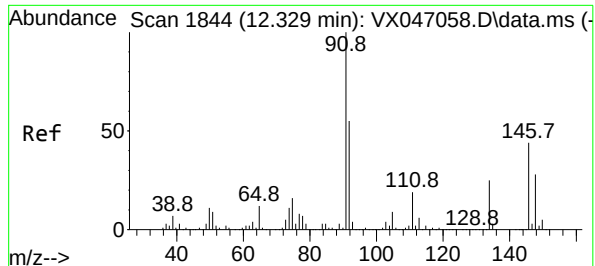
Ion Ratio Lower Upper

146 100

111 40.4 20.6 61.9

148 64.2 33.0 98.9





#89

n-Butylbenzene

Concen: 98.826 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1323274

Ion Ratio Lower Upper

91 100

92 54.9 27.5 82.5

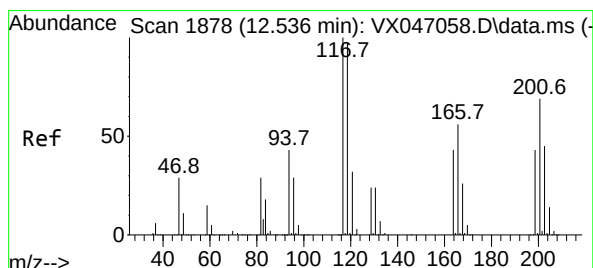
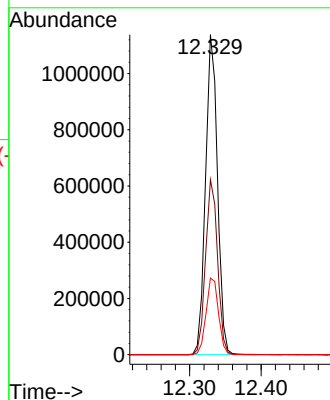
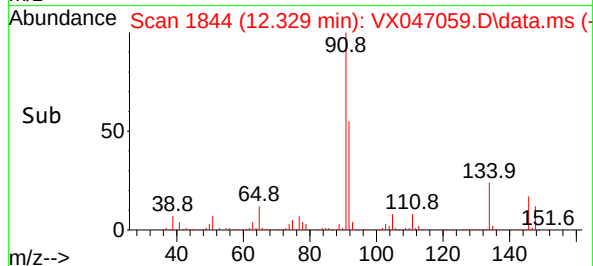
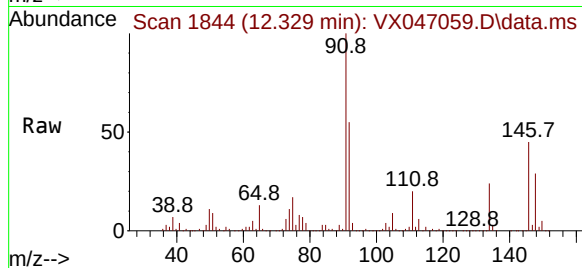
134 25.0 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#90

Hexachloroethane

Concen: 102.152 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX047059.D

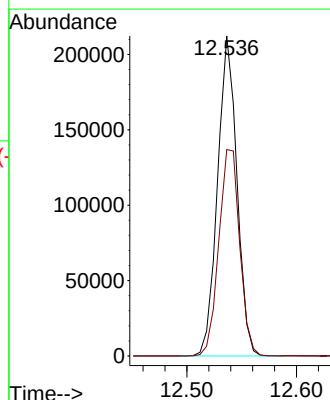
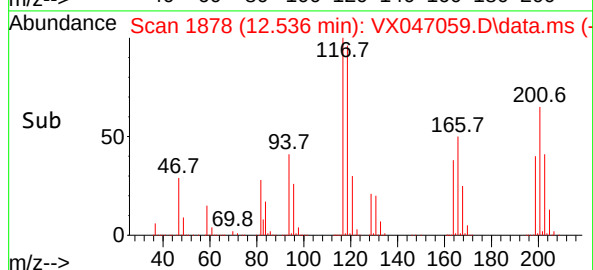
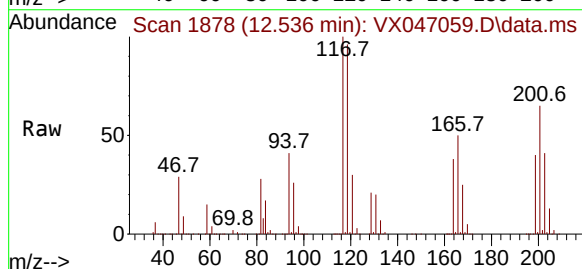
Acq: 21 Jul 2025 11:11

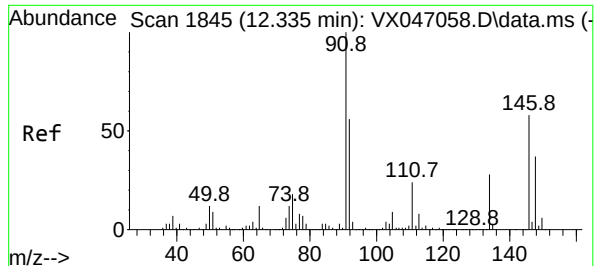
Tgt Ion:117 Resp: 260929

Ion Ratio Lower Upper

117 100

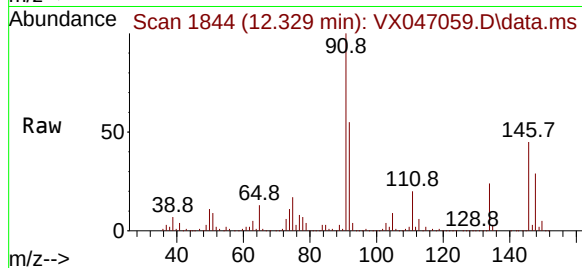
201 69.6 34.8 104.5





#91
1,2-Dichlorobenzene
Concen: 94.557 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

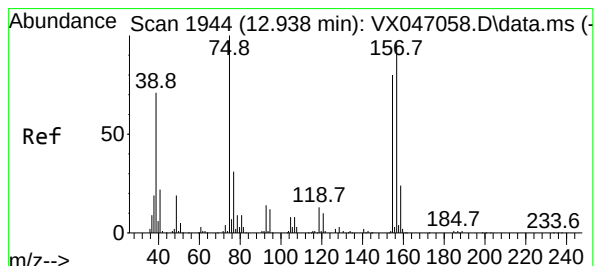
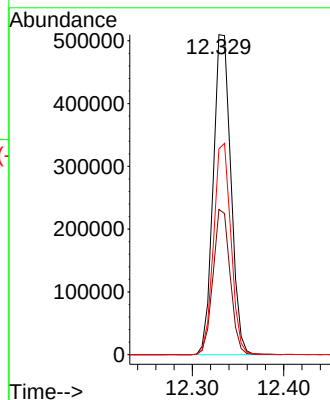
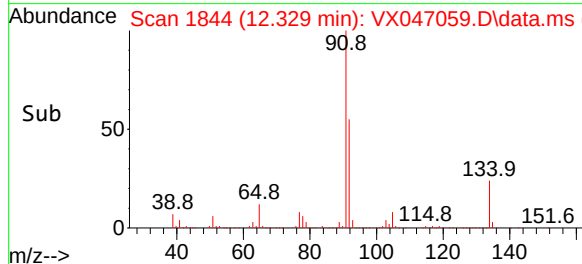
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



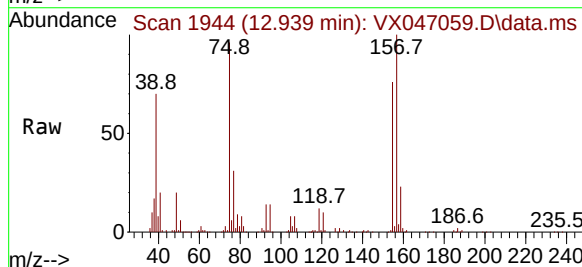
Tgt Ion:146 Resp: 684462
Ion Ratio Lower Upper
146 100
111 43.9 21.6 64.6
148 64.8 31.9 95.7

Manual Integrations
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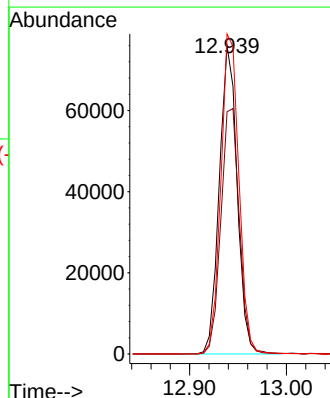
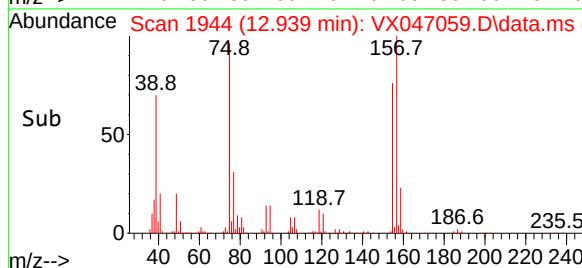
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

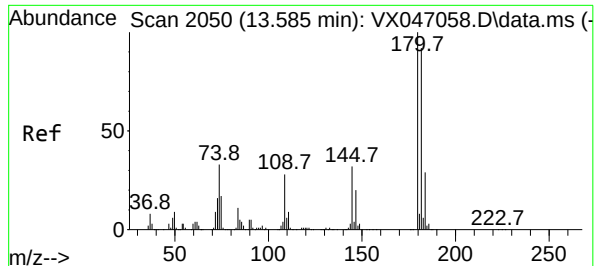


#92
1,2-Dibromo-3-Chloropropane
Concen: 106.683 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11



Tgt Ion: 75 Resp: 97209
Ion Ratio Lower Upper
75 100
155 82.3 41.3 124.1
157 104.9 52.8 158.3





#93

1,2,4-Trichlorobenzene

Concen: 100.755 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:180 Resp: 48186

Ion Ratio Lower Upper

180 100

182 94.4 47.3 141.8

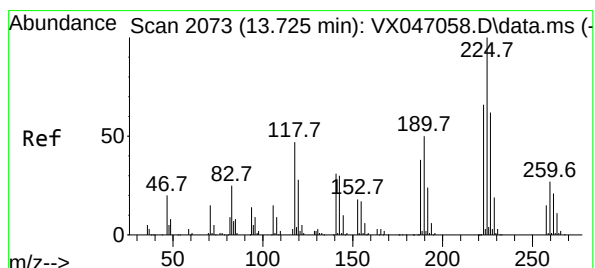
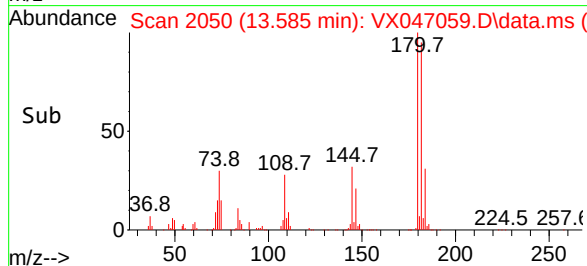
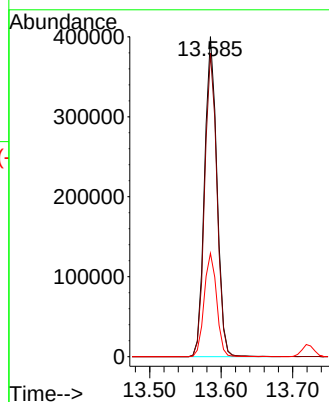
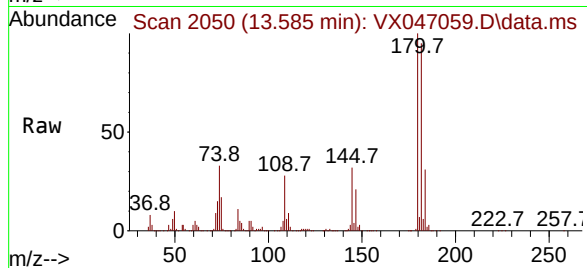
145 32.6 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#94

Hexachlorobutadiene

Concen: 101.539 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX047059.D

Acq: 21 Jul 2025 11:11

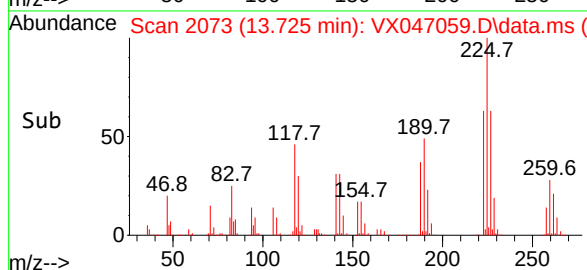
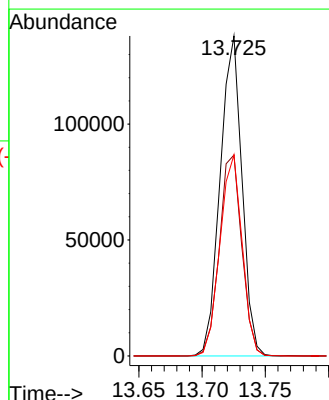
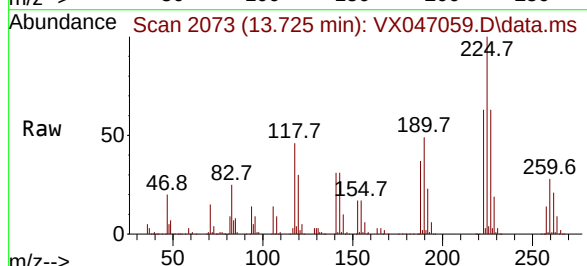
Tgt Ion:225 Resp: 165153

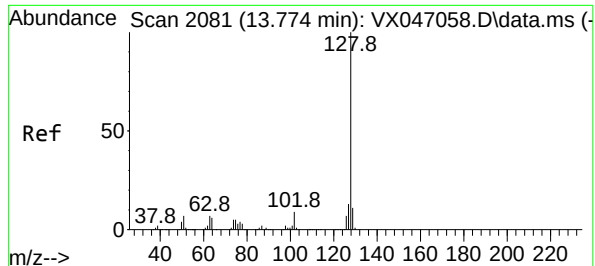
Ion Ratio Lower Upper

225 100

223 64.9 31.6 95.0

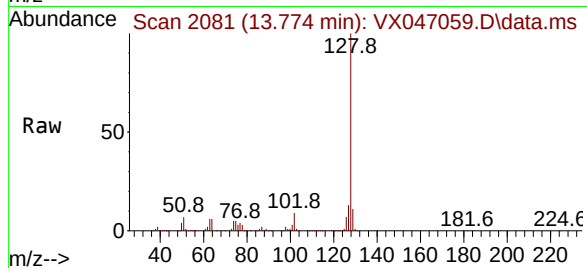
227 63.9 32.9 98.6





#95
Naphthalene
Concen: 105.135 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

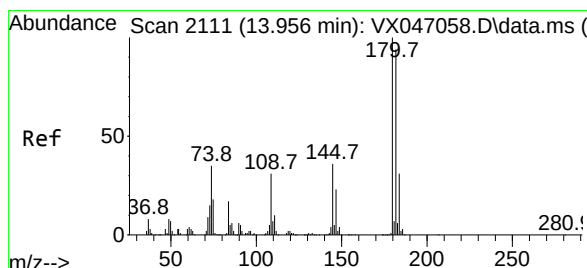
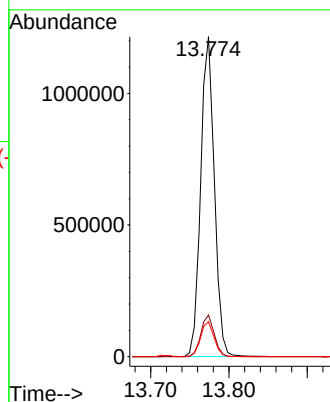
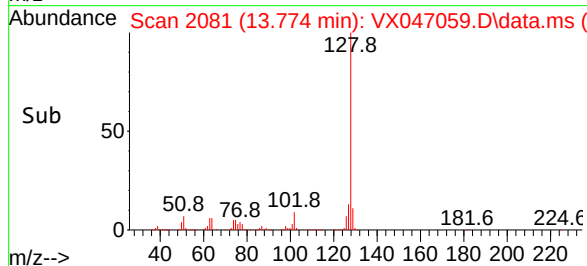
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion:128 Resp: 1474039
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.9 8.6 13.0

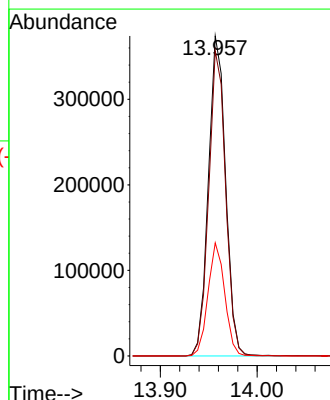
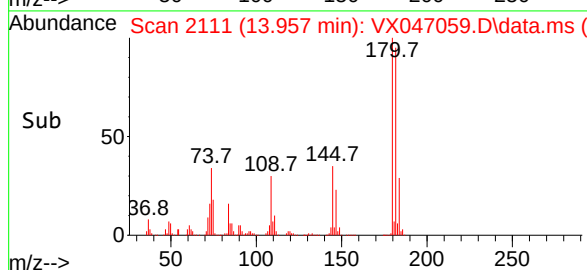
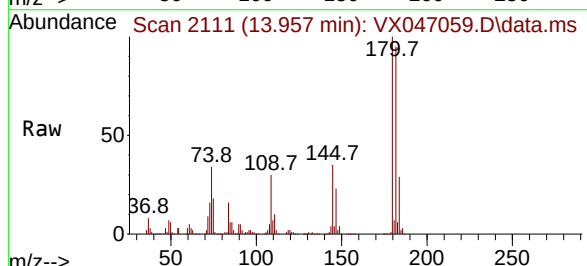
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 100.760 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:180 Resp: 464244
Ion Ratio Lower Upper
180 100
182 93.9 46.9 140.6
145 34.4 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047060.D
 Acq On : 21 Jul 2025 11:32
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 22 03:40:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
 Supervised By :Mahesh Dadoda 07/22/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	281238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	475828	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	420817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	196123	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.964	65	547497	156.279	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 312.560%#	
35) Dibromofluoromethane	5.397	113	468188	159.361	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 318.720%#	
50) Toluene-d8	8.653	98	1448057	152.197	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 304.400%#	
62) 4-Bromofluorobenzene	11.079	95	635473	154.987	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 309.980%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.179	85	614977	164.628	ug/l	99
3) Chloromethane	1.307	50	591309	160.024	ug/l	98
4) Vinyl Chloride	1.386	62	609982	153.566	ug/l	100
5) Bromomethane	1.612	94	260740	120.842	ug/l	96
6) Chloroethane	1.691	64	357637	137.087	ug/l	99
7) Trichlorofluoromethane	1.898	101	903925	152.614	ug/l	99
8) Diethyl Ether	2.148	74	312592	149.683	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	532594	149.251	ug/l	99
10) Methyl Iodide	2.465	142	640817	176.203	ug/l	99
11) Tert butyl alcohol	2.971	59	299604	752.233	ug/l	97
12) 1,1-Dichloroethene	2.331	96	527730	149.314	ug/l	98
13) Acrolein	2.246	56	563218	746.645	ug/l	99
14) Allyl chloride	2.678	41	964459	150.960	ug/l	99
15) Acrylonitrile	3.075	53	1274179	762.599	ug/l	99
16) Acetone	2.392	43	975640	695.175	ug/l	100
17) Carbon Disulfide	2.526	76	1523226	148.974	ug/l	99
18) Methyl Acetate	2.715	43	558406	149.722	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	1616941	150.323	ug/l	99
20) Methylene Chloride	2.800	84	548865	142.156	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	533003	147.371	ug/l	97
22) Diisopropyl ether	3.770	45	1792018	145.892	ug/l	97
23) Vinyl Acetate	3.733	43	7515505	762.847	ug/l	99
24) 1,1-Dichloroethane	3.623	63	1006940	147.421	ug/l	99
25) 2-Butanone	4.562	43	1525049	746.280	ug/l	98
26) 2,2-Dichloropropane	4.489	77	790347	149.478	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	627302	146.469	ug/l	99
28) Bromochloromethane	4.910	49	464333	147.764	ug/l	100
29) Tetrahydrofuran	5.013	42	995703	755.168	ug/l	99
30) Chloroform	5.105	83	982491	141.308	ug/l	97
31) Cyclohexane	5.483	56	928560	141.781	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	892102	147.721	ug/l	98
36) 1,1-Dichloropropene	5.702	75	707227	141.221	ug/l	99
37) Ethyl Acetate	4.721	43	664604	150.587	ug/l	99
38) Carbon Tetrachloride	5.690	117	771081	144.260	ug/l	99
39) Methylcyclohexane	7.385	83	932504	149.137	ug/l	98
40) Benzene	6.044	78	2112753	145.777	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047060.D
 Acq On : 21 Jul 2025 11:32
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:40:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	373711	154.886	ug/l	98
42) 1,2-Dichloroethane	6.092	62	737991	144.555	ug/l	99
43) Isopropyl Acetate	6.342	43	1145157	159.182	ug/l	99
44) Trichloroethene	7.129	130	547123	147.215	ug/l	97
45) 1,2-Dichloropropane	7.434	63	529204	145.791	ug/l	97
46) Dibromomethane	7.586	93	381666	149.938	ug/l	99
47) Bromodichloromethane	7.824	83	794793	146.693	ug/l	99
48) Methyl methacrylate	7.696	41	589190	150.339	ug/l	99
49) 1,4-Dioxane	7.665	88	141473	3173.881	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	3143746	735.203	ug/l	100
52) Toluene	8.720	92	1298426	145.703	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	802670	156.884	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	876033	156.442	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	478247	143.101	ug/l	99
56) Ethyl methacrylate	9.116	69	791875	160.053	ug/l	99
57) 1,3-Dichloropropane	9.305	76	823631	141.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	2120903	770.350	ug/l	99
59) 2-Hexanone	9.433	43	2172764	769.096	ug/l	99
60) Dibromochloromethane	9.519	129	583183	148.786	ug/l	99
61) 1,2-Dibromoethane	9.610	107	500995	143.366	ug/l	99
64) Tetrachloroethene	9.275	164	433805	142.999	ug/l	98
65) Chlorobenzene	10.079	112	1432482	145.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	495347	149.242	ug/l	98
67) Ethyl Benzene	10.195	91	2508990	145.559	ug/l	100
68) m/p-Xylenes	10.299	106	1848008	286.495	ug/l	98
69) o-Xylene	10.640	106	897705	146.292	ug/l	100
70) Styrene	10.653	104	1538516	146.214	ug/l	99
71) Bromoform	10.799	173	377881	149.877	ug/l #	100
73) Isopropylbenzene	10.963	105	2341028	151.299	ug/l	99
74) N-amyl acetate	10.842	43	1017450	164.856	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	649081	146.858	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	542883m	149.549	ug/l	
77) Bromobenzene	11.195	156	555966	149.806	ug/l	99
78) n-propylbenzene	11.305	91	2790577	150.924	ug/l	99
79) 2-Chlorotoluene	11.366	91	1641174	148.487	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	1921023	150.280	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	234105	166.150	ug/l	95
82) 4-Chlorotoluene	11.451	91	1901346	147.381	ug/l	99
83) tert-Butylbenzene	11.713	119	1941048	151.288	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	1923088	150.829	ug/l	100
85) sec-Butylbenzene	11.890	105	2386553	148.873	ug/l	100
86) p-Isopropyltoluene	12.006	119	2001346	150.546	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	1044993	148.192	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	1039670	145.525	ug/l	98
89) n-Butylbenzene	12.329	91	1874924	150.392	ug/l	99
90) Hexachloroethane	12.536	117	376780	158.429	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	994860	147.614	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	142395	167.843	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	691853	155.373	ug/l	100
94) Hexachlorobutadiene	13.725	225	224504	148.249	ug/l	97
95) Naphthalene	13.774	128	2171681	166.363	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	662501	154.436	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/22/2025
Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

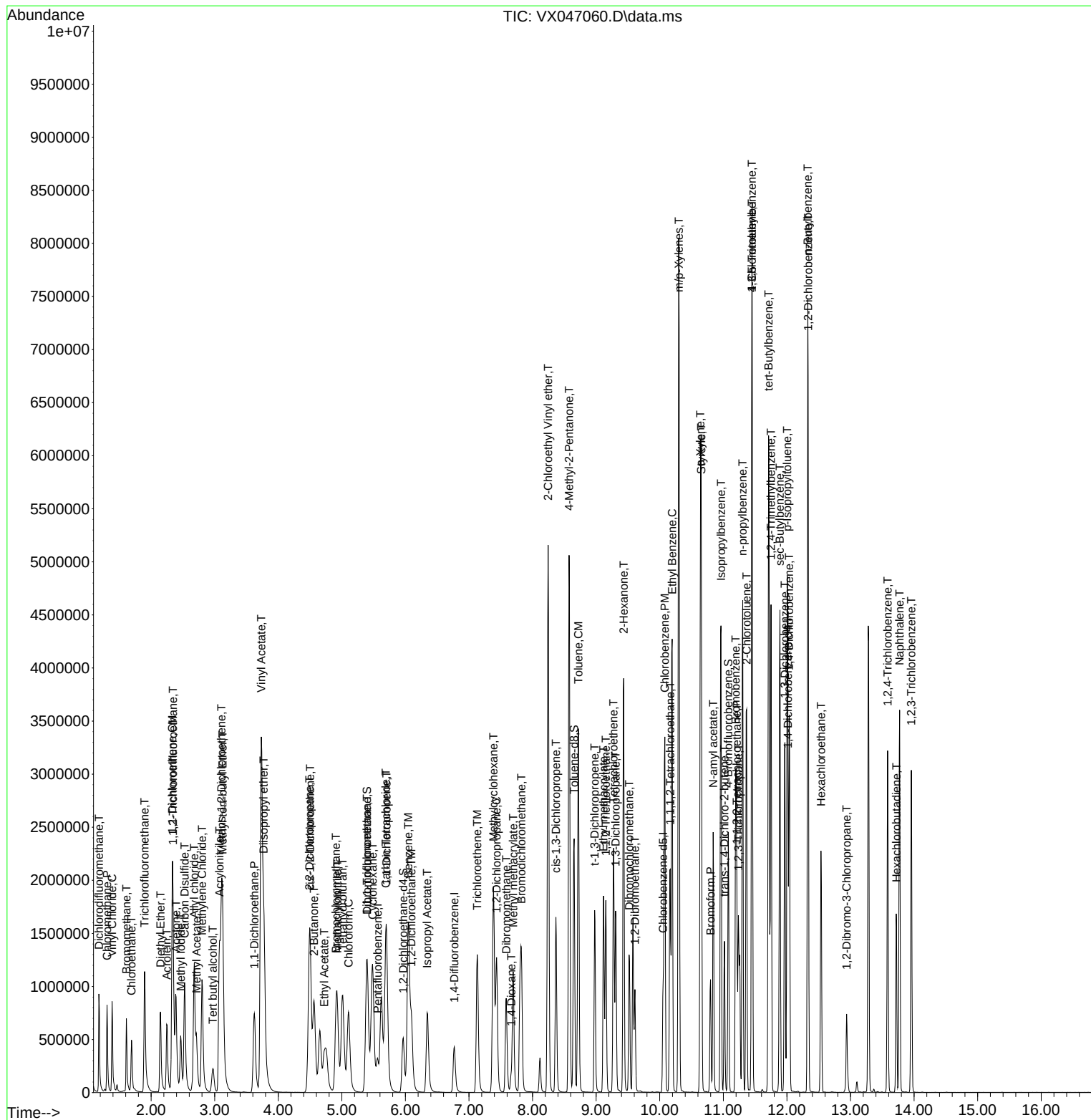
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

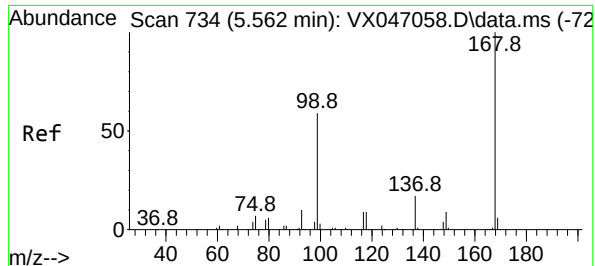
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

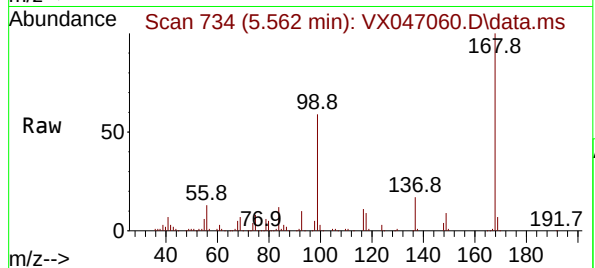
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

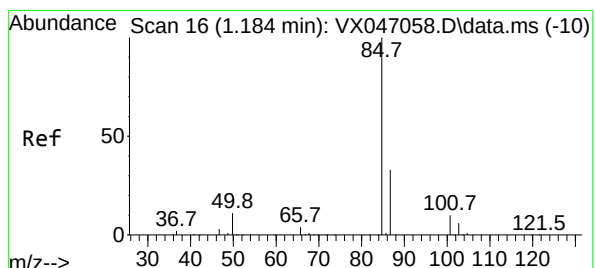
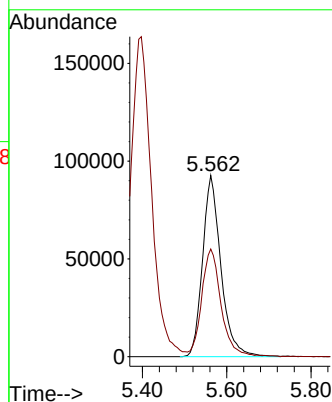
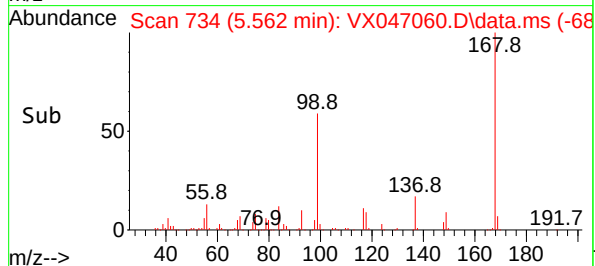
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:168 Resp: 281238
Ion Ratio Lower Upper
168 100
99 59.4 48.0 72.0

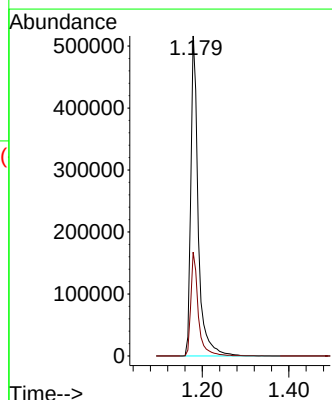
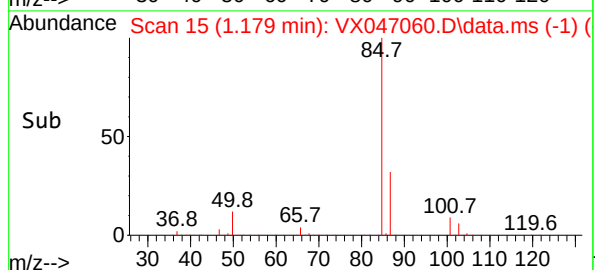
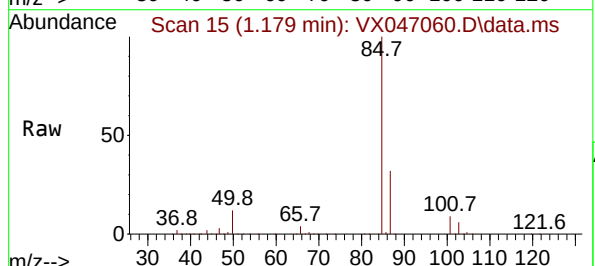
Manual Integrations
APPROVED

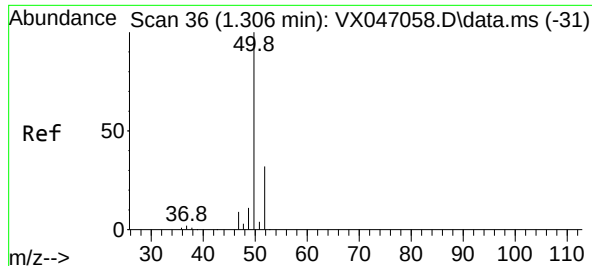
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#2
Dichlorodifluoromethane
Concen: 164.628 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

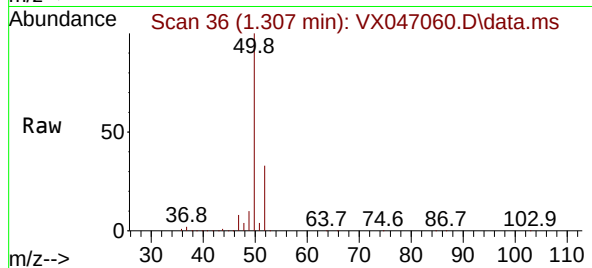
Tgt Ion: 85 Resp: 614977
Ion Ratio Lower Upper
85 100
87 32.4 16.6 49.8





#3
Chloromethane
Concen: 160.024 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

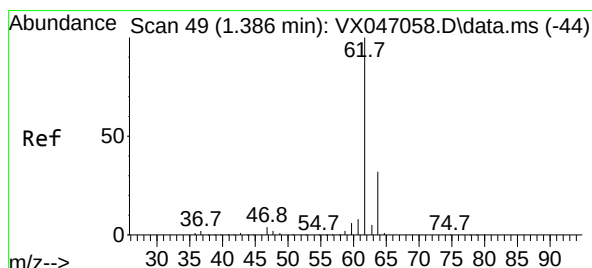
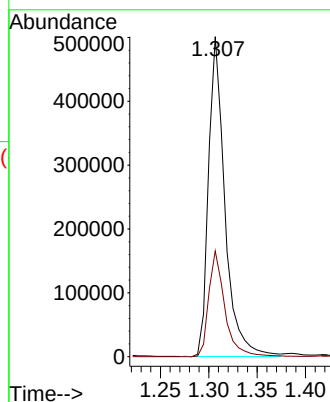
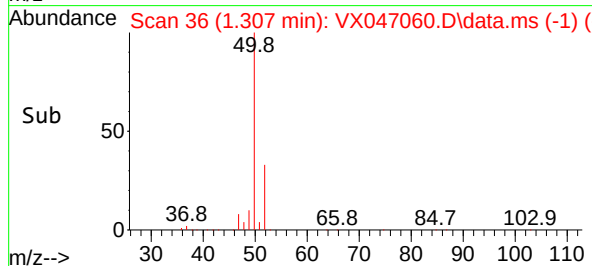
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 50 Resp: 591309
Ion Ratio Lower Upper
50 100
52 33.1 25.4 38.2

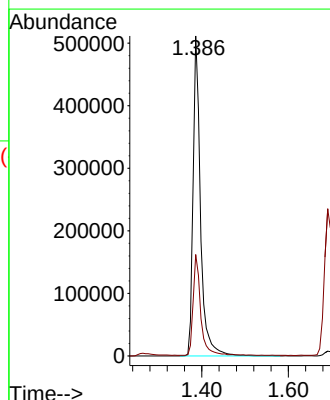
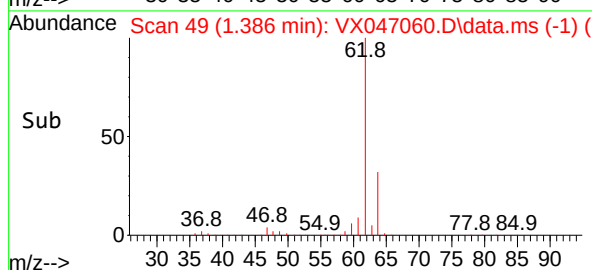
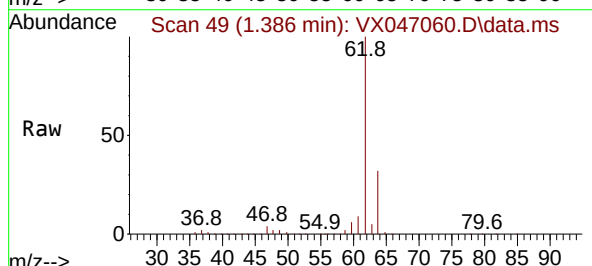
Manual Integrations
APPROVED

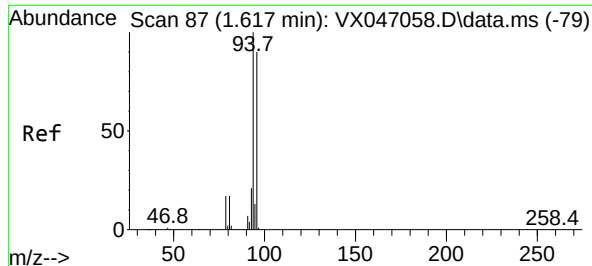
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#4
Vinyl Chloride
Concen: 153.566 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

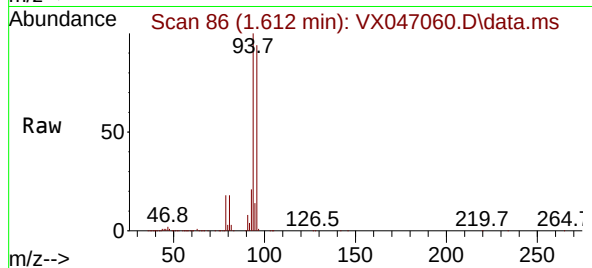
Tgt Ion: 62 Resp: 609982
Ion Ratio Lower Upper
62 100
64 31.5 25.2 37.8





#5
Bromomethane
Concen: 120.842 ug/l
RT: 1.612 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

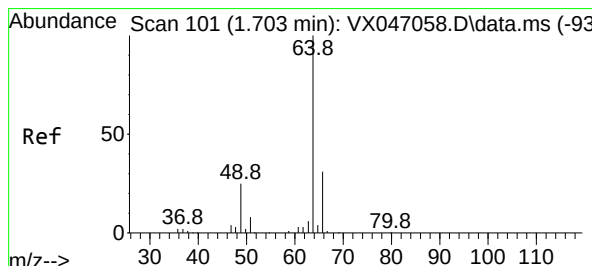
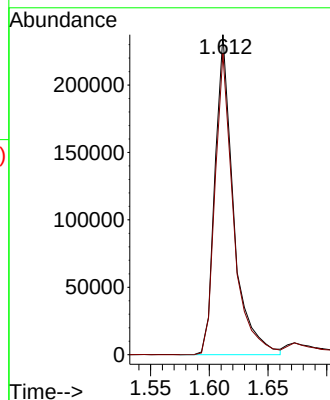
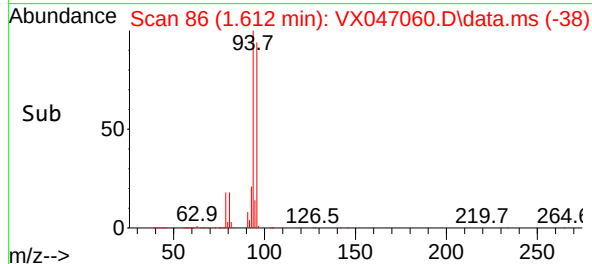
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 94 Resp: 260740
Ion Ratio Lower Upper
94 100
96 94.1 72.3 108.5

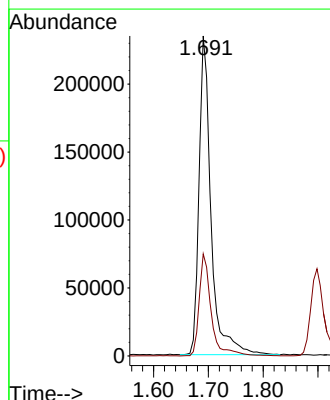
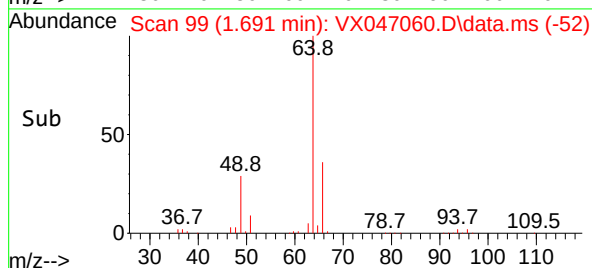
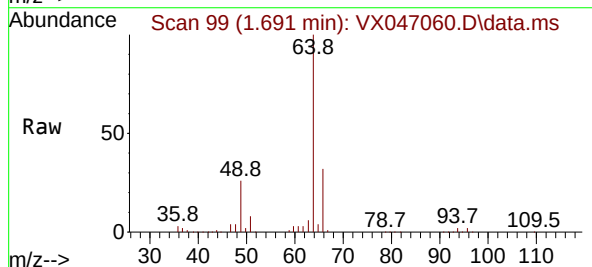
Manual Integrations
APPROVED

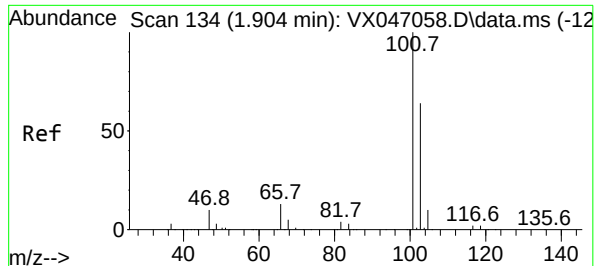
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#6
Chloroethane
Concen: 137.087 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.012 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

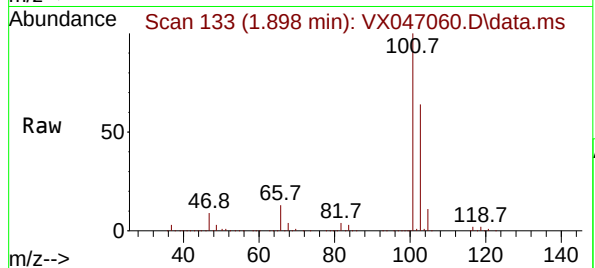
Tgt Ion: 64 Resp: 357637
Ion Ratio Lower Upper
64 100
66 32.0 25.0 37.6





#7
Trichlorofluoromethane
Concen: 152.614 ug/l
RT: 1.898 min Scan# 134
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

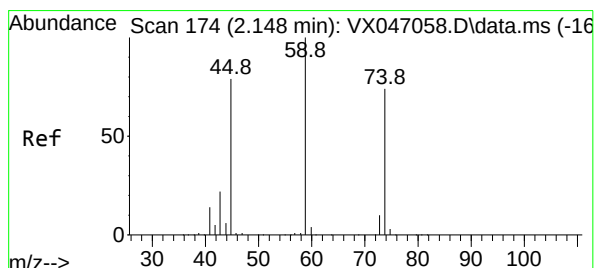
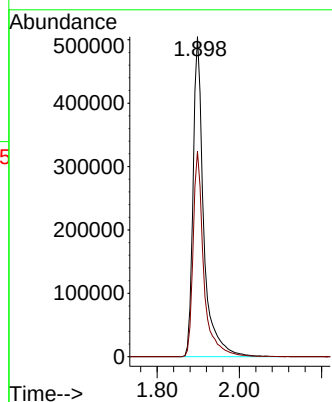
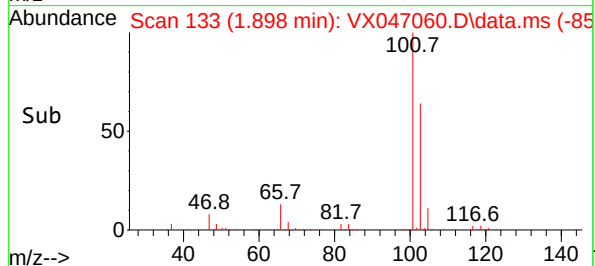
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:101 Resp: 903925
Ion Ratio Lower Upper
101 100
103 64.1 50.9 76.3

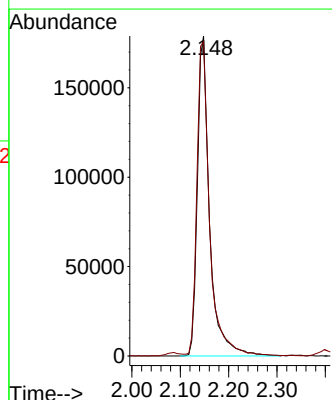
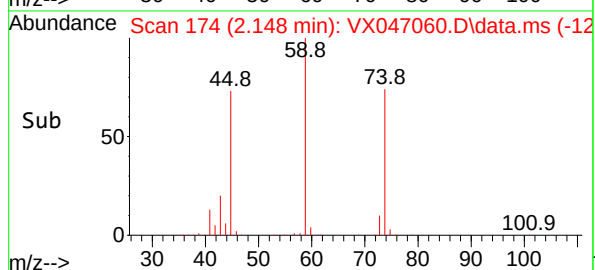
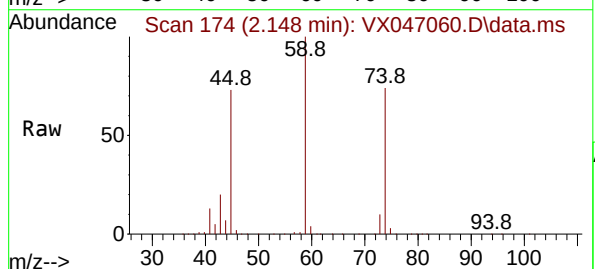
Manual Integrations
APPROVED

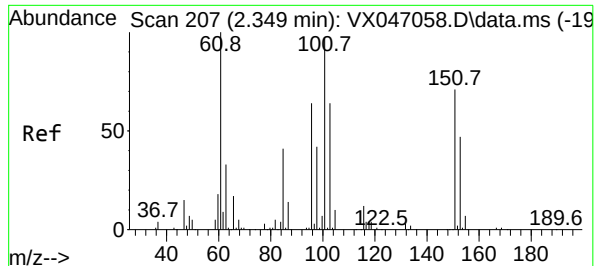
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#8
Diethyl Ether
Concen: 149.683 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

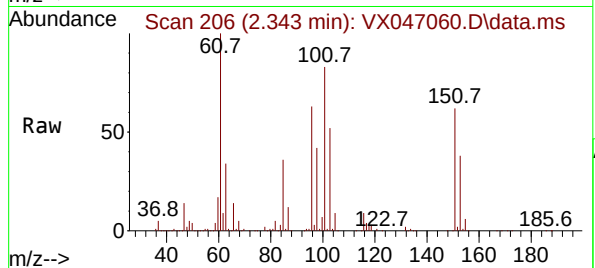
Tgt Ion: 74 Resp: 312592
Ion Ratio Lower Upper
74 100
45 101.9 53.0 159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 149.251 ug/l
RT: 2.343 min Scan# 207
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

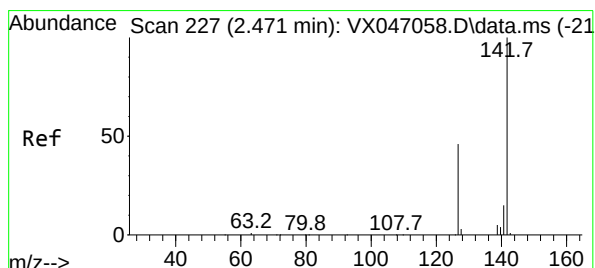
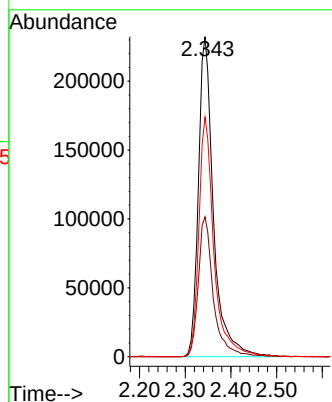
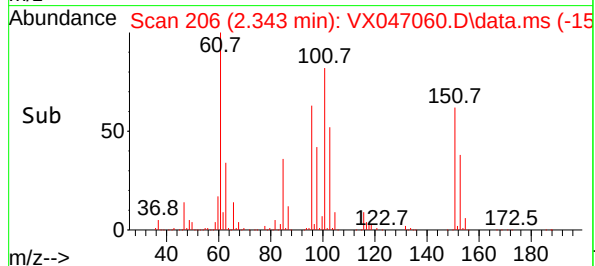
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:101 Resp: 532594
Ion Ratio Lower Upper
101 100
85 43.8 35.4 53.0
151 74.8 59.2 88.8

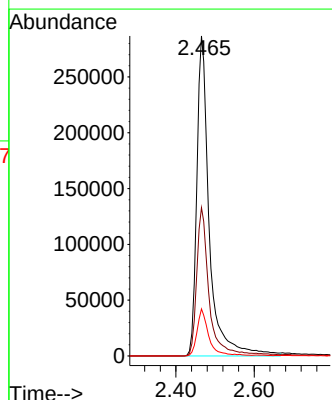
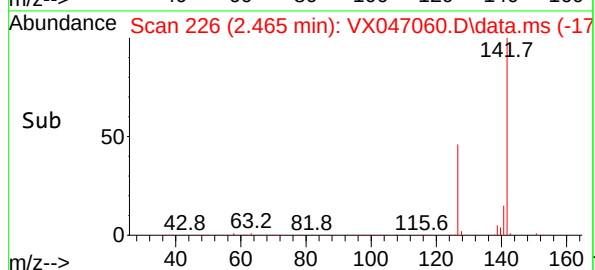
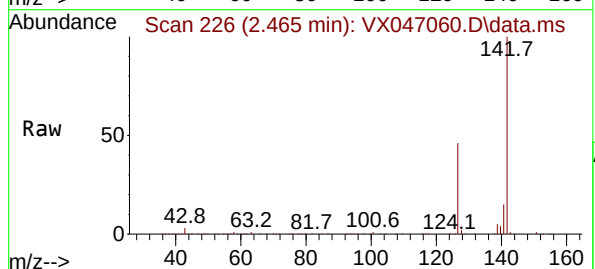
Manual Integrations
APPROVED

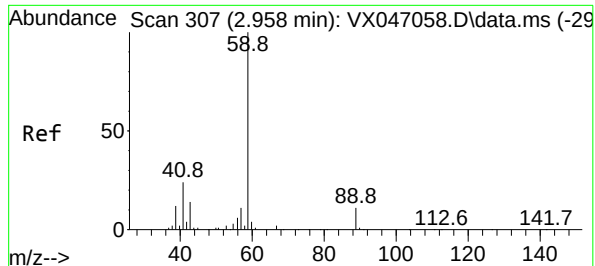
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#10
Methyl Iodide
Concen: 176.203 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:142 Resp: 640817
Ion Ratio Lower Upper
142 100
127 46.4 36.6 54.8
141 13.8 10.9 16.3





#11

Tert butyl alcohol

Concen: 752.233 ug/l

RT: 2.971 min Scan# 307

Delta R.T. 0.013 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 299604

Ion Ratio Lower Upper

59 100

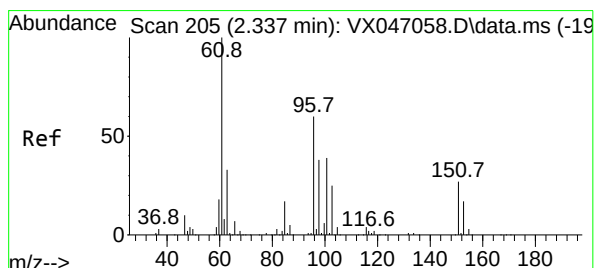
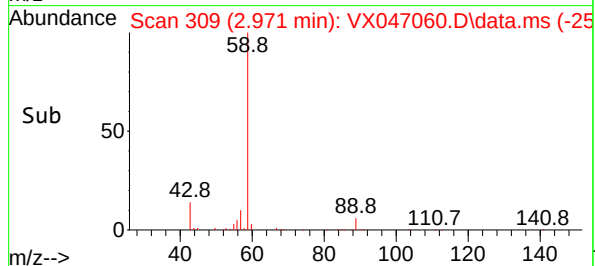
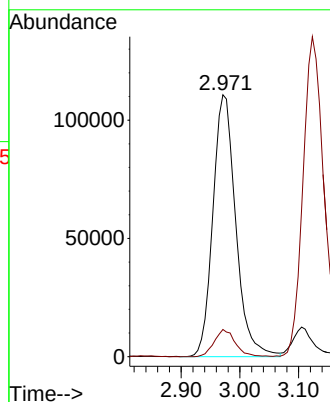
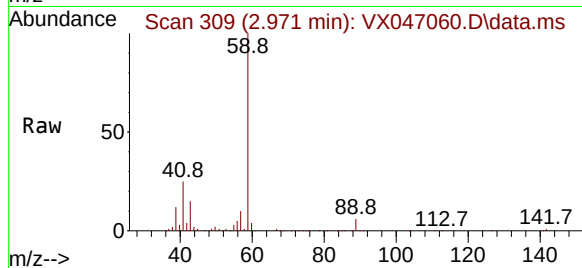
57 9.6 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#12

1,1-Dichloroethene

Concen: 149.314 ug/l

RT: 2.331 min Scan# 204

Delta R.T. -0.006 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

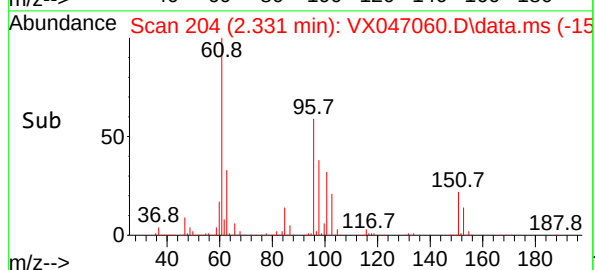
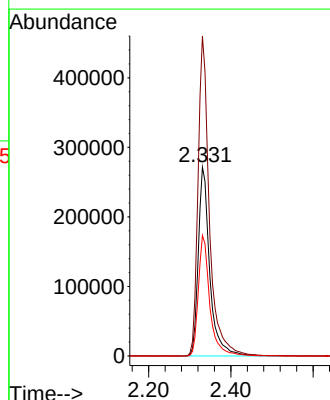
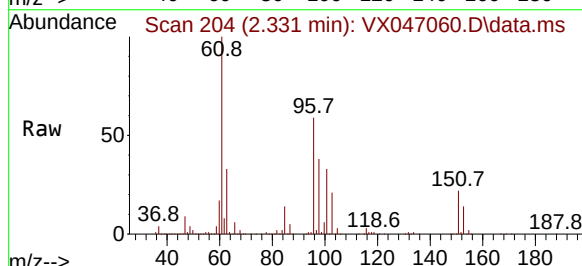
Tgt Ion: 96 Resp: 527730

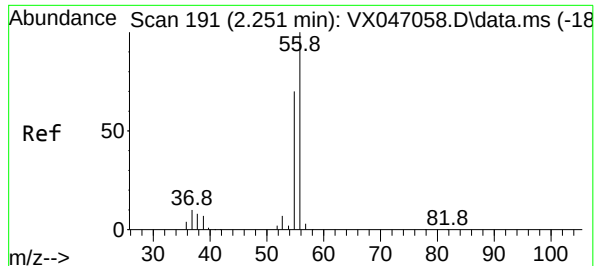
Ion Ratio Lower Upper

96 100

61 169.3 132.6 198.8

98 63.9 50.2 75.4





#13

Acrolein

Concen: 746.645 ug/l

RT: 2.246 min Scan# 191

Delta R.T. -0.006 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 563218

Ion Ratio Lower Upper

56 100

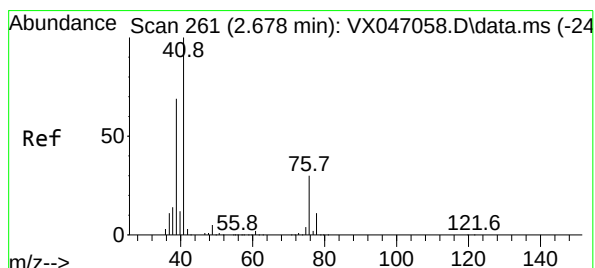
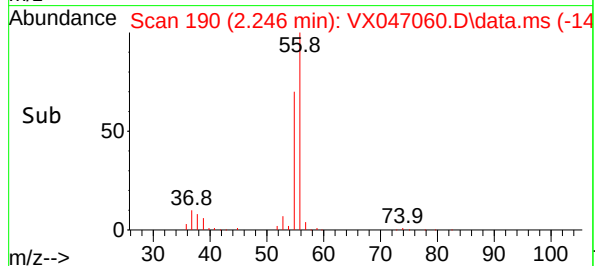
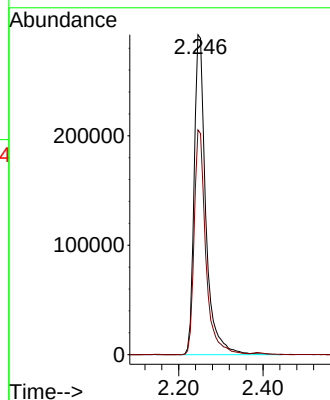
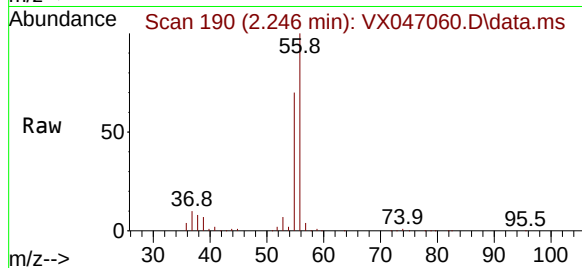
55 70.1 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#14

Allyl chloride

Concen: 150.960 ug/l

RT: 2.678 min Scan# 261

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

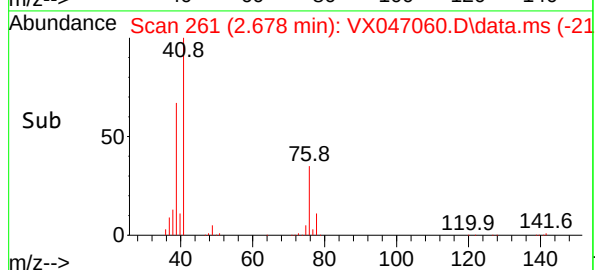
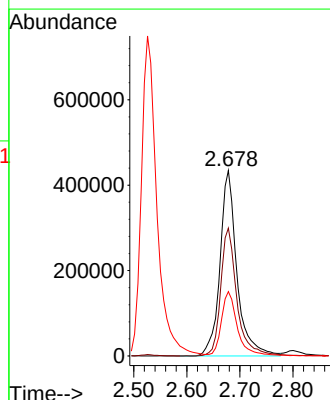
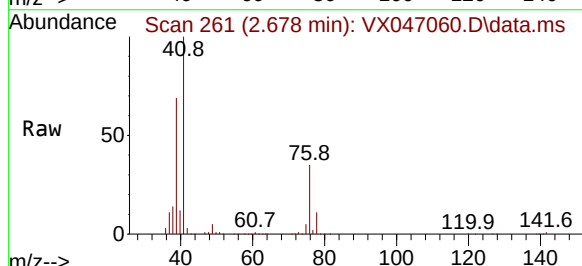
Tgt Ion: 41 Resp: 964459

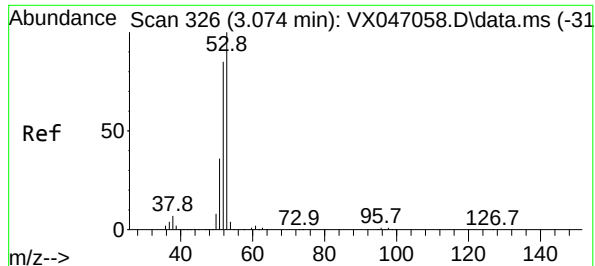
Ion Ratio Lower Upper

41 100

39 66.1 52.6 78.8

76 32.7 25.7 38.5





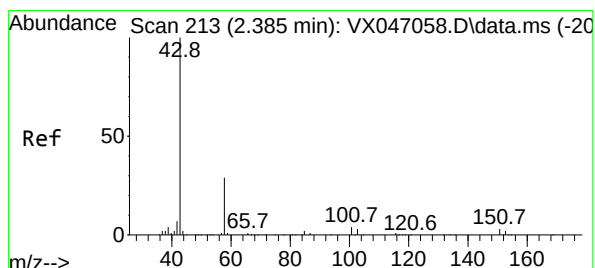
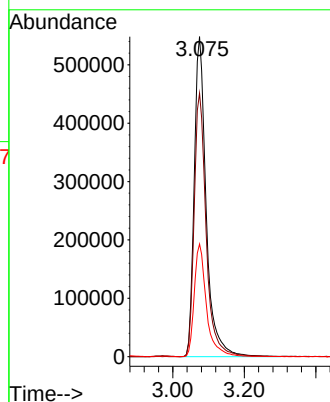
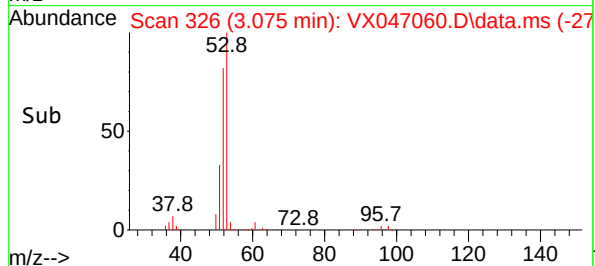
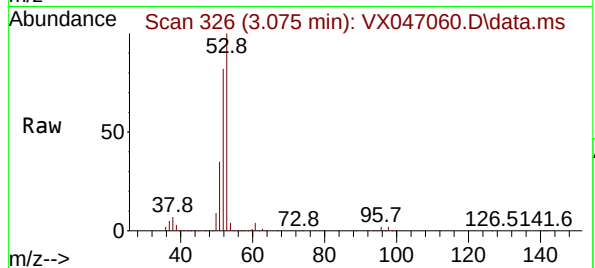
#15
Acrylonitrile
Concen: 762.599 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 53 Resp: 1274179
Ion Ratio Lower Upper
53 100
52 82.9 65.7 98.5
51 36.0 28.8 43.2

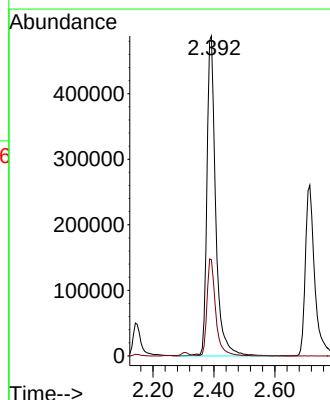
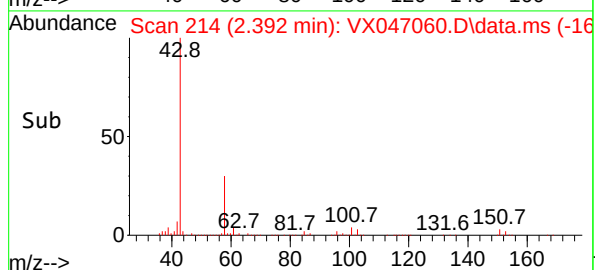
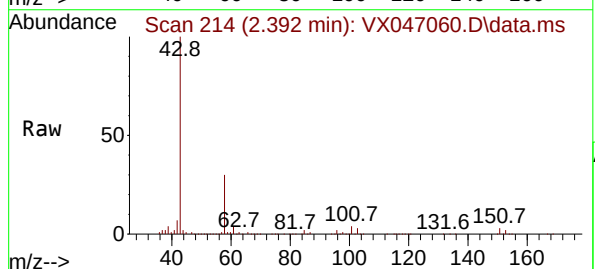
Manual Integrations
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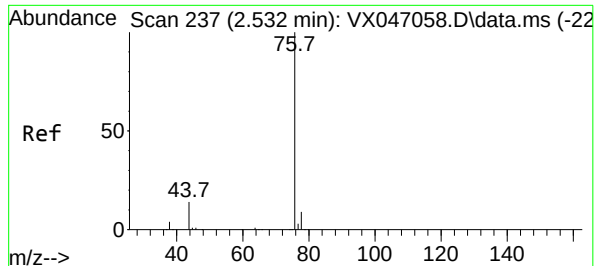
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#16
Acetone
Concen: 695.175 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 43 Resp: 975640
Ion Ratio Lower Upper
43 100
58 30.1 24.0 36.0





#17

Carbon Disulfide

Concen: 148.974 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 1523220

Ion Ratio Lower Upper

76 100

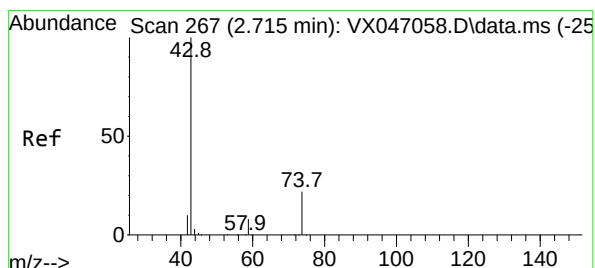
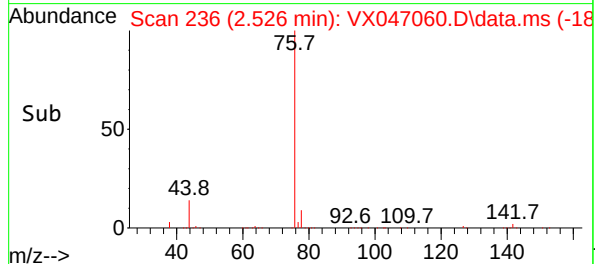
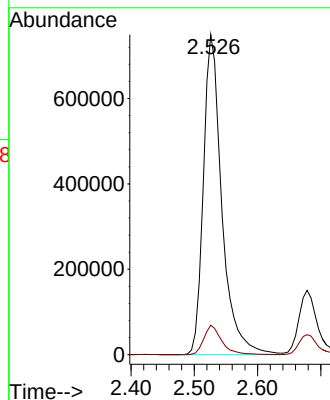
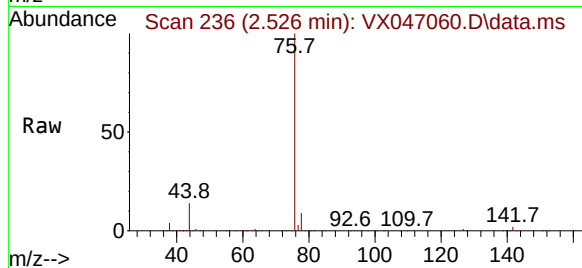
78 9.2 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#18

Methyl Acetate

Concen: 149.722 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.000 min

Lab File: VX047060.D

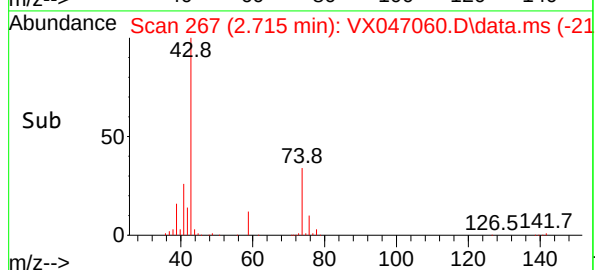
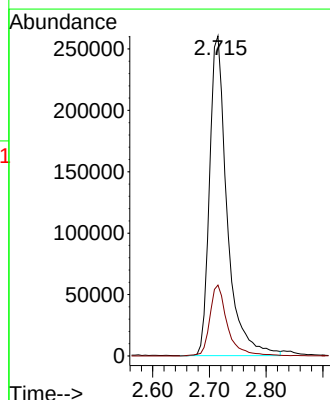
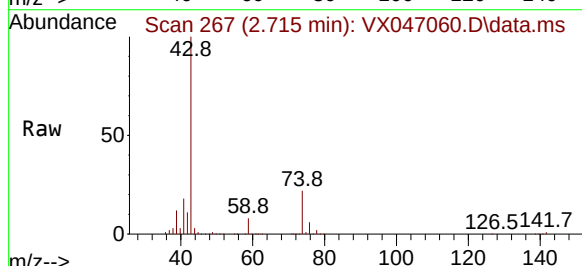
Acq: 21 Jul 2025 11:32

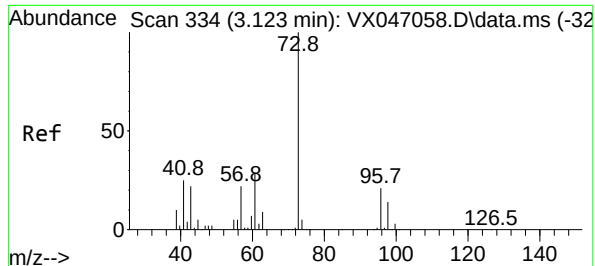
Tgt Ion: 43 Resp: 558406

Ion Ratio Lower Upper

43 100

74 22.6 17.7 26.5





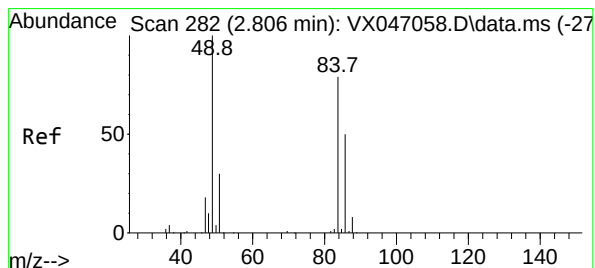
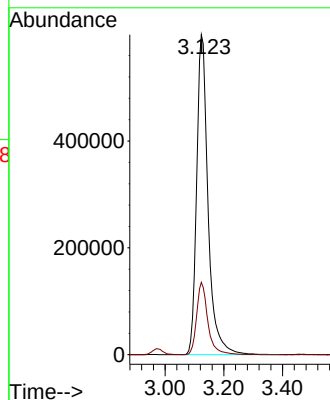
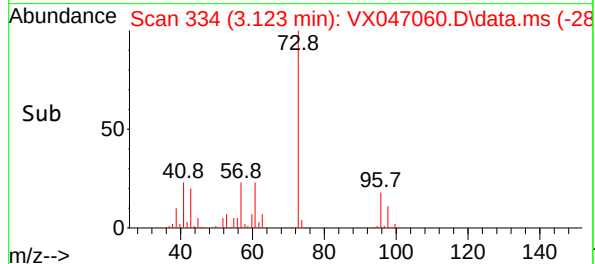
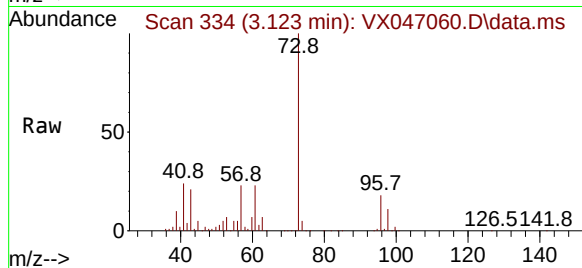
#19
Methyl tert-butyl Ether
Concen: 150.323 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 73 Resp: 161694
Ion Ratio Lower Upper
73 100
57 22.6 17.7 26.5

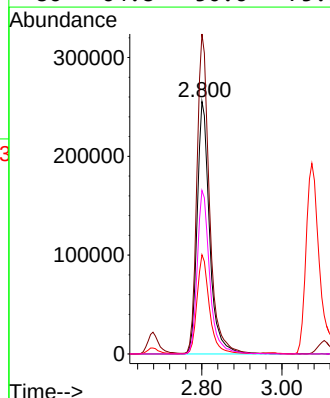
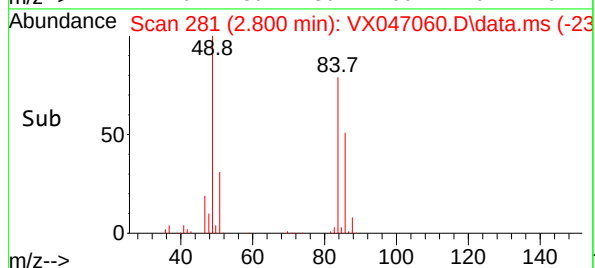
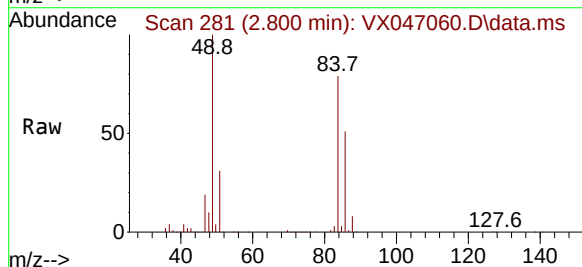
Manual Integrations
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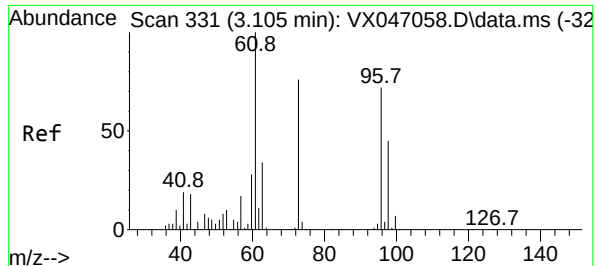
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#20
Methylene Chloride
Concen: 142.156 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

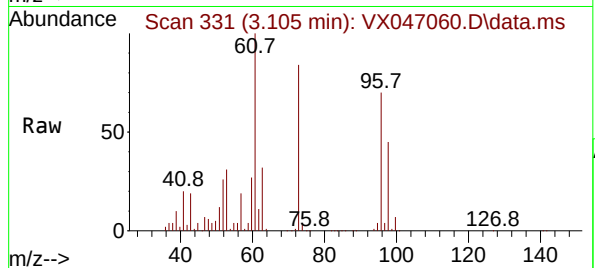
Tgt Ion: 84 Resp: 548865
Ion Ratio Lower Upper
84 100
49 126.6 101.6 152.4
51 39.2 30.3 45.5
86 64.8 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 147.371 ug/l
RT: 3.105 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

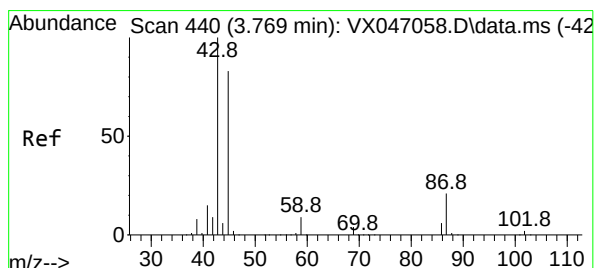
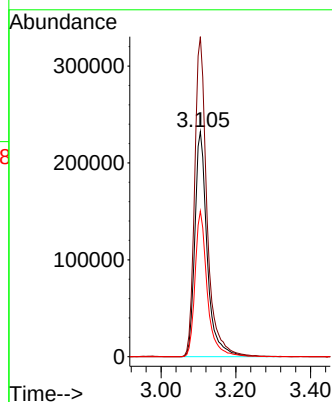
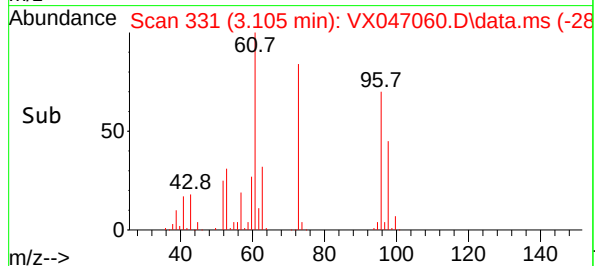
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 96 Resp: 533000
Ion Ratio Lower Upper
96 100
61 142.3 111.1 166.7
98 64.7 49.6 74.4

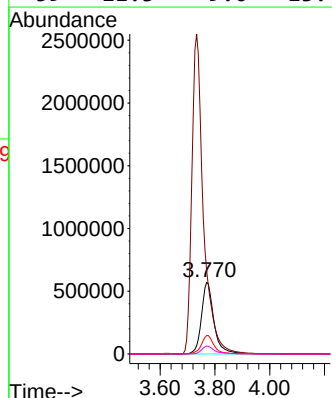
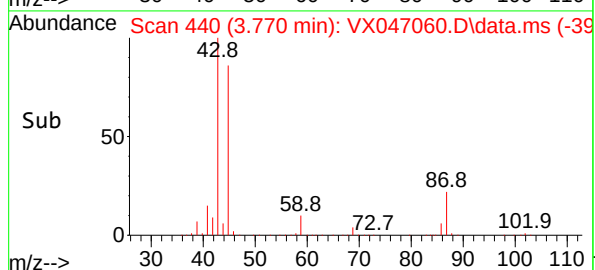
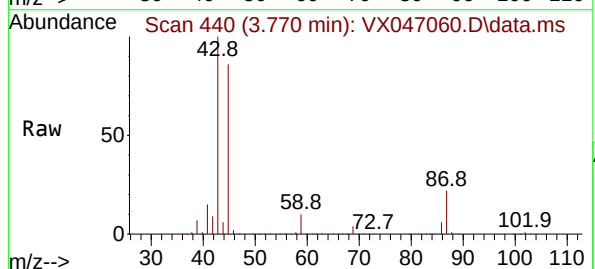
Manual Integrations
APPROVED

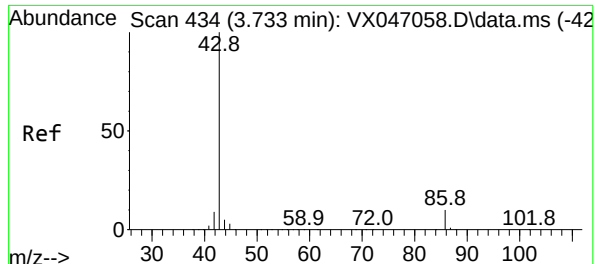
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#22
Diisopropyl ether
Concen: 145.892 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 45 Resp: 1792018
Ion Ratio Lower Upper
45 100
43 116.8 96.8 145.2
87 25.8 20.5 30.7
59 11.3 9.0 13.4





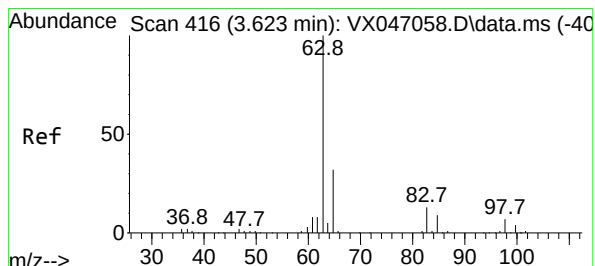
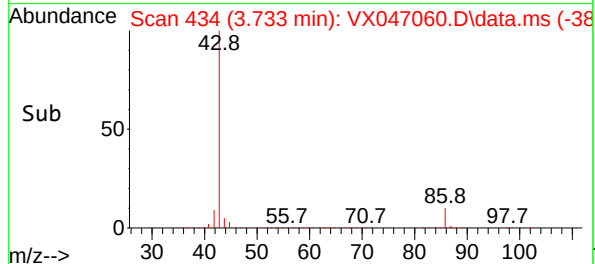
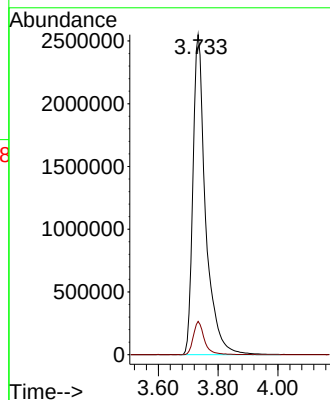
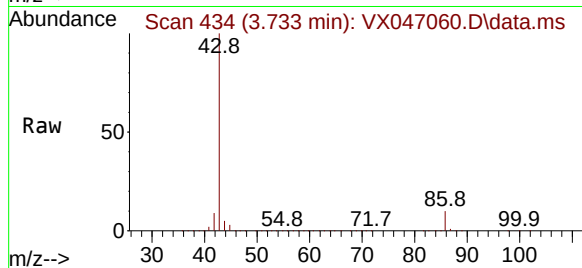
#23
Vinyl Acetate
Concen: 762.847 ug/l
RT: 3.733 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 751550
Ion Ratio Lower Upper
43 100
86 10.4 8.1 12.1

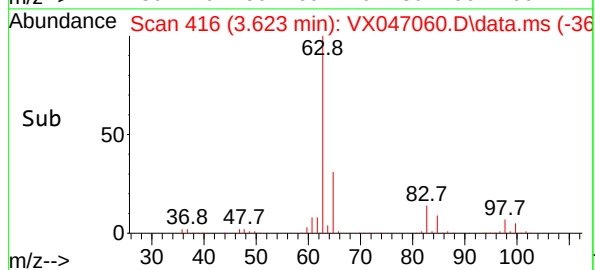
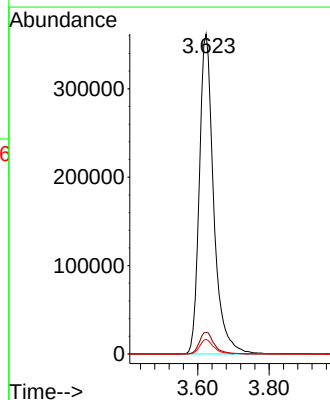
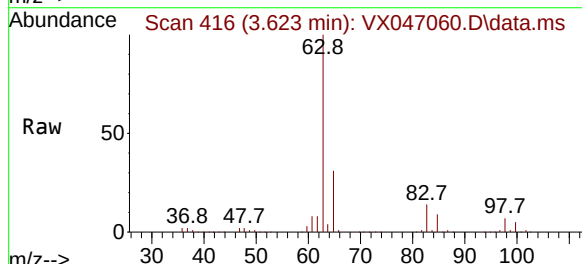
Manual Integrations
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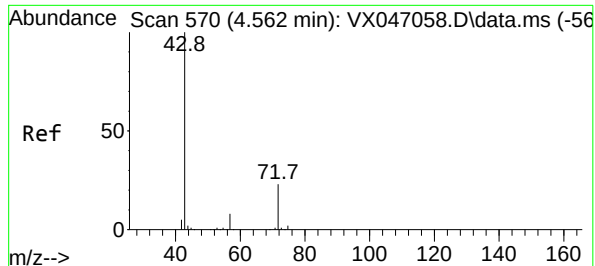
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#24
1,1-Dichloroethane
Concen: 147.421 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

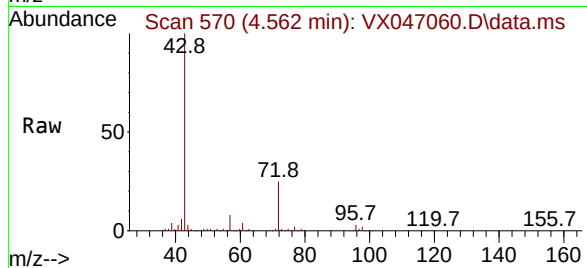
Tgt Ion: 63 Resp: 1006940
Ion Ratio Lower Upper
63 100
98 6.7 3.6 10.8
100 4.6 2.3 6.8





#25
2-Butanone
Concen: 746.280 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

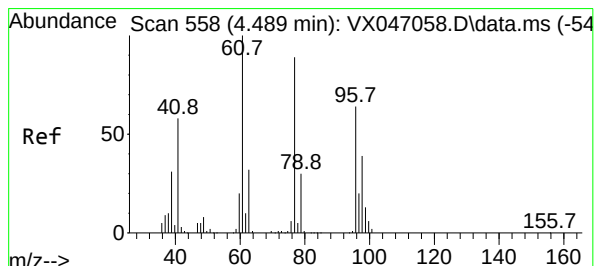
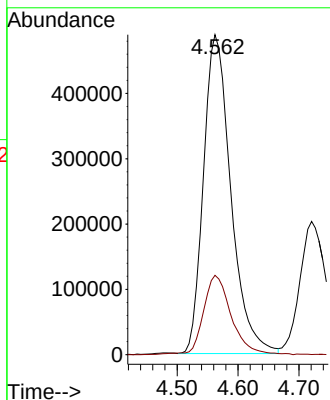
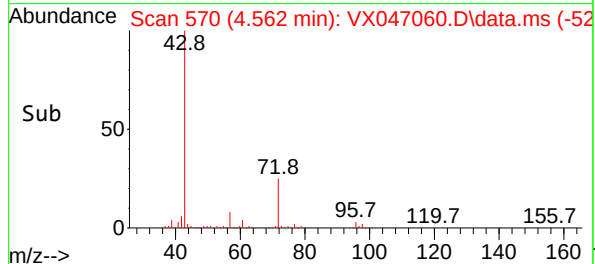
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 1525049
Ion Ratio Lower Upper
43 100
72 24.5 18.8 28.2

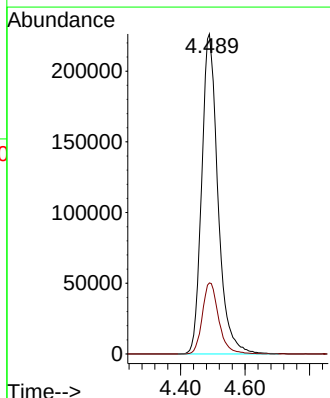
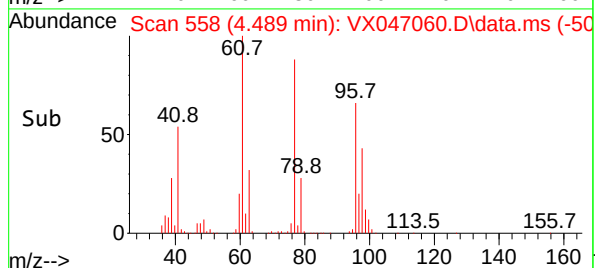
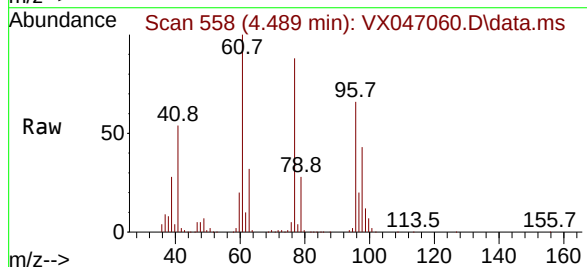
Manual Integrations
APPROVED

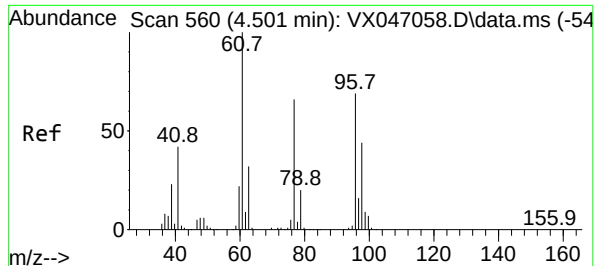
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#26
2,2-Dichloropropane
Concen: 149.478 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 77 Resp: 790347
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 146.469 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 627302

Ion Ratio Lower Upper

96 100

61 148.2 0.0 298.6

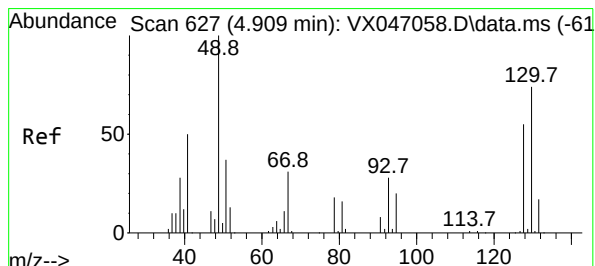
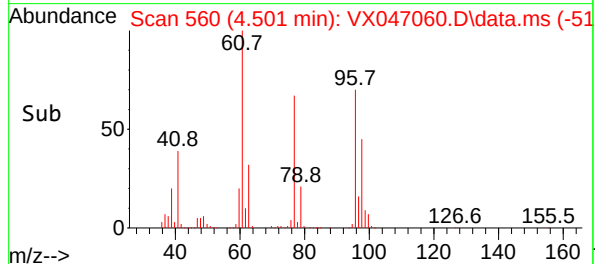
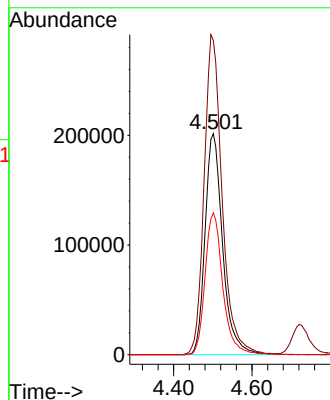
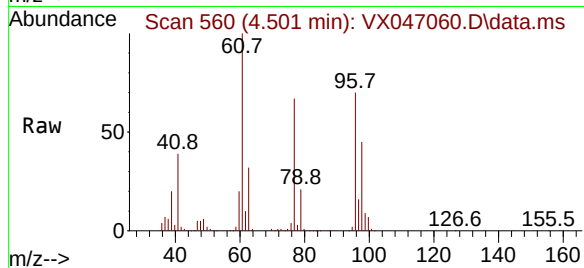
98 64.7 0.0 128.8

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#28

Bromochloromethane

Concen: 147.764 ug/l

RT: 4.910 min Scan# 627

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

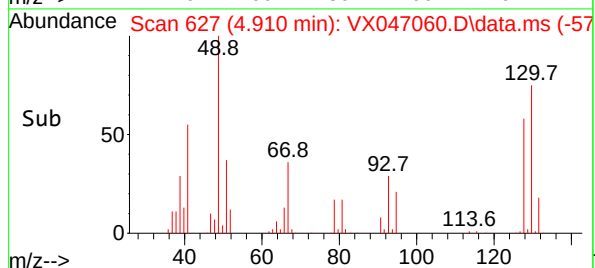
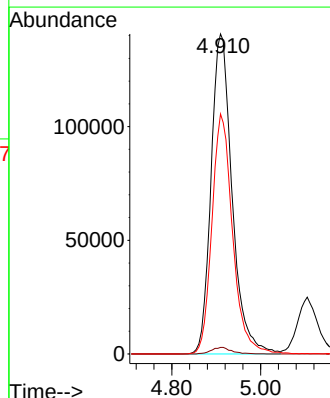
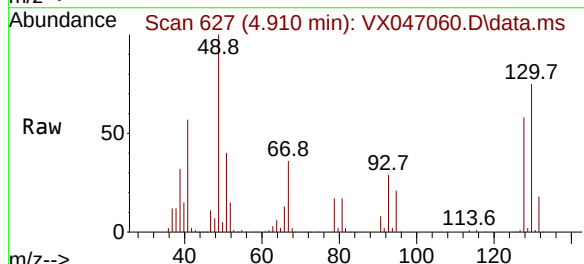
Tgt Ion: 49 Resp: 464333

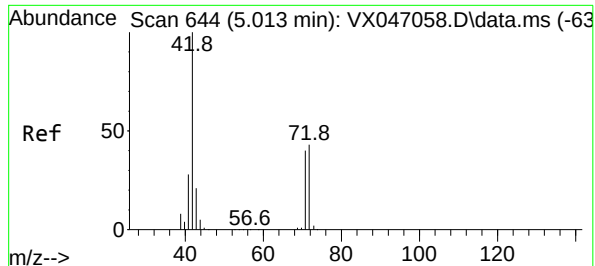
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 73.5 59.0 88.4





#29

Tetrahydrofuran

Concen: 755.168 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 99570

Ion Ratio Lower Upper

42 100

72 42.5 33.7 50.5

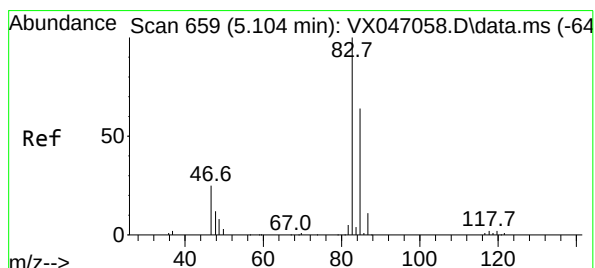
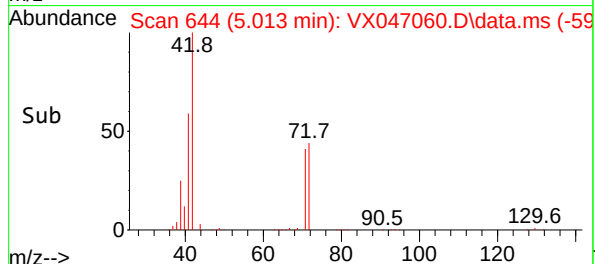
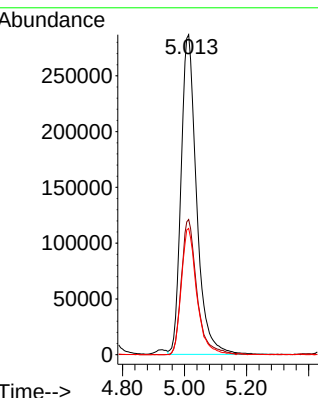
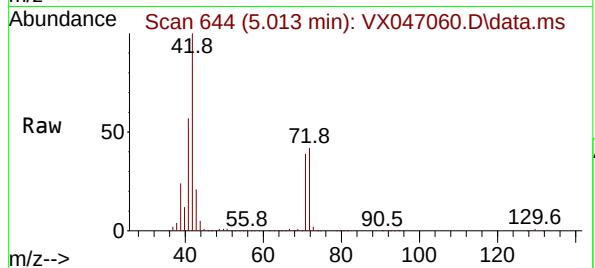
71 39.2 31.0 46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#30

Chloroform

Concen: 141.308 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.000 min

Lab File: VX047060.D

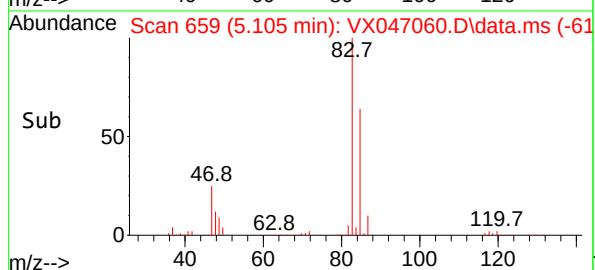
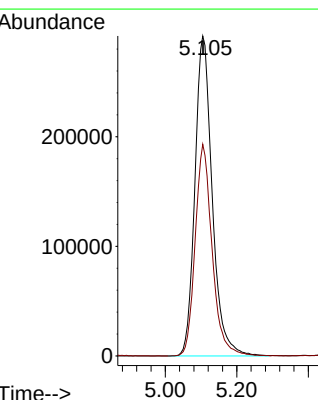
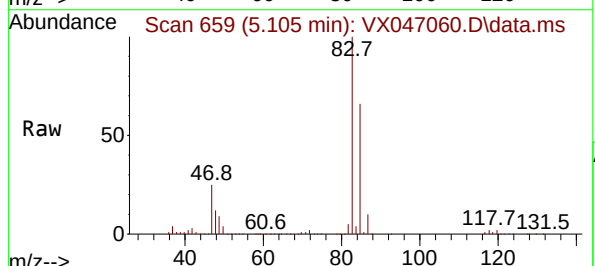
Acq: 21 Jul 2025 11:32

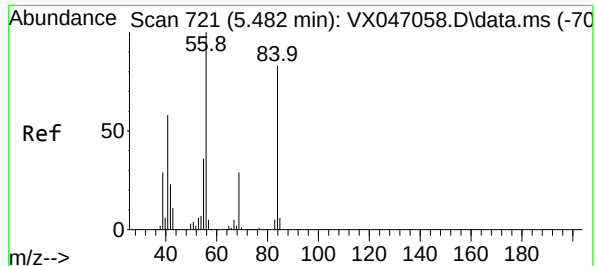
Tgt Ion: 83 Resp: 982491

Ion Ratio Lower Upper

83 100

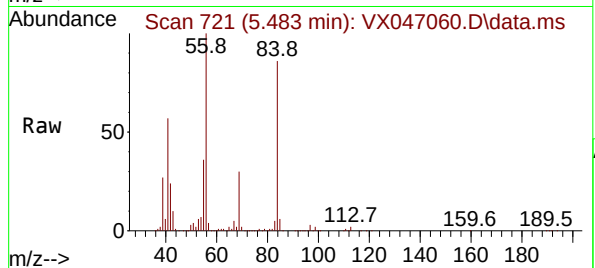
85 66.2 50.9 76.3





#31
Cyclohexane
Concen: 141.781 ug/l
RT: 5.483 min Scan# 721
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

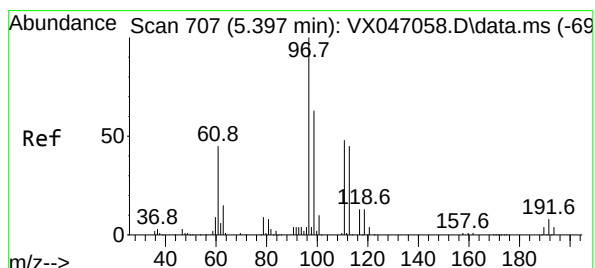
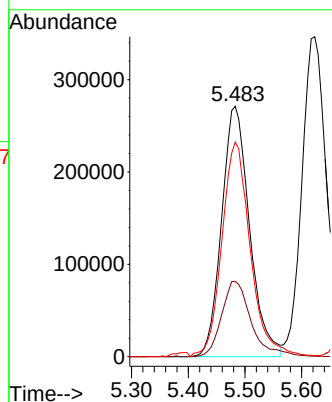
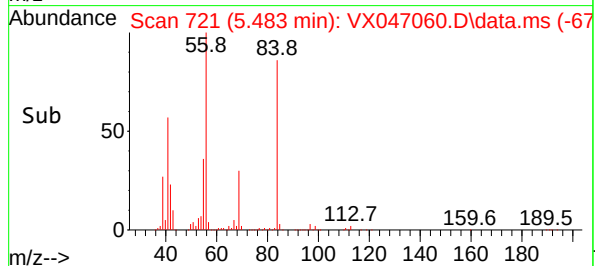
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 56 Resp: 928560
Ion Ratio Lower Upper
56 100
69 29.7 23.3 34.9
84 84.1 66.5 99.7

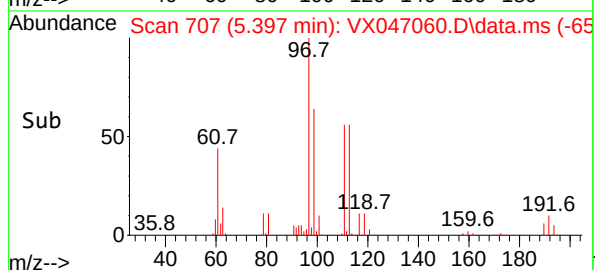
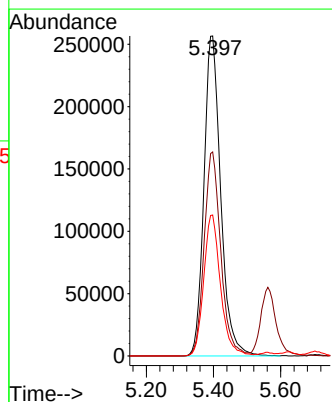
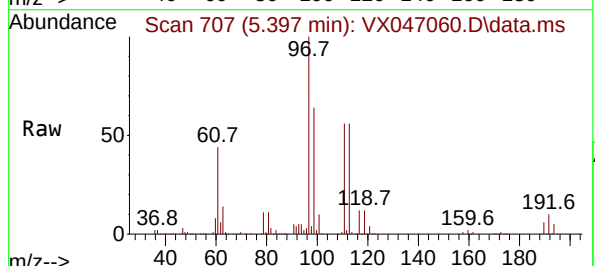
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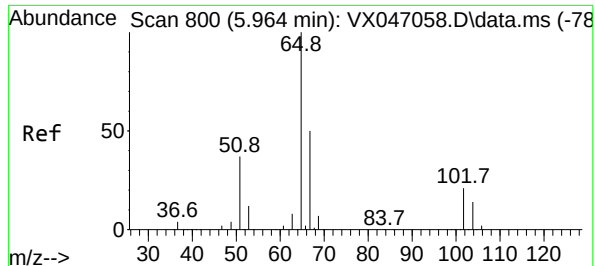
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#32
1,1,1-Trichloroethane
Concen: 147.721 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 97 Resp: 892102
Ion Ratio Lower Upper
97 100
99 63.2 51.2 76.8
61 44.2 37.1 55.7





#33

1,2-Dichloroethane-d4

Concen: 156.279 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 54749

Ion Ratio Lower Upper

65 100

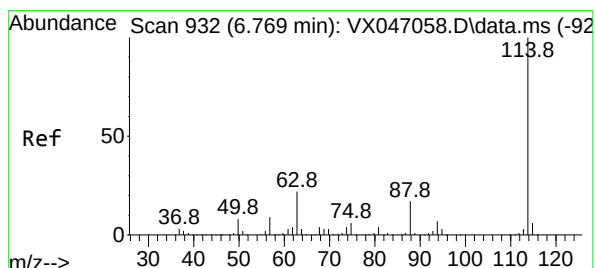
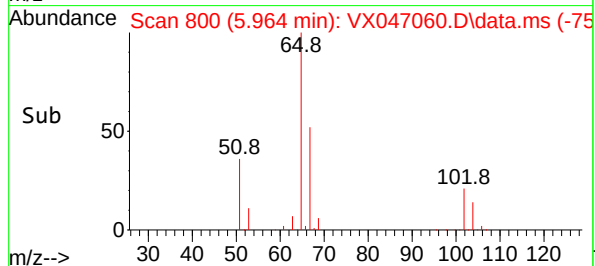
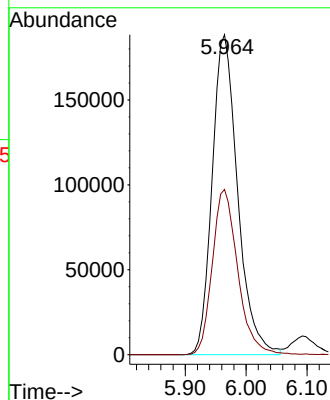
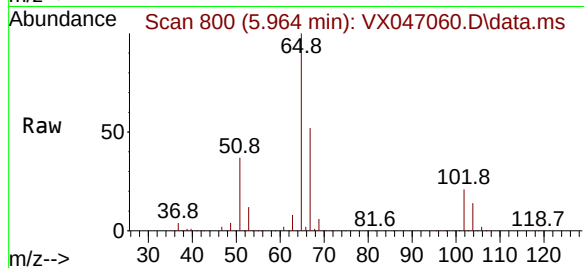
67 51.6 0.0 104.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

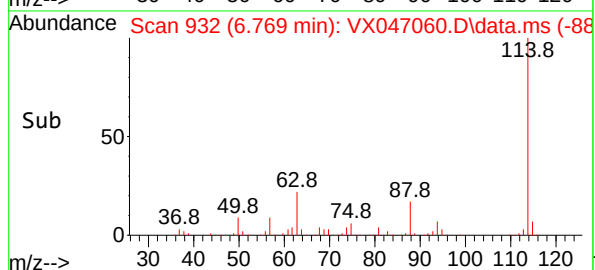
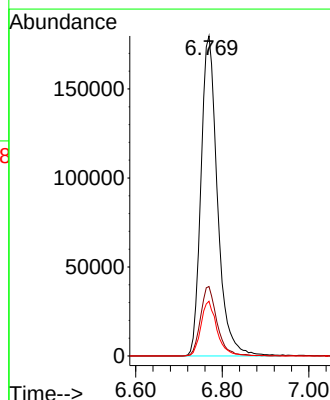
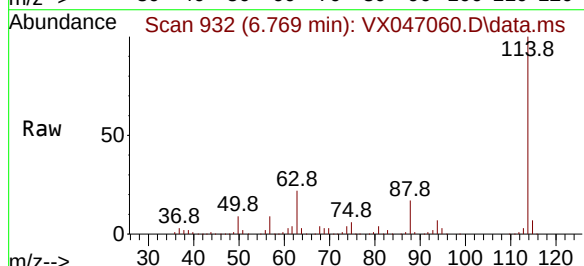
Tgt Ion:114 Resp: 475828

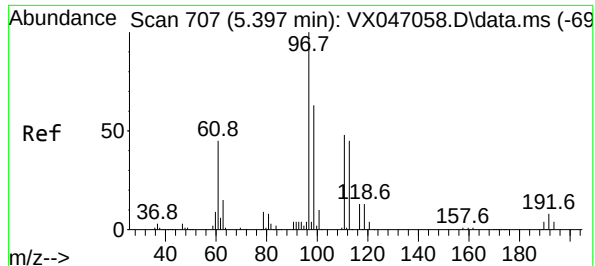
Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.2

88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 159.361 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 46818

Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

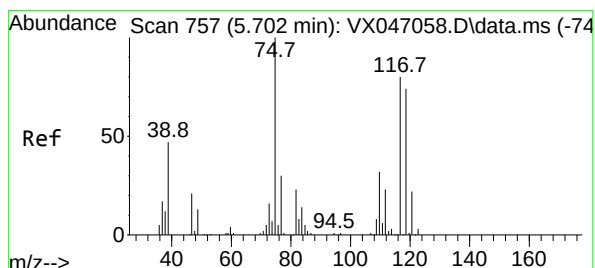
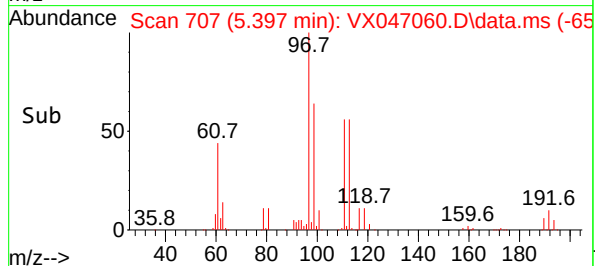
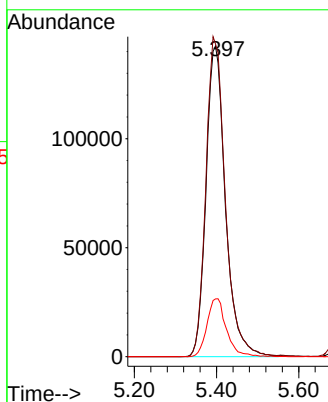
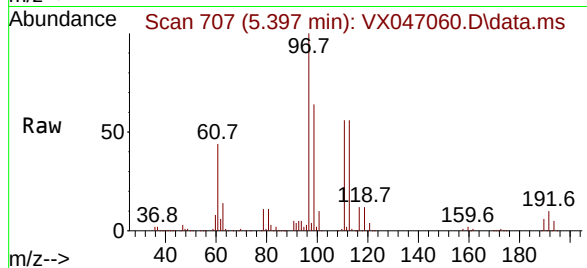
192 18.6 14.9 22.3

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#36

1,1-Dichloropropene

Concen: 141.221 ug/l

RT: 5.702 min Scan# 757

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

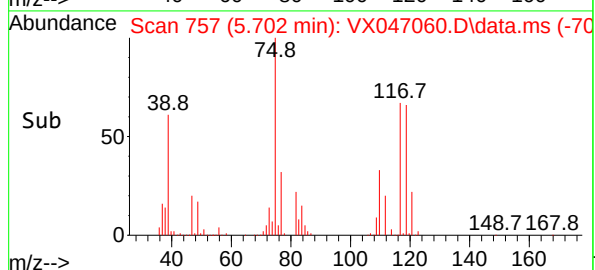
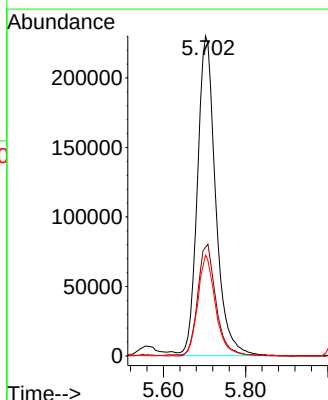
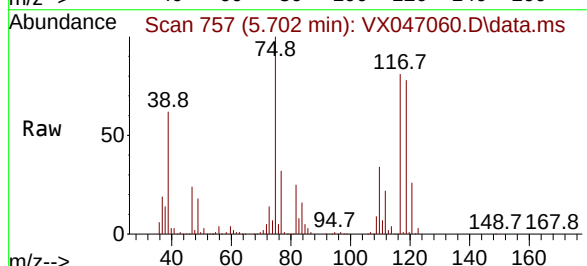
Tgt Ion: 75 Resp: 707227

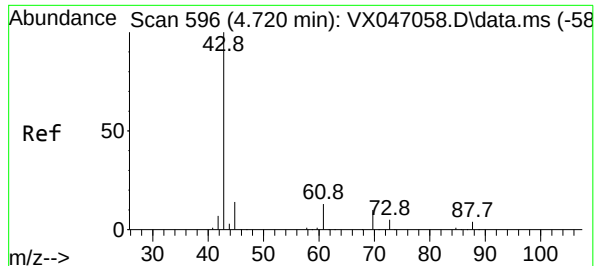
Ion Ratio Lower Upper

75 100

110 35.0 17.2 51.5

77 30.7 25.1 37.7





#37

Ethyl Acetate

Concen: 150.587 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 664604

Ion Ratio Lower Upper

43 100

61 13.2 10.2 15.2

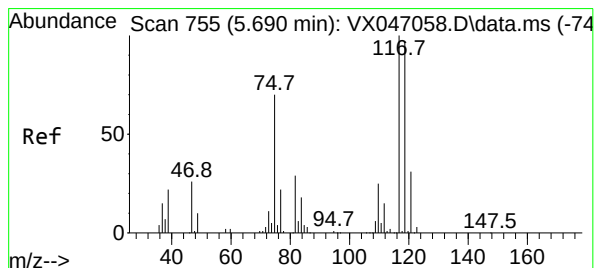
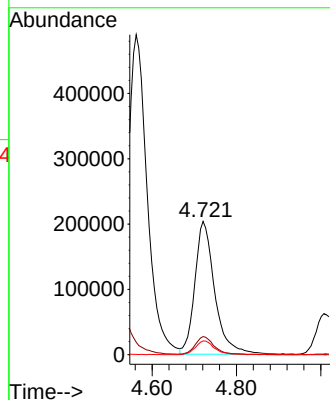
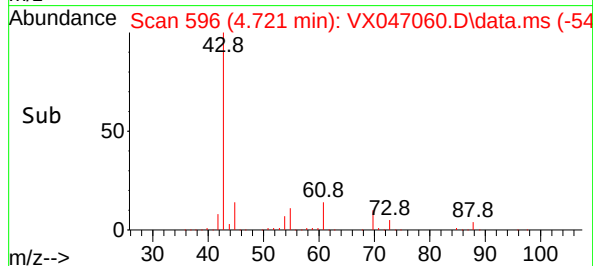
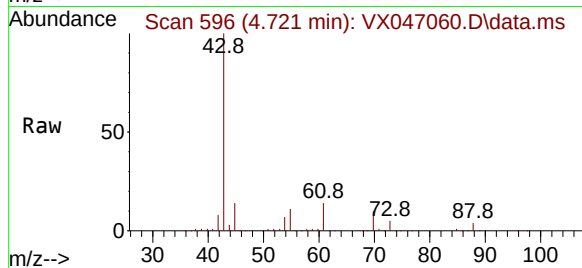
70 10.1 8.1 12.1

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#38

Carbon Tetrachloride

Concen: 144.260 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

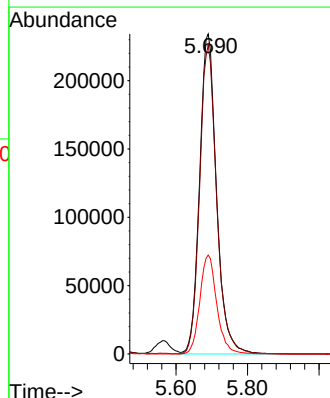
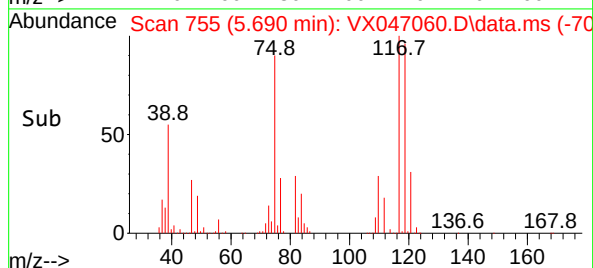
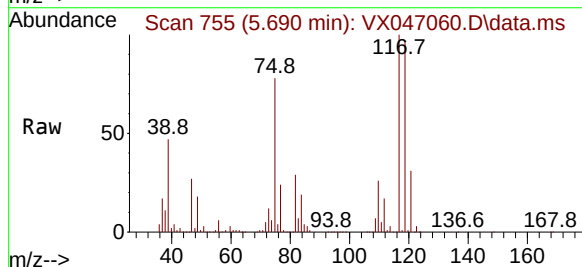
Tgt Ion:117 Resp: 771081

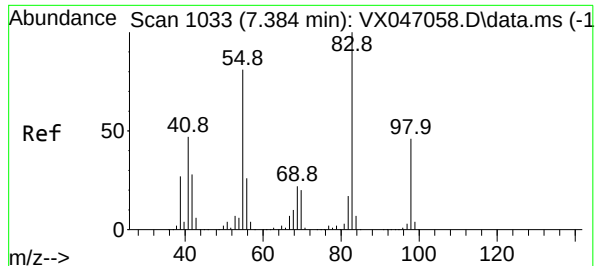
Ion Ratio Lower Upper

117 100

119 96.6 76.6 115.0

121 30.9 24.4 36.6





#39

Methylcyclohexane

Concen: 149.137 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 932504

Ion Ratio Lower Upper

83 100

55 79.5 64.5 96.7

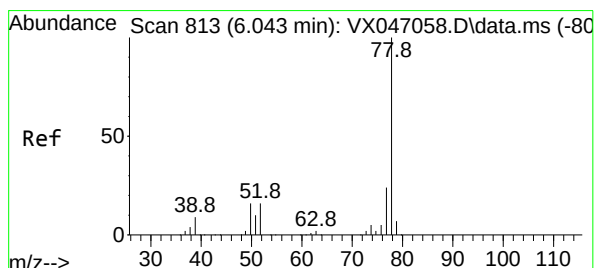
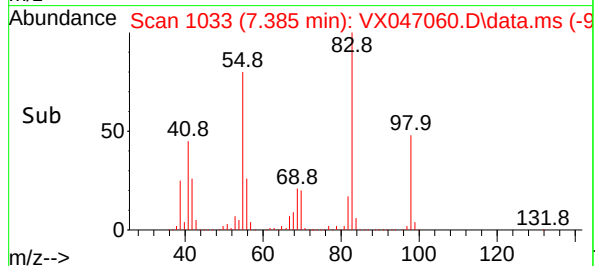
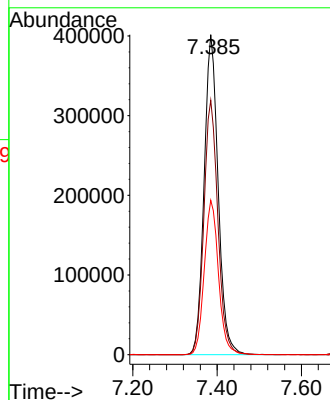
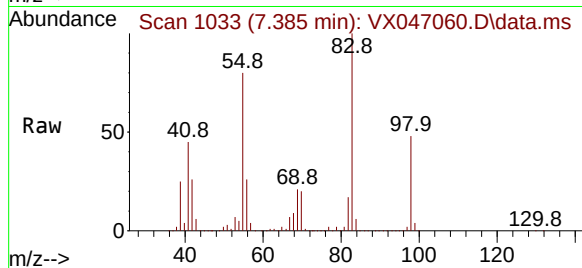
98 48.2 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#40

Benzene

Concen: 145.777 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.000 min

Lab File: VX047060.D

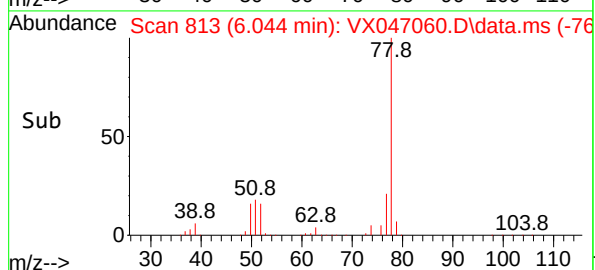
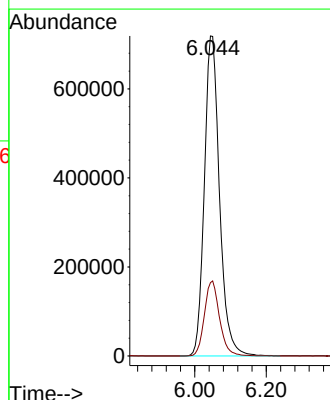
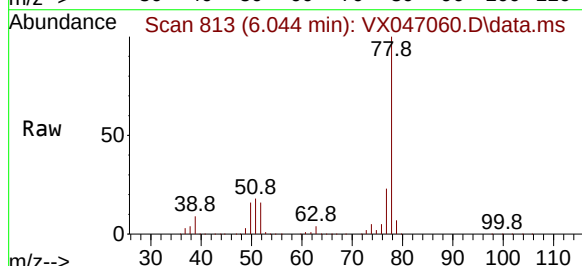
Acq: 21 Jul 2025 11:32

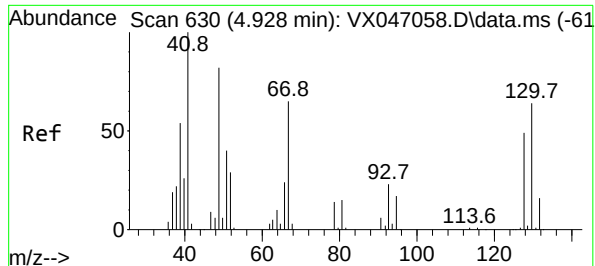
Tgt Ion: 78 Resp: 2112753

Ion Ratio Lower Upper

78 100

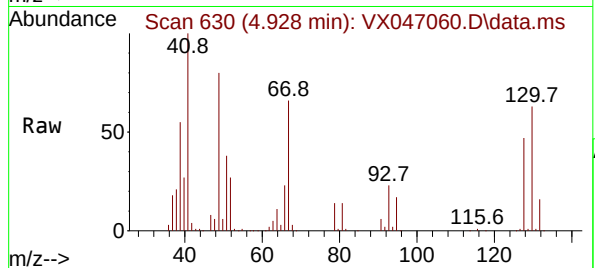
77 22.9 19.0 28.4





#41
Methacrylonitrile
Concen: 154.886 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

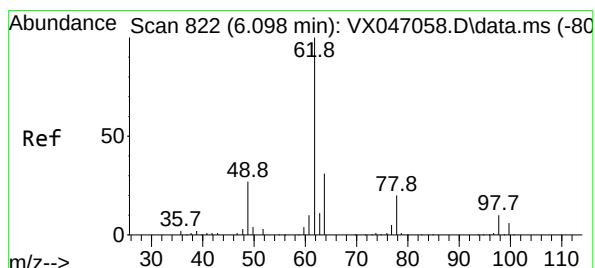
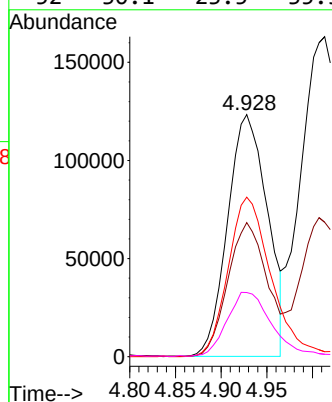
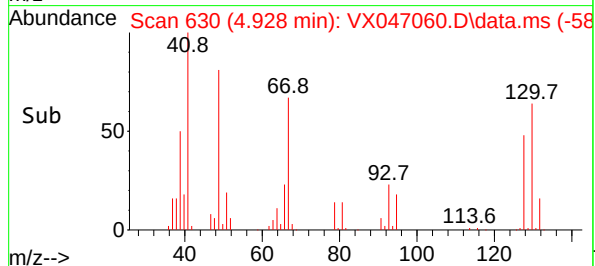
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 41 Resp: 37371
Ion Ratio Lower Upper
41 100
39 54.1 44.2 66.2
67 72.4 56.4 84.6
52 30.1 23.5 35.3

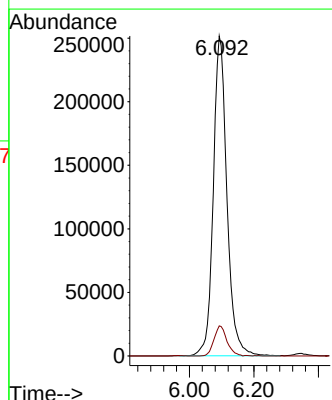
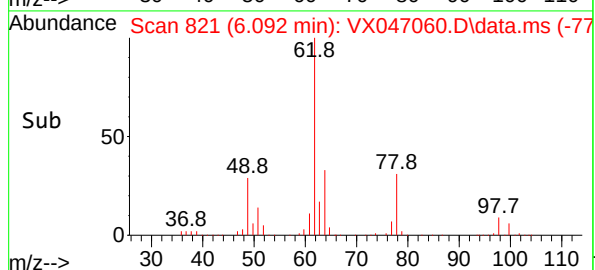
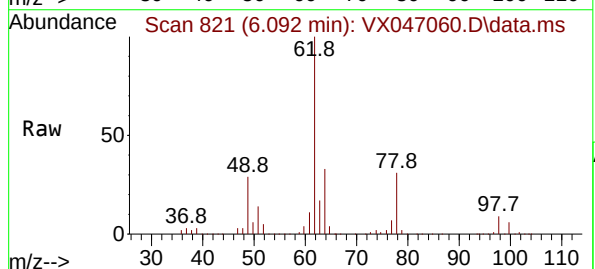
Manual Integrations
APPROVED

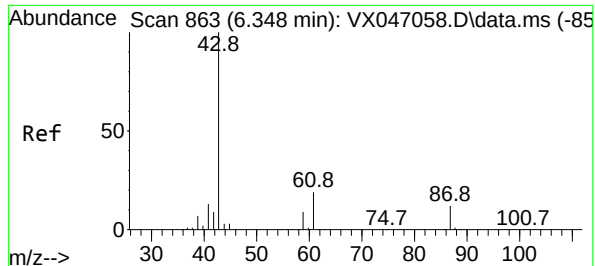
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#42
1,2-Dichloroethane
Concen: 144.555 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

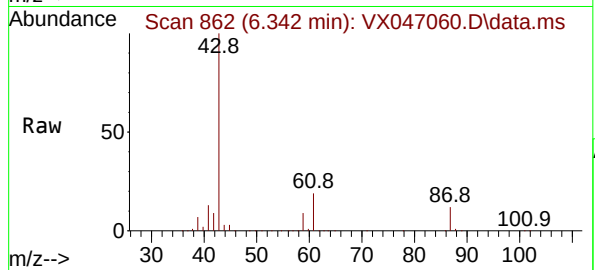
Tgt Ion: 62 Resp: 737991
Ion Ratio Lower Upper
62 100
98 8.9 0.0 18.8





#43
Isopropyl Acetate
Concen: 159.182 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

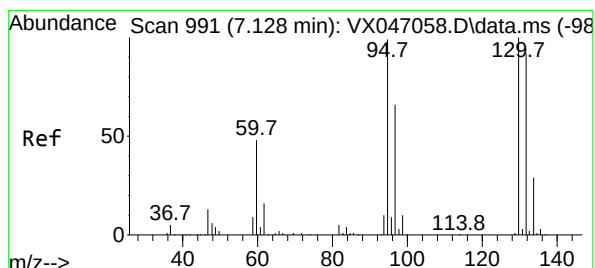
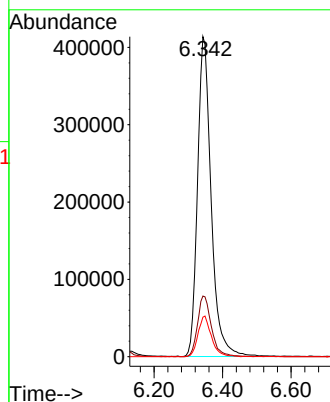
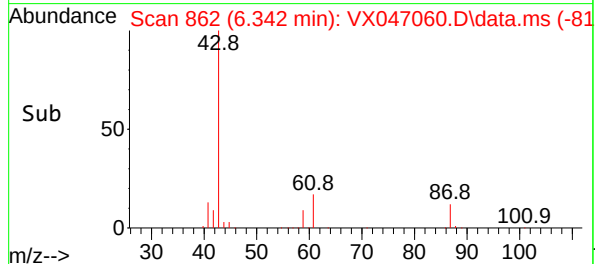
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 114515
Ion Ratio Lower Upper
43 100
61 19.4 15.1 22.7
87 12.5 9.7 14.5

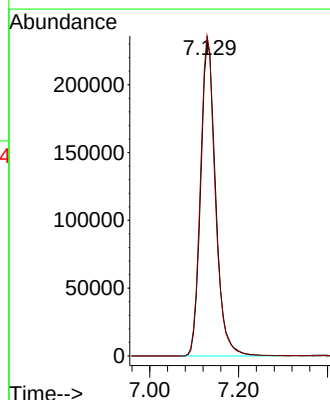
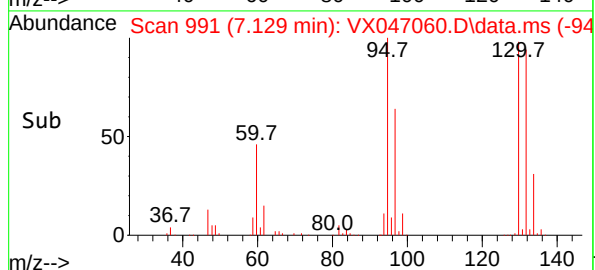
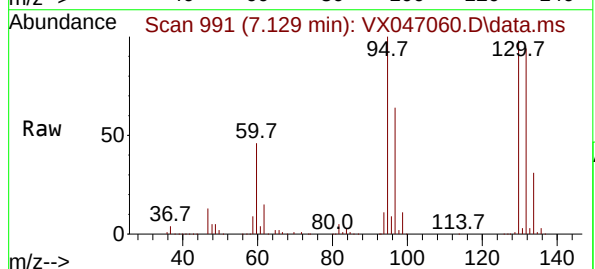
Manual Integrations
APPROVED

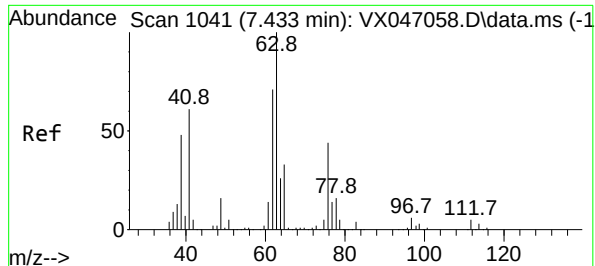
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#44
Trichloroethene
Concen: 147.215 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:130 Resp: 547123
Ion Ratio Lower Upper
130 100
95 101.8 0.0 198.6





#45

1,2-Dichloropropane

Concen: 145.791 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 529204

Ion Ratio Lower Upper

63 100

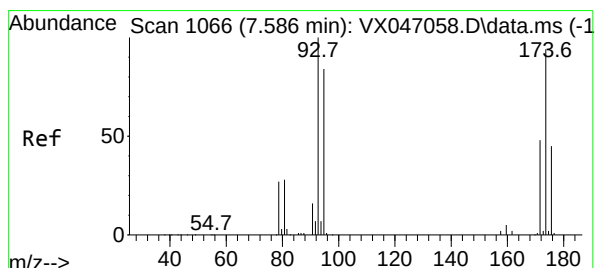
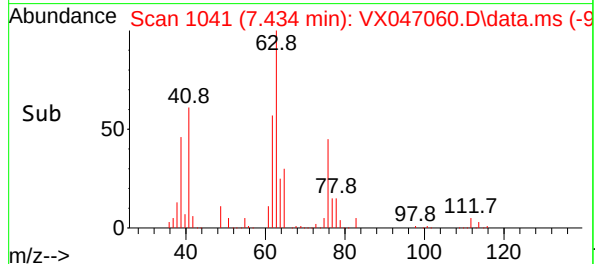
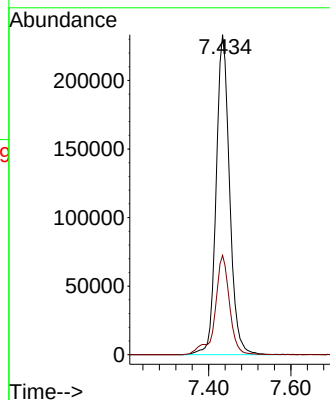
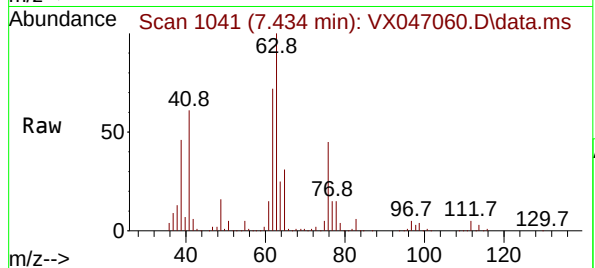
65 31.1 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#46

Dibromomethane

Concen: 149.938 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

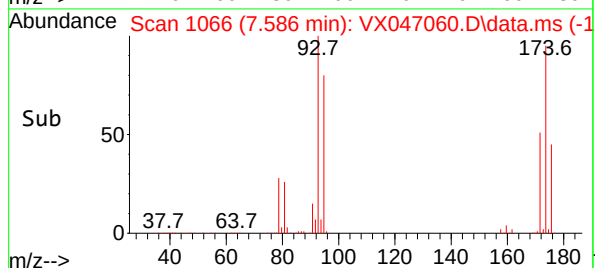
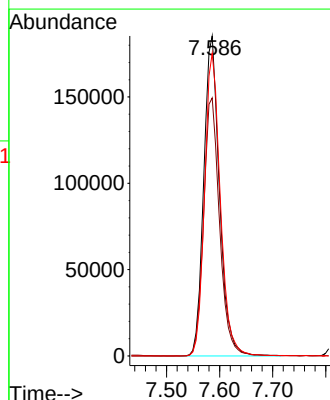
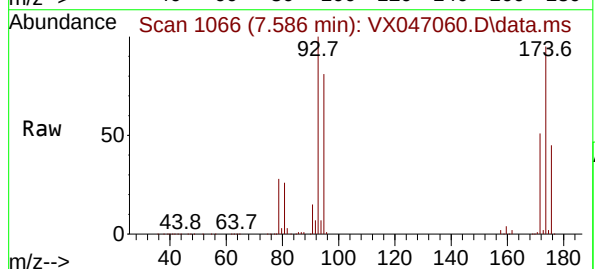
Tgt Ion: 93 Resp: 381666

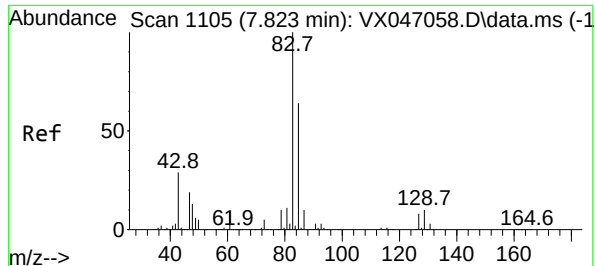
Ion Ratio Lower Upper

93 100

95 81.9 65.9 98.9

174 94.8 74.6 112.0





#47

Bromodichloromethane

Concen: 146.693 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

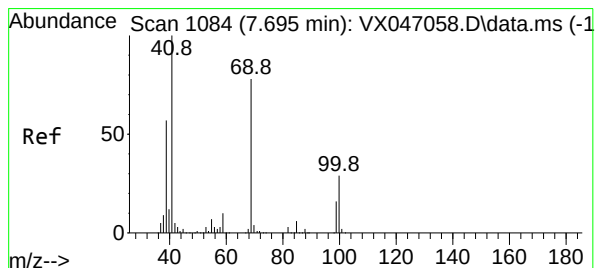
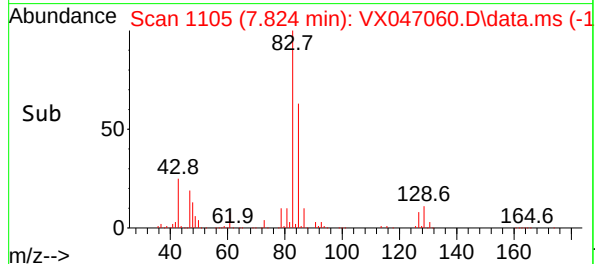
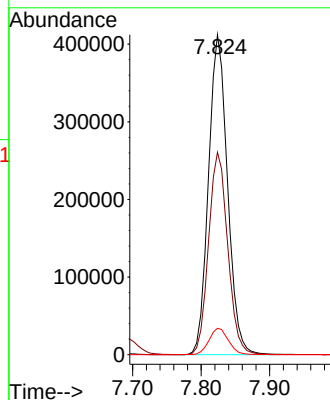
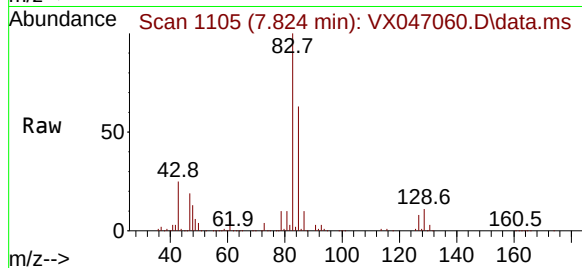
Tgt Ion:	83	Resp:	79479
Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.9	74.9
127	8.2	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#48

Methyl methacrylate

Concen: 150.339 ug/l

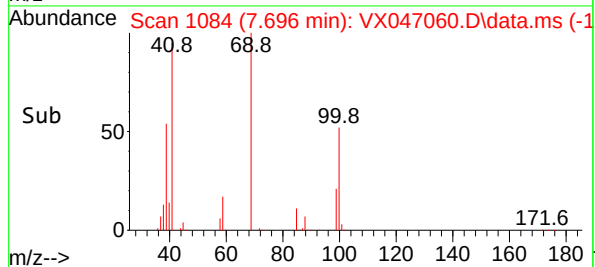
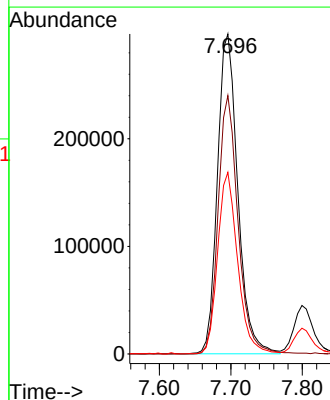
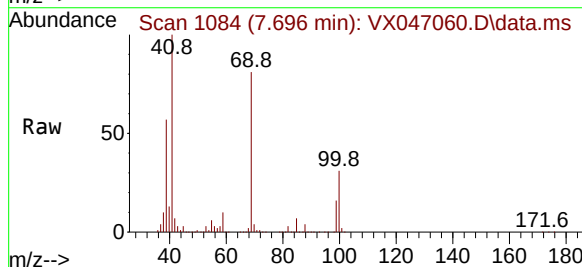
RT: 7.696 min Scan# 1084

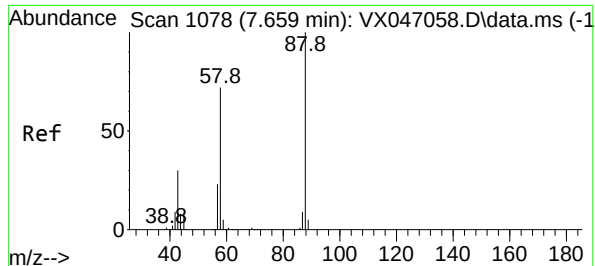
Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Tgt Ion:	41	Resp:	589190
Ion	Ratio	Lower	Upper
41	100		
69	79.1	62.3	93.5
39	55.7	44.8	67.2





#49

1,4-Dioxane

Concen: 3173.881 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.007 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 88 Resp: 14147

Ion Ratio Lower Upper

88 100

43 37.9 33.6 50.4

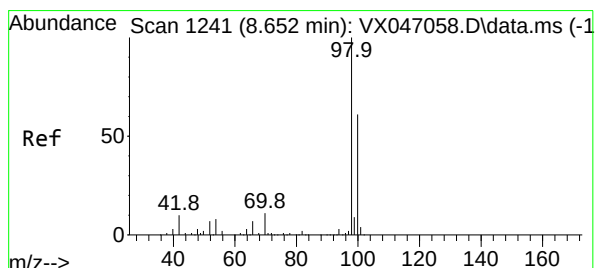
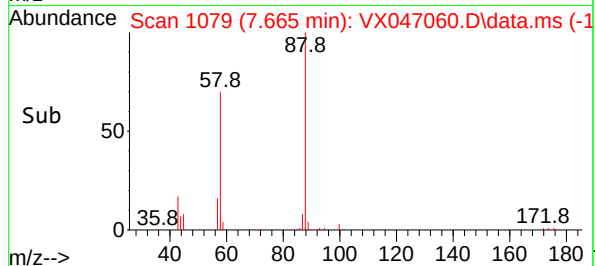
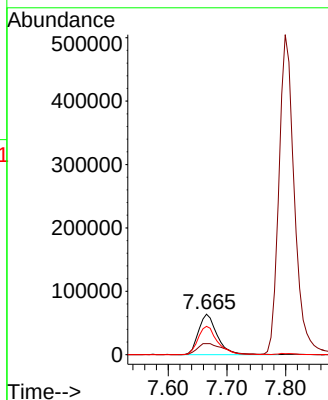
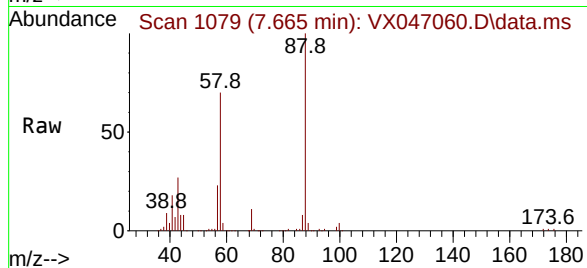
58 72.9 58.8 88.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#50

Toluene-d8

Concen: 152.197 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX047060.D

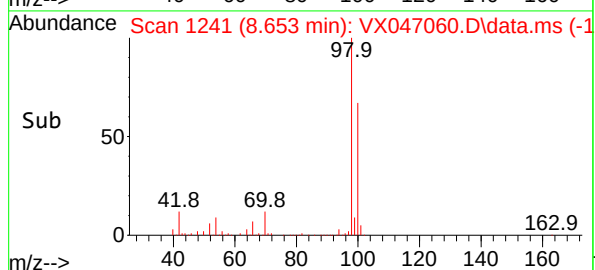
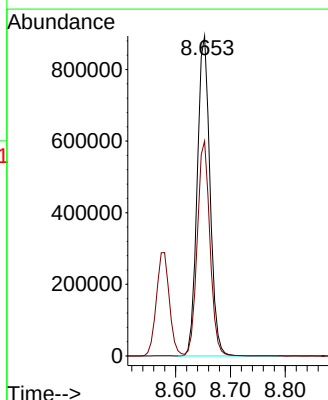
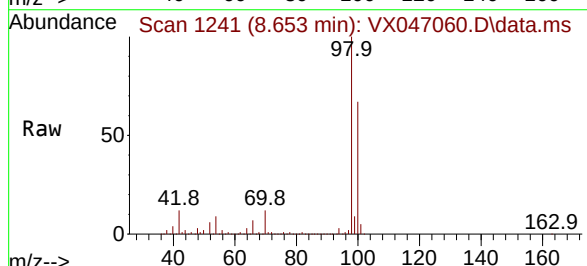
Acq: 21 Jul 2025 11:32

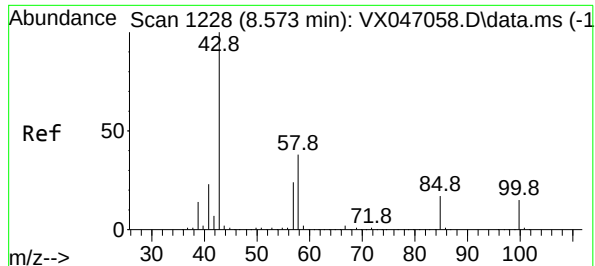
Tgt Ion: 98 Resp: 1448057

Ion Ratio Lower Upper

98 100

100 66.6 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 735.203 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 3143740

Ion Ratio Lower Upper

43 100

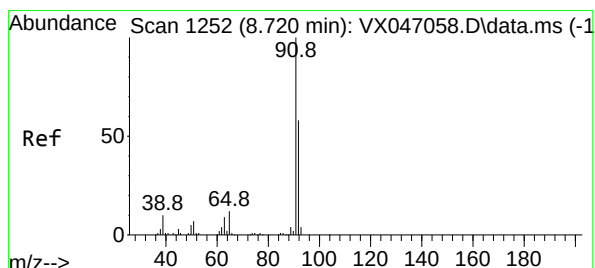
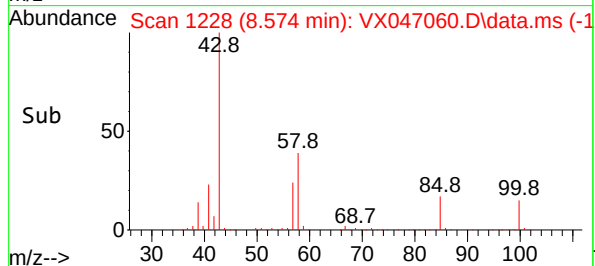
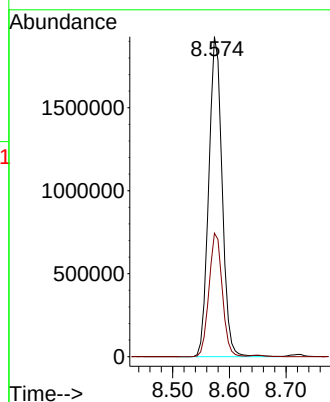
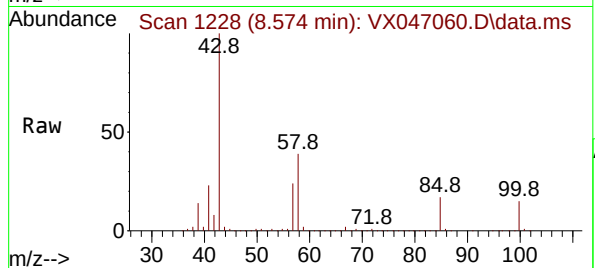
58 38.5 30.6 45.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#52

Toluene

Concen: 145.703 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX047060.D

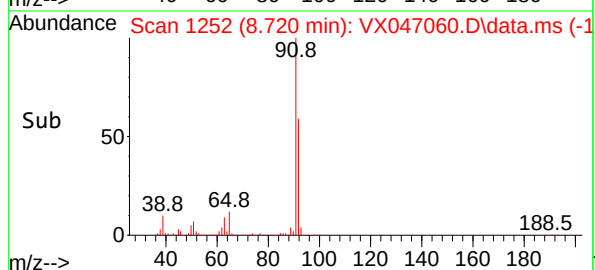
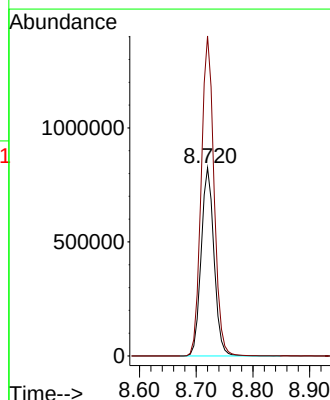
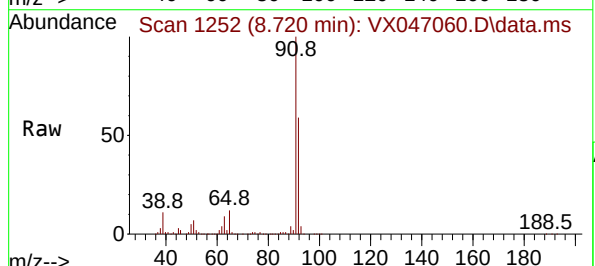
Acq: 21 Jul 2025 11:32

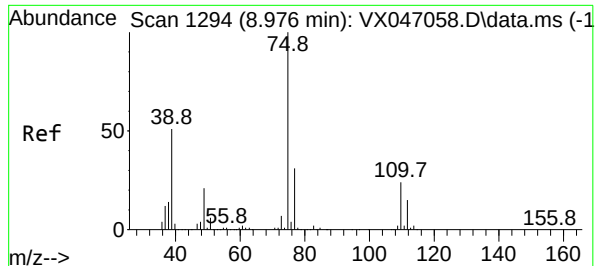
Tgt Ion: 92 Resp: 1298426

Ion Ratio Lower Upper

92 100

91 169.8 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 156.884 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 802670

Ion Ratio Lower Upper

75 100

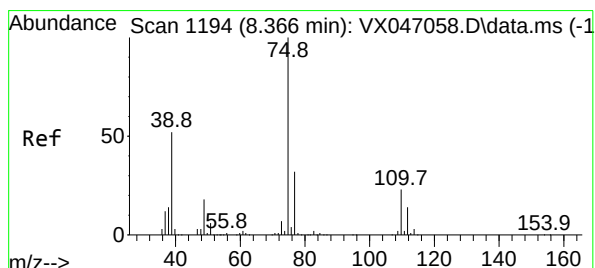
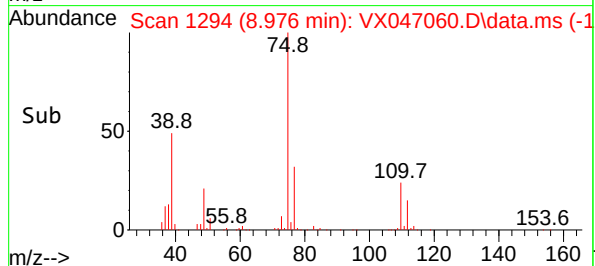
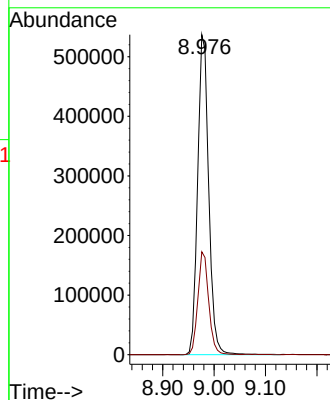
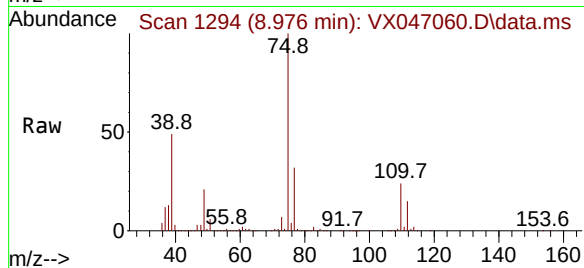
77 32.1 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#54

cis-1,3-Dichloropropene

Concen: 156.442 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

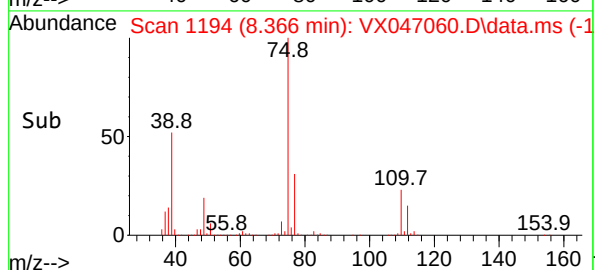
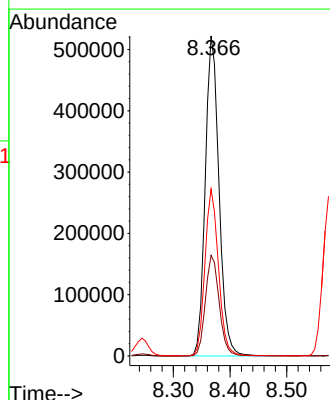
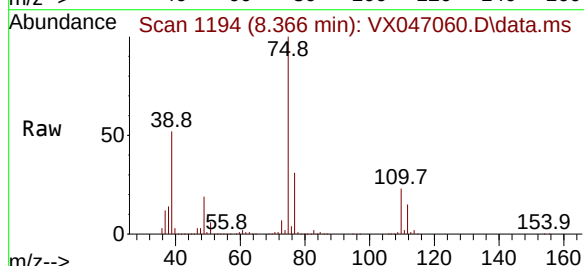
Tgt Ion: 75 Resp: 876033

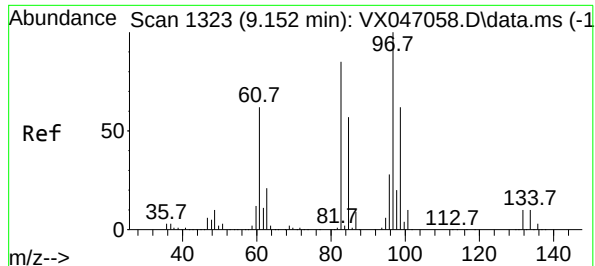
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 52.1 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 143.101 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 47824

Ion Ratio Lower Upper

97 100

83 85.7 68.0 102.0

85 55.4 45.2 67.8

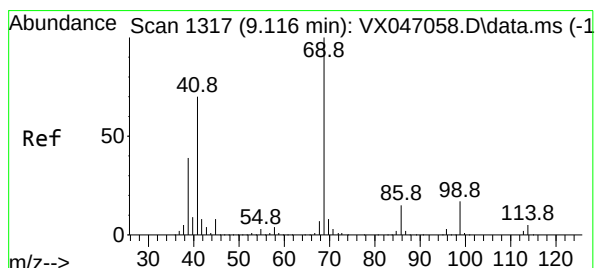
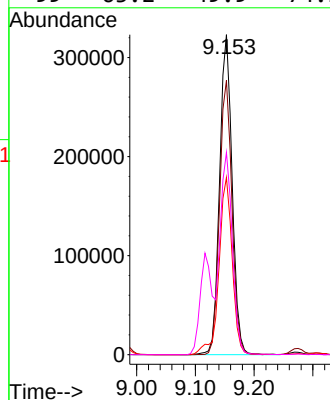
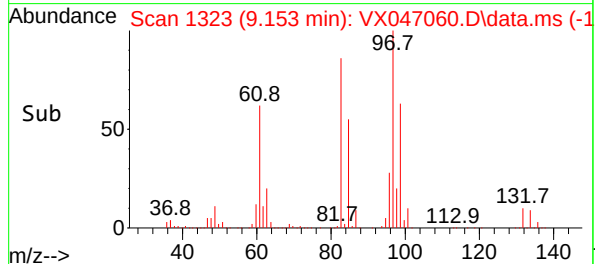
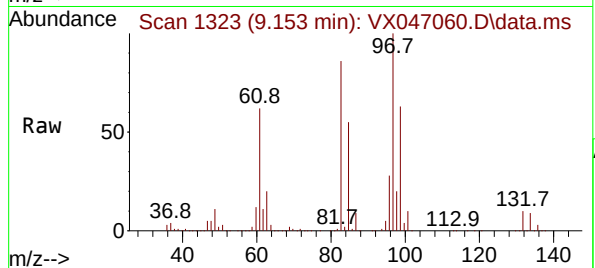
99 63.2 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#56

Ethyl methacrylate

Concen: 160.053 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

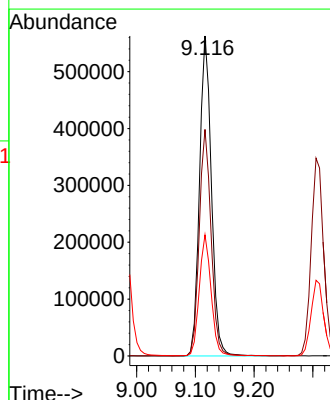
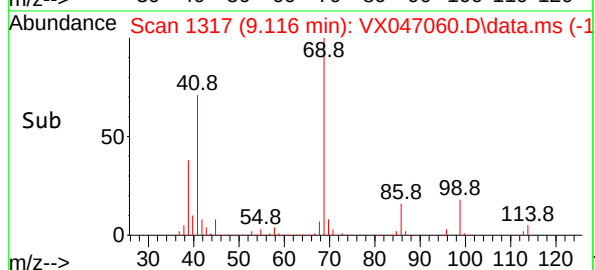
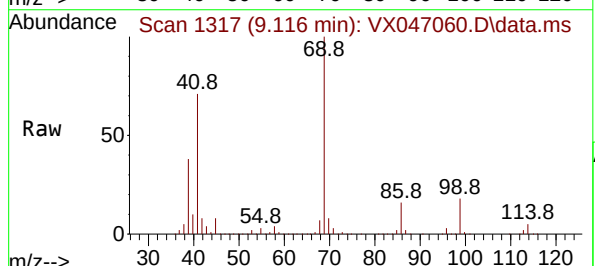
Tgt Ion: 69 Resp: 791875

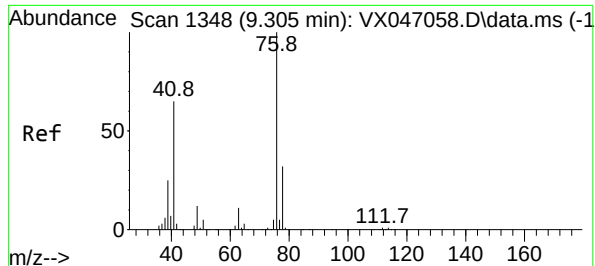
Ion Ratio Lower Upper

69 100

41 70.6 56.1 84.1

39 37.6 31.1 46.7





#57

1,3-Dichloropropane

Concen: 141.802 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 82363

Ion Ratio Lower Upper

76 100

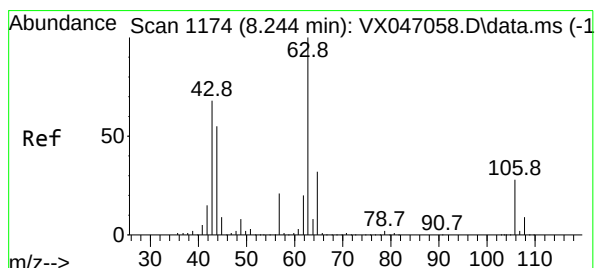
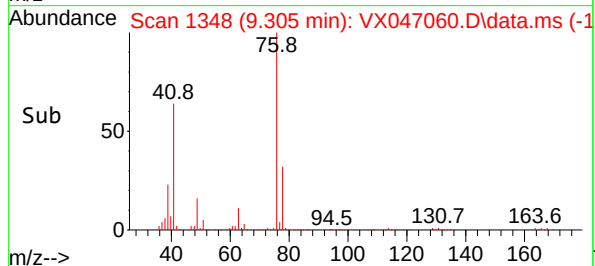
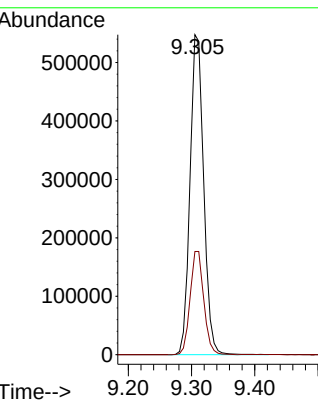
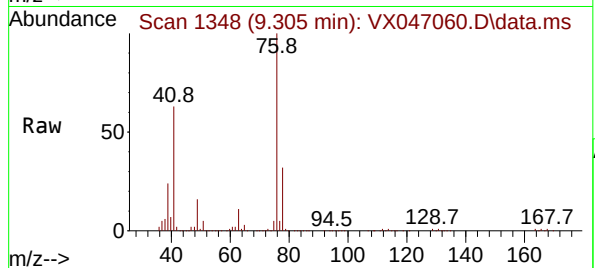
78 32.3 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#58

2-Chloroethyl Vinyl ether

Concen: 770.350 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX047060.D

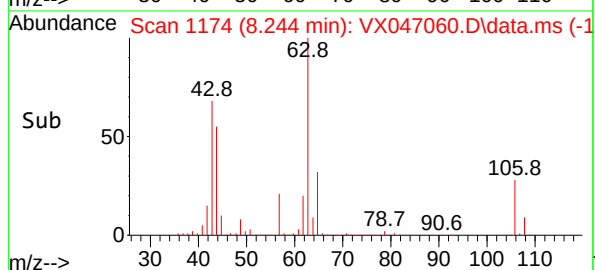
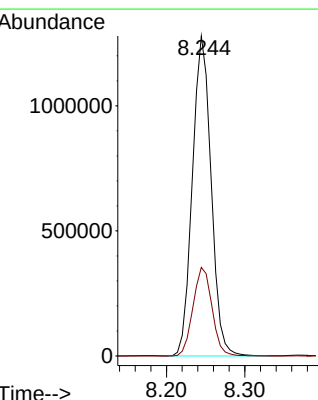
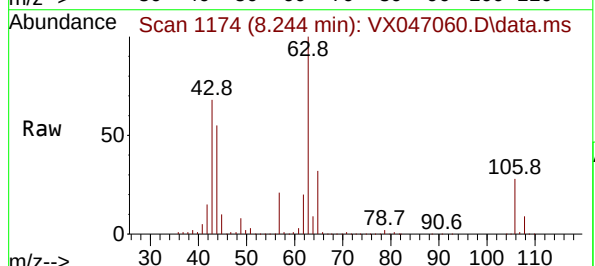
Acq: 21 Jul 2025 11:32

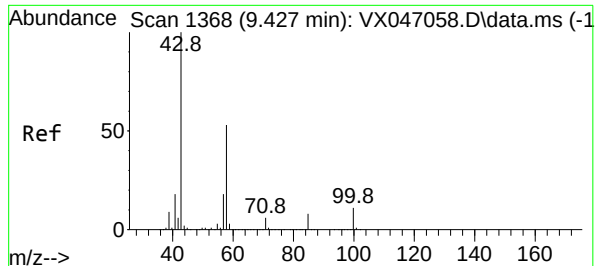
Tgt Ion: 63 Resp: 2120903

Ion Ratio Lower Upper

63 100

106 28.1 22.2 33.4





#59

2-Hexanone

Concen: 769.096 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.007 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 2172764

Ion Ratio Lower Upper

43 100

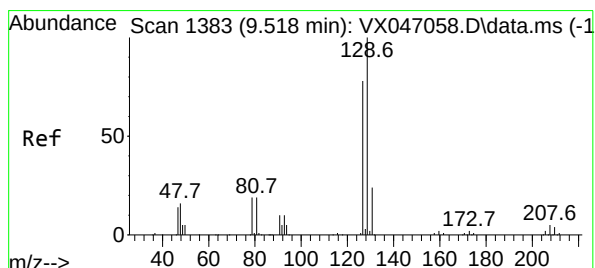
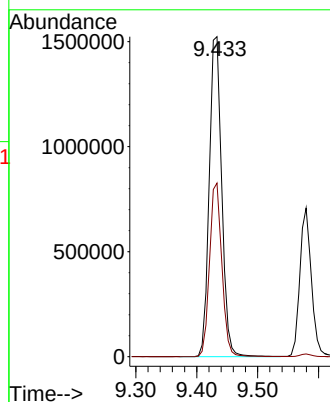
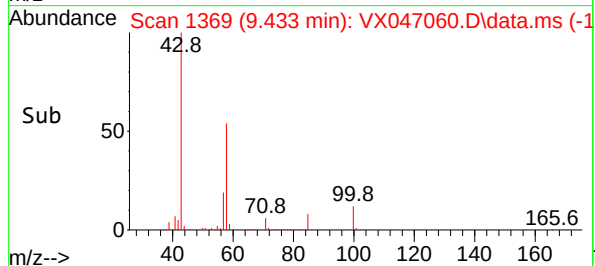
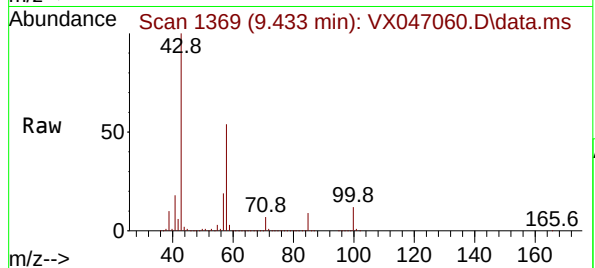
58 53.5 26.5 79.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#60

Dibromochloromethane

Concen: 148.786 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX047060.D

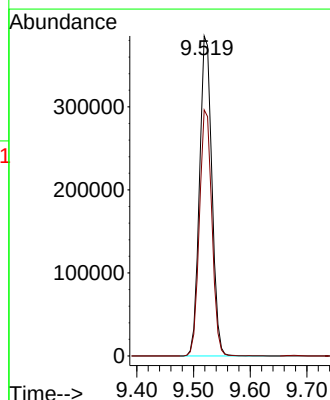
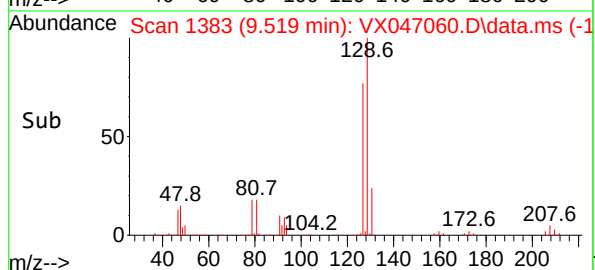
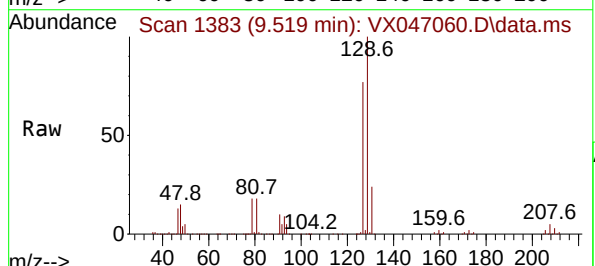
Acq: 21 Jul 2025 11:32

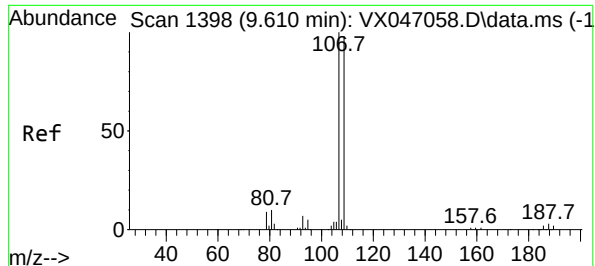
Tgt Ion:129 Resp: 583183

Ion Ratio Lower Upper

129 100

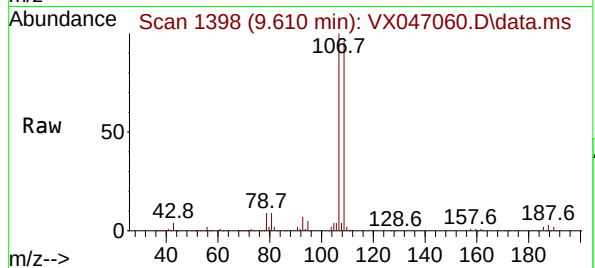
127 77.7 38.6 115.8





#61
1,2-Dibromoethane
Concen: 143.366 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

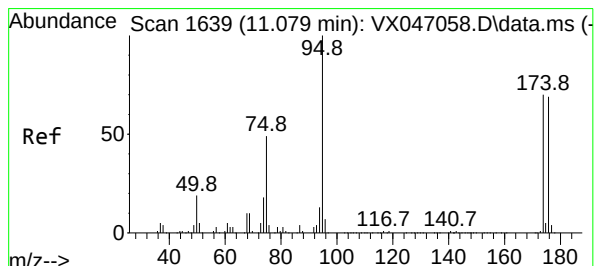
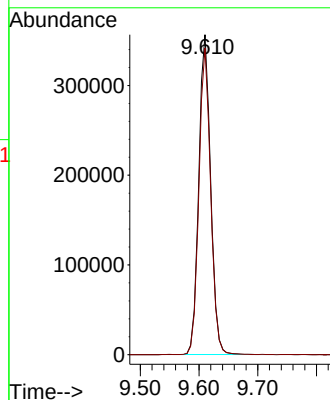
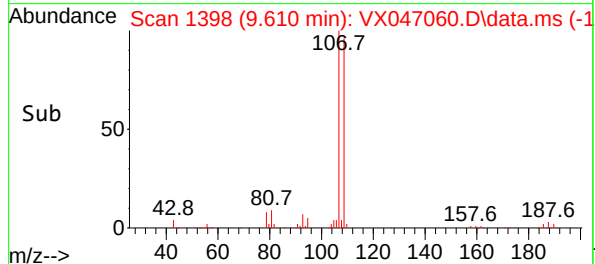
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:107 Resp: 50099
Ion Ratio Lower Upper
107 100
109 94.7 74.6 112.0

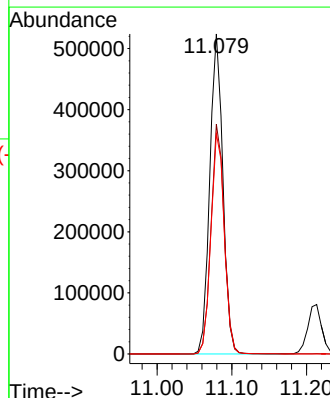
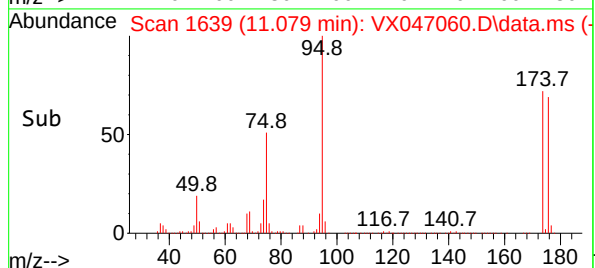
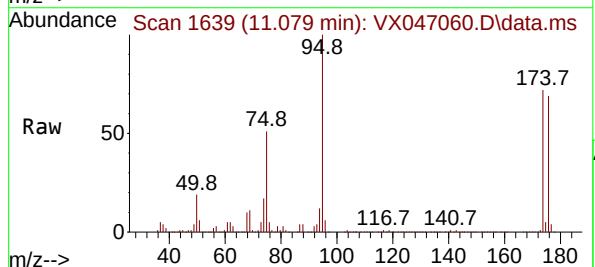
Manual Integrations
APPROVED

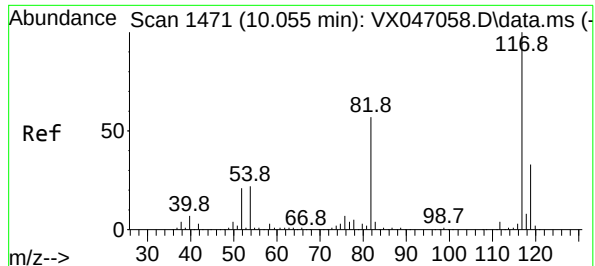
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#62
4-Bromofluorobenzene
Concen: 154.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

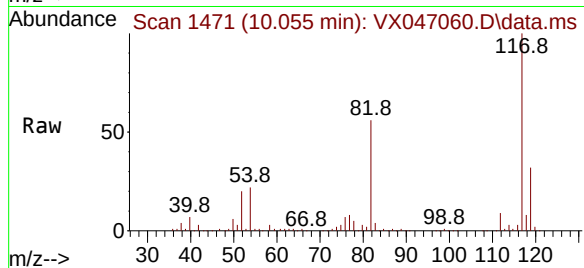
Tgt Ion: 95 Resp: 635473
Ion Ratio Lower Upper
95 100
174 72.8 0.0 144.6
176 70.6 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

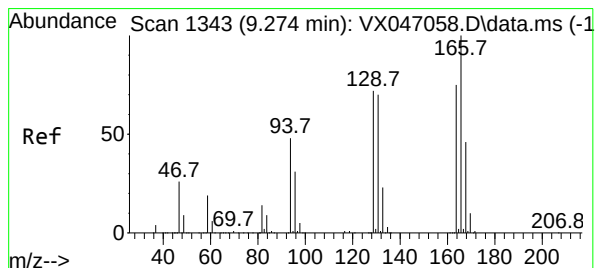
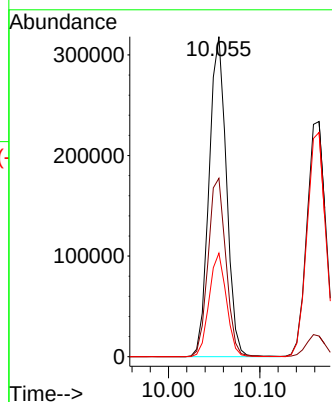
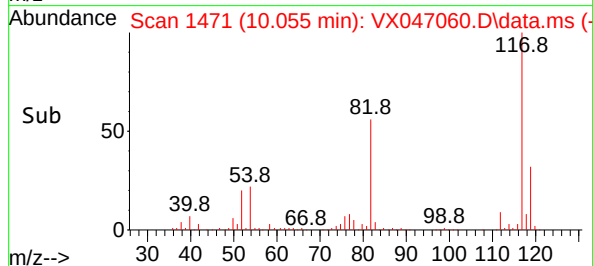
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:117 Resp: 420817
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.2
119 32.3 26.1 39.1

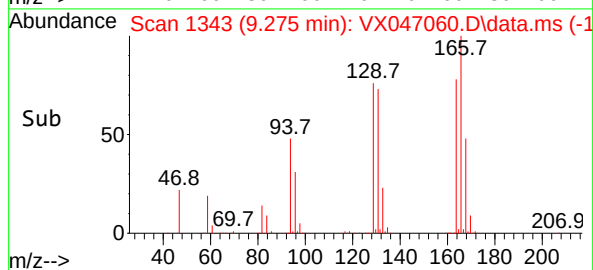
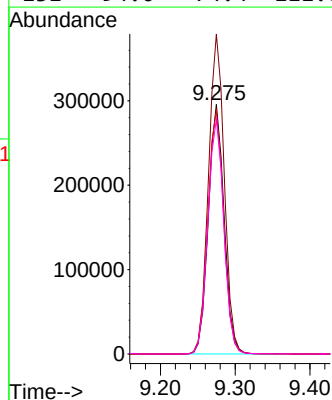
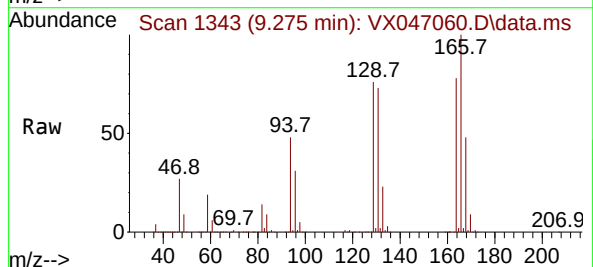
Manual Integrations
APPROVED

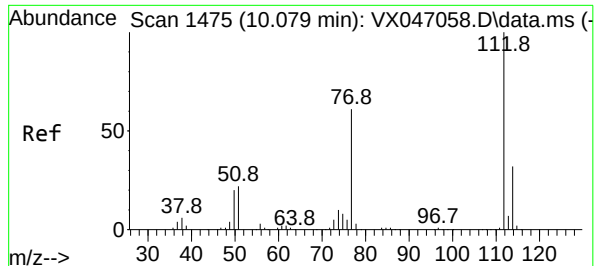
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#64
Tetrachloroethene
Concen: 142.999 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:164 Resp: 433805
Ion Ratio Lower Upper
164 100
166 128.3 106.2 159.4
129 97.6 76.6 114.8
131 94.0 74.4 111.6





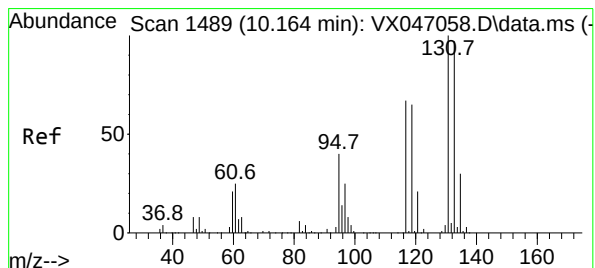
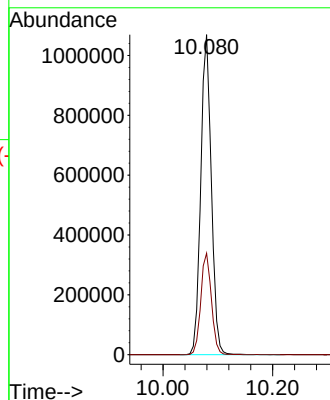
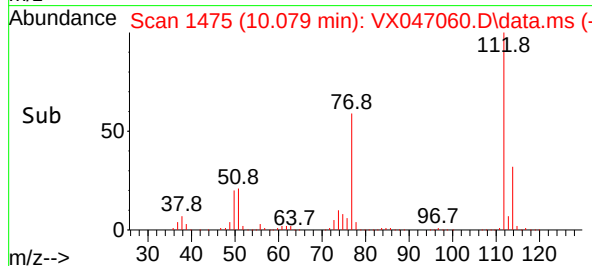
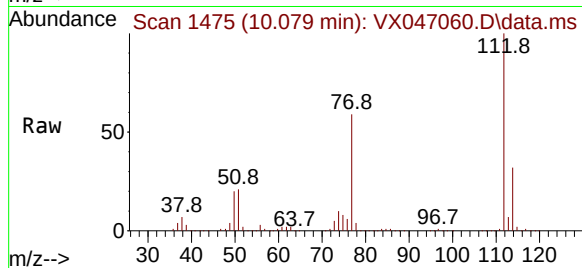
#65
Chlorobenzene
Concen: 145.306 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 143248
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6

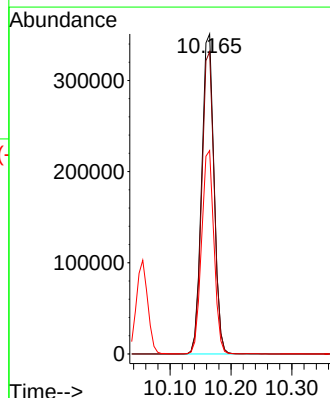
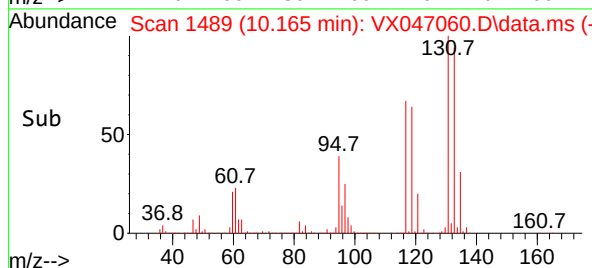
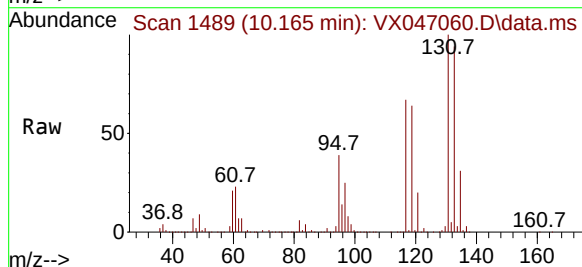
Manual Integrations
APPROVED

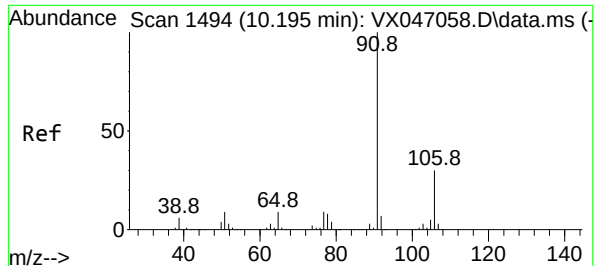
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 149.242 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:131 Resp: 495347
Ion Ratio Lower Upper
131 100
133 94.9 48.4 145.3
119 63.9 32.4 97.0





#67

Ethyl Benzene

Concen: 145.559 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 2508990

Ion Ratio Lower Upper

91 100

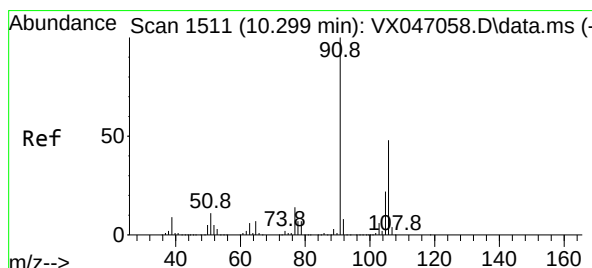
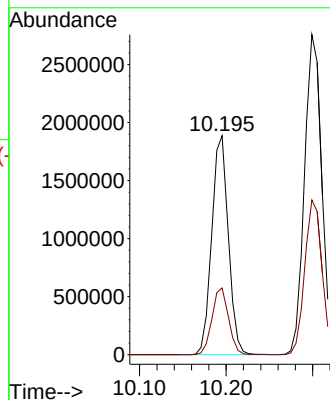
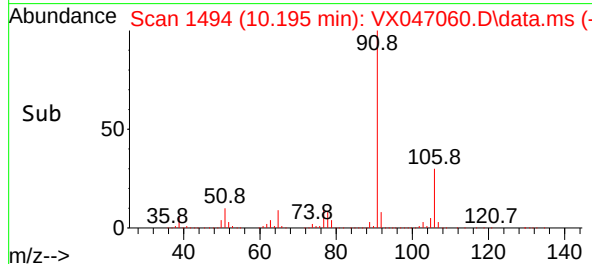
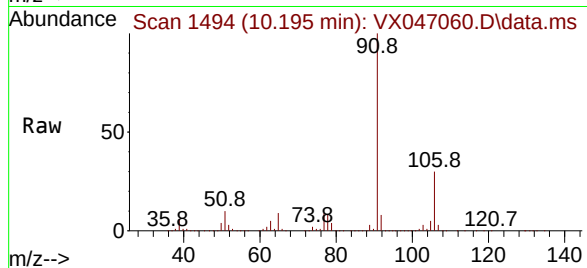
106 30.5 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#68

m/p-Xylenes

Concen: 286.495 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX047060.D

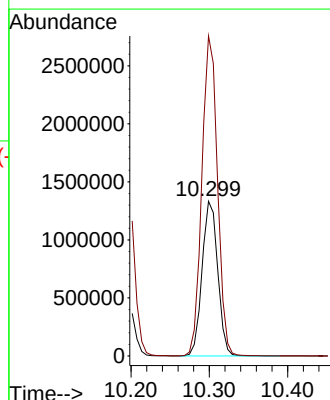
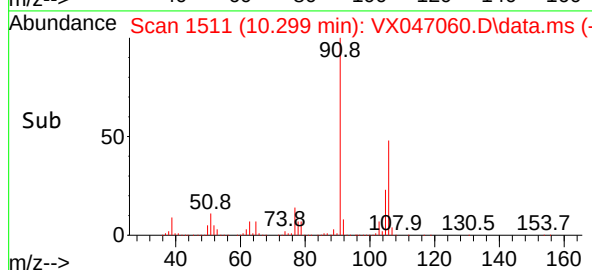
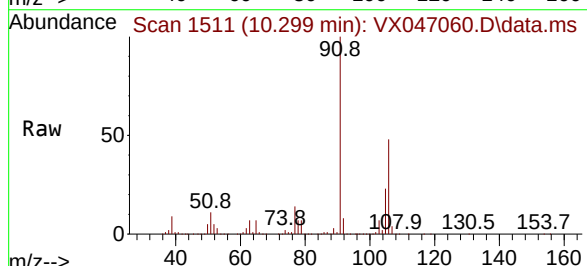
Acq: 21 Jul 2025 11:32

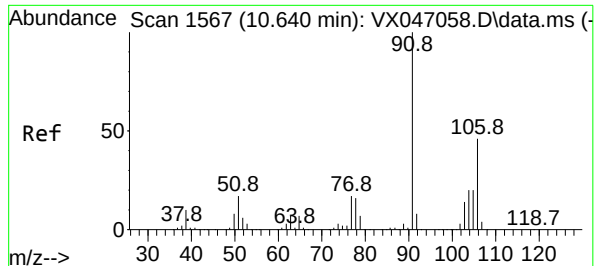
Tgt Ion:106 Resp: 1848008

Ion Ratio Lower Upper

106 100

91 206.7 167.4 251.0





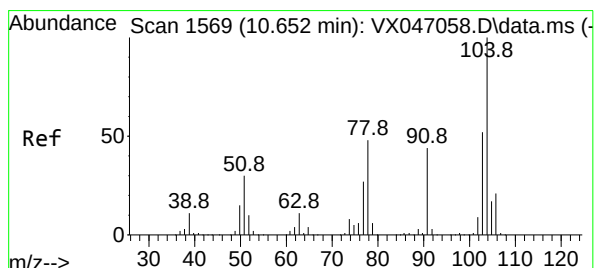
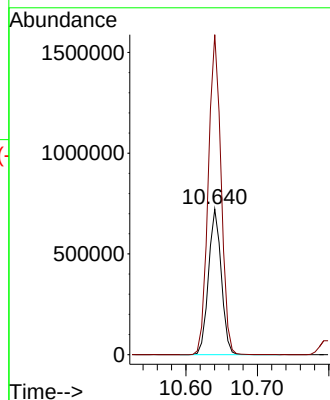
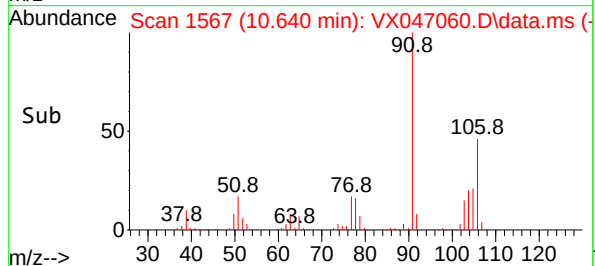
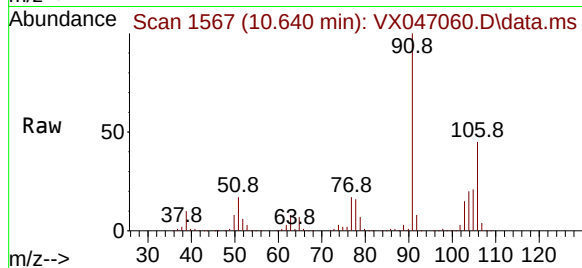
#69
o-Xylene
Concen: 146.292 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 897705
Ion Ratio Lower Upper
106 100
91 220.4 110.3 331.0

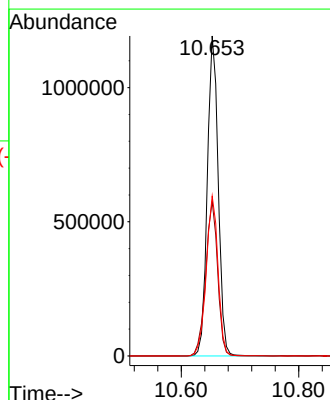
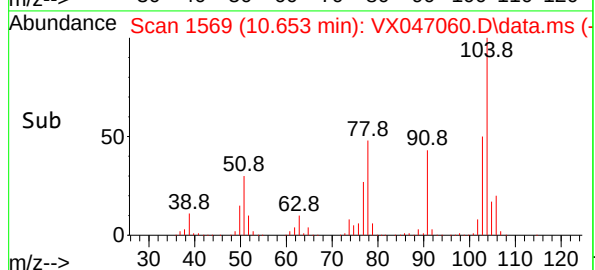
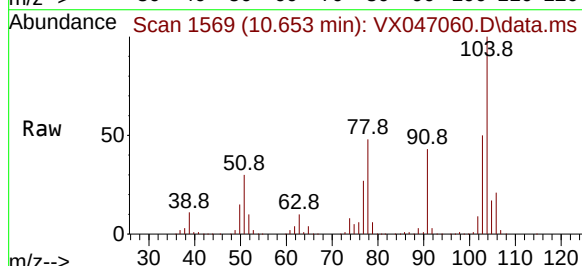
Manual Integrations
APPROVED

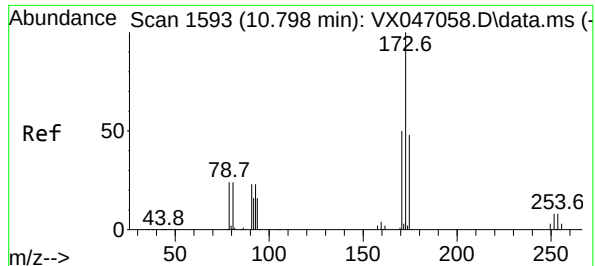
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#70
Styrene
Concen: 146.214 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

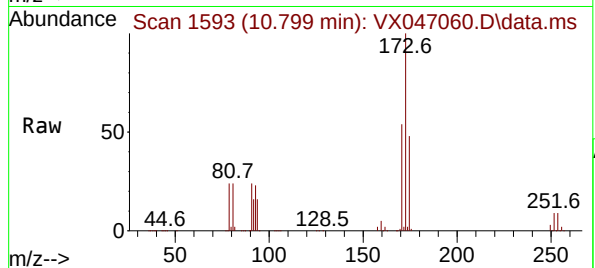
Tgt Ion:104 Resp: 1538516
Ion Ratio Lower Upper
104 100
78 53.1 42.0 63.0
103 54.3 43.8 65.6





#71
Bromoform
Concen: 149.877 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

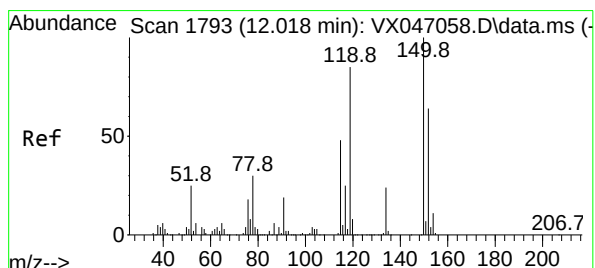
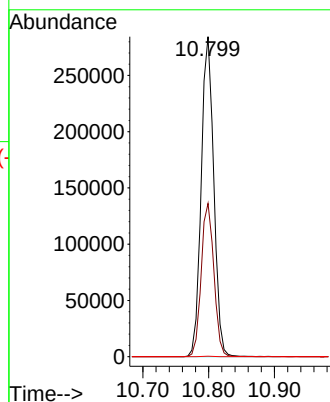
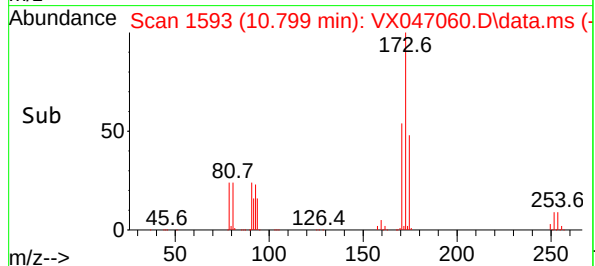
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:173 Resp: 37788
Ion Ratio Lower Upper
173 100
175 48.3 24.2 72.6
254 0.1 0.1 0.1

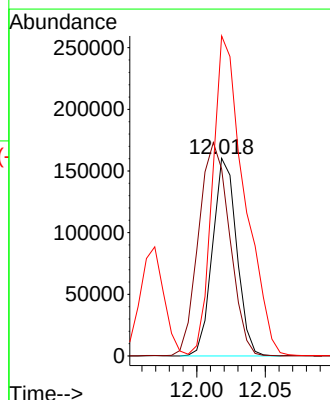
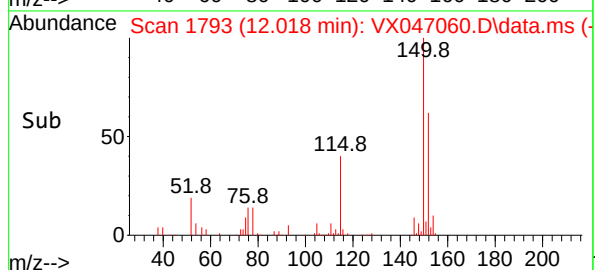
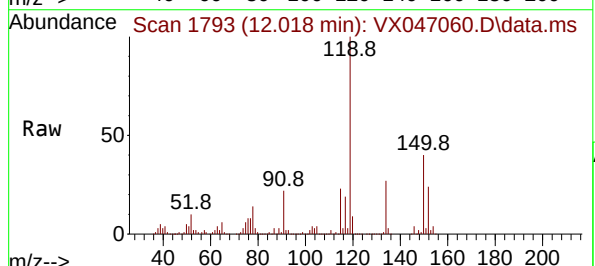
Manual Integrations
APPROVED

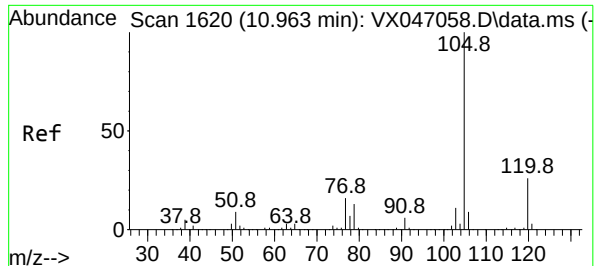
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

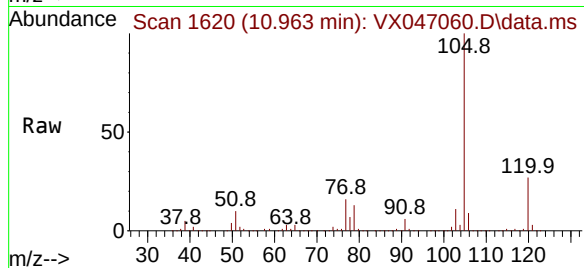
Tgt Ion:152 Resp: 196123
Ion Ratio Lower Upper
152 100
115 139.4 45.6 136.7#
150 213.4 0.0 354.6





#73
Isopropylbenzene
Concen: 151.299 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

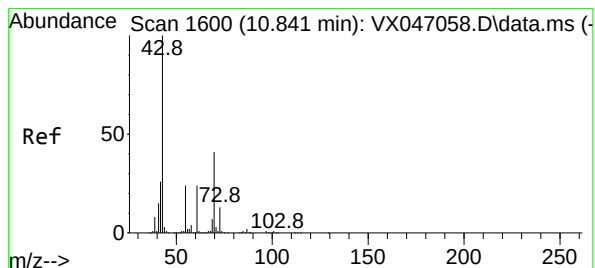
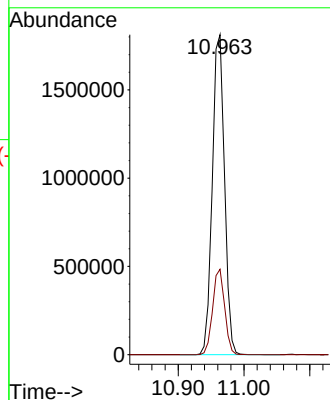
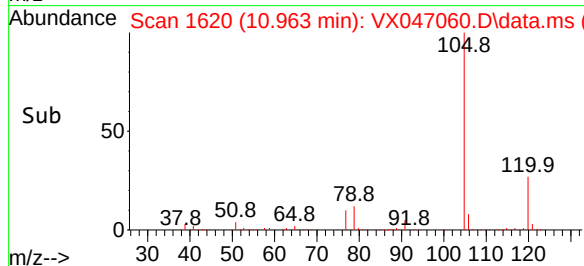
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 2341028
Ion Ratio Lower Upper
105 100
120 26.3 12.9 38.7

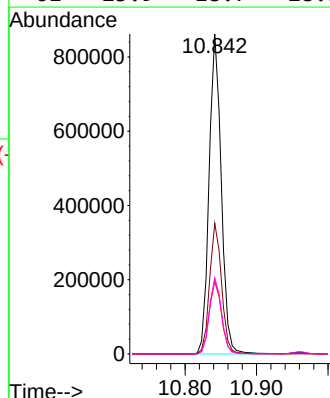
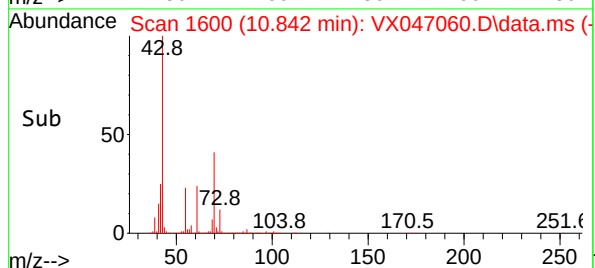
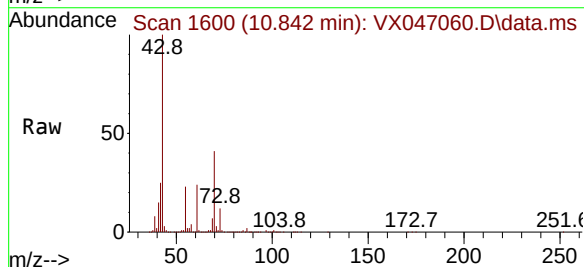
Manual Integrations
APPROVED

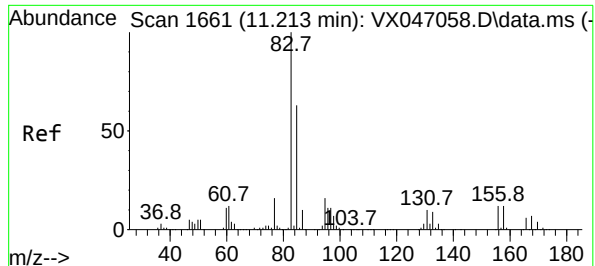
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#74
N-ethyl acetate
Concen: 164.856 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

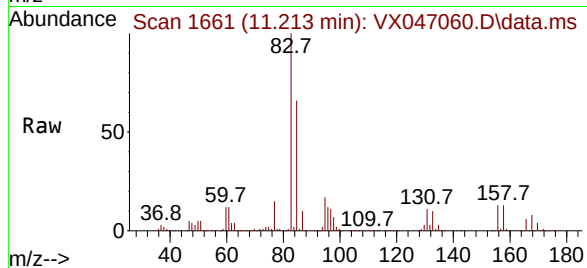
Tgt Ion: 43 Resp: 1017450
Ion Ratio Lower Upper
43 100
70 40.3 32.3 48.5
55 23.1 18.9 28.3
61 23.9 18.7 28.1





#75
1,1,2,2-Tetrachloroethane
Concen: 146.858 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

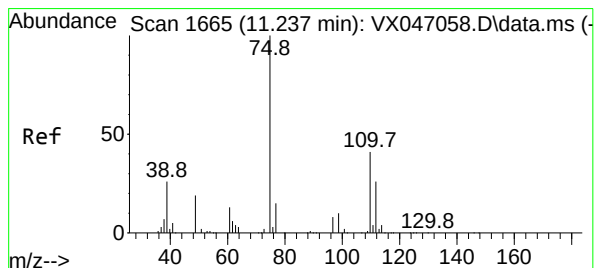
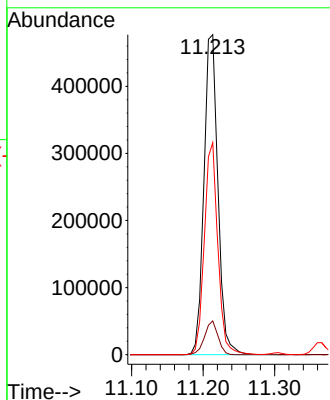
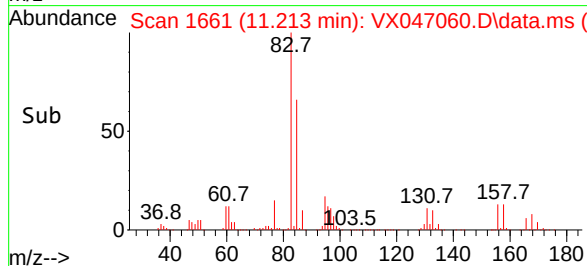
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 83 Resp: 649083
Ion Ratio Lower Upper
83 100
131 10.1 5.0 14.9
85 63.9 32.0 96.2

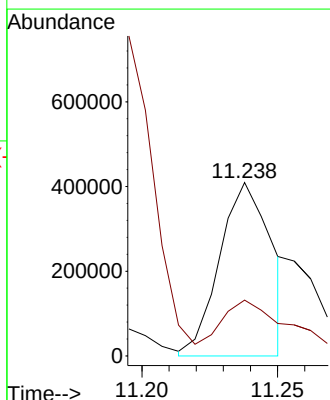
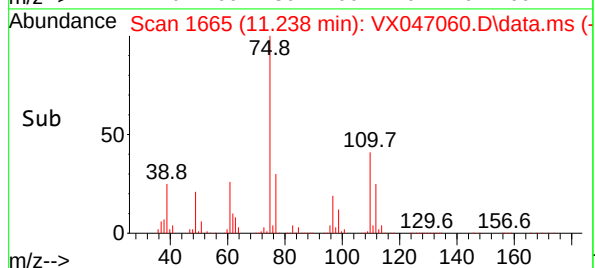
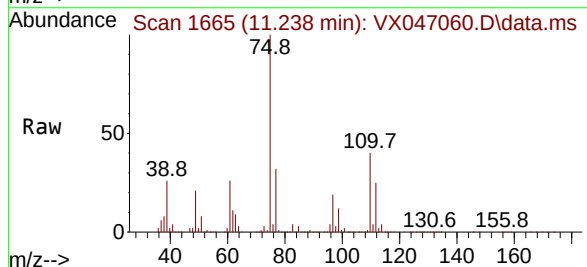
Manual Integrations
APPROVED

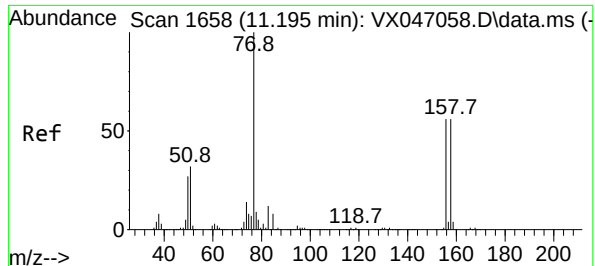
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#76
1,2,3-Trichloropropane
Concen: 149.549 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

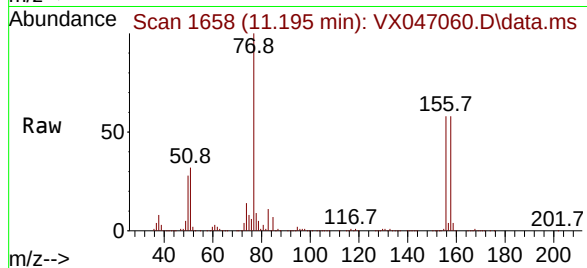
Tgt Ion: 75 Resp: 542883
Ion Ratio Lower Upper
75 100
77 43.5 21.6 65.0





#77
Bromobenzene
Concen: 149.806 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

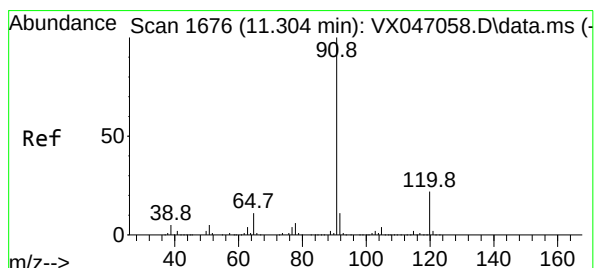
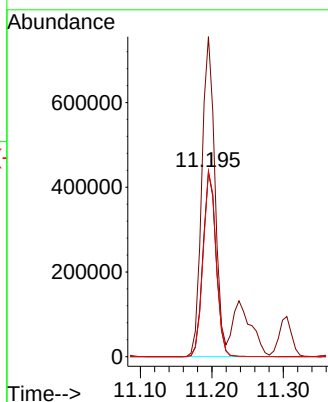
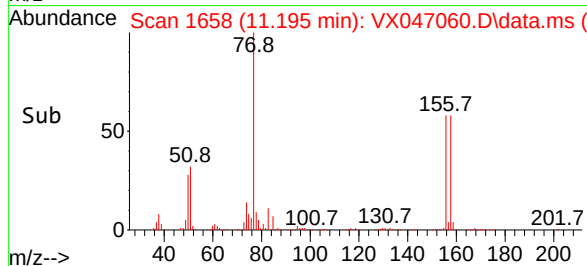
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:156 Resp: 555960
Ion Ratio Lower Upper
156 100
77 172.6 87.3 261.9
158 99.3 48.9 146.6

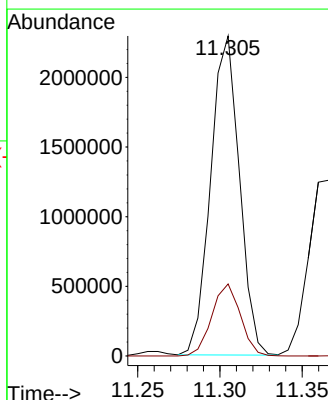
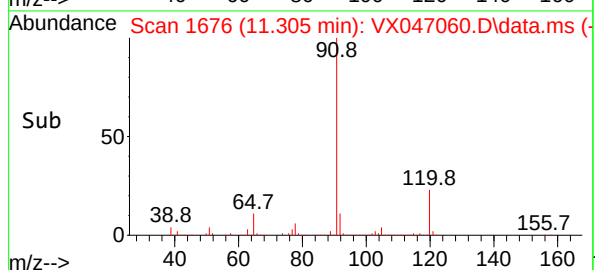
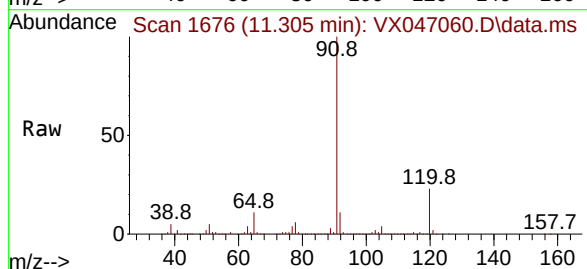
Manual Integrations
APPROVED

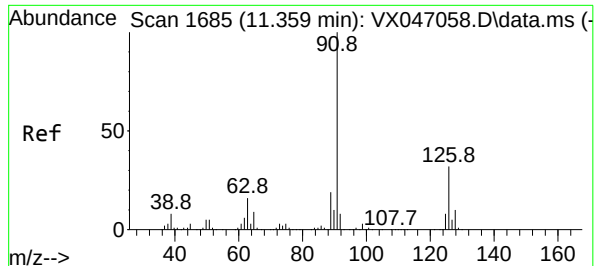
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#78
n-propylbenzene
Concen: 150.924 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 91 Resp: 2790577
Ion Ratio Lower Upper
91 100
120 22.4 11.0 33.0





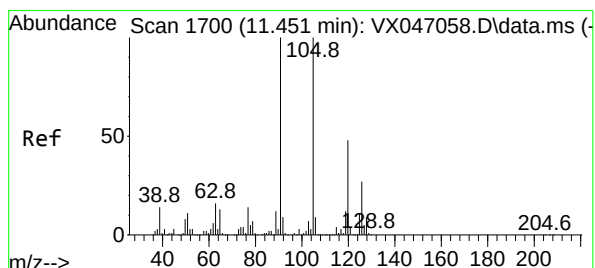
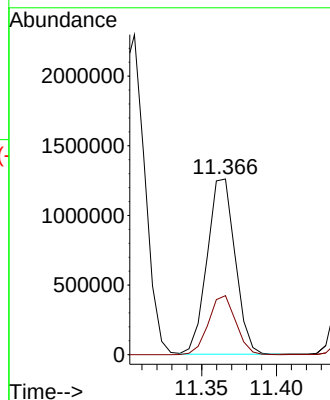
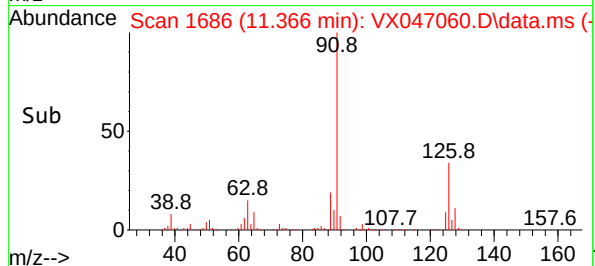
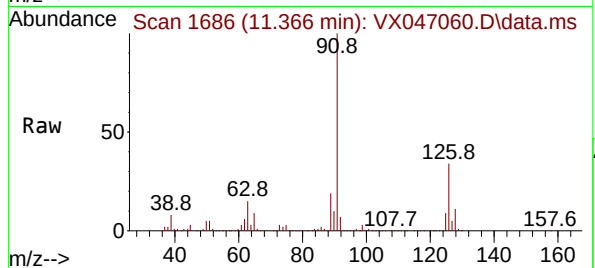
#79
2-Chlorotoluene
Concen: 148.487 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.007 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1641174
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.4

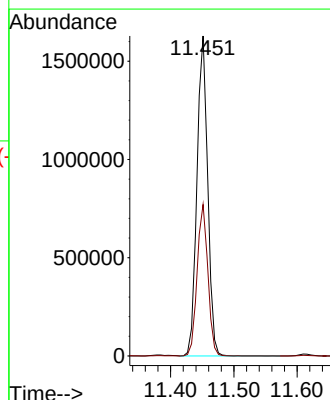
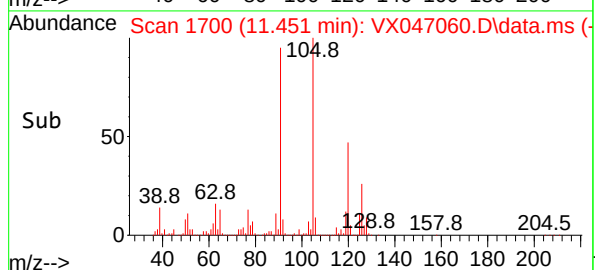
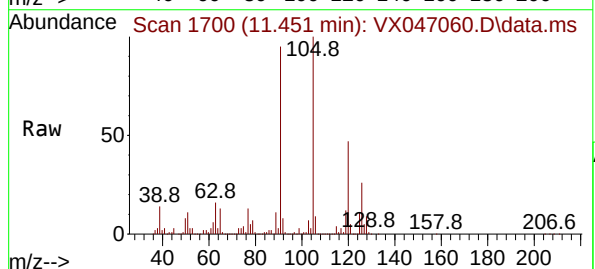
Manual Integrations
APPROVED

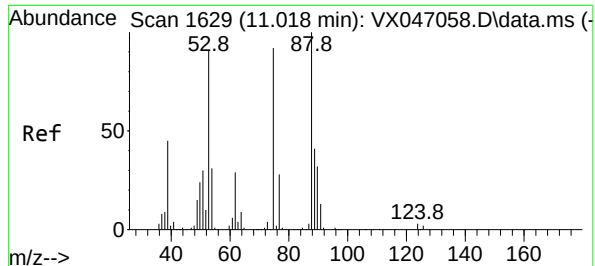
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#80
1,3,5-Trimethylbenzene
Concen: 150.280 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:105 Resp: 1921023
Ion Ratio Lower Upper
105 100
120 47.5 23.8 71.5





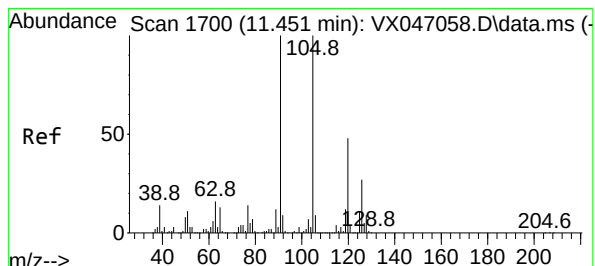
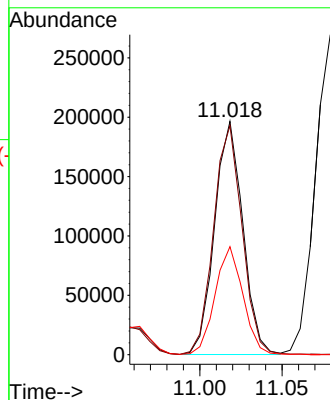
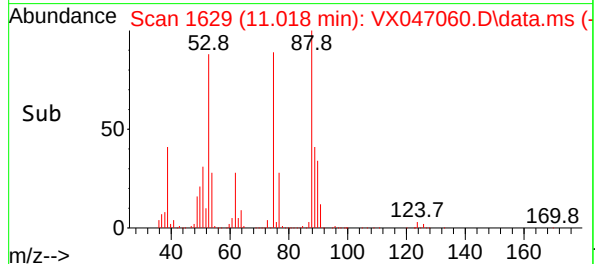
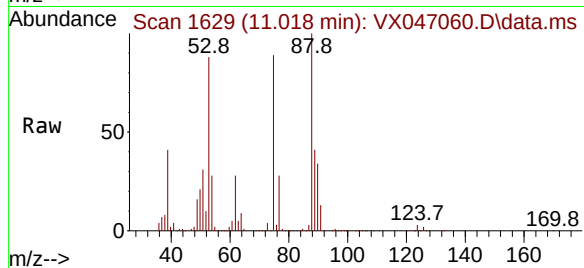
#81
trans-1,4-Dichloro-2-butene
Concen: 166.150 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 23410
Ion Ratio Lower Upper
75 100
53 99.1 84.2 126.4
89 45.9 36.0 54.0

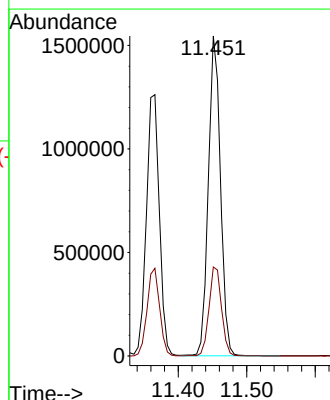
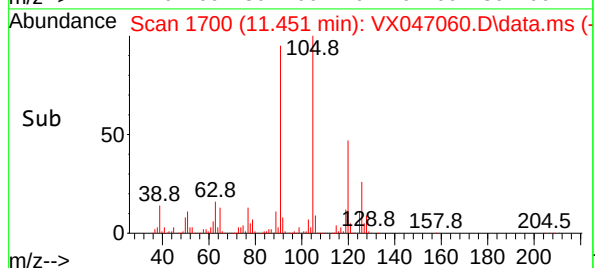
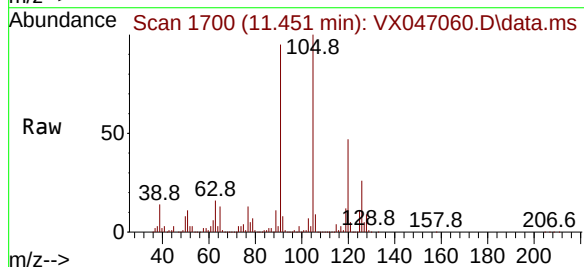
Manual Integrations
APPROVED

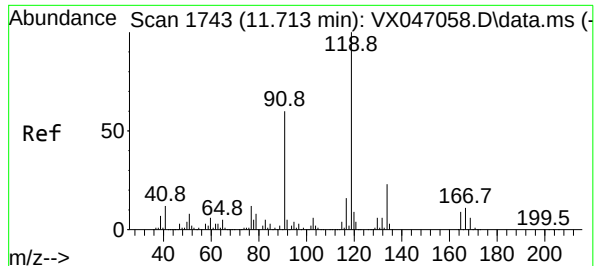
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#82
4-Chlorotoluene
Concen: 147.381 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

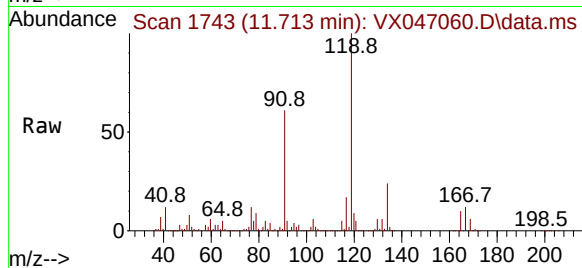
Tgt Ion: 91 Resp: 1901346
Ion Ratio Lower Upper
91 100
126 28.7 14.1 42.3





#83
tert-Butylbenzene
Concen: 151.288 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

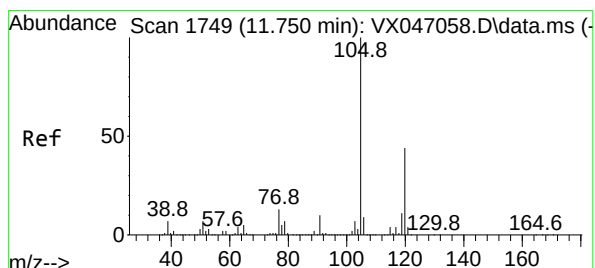
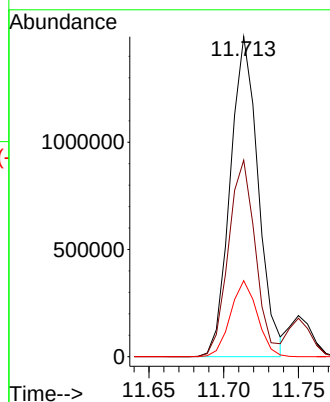
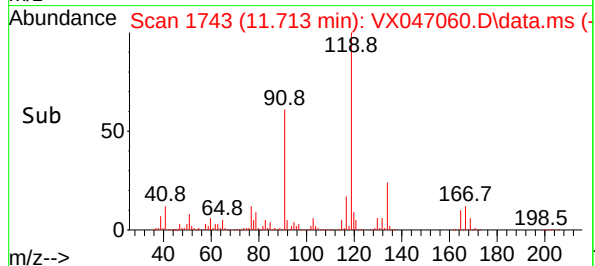
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:119 Resp: 1941048
Ion Ratio Lower Upper
119 100
91 59.8 29.6 88.8
134 22.8 11.4 34.1

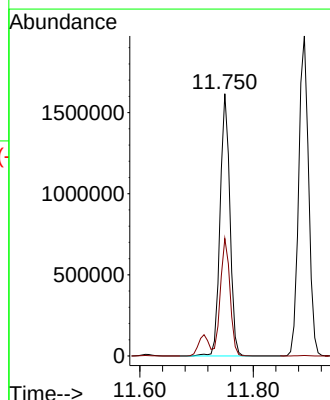
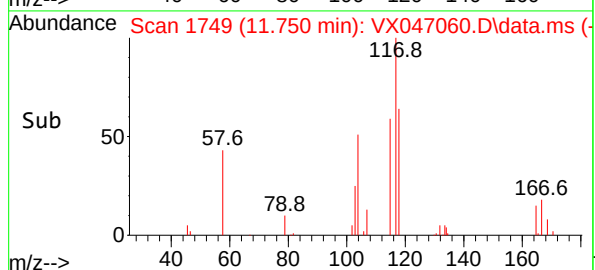
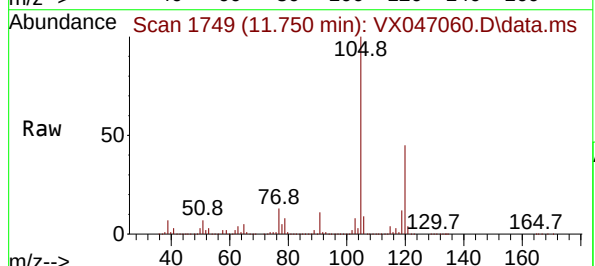
Manual Integrations
APPROVED

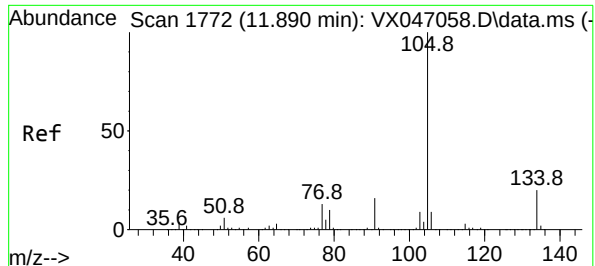
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#84
1,2,4-Trimethylbenzene
Concen: 150.829 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

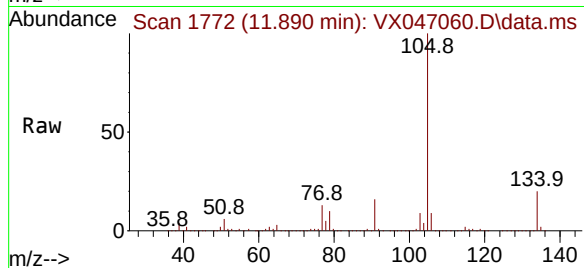
Tgt Ion:105 Resp: 1923088
Ion Ratio Lower Upper
105 100
120 44.3 22.0 66.0





#85
sec-Butylbenzene
Concen: 148.873 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

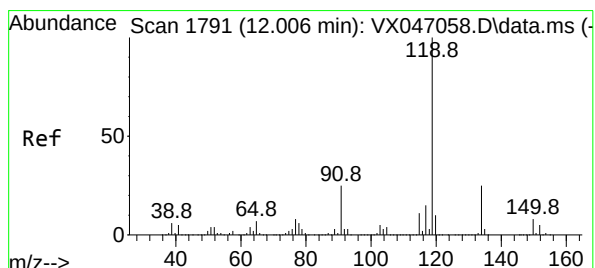
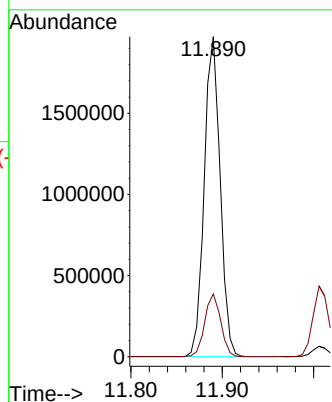
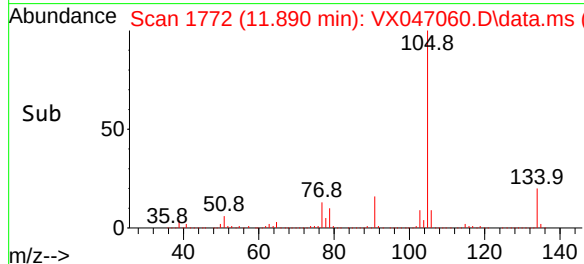
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 238655
Ion Ratio Lower Upper
105 100
134 19.7 9.9 29.7

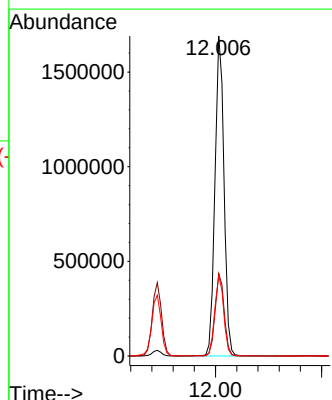
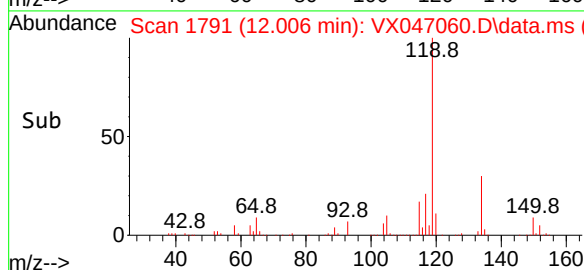
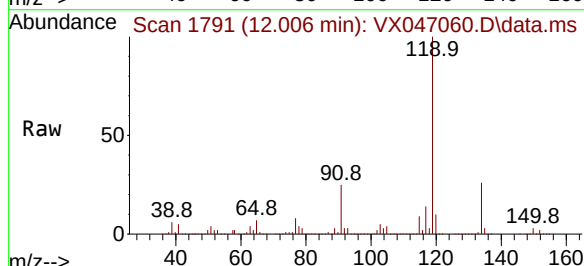
Manual Integrations
APPROVED

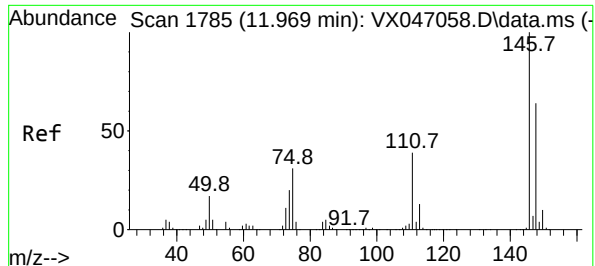
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#86
p-Isopropyltoluene
Concen: 150.546 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:119 Resp: 2001346
Ion Ratio Lower Upper
119 100
134 25.7 12.8 38.4
91 25.0 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 148.192 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 104499

Ion Ratio Lower Upper

146 100

111 42.0 21.0 63.0

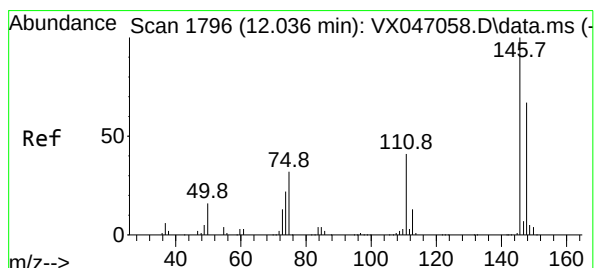
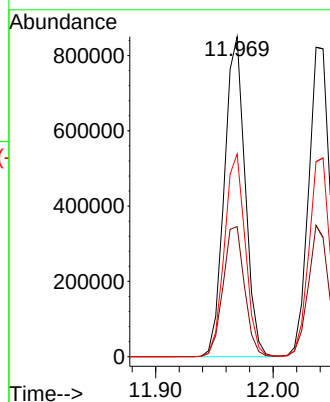
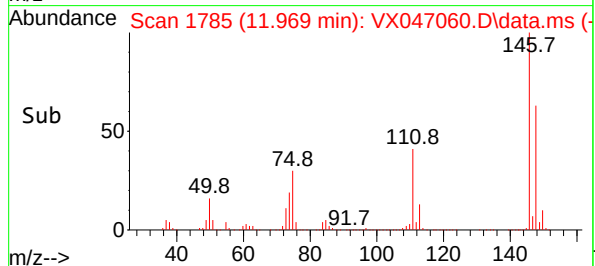
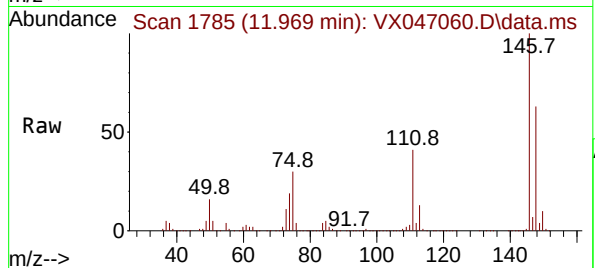
148 63.6 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#88

1,4-Dichlorobenzene

Concen: 145.525 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

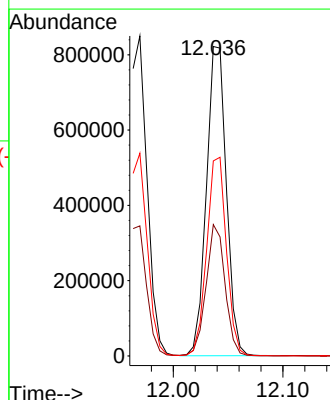
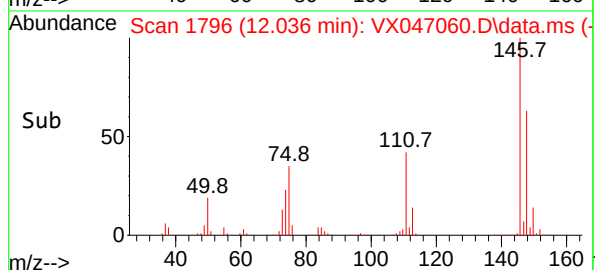
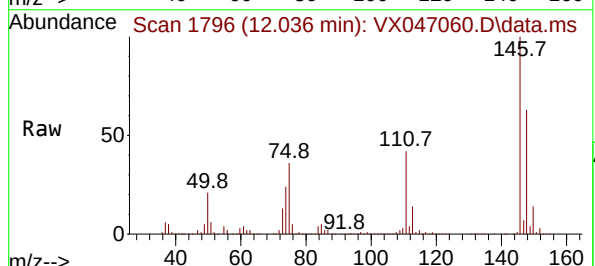
Tgt Ion:146 Resp: 1039670

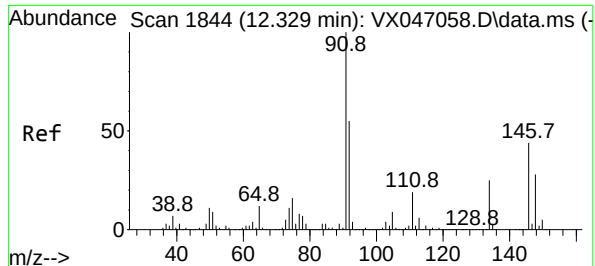
Ion Ratio Lower Upper

146 100

111 40.5 20.6 61.9

148 63.7 33.0 98.9





#89

n-Butylbenzene

Concen: 150.392 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1874924

Ion Ratio Lower Upper

91 100

92 54.7 27.5 82.5

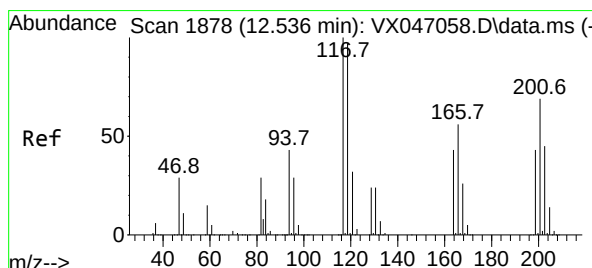
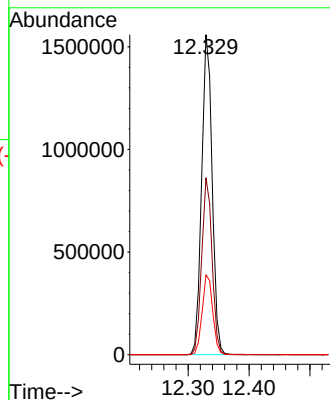
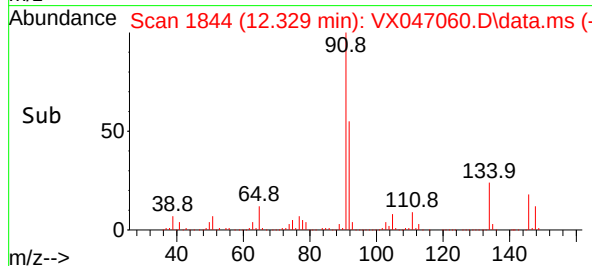
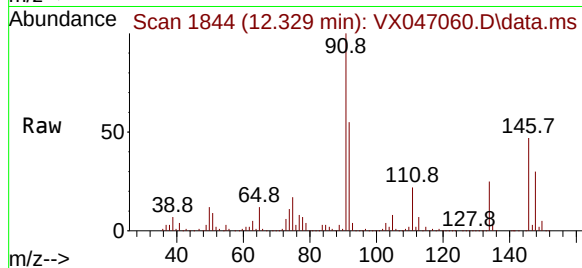
134 25.2 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#90

Hexachloroethane

Concen: 158.429 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX047060.D

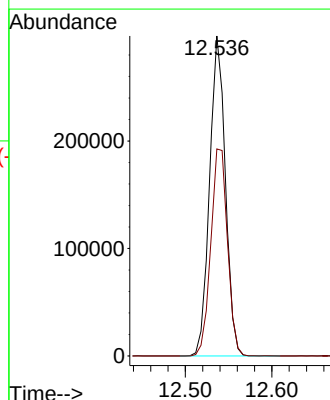
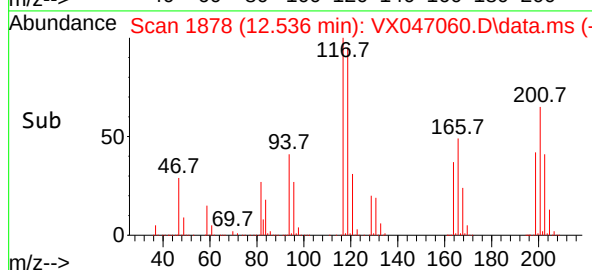
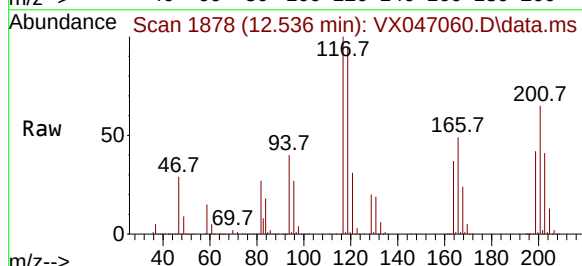
Acq: 21 Jul 2025 11:32

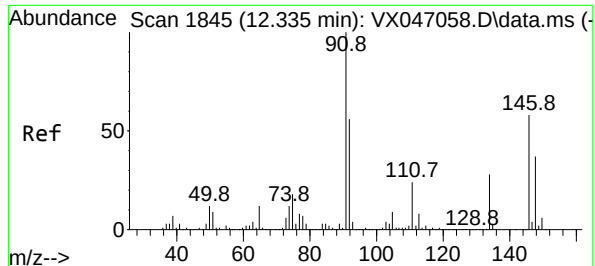
Tgt Ion:117 Resp: 376780

Ion Ratio Lower Upper

117 100

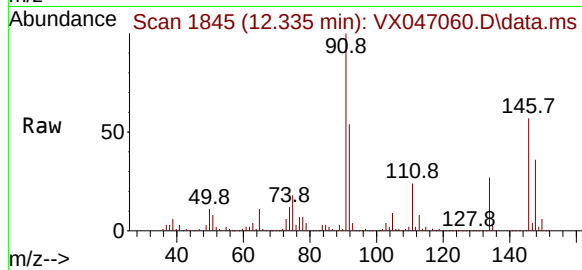
201 68.5 34.8 104.5





#91
1,2-Dichlorobenzene
Concen: 147.614 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

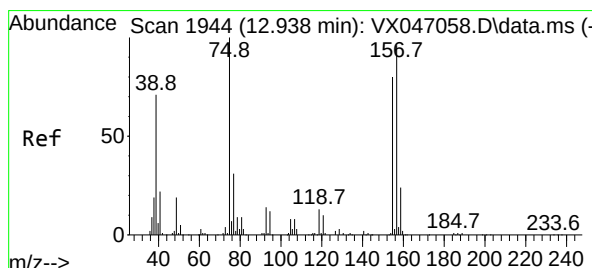
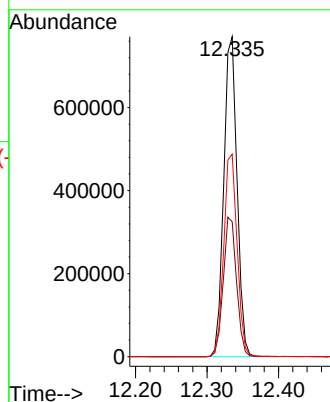
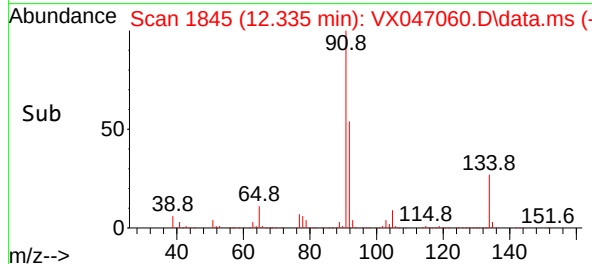
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:146 Resp: 994860
Ion Ratio Lower Upper
146 100
111 43.5 21.6 64.6
148 63.8 31.9 95.7

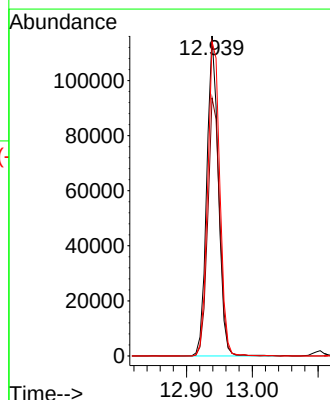
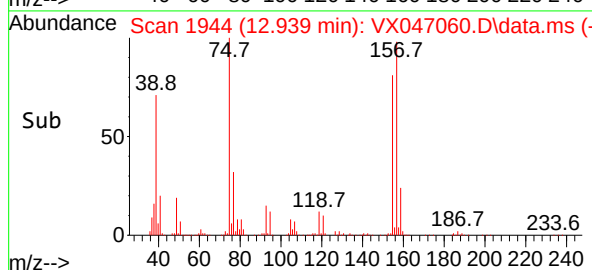
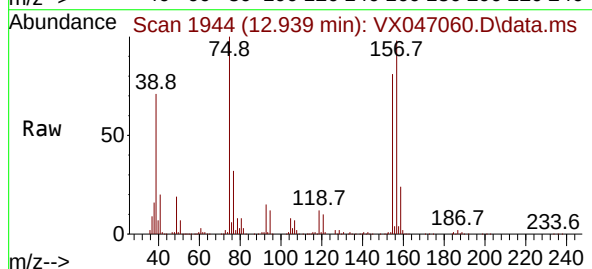
Manual Integrations
APPROVED

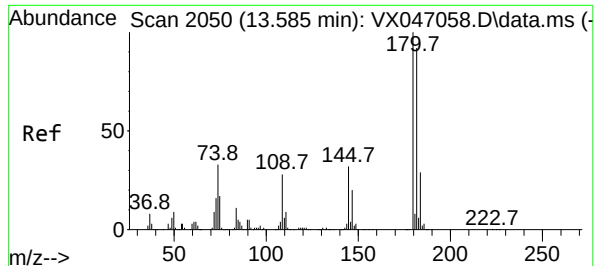
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 167.843 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 75 Resp: 142395
Ion Ratio Lower Upper
75 100
155 83.1 41.3 124.1
157 103.2 52.8 158.3





#93

1,2,4-Trichlorobenzene

Concen: 155.373 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:180 Resp: 69185

Ion Ratio Lower Upper

180 100

182 94.9 47.3 141.8

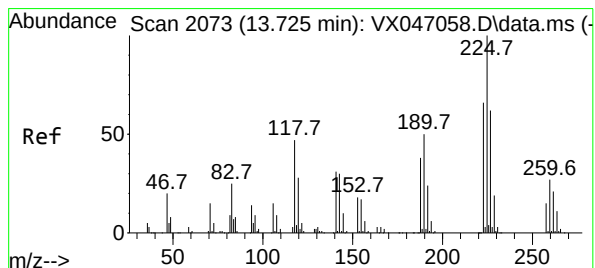
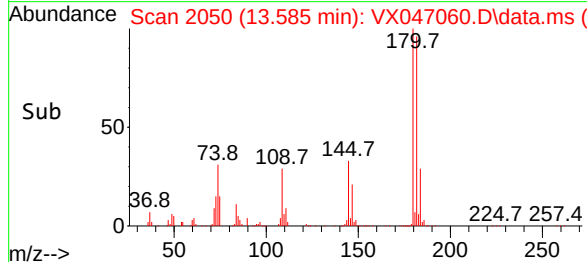
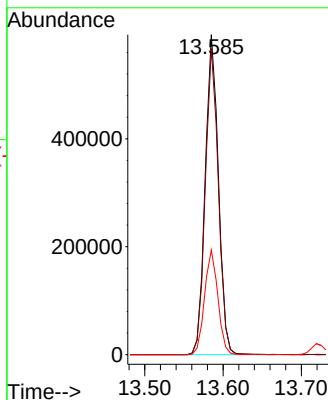
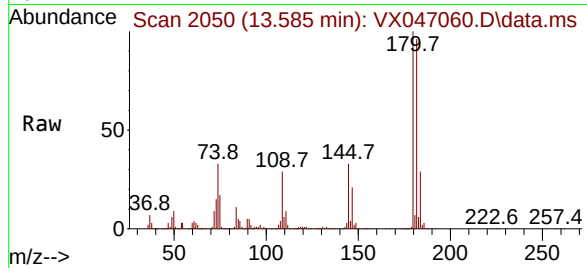
145 32.9 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#94

Hexachlorobutadiene

Concen: 148.249 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX047060.D

Acq: 21 Jul 2025 11:32

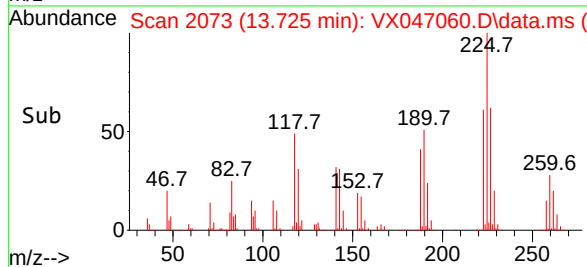
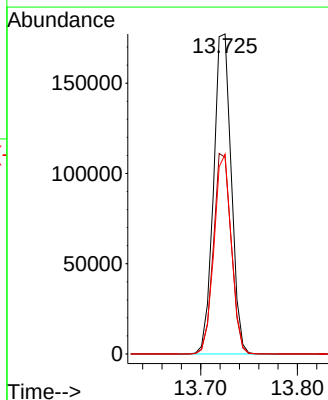
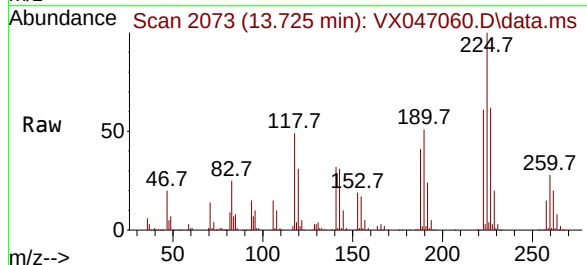
Tgt Ion:225 Resp: 224504

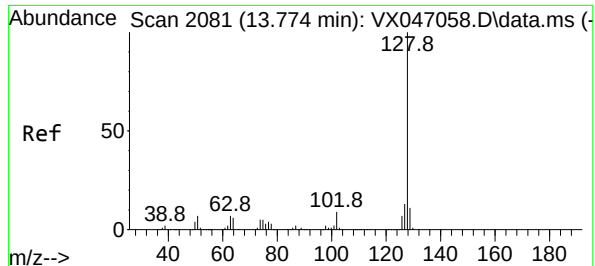
Ion Ratio Lower Upper

225 100

223 62.8 31.6 95.0

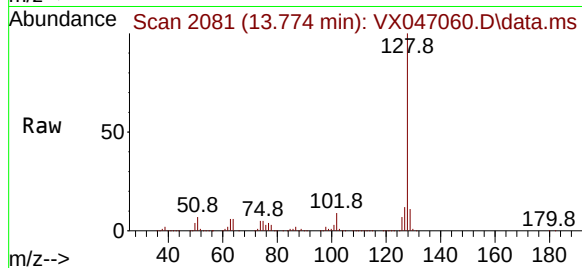
227 61.5 32.9 98.6





#95
Naphthalene
Concen: 166.363 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

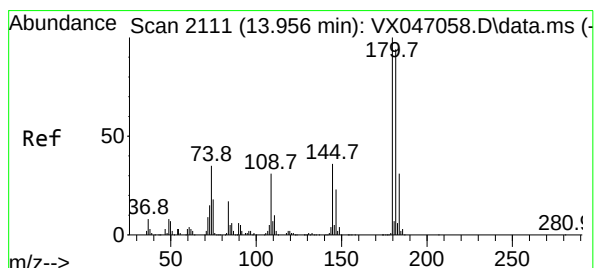
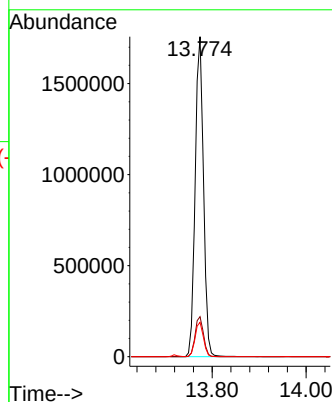
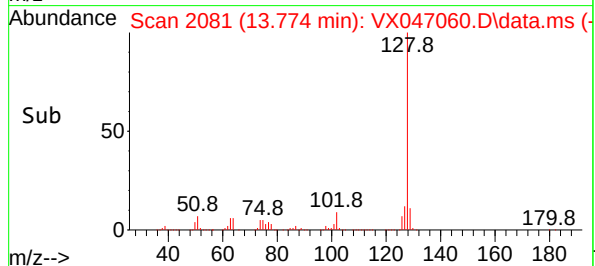
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:128 Resp: 217168
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.8 8.6 13.0

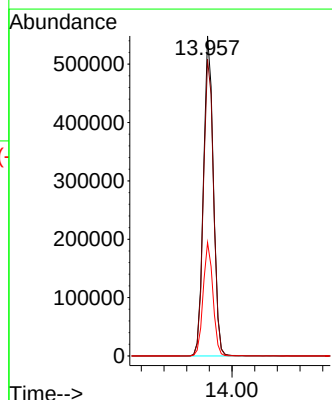
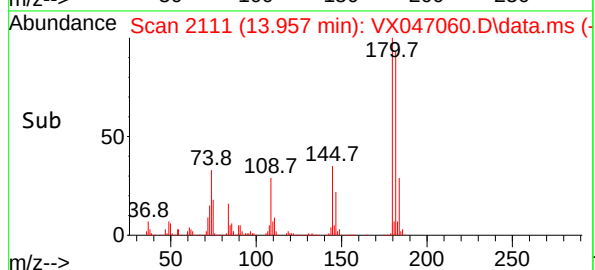
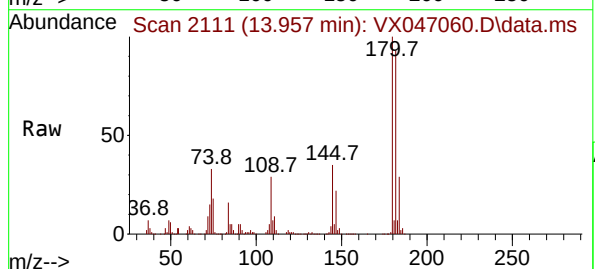
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 154.436 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:180 Resp: 662501
Ion Ratio Lower Upper
180 100
182 95.4 46.9 140.6
145 35.0 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047062.D
 Acq On : 21 Jul 2025 13:17
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072125

Quant Time: Jul 22 04:01:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	353932	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	594788	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	516907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	245093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	176451	40.022	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	80.040%		
35) Dibromofluoromethane	5.385	113	155150	42.247	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.500%		
50) Toluene-d8	8.647	98	476939	40.102	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	80.200%#		
62) 4-Bromofluorobenzene	11.079	95	209003	40.779	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	81.560%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	240944	51.252	ug/l	99
3) Chloromethane	1.307	50	220344	47.383	ug/l	100
4) Vinyl Chloride	1.386	62	244133	48.838	ug/l	100
5) Bromomethane	1.618	94	153243	56.435	ug/l	97
6) Chloroethane	1.703	64	146679	44.676	ug/l	96
7) Trichlorofluoromethane	1.904	101	354446	47.552	ug/l	96
8) Diethyl Ether	2.142	74	122150	46.477	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	211536	47.104	ug/l	99
10) Methyl Iodide	2.465	142	206176	45.047	ug/l	97
11) Tert butyl alcohol	2.953	59	107694	207.194	ug/l	99
12) 1,1-Dichloroethene	2.331	96	207074	46.555	ug/l	98
13) Acrolein	2.245	56	197909	208.477	ug/l	99
14) Allyl chloride	2.678	41	375824	46.743	ug/l	99
15) Acrylonitrile	3.069	53	485401	230.845	ug/l	100
16) Acetone	2.386	43	407681	230.823	ug/l	95
17) Carbon Disulfide	2.526	76	588590	45.742	ug/l	99
18) Methyl Acetate	2.709	43	206733	44.045	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	613097	45.291	ug/l	98
20) Methylene Chloride	2.800	84	218853	45.041	ug/l	98
21) trans-1,2-Dichloroethene	3.099	96	210229	46.188	ug/l	98
22) Diisopropyl ether	3.764	45	712919	46.119	ug/l	96
23) Vinyl Acetate	3.727	43	2900485	233.940	ug/l	100
24) 1,1-Dichloroethane	3.617	63	388232	45.165	ug/l	100
25) 2-Butanone	4.556	43	562934	218.892	ug/l	100
26) 2,2-Dichloropropane	4.483	77	308018	46.290	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	242036	44.906	ug/l	99
28) Bromochloromethane	4.904	49	186533	47.168	ug/l	100
29) Tetrahydrofuran	5.001	42	360837	217.460	ug/l	99
30) Chloroform	5.093	83	382651	43.731	ug/l	100
31) Cyclohexane	5.477	56	359502	43.618	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	336918	44.331	ug/l	99
36) 1,1-Dichloropropene	5.696	75	272074	43.463	ug/l	99
37) Ethyl Acetate	4.715	43	244468	42.381	ug/l	99
38) Carbon Tetrachloride	5.678	117	295708	44.259	ug/l	98
39) Methylcyclohexane	7.379	83	344962	44.136	ug/l	99
40) Benzene	6.038	78	802625	44.304	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047062.D
 Acq On : 21 Jul 2025 13:17
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072125

Quant Time: Jul 22 04:01:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	138183	45.816	ug/l	97
42) 1,2-Dichloroethane	6.086	62	283205	44.378	ug/l	99
43) Isopropyl Acetate	6.336	43	409733	45.564	ug/l	99
44) Trichloroethene	7.123	130	202817	43.658	ug/l	98
45) 1,2-Dichloropropane	7.428	63	200065	44.093	ug/l	98
46) Dibromomethane	7.580	93	143569	45.121	ug/l	99
47) Bromodichloromethane	7.818	83	301133	44.463	ug/l	99
48) Methyl methacrylate	7.690	41	208228	42.505	ug/l	99
49) 1,4-Dioxane	7.653	88	51080m	916.760	ug/l	
51) 4-Methyl-2-Pentanone	8.568	43	1164013	217.774	ug/l	100
52) Toluene	8.714	92	498799	44.778	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	290633	45.444	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	322967	46.140	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	180762	43.270	ug/l	99
56) Ethyl methacrylate	9.116	69	286552	46.334	ug/l	100
57) 1,3-Dichloropropane	9.305	76	314736	43.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	774980	225.188	ug/l	100
59) 2-Hexanone	9.427	43	807822	228.755	ug/l	100
60) Dibromochloromethane	9.519	129	216749	44.239	ug/l	100
61) 1,2-Dibromoethane	9.604	107	188713	43.202	ug/l	99
64) Tetrachloroethene	9.269	164	164447	44.131	ug/l	96
65) Chlorobenzene	10.073	112	536664	44.318	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	181544	44.529	ug/l	99
67) Ethyl Benzene	10.189	91	952288	44.977	ug/l	100
68) m/p-Xylenes	10.299	106	709639	89.564	ug/l	100
69) o-Xylene	10.640	106	341662	45.328	ug/l	99
70) Styrene	10.653	104	589610	45.618	ug/l	100
71) Bromoform	10.799	173	136594	44.106	ug/l	100
73) Isopropylbenzene	10.957	105	903154	46.708	ug/l	100
74) N-amyl acetate	10.842	43	360744	46.238	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	248756	45.037	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	209195m	46.113	ug/l	
77) Bromobenzene	11.195	156	215391	46.441	ug/l	98
78) n-propylbenzene	11.299	91	1081658	46.812	ug/l	100
79) 2-Chlorotoluene	11.360	91	631252	45.702	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	737827	46.187	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	79906	45.380	ug/l	97
82) 4-Chlorotoluene	11.451	91	749299	46.476	ug/l	99
83) tert-Butylbenzene	11.713	119	752650	46.942	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	744757	46.741	ug/l	99
85) sec-Butylbenzene	11.890	105	934198	46.632	ug/l	99
86) p-Isopropyltoluene	12.006	119	773508	46.560	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	400520	45.450	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	398497	44.634	ug/l	98
89) n-Butylbenzene	12.329	91	735386	47.201	ug/l	99
90) Hexachloroethane	12.536	117	138697	46.667	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	373286	44.320	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47608	44.904	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	261487	46.990	ug/l	99
94) Hexachlorobutadiene	13.725	225	86113	45.502	ug/l	99
95) Naphthalene	13.774	128	755367	46.304	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	241137	44.980	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/22/2025
Supervised By : Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

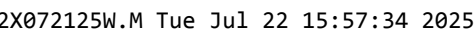
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

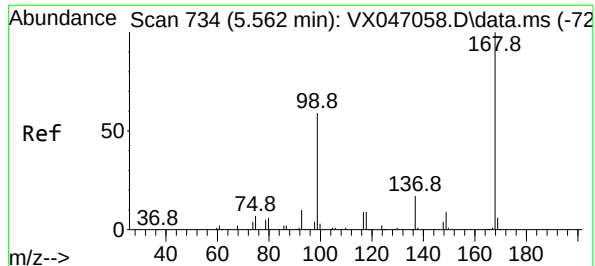
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

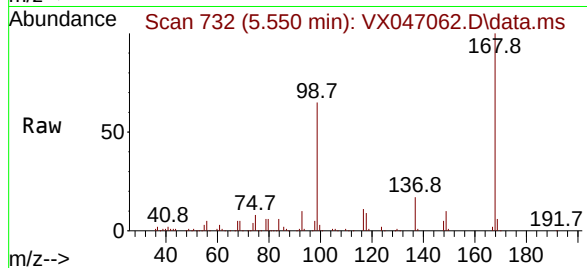
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 734
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

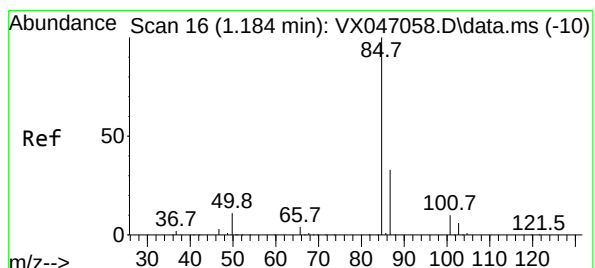
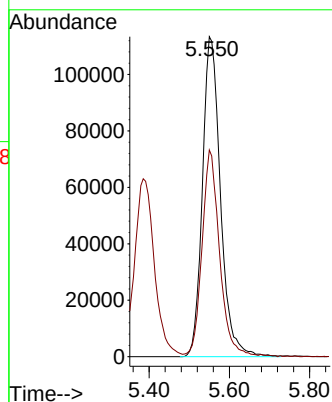
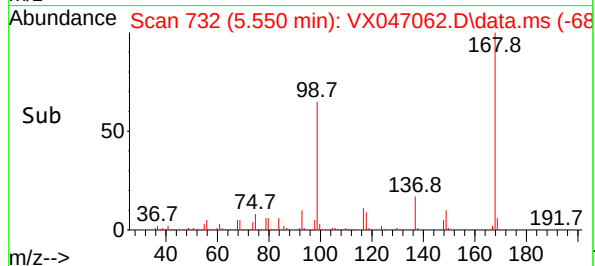
Instrument :
MSVOA_X
ClientSampleId :
ICVX072125



Tgt Ion:168 Resp: 35393
Ion Ratio Lower Upper
168 100
99 64.3 48.0 72.0

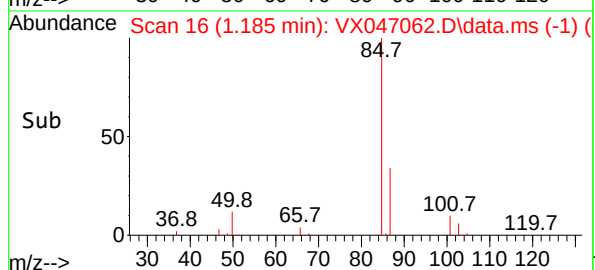
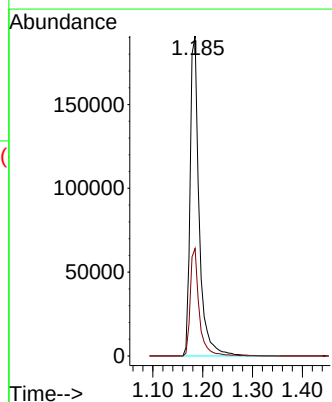
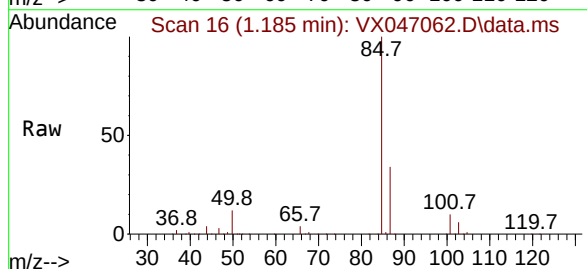
Manual Integrations
APPROVED

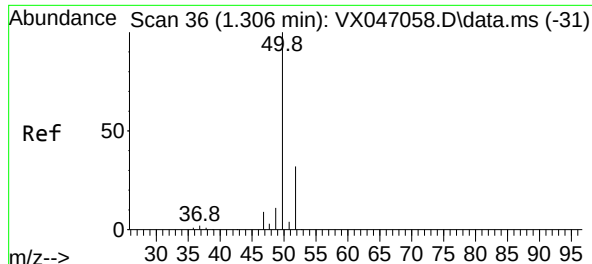
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#2
Dichlorodifluoromethane
Concen: 51.252 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

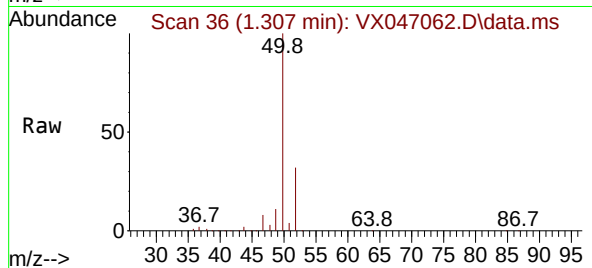
Tgt Ion: 85 Resp: 240944
Ion Ratio Lower Upper
85 100
87 33.6 16.6 49.8





#3
Chloromethane
Concen: 47.383 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

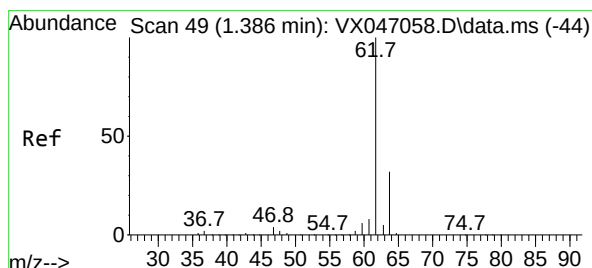
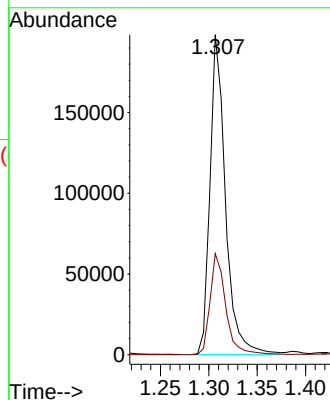
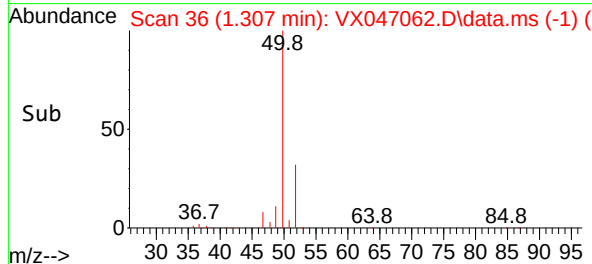
Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125



Tgt Ion: 50 Resp: 220344
Ion Ratio Lower Upper
50 100
52 31.6 25.4 38.2

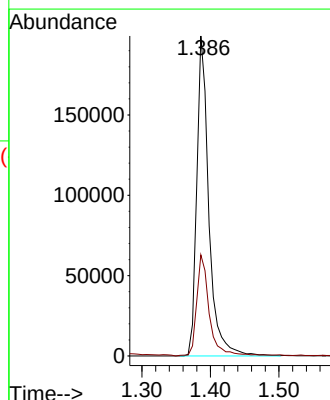
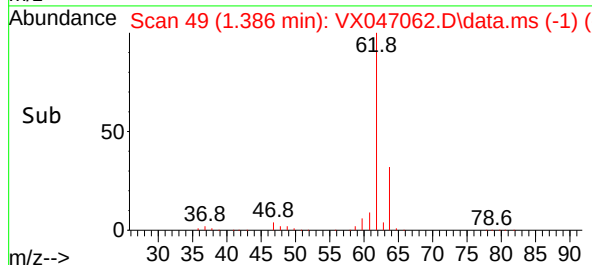
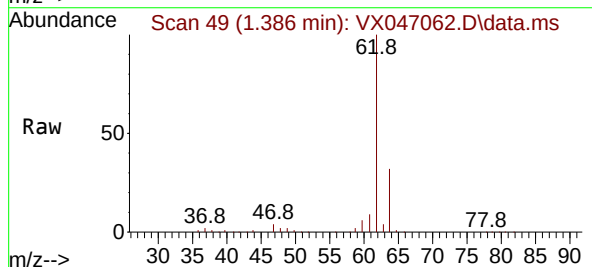
Manual Integrations
APPROVED

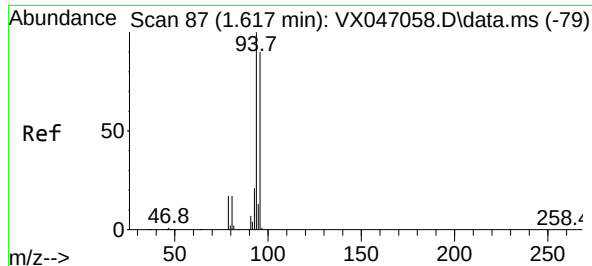
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#4
Vinyl Chloride
Concen: 48.838 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

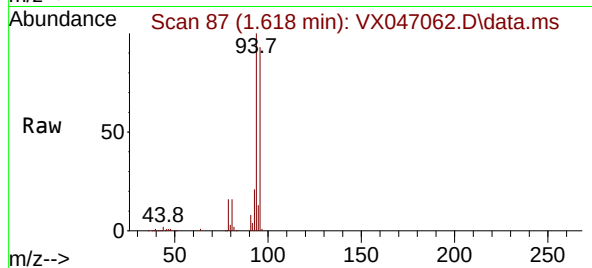
Tgt Ion: 62 Resp: 244133
Ion Ratio Lower Upper
62 100
64 31.4 25.2 37.8





#5
Bromomethane
Concen: 56.435 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

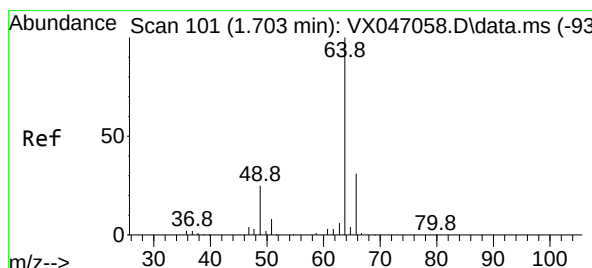
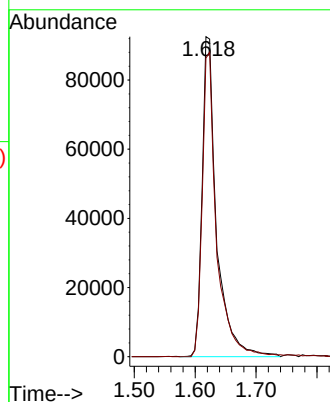
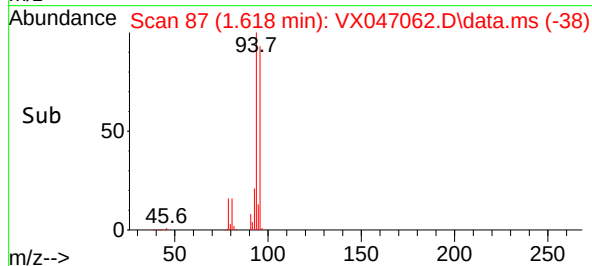
Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125



Tgt Ion: 94 Resp: 15324
Ion Ratio Lower Upper
94 100
96 93.3 72.3 108.5

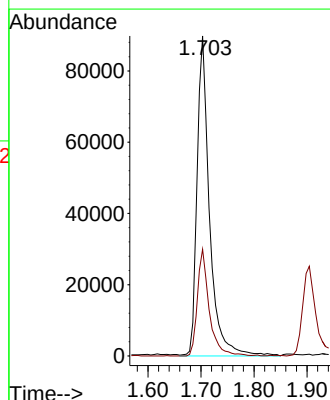
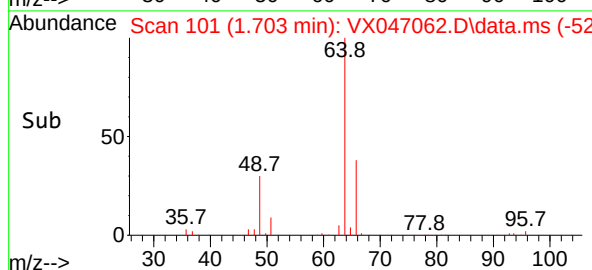
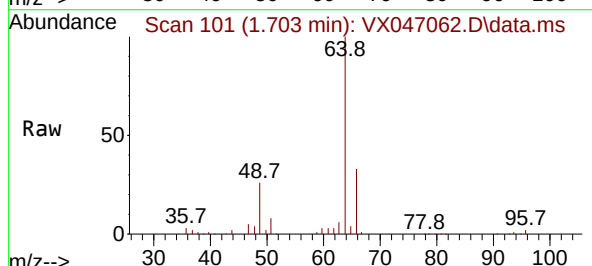
Manual Integrations
APPROVED

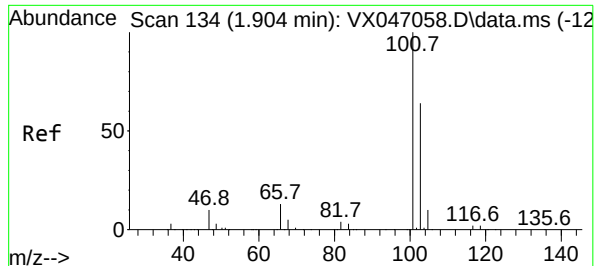
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#6
Chloroethane
Concen: 44.676 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

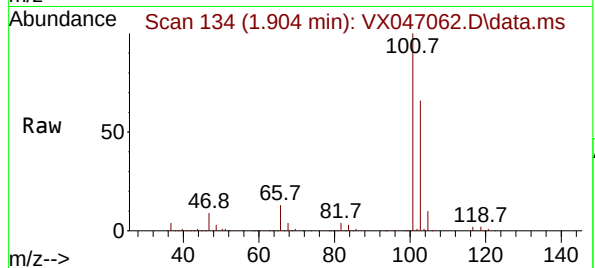
Tgt Ion: 64 Resp: 146679
Ion Ratio Lower Upper
64 100
66 33.3 25.0 37.6





#7
Trichlorofluoromethane
Concen: 47.552 ug/l
RT: 1.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

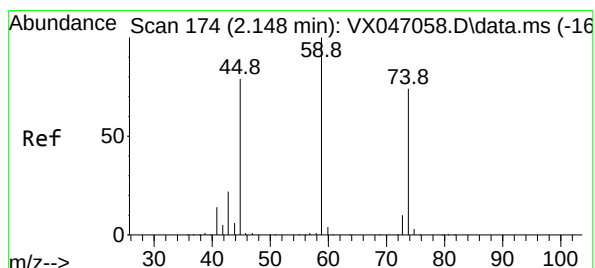
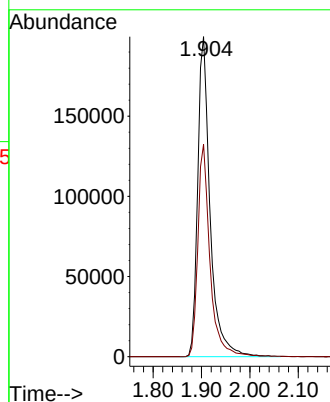
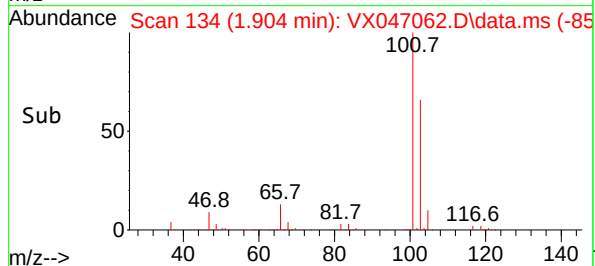
Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125



Tgt Ion:101 Resp: 354440
Ion Ratio Lower Upper
101 100
103 66.4 50.9 76.3

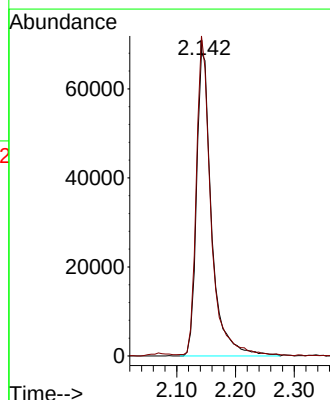
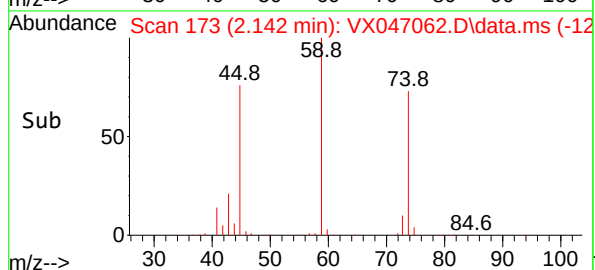
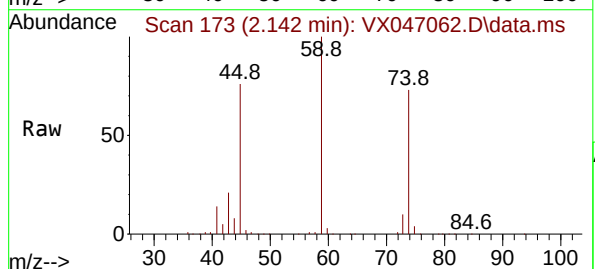
Manual Integrations
APPROVED

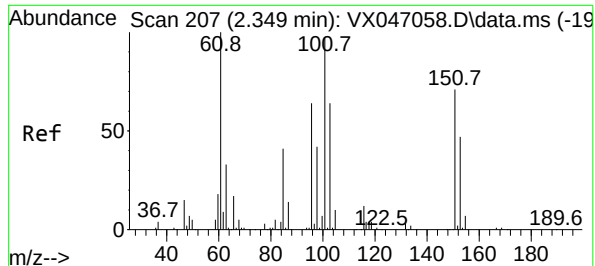
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#8
Diethyl Ether
Concen: 46.477 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

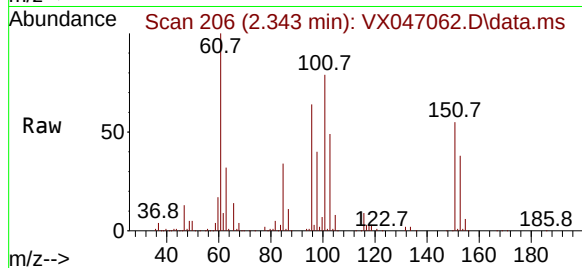
Tgt Ion: 74 Resp: 122150
Ion Ratio Lower Upper
74 100
45 101.7 53.0 159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.104 ug/l
RT: 2.343 min Scan# 206
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

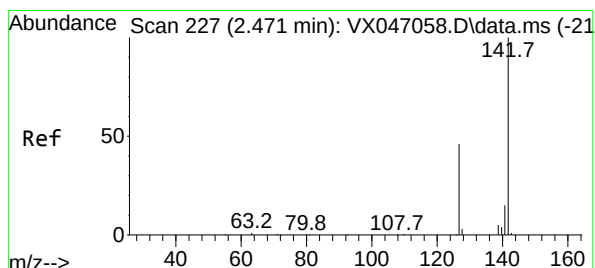
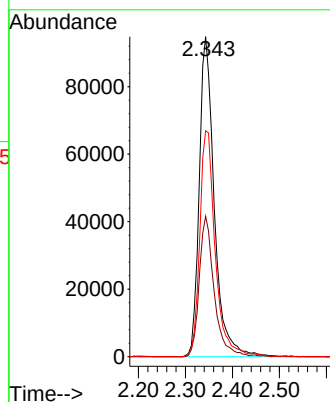
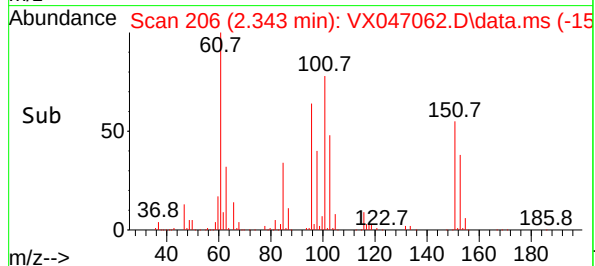
Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125



Tgt Ion:101 Resp: 211530
Ion Ratio Lower Upper
101 100
85 43.7 35.4 53.0
151 72.8 59.2 88.8

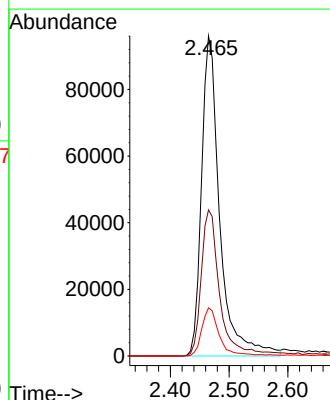
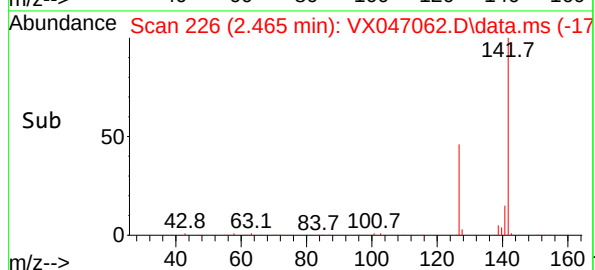
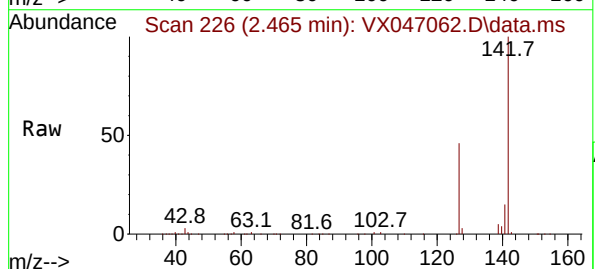
Manual Integrations
APPROVED

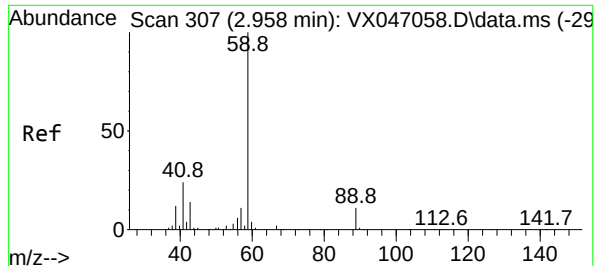
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#10
Methyl Iodide
Concen: 45.047 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:142 Resp: 206176
Ion Ratio Lower Upper
142 100
127 47.4 36.6 54.8
141 14.6 10.9 16.3





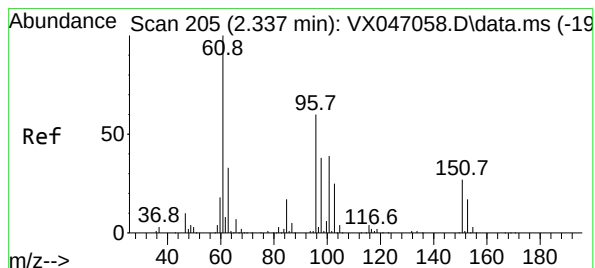
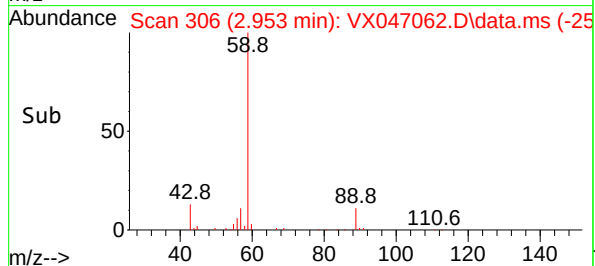
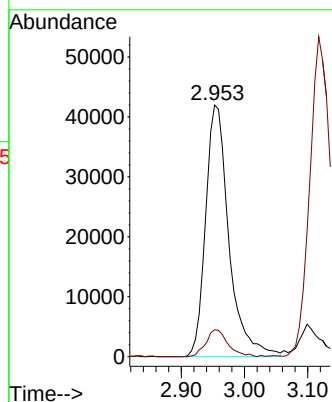
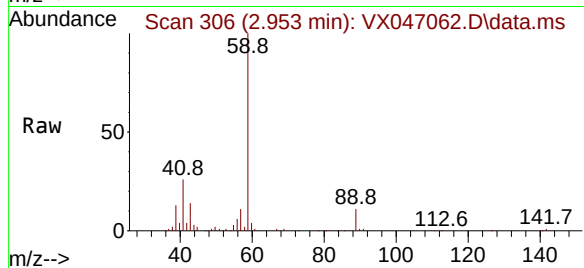
#11
Tert butyl alcohol
Concen: 207.194 ug/l
RT: 2.953 min Scan# 307
Delta R.T. -0.005 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVX072125

Tgt Ion: 59 Resp: 107694
Ion Ratio Lower Upper
59 100
57 10.1 8.5 12.7

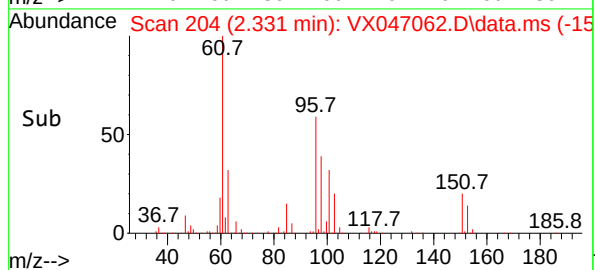
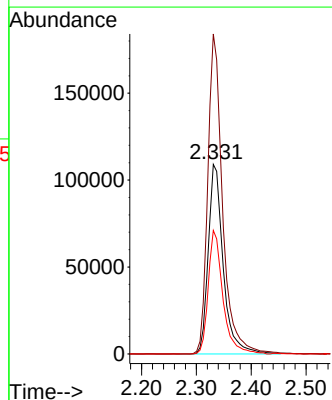
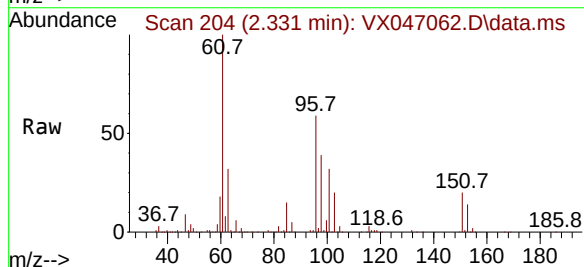
Manual Integrations
APPROVED

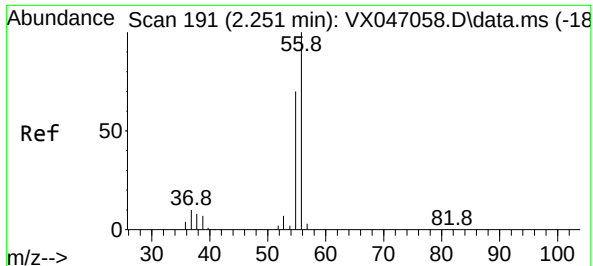
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#12
1,1-Dichloroethene
Concen: 46.555 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

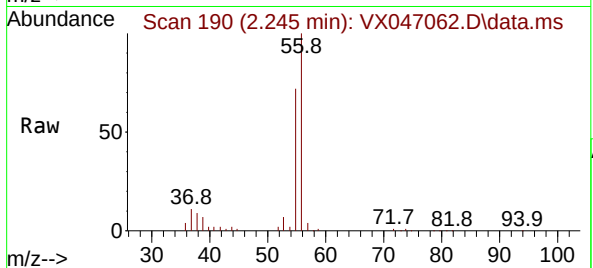
Tgt Ion: 96 Resp: 207074
Ion Ratio Lower Upper
96 100
61 168.8 132.6 198.8
98 65.2 50.2 75.4





#13
Acrolein
Concen: 208.477 ug/l
RT: 2.245 min Scan# 191
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

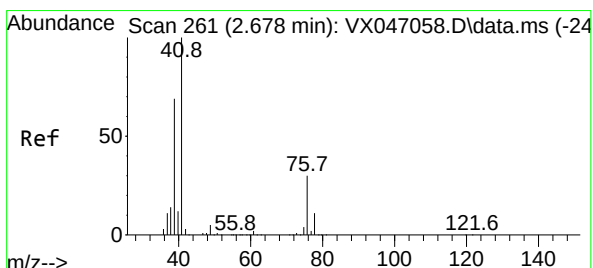
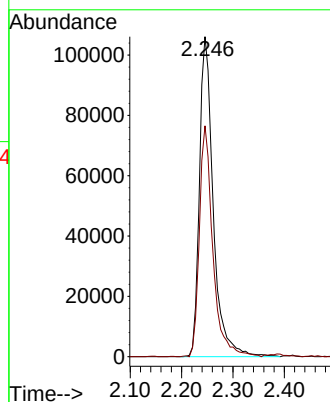
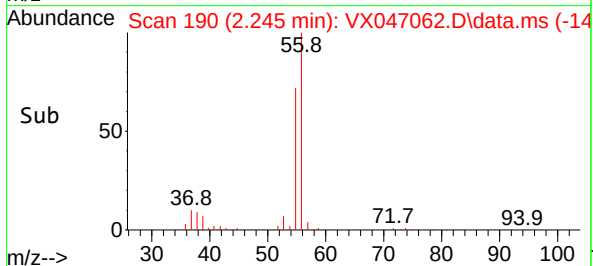
Instrument :
MSVOA_X
ClientSampleId :
ICVX072125



Tgt Ion: 56 Resp: 197909
Ion Ratio Lower Upper
56 100
55 70.5 55.7 83.5

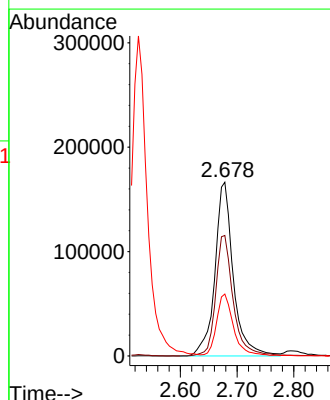
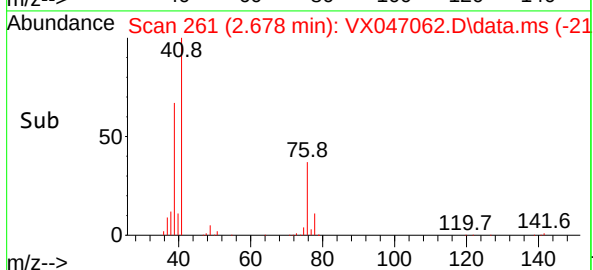
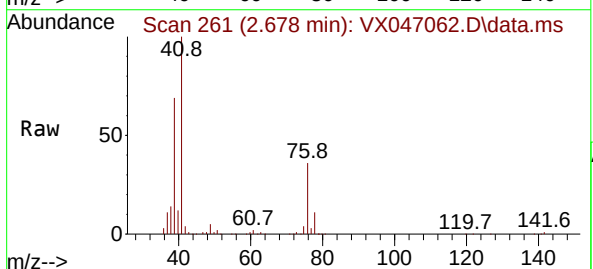
Manual Integrations
APPROVED

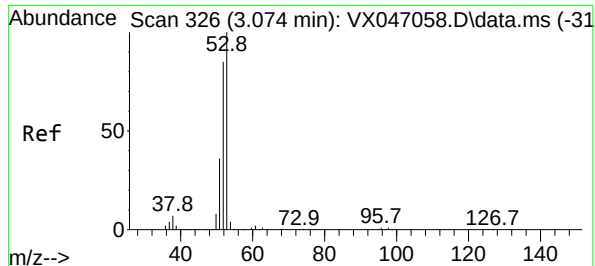
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#14
Allyl chloride
Concen: 46.743 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 41 Resp: 375824
Ion Ratio Lower Upper
41 100
39 66.4 52.6 78.8
76 32.7 25.7 38.5





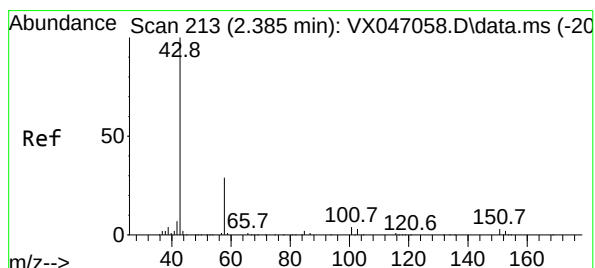
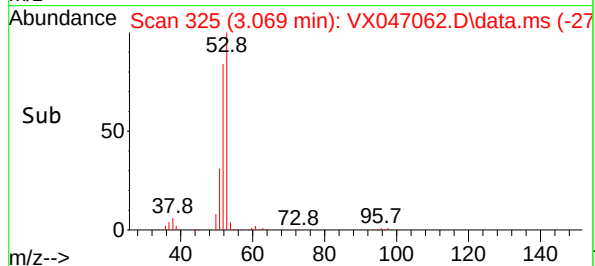
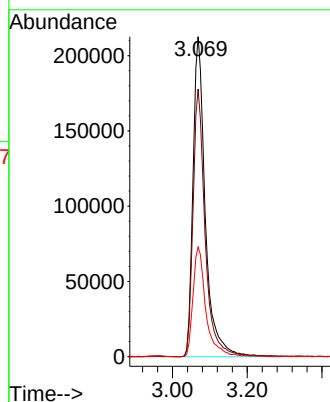
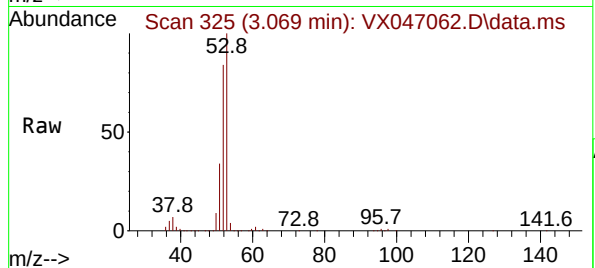
#15
Acrylonitrile
Concen: 230.845 ug/l
RT: 3.069 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVX072125

Tgt Ion: 53 Resp: 48540
Ion Ratio Lower Upper
53 100
52 82.3 65.7 98.5
51 36.0 28.8 43.2

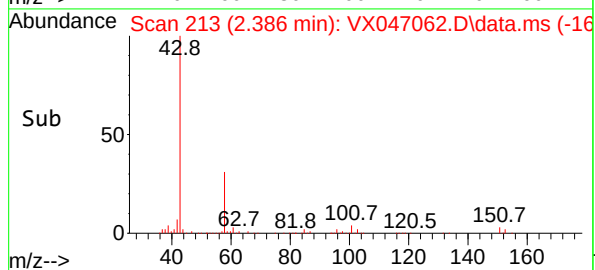
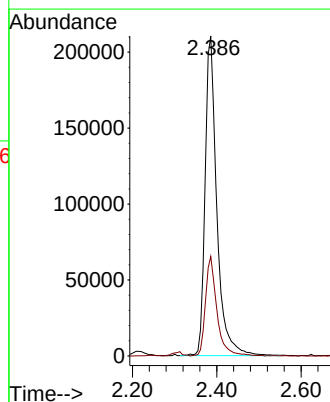
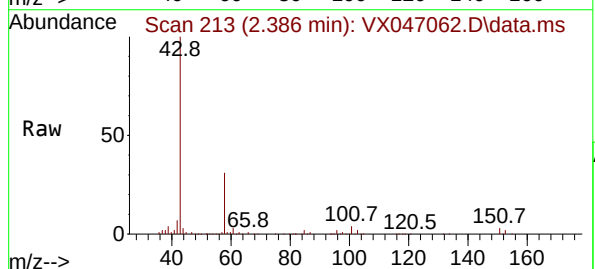
Manual Integrations
APPROVED

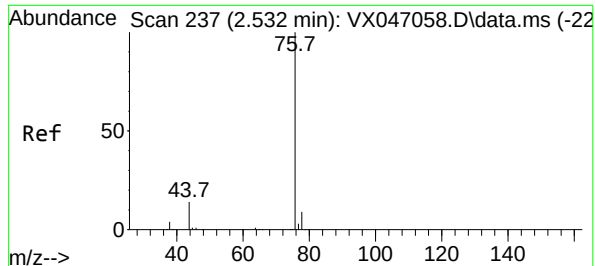
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#16
Acetone
Concen: 230.823 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 43 Resp: 407681
Ion Ratio Lower Upper
43 100
58 32.5 24.0 36.0





#17

Carbon Disulfide

Concen: 45.742 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion: 76 Resp: 588590

Ion Ratio Lower Upper

76 100

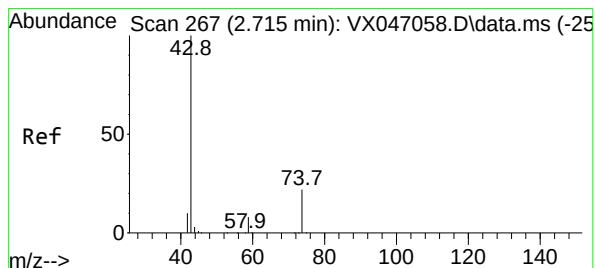
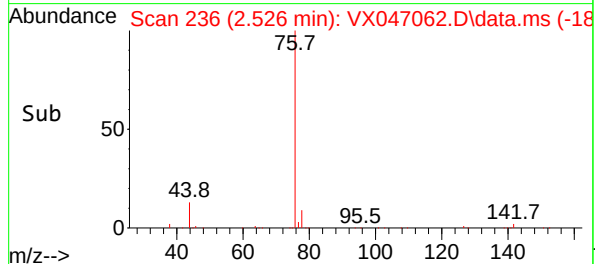
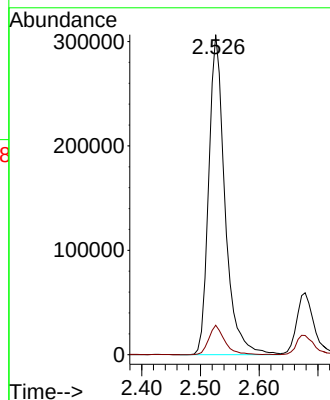
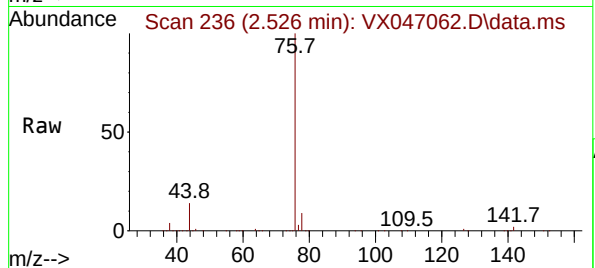
78 9.2 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#18

Methyl Acetate

Concen: 44.045 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.006 min

Lab File: VX047062.D

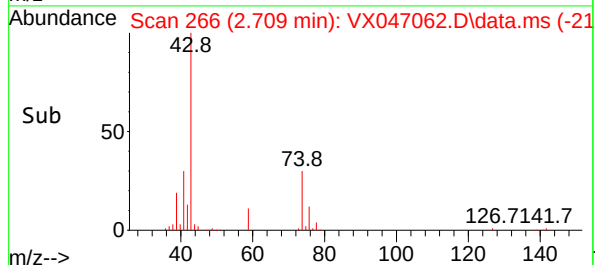
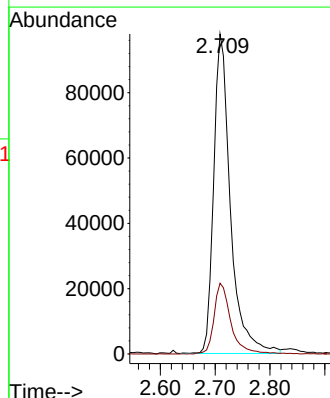
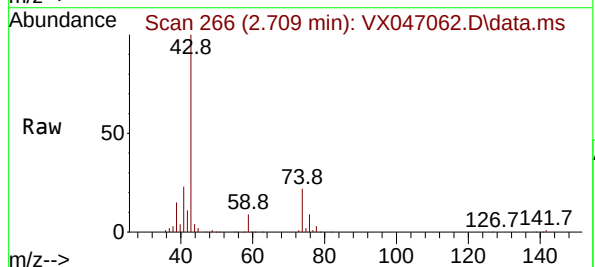
Acq: 21 Jul 2025 13:17

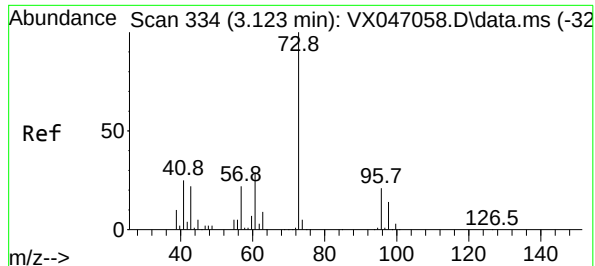
Tgt Ion: 43 Resp: 206733

Ion Ratio Lower Upper

43 100

74 22.4 17.7 26.5





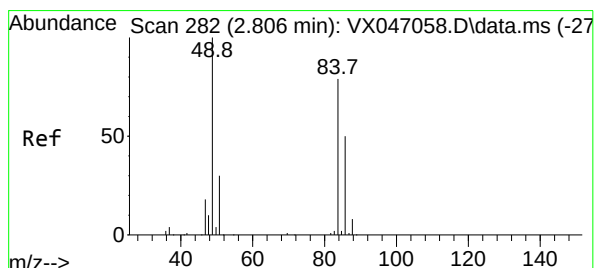
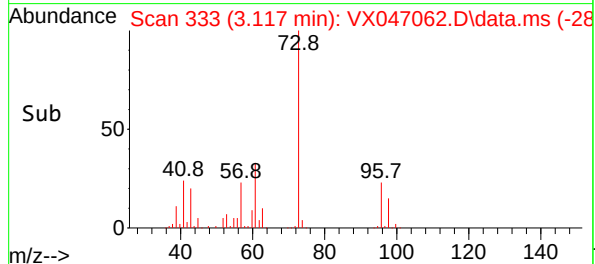
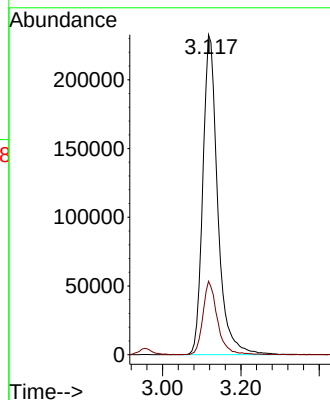
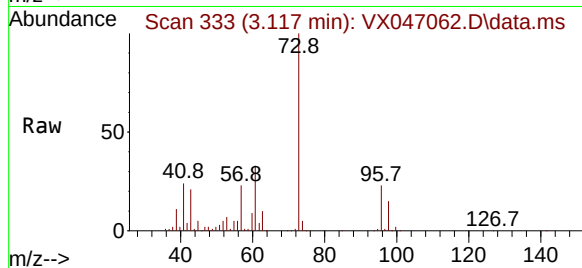
#19
Methyl tert-butyl Ether
Concen: 45.291 ug/l
RT: 3.117 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 73 Resp: 61309
Ion Ratio Lower Upper
73 100
57 22.9 17.7 26.5

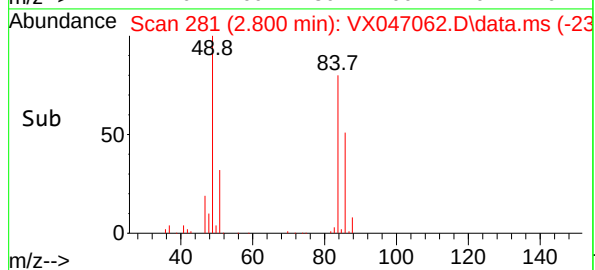
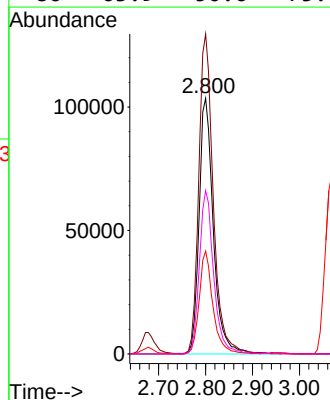
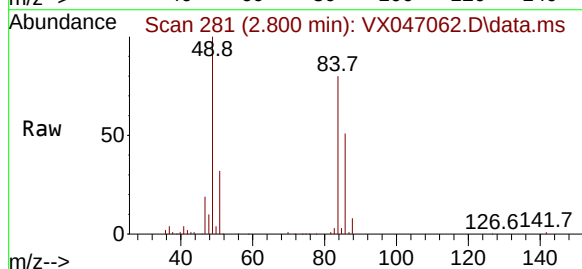
Manual Integrations
APPROVED

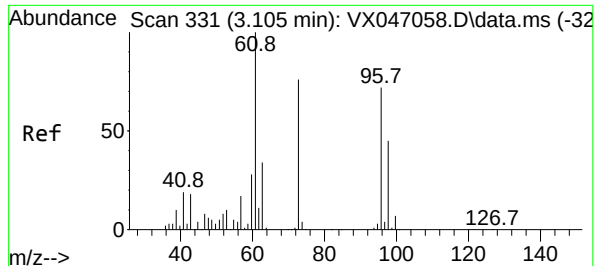
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#20
Methylene Chloride
Concen: 45.041 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

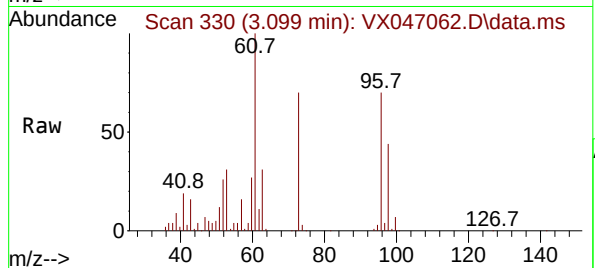
Tgt Ion: 84 Resp: 218853
Ion Ratio Lower Upper
84 100
49 124.9 101.6 152.4
51 40.2 30.3 45.5
86 63.9 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 46.188 ug/l
RT: 3.099 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

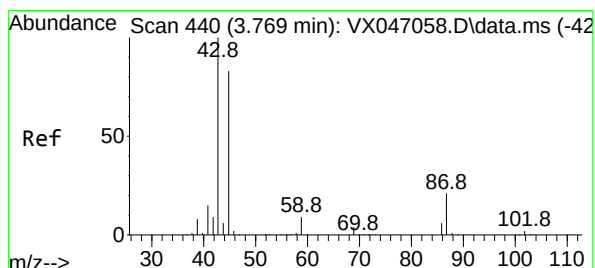
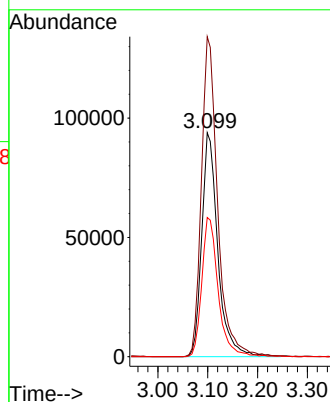
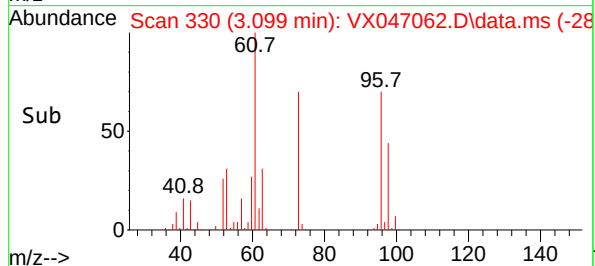
Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125



Tgt Ion: 96 Resp: 210229
Ion Ratio Lower Upper
96 100
61 142.8 111.1 166.7
98 62.1 49.6 74.4

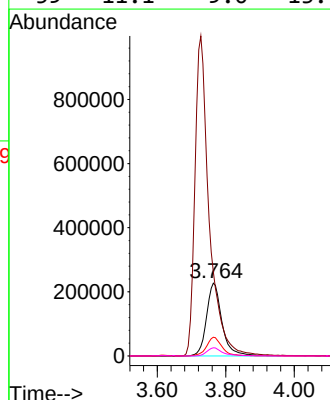
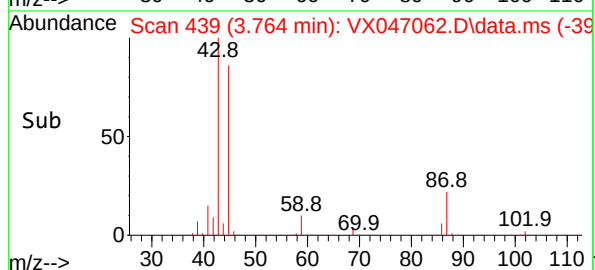
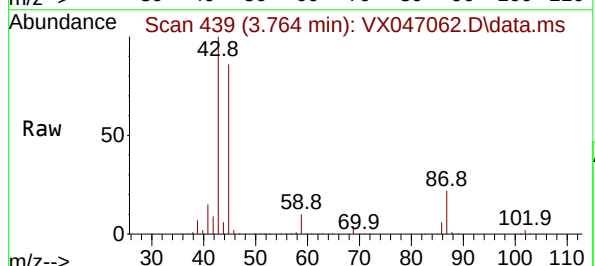
Manual Integrations
APPROVED

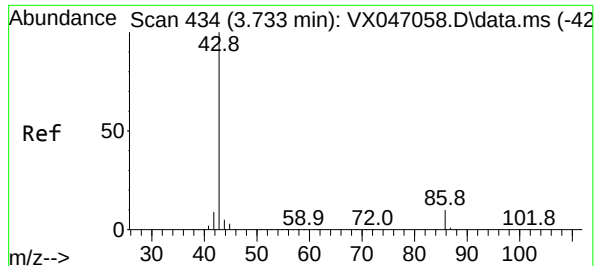
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#22
Diisopropyl ether
Concen: 46.119 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 45 Resp: 712919
Ion Ratio Lower Upper
45 100
43 115.6 96.8 145.2
87 25.8 20.5 30.7
59 11.1 9.0 13.4





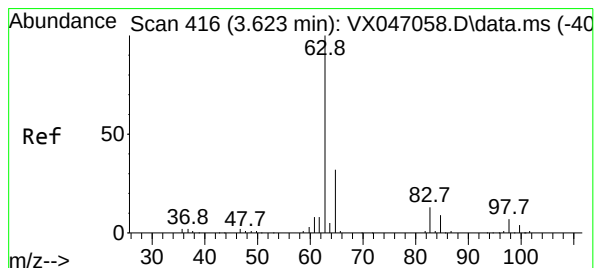
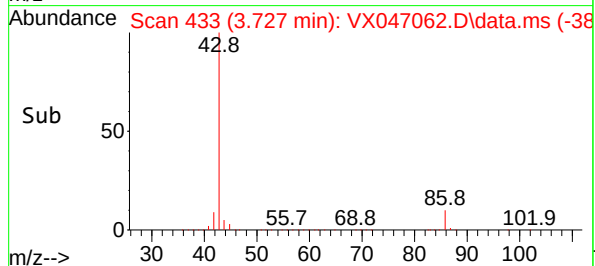
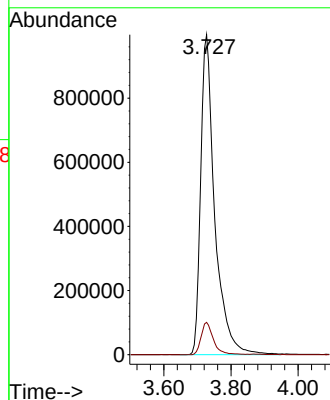
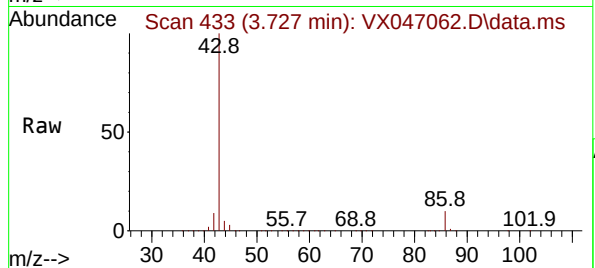
#23
Vinyl Acetate
Concen: 233.940 ug/l
RT: 3.727 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 43 Resp: 290048
Ion Ratio Lower Upper
43 100
86 10.1 8.1 12.1

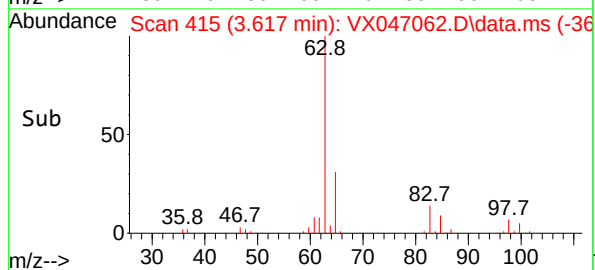
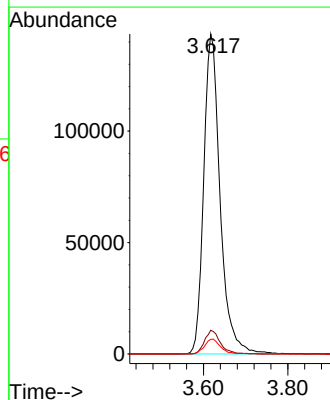
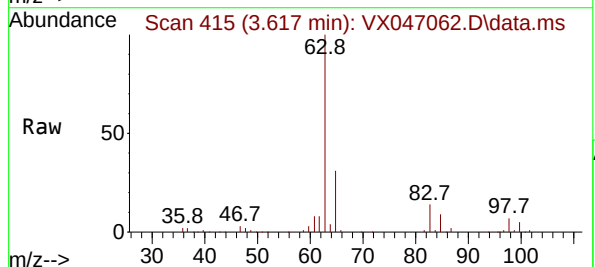
Manual Integrations
APPROVED

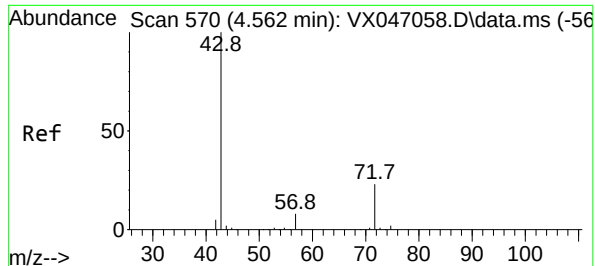
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#24
1,1-Dichloroethane
Concen: 45.165 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

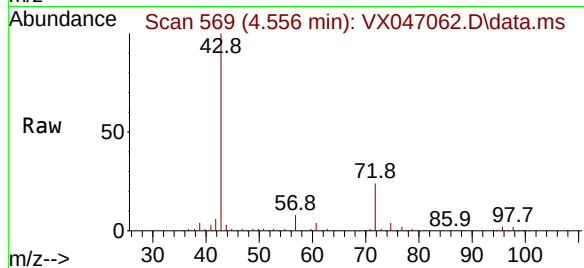
Tgt Ion: 63 Resp: 388232
Ion Ratio Lower Upper
63 100
98 7.4 3.6 10.8
100 4.5 2.3 6.8





#25
2-Butanone
Concen: 218.892 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

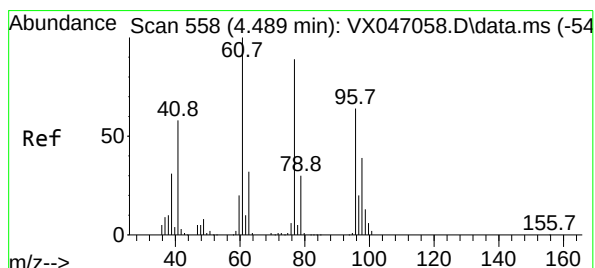
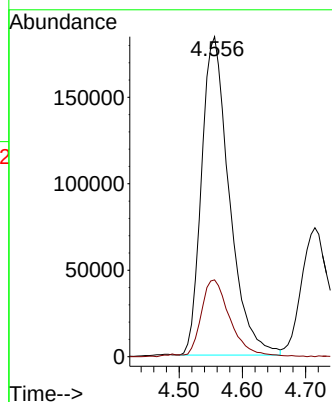
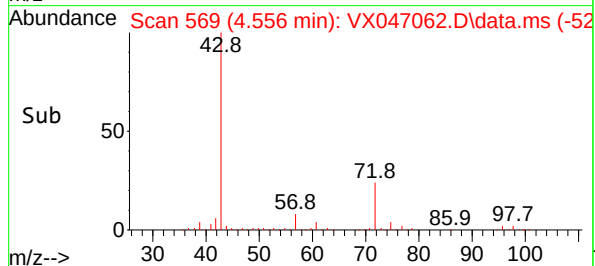
Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125



Tgt Ion: 43 Resp: 562934
Ion Ratio Lower Upper
43 100
72 23.7 18.8 28.2

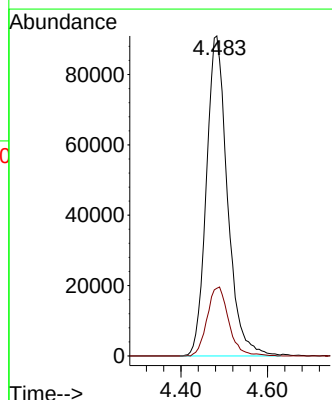
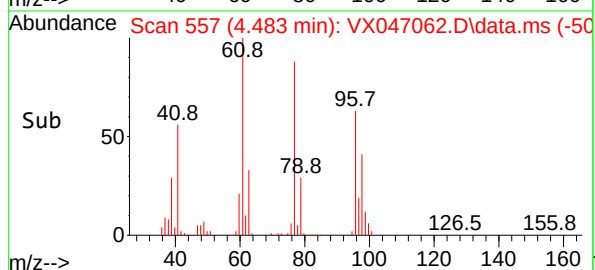
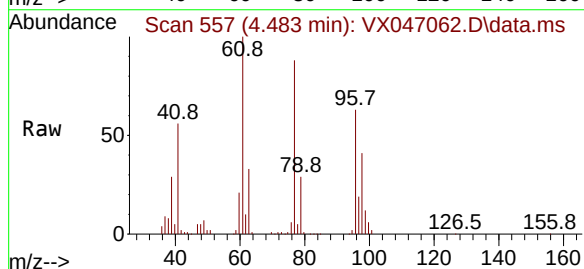
Manual Integrations
APPROVED

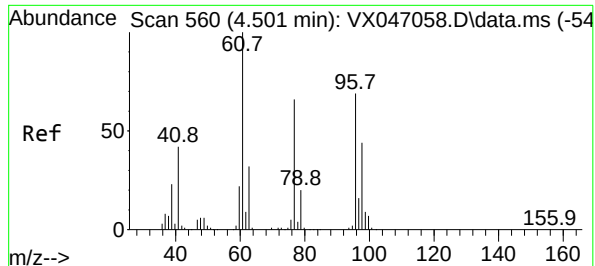
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#26
2,2-Dichloropropane
Concen: 46.290 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

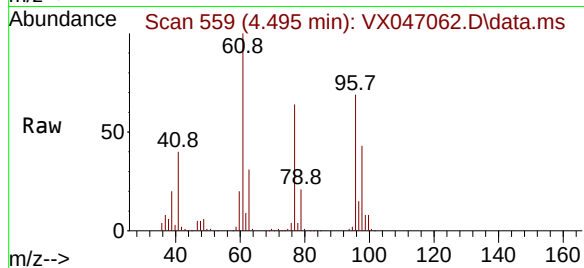
Tgt Ion: 77 Resp: 308018
Ion Ratio Lower Upper
77 100
97 22.0 11.4 34.1





#27
cis-1,2-Dichloroethene
Concen: 44.906 ug/l
RT: 4.495 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

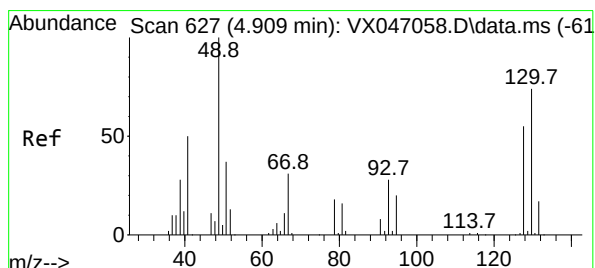
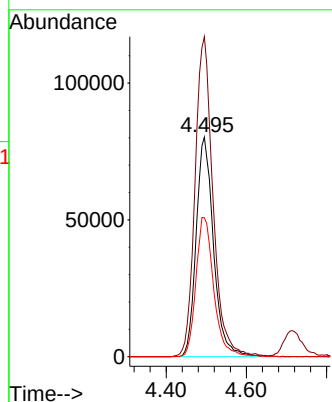
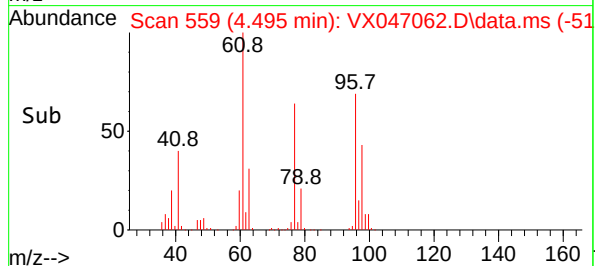
Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125



Tgt Ion: 96 Resp: 242030
Ion Ratio Lower Upper
96 100
61 150.3 0.0 298.6
98 64.8 0.0 128.8

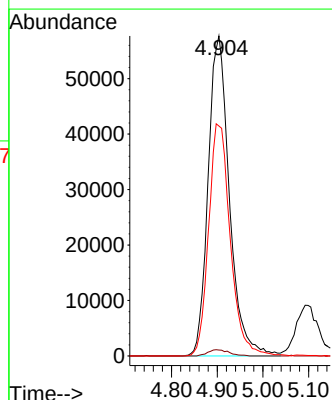
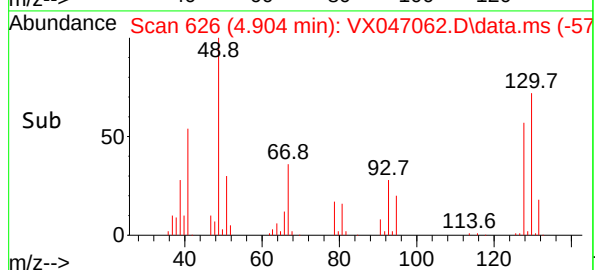
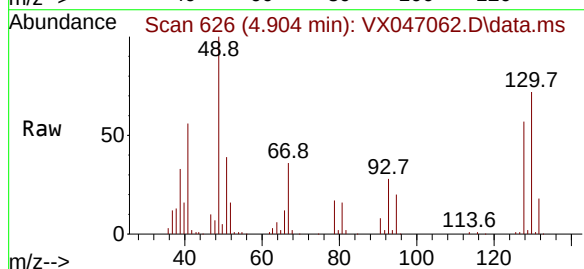
Manual Integrations
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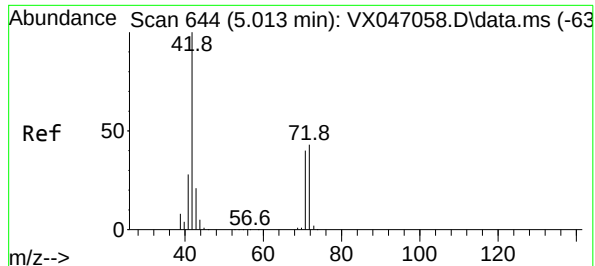
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#28
Bromochloromethane
Concen: 47.168 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 49 Resp: 186533
Ion Ratio Lower Upper
49 100
129 1.9 0.0 3.8
130 73.9 59.0 88.4





#29

Tetrahydrofuran

Concen: 217.460 ug/l

RT: 5.001 min Scan# 64

Delta R.T. -0.012 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion: 42 Resp: 36083

Ion Ratio Lower Upper

42 100

72 43.1 33.7 50.5

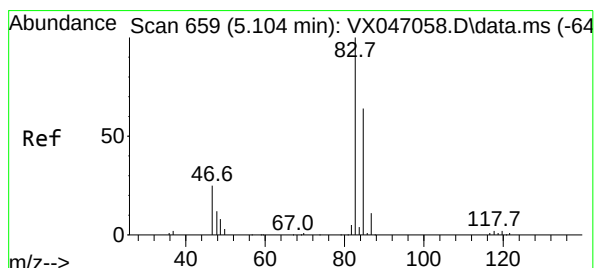
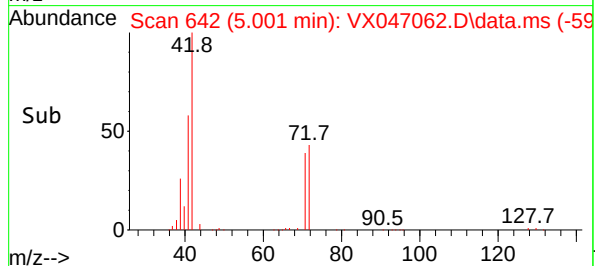
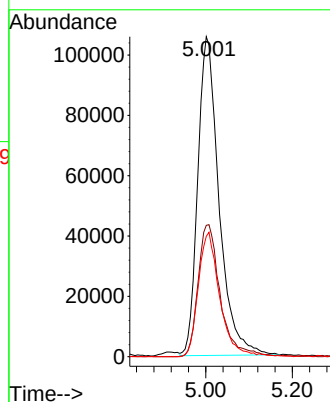
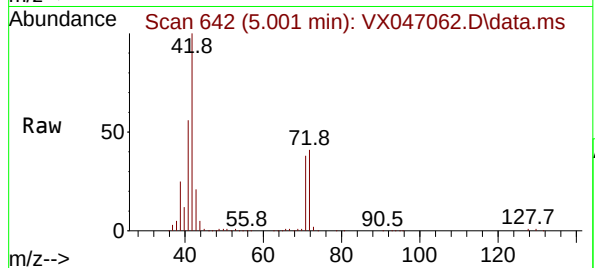
71 39.5 31.0 46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#30

Chloroform

Concen: 43.731 ug/l

RT: 5.093 min Scan# 657

Delta R.T. -0.012 min

Lab File: VX047062.D

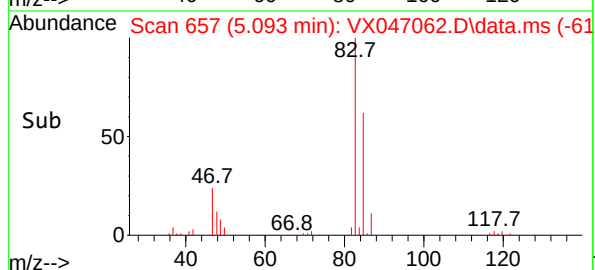
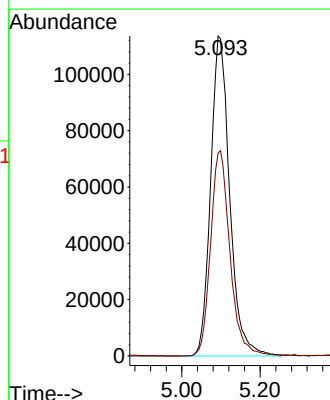
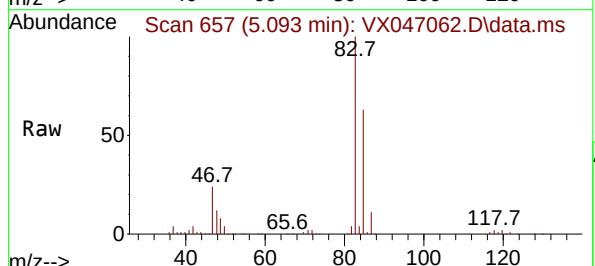
Acq: 21 Jul 2025 13:17

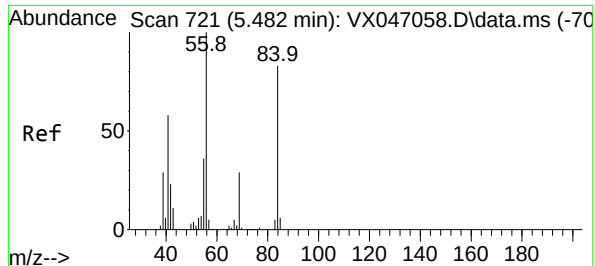
Tgt Ion: 83 Resp: 382651

Ion Ratio Lower Upper

83 100

85 63.4 50.9 76.3





#31

Cyclohexane

Concen: 43.618 ug/l

RT: 5.477 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX047062.D

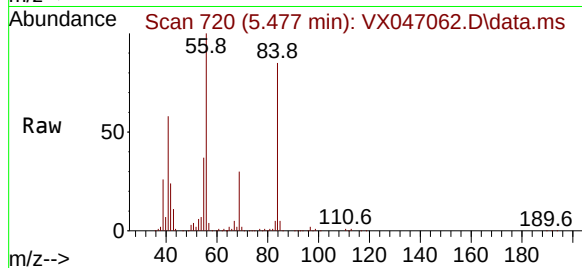
Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125



Tgt Ion: 56 Resp: 359502

Ion Ratio Lower Upper

56 100

69 30.2 23.3 34.9

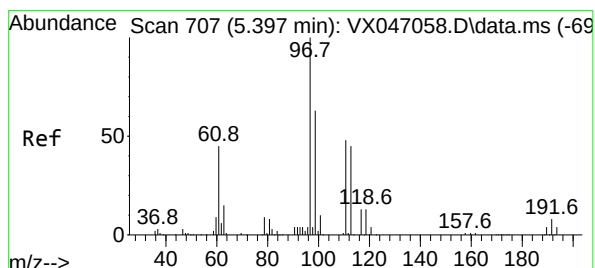
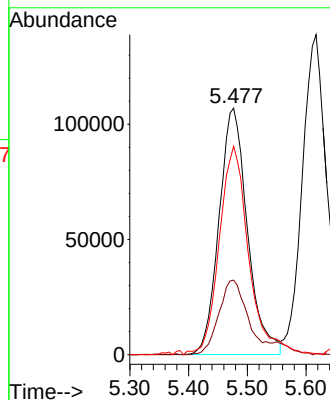
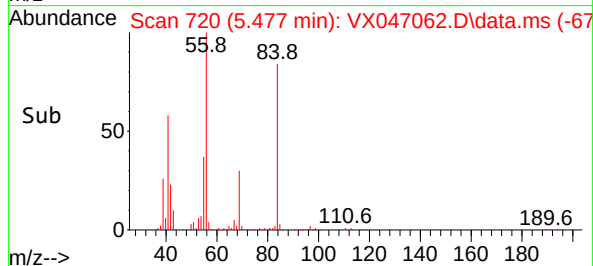
84 82.9 66.5 99.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#32

1,1,1-Trichloroethane

Concen: 44.331 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.012 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

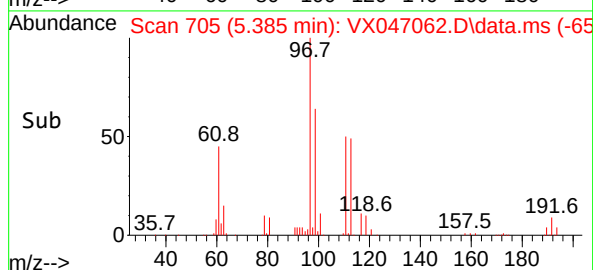
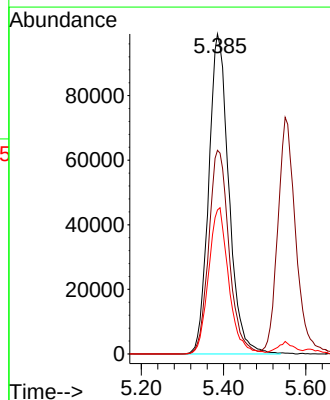
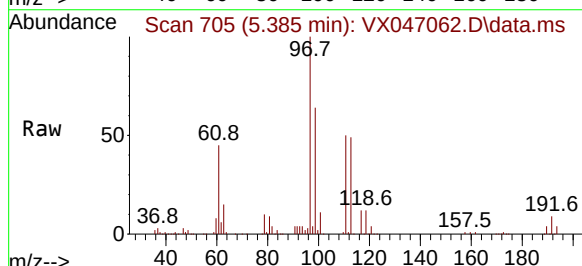
Tgt Ion: 97 Resp: 336918

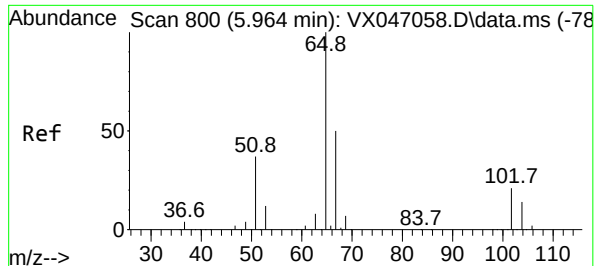
Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

61 45.8 37.1 55.7





#33

1,2-Dichloroethane-d4

Concen: 40.022 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion: 65 Resp: 17645

Ion Ratio Lower Upper

65 100

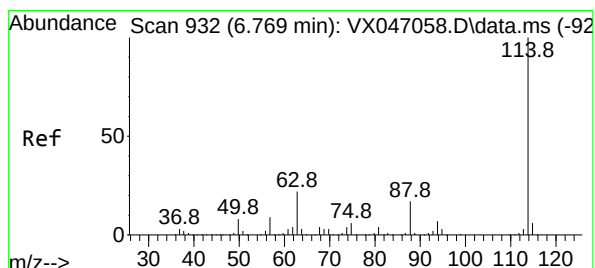
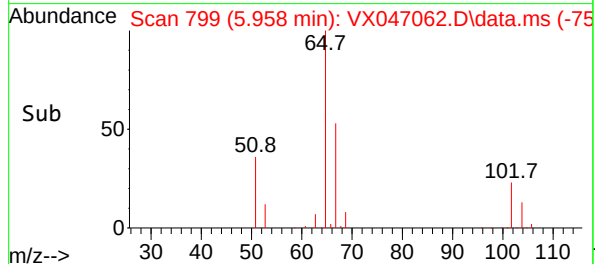
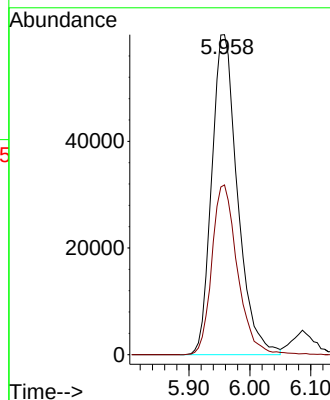
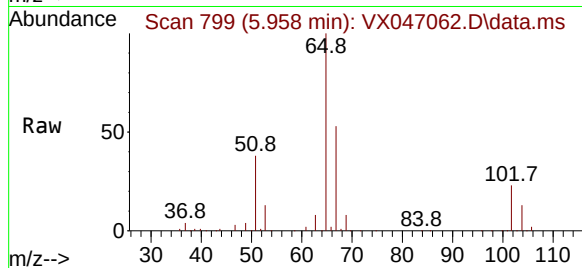
67 52.8 0.0 104.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

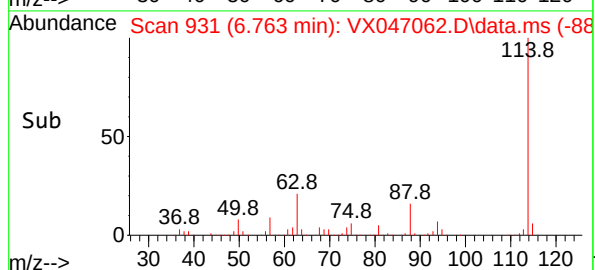
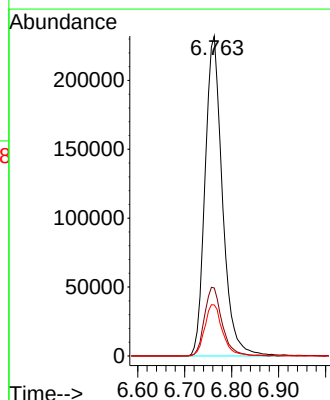
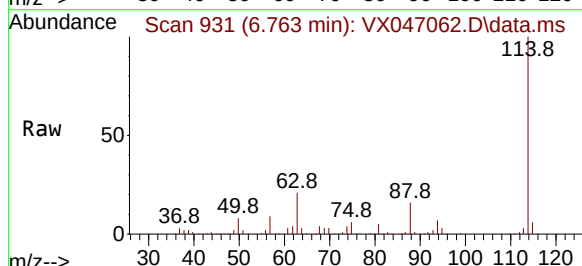
Tgt Ion:114 Resp: 594788

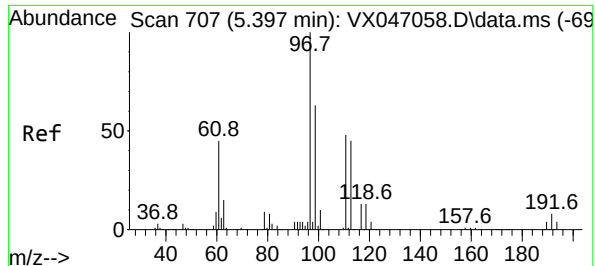
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

88 15.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 42.247 ug/l

RT: 5.385 min Scan# 707

Delta R.T. -0.012 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion:113 Resp: 155150

Ion Ratio Lower Upper

113 100

111 103.6 82.6 124.0

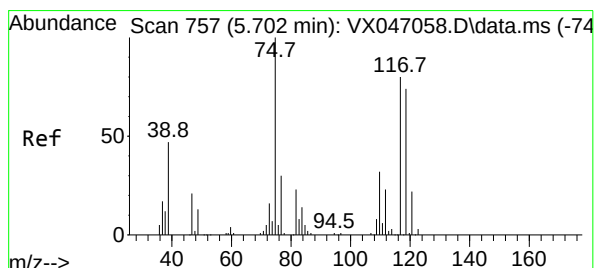
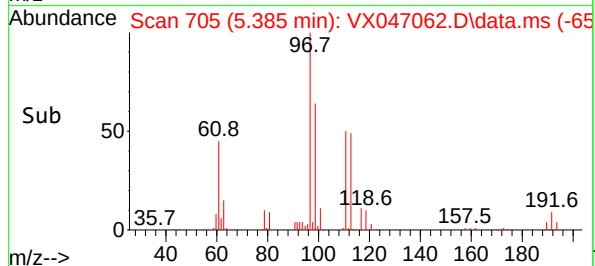
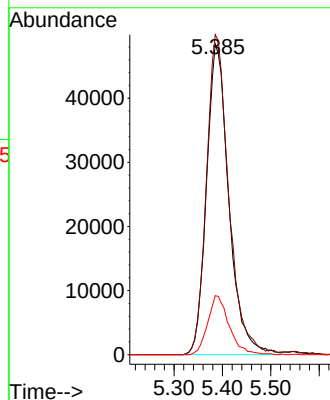
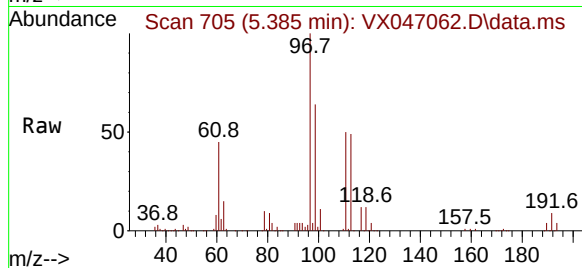
192 18.3 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#36

1,1-Dichloropropene

Concen: 43.463 ug/l

RT: 5.696 min Scan# 756

Delta R.T. -0.006 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

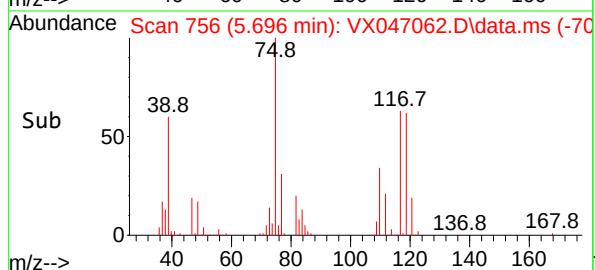
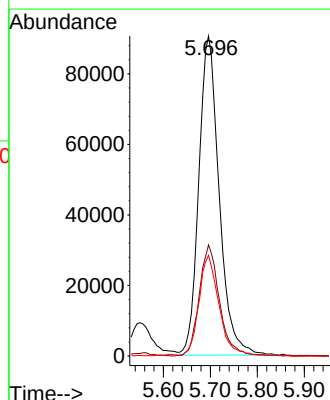
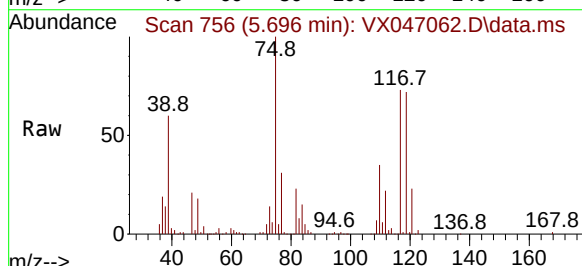
Tgt Ion: 75 Resp: 272074

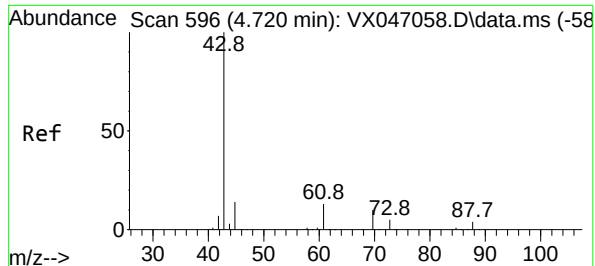
Ion Ratio Lower Upper

75 100

110 34.6 17.2 51.5

77 30.6 25.1 37.7





#37

Ethyl Acetate

Concen: 42.381 ug/l

RT: 4.715 min Scan# 596

Delta R.T. -0.006 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion: 43 Resp: 244468

Ion Ratio Lower Upper

43 100

61 12.4 10.2 15.2

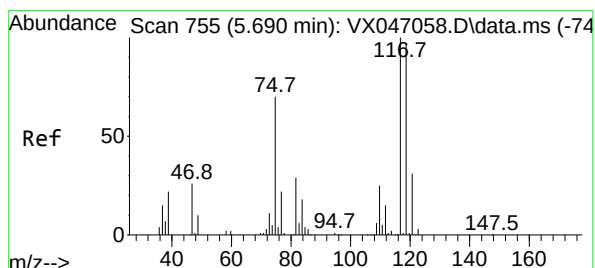
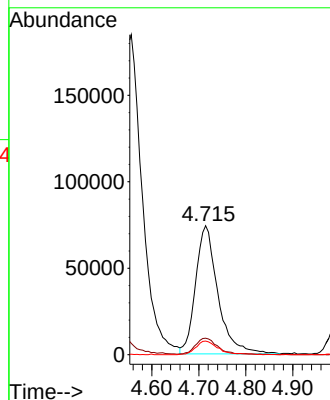
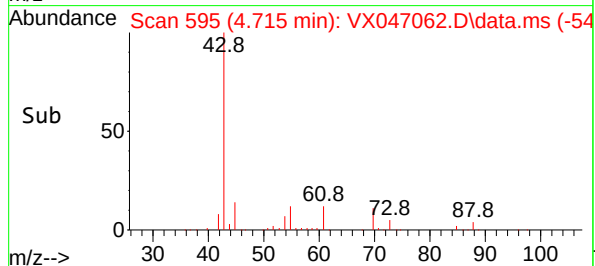
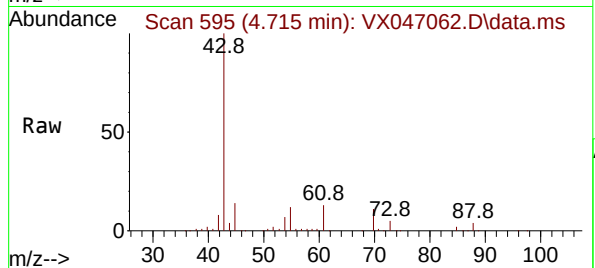
70 10.7 8.1 12.1

Manual Integrations

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Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#38

Carbon Tetrachloride

Concen: 44.259 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.012 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

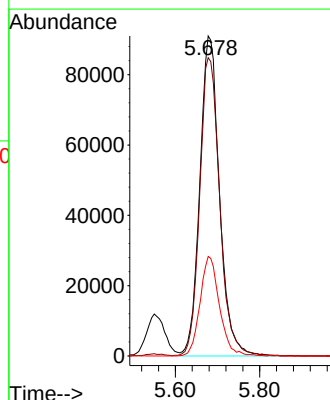
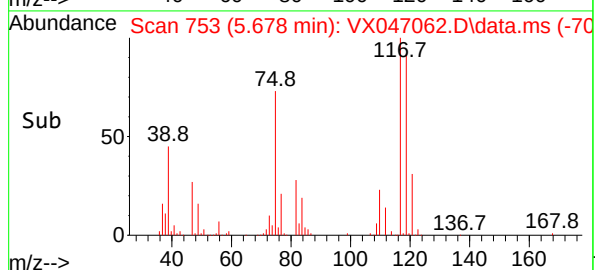
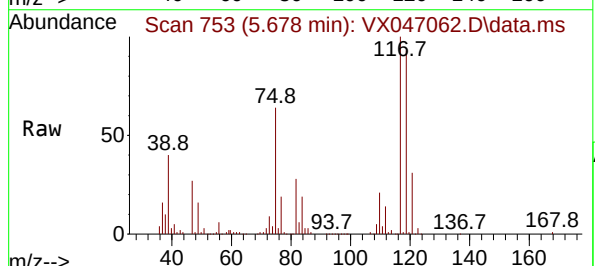
Tgt Ion:117 Resp: 295708

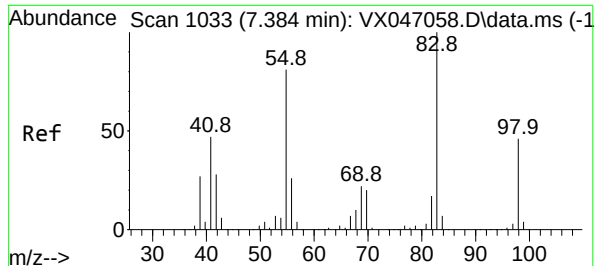
Ion Ratio Lower Upper

117 100

119 93.1 76.6 115.0

121 31.1 24.4 36.6





#39

Methylcyclohexane

Concen: 44.136 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion: 83 Resp: 344962

Ion Ratio Lower Upper

83 100

55 80.7 64.5 96.7

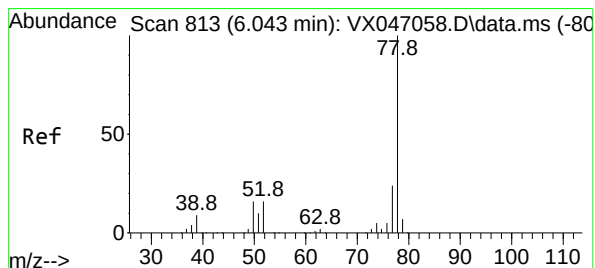
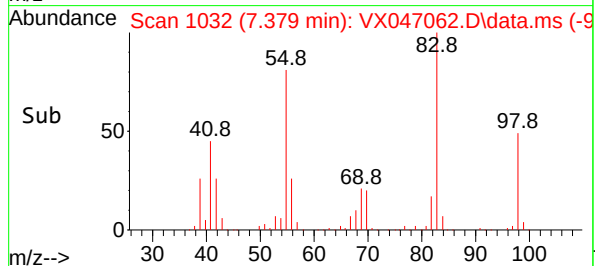
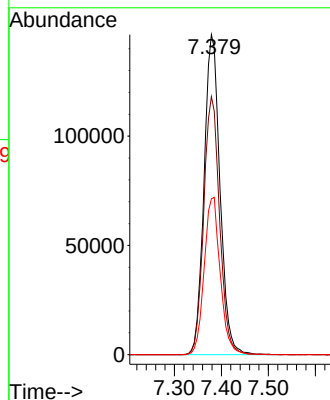
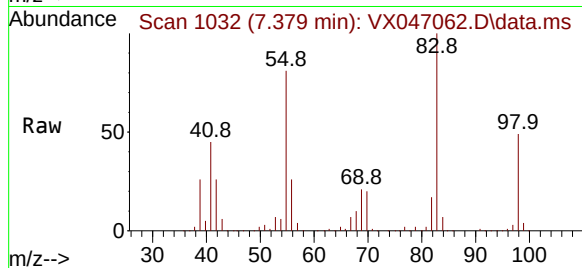
98 48.7 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#40

Benzene

Concen: 44.304 ug/l

RT: 6.038 min Scan# 812

Delta R.T. -0.006 min

Lab File: VX047062.D

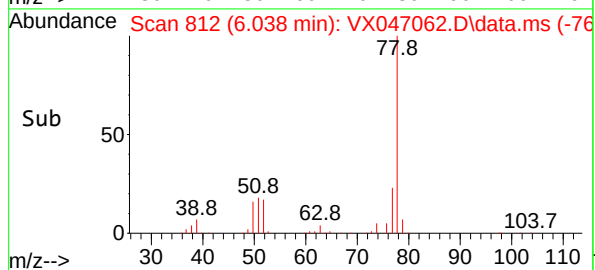
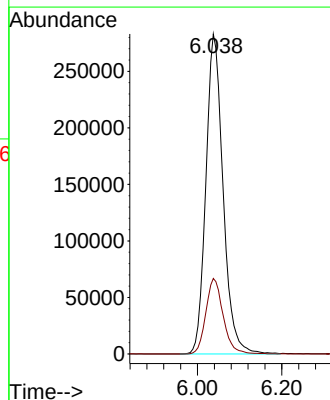
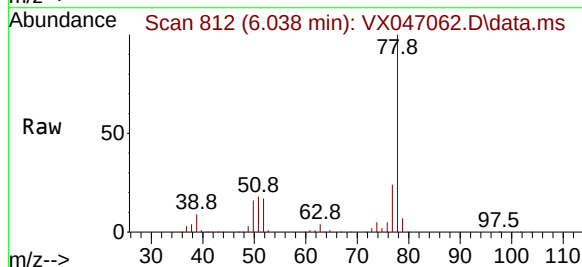
Acq: 21 Jul 2025 13:17

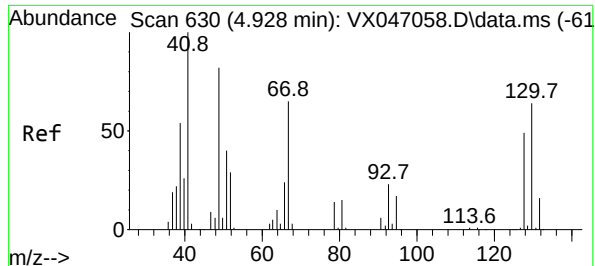
Tgt Ion: 78 Resp: 802625

Ion Ratio Lower Upper

78 100

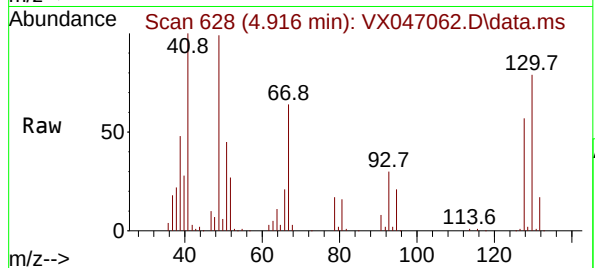
77 23.6 19.0 28.4





#41
Methacrylonitrile
Concen: 45.816 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

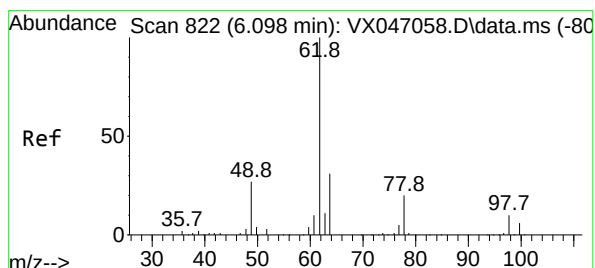
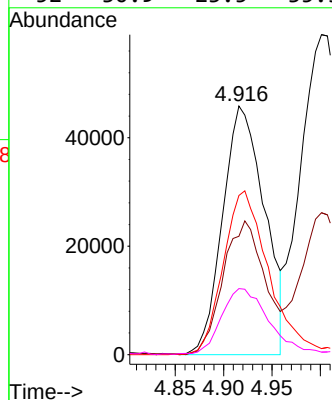
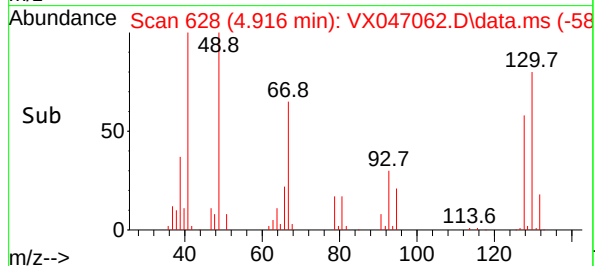
Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125



Tgt Ion: 41 Resp: 13818
Ion Ratio Lower Upper
41 100
39 53.7 44.2 66.2
67 73.0 56.4 84.6
52 30.9 23.5 35.3

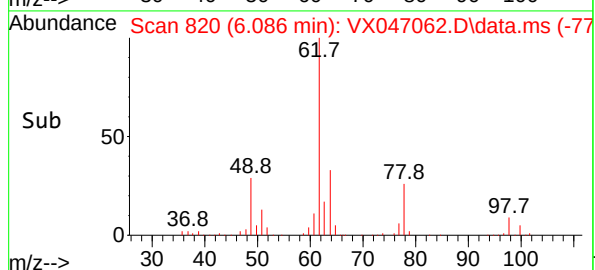
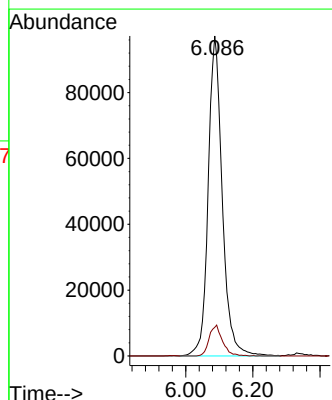
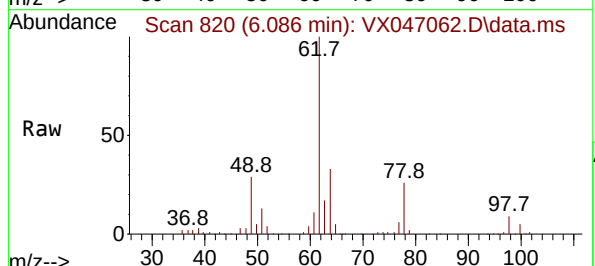
Manual Integrations
APPROVED

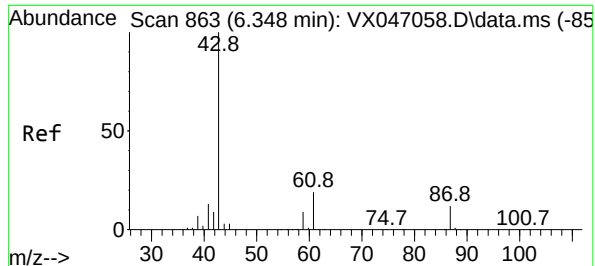
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#42
1,2-Dichloroethane
Concen: 44.378 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 62 Resp: 283205
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.8





#43

Isopropyl Acetate

Concen: 45.564 ug/l

RT: 6.336 min Scan# 80

Delta R.T. -0.012 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion: 43 Resp: 40973

Ion Ratio Lower Upper

43 100

61 18.6 15.1 22.7

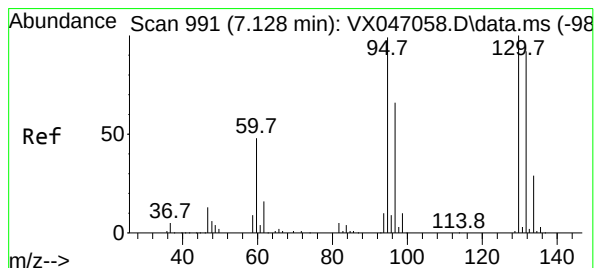
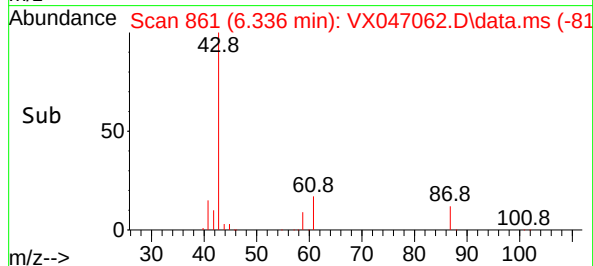
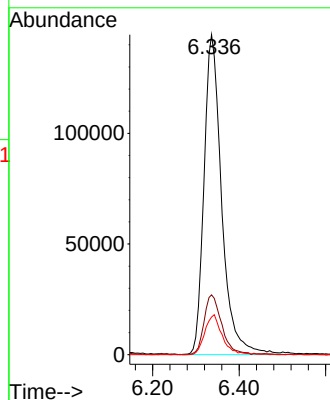
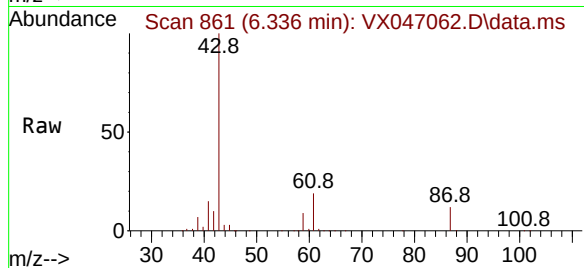
87 12.3 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#44

Trichloroethene

Concen: 43.658 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX047062.D

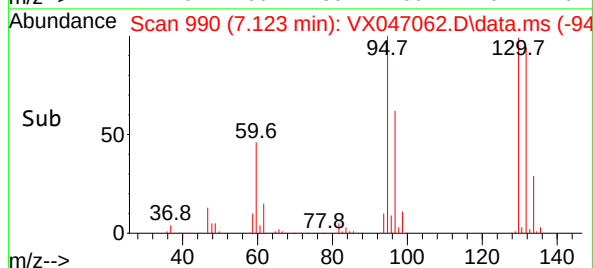
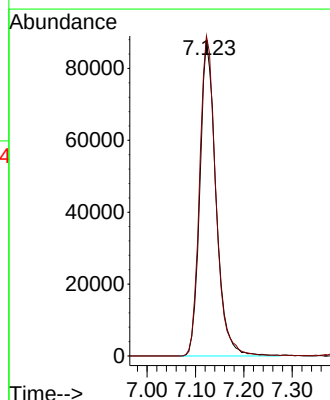
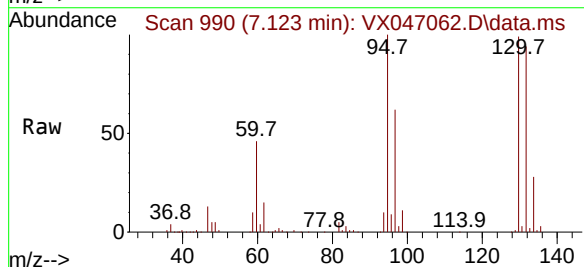
Acq: 21 Jul 2025 13:17

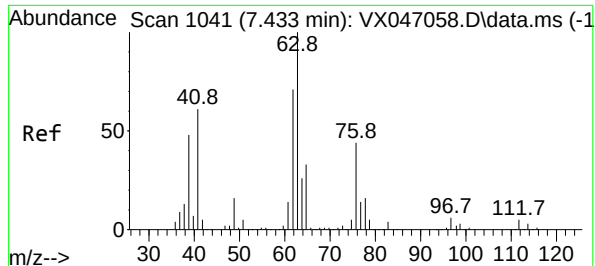
Tgt Ion:130 Resp: 202817

Ion Ratio Lower Upper

130 100

95 101.2 0.0 198.6





#45

1,2-Dichloropropane

Concen: 44.093 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion: 63 Resp: 20006

Ion Ratio Lower Upper

63 100

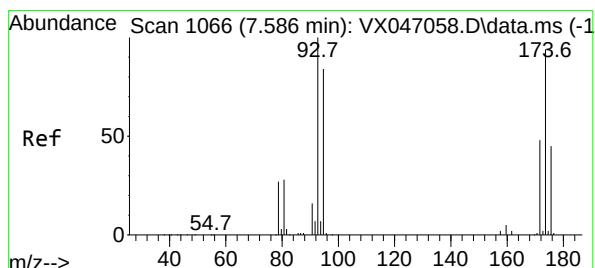
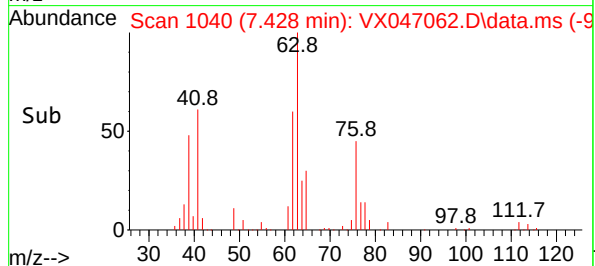
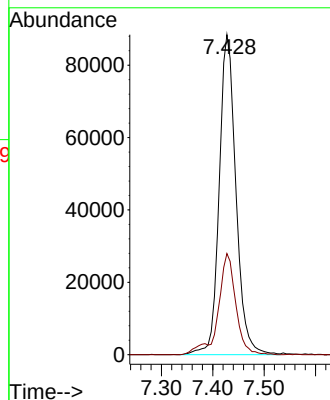
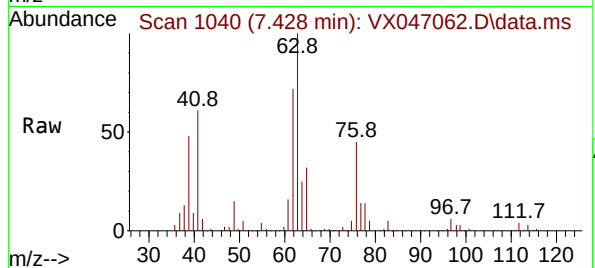
65 31.6 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#46

Dibromomethane

Concen: 45.121 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

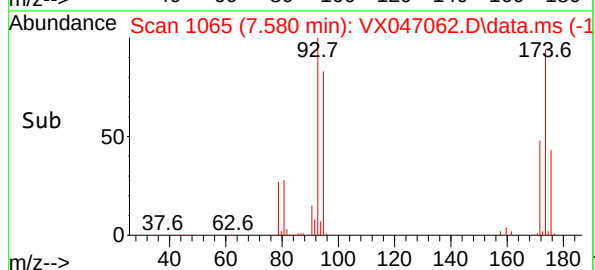
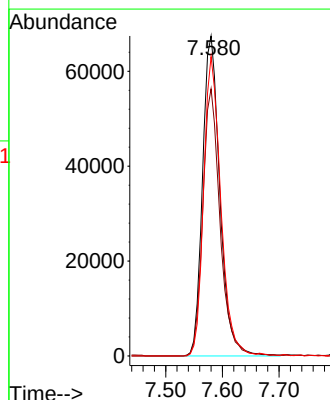
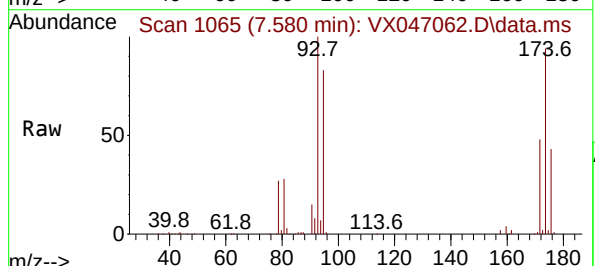
Tgt Ion: 93 Resp: 143569

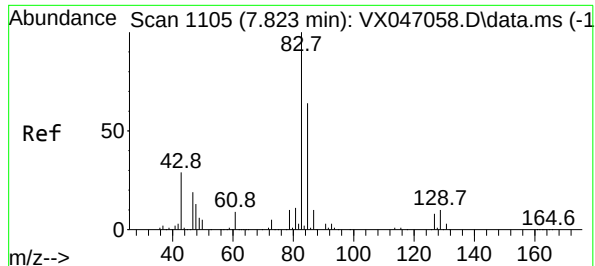
Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

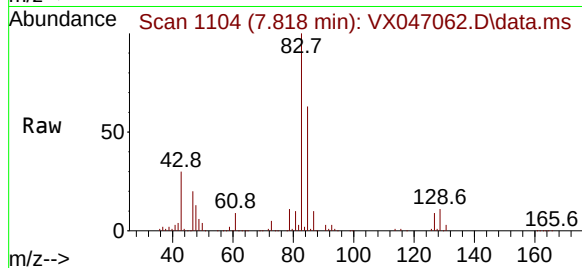
174 92.1 74.6 112.0





#47
Bromodichloromethane
Concen: 44.463 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

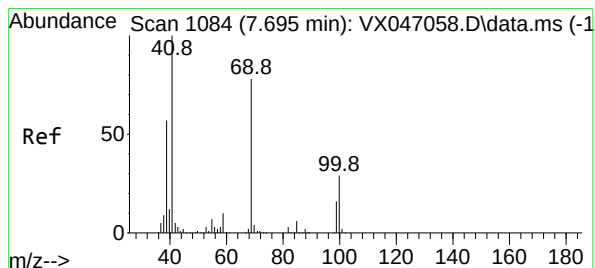
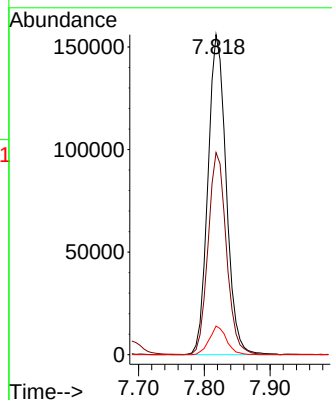
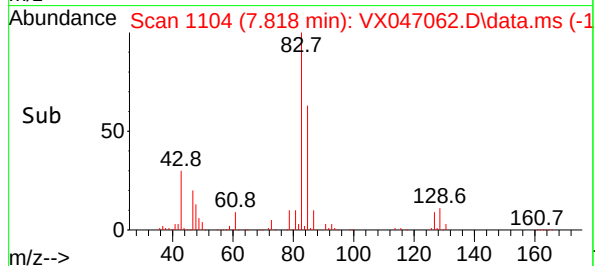
Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125



Tgt Ion: 83 Resp: 301133
Ion Ratio Lower Upper
83 100
85 63.2 49.9 74.9
127 8.9 6.6 10.0

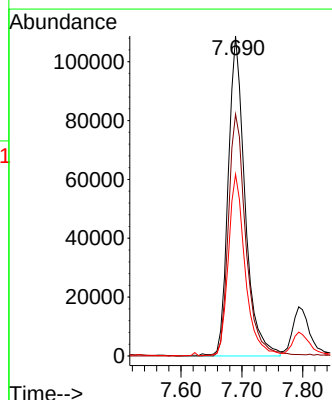
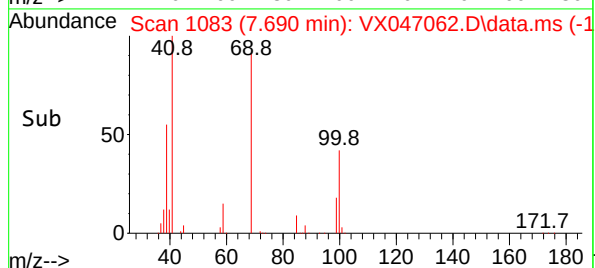
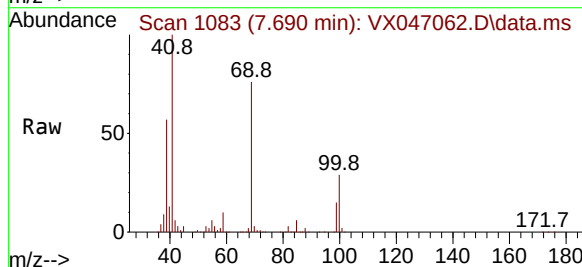
Manual Integrations
APPROVED

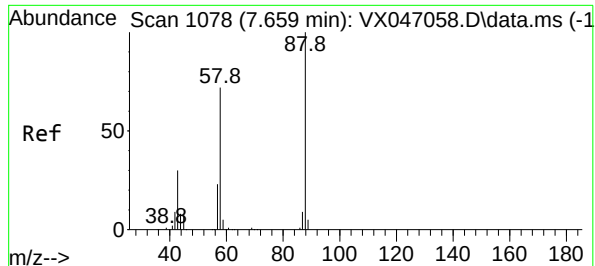
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#48
Methyl methacrylate
Concen: 42.505 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 41 Resp: 208228
Ion Ratio Lower Upper
41 100
69 78.4 62.3 93.5
39 56.5 44.8 67.2





#49

1,4-Dioxane

Concen: 916.760 ug/l m

RT: 7.653 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion: 88 Resp: 51080

Ion Ratio Lower Upper

88 100

43 40.2 33.6 50.4

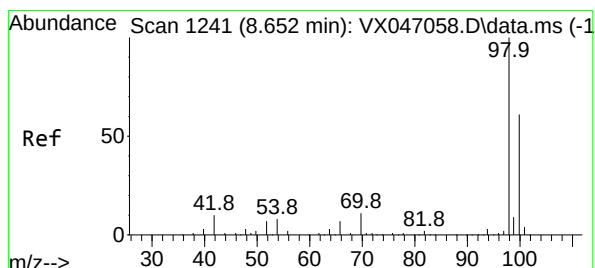
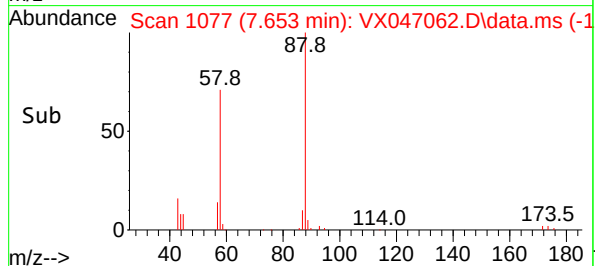
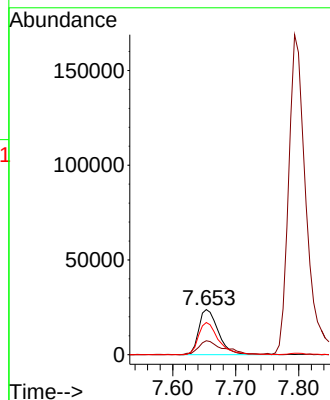
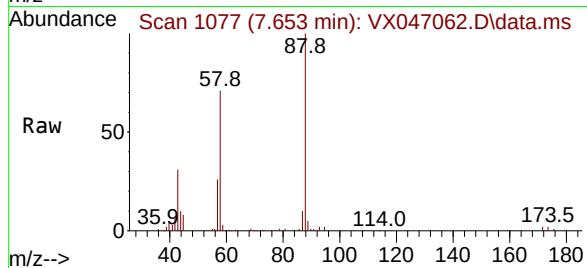
58 73.3 58.8 88.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#50

Toluene-d8

Concen: 40.102 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX047062.D

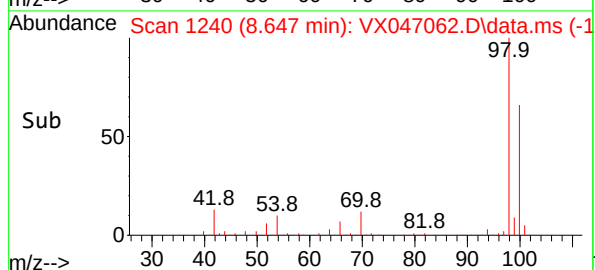
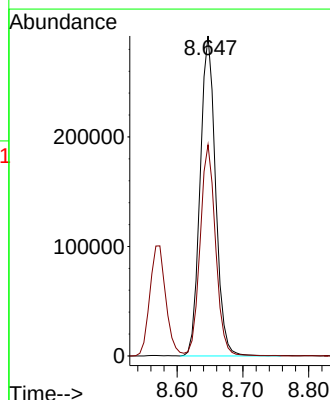
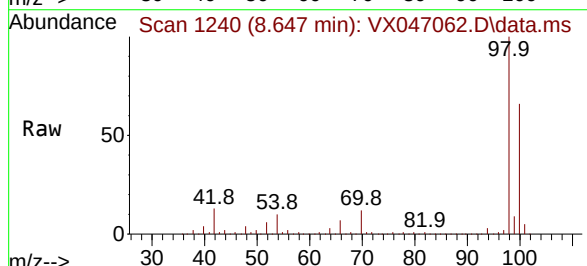
Acq: 21 Jul 2025 13:17

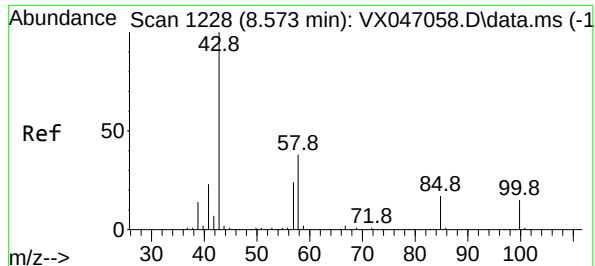
Tgt Ion: 98 Resp: 476939

Ion Ratio Lower Upper

98 100

100 65.8 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 217.774 ug/l

RT: 8.568 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX072125

Tgt Ion: 43 Resp: 116401

Ion Ratio Lower Upper

43 100

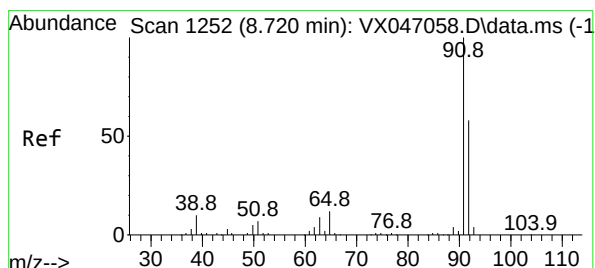
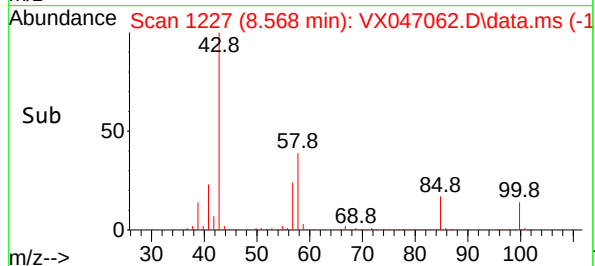
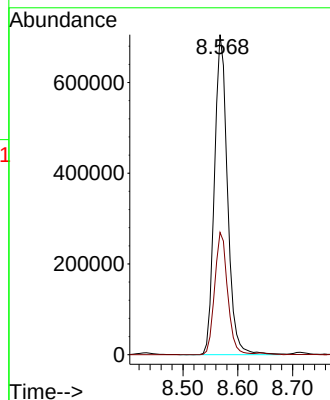
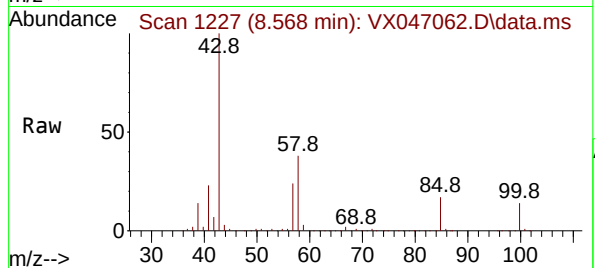
58 37.9 30.6 45.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#52

Toluene

Concen: 44.778 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX047062.D

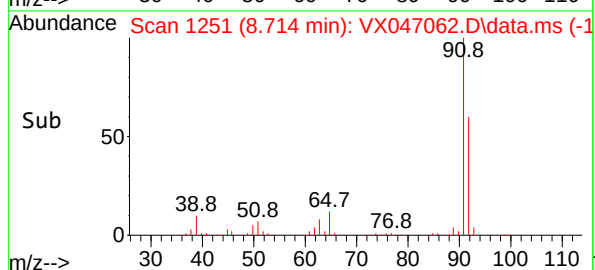
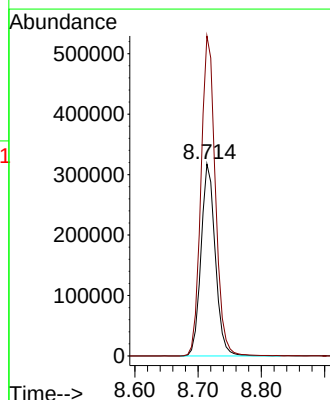
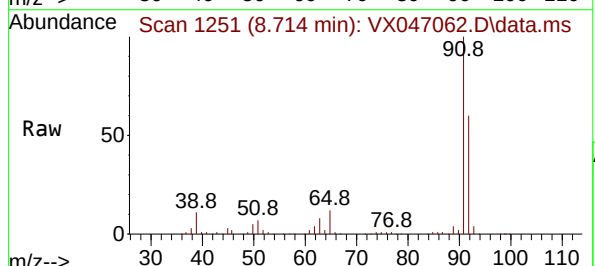
Acq: 21 Jul 2025 13:17

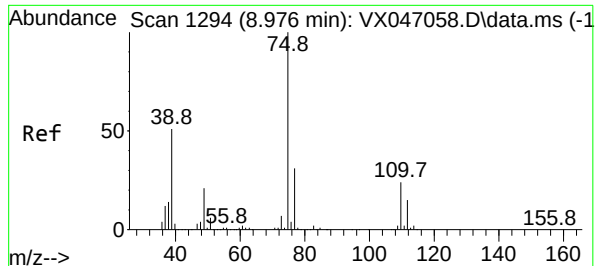
Tgt Ion: 92 Resp: 498799

Ion Ratio Lower Upper

92 100

91 168.3 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 45.444 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion: 75 Resp: 29063

Ion Ratio Lower Upper

75 100

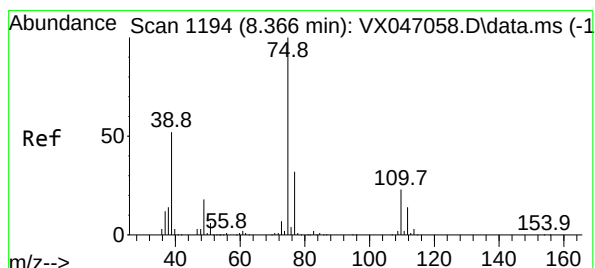
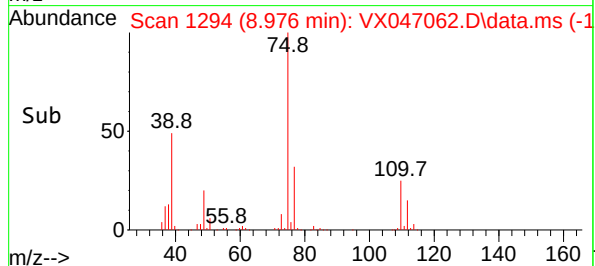
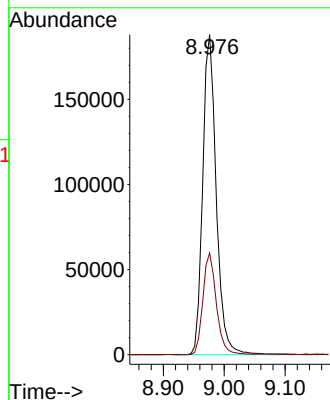
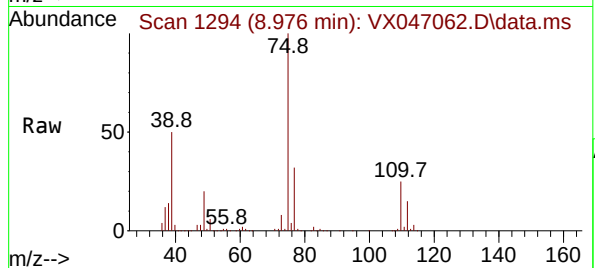
77 31.8 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#54

cis-1,3-Dichloropropene

Concen: 46.140 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

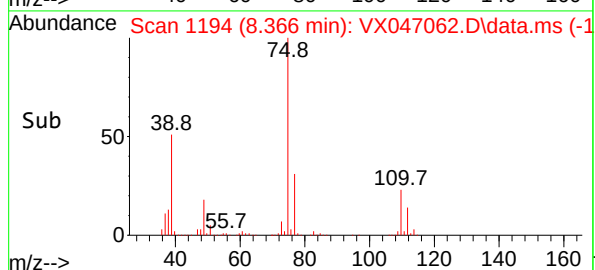
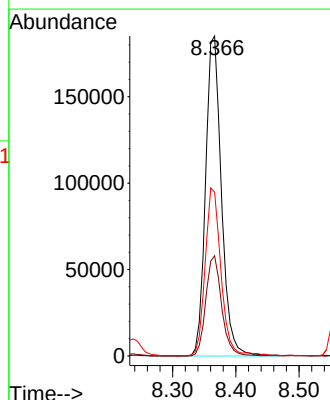
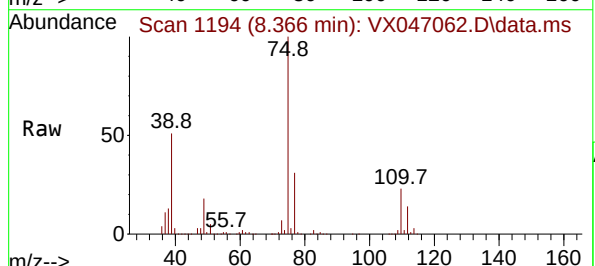
Tgt Ion: 75 Resp: 322967

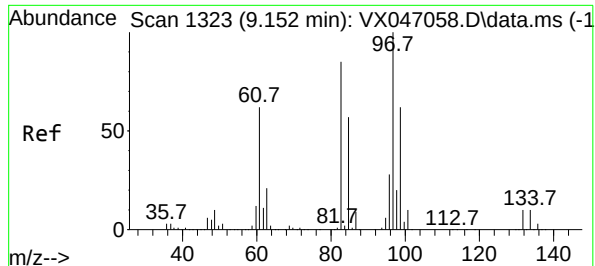
Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 50.6 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 43.270 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.006 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX072125

Tgt Ion: 97 Resp: 180762

Ion Ratio Lower Upper

97 100

83 86.8 68.0 102.0

85 57.1 45.2 67.8

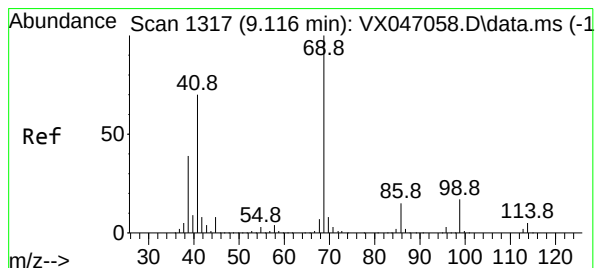
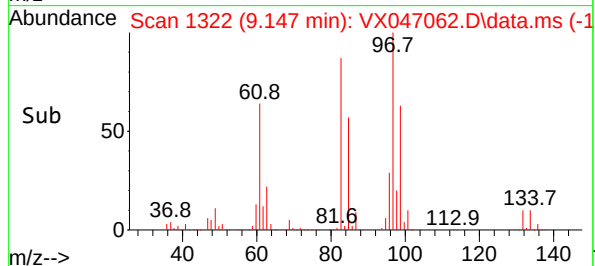
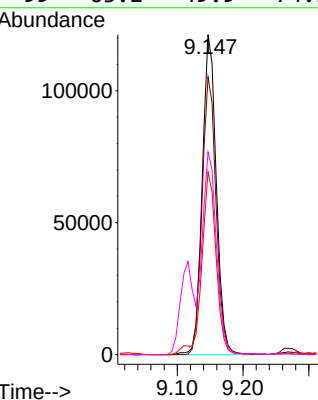
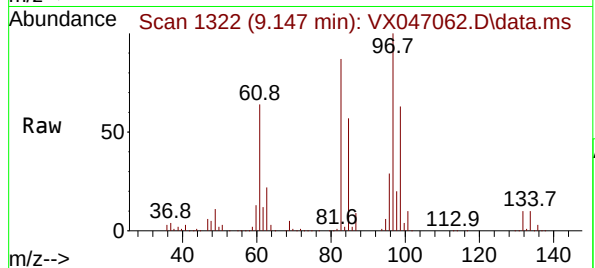
99 63.2 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#56

Ethyl methacrylate

Concen: 46.334 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

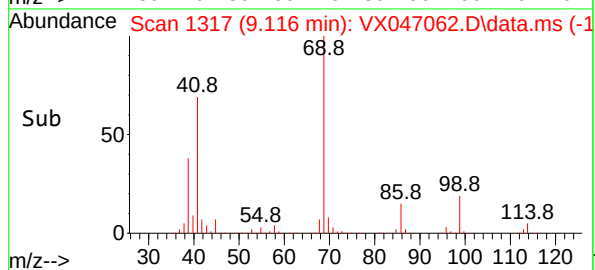
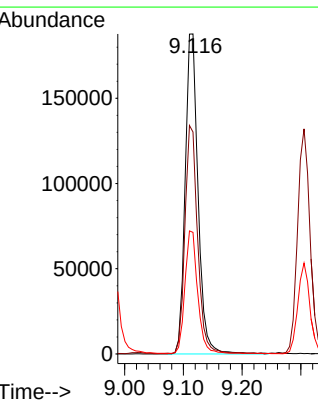
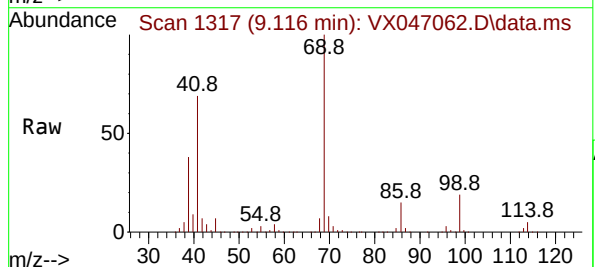
Tgt Ion: 69 Resp: 286552

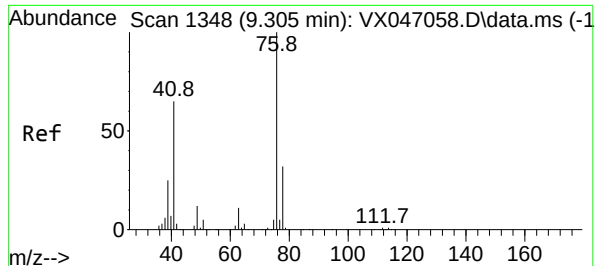
Ion Ratio Lower Upper

69 100

41 70.0 56.1 84.1

39 38.3 31.1 46.7





#57

1,3-Dichloropropane

Concen: 43.350 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion: 76 Resp: 314730

Ion Ratio Lower Upper

76 100

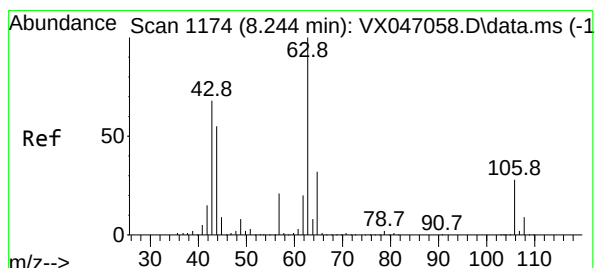
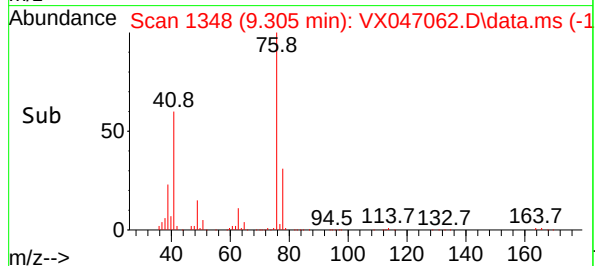
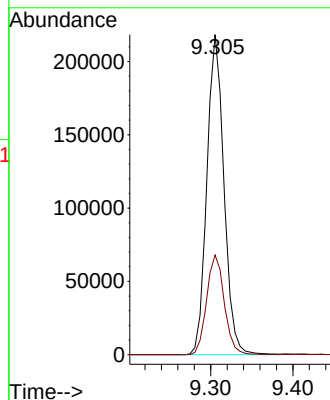
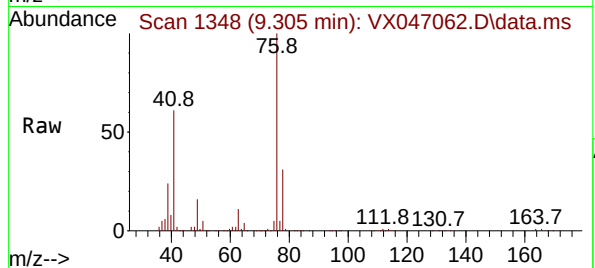
78 32.3 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#58

2-Chloroethyl Vinyl ether

Concen: 225.188 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VX047062.D

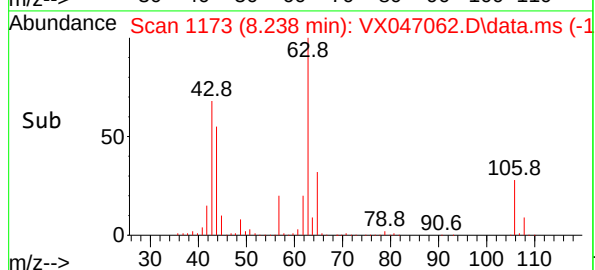
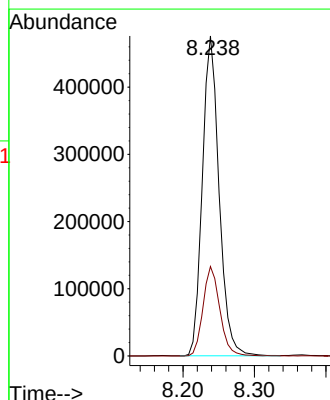
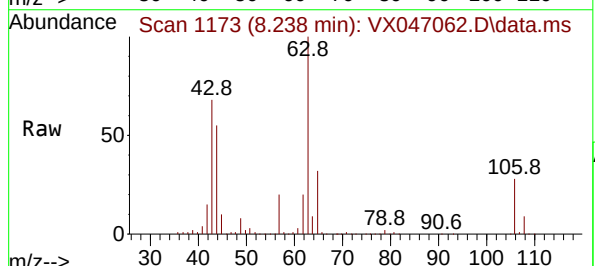
Acq: 21 Jul 2025 13:17

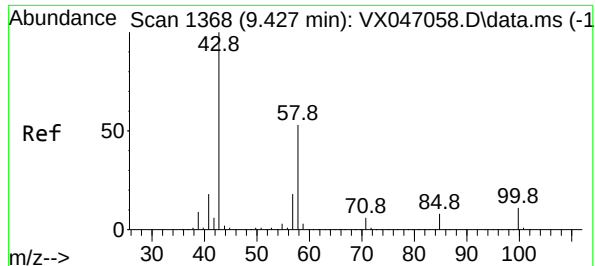
Tgt Ion: 63 Resp: 774980

Ion Ratio Lower Upper

63 100

106 28.0 22.2 33.4





#59

2-Hexanone

Concen: 228.755 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion: 43 Resp: 80782

Ion Ratio Lower Upper

43 100

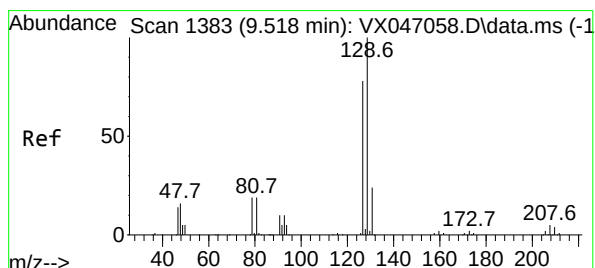
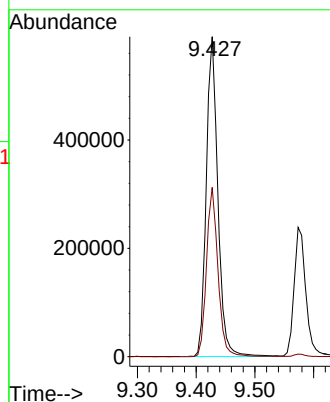
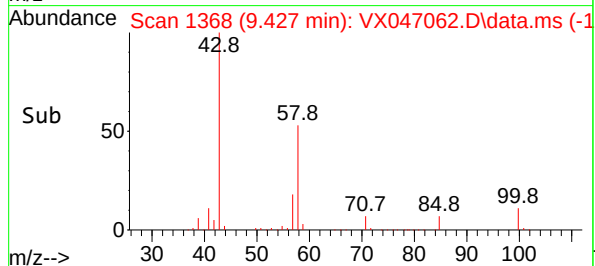
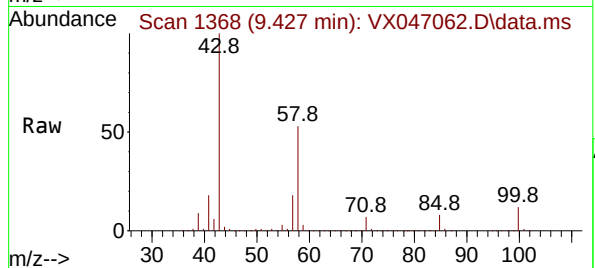
58 52.8 26.5 79.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#60

Dibromochloromethane

Concen: 44.239 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX047062.D

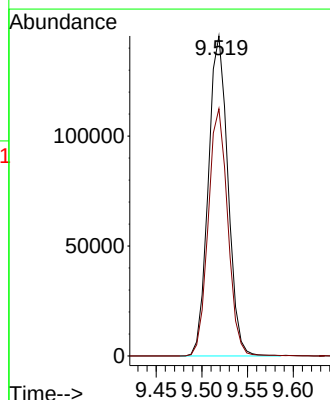
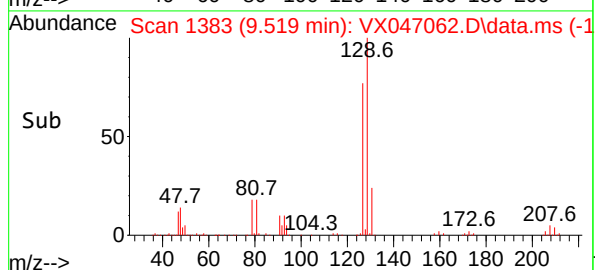
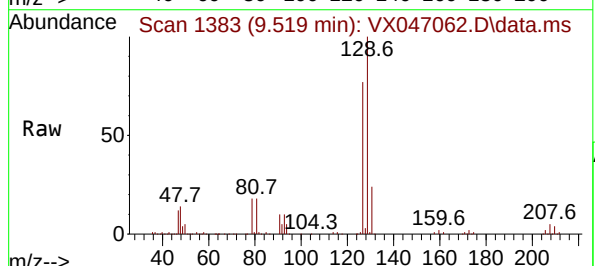
Acq: 21 Jul 2025 13:17

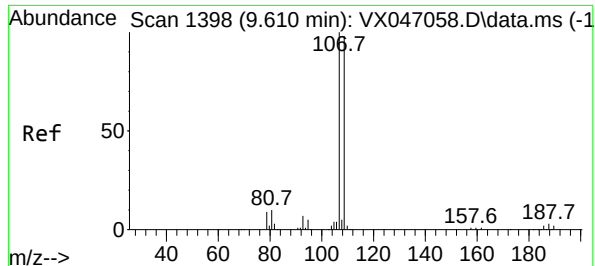
Tgt Ion:129 Resp: 216749

Ion Ratio Lower Upper

129 100

127 76.8 38.6 115.8





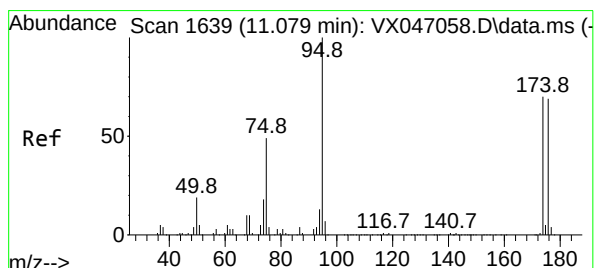
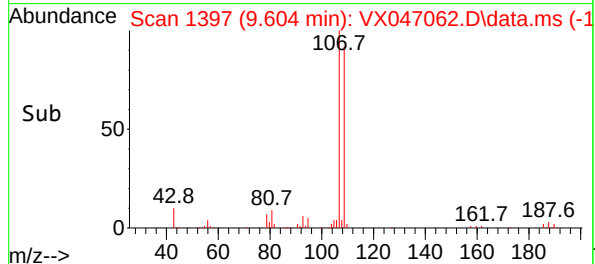
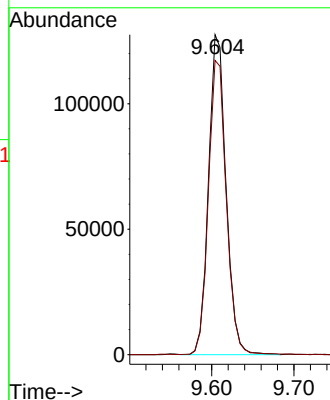
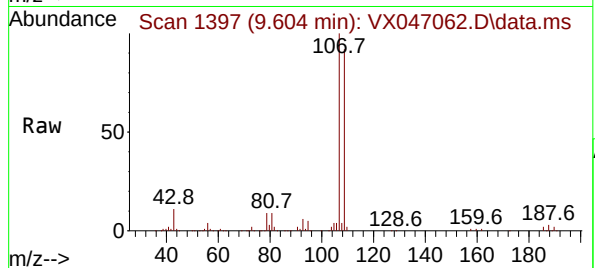
#61
1,2-Dibromoethane
Concen: 43.202 ug/l
RT: 9.604 min Scan# 1398
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVX072125

Tgt Ion:107 Resp: 188711
Ion Ratio Lower Upper
107 100
109 94.2 74.6 112.0

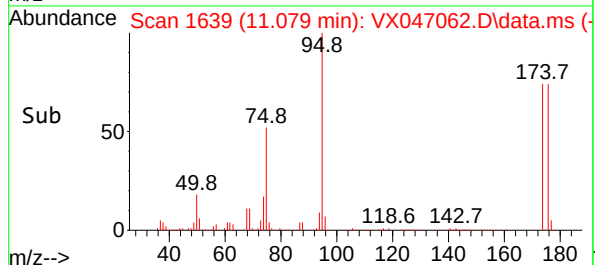
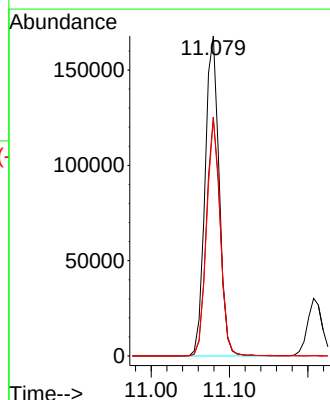
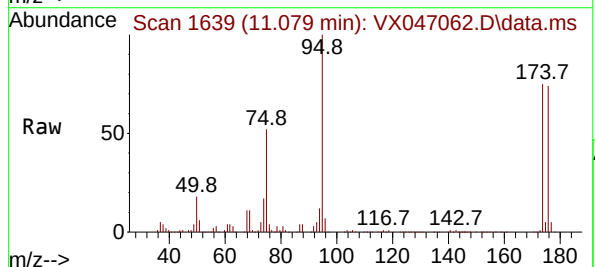
Manual Integrations
APPROVED

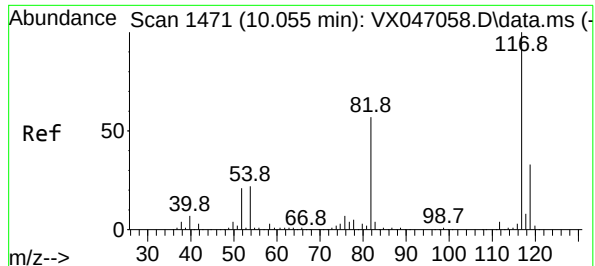
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#62
4-Bromofluorobenzene
Concen: 40.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 95 Resp: 209003
Ion Ratio Lower Upper
95 100
174 72.9 0.0 144.6
176 71.8 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.006 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX072125

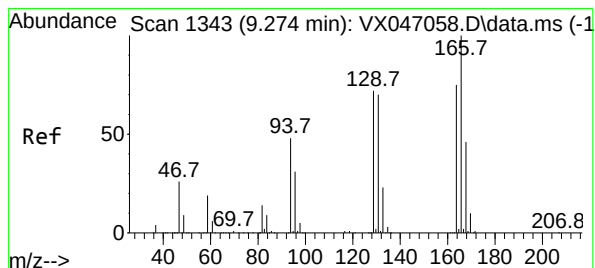
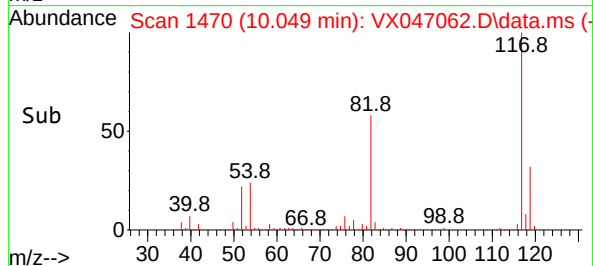
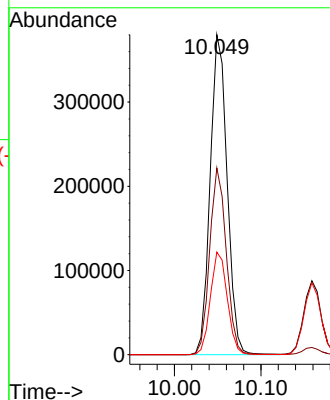
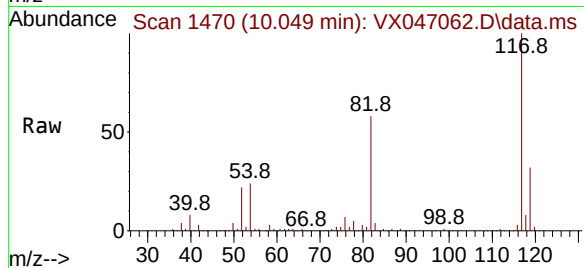
Tgt Ion:	117	Resp:	51690
Ion Ratio	Lower	Upper	
117	100		
82	58.4	45.4	68.2
119	32.1	26.1	39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#64

Tetrachloroethene

Concen: 44.131 ug/l

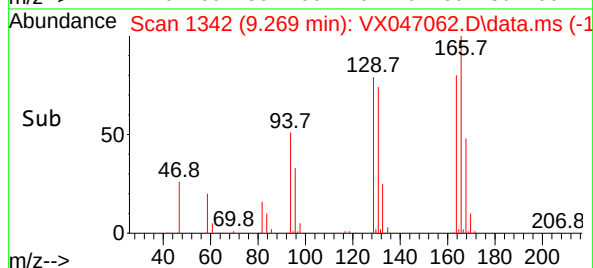
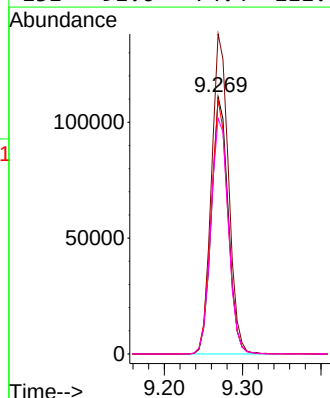
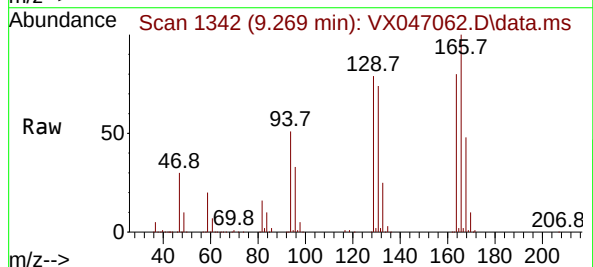
RT: 9.269 min Scan# 1342

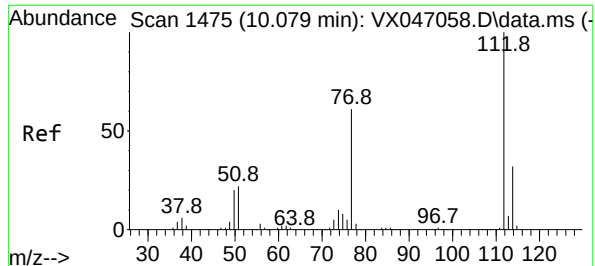
Delta R.T. -0.006 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Tgt Ion:	164	Resp:	164447
Ion Ratio	Lower	Upper	
164	100		
166	124.5	106.2	159.4
129	98.9	76.6	114.8
131	91.6	74.4	111.6





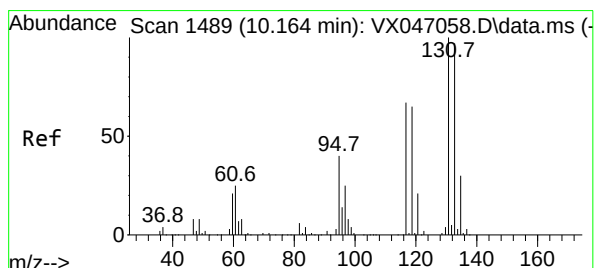
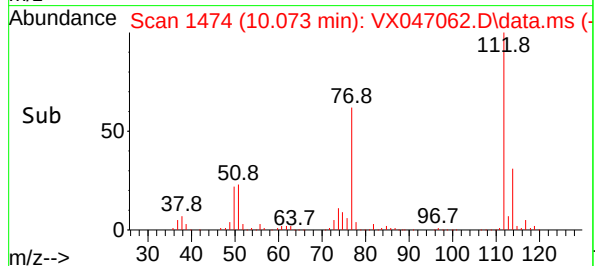
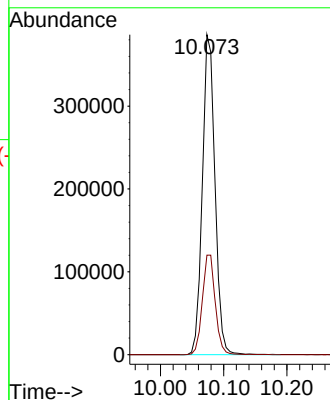
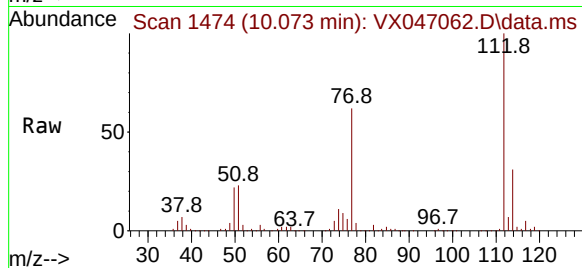
#65
Chlorobenzene
Concen: 44.318 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:112 Resp: 536664
Ion Ratio Lower Upper
112 100
114 31.1 25.8 38.6

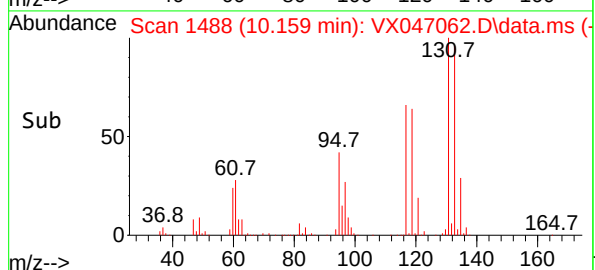
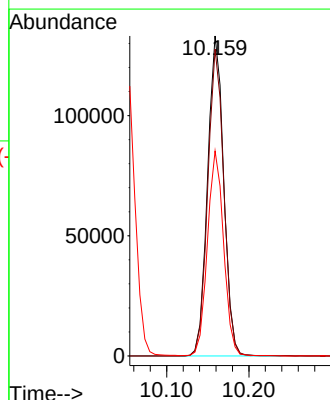
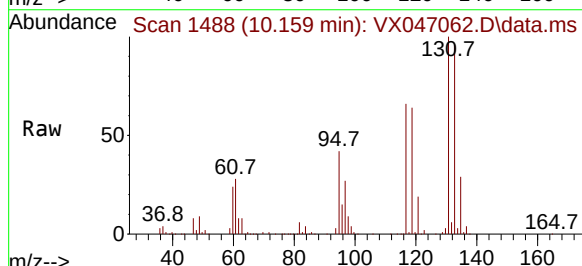
Manual Integrations
APPROVED

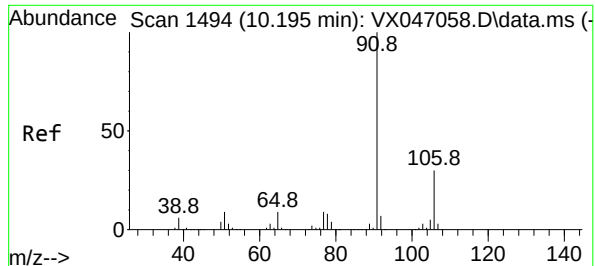
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 44.529 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

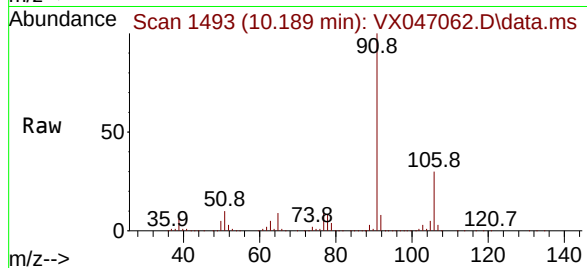
Tgt Ion:131 Resp: 181544
Ion Ratio Lower Upper
131 100
133 95.3 48.4 145.3
119 63.9 32.4 97.0





#67
Ethyl Benzene
Concen: 44.977 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

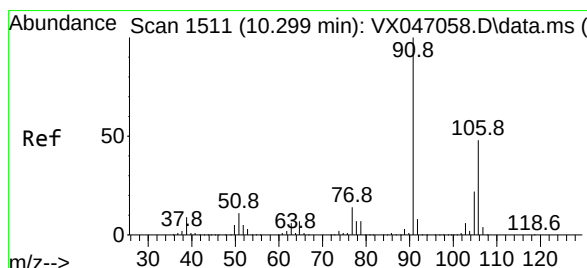
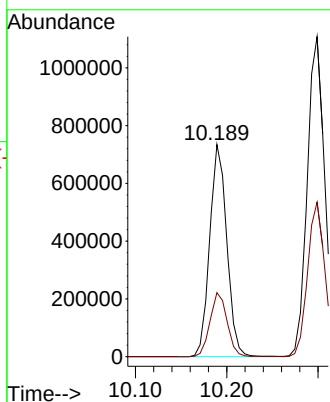
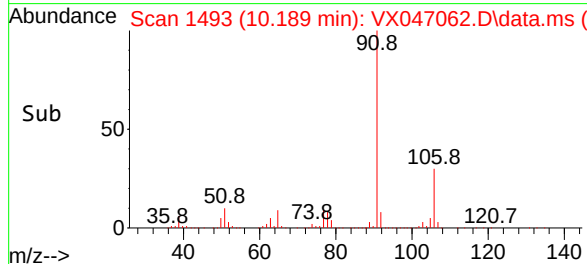
Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125



Tgt Ion: 91 Resp: 952288
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.4

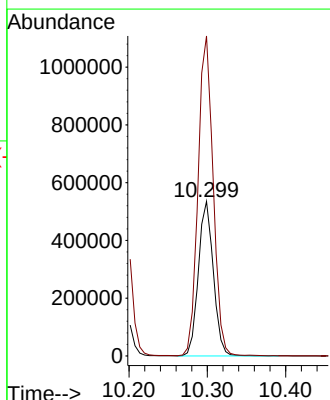
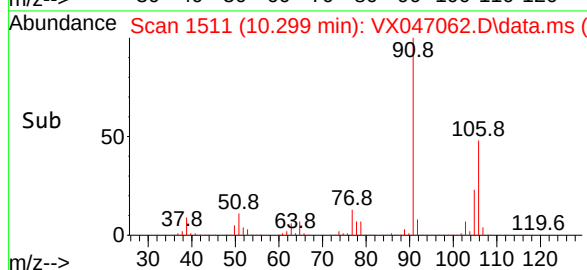
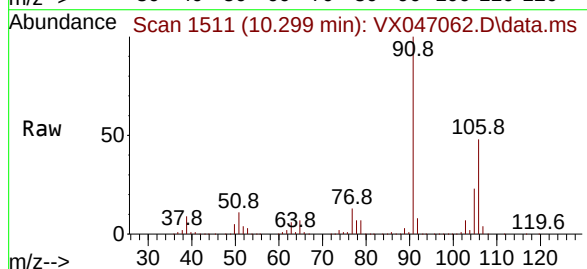
Manual Integrations
APPROVED

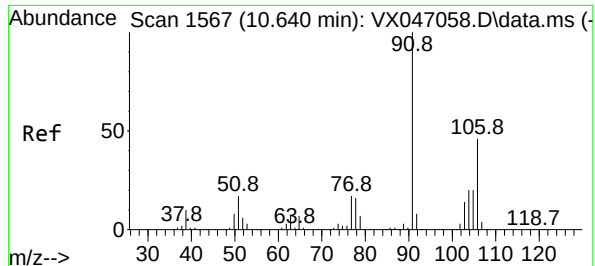
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#68
m/p-Xylenes
Concen: 89.564 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:106 Resp: 709639
Ion Ratio Lower Upper
106 100
91 209.3 167.4 251.0





#69

o-Xylene

Concen: 45.328 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion:106 Resp: 341662

Ion Ratio Lower Upper

106 100

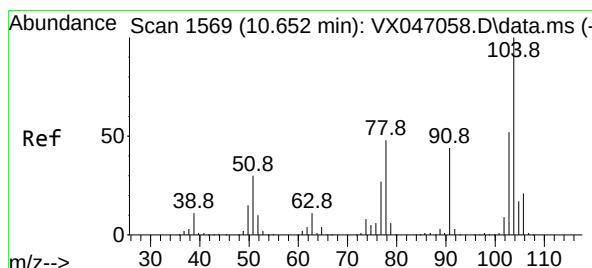
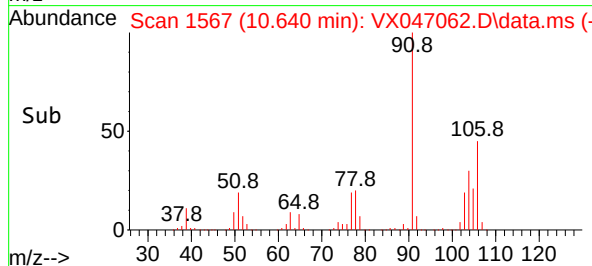
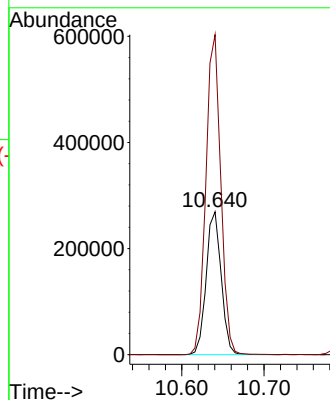
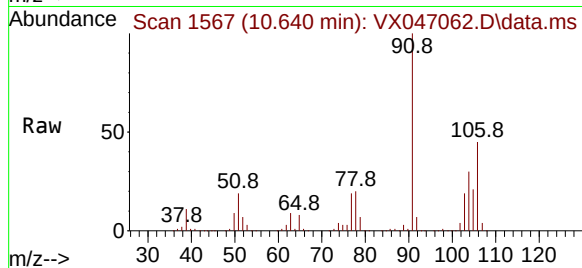
91 222.1 110.3 331.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#70

Styrene

Concen: 45.618 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

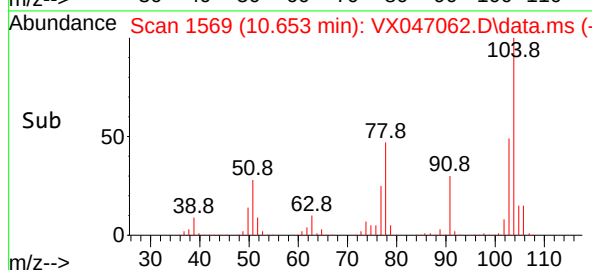
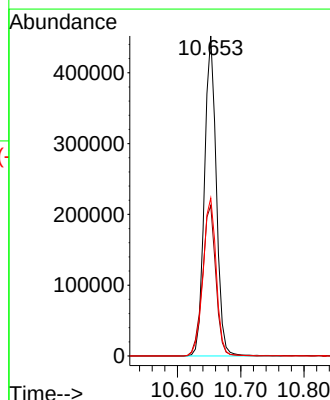
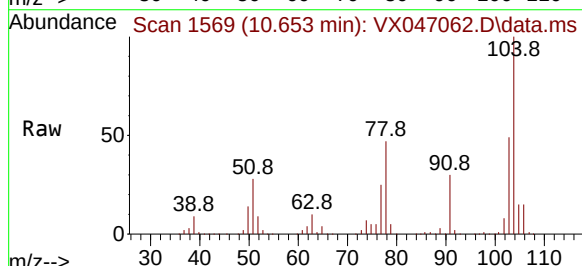
Tgt Ion:104 Resp: 589610

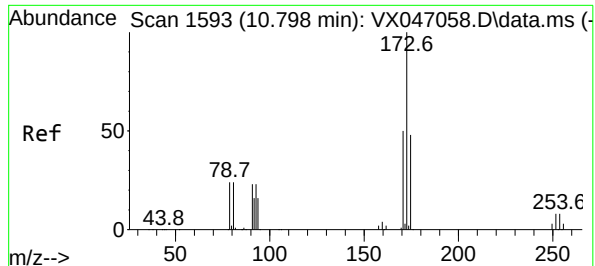
Ion Ratio Lower Upper

104 100

78 52.6 42.0 63.0

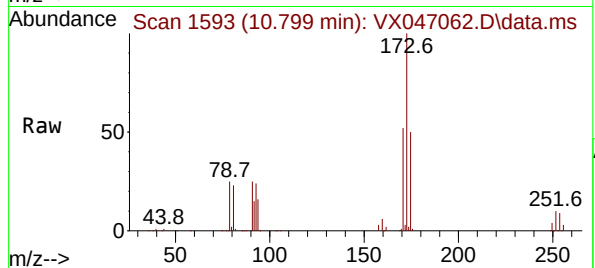
103 54.7 43.8 65.6





#71
Bromoform
Concen: 44.106 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

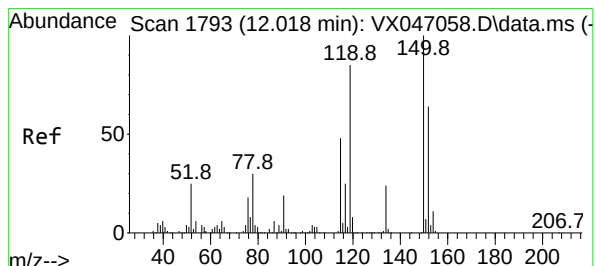
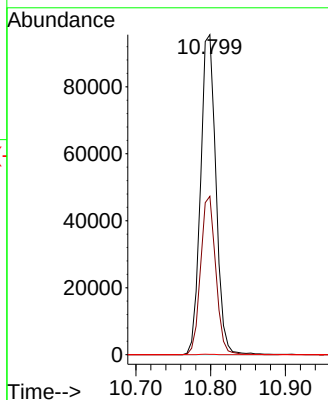
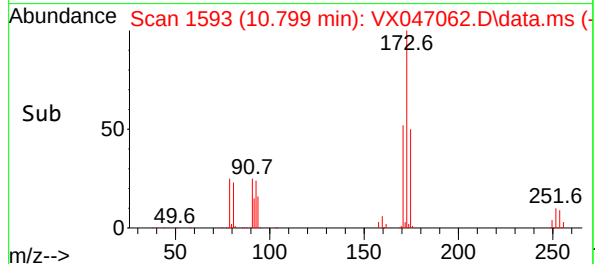
Instrument :
MSVOA_X
ClientSampleId :
ICVX072125



Tgt Ion:173 Resp: 136594
Ion Ratio Lower Upper
173 100
175 48.7 24.2 72.6
254 0.1 0.1 0.1

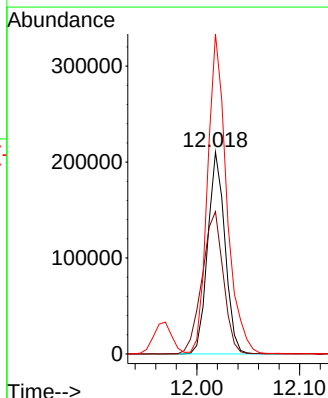
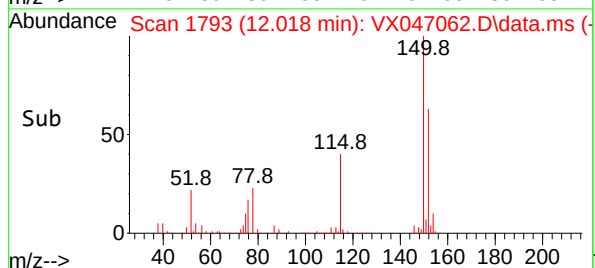
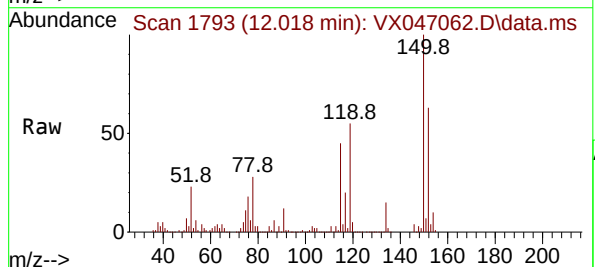
Manual Integrations
APPROVED

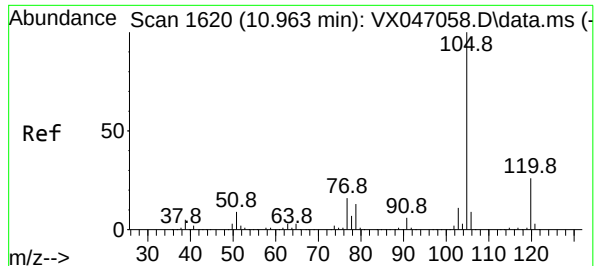
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:152 Resp: 245093
Ion Ratio Lower Upper
152 100
115 86.9 45.6 136.7
150 175.5 0.0 354.6





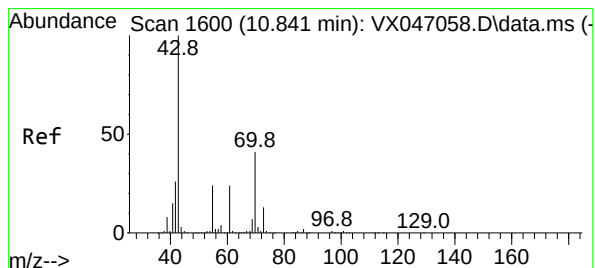
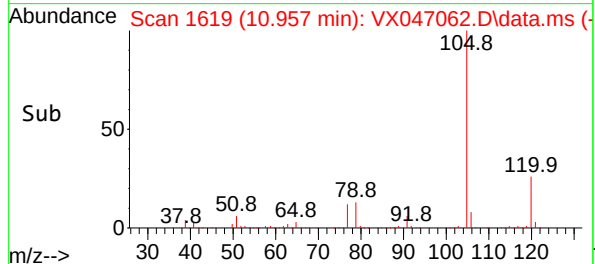
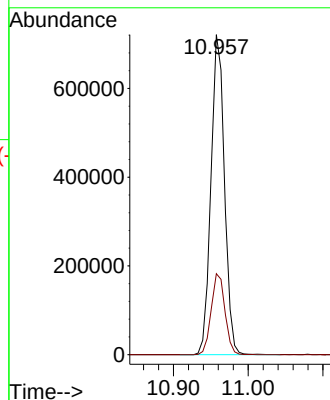
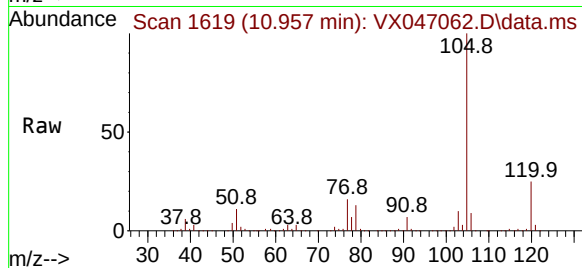
#73
Isopropylbenzene
Concen: 46.708 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:105 Resp: 903154
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.7

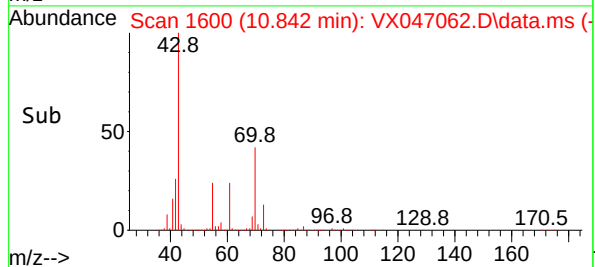
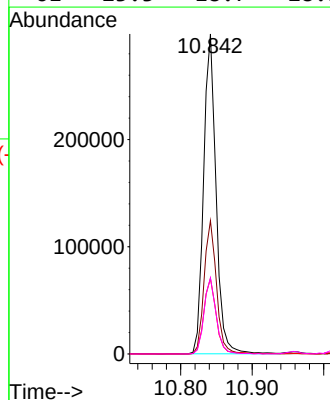
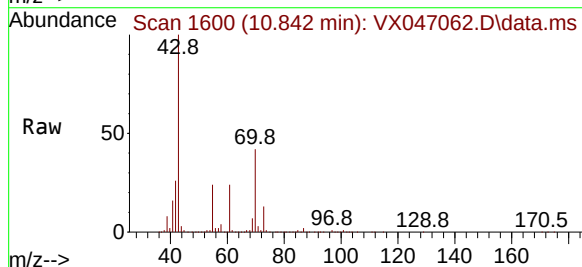
Manual Integrations
APPROVED

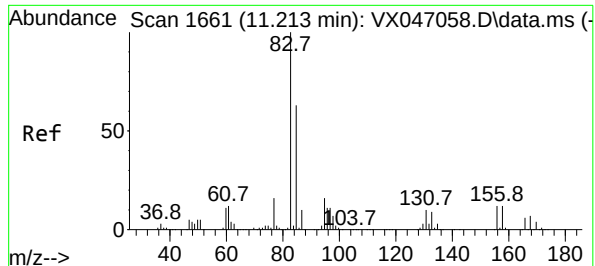
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#74
N-ethyl acetate
Concen: 46.238 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

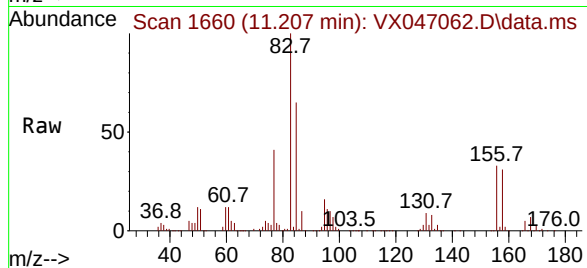
Tgt Ion: 43 Resp: 360744
Ion Ratio Lower Upper
43 100
70 41.5 32.3 48.5
55 23.8 18.9 28.3
61 23.3 18.7 28.1





#75
1,1,2,2-Tetrachloroethane
Concen: 45.037 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

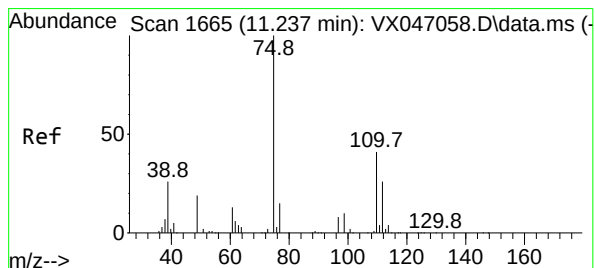
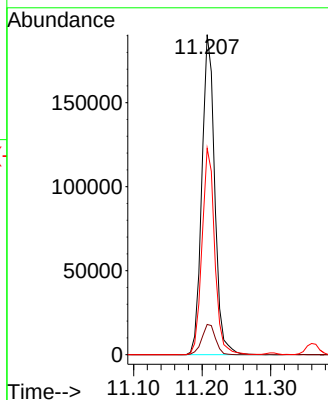
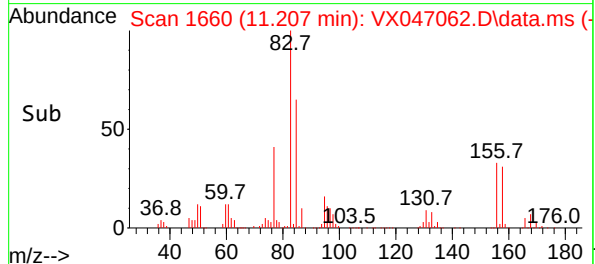
Instrument :
MSVOA_X
ClientSampleId :
ICVX072125



Tgt Ion: 83 Resp: 248750
Ion Ratio Lower Upper
83 100
131 10.0 5.0 14.9
85 63.7 32.0 96.2

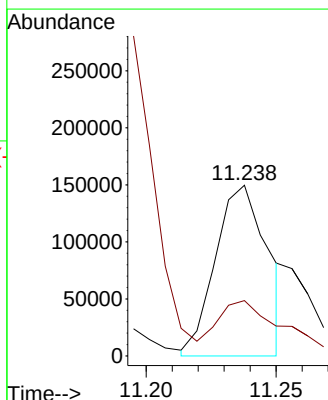
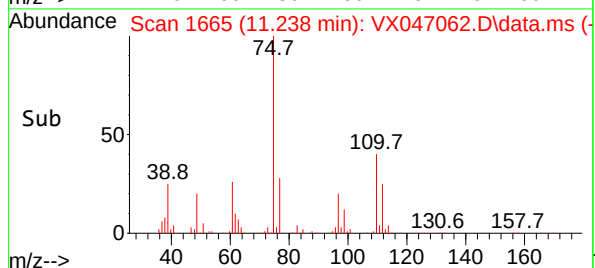
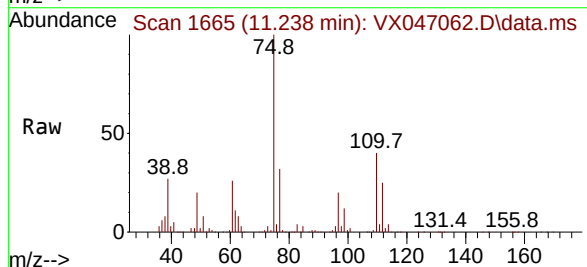
Manual Integrations
APPROVED

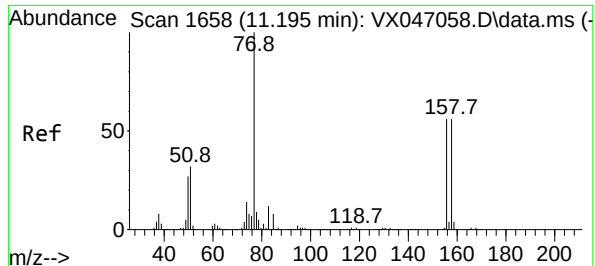
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#76
1,2,3-Trichloropropane
Concen: 46.113 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

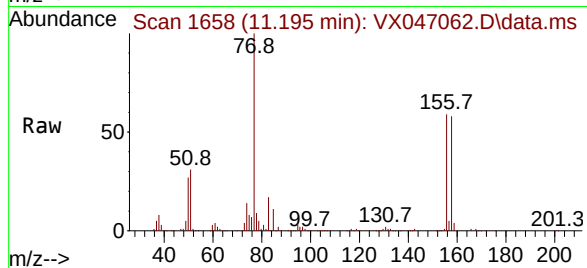
Tgt Ion: 75 Resp: 209195
Ion Ratio Lower Upper
75 100
77 41.1 21.6 65.0





#77
Bromobenzene
Concen: 46.441 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

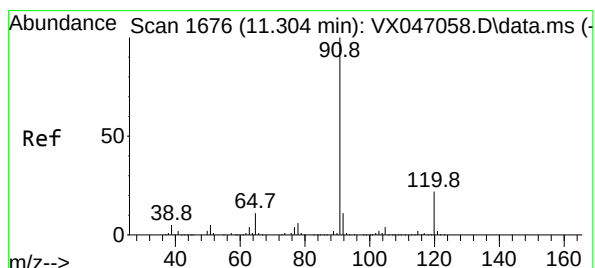
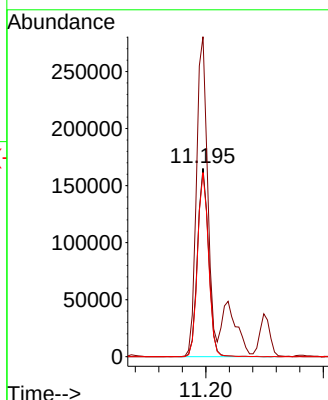
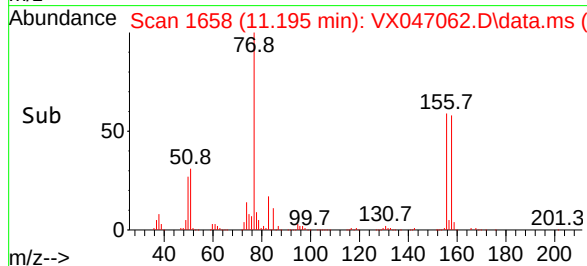
Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125



Tgt Ion:156 Resp: 21539
Ion Ratio Lower Upper
156 100
77 171.7 87.3 261.9
158 97.1 48.9 146.6

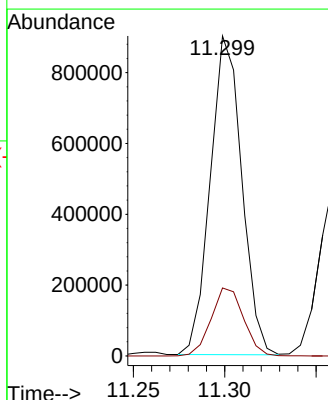
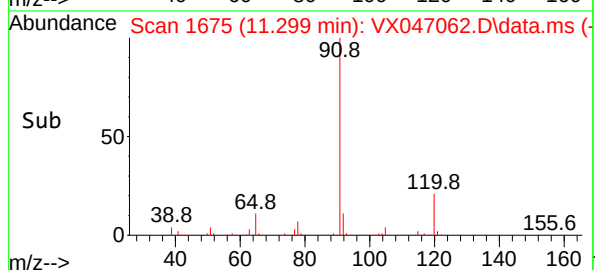
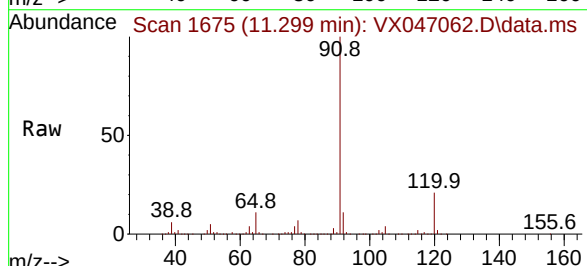
Manual Integrations
APPROVED

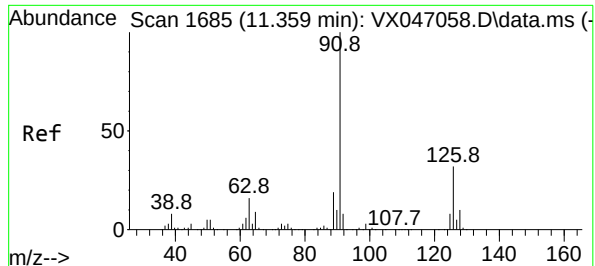
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#78
n-propylbenzene
Concen: 46.812 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 91 Resp: 1081658
Ion Ratio Lower Upper
91 100
120 22.0 11.0 33.0





#79

2-Chlorotoluene

Concen: 45.702 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX072125

Tgt Ion: 91 Resp: 63125

Ion Ratio Lower Upper

91 100

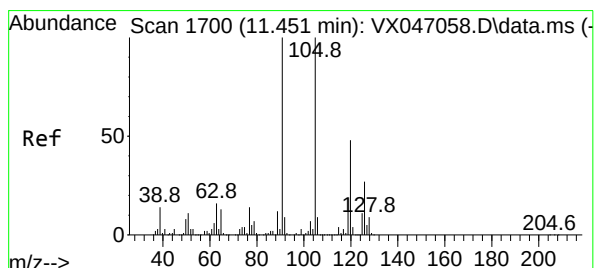
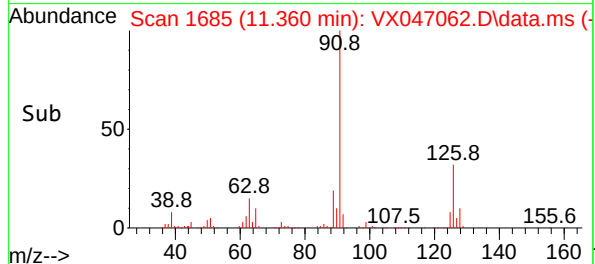
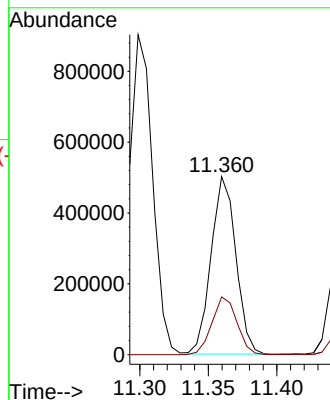
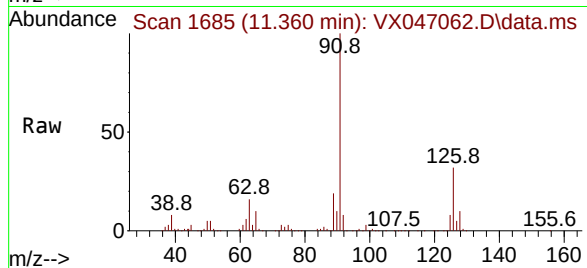
126 32.8 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#80

1,3,5-Trimethylbenzene

Concen: 46.187 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX047062.D

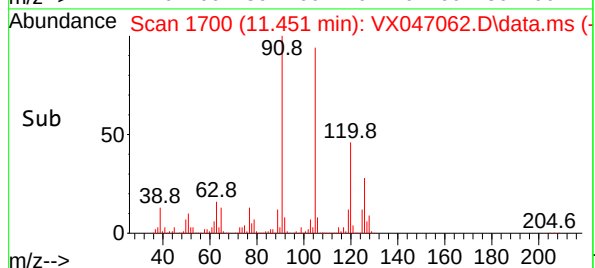
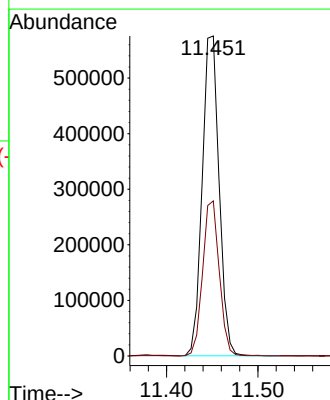
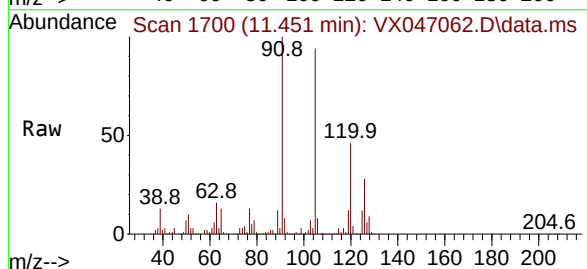
Acq: 21 Jul 2025 13:17

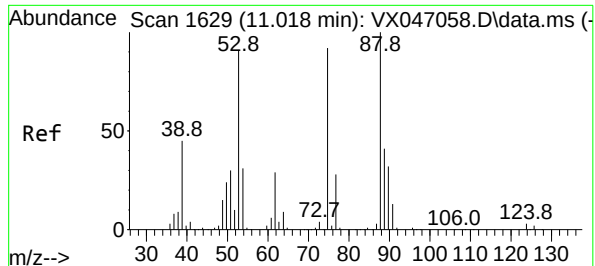
Tgt Ion:105 Resp: 737827

Ion Ratio Lower Upper

105 100

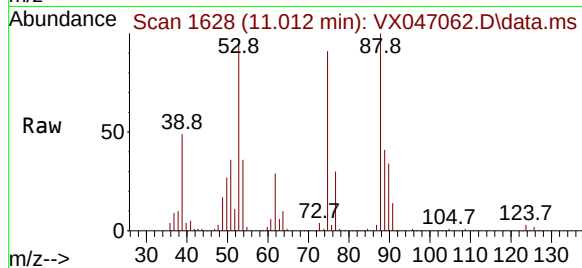
120 47.7 23.8 71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 45.380 ug/l
RT: 11.012 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

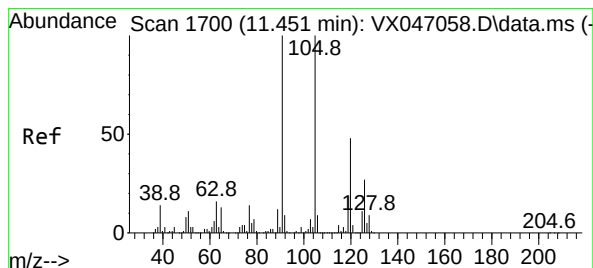
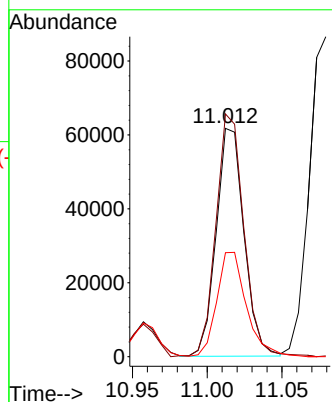
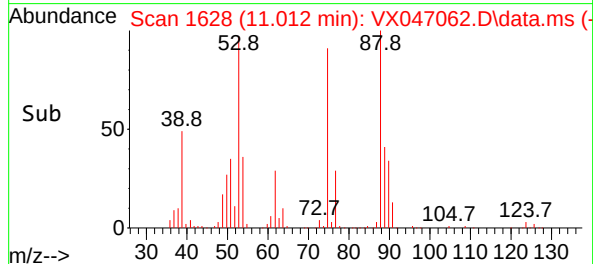
Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125



Tgt Ion: 75 Resp: 79900
Ion Ratio Lower Upper
75 100
53 106.6 84.2 126.4
89 48.7 36.0 54.0

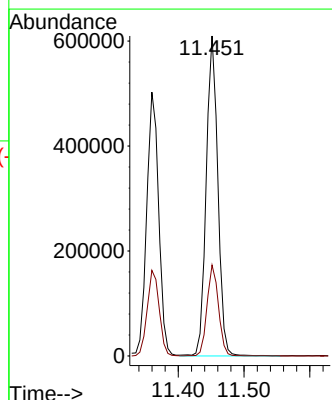
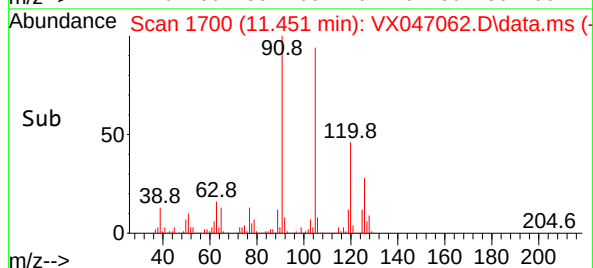
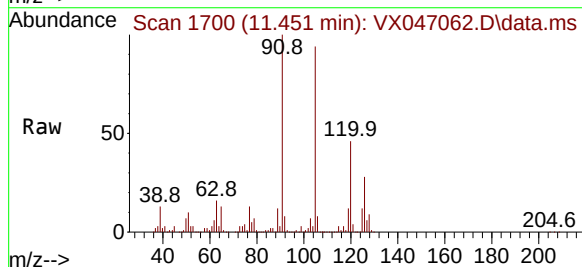
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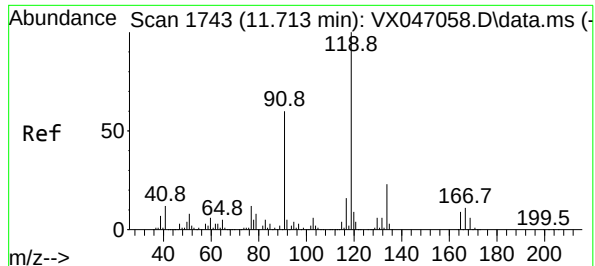
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#82
4-Chlorotoluene
Concen: 46.476 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 91 Resp: 749299
Ion Ratio Lower Upper
91 100
126 27.9 14.1 42.3





#83

tert-Butylbenzene

Concen: 46.942 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion:119 Resp: 752650

Ion Ratio Lower Upper

119 100

91 58.7 29.6 88.8

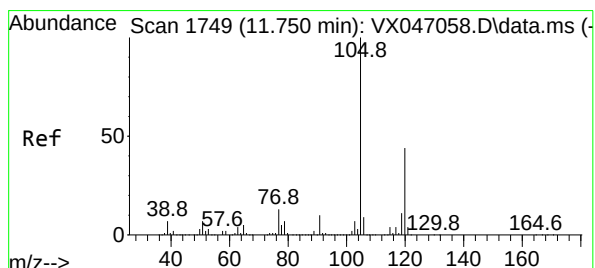
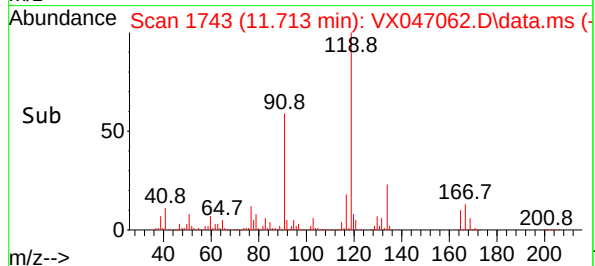
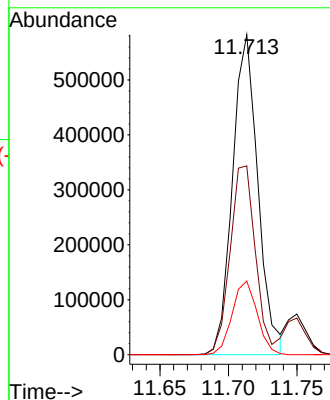
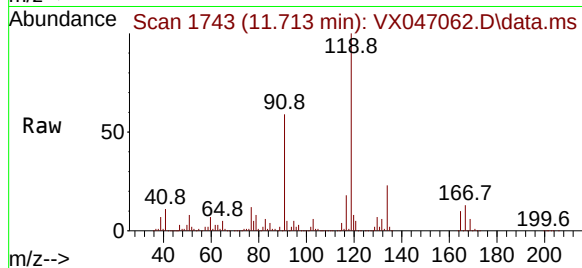
134 22.7 11.4 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#84

1,2,4-Trimethylbenzene

Concen: 46.741 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX047062.D

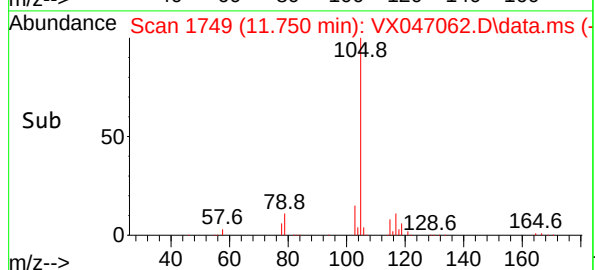
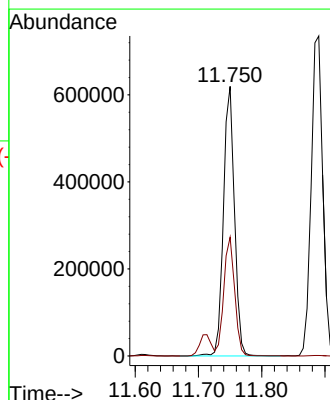
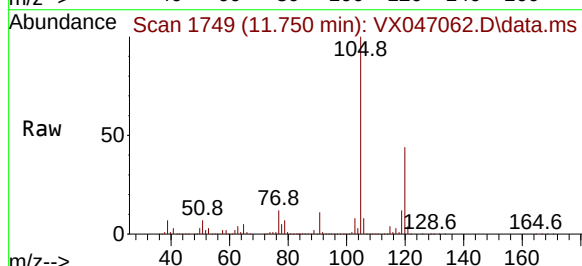
Acq: 21 Jul 2025 13:17

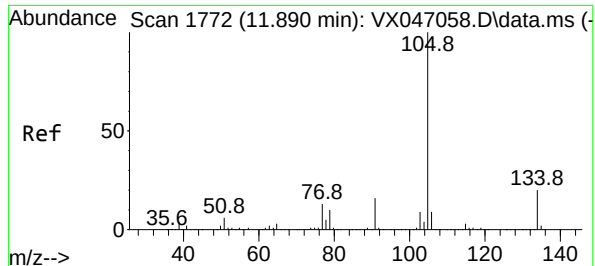
Tgt Ion:105 Resp: 744757

Ion Ratio Lower Upper

105 100

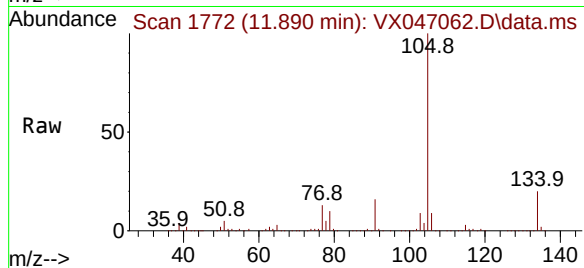
120 43.5 22.0 66.0





#85
sec-Butylbenzene
Concen: 46.632 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

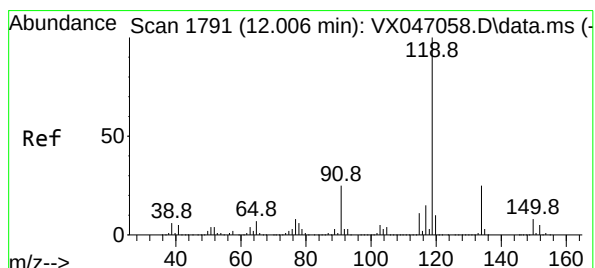
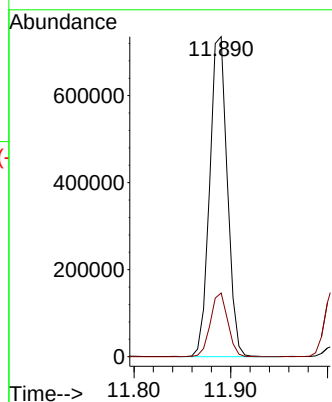
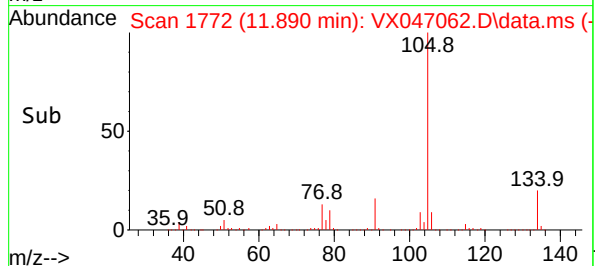
Instrument :
MSVOA_X
ClientSampleId :
ICVX072125



Tgt Ion:105 Resp: 934198
Ion Ratio Lower Upper
105 100
134 19.6 9.9 29.7

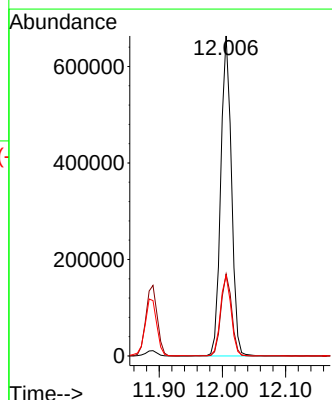
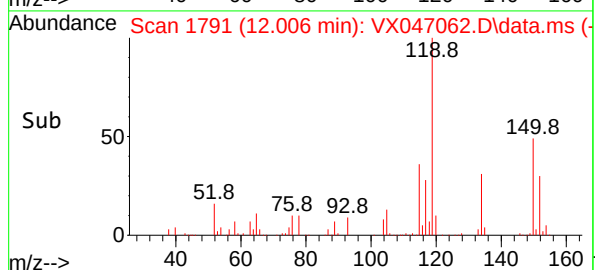
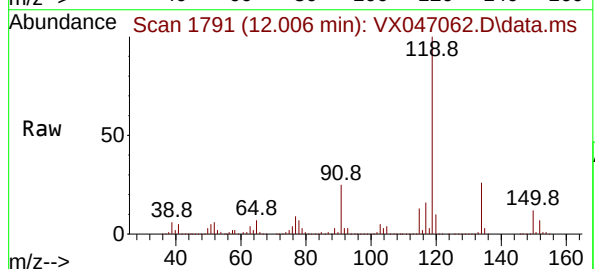
Manual Integrations
APPROVED

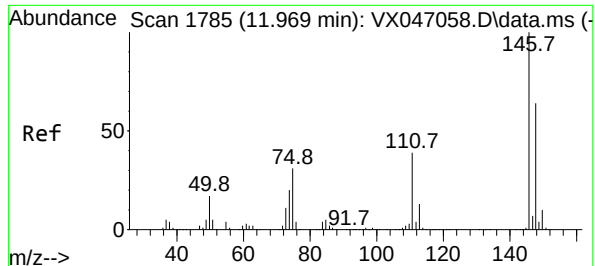
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#86
p-Isopropyltoluene
Concen: 46.560 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:119 Resp: 773508
Ion Ratio Lower Upper
119 100
134 25.8 12.8 38.4
91 25.2 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 45.450 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVX072125

Tgt Ion:146 Resp: 400520

Ion Ratio Lower Upper

146 100

111 41.7 21.0 63.0

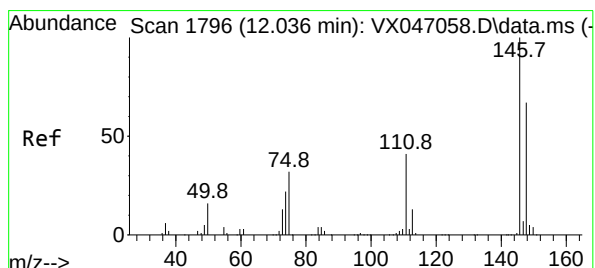
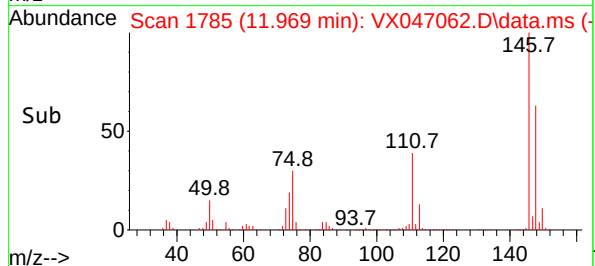
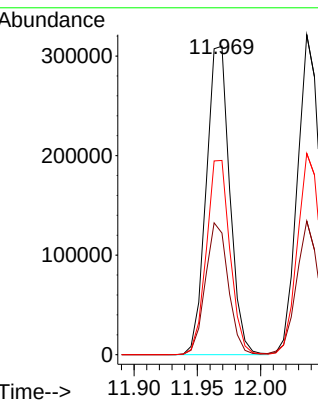
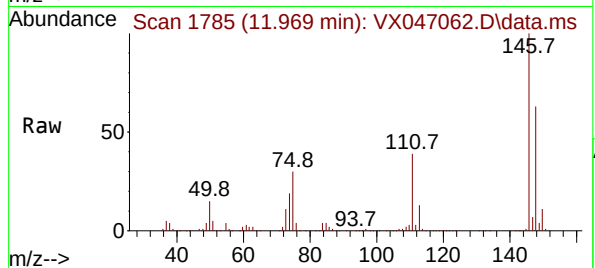
148 63.2 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#88

1,4-Dichlorobenzene

Concen: 44.634 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

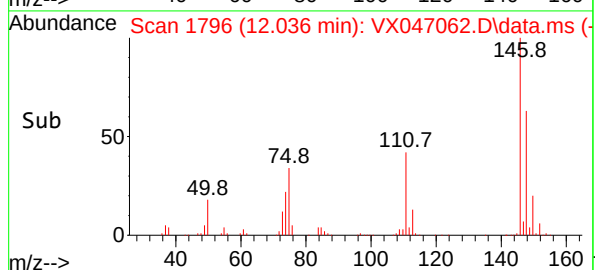
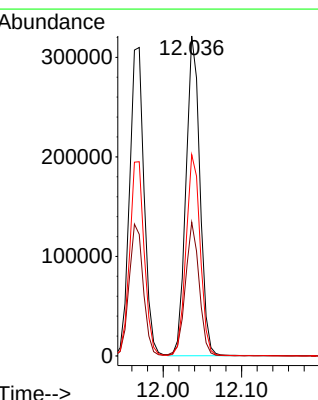
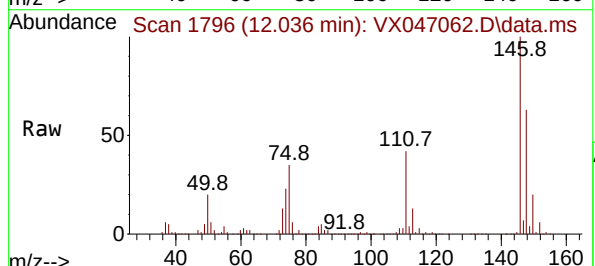
Tgt Ion:146 Resp: 398497

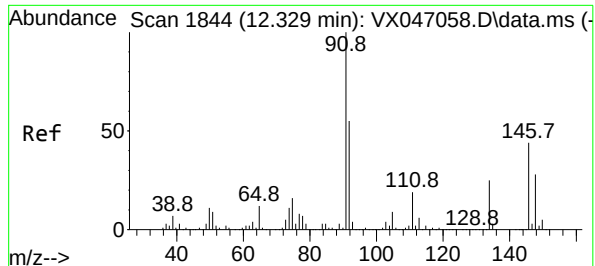
Ion Ratio Lower Upper

146 100

111 41.2 20.6 61.9

148 63.9 33.0 98.9





#89

n-Butylbenzene

Concen: 47.201 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX072125

Tgt Ion: 91 Resp: 73538

Ion Ratio Lower Upper

91 100

92 54.6 27.5 82.5

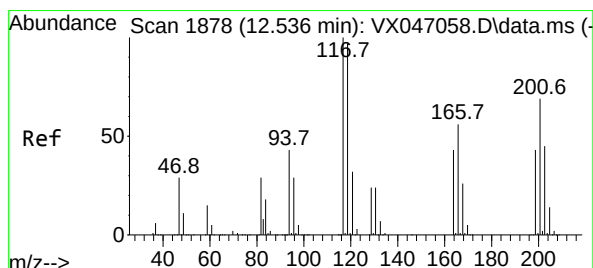
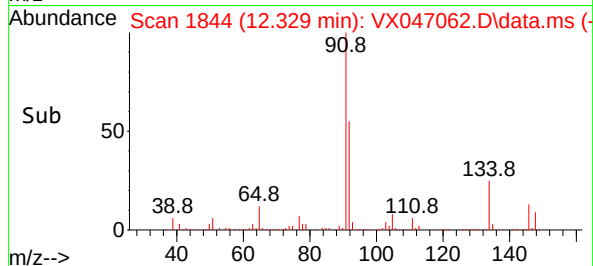
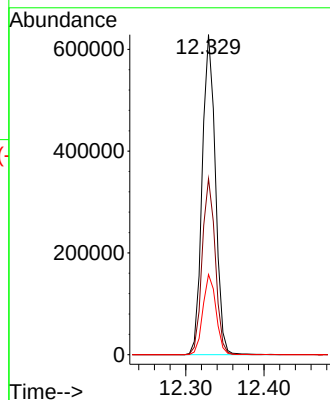
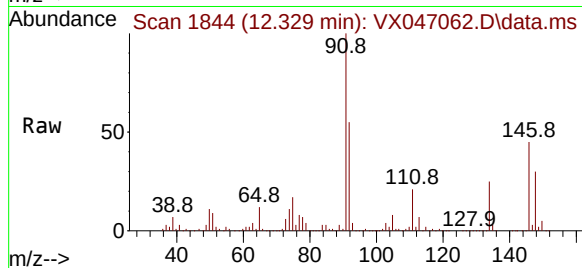
134 25.0 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#90

Hexachloroethane

Concen: 46.667 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX047062.D

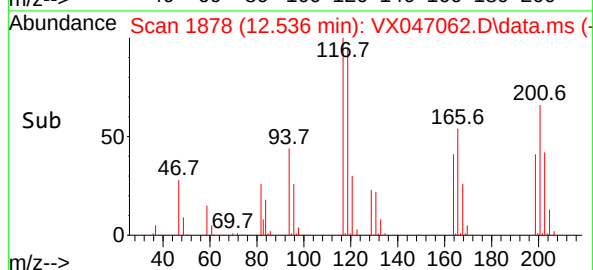
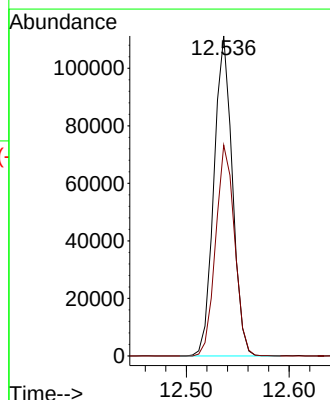
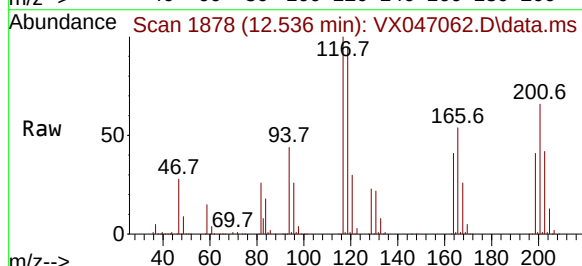
Acq: 21 Jul 2025 13:17

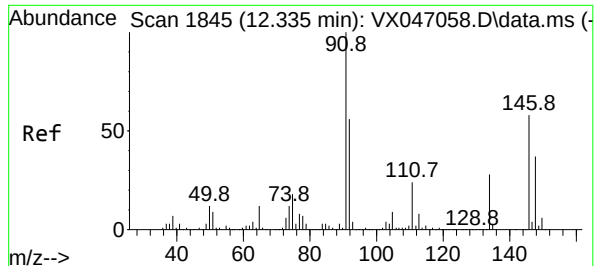
Tgt Ion:117 Resp: 138697

Ion Ratio Lower Upper

117 100

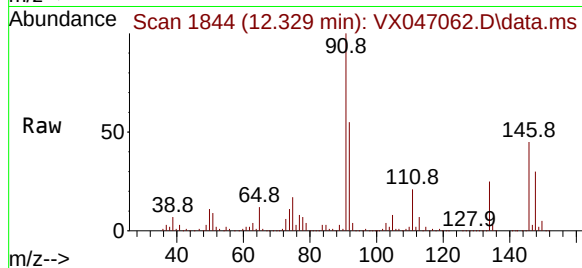
201 67.6 34.8 104.5





#91
1,2-Dichlorobenzene
Concen: 44.320 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

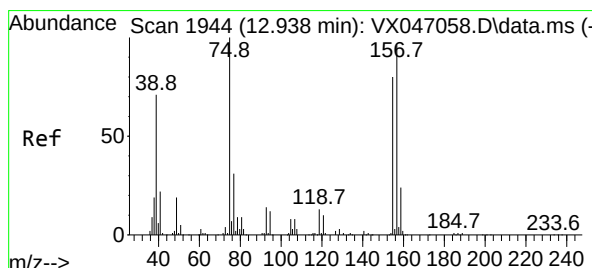
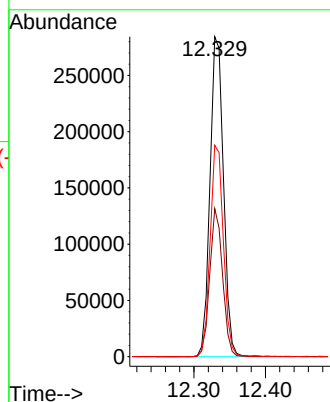
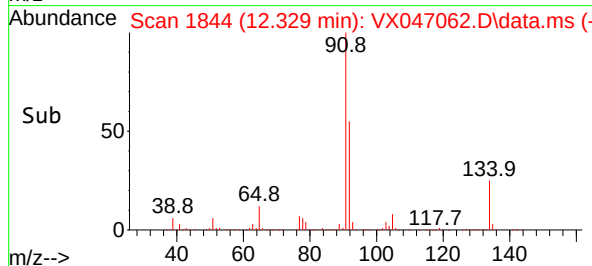
Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125



Tgt Ion:146 Resp: 373280
Ion Ratio Lower Upper
146 100
111 44.0 21.6 64.6
148 64.9 31.9 95.7

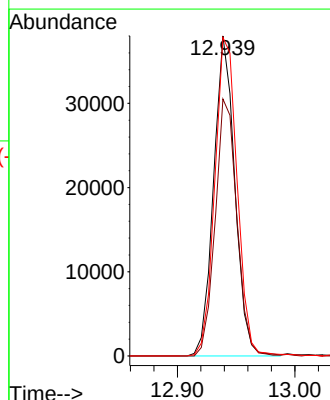
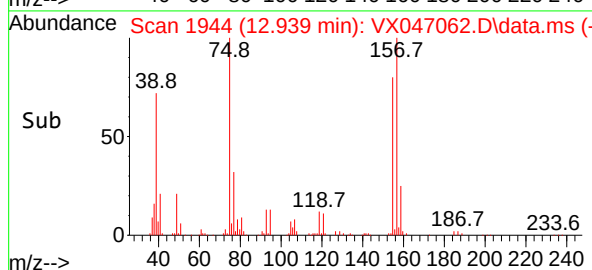
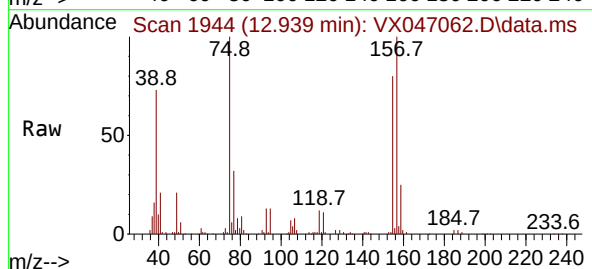
Manual Integrations
APPROVED

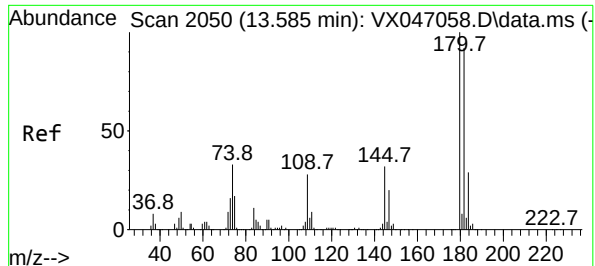
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.904 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 75 Resp: 47608
Ion Ratio Lower Upper
75 100
155 82.0 41.3 124.1
157 105.2 52.8 158.3





#93

1,2,4-Trichlorobenzene

Concen: 46.990 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

ICVVX072125

Tgt Ion:180 Resp: 26148

Ion Ratio Lower Upper

180 100

182 93.7 47.3 141.8

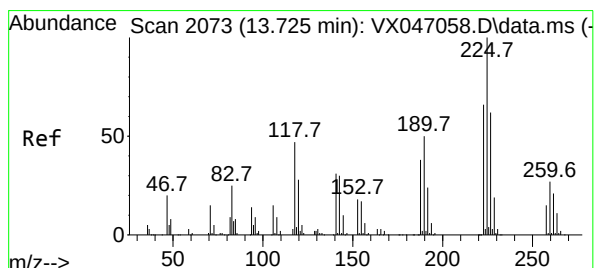
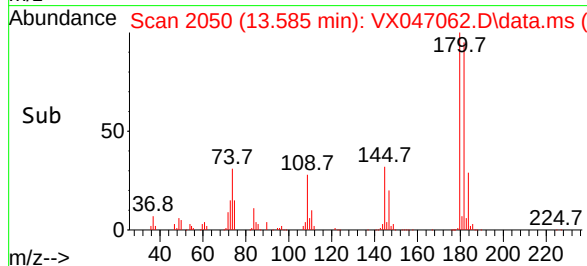
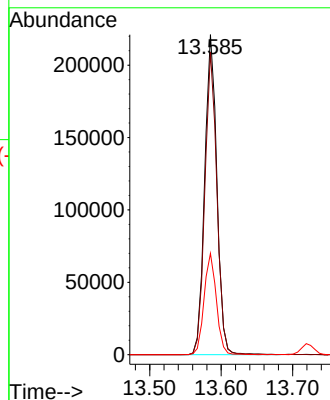
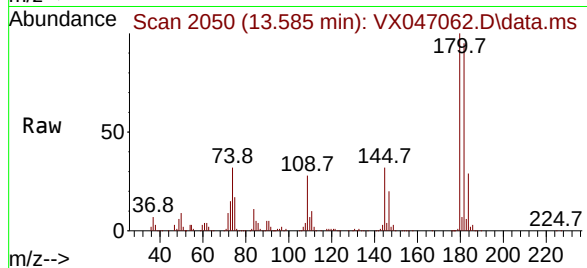
145 31.9 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/22/2025

Supervised By :Mahesh Dadoda 07/22/2025



#94

Hexachlorobutadiene

Concen: 45.502 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX047062.D

Acq: 21 Jul 2025 13:17

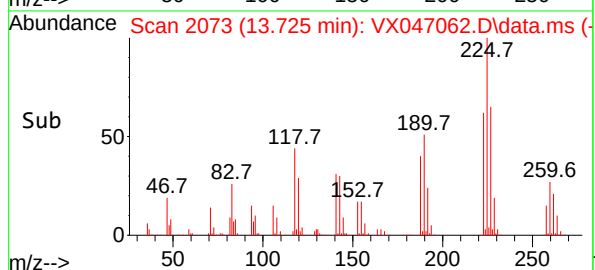
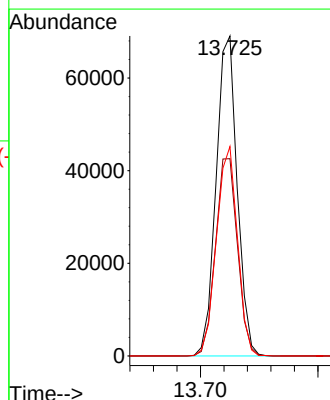
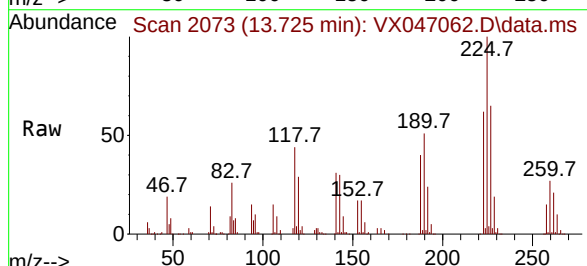
Tgt Ion:225 Resp: 86113

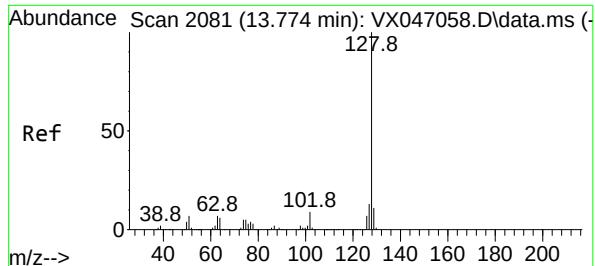
Ion Ratio Lower Upper

225 100

223 64.6 31.6 95.0

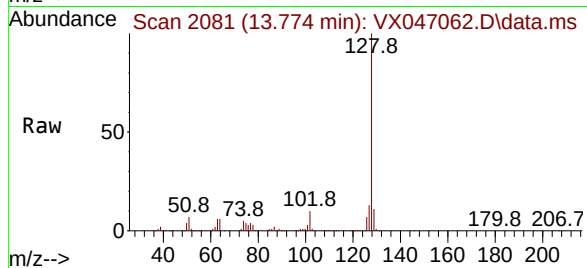
227 65.3 32.9 98.6





#95
Naphthalene
Concen: 46.304 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

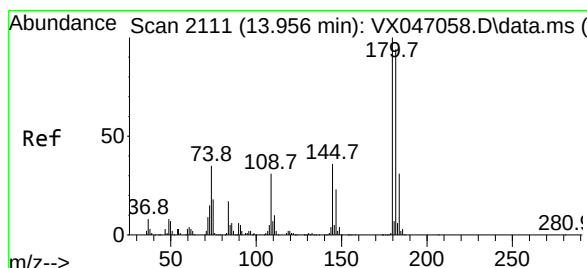
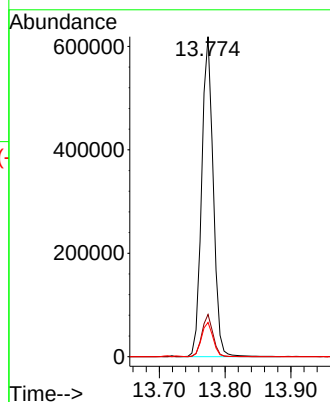
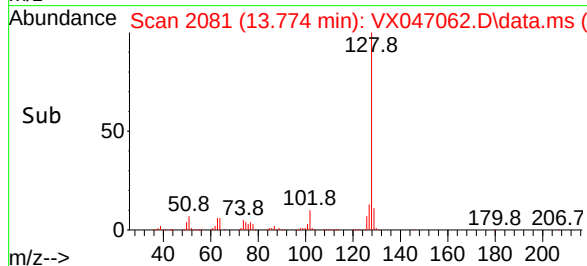
Instrument :
MSVOA_X
ClientSampleId :
ICVX072125



Tgt Ion:128 Resp: 75536
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.7 8.6 13.0

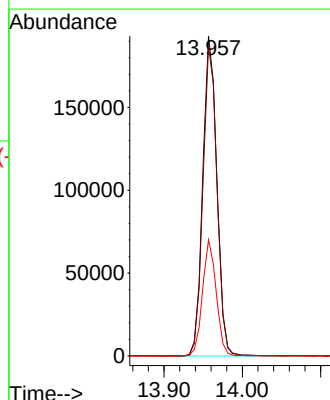
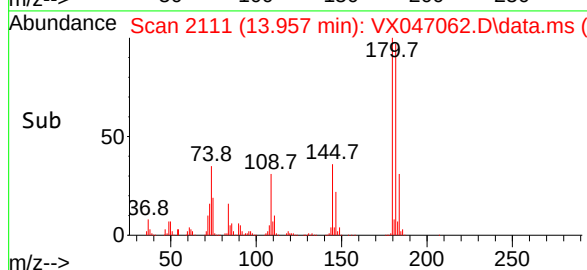
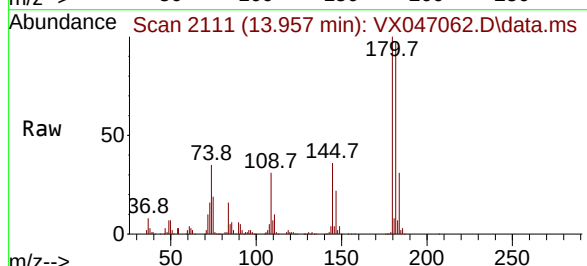
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 44.980 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:180 Resp: 241137
Ion Ratio Lower Upper
180 100
182 96.6 46.9 140.6
145 35.3 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX072125\
 Data File : VX047062.D
 Acq On : 21 Jul 2025 13:17
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072125

Quant Time: Jul 22 04:01:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	114	-0.01
2 T	Dichlorodifluoromethane	50.000	51.252	-2.5	101	0.00
3 P	Chloromethane	50.000	47.383	5.2	102	0.00
4 C	Vinyl Chloride	50.000	48.838	2.3#	101	0.00
5 T	Bromomethane	50.000	56.435	-12.9	110	0.00
6 T	Chloroethane	50.000	44.676	10.6	101	0.00
7 T	Trichlorofluoromethane	50.000	47.552	4.9	99	0.00
8 T	Diethyl Ether	50.000	46.477	7.0	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.104	5.8	101	0.00
10 T	Methyl Iodide	50.000	45.047	9.9	91	0.00
11 T	Tert butyl alcohol	250.000	207.194	17.1	95	0.00
12 CM	1,1-Dichloroethene	50.000	46.555	6.9#	99	0.00
13 T	Acrolein	250.000	208.477	16.6	92	0.00
14 T	Allyl chloride	50.000	46.743	6.5	98	0.00
15 T	Acrylonitrile	250.000	230.845	7.7	95	0.00
16 T	Acetone	250.000	230.823	7.7	105	0.00
17 T	Carbon Disulfide	50.000	45.742	8.5	98	0.00
18 T	Methyl Acetate	50.000	44.045	11.9	97	0.00
19 T	Methyl tert-butyl Ether	50.000	45.291	9.4	96	0.00
20 T	Methylene Chloride	50.000	45.041	9.9	98	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.188	7.6	98	0.00
22 T	Diisopropyl ether	50.000	46.119	7.8	97	0.00
23 T	Vinyl Acetate	250.000	233.940	6.4	97	0.00
24 P	1,1-Dichloroethane	50.000	45.165	9.7	96	0.00
25 T	2-Butanone	250.000	218.892	12.4	93	0.00
26 T	2,2-Dichloropropane	50.000	46.290	7.4	102	0.00
27 T	cis-1,2-Dichloroethene	50.000	44.906	10.2	97	0.00
28 T	Bromochloromethane	50.000	47.168	5.7	99	0.00
29 T	Tetrahydrofuran	250.000	217.460	13.0	91	-0.01
30 C	Chloroform	50.000	43.731	12.5#	96	-0.01
31 T	Cyclohexane	50.000	43.618	12.8	96	0.00
32 T	1,1,1-Trichloroethane	50.000	44.331	11.3	97	-0.01
33 S	1,2-Dichloroethane-d4	50.000	40.022	20.0	99	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	115	0.00
35 S	Dibromofluoromethane	50.000	42.247	15.5	102	-0.01
36 T	1,1-Dichloropropene	50.000	43.463	13.1	96	0.00
37 T	Ethyl Acetate	50.000	42.381	15.2	93	0.00
38 T	Carbon Tetrachloride	50.000	44.259	11.5	96	-0.01
39 T	Methylcyclohexane	50.000	44.136	11.7	96	0.00
40 TM	Benzene	50.000	44.304	11.4	94	0.00
41 T	Methacrylonitrile	50.000	45.816	8.4	92	-0.01
42 TM	1,2-Dichloroethane	50.000	44.378	11.2	95	-0.01
43 T	Isopropyl Acetate	50.000	45.564	8.9	93	-0.01
44 TM	Trichloroethene	50.000	43.658	12.7	94	0.00
45 C	1,2-Dichloropropane	50.000	44.093	11.8#	95	0.00
46 T	Dibromomethane	50.000	45.121	9.8	95	0.00
47 T	Bromodichloromethane	50.000	44.463	11.1	94	0.00
48 T	Methyl methacrylate	50.000	42.505	15.0	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047062.D
 Acq On : 21 Jul 2025 13:17
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072125

Quant Time: Jul 22 04:01:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	916.760	8.3	95	0.00
50 S	Toluene-d8	50.000	40.102	19.8	100	0.00
51 T	4-Methyl-2-Pentanone	250.000	217.774	12.9	91	0.00
52 CM	Toluene	50.000	44.778	10.4#	95	0.00
53 T	t-1,3-Dichloropropene	50.000	45.444	9.1	95	0.00
54 T	cis-1,3-Dichloropropene	50.000	46.140	7.7	96	0.00
55 T	1,1,2-Trichloroethane	50.000	43.270	13.5	93	0.00
56 T	Ethyl methacrylate	50.000	46.334	7.3	93	0.00
57 T	1,3-Dichloropropane	50.000	43.350	13.3	93	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	225.188	9.9	93	0.00
59 T	2-Hexanone	250.000	228.755	8.5	91	0.00
60 T	Dibromochloromethane	50.000	44.239	11.5	95	0.00
61 T	1,2-Dibromoethane	50.000	43.202	13.6	92	0.00
62 S	4-Bromofluorobenzene	50.000	40.779	18.4	99	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	111	0.00
64 T	Tetrachloroethene	50.000	44.131	11.7	94	0.00
65 PM	Chlorobenzene	50.000	44.318	11.4	94	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	44.529	10.9	93	0.00
67 C	Ethyl Benzene	50.000	44.977	10.0#	93	0.00
68 T	m/p-Xylenes	100.000	89.564	10.4	93	0.00
69 T	o-Xylene	50.000	45.328	9.3	94	0.00
70 T	Styrene	50.000	45.618	8.8	93	0.00
71 P	Bromoform	50.000	44.106	11.8	90	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	110	0.00
73 T	Isopropylbenzene	50.000	46.708	6.6	94	0.00
74 T	N-ethyl acetate	50.000	46.238	7.5	90	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.037	9.9	92	0.00
76 T	1,2,3-Trichloropropane	50.000	46.113	7.8	94	0.00
77 T	Bromobenzene	50.000	46.441	7.1	95	0.00
78 T	n-propylbenzene	50.000	46.812	6.4	94	0.00
79 T	2-Chlorotoluene	50.000	45.702	8.6	93	0.00
80 T	1,3,5-Trimethylbenzene	50.000	46.187	7.6	94	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	45.380	9.2	91	0.00
82 T	4-Chlorotoluene	50.000	46.476	7.0	94	0.00
83 T	tert-Butylbenzene	50.000	46.942	6.1	94	0.00
84 T	1,2,4-Trimethylbenzene	50.000	46.741	6.5	93	0.00
85 T	sec-Butylbenzene	50.000	46.632	6.7	95	0.00
86 T	p-Isopropyltoluene	50.000	46.560	6.9	93	0.00
87 T	1,3-Dichlorobenzene	50.000	45.450	9.1	94	0.00
88 T	1,4-Dichlorobenzene	50.000	44.634	10.7	94	0.00
89 T	n-Butylbenzene	50.000	47.201	5.6	95	0.00
90 T	Hexachloroethane	50.000	46.667	6.7	95	0.00
91 T	1,2-Dichlorobenzene	50.000	44.320	11.4	91	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.904	10.2	89	0.00
93 T	1,2,4-Trichlorobenzene	50.000	46.990	6.0	95	0.00
94 T	Hexachlorobutadiene	50.000	45.502	9.0	95	0.00
95 T	Naphthalene	50.000	46.304	7.4	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.980	10.0	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047062.D
 Acq On : 21 Jul 2025 13:17
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072125

Quant Time: Jul 22 04:01:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	114	-0.01
2 T	Dichlorodifluoromethane	0.664	0.681	-2.6	101	0.00
3 P	Chloromethane	0.657	0.623	5.2	102	0.00
4 C	Vinyl Chloride	0.706	0.690	2.3#	101	0.00
5 T	Bromomethane	0.384	0.433	-12.8	110	0.00
6 T	Chloroethane	0.464	0.414	10.8	101	0.00
7 T	Trichlorofluoromethane	1.053	1.001	4.9	99	0.00
8 T	Diethyl Ether	0.371	0.345	7.0	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.634	0.598	5.7	101	0.00
10 T	Methyl Iodide	0.647	0.583	9.9	91	0.00
11 T	Tert butyl alcohol	0.080	0.061	23.8	95	0.00
12 CM	1,1-Dichloroethene	0.628	0.585	6.8#	99	0.00
13 T	Acrolein	0.134	0.112	16.4	92	0.00
14 T	Allyl chloride	1.136	1.062	6.5	98	0.00
15 T	Acrylonitrile	0.297	0.274	7.7	95	0.00
16 T	Acetone	0.250	0.230	8.0	105	0.00
17 T	Carbon Disulfide	1.818	1.663	8.5	98	0.00
18 T	Methyl Acetate	0.663	0.584	11.9	97	0.00
19 T	Methyl tert-butyl Ether	1.912	1.732	9.4	96	0.00
20 T	Methylene Chloride	0.686	0.618	9.9	98	0.00
21 T	trans-1,2-Dichloroethene	0.643	0.594	7.6	98	0.00
22 T	Diisopropyl ether	2.184	2.014	7.8	97	0.00
23 T	Vinyl Acetate	1.752	1.639	6.4	97	0.00
24 P	1,1-Dichloroethane	1.214	1.097	9.6	96	0.00
25 T	2-Butanone	0.363	0.318	12.4	93	0.00
26 T	2,2-Dichloropropane	0.940	0.870	7.4	102	0.00
27 T	cis-1,2-Dichloroethene	0.761	0.684	10.1	97	0.00
28 T	Bromochloromethane	0.559	0.527	5.7	99	0.00
29 T	Tetrahydrofuran	0.234	0.204	12.8	91	-0.01
30 C	Chloroform	1.236	1.081	12.5#	96	-0.01
31 T	Cyclohexane	1.164	1.016	12.7	96	0.00
32 T	1,1,1-Trichloroethane	1.074	0.952	11.4	97	-0.01
33 S	1,2-Dichloroethane-d4	0.623	0.499	19.9	99	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	115	0.00
35 S	Dibromofluoromethane	0.309	0.261	15.5	102	-0.01
36 T	1,1-Dichloropropene	0.526	0.457	13.1	96	0.00
37 T	Ethyl Acetate	0.485	0.411	15.3	93	0.00
38 T	Carbon Tetrachloride	0.562	0.497	11.6	96	-0.01
39 T	Methylcyclohexane	0.657	0.580	11.7	96	0.00
40 TM	Benzene	1.523	1.349	11.4	94	0.00
41 T	Methacrylonitrile	0.254	0.232	8.7	92	-0.01
42 TM	1,2-Dichloroethane	0.536	0.476	11.2	95	-0.01
43 T	Isopropyl Acetate	0.756	0.689	8.9	93	-0.01
44 TM	Trichloroethene	0.391	0.341	12.8	94	0.00
45 C	1,2-Dichloropropane	0.381	0.336	11.8#	95	0.00
46 T	Dibromomethane	0.267	0.241	9.7	95	0.00
47 T	Bromodichloromethane	0.569	0.506	11.1	94	0.00
48 T	Methyl methacrylate	0.412	0.350	15.0	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047062.D
 Acq On : 21 Jul 2025 13:17
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX072125

Quant Time: Jul 22 04:01:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.005	0.004	20.0	95	0.00
50 S	Toluene-d8	1.000	0.802	19.8	100	0.00
51 T	4-Methyl-2-Pentanone	0.449	0.391	12.9	91	0.00
52 CM	Toluene	0.936	0.839	10.4#	95	0.00
53 T	t-1,3-Dichloropropene	0.538	0.489	9.1	95	0.00
54 T	cis-1,3-Dichloropropene	0.588	0.543	7.7	96	0.00
55 T	1,1,2-Trichloroethane	0.351	0.304	13.4	93	0.00
56 T	Ethyl methacrylate	0.520	0.482	7.3	93	0.00
57 T	1,3-Dichloropropane	0.610	0.529	13.3	93	0.00
58 T	2-Chloroethyl Vinyl ether	0.289	0.261	9.7	93	0.00
59 T	2-Hexanone	0.297	0.272	8.4	91	0.00
60 T	Dibromochloromethane	0.412	0.364	11.7	95	0.00
61 T	1,2-Dibromoethane	0.367	0.317	13.6	92	0.00
62 S	4-Bromofluorobenzene	0.431	0.351	18.6	99	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00
64 T	Tetrachloroethene	0.360	0.318	11.7	94	0.00
65 PM	Chlorobenzene	1.171	1.038	11.4	94	0.00
66 T	1,1,1,2-Tetrachloroethane	0.394	0.351	10.9	93	0.00
67 C	Ethyl Benzene	2.048	1.842	10.1#	93	0.00
68 T	m/p-Xylenes	0.766	0.686	10.4	93	0.00
69 T	o-Xylene	0.729	0.661	9.3	94	0.00
70 T	Styrene	1.250	1.141	8.7	93	0.00
71 P	Bromoform	0.300	0.264	12.0	90	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
73 T	Isopropylbenzene	3.945	3.685	6.6	94	0.00
74 T	N-amyl acetate	1.592	1.472	7.5	90	0.00
75 P	1,1,2,2-Tetrachloroethane	1.127	1.015	9.9	92	0.00
76 T	1,2,3-Trichloropropane	0.925	0.854	7.7	94	0.00
77 T	Bromobenzene	0.946	0.879	7.1	95	0.00
78 T	n-propylbenzene	4.714	4.413	6.4	94	0.00
79 T	2-Chlorotoluene	2.818	2.576	8.6	93	0.00
80 T	1,3,5-Trimethylbenzene	3.259	3.010	7.6	94	0.00
81 T	trans-1,4-Dichloro-2-butene	0.359	0.326	9.2	91	0.00
82 T	4-Chlorotoluene	3.289	3.057	7.1	94	0.00
83 T	tert-Butylbenzene	3.271	3.071	6.1	94	0.00
84 T	1,2,4-Trimethylbenzene	3.251	3.039	6.5	93	0.00
85 T	sec-Butylbenzene	4.087	3.812	6.7	95	0.00
86 T	p-Isopropyltoluene	3.389	3.156	6.9	93	0.00
87 T	1,3-Dichlorobenzene	1.798	1.634	9.1	94	0.00
88 T	1,4-Dichlorobenzene	1.821	1.626	10.7	94	0.00
89 T	n-Butylbenzene	3.178	3.000	5.6	95	0.00
90 T	Hexachloroethane	0.606	0.566	6.6	95	0.00
91 T	1,2-Dichlorobenzene	1.718	1.523	11.4	91	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.216	0.194	10.2	89	0.00
93 T	1,2,4-Trichlorobenzene	1.135	1.067	6.0	95	0.00
94 T	Hexachlorobutadiene	0.386	0.351	9.1	95	0.00
95 T	Naphthalene	3.328	3.082	7.4	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.094	0.984	10.1	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CORE02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2681</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>07/28/2025 09:23</u>
Lab File ID:	<u>VX047152.D</u>	Init. Calib. Date(s):	<u>07/21/2025 07/21/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:47 11:32</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.706	0.718		1.7	20
1,1-Dichloroethene	0.628	0.597		-4.94	20
2-Butanone	0.363	0.326		-10.19	20
Carbon Tetrachloride	0.562	0.512		-8.9	20
Chloroform	1.236	1.131		-8.49	20
Benzene	1.523	1.374		-9.78	20
1,2-Dichloroethane	0.536	0.489		-8.77	20
Trichloroethene	0.391	0.343		-12.28	20
Tetrachloroethene	0.360	0.318		-11.67	20
Chlorobenzene	1.171	1.050	0.3	-10.33	20
1,2-Dichloroethane-d4	0.623	0.583		-6.42	20
Dibromofluoromethane	0.309	0.303		-1.94	20
Toluene-d8	1.000	0.902		-9.8	20
4-Bromofluorobenzene	0.431	0.402		-6.73	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047152.D
 Acq On : 28 Jul 2025 09:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/29/2025
 Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:09:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	347966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	583631	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	509126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	238942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	202916	46.814	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.620%		
35) Dibromofluoromethane	5.391	113	177067	49.137	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.280%		
50) Toluene-d8	8.647	98	526682	45.131	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.260%#		
62) 4-Bromofluorobenzene	11.079	95	234836	46.695	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	234453	50.727	ug/l	98
3) Chloromethane	1.313	50	192053	42.008	ug/l	97
4) Vinyl Chloride	1.392	62	249970	50.863	ug/l	99
5) Bromomethane	1.630	94	124616	46.679	ug/l	98
6) Chloroethane	1.703	64	140895	43.650	ug/l	97
7) Trichlorofluoromethane	1.904	101	358211	48.881	ug/l	96
8) Diethyl Ether	2.142	74	123686	47.869	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	213840	48.434	ug/l	100
10) Methyl Iodide	2.471	142	297054	66.016	ug/l	99
11) Tert butyl alcohol	2.953	59	104035	203.399	ug/l	99
12) 1,1-Dichloroethene	2.337	96	207774	47.514	ug/l	98
13) Acrolein	2.246	56	229581	245.986	ug/l	99
14) Allyl chloride	2.678	41	358255	45.322	ug/l	95
15) Acrylonitrile	3.075	53	452733	219.000	ug/l	100
16) Acetone	2.386	43	492008	283.344	ug/l	100
17) Carbon Disulfide	2.526	76	563714	44.560	ug/l	99
18) Methyl Acetate	2.709	43	225072	48.775	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	643560	48.357	ug/l	98
20) Methylene Chloride	2.800	84	218192	45.675	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	208630	46.623	ug/l	99
22) Diisopropyl ether	3.764	45	731167	48.111	ug/l	97
23) Vinyl Acetate	3.727	43	2918062	239.393	ug/l	100
24) 1,1-Dichloroethane	3.617	63	397582	47.046	ug/l	100
25) 2-Butanone	4.556	43	567068	224.280	ug/l	99
26) 2,2-Dichloropropane	4.483	77	330199	50.475	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	243684	45.987	ug/l	99
28) Bromochloromethane	4.904	49	182498	46.939	ug/l	99
29) Tetrahydrofuran	5.007	42	334587	205.097	ug/l	98
30) Chloroform	5.093	83	393579	45.752	ug/l	100
31) Cyclohexane	5.477	56	357107	44.070	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	350193	46.868	ug/l	99
36) 1,1-Dichloropropene	5.702	75	266657	43.412	ug/l	99
37) Ethyl Acetate	4.715	43	249047	44.001	ug/l	100
38) Carbon Tetrachloride	5.684	117	298960	45.601	ug/l	99
39) Methylcyclohexane	7.385	83	345212	45.012	ug/l	98
40) Benzene	6.044	78	801930	45.112	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047152.D
 Acq On : 28 Jul 2025 09:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:09:41 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M

Quant Title : SW846 8260

QLast Update : Tue Jul 22 03:59:51 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	129571m	43.782	ug/l	
42) 1,2-Dichloroethane	6.086	62	285625	45.613	ug/l	98
43) Isopropyl Acetate	6.336	43	409240	46.379	ug/l	99
44) Trichloroethene	7.129	130	200167	43.911	ug/l	97
45) 1,2-Dichloropropane	7.428	63	202882	45.568	ug/l	98
46) Dibromomethane	7.580	93	144317	46.223	ug/l	99
47) Bromodichloromethane	7.818	83	309460	46.566	ug/l	97
48) Methyl methacrylate	7.690	41	209392	43.560	ug/l	99
49) 1,4-Dioxane	7.720	88	46784	855.709	ug/l #	91
51) 4-Methyl-2-Pentanone	8.568	43	1117833	213.132	ug/l	100
52) Toluene	8.714	92	490903	44.912	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	299012	47.648	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	323069	47.037	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	183401	44.741	ug/l	98
56) Ethyl methacrylate	9.116	69	286972	47.289	ug/l	100
57) 1,3-Dichloropropane	9.305	76	314556	44.153	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	725686	214.896	ug/l	100
59) 2-Hexanone	9.427	43	772694	222.991	ug/l	99
60) Dibromochloromethane	9.519	129	223434	46.475	ug/l	99
61) 1,2-Dibromoethane	9.604	107	184928	43.145	ug/l	98
64) Tetrachloroethene	9.269	164	161651	44.044	ug/l	93
65) Chlorobenzene	10.073	112	534465	44.811	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	186922	46.549	ug/l	99
67) Ethyl Benzene	10.189	91	952979	45.698	ug/l	98
68) m/p-Xylenes	10.299	106	707744	90.690	ug/l	100
69) o-Xylene	10.640	106	339720	45.759	ug/l	99
70) Styrene	10.653	104	593341	46.608	ug/l	99
71) Bromoform	10.799	173	141410	46.358	ug/l	100
73) Isopropylbenzene	10.957	105	902188	47.859	ug/l	100
74) N-amyl acetate	10.842	43	348863	45.866	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	243932	45.301	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	199438m	45.094	ug/l	
77) Bromobenzene	11.195	156	213486	47.216	ug/l	99
78) n-propylbenzene	11.299	91	1065137	47.283	ug/l	100
79) 2-Chlorotoluene	11.360	91	628663	46.686	ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	735251	47.211	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	56166	32.719	ug/l	99
82) 4-Chlorotoluene	11.451	91	742930	47.268	ug/l	99
83) tert-Butylbenzene	11.713	119	751394	48.070	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	735683	47.360	ug/l	99
85) sec-Butylbenzene	11.890	105	913056	46.750	ug/l	100
86) p-Isopropyltoluene	12.006	119	769018	47.481	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	394408	45.908	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	396440	45.547	ug/l	97
89) n-Butylbenzene	12.329	91	717648	47.248	ug/l	99
90) Hexachloroethane	12.536	117	144057	49.718	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	370762	45.154	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	48536	46.958	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	249966	46.076	ug/l	99
94) Hexachlorobutadiene	13.719	225	84859	45.994	ug/l	98
95) Naphthalene	13.774	128	736500	46.309	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	238122	45.561	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
Data File : VX047152.D
Acq On : 28 Jul 2025 09:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:09:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

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

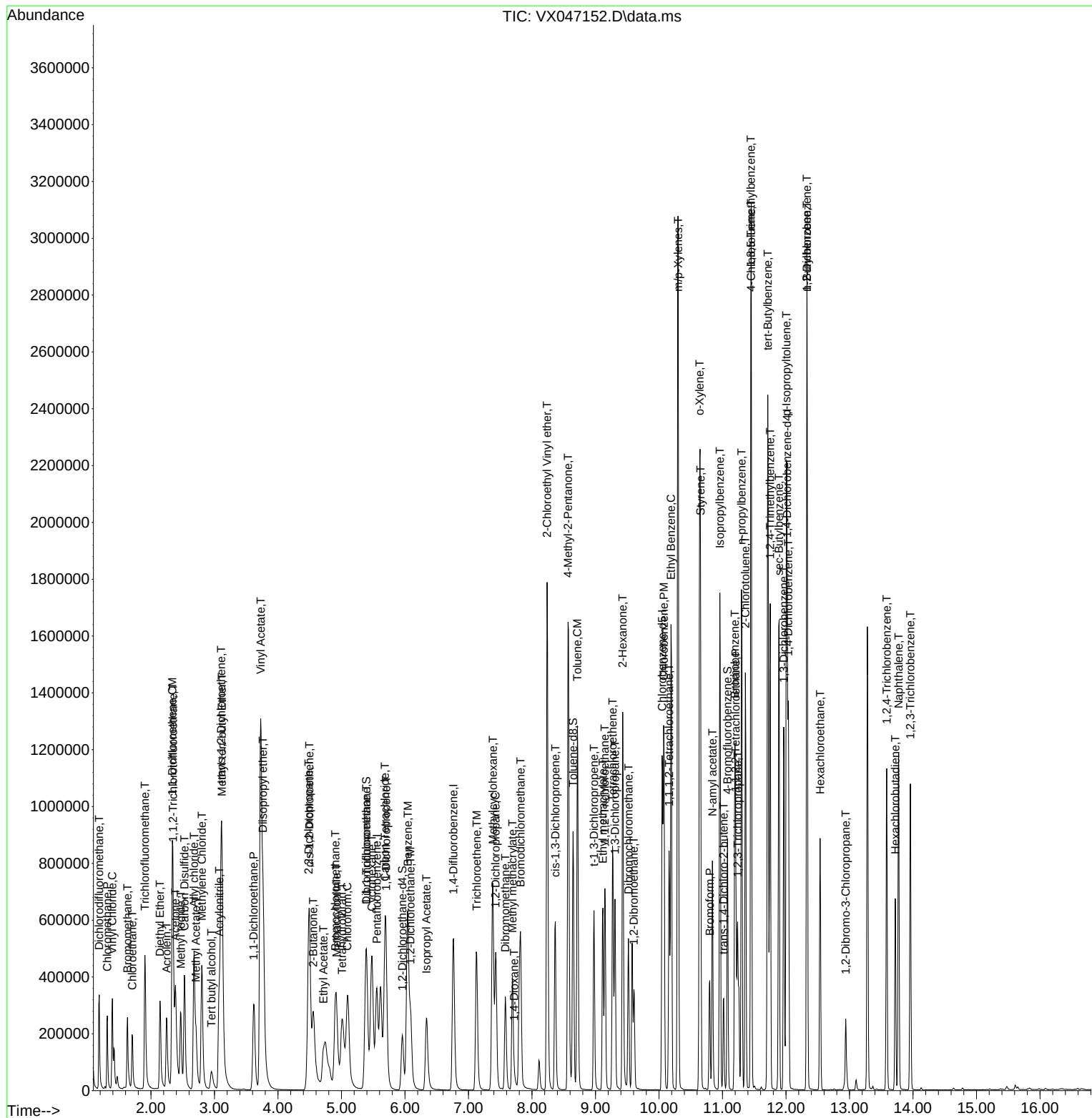
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047152.D
 Acq On : 28 Jul 2025 09:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

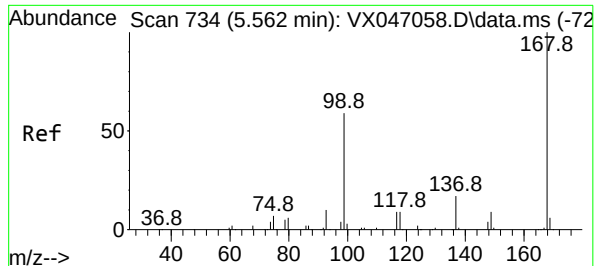
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 29 02:09:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

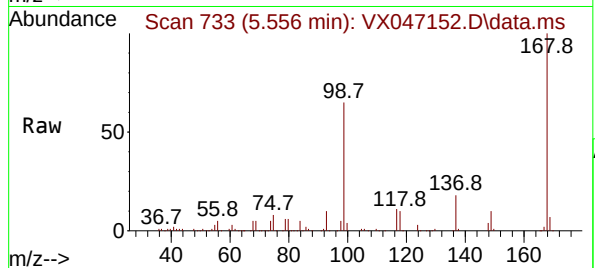
Reviewed By :John Carlone 07/29/2025
 Supervised By :Mahesh Dadoda 07/29/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

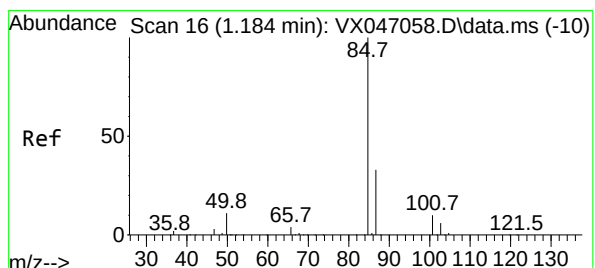
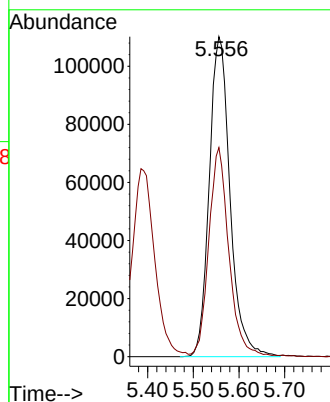
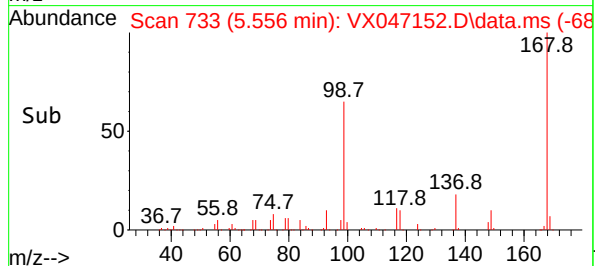
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 347960
Ion Ratio Lower Upper
168 100
99 65.0 48.0 72.0

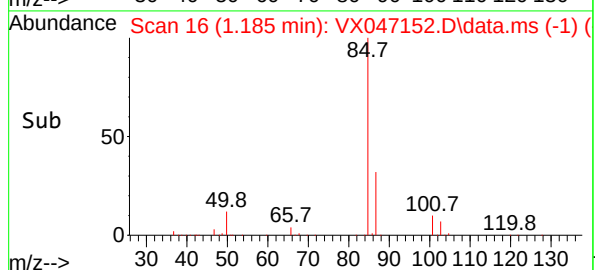
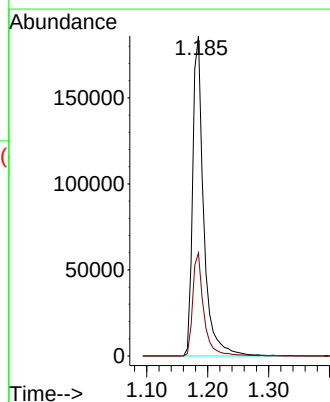
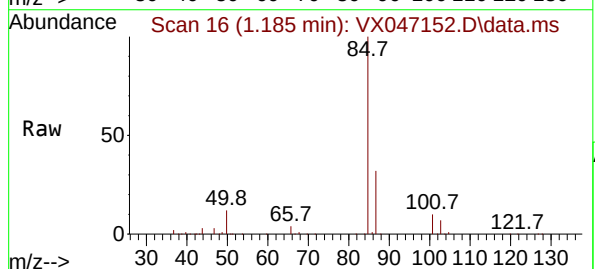
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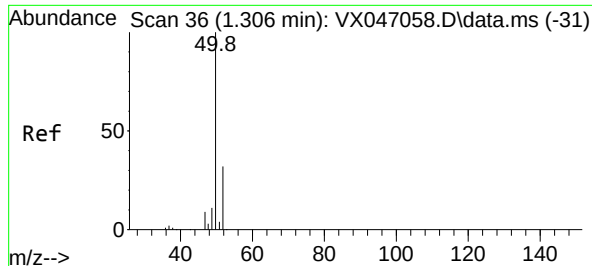
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#2
Dichlorodifluoromethane
Concen: 50.727 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.001 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion: 85 Resp: 234453
Ion Ratio Lower Upper
85 100
87 32.2 16.6 49.8





#3

Chloromethane

Concen: 42.008 ug/l

RT: 1.313 min Scan# 31

Delta R.T. 0.007 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 19205

Ion Ratio Lower Upper

50 100

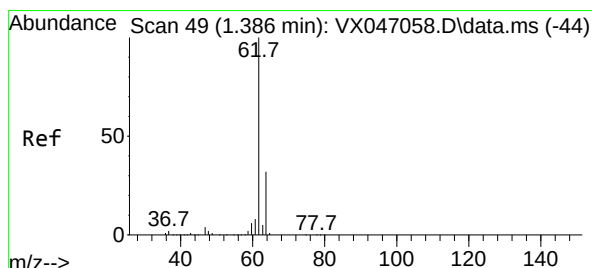
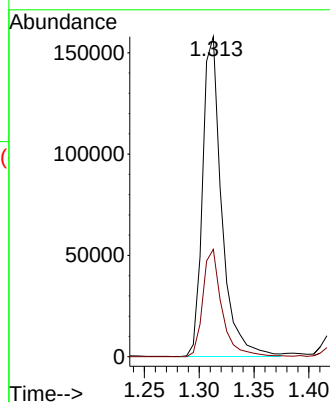
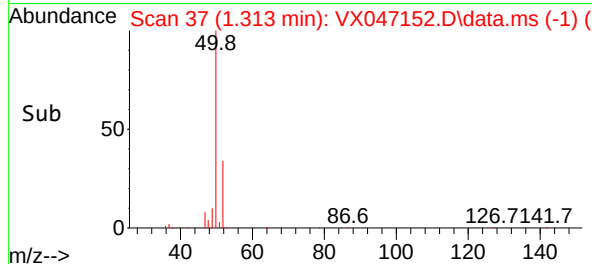
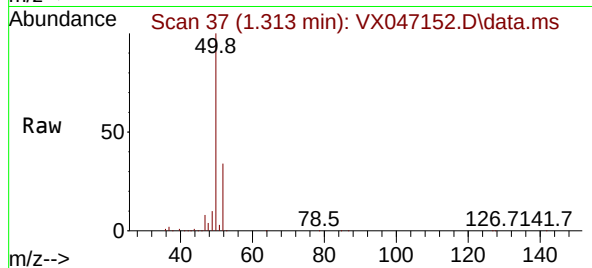
52 33.5 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#4

Vinyl Chloride

Concen: 50.863 ug/l

RT: 1.392 min Scan# 50

Delta R.T. 0.007 min

Lab File: VX047152.D

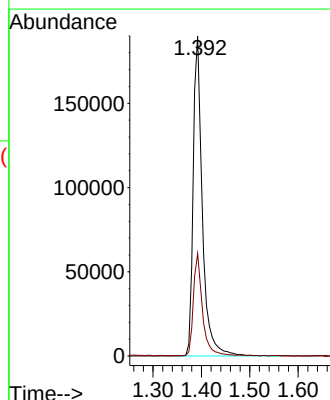
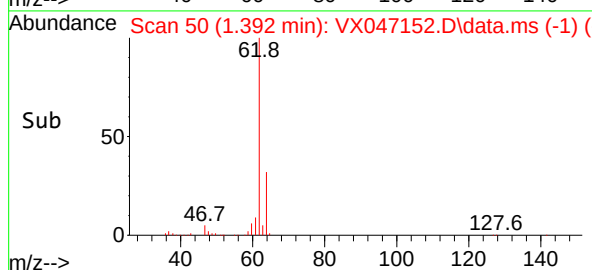
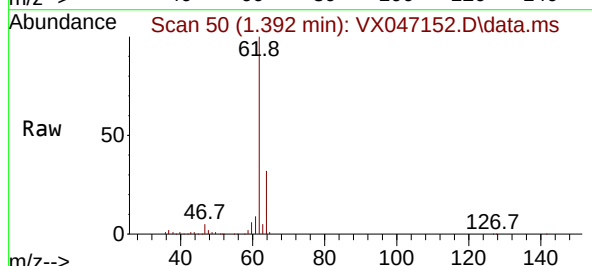
Acq: 28 Jul 2025 09:23

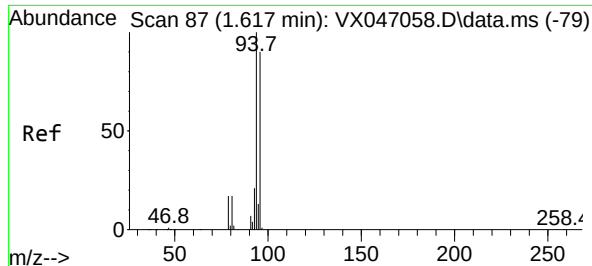
Tgt Ion: 62 Resp: 249970

Ion Ratio Lower Upper

62 100

64 31.9 25.2 37.8





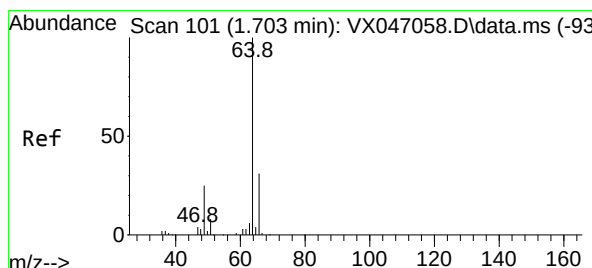
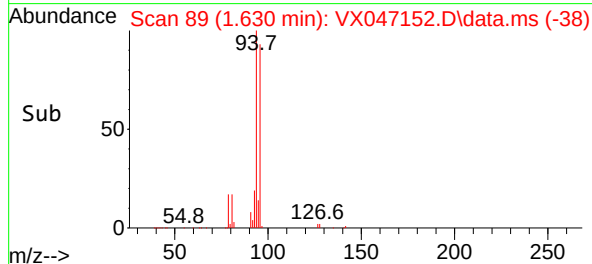
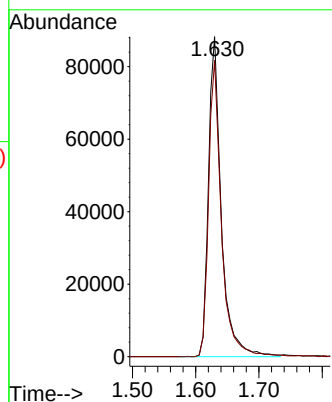
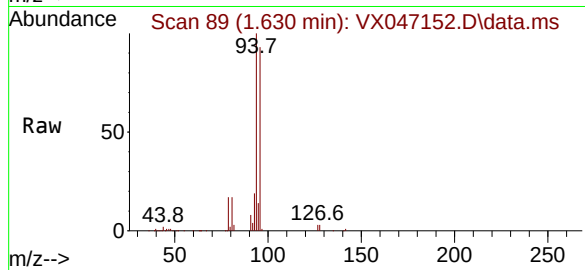
#5
Bromomethane
Concen: 46.679 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.013 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 124610
Ion Ratio Lower Upper
94 100
96 92.6 72.3 108.5

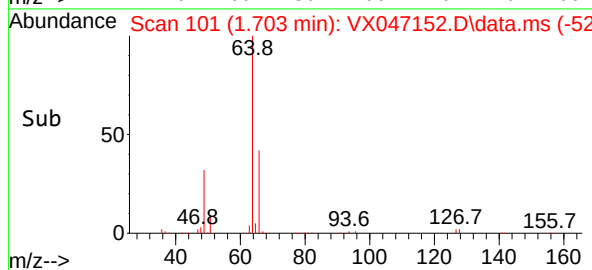
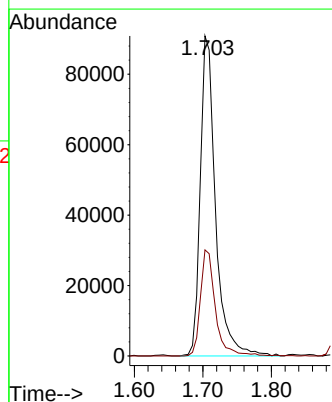
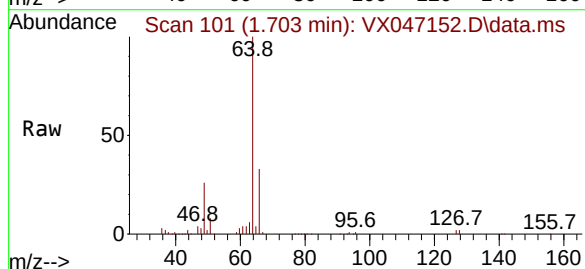
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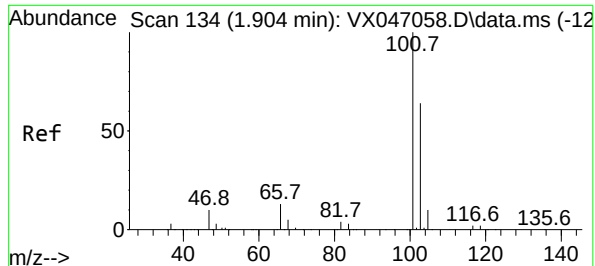
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#6
Chloroethane
Concen: 43.650 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.001 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

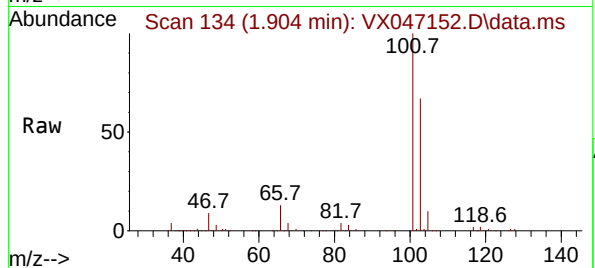
Tgt Ion: 64 Resp: 140895
Ion Ratio Lower Upper
64 100
66 33.1 25.0 37.6





#7
Trichlorofluoromethane
Concen: 48.881 ug/l
RT: 1.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

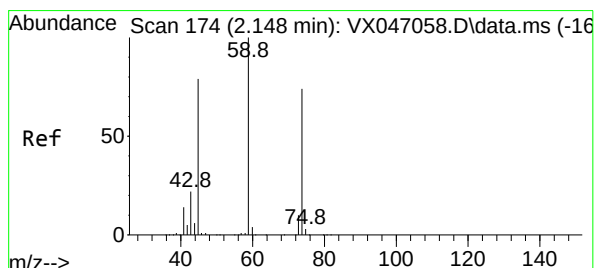
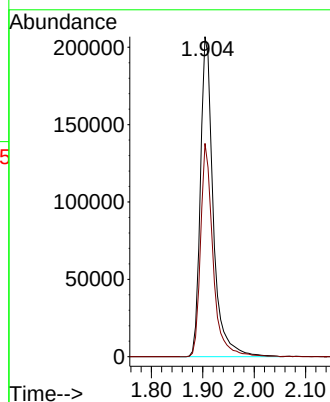
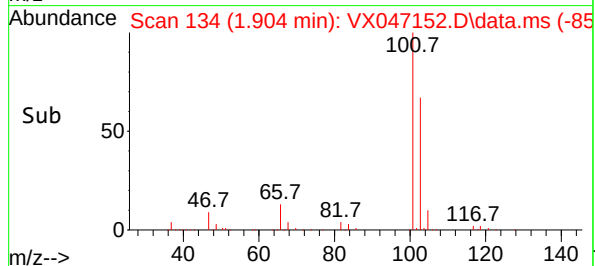
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 35821
Ion Ratio Lower Upper
101 100
103 66.7 50.9 76.3

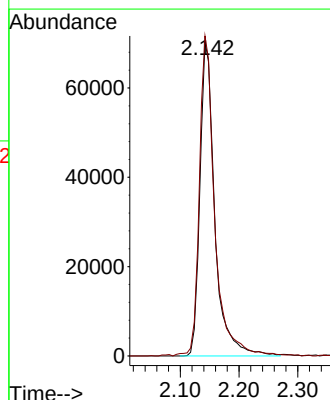
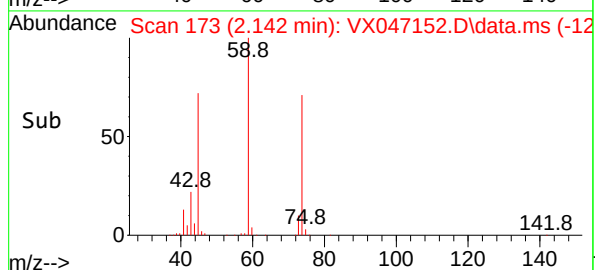
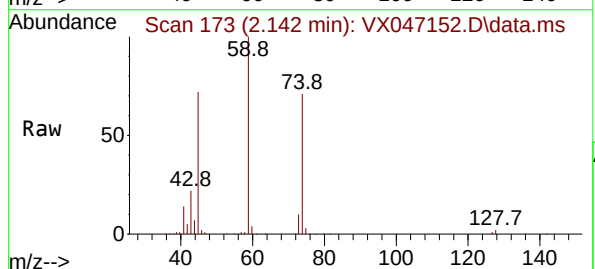
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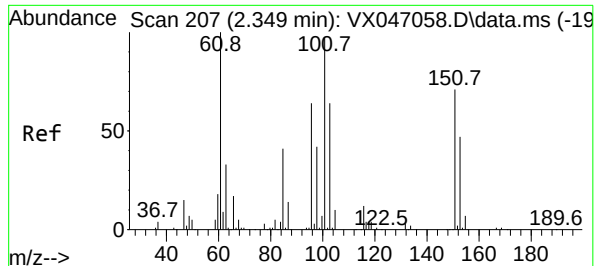
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#8
Diethyl Ether
Concen: 47.869 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion: 74 Resp: 123686
Ion Ratio Lower Upper
74 100
45 105.2 53.0 159.0





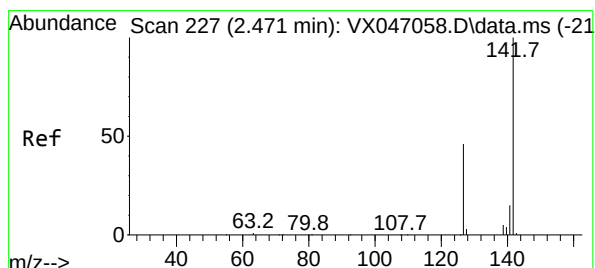
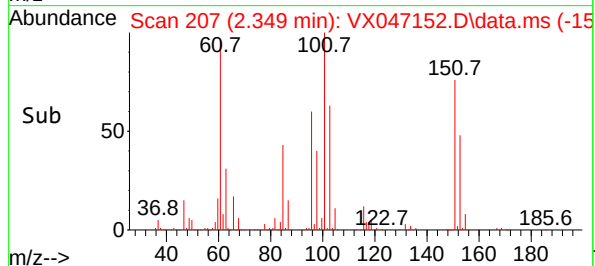
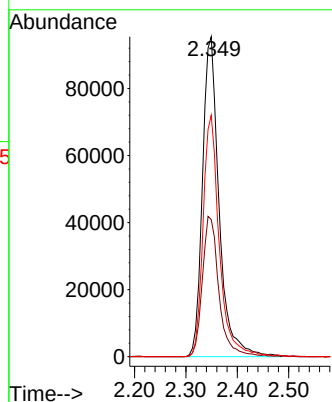
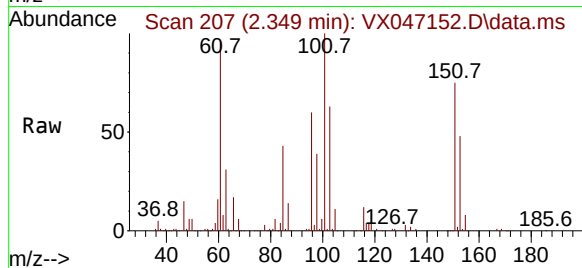
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.434 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 213840
Ion Ratio Lower Upper
101 100
85 44.1 35.4 53.0
151 73.7 59.2 88.8

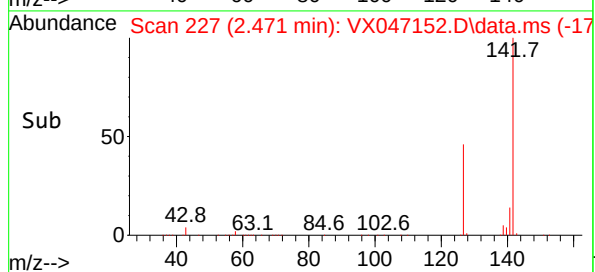
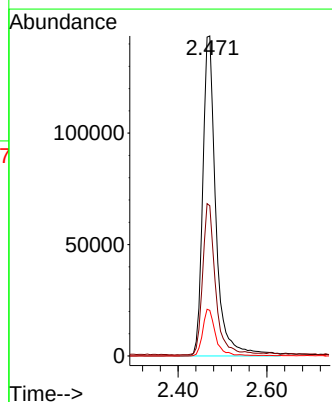
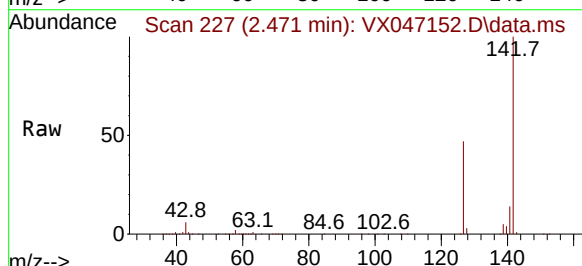
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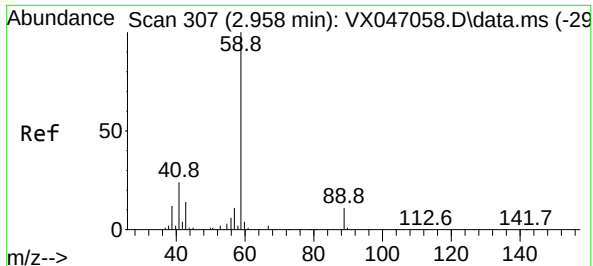
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#10
Methyl Iodide
Concen: 66.016 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.001 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion:142 Resp: 297054
Ion Ratio Lower Upper
142 100
127 46.5 36.6 54.8
141 14.3 10.9 16.3





#11

Tert butyl alcohol

Concen: 203.399 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.005 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 104035

Ion Ratio Lower Upper

59 100

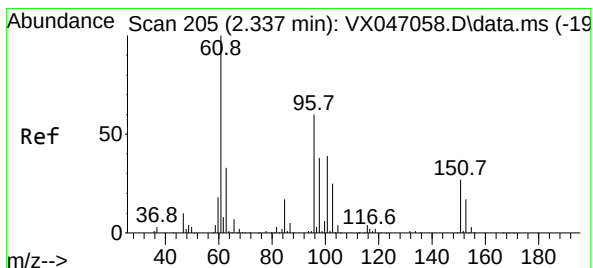
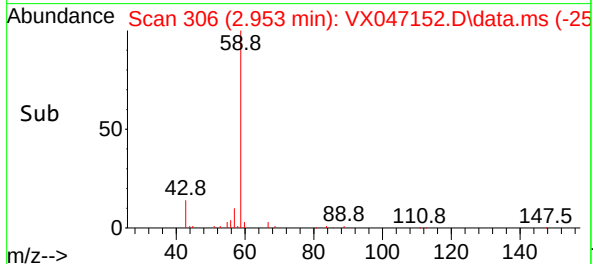
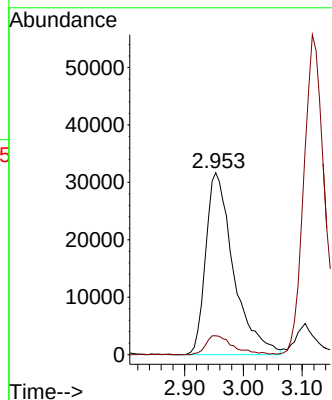
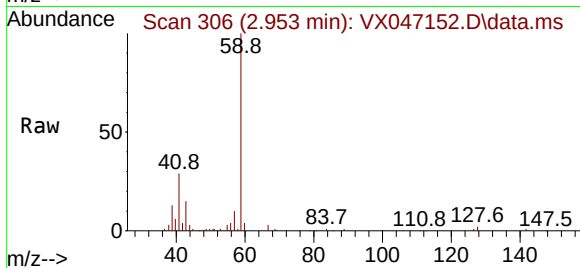
57 10.4 8.5 12.7

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#12

1,1-Dichloroethene

Concen: 47.514 ug/l

RT: 2.337 min Scan# 205

Delta R.T. 0.001 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

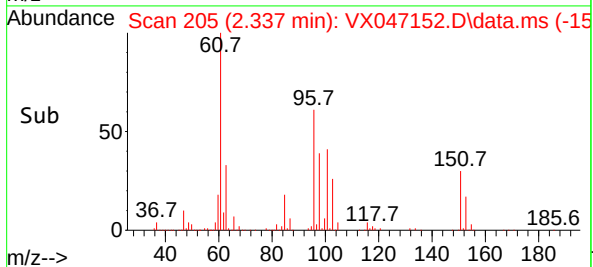
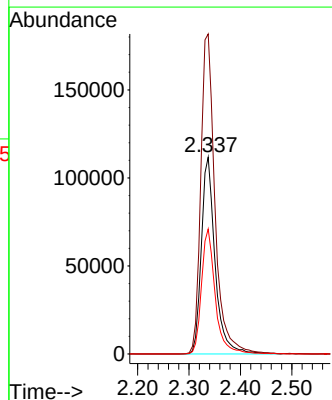
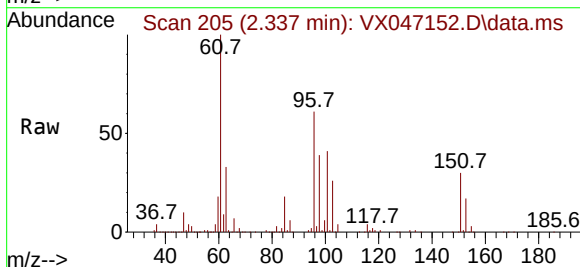
Tgt Ion: 96 Resp: 207774

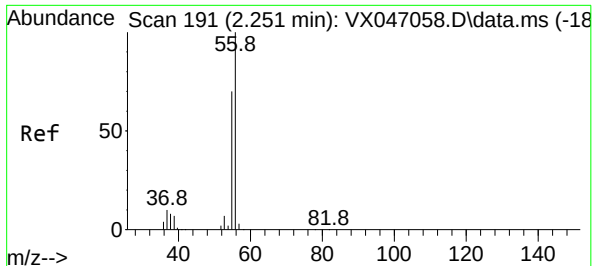
Ion Ratio Lower Upper

96 100

61 162.6 132.6 198.8

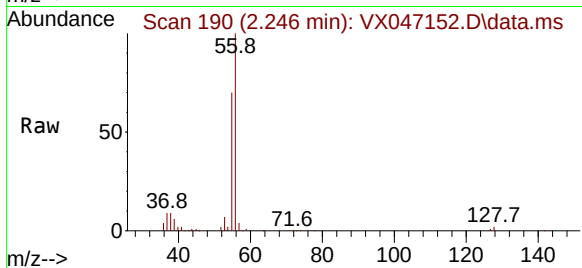
98 63.5 50.2 75.4





#13
Acrolein
Concen: 245.986 ug/l
RT: 2.246 min Scan# 191
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

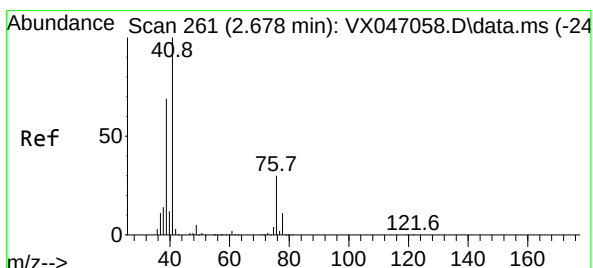
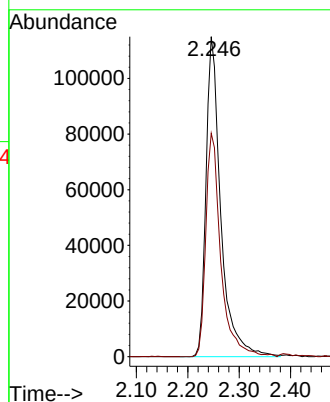
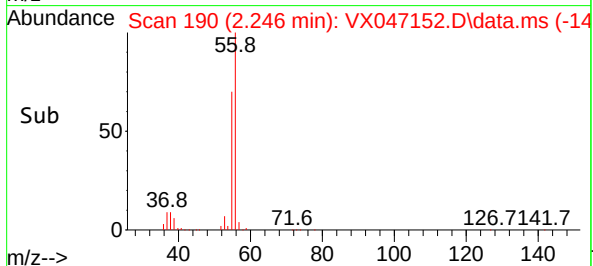
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 22958
Ion Ratio Lower Upper
56 100
55 70.8 55.7 83.5

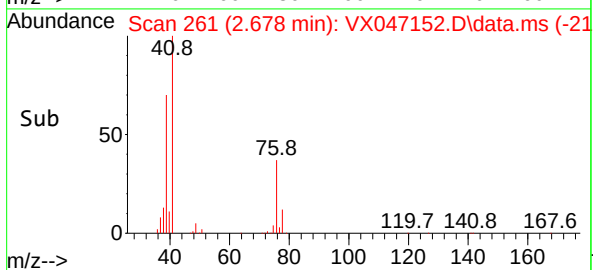
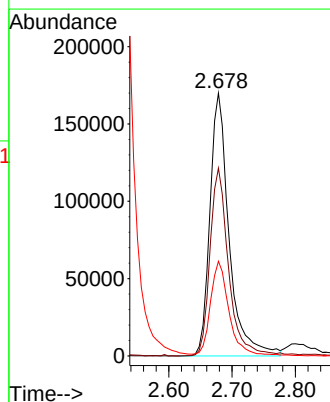
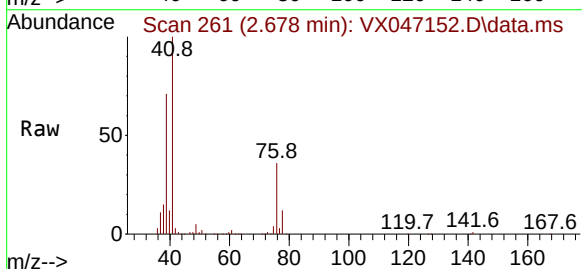
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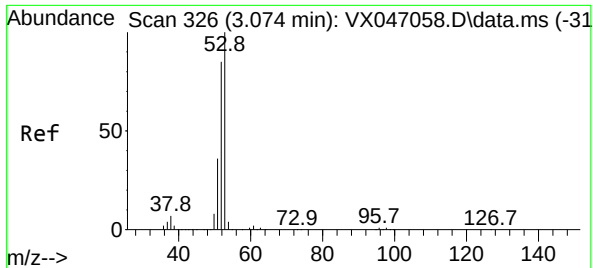
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#14
Allyl chloride
Concen: 45.322 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion: 41 Resp: 358255
Ion Ratio Lower Upper
41 100
39 69.8 52.6 78.8
76 35.2 25.7 38.5





#15

Acrylonitrile

Concen: 219.000 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.001 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 45273

Ion Ratio Lower Upper

53 100

52 82.5 65.7 98.5

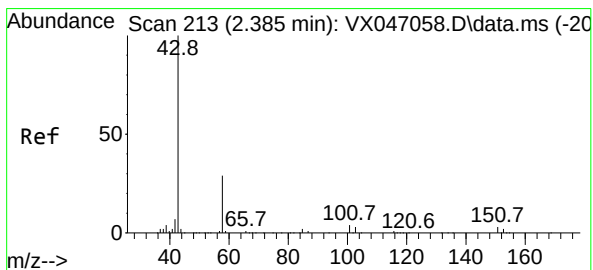
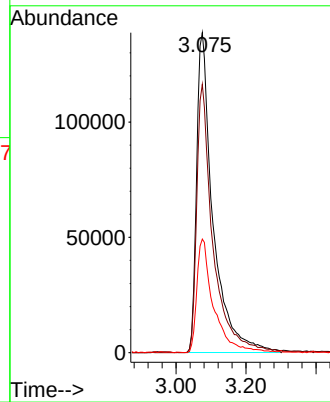
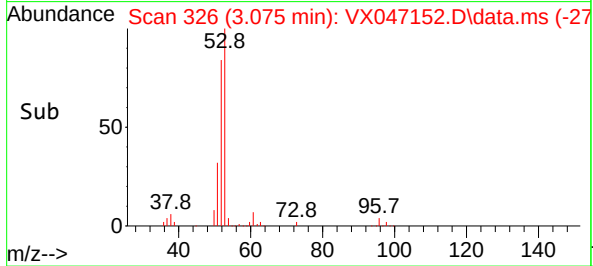
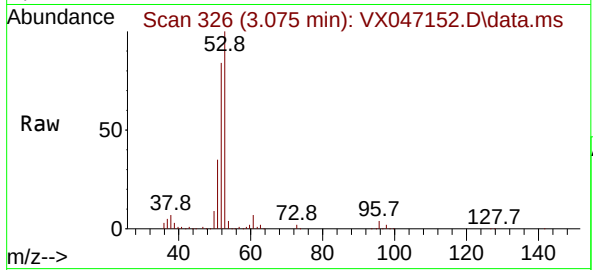
51 36.2 28.8 43.2

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#16

Acetone

Concen: 283.344 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX047152.D

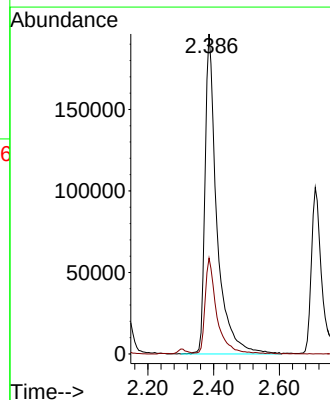
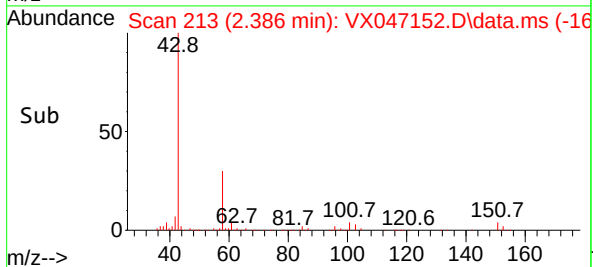
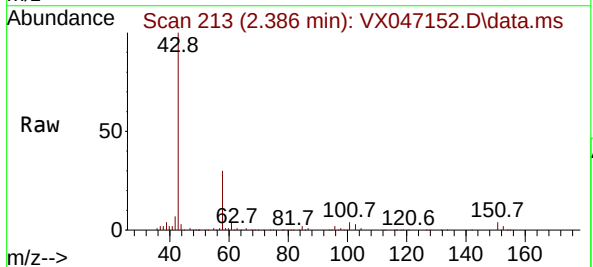
Acq: 28 Jul 2025 09:23

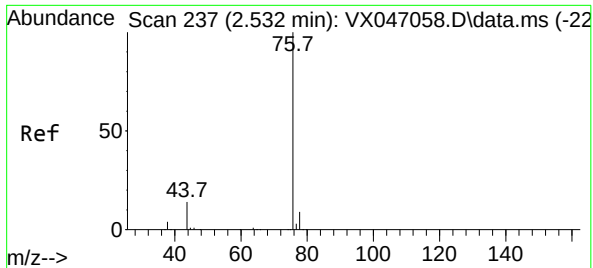
Tgt Ion: 43 Resp: 492008

Ion Ratio Lower Upper

43 100

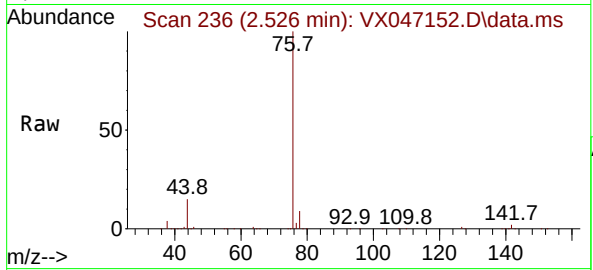
58 29.9 24.0 36.0





#17
Carbon Disulfide
Concen: 44.560 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

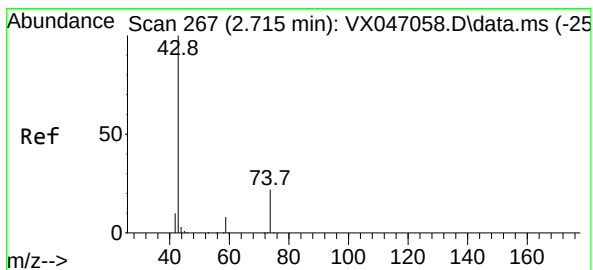
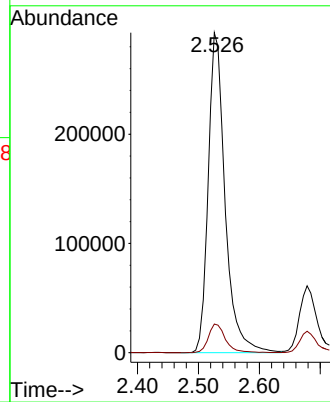
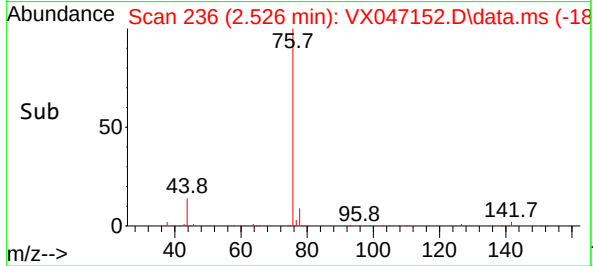
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 563714
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4

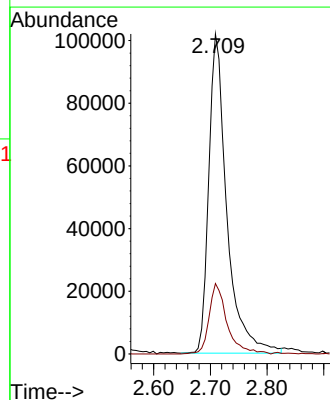
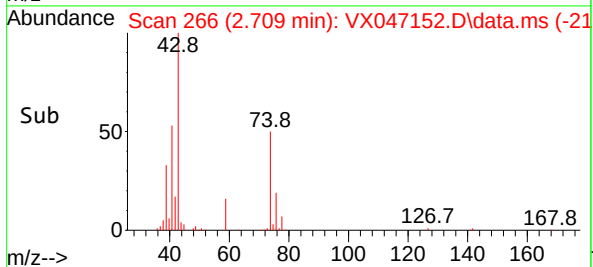
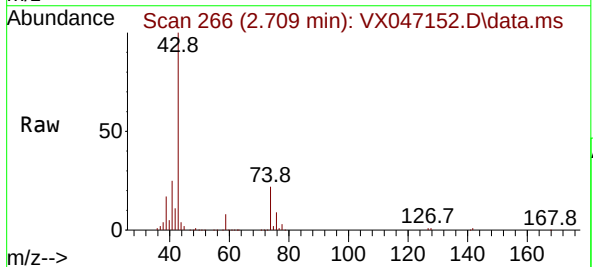
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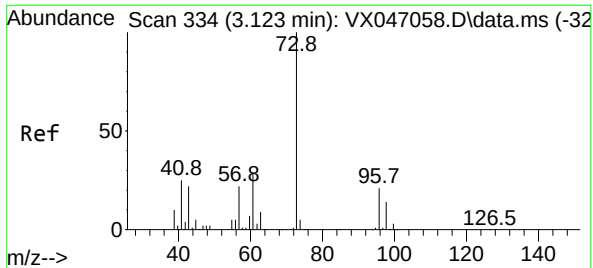
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#18
Methyl Acetate
Concen: 48.775 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion: 43 Resp: 225072
Ion Ratio Lower Upper
43 100
74 22.0 17.7 26.5





#19

Methyl tert-butyl Ether

Concen: 48.357 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 643560

Ion Ratio Lower Upper

73 100

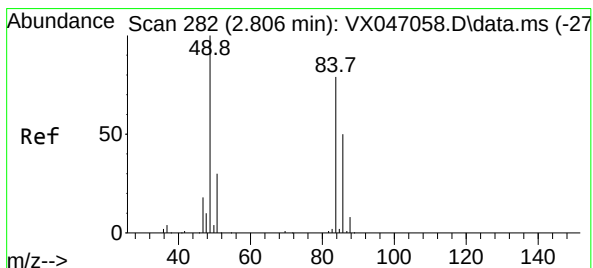
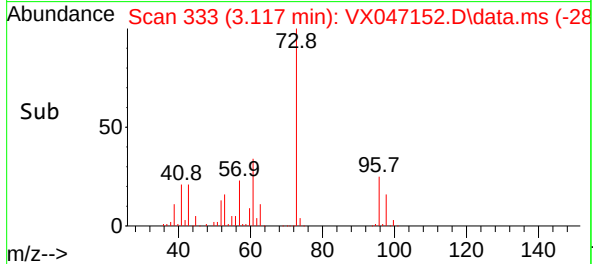
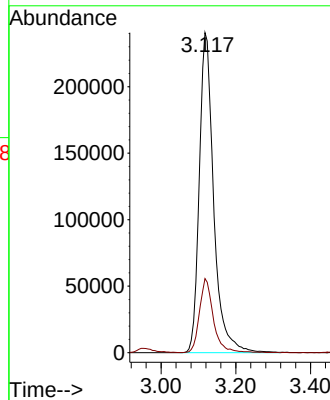
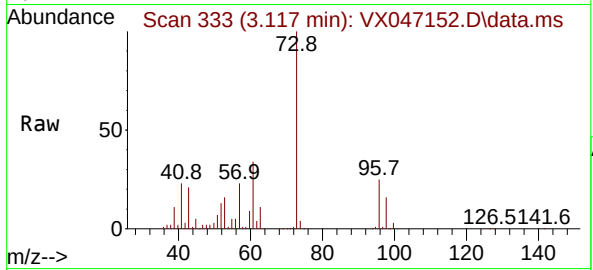
57 23.1 17.7 26.5

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#20

Methylene Chloride

Concen: 45.675 ug/l

RT: 2.800 min Scan# 281

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Tgt Ion: 84 Resp: 218192

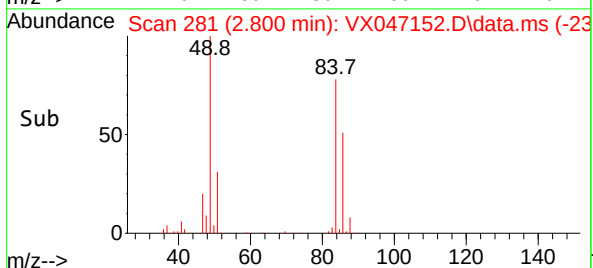
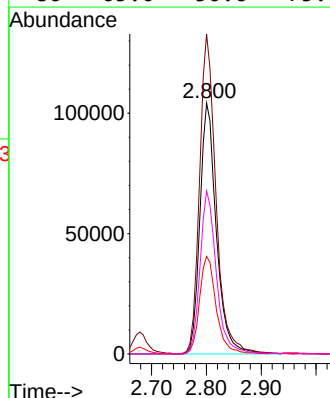
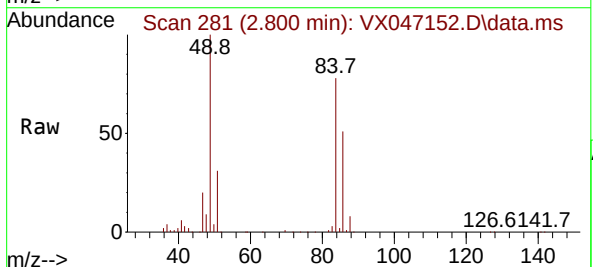
Ion Ratio Lower Upper

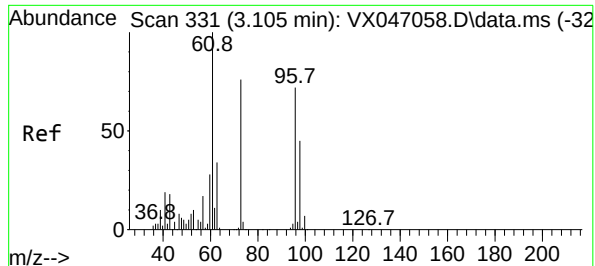
84 100

49 127.4 101.6 152.4

51 38.8 30.3 45.5

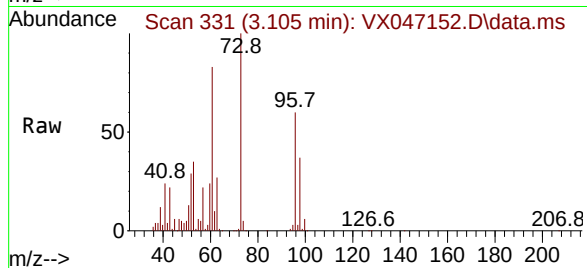
86 65.0 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 46.623 ug/l
RT: 3.105 min Scan# 311
Delta R.T. 0.001 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

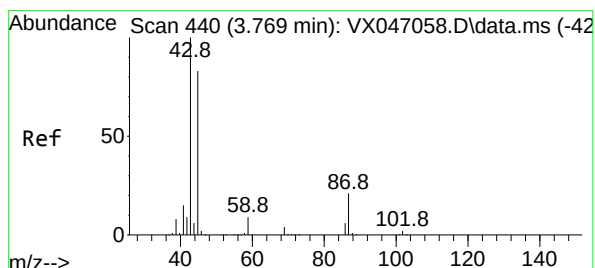
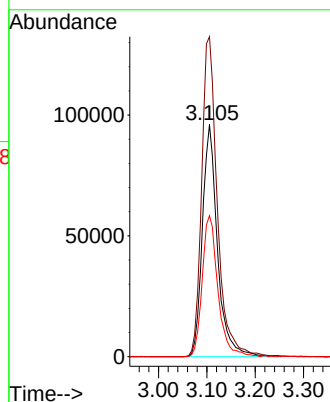
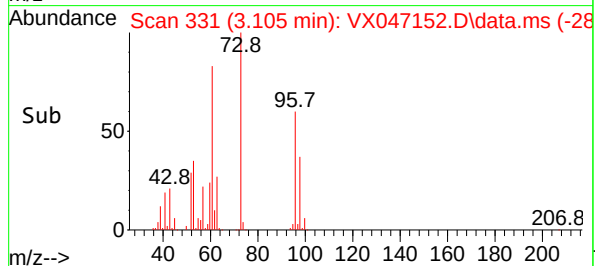
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 208630
Ion Ratio Lower Upper
96 100
61 137.8 111.1 166.7
98 60.7 49.6 74.4

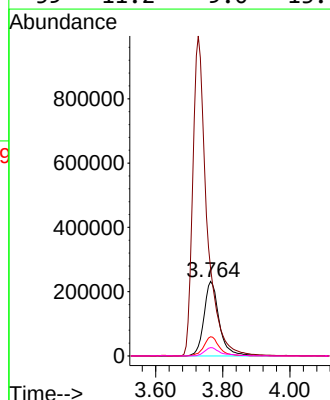
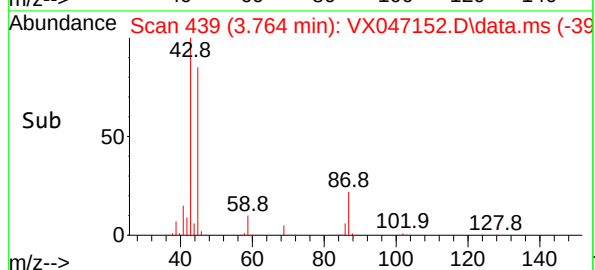
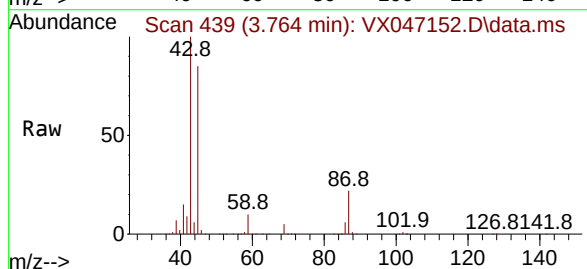
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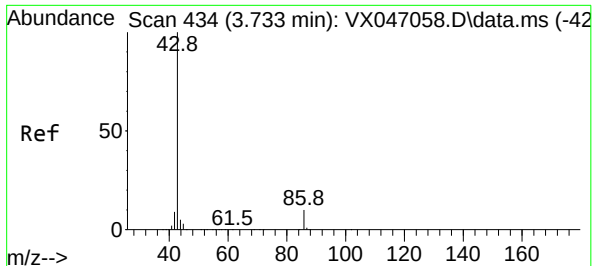
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#22
Diisopropyl ether
Concen: 48.111 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion: 45 Resp: 731167
Ion Ratio Lower Upper
45 100
43 117.1 96.8 145.2
87 25.7 20.5 30.7
59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 239.393 ug/l

RT: 3.727 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 291806

Ion Ratio Lower Upper

43

100

86

10.0

8.1

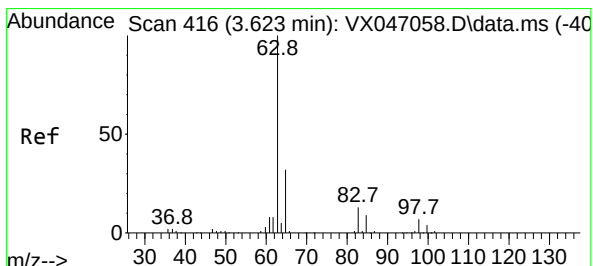
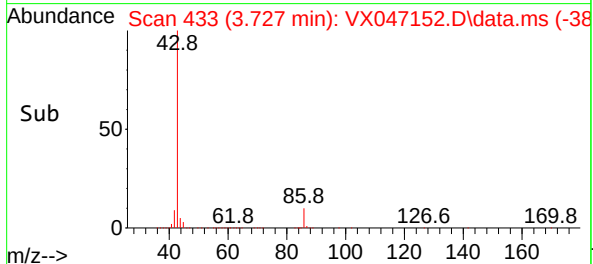
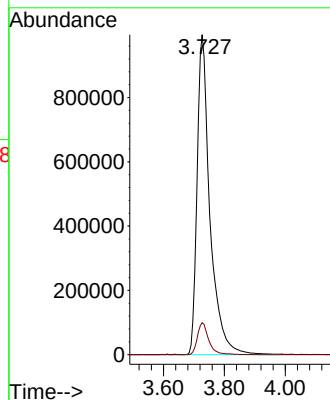
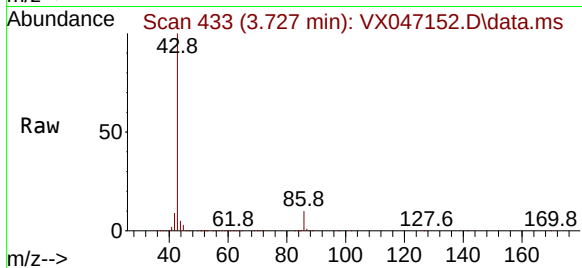
12.1

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#24

1,1-Dichloroethane

Concen: 47.046 ug/l

RT: 3.617 min Scan# 415

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Tgt Ion: 63 Resp: 397582

Ion Ratio Lower Upper

63

100

98

7.1

100

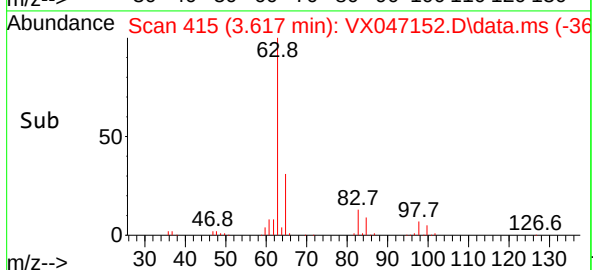
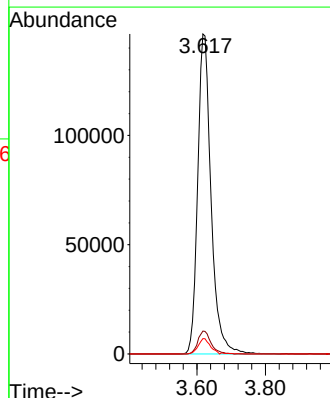
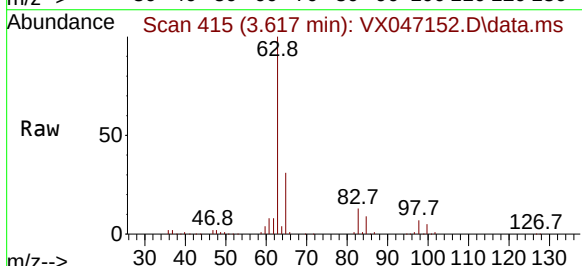
4.8

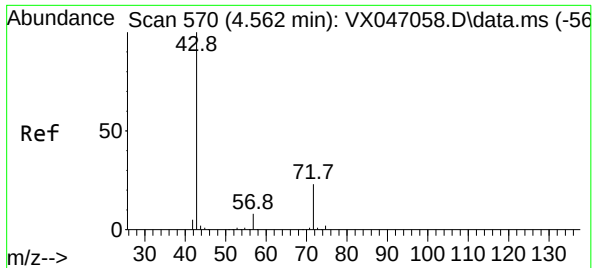
3.6

10.8

2.3

6.8





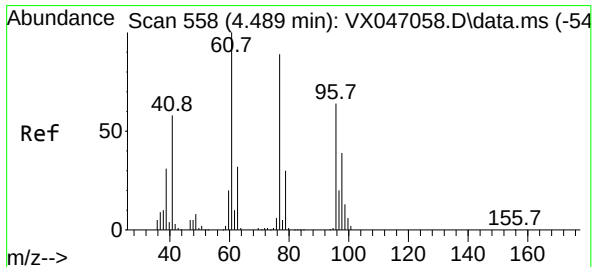
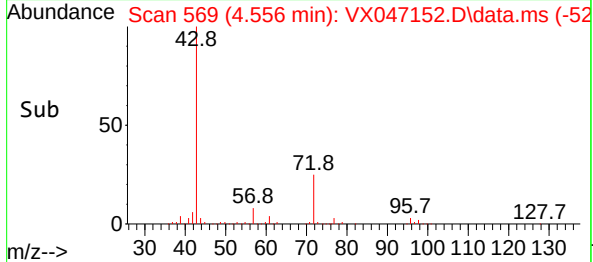
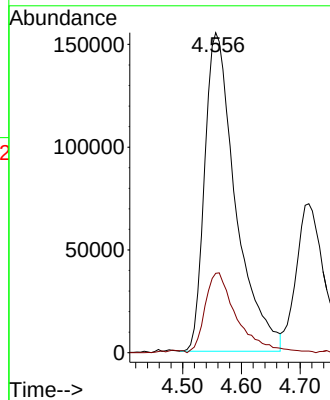
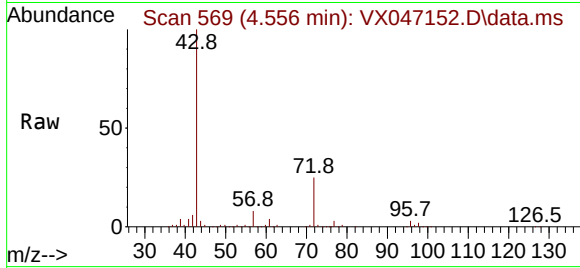
#25
2-Butanone
Concen: 224.280 ug/l
RT: 4.556 min Scan# 567068
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 567068
Ion Ratio Lower Upper
43 100
72 23.8 18.8 28.2

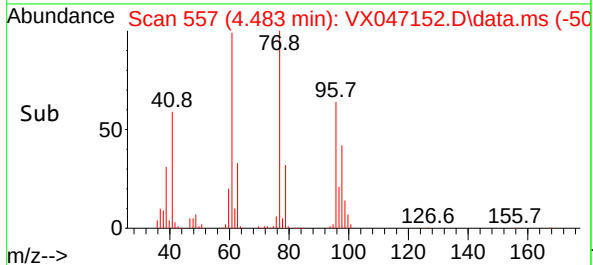
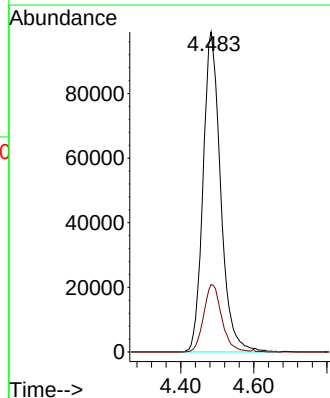
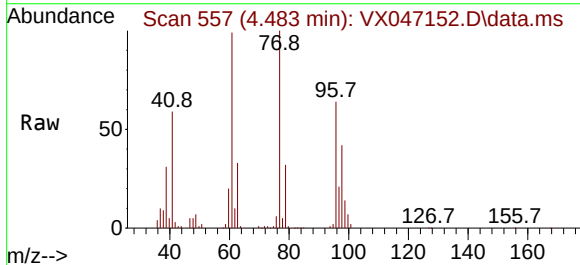
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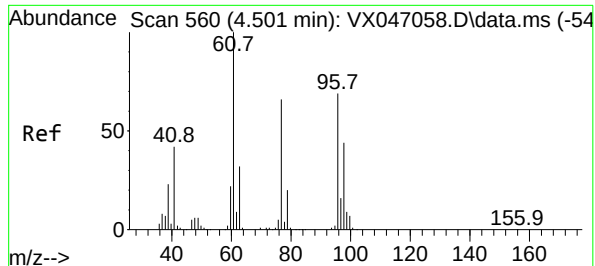
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#26
2,2-Dichloropropane
Concen: 50.475 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion: 77 Resp: 330199
Ion Ratio Lower Upper
77 100
97 21.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 45.987 ug/l

RT: 4.495 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 243684

Ion Ratio Lower Upper

96 100

61 151.5 0.0 298.6

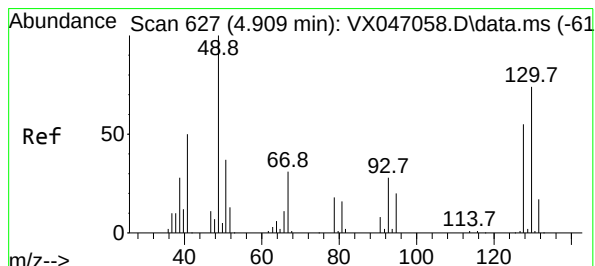
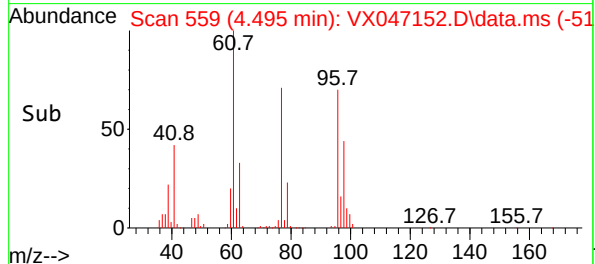
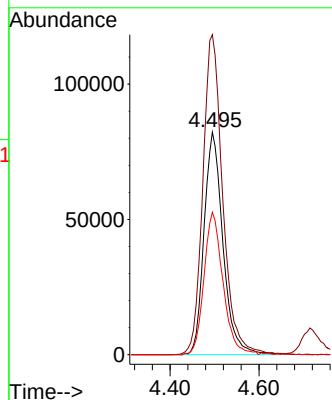
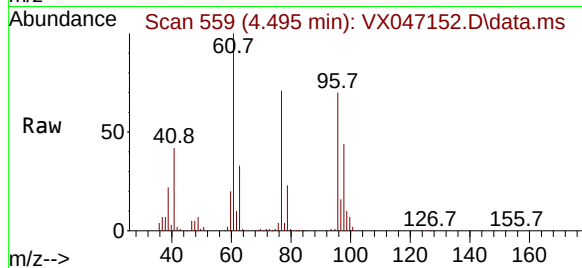
98 64.1 0.0 128.8

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#28

Bromochloromethane

Concen: 46.939 ug/l

RT: 4.904 min Scan# 626

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

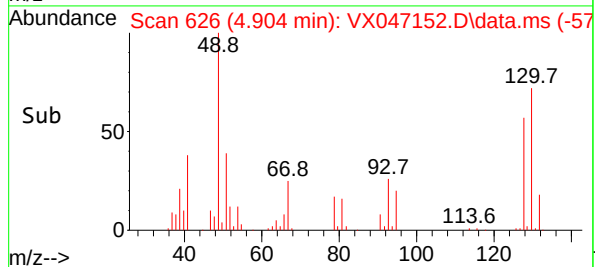
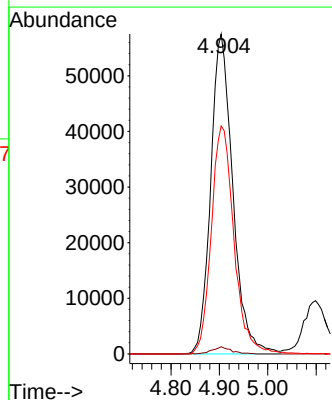
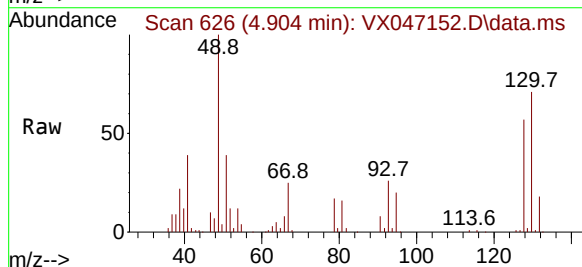
Tgt Ion: 49 Resp: 182498

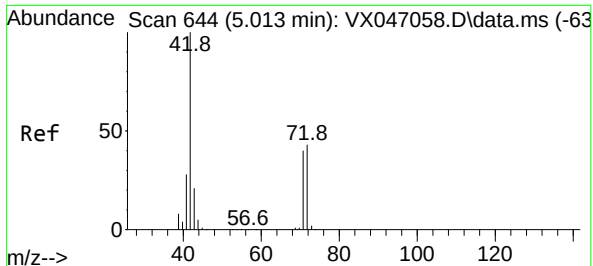
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 72.9 59.0 88.4





#29

Tetrahydrofuran

Concen: 205.097 ug/l

RT: 5.007 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 33458

Ion Ratio Lower Upper

42 100

72 43.0 33.7 50.5

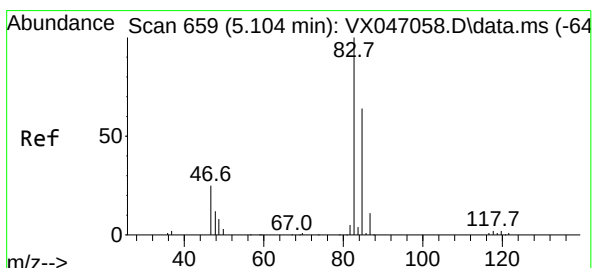
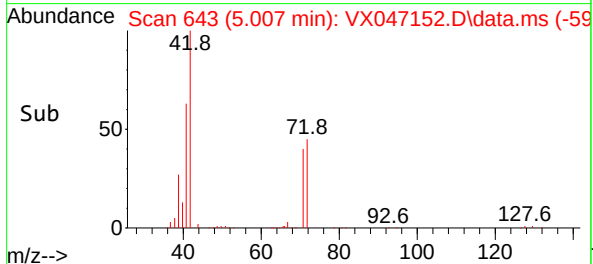
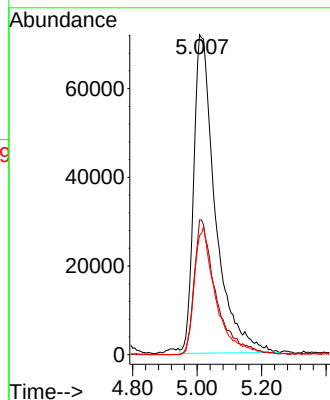
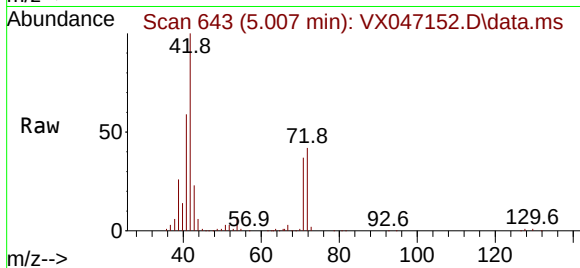
71 39.8 31.0 46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#30

Chloroform

Concen: 45.752 ug/l

RT: 5.093 min Scan# 657

Delta R.T. -0.012 min

Lab File: VX047152.D

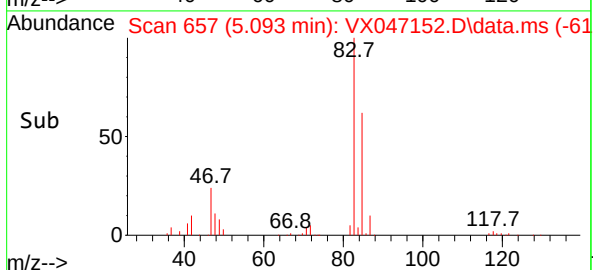
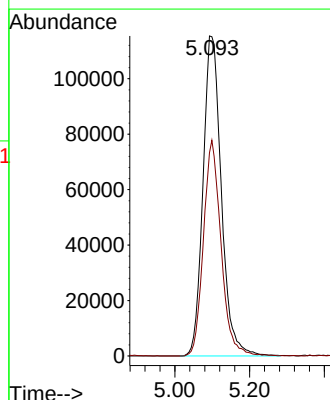
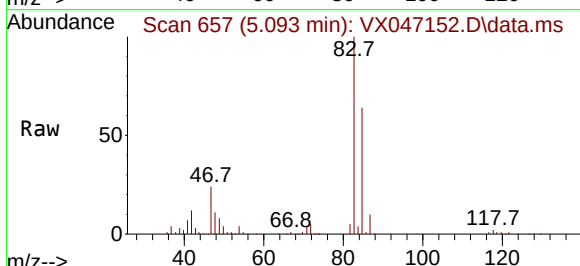
Acq: 28 Jul 2025 09:23

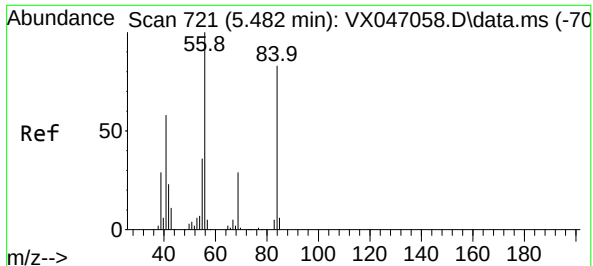
Tgt Ion: 83 Resp: 393579

Ion Ratio Lower Upper

83 100

85 63.5 50.9 76.3





#31

Cyclohexane

Concen: 44.070 ug/l

RT: 5.477 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 35710

Ion Ratio Lower Upper

56 100

69 29.5 23.3 34.9

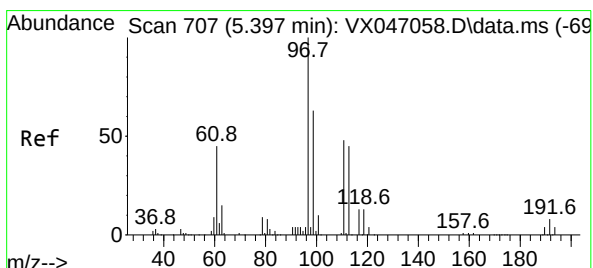
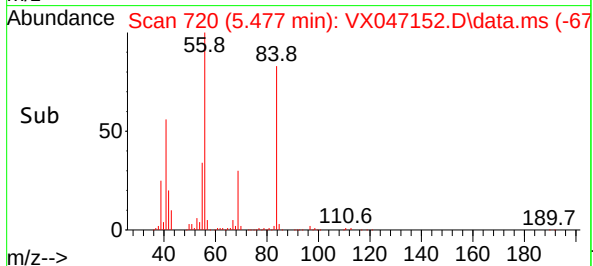
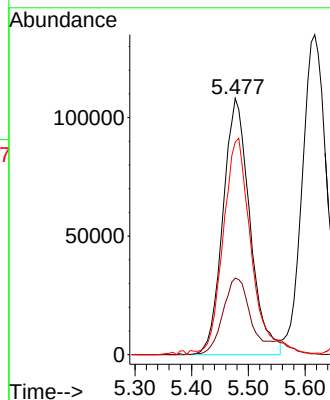
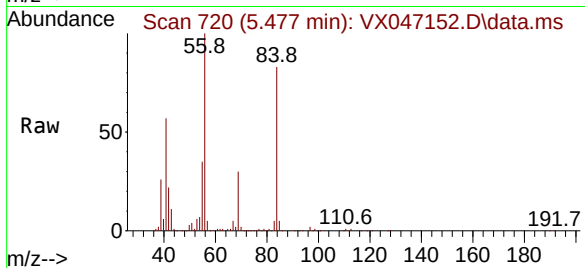
84 81.6 66.5 99.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#32

1,1,1-Trichloroethane

Concen: 46.868 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

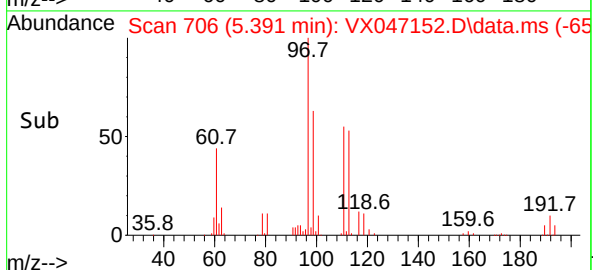
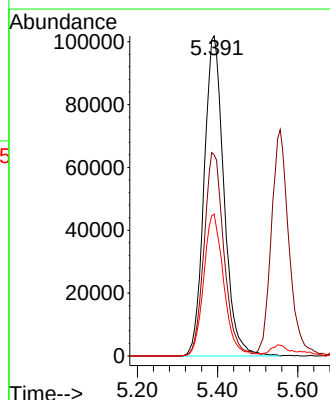
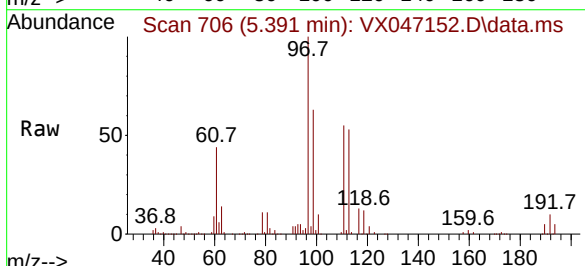
Tgt Ion: 97 Resp: 350193

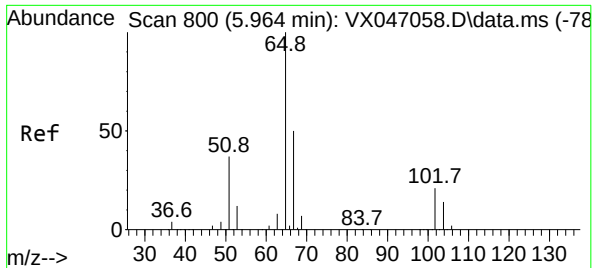
Ion Ratio Lower Upper

97 100

99 63.4 51.2 76.8

61 44.7 37.1 55.7





#33

1,2-Dichloroethane-d4

Concen: 46.814 ug/l

RT: 5.958 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 202910

Ion Ratio Lower Upper

65 100

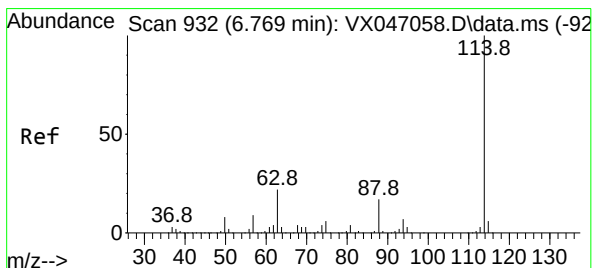
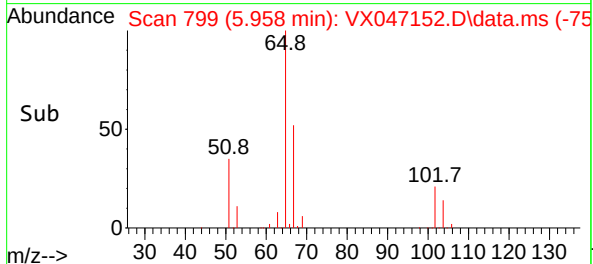
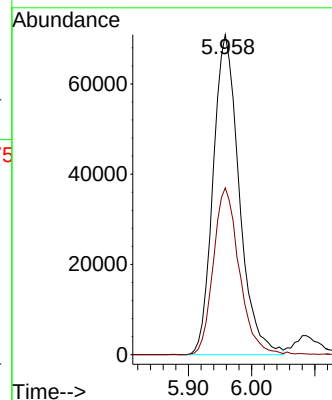
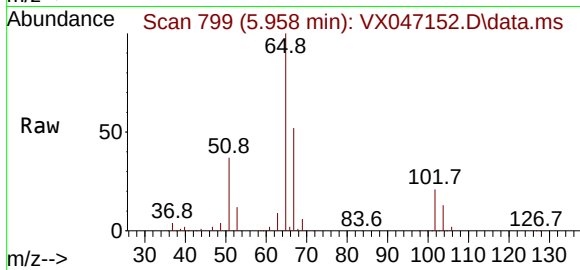
67 51.7 0.0 104.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

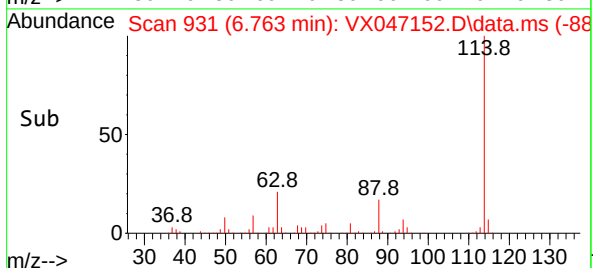
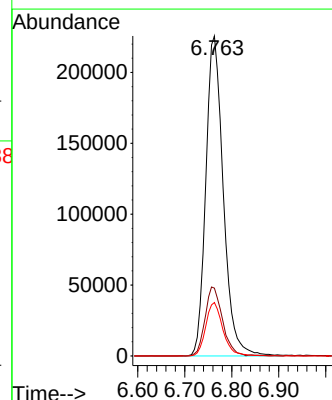
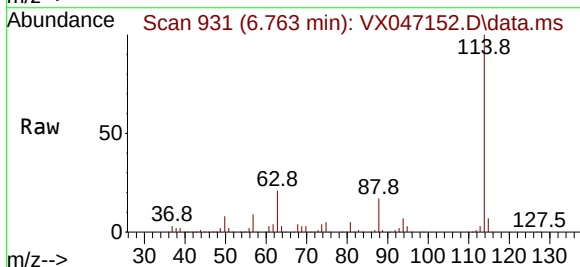
Tgt Ion:114 Resp: 583631

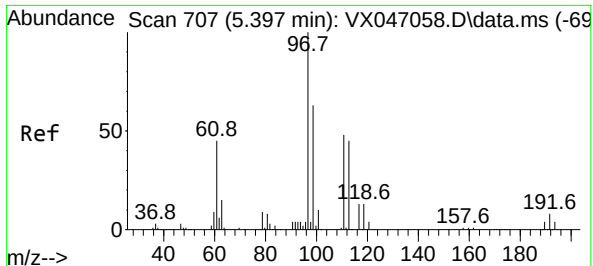
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.137 ug/l

RT: 5.391 min Scan# 707

Delta R.T. -0.006 min

Lab File: VX047152.D

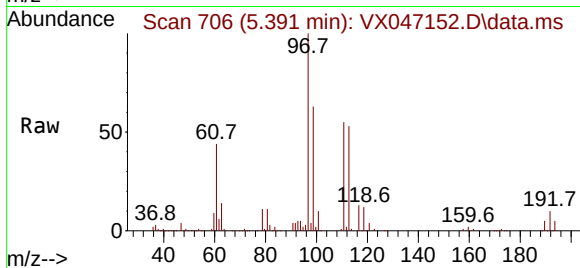
Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion:113 Resp: 17706

Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

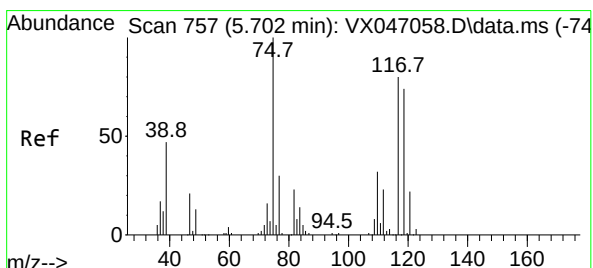
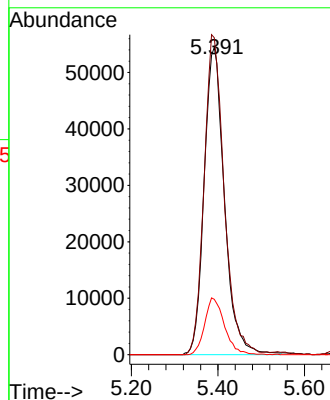
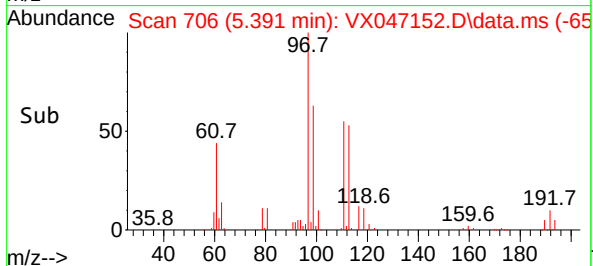
192 18.1 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#36

1,1-Dichloropropene

Concen: 43.412 ug/l

RT: 5.702 min Scan# 757

Delta R.T. 0.000 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

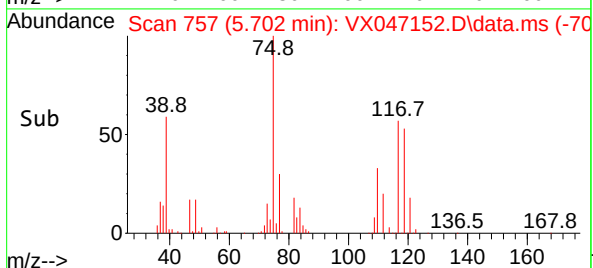
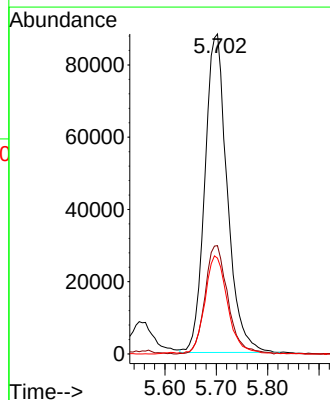
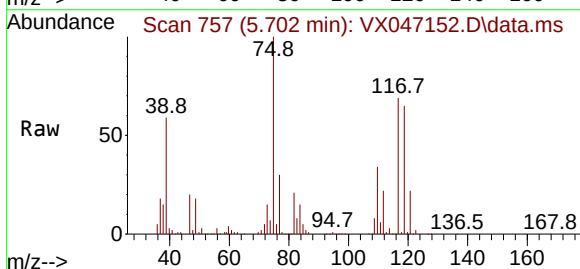
Tgt Ion: 75 Resp: 266657

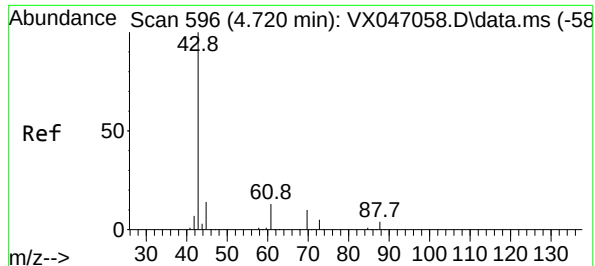
Ion Ratio Lower Upper

75 100

110 34.9 17.2 51.5

77 31.1 25.1 37.7





#37

Ethyl Acetate

Concen: 44.001 ug/l

RT: 4.715 min Scan# 596

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 24904

Ion Ratio Lower Upper

43 100

61 12.7 10.2 15.2

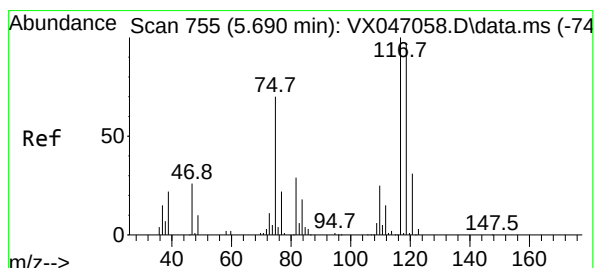
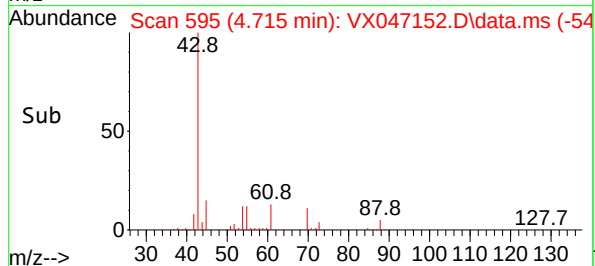
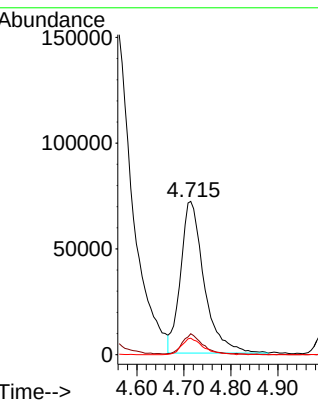
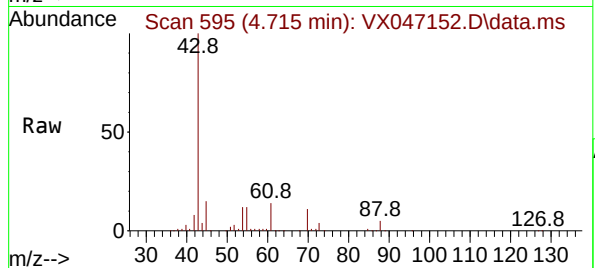
70 10.0 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#38

Carbon Tetrachloride

Concen: 45.601 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

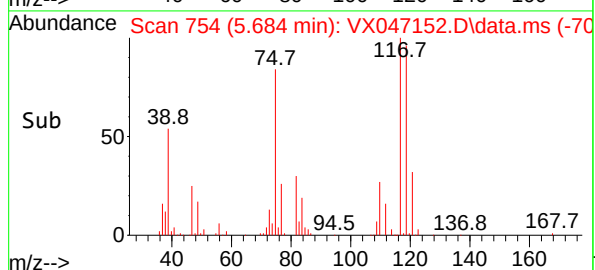
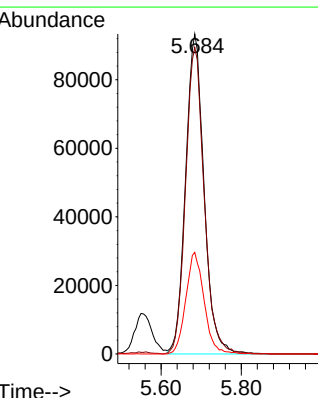
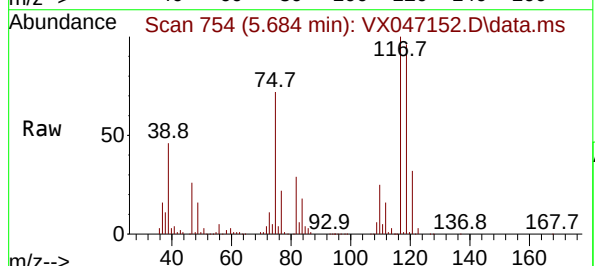
Tgt Ion:117 Resp: 298960

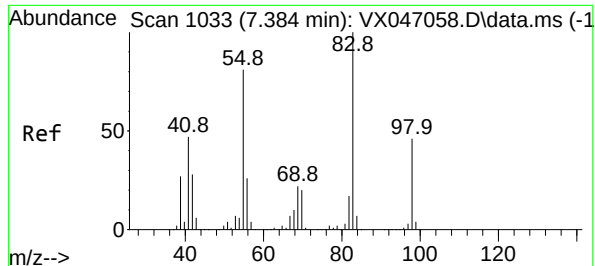
Ion Ratio Lower Upper

117 100

119 95.7 76.6 115.0

121 31.7 24.4 36.6





#39

Methylcyclohexane

Concen: 45.012 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.001 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 34521

Ion Ratio Lower Upper

83 100

55 80.7 64.5 96.7

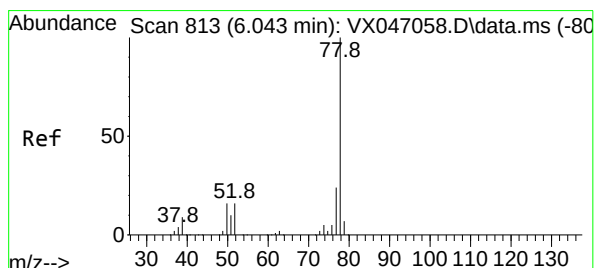
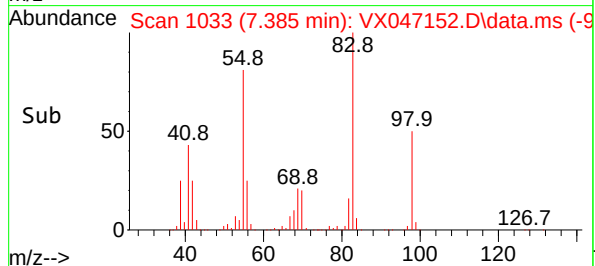
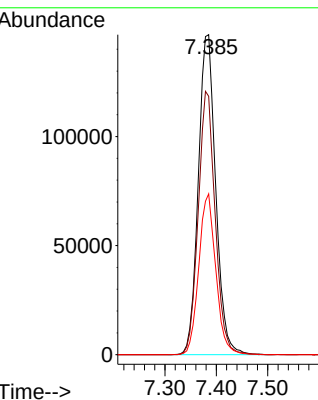
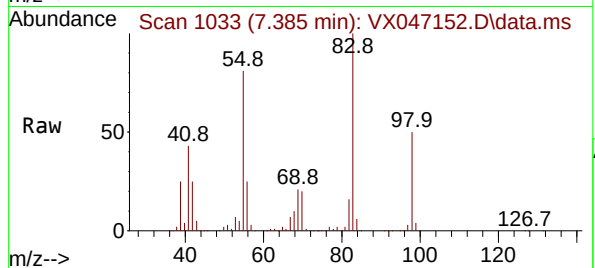
98 50.2 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#40

Benzene

Concen: 45.112 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.000 min

Lab File: VX047152.D

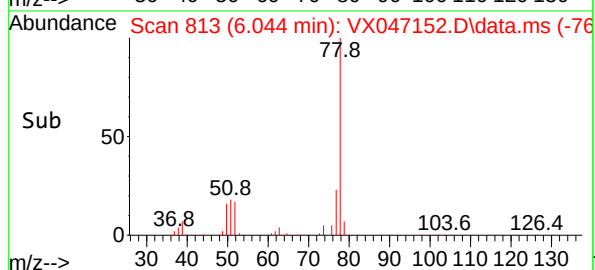
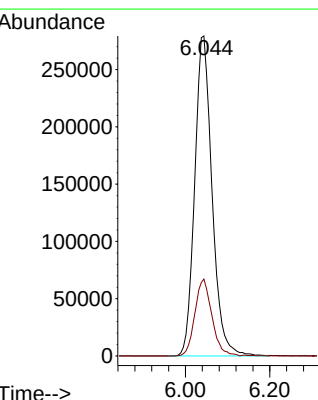
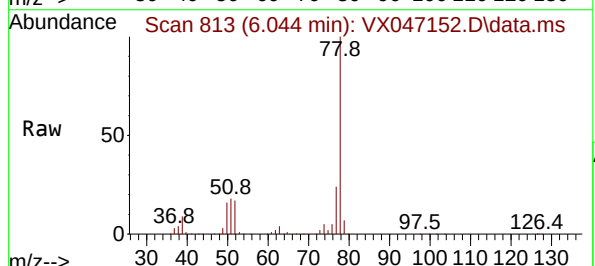
Acq: 28 Jul 2025 09:23

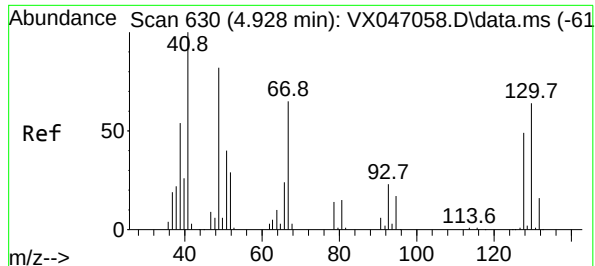
Tgt Ion: 78 Resp: 801930

Ion Ratio Lower Upper

78 100

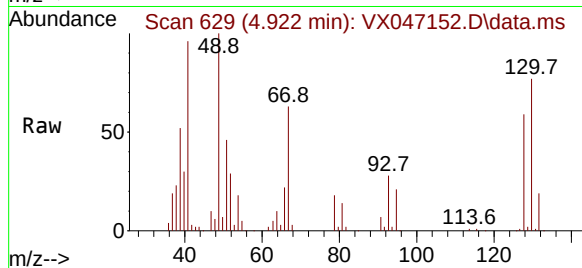
77 24.1 19.0 28.4





#41
Methacrylonitrile
Concen: 43.782 ug/l m
RT: 4.922 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

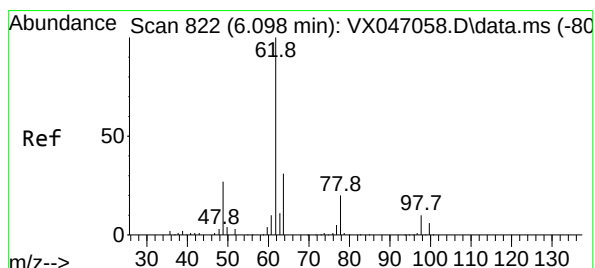
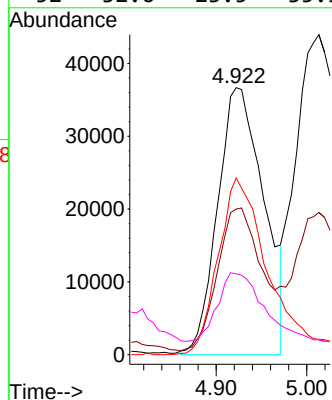
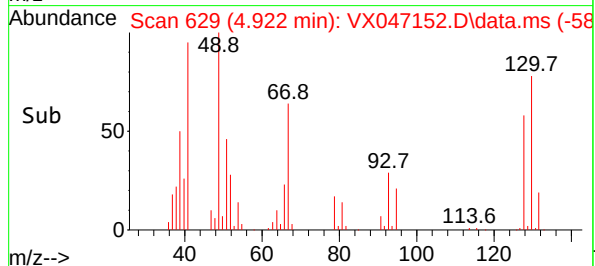
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 12957
Ion Ratio Lower Upper
41 100
39 51.0 44.2 66.2
67 75.5 56.4 84.6
52 32.6 23.5 35.3

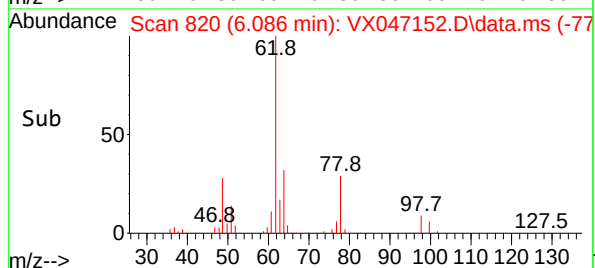
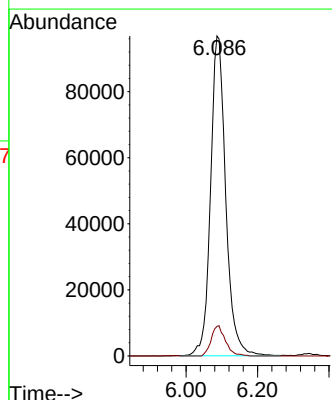
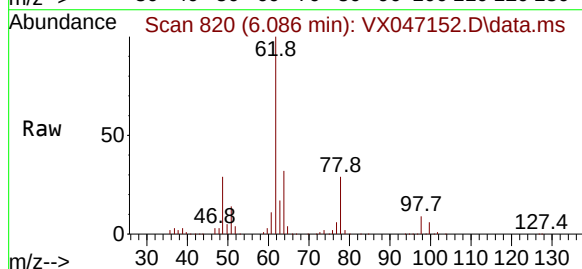
Manual Integrations
APPROVED

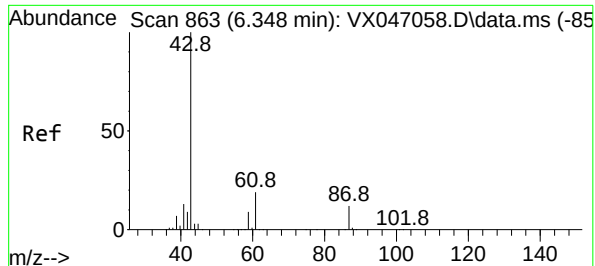
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#42
1,2-Dichloroethane
Concen: 45.613 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.012 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion: 62 Resp: 285625
Ion Ratio Lower Upper
62 100
98 8.8 0.0 18.8





#43

Isopropyl Acetate

Concen: 46.379 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.012 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 409240

Ion Ratio Lower Upper

43

100

61

87

19.2

12.4

15.1

9.7

22.7

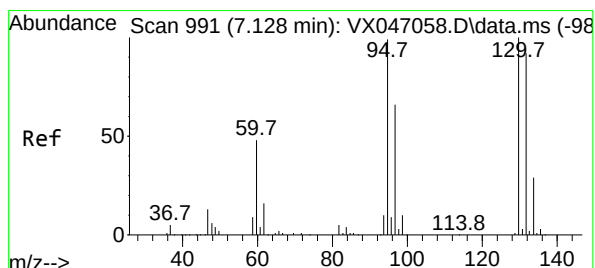
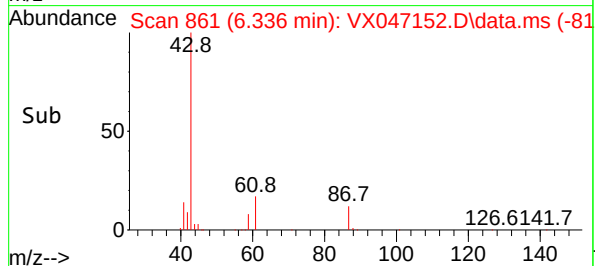
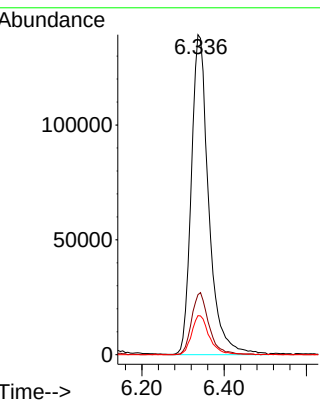
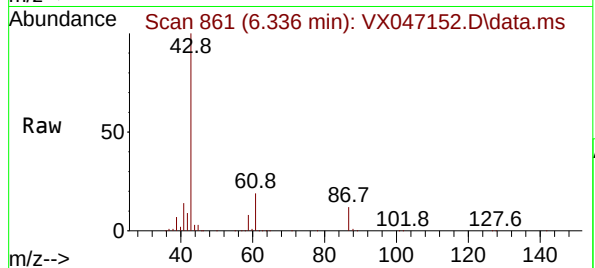
14.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#44

Trichloroethene

Concen: 43.911 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Tgt Ion:130 Resp: 200167

Ion Ratio Lower Upper

130

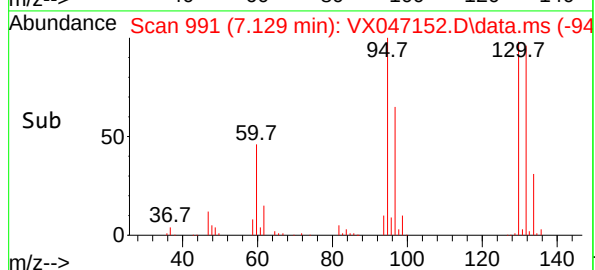
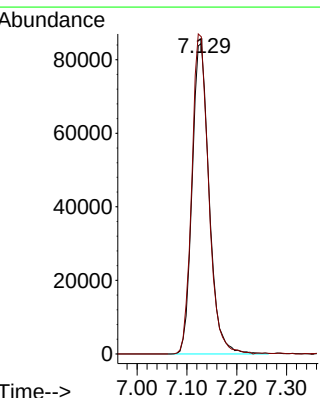
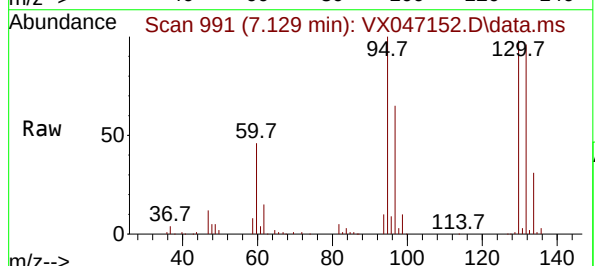
95

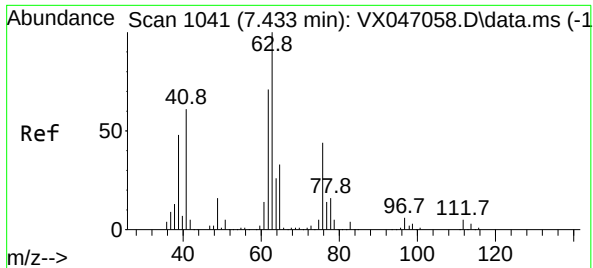
100

102.2

0.0

198.6





#45

1,2-Dichloropropane

Concen: 45.568 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 20288

Ion Ratio Lower Upper

63 100

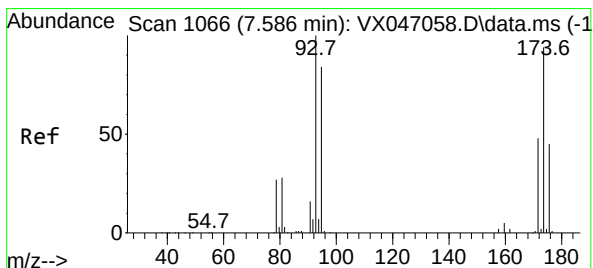
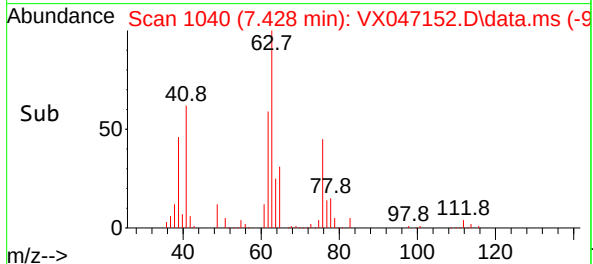
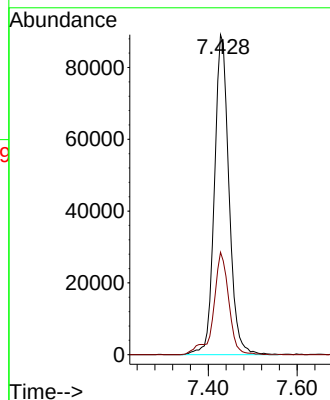
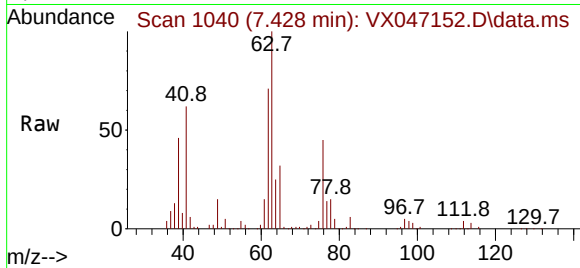
65 32.0 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#46

Dibromomethane

Concen: 46.223 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

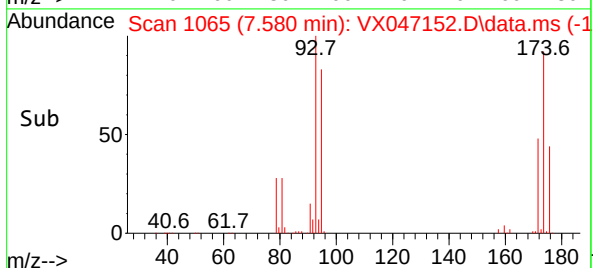
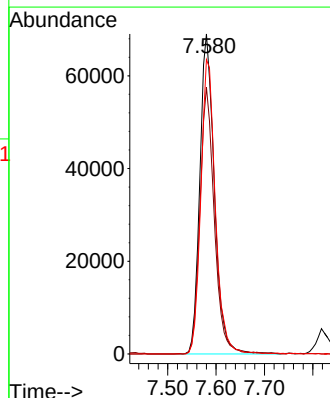
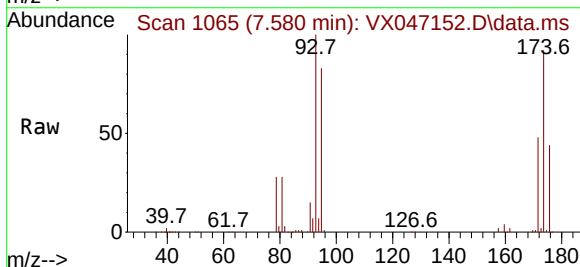
Tgt Ion: 93 Resp: 144317

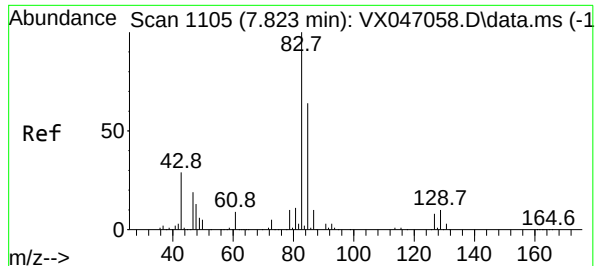
Ion Ratio Lower Upper

93 100

95 81.9 65.9 98.9

174 92.0 74.6 112.0





#47

Bromodichloromethane

Concen: 46.566 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 309460

Ion Ratio Lower Upper

83 100

85 65.0 49.9 74.9

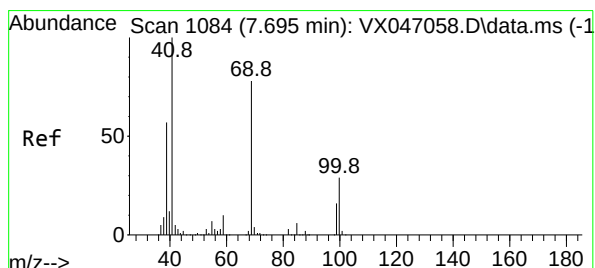
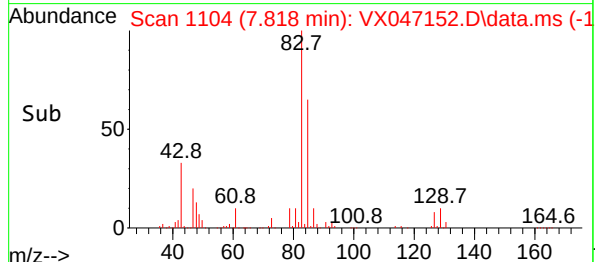
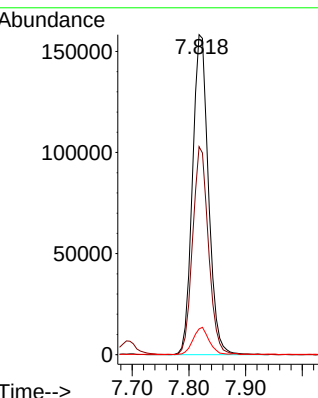
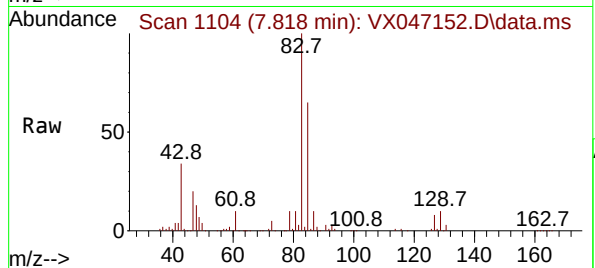
127 7.9 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#48

Methyl methacrylate

Concen: 43.560 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

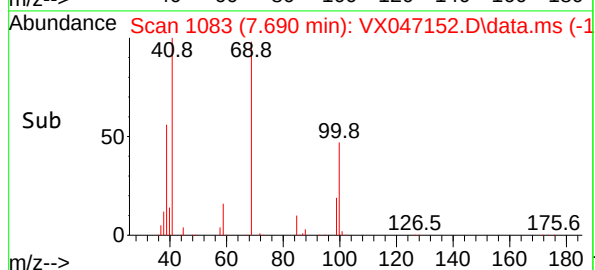
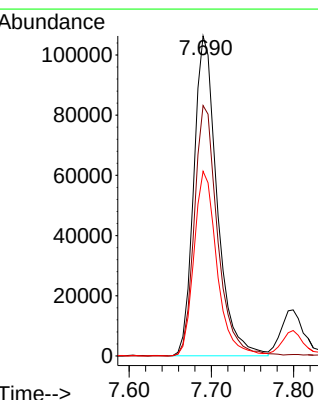
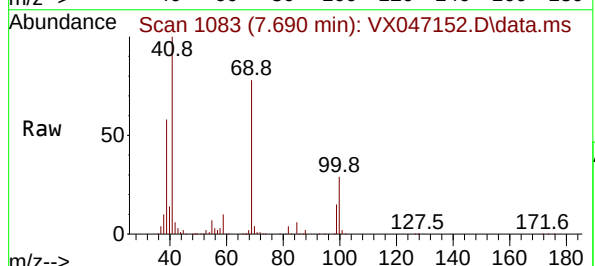
Tgt Ion: 41 Resp: 209392

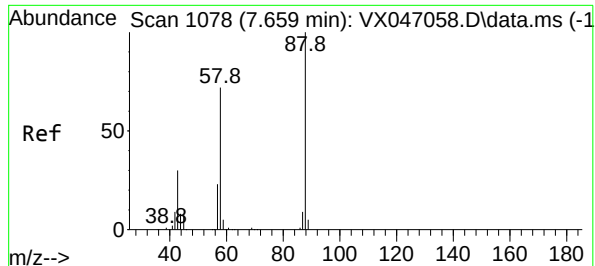
Ion Ratio Lower Upper

41 100

69 78.1 62.3 93.5

39 56.9 44.8 67.2





#49

1,4-Dioxane

Concen: 855.709 ug/l

RT: 7.720 min Scan# 1088

Delta R.T. 0.061 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 46784

Ion Ratio Lower Upper

88 100

43 30.9 33.6 50.4

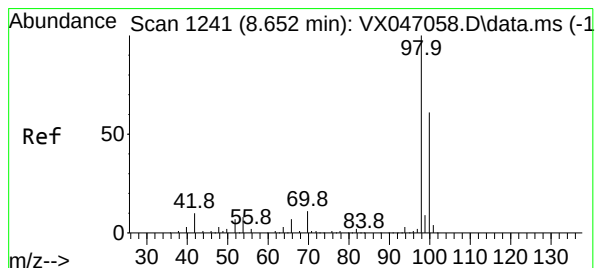
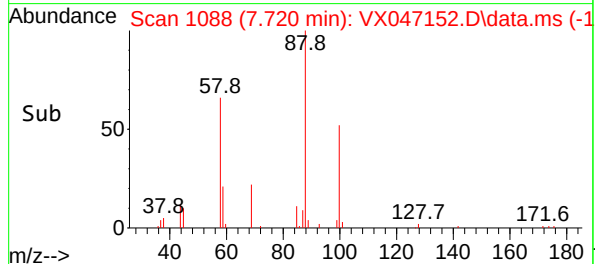
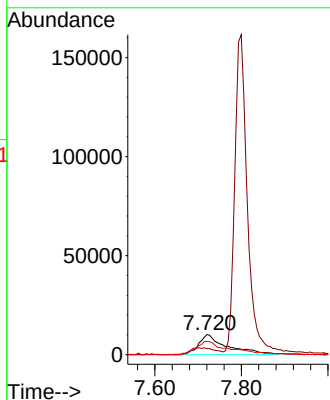
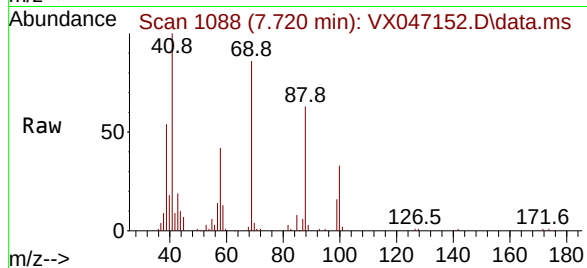
58 76.6 58.8 88.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#50

Toluene-d8

Concen: 45.131 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX047152.D

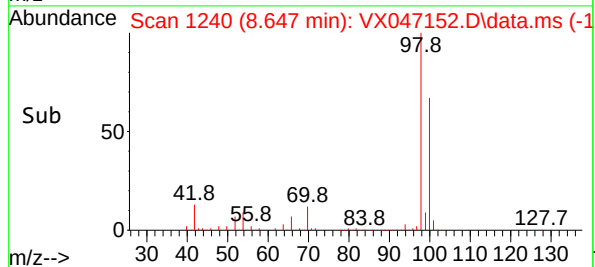
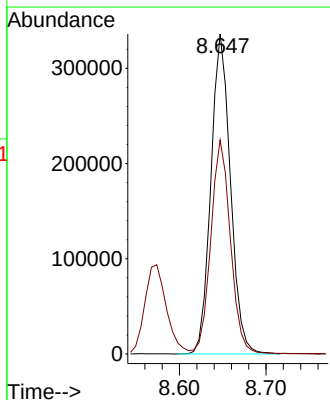
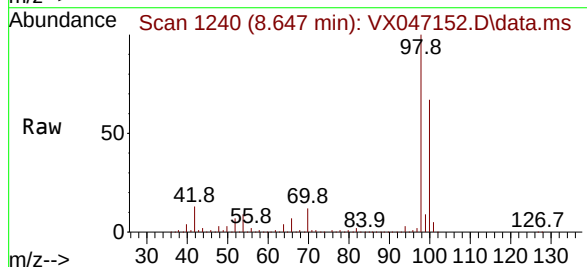
Acq: 28 Jul 2025 09:23

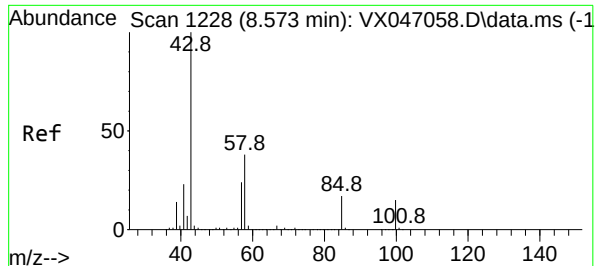
Tgt Ion: 98 Resp: 526682

Ion Ratio Lower Upper

98 100

100 67.1 53.3 79.9





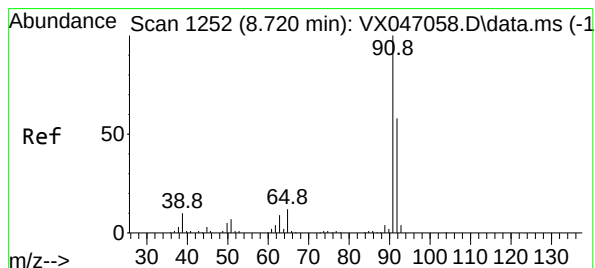
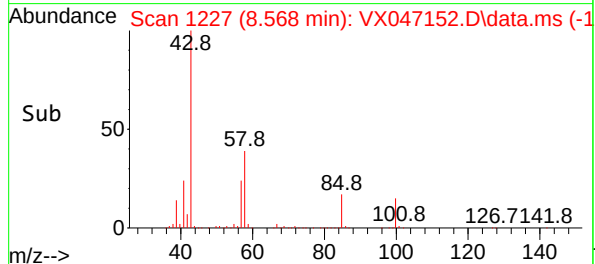
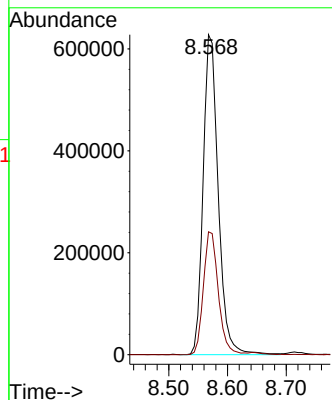
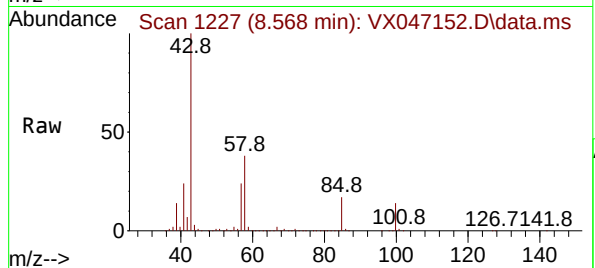
#51
4-Methyl-2-Pentanone
Concen: 213.132 ug/l
RT: 8.568 min Scan# 111783
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 111783
Ion Ratio Lower Upper
43 100
58 38.1 30.6 45.8

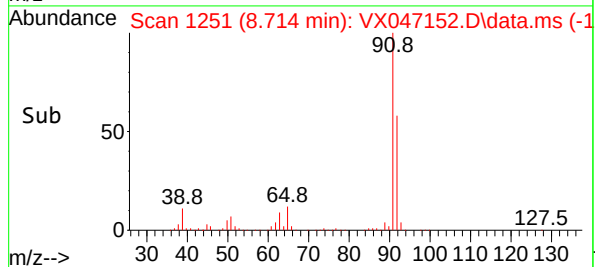
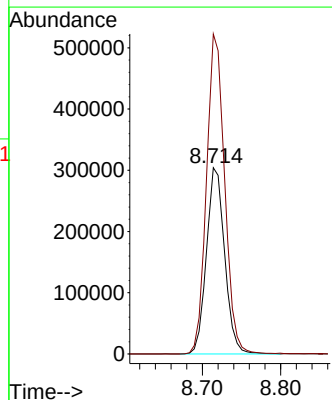
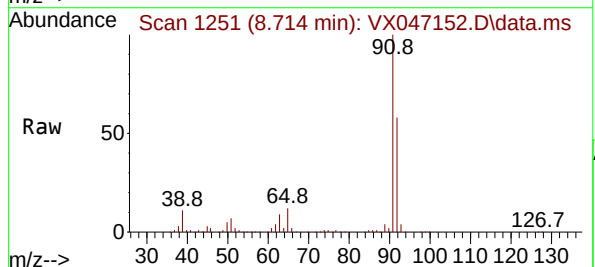
Manual Integrations
APPROVED

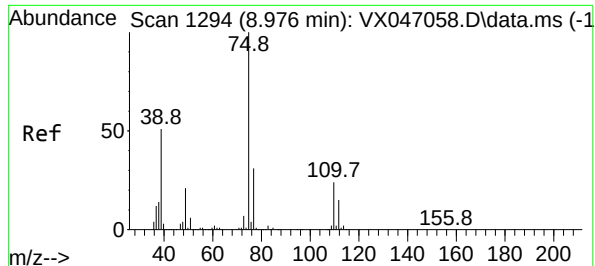
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#52
Toluene
Concen: 44.912 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

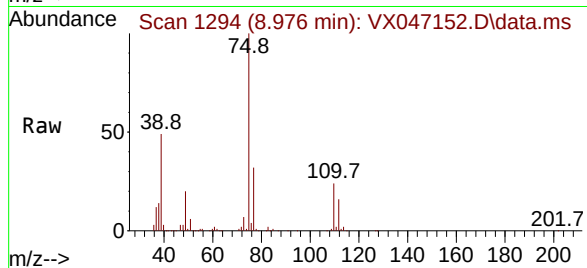
Tgt Ion: 92 Resp: 490903
Ion Ratio Lower Upper
92 100
91 171.4 137.9 206.9





#53
t-1,3-Dichloropropene
Concen: 47.648 ug/l
RT: 8.976 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

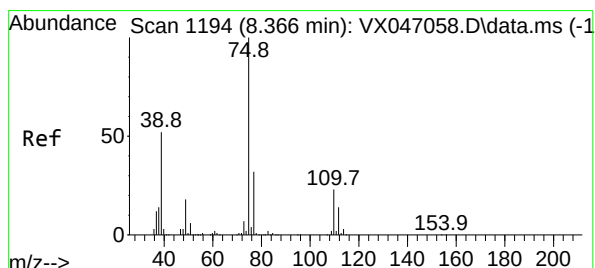
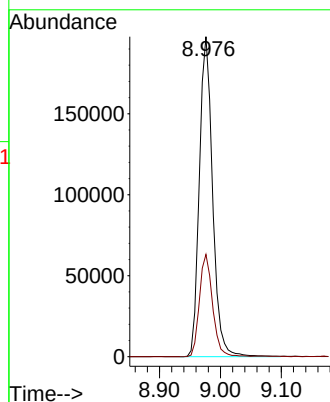
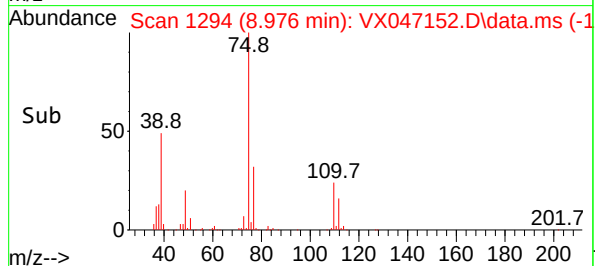
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 299012
Ion Ratio Lower Upper
75 100
77 31.9 24.5 36.7

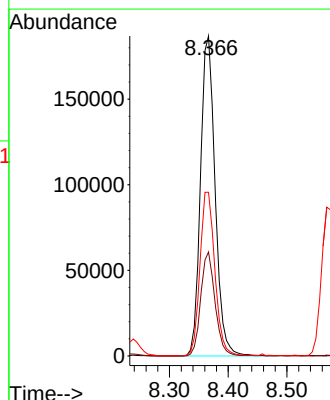
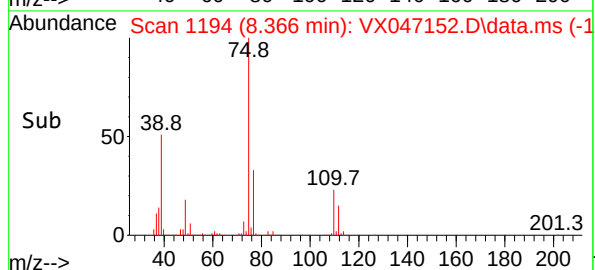
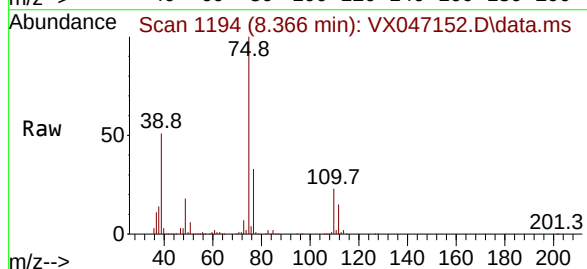
Manual Integrations
APPROVED

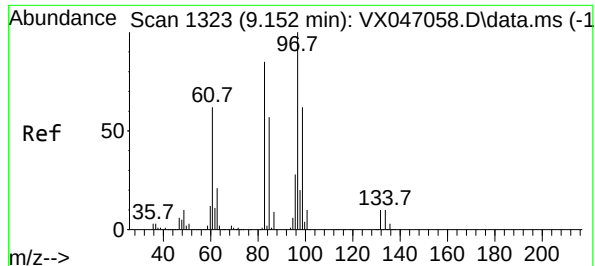
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#54
cis-1,3-Dichloropropene
Concen: 47.037 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion: 75 Resp: 323069
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.0
39 51.1 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 44.741 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 18340

Ion Ratio Lower Upper

97 100

83 83.7 68.0 102.0

85 54.5 45.2 67.8

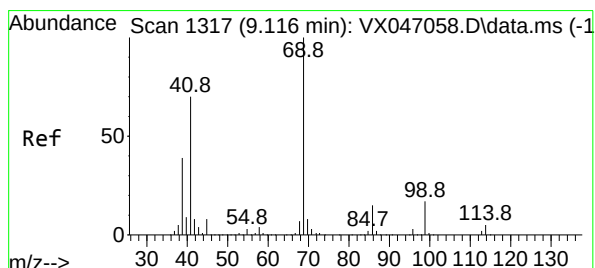
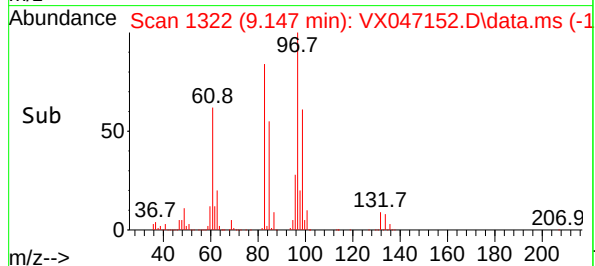
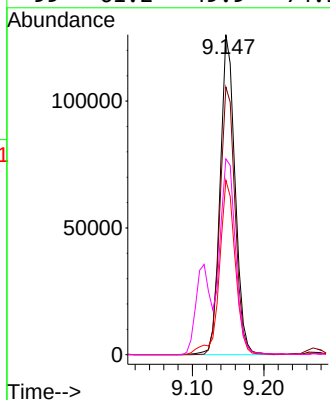
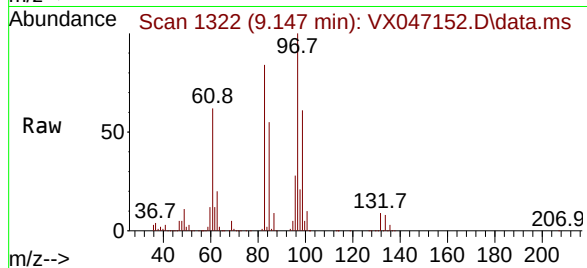
99 61.2 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#56

Ethyl methacrylate

Concen: 47.289 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.001 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

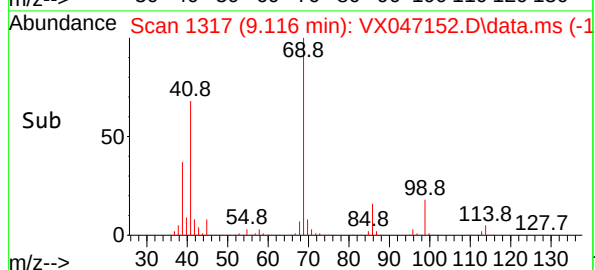
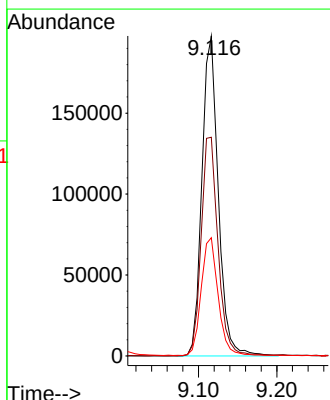
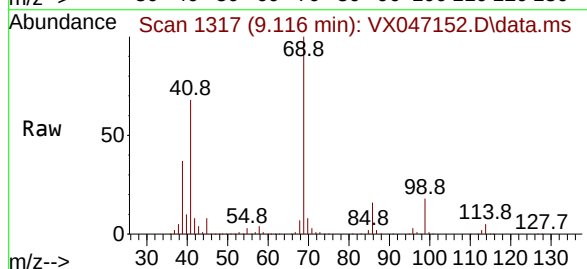
Tgt Ion: 69 Resp: 286972

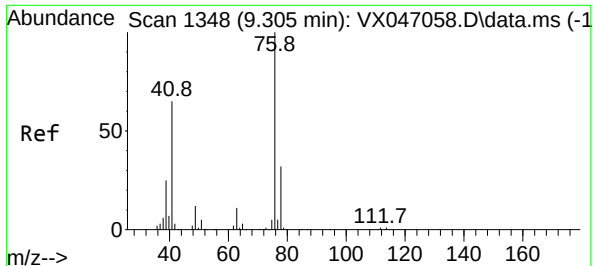
Ion Ratio Lower Upper

69 100

41 70.3 56.1 84.1

39 38.4 31.1 46.7





#57

1,3-Dichloropropane

Concen: 44.153 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 314550

Ion Ratio Lower Upper

76 100

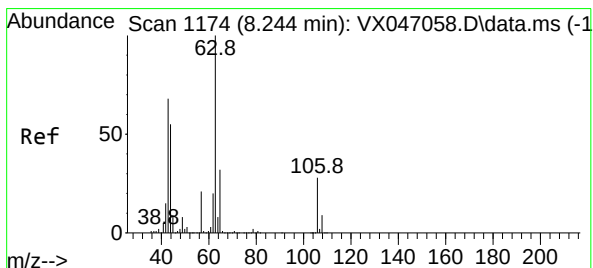
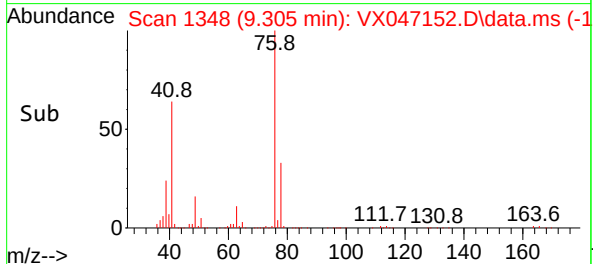
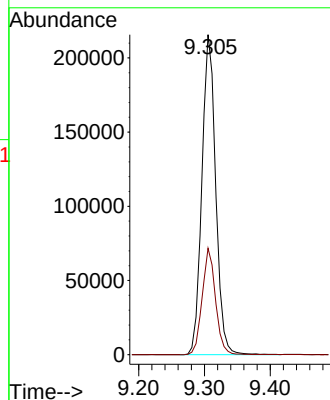
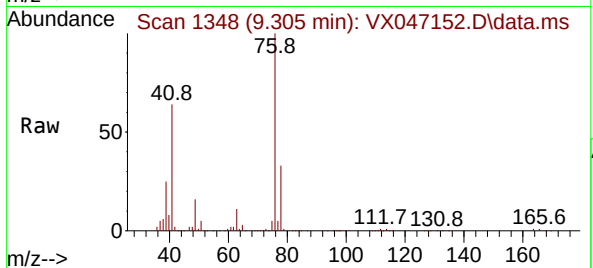
78 32.1 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#58

2-Chloroethyl Vinyl ether

Concen: 214.896 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VX047152.D

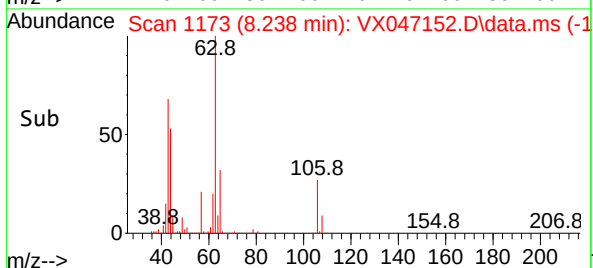
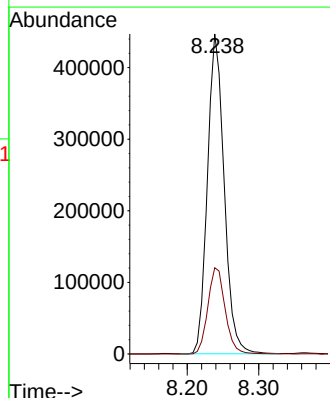
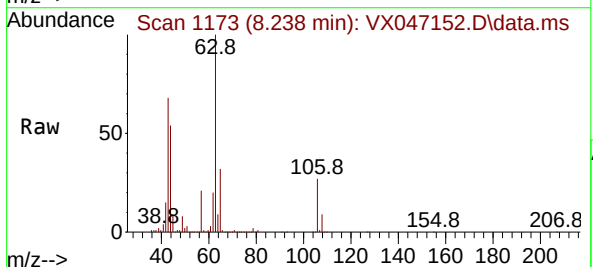
Acq: 28 Jul 2025 09:23

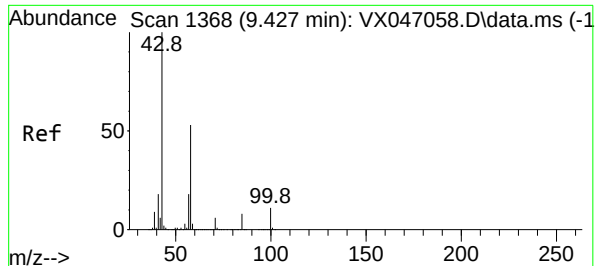
Tgt Ion: 63 Resp: 725686

Ion Ratio Lower Upper

63 100

106 27.9 22.2 33.4





#59

2-Hexanone

Concen: 222.991 ug/l

RT: 9.427 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 772694

Ion Ratio Lower Upper

43

100

58

53.5

26.5

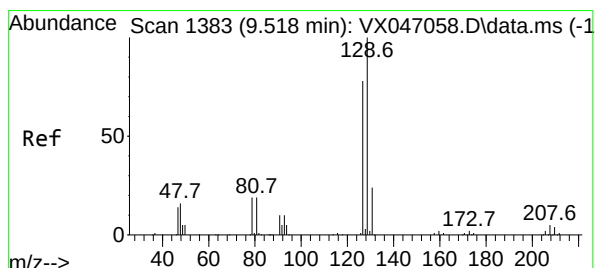
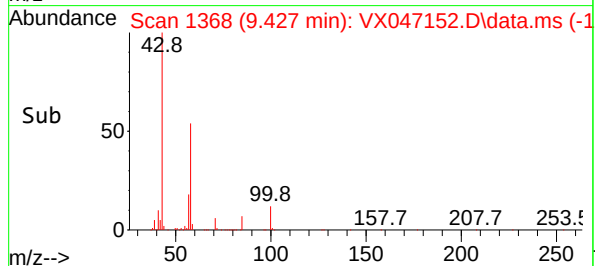
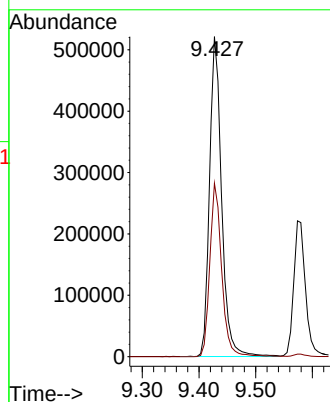
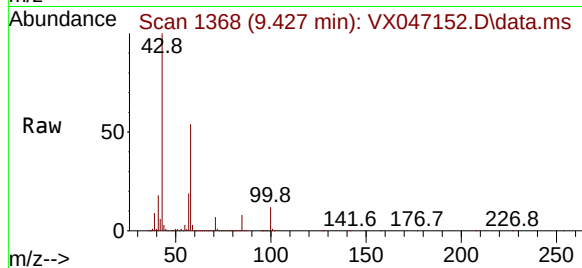
79.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#60

Dibromochloromethane

Concen: 46.475 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.001 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Tgt Ion:129 Resp: 223434

Ion Ratio Lower Upper

129

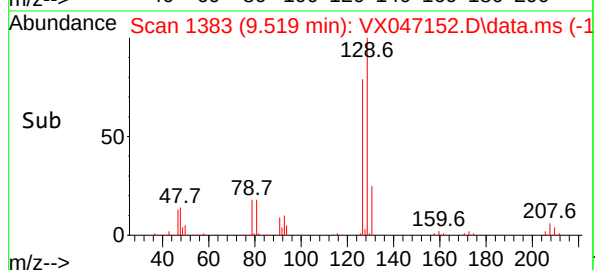
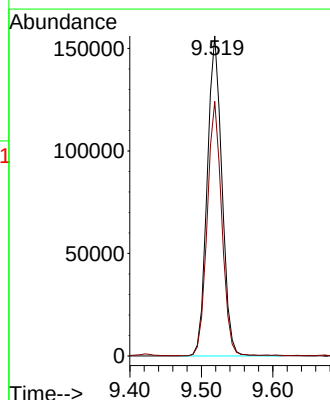
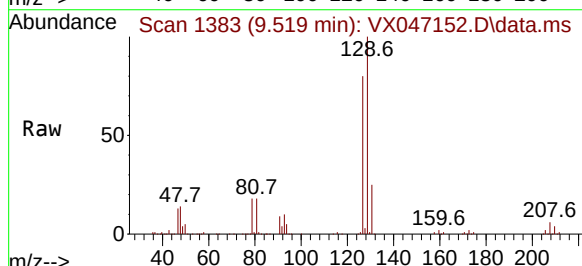
100

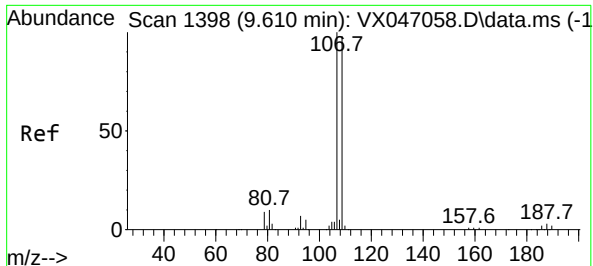
127

78.2

38.6

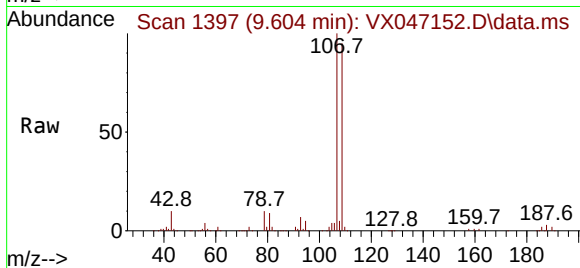
115.8





#61
1,2-Dibromoethane
Concen: 43.145 ug/l
RT: 9.604 min Scan# 1398
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

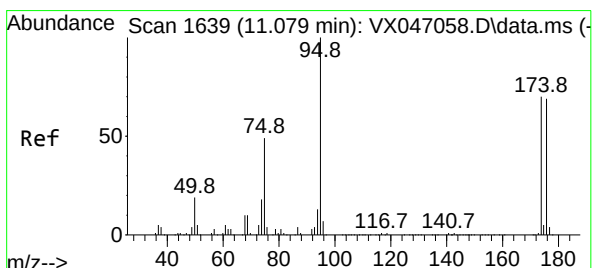
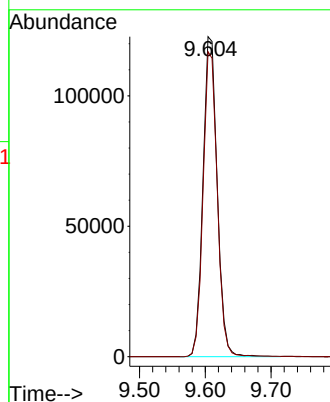
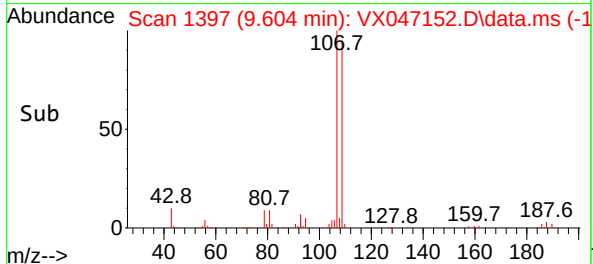
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 184928
Ion Ratio Lower Upper
107 100
109 94.8 74.6 112.0

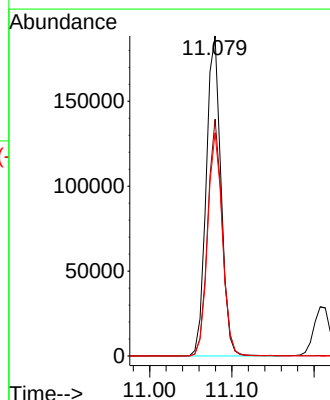
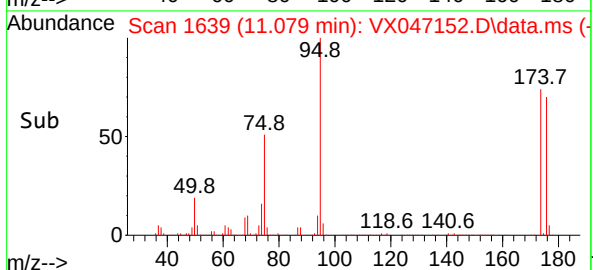
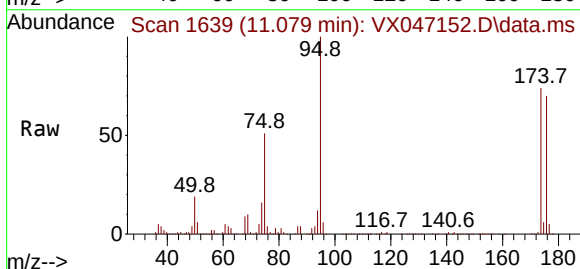
Manual Integrations
APPROVED

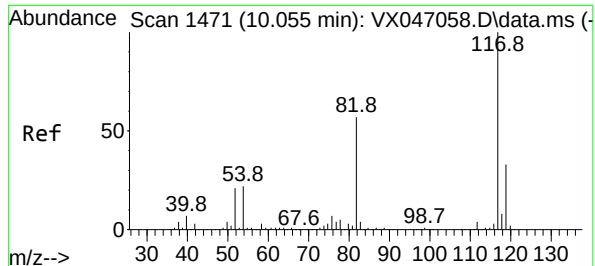
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#62
4-Bromofluorobenzene
Concen: 46.695 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

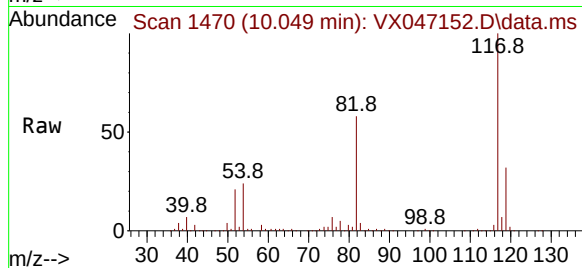
Tgt Ion: 95 Resp: 234836
Ion Ratio Lower Upper
95 100
174 72.8 0.0 144.6
176 69.5 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

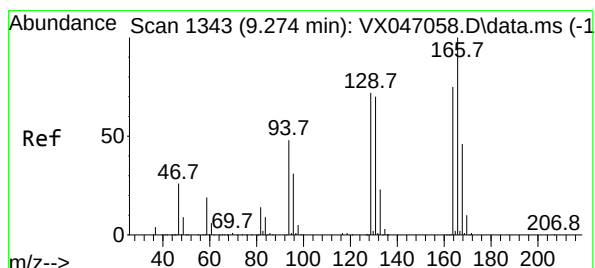
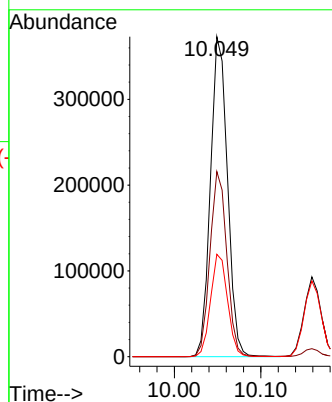
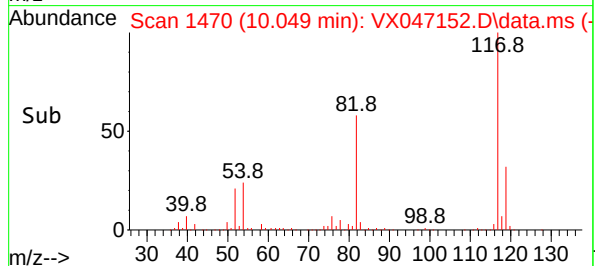
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 509120
Ion Ratio Lower Upper
117 100
82 57.8 45.4 68.2
119 32.0 26.1 39.1

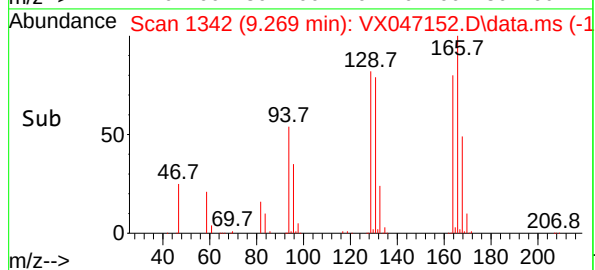
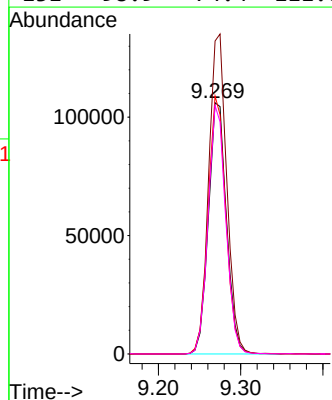
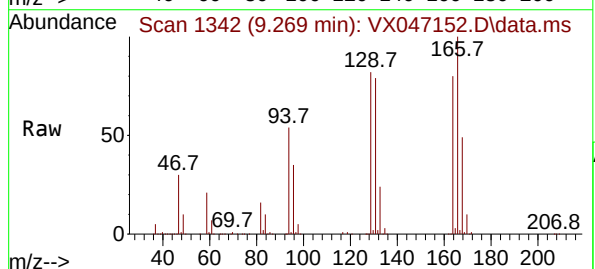
Manual Integrations
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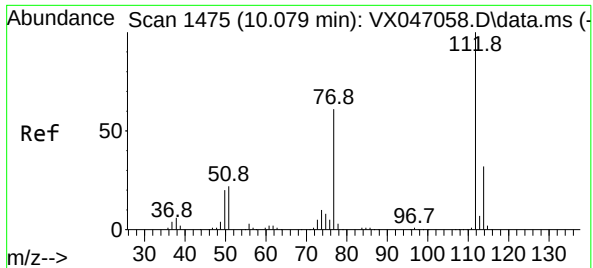
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#64
Tetrachloroethene
Concen: 44.044 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion:164 Resp: 161651
Ion Ratio Lower Upper
164 100
166 124.6 106.2 159.4
129 102.7 76.6 114.8
131 98.9 74.4 111.6





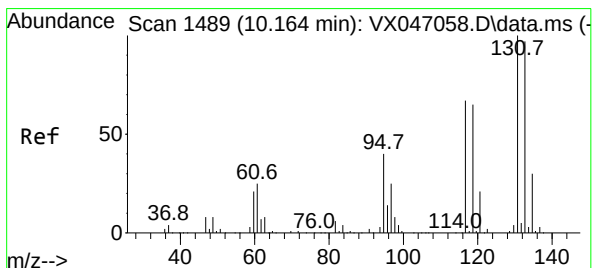
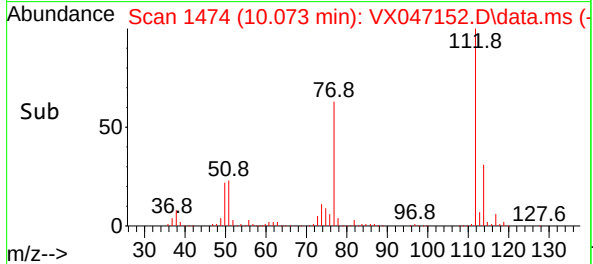
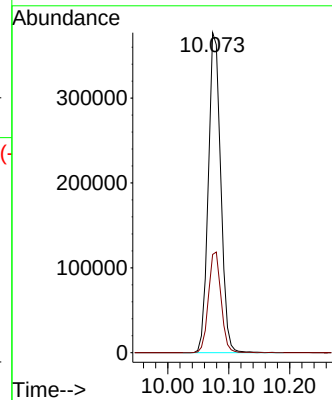
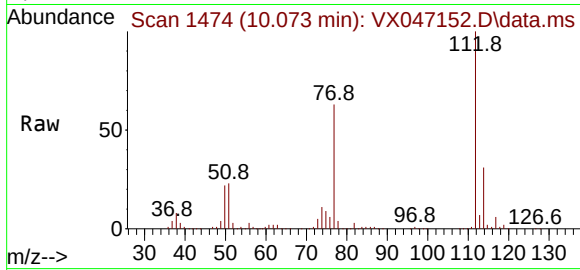
#65
Chlorobenzene
Concen: 44.811 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 53446
Ion Ratio Lower Upper
112 100
114 30.7 25.8 38.6

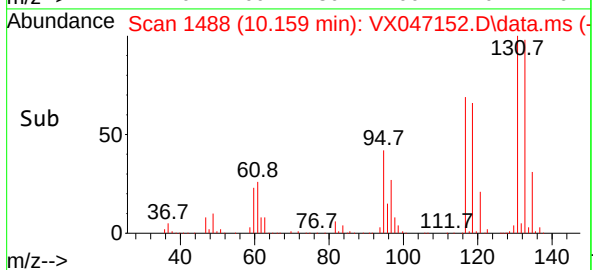
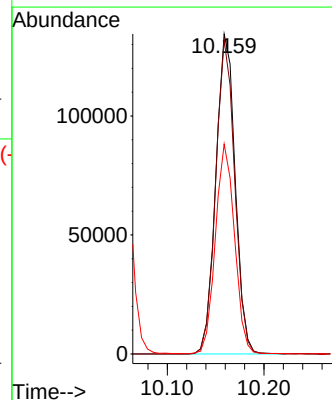
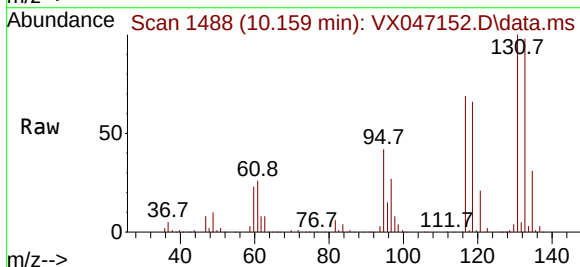
Manual Integrations
APPROVED

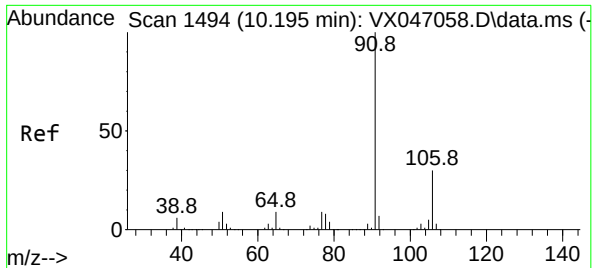
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 46.549 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

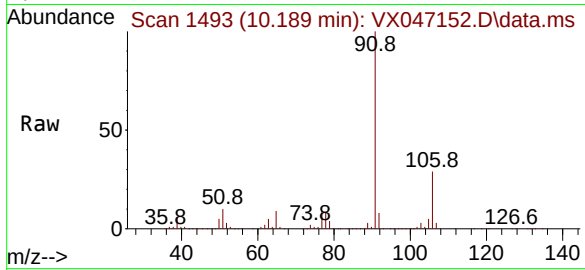
Tgt Ion:131 Resp: 186922
Ion Ratio Lower Upper
131 100
133 96.3 48.4 145.3
119 65.1 32.4 97.0





#67
Ethyl Benzene
Concen: 45.698 ug/l
RT: 10.189 min Scan# 1494
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

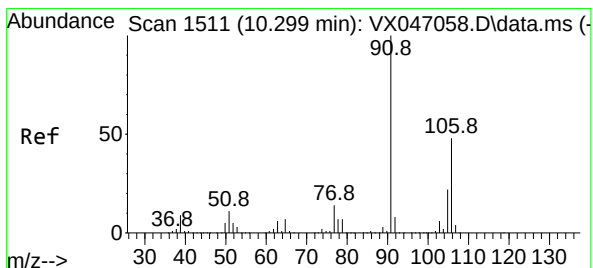
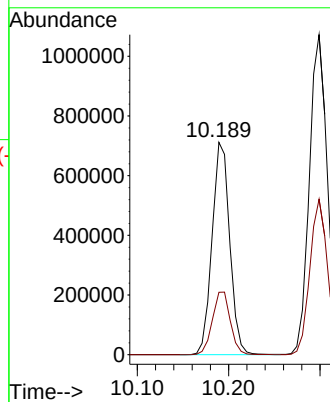
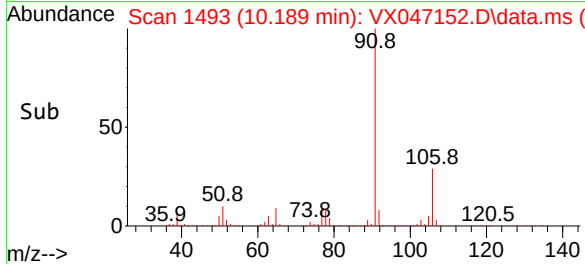
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 91 Resp: 952979
Ion Ratio Lower Upper
91 100
106 29.4 24.2 36.4

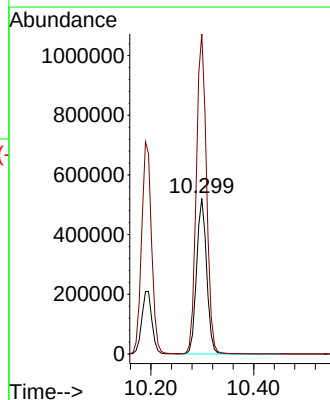
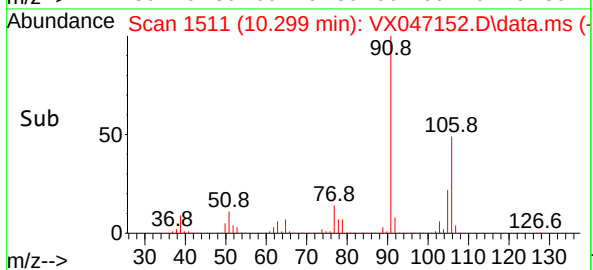
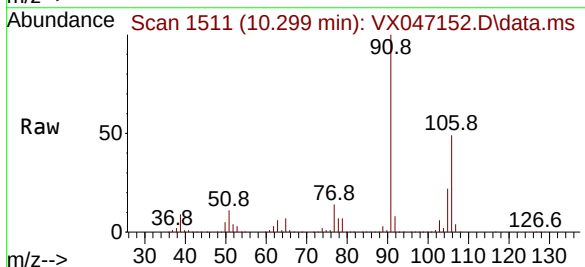
Manual Integrations
APPROVED

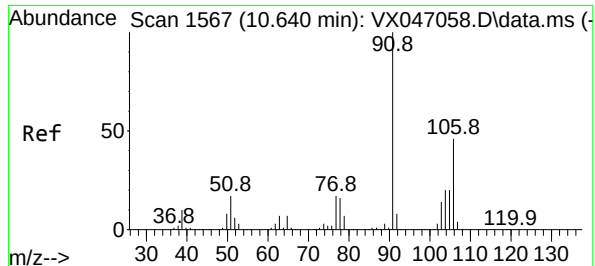
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#68
m/p-Xylenes
Concen: 90.690 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion:106 Resp: 707744
Ion Ratio Lower Upper
106 100
91 209.6 167.4 251.0





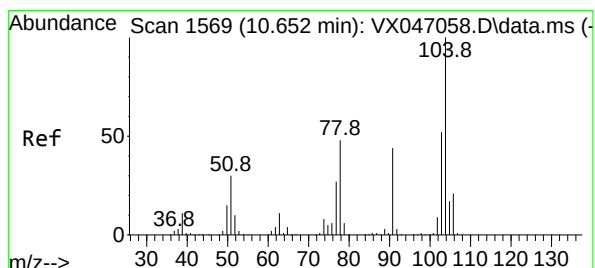
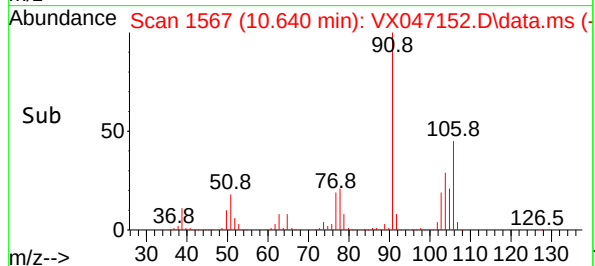
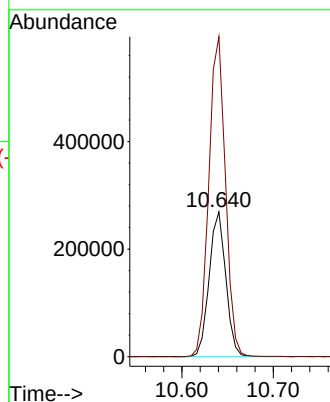
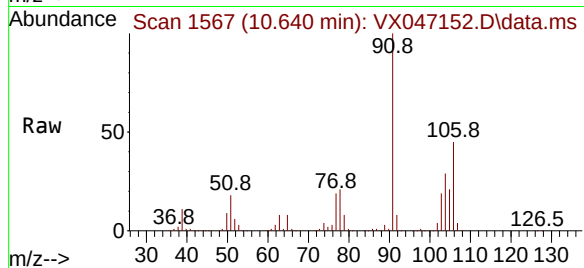
#69
o-Xylene
Concen: 45.759 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 339720
Ion Ratio Lower Upper
106 100
91 221.6 110.3 331.0

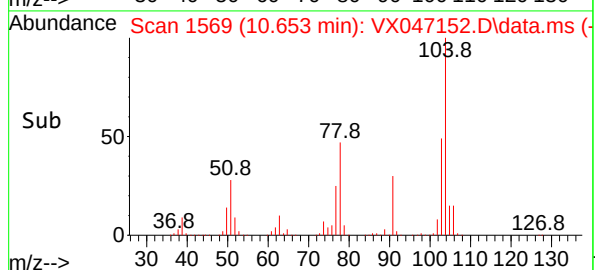
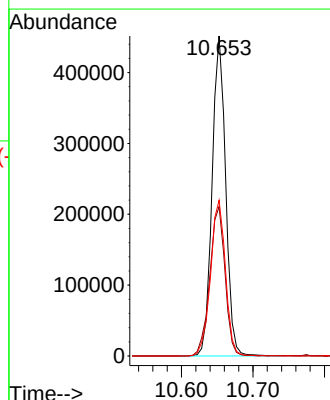
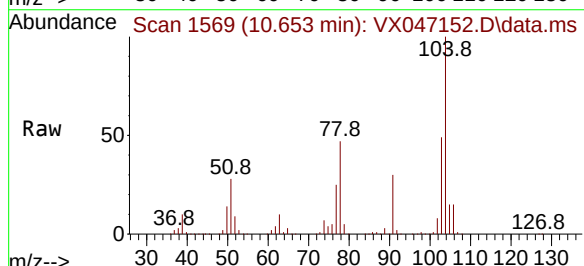
Manual Integrations
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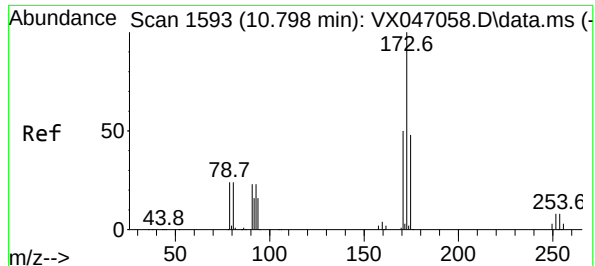
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#70
Styrene
Concen: 46.608 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

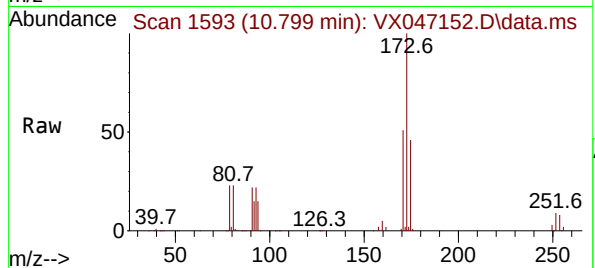
Tgt Ion:104 Resp: 593341
Ion Ratio Lower Upper
104 100
78 52.6 42.0 63.0
103 53.6 43.8 65.6





#71
Bromoform
Concen: 46.358 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

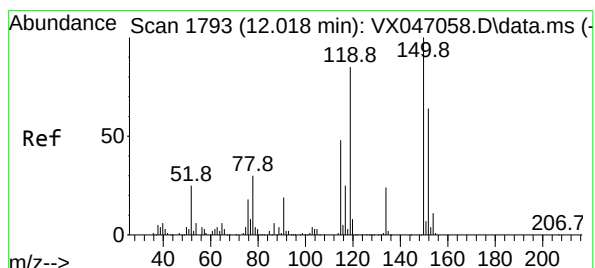
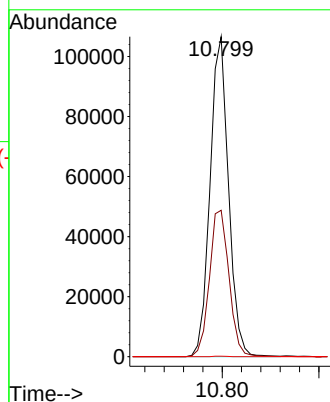
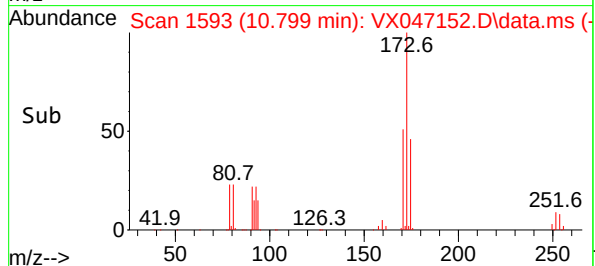
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



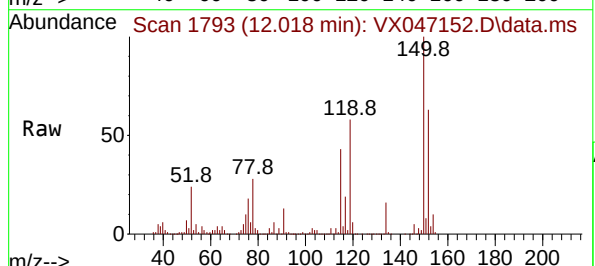
Tgt Ion:173 Resp: 141410
Ion Ratio Lower Upper
173 100
175 48.6 24.2 72.6
254 0.1 0.1 0.1

Manual Integrations
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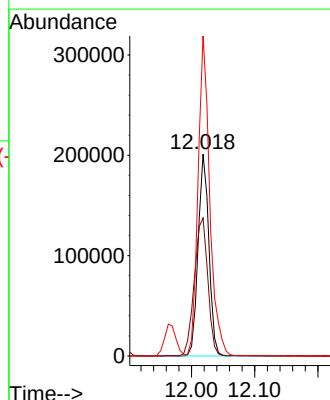
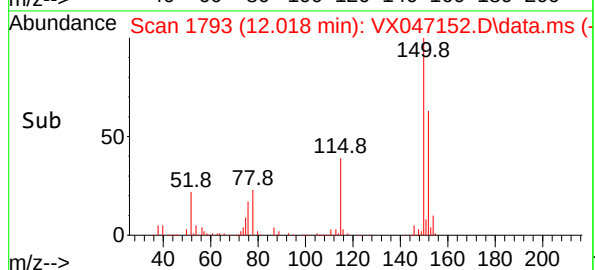
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025

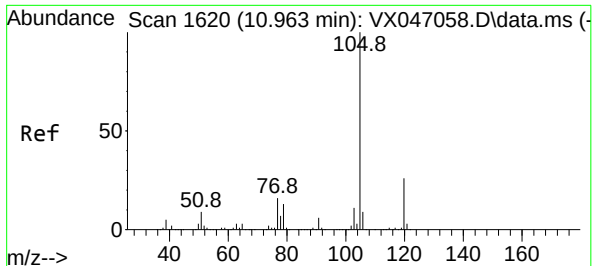


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.001 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23



Tgt Ion:152 Resp: 238942
Ion Ratio Lower Upper
152 100
115 85.5 45.6 136.7
150 172.4 0.0 354.6





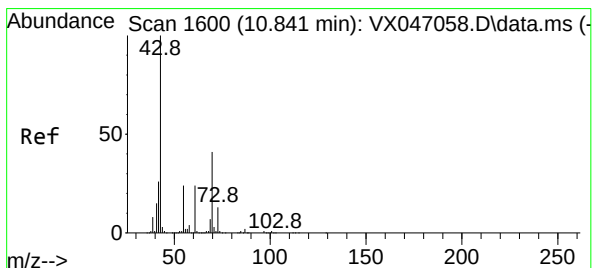
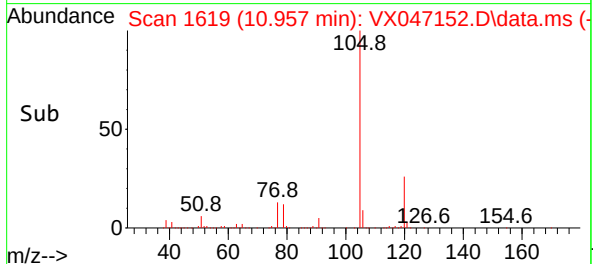
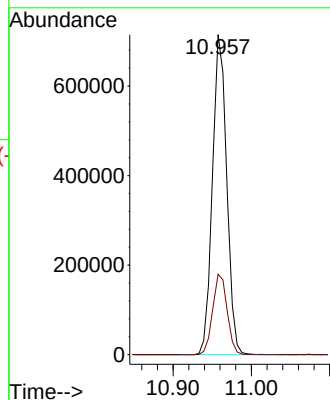
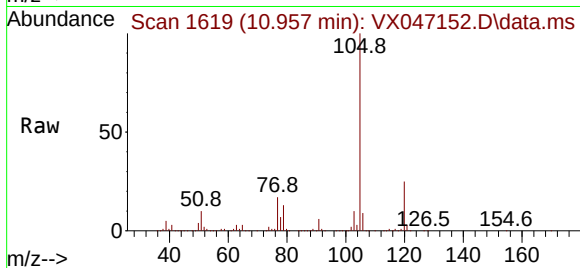
#73
Isopropylbenzene
Concen: 47.859 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 902188
Ion Ratio Lower Upper
105 100
120 25.6 12.9 38.7

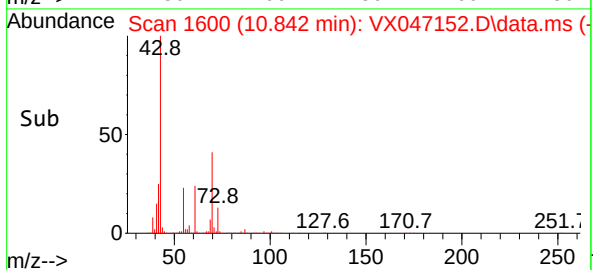
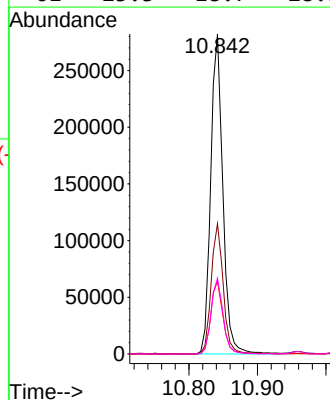
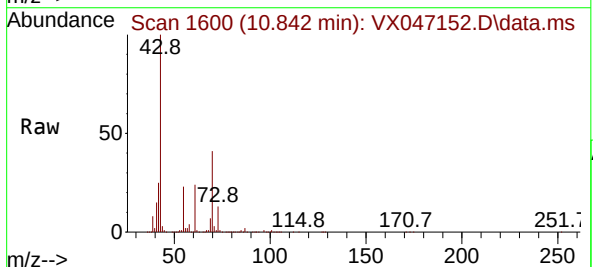
Manual Integrations
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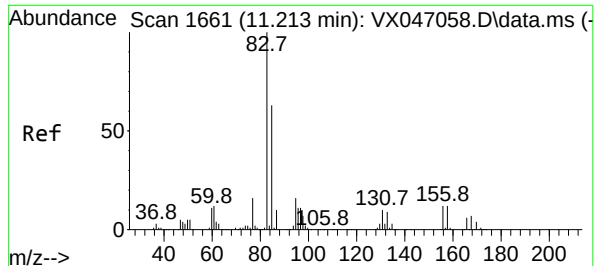
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#74
N-ethyl acetate
Concen: 45.866 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.001 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion: 43 Resp: 348863
Ion Ratio Lower Upper
43 100
70 40.5 32.3 48.5
55 22.9 18.9 28.3
61 23.3 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 45.301 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 24393

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

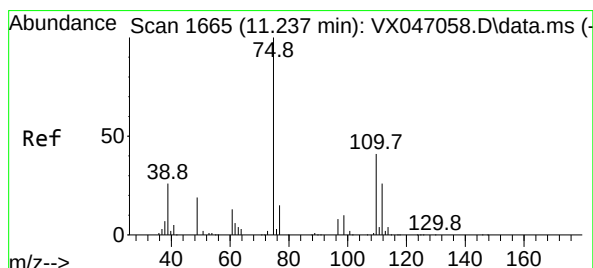
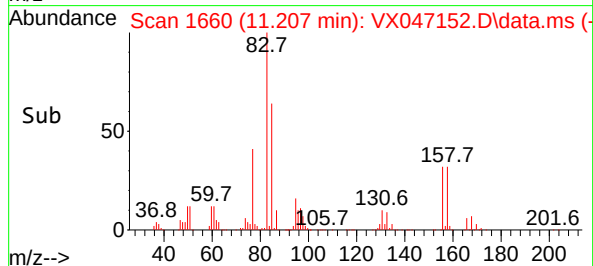
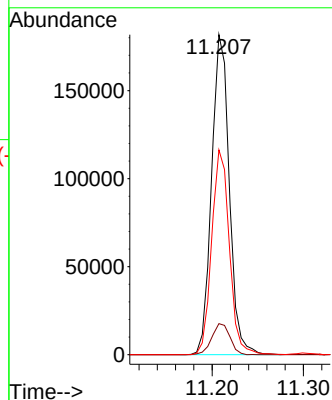
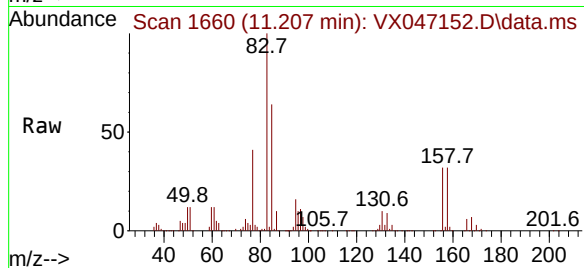
85 64.0 32.0 96.2

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#76

1,2,3-Trichloropropane

Concen: 45.094 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.001 min

Lab File: VX047152.D

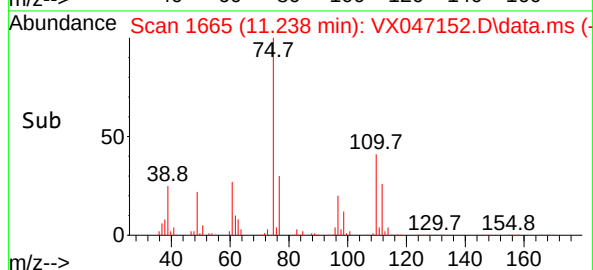
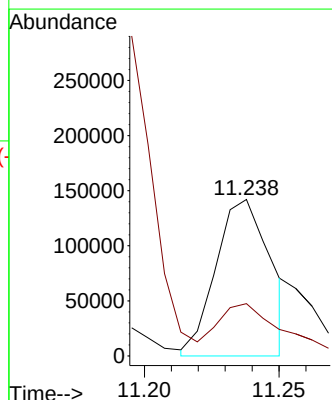
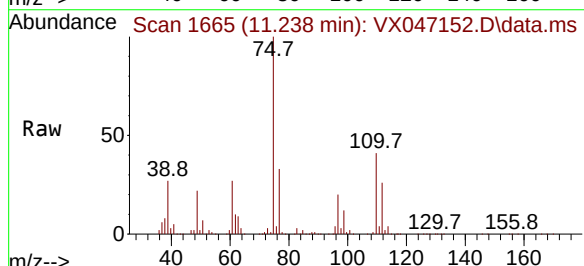
Acq: 28 Jul 2025 09:23

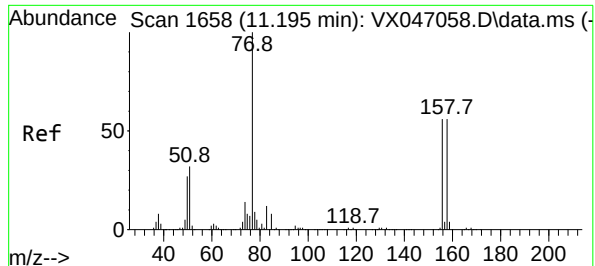
Tgt Ion: 75 Resp: 199438

Ion Ratio Lower Upper

75 100

77 40.4 21.6 65.0





#77

Bromobenzene

Concen: 47.216 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 213480

Ion Ratio Lower Upper

156 100

77 175.9 87.3 261.9

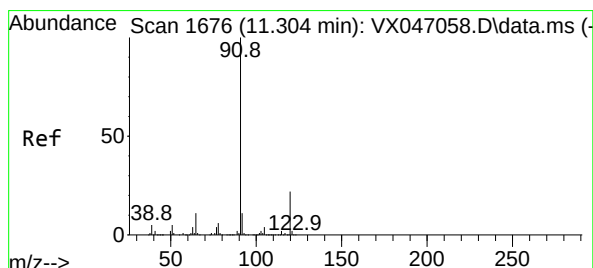
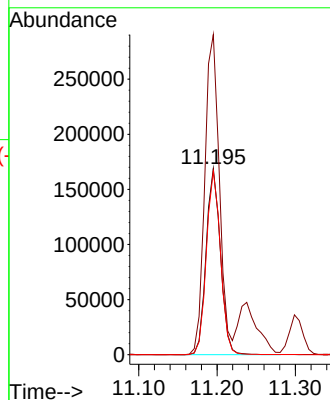
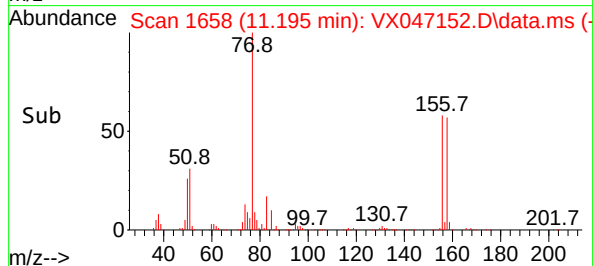
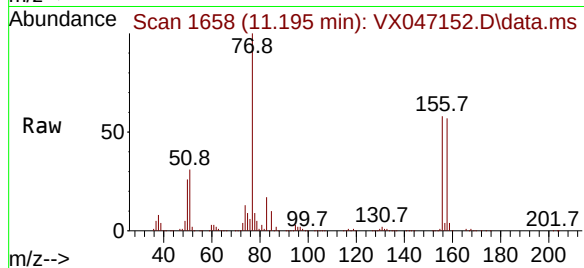
158 97.8 48.9 146.6

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#78

n-propylbenzene

Concen: 47.283 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.006 min

Lab File: VX047152.D

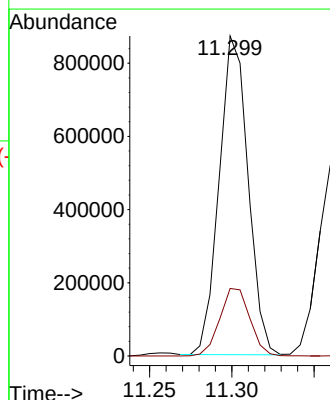
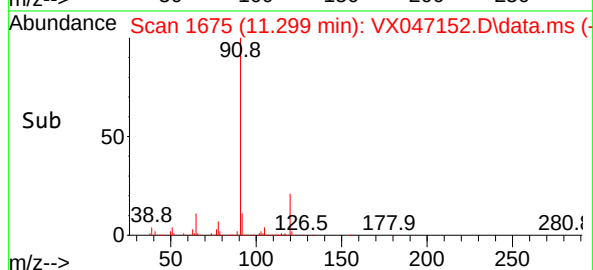
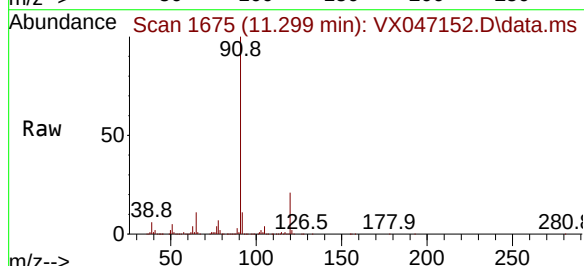
Acq: 28 Jul 2025 09:23

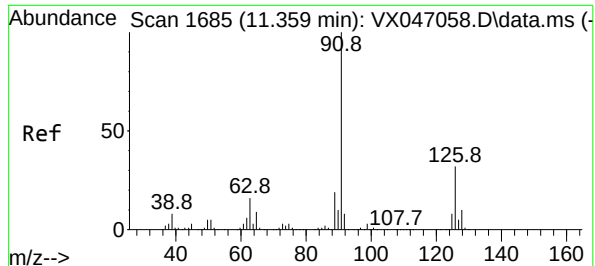
Tgt Ion: 91 Resp: 1065137

Ion Ratio Lower Upper

91 100

120 22.1 11.0 33.0





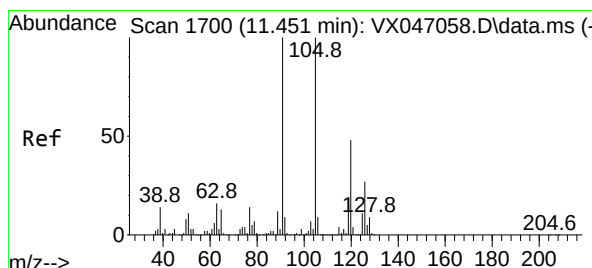
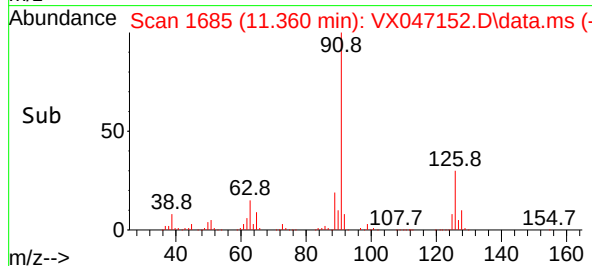
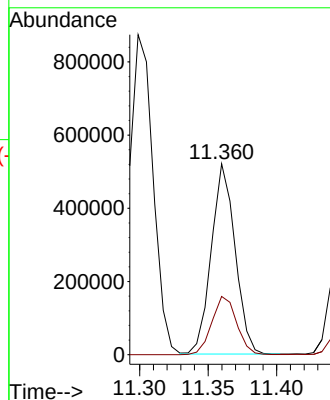
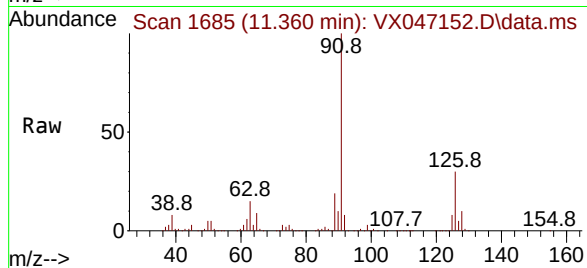
#79
2-Chlorotoluene
Concen: 46.686 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 62866
Ion Ratio Lower Upper
91 100
126 31.9 16.4 49.4

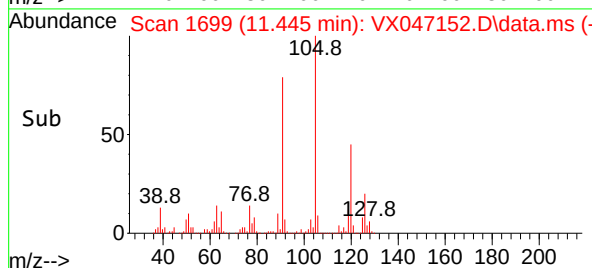
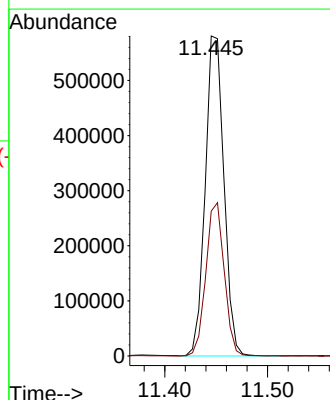
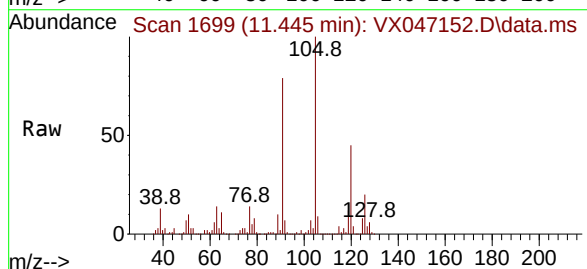
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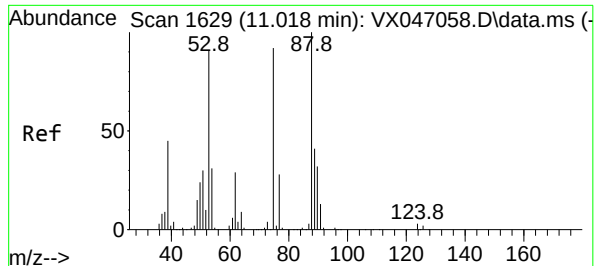
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#80
1,3,5-Trimethylbenzene
Concen: 47.211 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

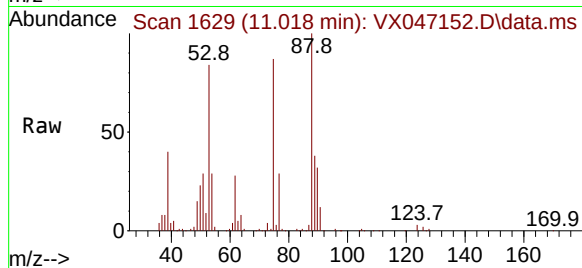
Tgt Ion:105 Resp: 735251
Ion Ratio Lower Upper
105 100
120 47.1 23.8 71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 32.719 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.001 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

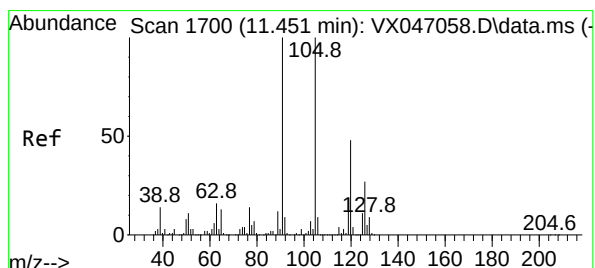
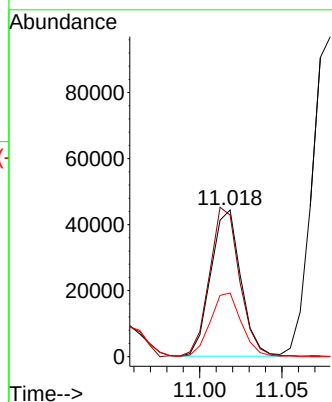
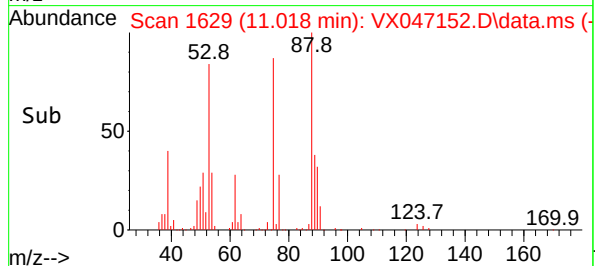
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 56160
Ion Ratio Lower Upper
75 100
53 103.4 84.2 126.4
89 45.4 36.0 54.0

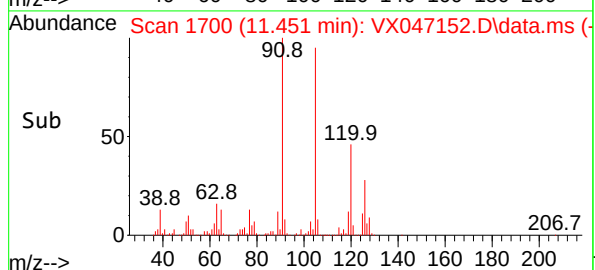
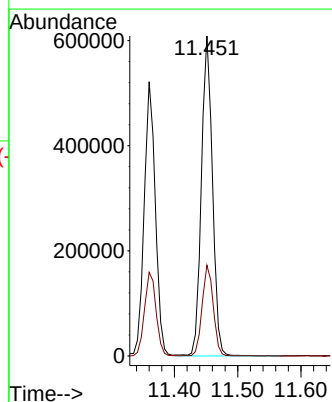
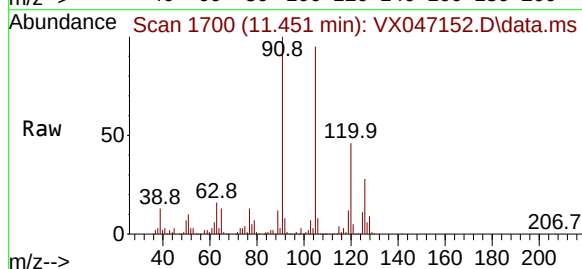
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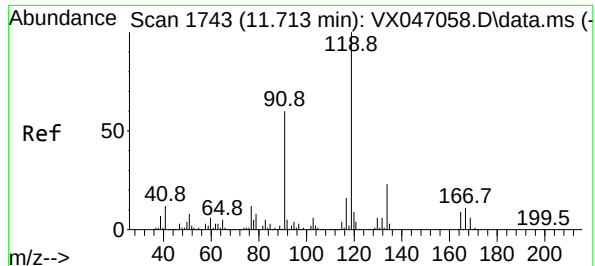
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#82
4-Chlorotoluene
Concen: 47.268 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion: 91 Resp: 742930
Ion Ratio Lower Upper
91 100
126 28.5 14.1 42.3





#83

tert-Butylbenzene

Concen: 48.070 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 751394

Ion Ratio Lower Upper

119 100

91 58.3 29.6 88.8

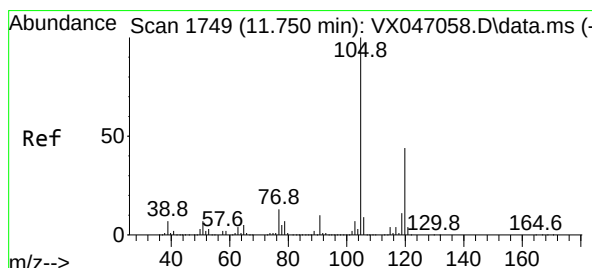
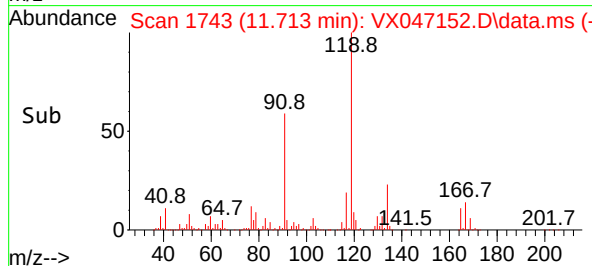
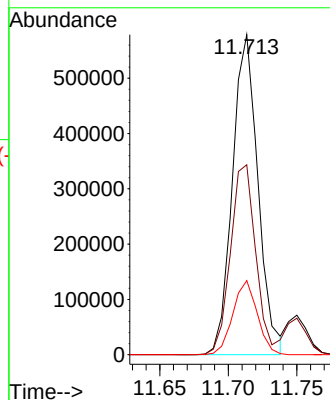
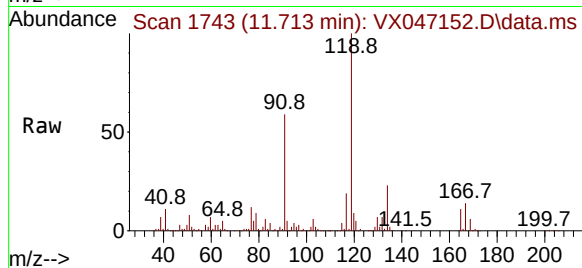
134 22.2 11.4 34.1

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#84

1,2,4-Trimethylbenzene

Concen: 47.360 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX047152.D

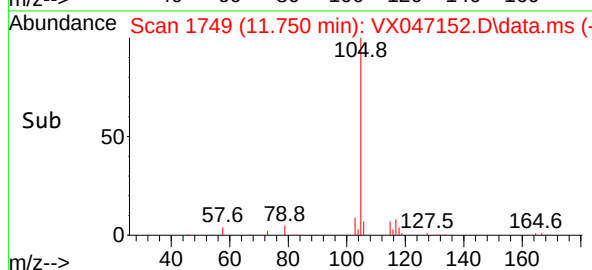
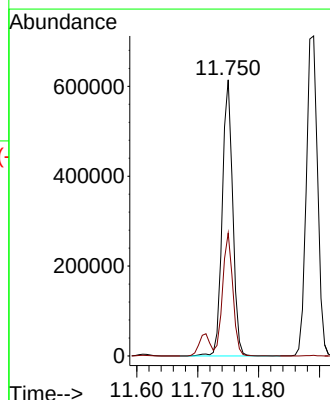
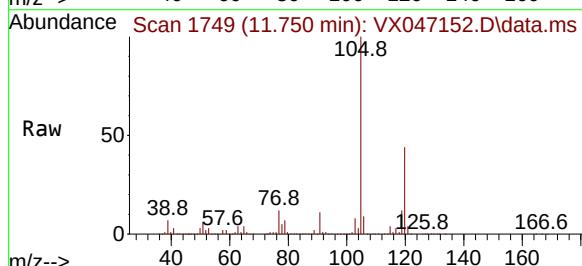
Acq: 28 Jul 2025 09:23

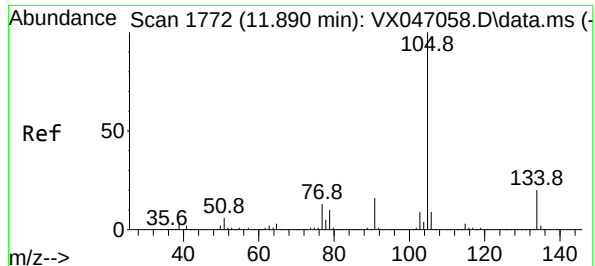
Tgt Ion:105 Resp: 735683

Ion Ratio Lower Upper

105 100

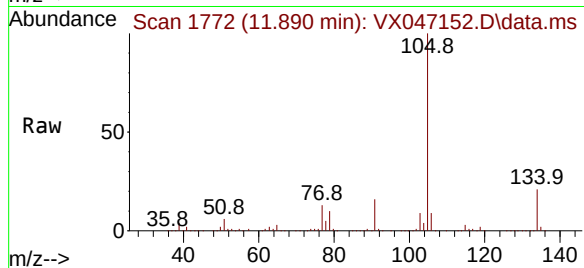
120 43.5 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 46.750 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX047152.D
 Acq: 28 Jul 2025 09:23

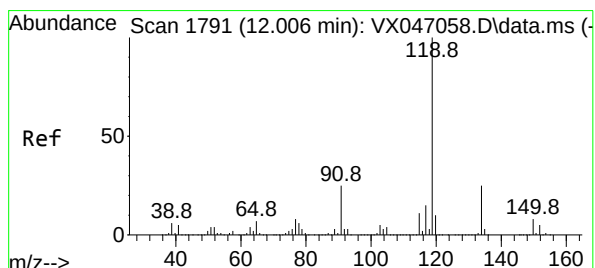
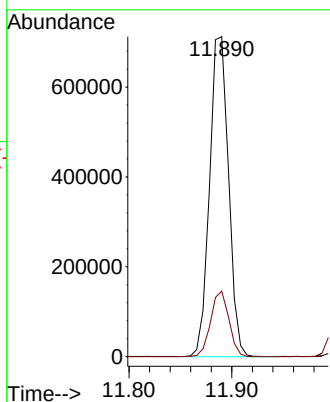
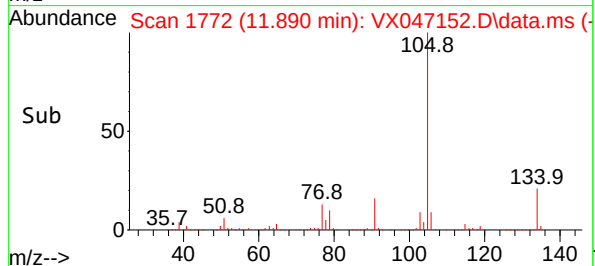
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050



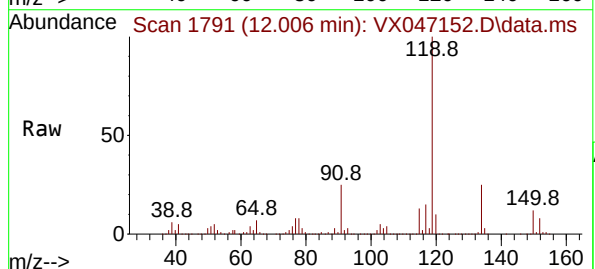
Tgt Ion:105 Resp: 913050
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.9 29.7

Manual Integrations
 APPROVED

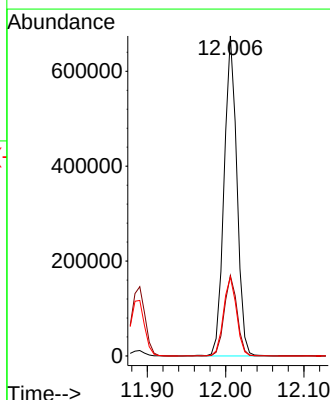
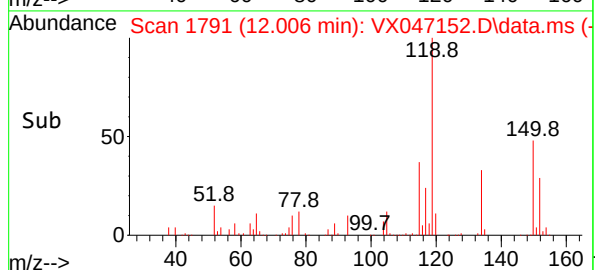
Reviewed By :John Carlone 07/29/2025
 Supervised By :Mahesh Dadoda 07/29/2025

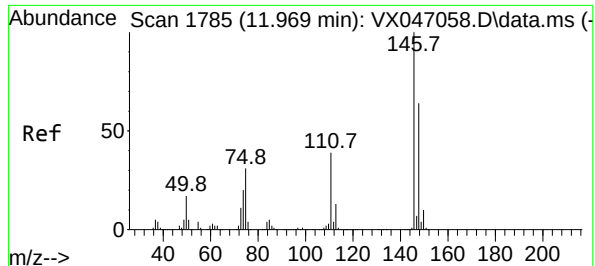


#86
 p-Isopropyltoluene
 Concen: 47.481 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX047152.D
 Acq: 28 Jul 2025 09:23



Tgt Ion:119 Resp: 769018
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.4
 91 25.1 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 45.908 ug/l

RT: 11.963 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 394408

Ion Ratio Lower Upper

146 100

111 42.2 21.0 63.0

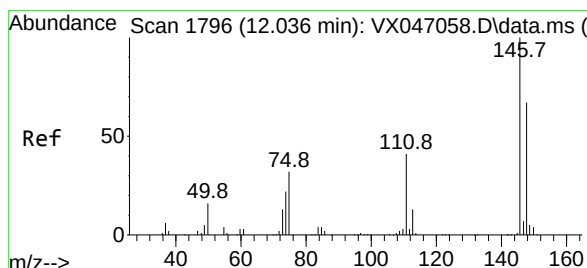
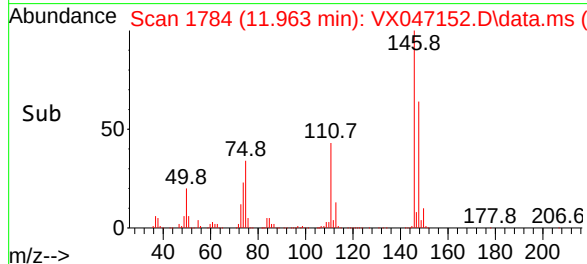
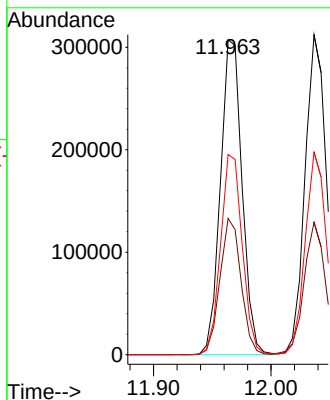
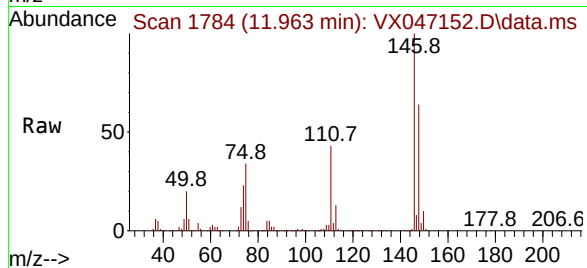
148 63.6 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#88

1,4-Dichlorobenzene

Concen: 45.547 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

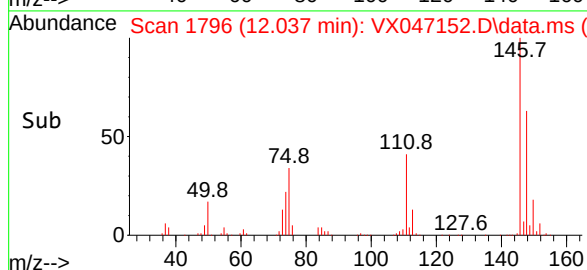
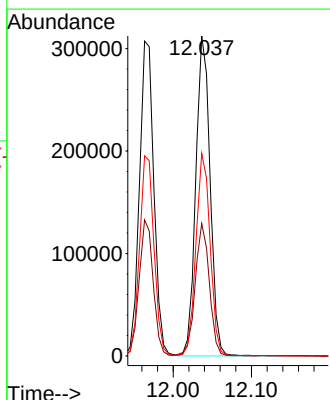
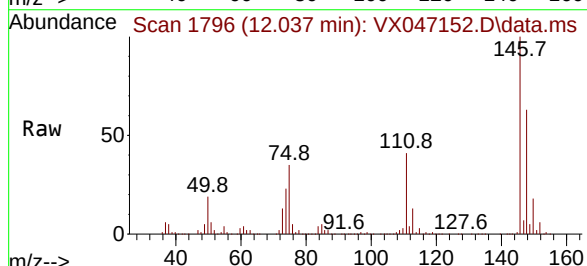
Tgt Ion:146 Resp: 396440

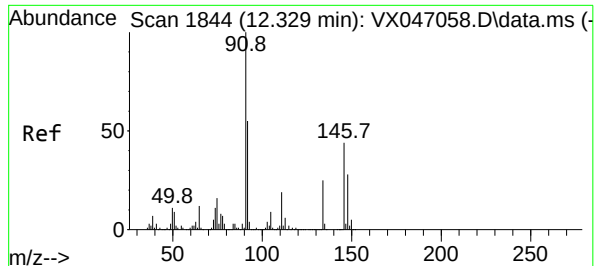
Ion Ratio Lower Upper

146 100

111 41.2 20.6 61.9

148 62.7 33.0 98.9





#89

n-Butylbenzene

Concen: 47.248 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.001 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 71764

Ion Ratio Lower Upper

91 100

92 54.1 27.5 82.5

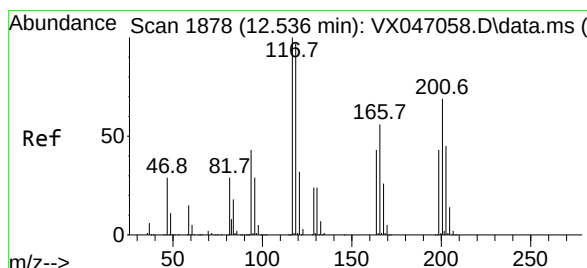
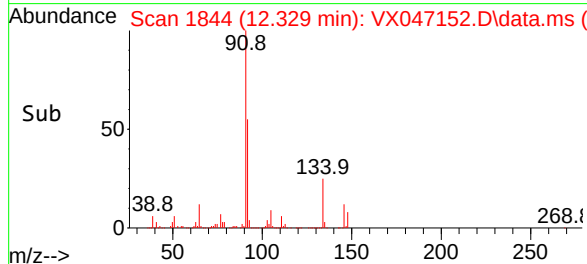
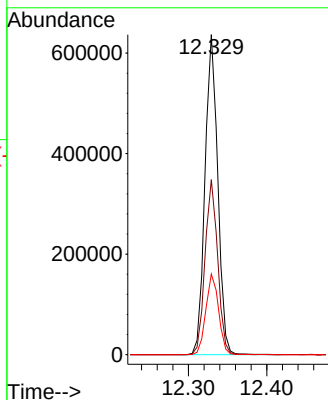
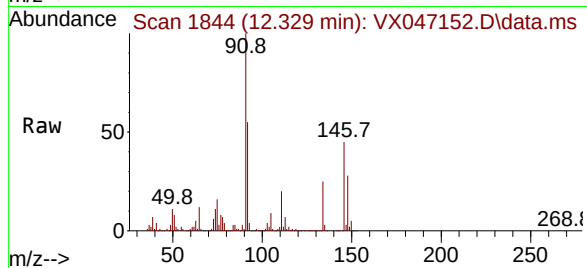
134 25.2 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#90

Hexachloroethane

Concen: 49.718 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.001 min

Lab File: VX047152.D

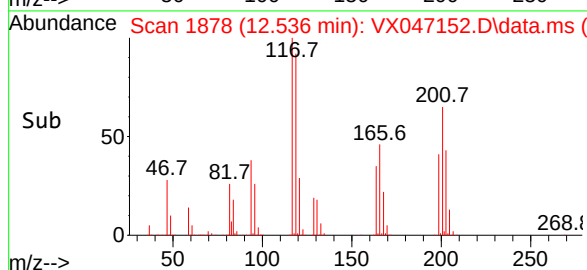
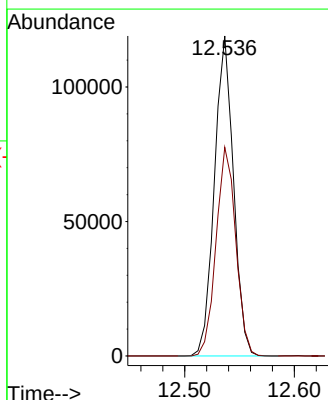
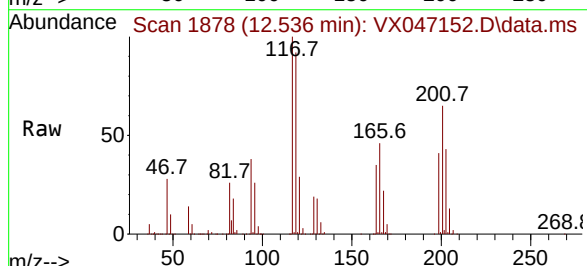
Acq: 28 Jul 2025 09:23

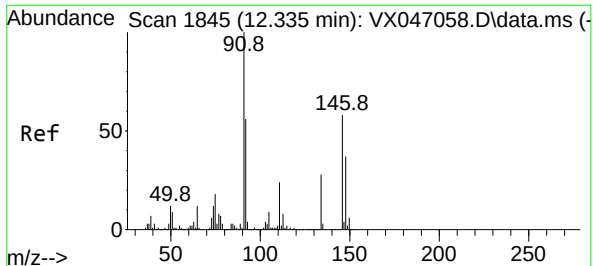
Tgt Ion:117 Resp: 144057

Ion Ratio Lower Upper

117 100

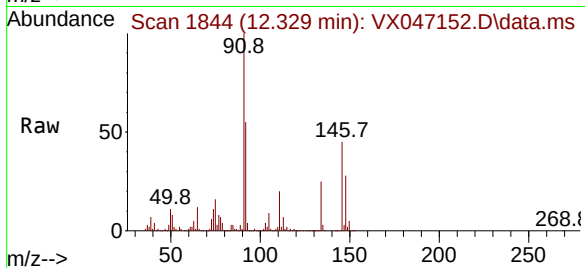
201 67.4 34.8 104.5





#91
1,2-Dichlorobenzene
Concen: 45.154 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

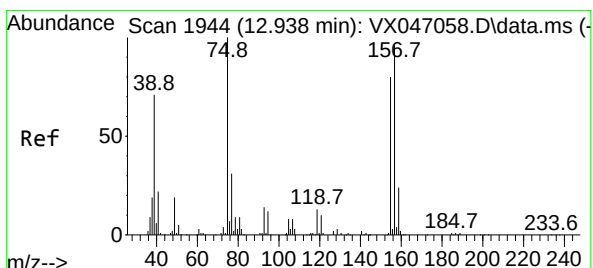
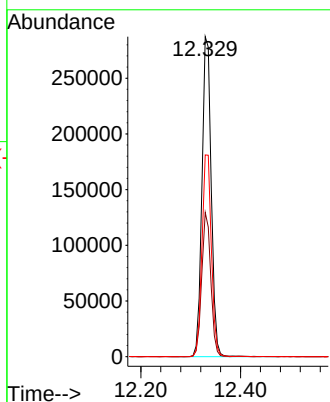
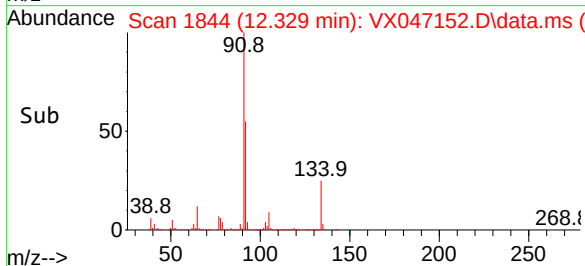
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 370762
Ion Ratio Lower Upper
146 100
111 44.1 21.6 64.6
148 64.3 31.9 95.7

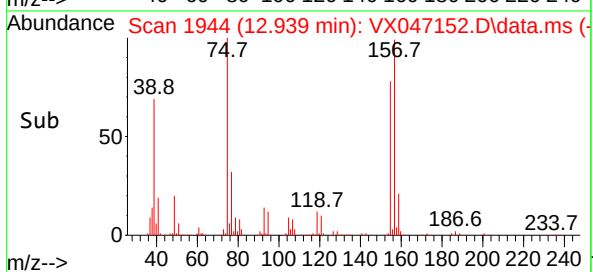
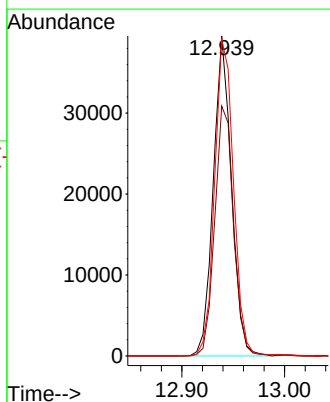
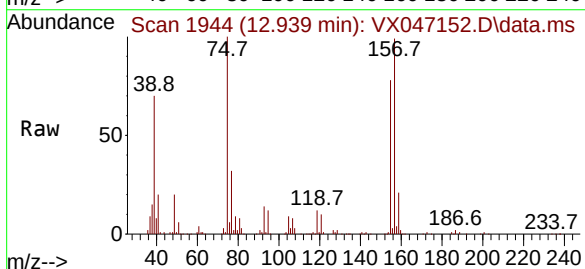
Manual Integrations
APPROVED

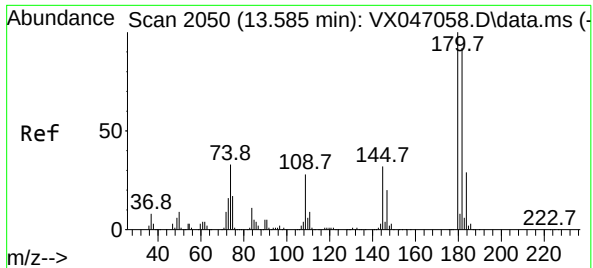
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.958 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

Tgt Ion: 75 Resp: 48536
Ion Ratio Lower Upper
75 100
155 80.1 41.3 124.1
157 102.9 52.8 158.3





#93

1,2,4-Trichlorobenzene

Concen: 46.076 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX047152.D

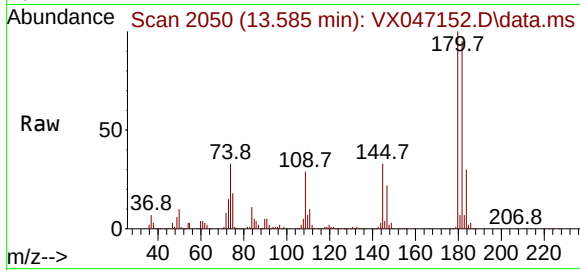
Acq: 28 Jul 2025 09:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion:180 Resp: 249960

Ion Ratio Lower Upper

180 100

182 95.9 47.3 141.8

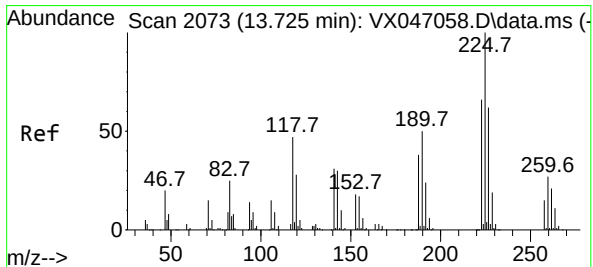
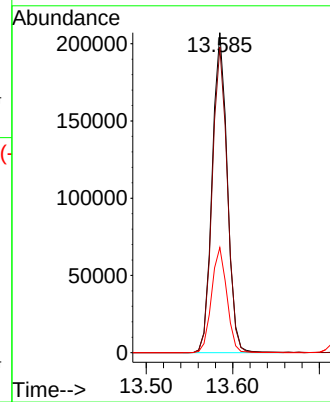
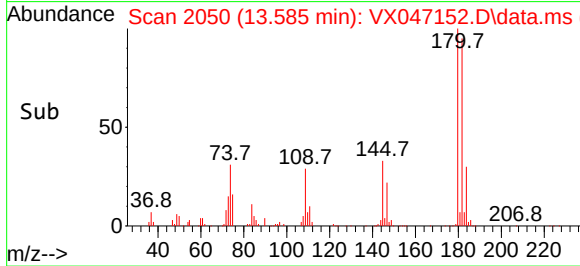
145 33.2 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#94

Hexachlorobutadiene

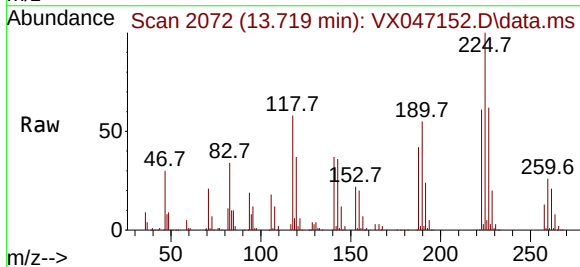
Concen: 45.994 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX047152.D

Acq: 28 Jul 2025 09:23



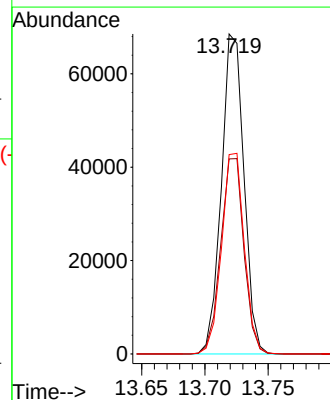
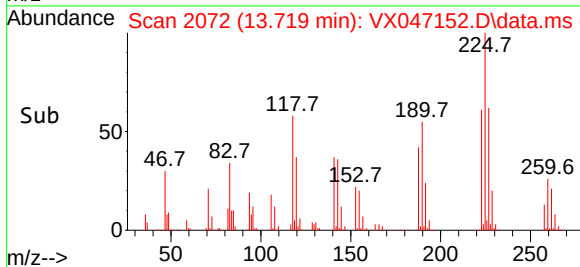
Tgt Ion:225 Resp: 84859

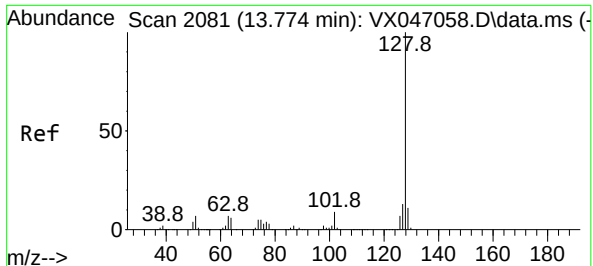
Ion Ratio Lower Upper

225 100

223 62.9 31.6 95.0

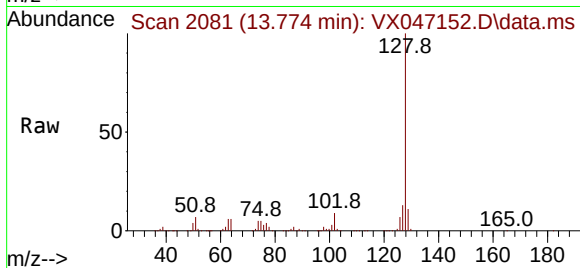
227 63.2 32.9 98.6





#95
Naphthalene
Concen: 46.309 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.001 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23

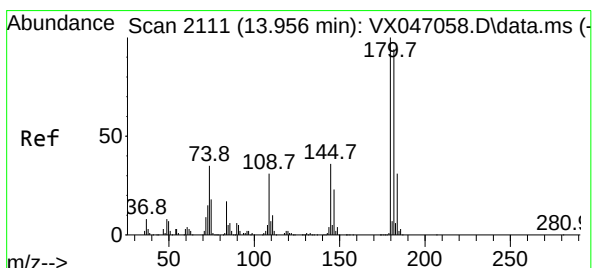
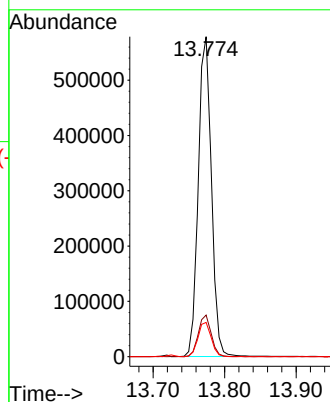
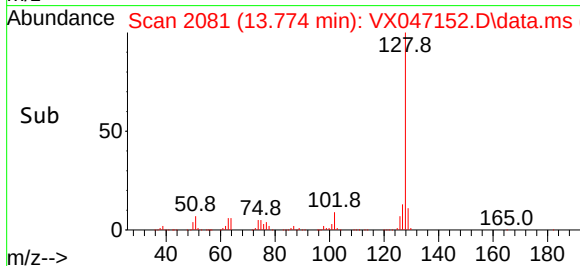
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



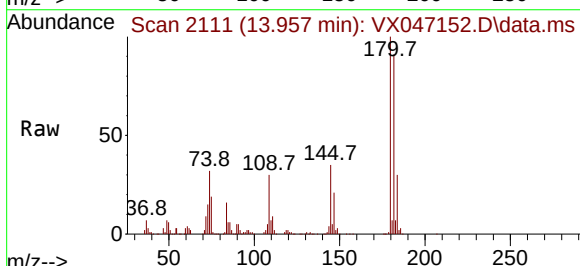
Tgt Ion:128 Resp: 736500
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.8 8.6 13.0

Manual Integrations
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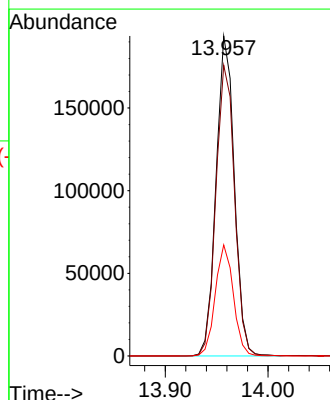
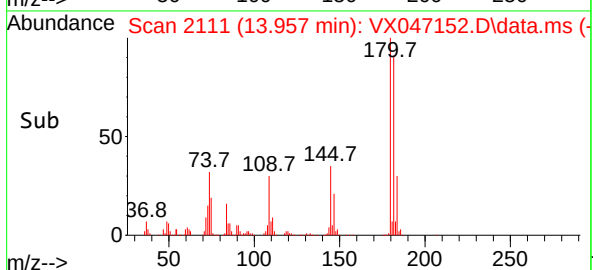
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#96
1,2,3-Trichlorobenzene
Concen: 45.561 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047152.D
Acq: 28 Jul 2025 09:23



Tgt Ion:180 Resp: 238122
Ion Ratio Lower Upper
180 100
182 93.2 46.9 140.6
145 34.4 17.3 52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047152.D
 Acq On : 28 Jul 2025 09:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 29 02:09:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	112	0.00
2 T	Dichlorodifluoromethane	0.664	0.674	-1.5	98	0.00
3 P	Chloromethane	0.657	0.552	16.0	89	0.00
4 C	Vinyl Chloride	0.706	0.718	-1.7#	103	0.00
5 T	Bromomethane	0.384	0.358	6.8	90	0.01
6 T	Chloroethane	0.464	0.405	12.7	97	0.00
7 T	Trichlorofluoromethane	1.053	1.029	2.3	100	0.00
8 T	Diethyl Ether	0.371	0.355	4.3	102	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.634	0.615	3.0	102	0.00
10 T	Methyl Iodide	0.647	0.854	-32.0#	132	0.00
11 T	Tert butyl alcohol	0.080	0.060	25.0#	92	0.00
12 CM	1,1-Dichloroethene	0.628	0.597	4.9#	99	0.00
13 T	Acrolein	0.134	0.132	1.5	107	0.00
14 T	Allyl chloride	1.136	1.030	9.3	93	0.00
15 T	Acrylonitrile	0.297	0.260	12.5	89	0.00
16 T	Acetone	0.250	0.283	-13.2	126	0.00
17 T	Carbon Disulfide	1.818	1.620	10.9	94	0.00
18 T	Methyl Acetate	0.663	0.647	2.4	106	0.00
19 T	Methyl tert-butyl Ether	1.912	1.849	3.3	101	0.00
20 T	Methylene Chloride	0.686	0.627	8.6	98	0.00
21 T	trans-1,2-Dichloroethene	0.643	0.600	6.7	97	0.00
22 T	Diisopropyl ether	2.184	2.101	3.8	100	0.00
23 T	Vinyl Acetate	1.752	1.677	4.3	97	0.00
24 P	1,1-Dichloroethane	1.214	1.143	5.8	99	0.00
25 T	2-Butanone	0.363	0.326	10.2	94	0.00
26 T	2,2-Dichloropropane	0.940	0.949	-1.0	109	0.00
27 T	cis-1,2-Dichloroethene	0.761	0.700	8.0	97	0.00
28 T	Bromochloromethane	0.559	0.524	6.3	97	0.00
29 T	Tetrahydrofuran	0.234	0.192	17.9	84	0.00
30 C	Chloroform	1.236	1.131	8.5#	99	-0.01
31 T	Cyclohexane	1.164	1.026	11.9	95	0.00
32 T	1,1,1-Trichloroethane	1.074	1.006	6.3	100	0.00
33 S	1,2-Dichloroethane-d4	0.623	0.583	6.4	114	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	113	0.00
35 S	Dibromofluoromethane	0.309	0.303	1.9	116	0.00
36 T	1,1-Dichloropropene	0.526	0.457	13.1	95	0.00
37 T	Ethyl Acetate	0.485	0.427	12.0	94	0.00
38 T	Carbon Tetrachloride	0.562	0.512	8.9	97	0.00
39 T	Methylcyclohexane	0.657	0.591	10.0	96	0.00
40 TM	Benzene	1.523	1.374	9.8	94	0.00
41 T	Methacrylonitrile	0.254	0.222	12.6	86	0.00
42 TM	1,2-Dichloroethane	0.536	0.489	8.8	96	-0.01
43 T	Isopropyl Acetate	0.756	0.701	7.3	93	-0.01
44 TM	Trichloroethene	0.391	0.343	12.3	92	0.00
45 C	1,2-Dichloropropane	0.381	0.348	8.7#	96	0.00
46 T	Dibromomethane	0.267	0.247	7.5	95	0.00
47 T	Bromodichloromethane	0.569	0.530	6.9	97	0.00
48 T	Methyl methacrylate	0.412	0.359	12.9	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047152.D
 Acq On : 28 Jul 2025 09:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 29 02:09:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.005	0.004	20.0	87	0.06
50 S	Toluene-d8	1.000	0.902	9.8	110	0.00
51 T	4-Methyl-2-Pentanone	0.449	0.383	14.7	87	0.00
52 CM	Toluene	0.936	0.841	10.1#	94	0.00
53 T	t-1,3-Dichloropropene	0.538	0.512	4.8	98	0.00
54 T	cis-1,3-Dichloropropene	0.588	0.554	5.8	96	0.00
55 T	1,1,2-Trichloroethane	0.351	0.314	10.5	94	0.00
56 T	Ethyl methacrylate	0.520	0.492	5.4	93	0.00
57 T	1,3-Dichloropropane	0.610	0.539	11.6	93	0.00
58 T	2-Chloroethyl Vinyl ether	0.289	0.249	13.8	87	0.00
59 T	2-Hexanone	0.297	0.265	10.8	87	0.00
60 T	Dibromochloromethane	0.412	0.383	7.0	98	0.00
61 T	1,2-Dibromoethane	0.367	0.317	13.6	91	0.00
62 S	4-Bromofluorobenzene	0.431	0.402	6.7	111	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
64 T	Tetrachloroethene	0.360	0.318	11.7	93	0.00
65 PM	Chlorobenzene	1.171	1.050	10.3	93	0.00
66 T	1,1,1,2-Tetrachloroethane	0.394	0.367	6.9	96	0.00
67 C	Ethyl Benzene	2.048	1.872	8.6#	93	0.00
68 T	m/p-Xylenes	0.766	0.695	9.3	93	0.00
69 T	o-Xylene	0.729	0.667	8.5	93	0.00
70 T	Styrene	1.250	1.165	6.8	94	0.00
71 P	Bromoform	0.300	0.278	7.3	94	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73 T	Isopropylbenzene	3.945	3.776	4.3	94	0.00
74 T	N-amyl acetate	1.592	1.460	8.3	87	0.00
75 P	1,1,2,2-Tetrachloroethane	1.127	1.021	9.4	90	0.00
76 T	1,2,3-Trichloropropane	0.925	0.835	9.7	90	0.00
77 T	Bromobenzene	0.946	0.893	5.6	94	0.00
78 T	n-propylbenzene	4.714	4.458	5.4	93	0.00
79 T	2-Chlorotoluene	2.818	2.631	6.6	93	0.00
80 T	1,3,5-Trimethylbenzene	3.259	3.077	5.6	93	0.00
81 T	trans-1,4-Dichloro-2-butene	0.359	0.235	34.5#	64	0.00
82 T	4-Chlorotoluene	3.289	3.109	5.5	93	0.00
83 T	tert-Butylbenzene	3.271	3.145	3.9	94	0.00
84 T	1,2,4-Trimethylbenzene	3.251	3.079	5.3	92	0.00
85 T	sec-Butylbenzene	4.087	3.821	6.5	93	0.00
86 T	p-Isopropyltoluene	3.389	3.218	5.0	93	0.00
87 T	1,3-Dichlorobenzene	1.798	1.651	8.2	92	0.00
88 T	1,4-Dichlorobenzene	1.821	1.659	8.9	94	0.00
89 T	n-Butylbenzene	3.178	3.003	5.5	93	0.00
90 T	Hexachloroethane	0.606	0.603	0.5	98	0.00
91 T	1,2-Dichlorobenzene	1.718	1.552	9.7	91	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.216	0.203	6.0	91	0.00
93 T	1,2,4-Trichlorobenzene	1.135	1.046	7.8	91	0.00
94 T	Hexachlorobutadiene	0.386	0.355	8.0	93	0.00
95 T	Naphthalene	3.328	3.082	7.4	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
Data File : VX047152.D
Acq On : 28 Jul 2025 09:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 29 02:09:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.094	0.997	8.9	91	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047152.D
 Acq On : 28 Jul 2025 09:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 29 02:09:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	112	0.00
2 T	Dichlorodifluoromethane	50.000	50.727	-1.5	98	0.00
3 P	Chloromethane	50.000	42.008	16.0	89	0.00
4 C	Vinyl Chloride	50.000	50.863	-1.7#	103	0.00
5 T	Bromomethane	50.000	46.679	6.6	90	0.01
6 T	Chloroethane	50.000	43.650	12.7	97	0.00
7 T	Trichlorofluoromethane	50.000	48.881	2.2	100	0.00
8 T	Diethyl Ether	50.000	47.869	4.3	102	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.434	3.1	102	0.00
10 T	Methyl Iodide	50.000	66.016	-32.0#	132	0.00
11 T	Tert butyl alcohol	250.000	203.399	18.6	92	0.00
12 CM	1,1-Dichloroethene	50.000	47.514	5.0#	99	0.00
13 T	Acrolein	250.000	245.986	1.6	107	0.00
14 T	Allyl chloride	50.000	45.322	9.4	93	0.00
15 T	Acrylonitrile	250.000	219.000	12.4	89	0.00
16 T	Acetone	250.000	283.344	-13.3	126	0.00
17 T	Carbon Disulfide	50.000	44.560	10.9	94	0.00
18 T	Methyl Acetate	50.000	48.775	2.5	106	0.00
19 T	Methyl tert-butyl Ether	50.000	48.357	3.3	101	0.00
20 T	Methylene Chloride	50.000	45.675	8.7	98	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.623	6.8	97	0.00
22 T	Diisopropyl ether	50.000	48.111	3.8	100	0.00
23 T	Vinyl Acetate	250.000	239.393	4.2	97	0.00
24 P	1,1-Dichloroethane	50.000	47.046	5.9	99	0.00
25 T	2-Butanone	250.000	224.280	10.3	94	0.00
26 T	2,2-Dichloropropane	50.000	50.475	-1.0	109	0.00
27 T	cis-1,2-Dichloroethene	50.000	45.987	8.0	97	0.00
28 T	Bromochloromethane	50.000	46.939	6.1	97	0.00
29 T	Tetrahydrofuran	250.000	205.097	18.0	84	0.00
30 C	Chloroform	50.000	45.752	8.5#	99	-0.01
31 T	Cyclohexane	50.000	44.070	11.9	95	0.00
32 T	1,1,1-Trichloroethane	50.000	46.868	6.3	100	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.814	6.4	114	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	113	0.00
35 S	Dibromofluoromethane	50.000	49.137	1.7	116	0.00
36 T	1,1-Dichloropropene	50.000	43.412	13.2	95	0.00
37 T	Ethyl Acetate	50.000	44.001	12.0	94	0.00
38 T	Carbon Tetrachloride	50.000	45.601	8.8	97	0.00
39 T	Methylcyclohexane	50.000	45.012	10.0	96	0.00
40 TM	Benzene	50.000	45.112	9.8	94	0.00
41 T	Methacrylonitrile	50.000	43.782	12.4	86	0.00
42 TM	1,2-Dichloroethane	50.000	45.613	8.8	96	-0.01
43 T	Isopropyl Acetate	50.000	46.379	7.2	93	-0.01
44 TM	Trichloroethene	50.000	43.911	12.2	92	0.00
45 C	1,2-Dichloropropane	50.000	45.568	8.9#	96	0.00
46 T	Dibromomethane	50.000	46.223	7.6	95	0.00
47 T	Bromodichloromethane	50.000	46.566	6.9	97	0.00
48 T	Methyl methacrylate	50.000	43.560	12.9	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047152.D
 Acq On : 28 Jul 2025 09:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 29 02:09:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	855.709	14.4	87	0.06
50 S	Toluene-d8	50.000	45.131	9.7	110	0.00
51 T	4-Methyl-2-Pentanone	250.000	213.132	14.7	87	0.00
52 CM	Toluene	50.000	44.912	10.2#	94	0.00
53 T	t-1,3-Dichloropropene	50.000	47.648	4.7	98	0.00
54 T	cis-1,3-Dichloropropene	50.000	47.037	5.9	96	0.00
55 T	1,1,2-Trichloroethane	50.000	44.741	10.5	94	0.00
56 T	Ethyl methacrylate	50.000	47.289	5.4	93	0.00
57 T	1,3-Dichloropropane	50.000	44.153	11.7	93	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	214.896	14.0	87	0.00
59 T	2-Hexanone	250.000	222.991	10.8	87	0.00
60 T	Dibromochloromethane	50.000	46.475	7.0	98	0.00
61 T	1,2-Dibromoethane	50.000	43.145	13.7	91	0.00
62 S	4-Bromofluorobenzene	50.000	46.695	6.6	111	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	110	0.00
64 T	Tetrachloroethene	50.000	44.044	11.9	93	0.00
65 PM	Chlorobenzene	50.000	44.811	10.4	93	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	46.549	6.9	96	0.00
67 C	Ethyl Benzene	50.000	45.698	8.6#	93	0.00
68 T	m/p-Xylenes	100.000	90.690	9.3	93	0.00
69 T	o-Xylene	50.000	45.759	8.5	93	0.00
70 T	Styrene	50.000	46.608	6.8	94	0.00
71 P	Bromoform	50.000	46.358	7.3	94	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73 T	Isopropylbenzene	50.000	47.859	4.3	94	0.00
74 T	N-ethyl acetate	50.000	45.866	8.3	87	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.301	9.4	90	0.00
76 T	1,2,3-Trichloropropane	50.000	45.094	9.8	90	0.00
77 T	Bromobenzene	50.000	47.216	5.6	94	0.00
78 T	n-propylbenzene	50.000	47.283	5.4	93	0.00
79 T	2-Chlorotoluene	50.000	46.686	6.6	93	0.00
80 T	1,3,5-Trimethylbenzene	50.000	47.211	5.6	93	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	32.719	34.6#	64	0.00
82 T	4-Chlorotoluene	50.000	47.268	5.5	93	0.00
83 T	tert-Butylbenzene	50.000	48.070	3.9	94	0.00
84 T	1,2,4-Trimethylbenzene	50.000	47.360	5.3	92	0.00
85 T	sec-Butylbenzene	50.000	46.750	6.5	93	0.00
86 T	p-Isopropyltoluene	50.000	47.481	5.0	93	0.00
87 T	1,3-Dichlorobenzene	50.000	45.908	8.2	92	0.00
88 T	1,4-Dichlorobenzene	50.000	45.547	8.9	94	0.00
89 T	n-Butylbenzene	50.000	47.248	5.5	93	0.00
90 T	Hexachloroethane	50.000	49.718	0.6	98	0.00
91 T	1,2-Dichlorobenzene	50.000	45.154	9.7	91	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	46.958	6.1	91	0.00
93 T	1,2,4-Trichlorobenzene	50.000	46.076	7.8	91	0.00
94 T	Hexachlorobutadiene	50.000	45.994	8.0	93	0.00
95 T	Naphthalene	50.000	46.309	7.4	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
Data File : VX047152.D
Acq On : 28 Jul 2025 09:23
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 29 02:09:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	45.561	8.9	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



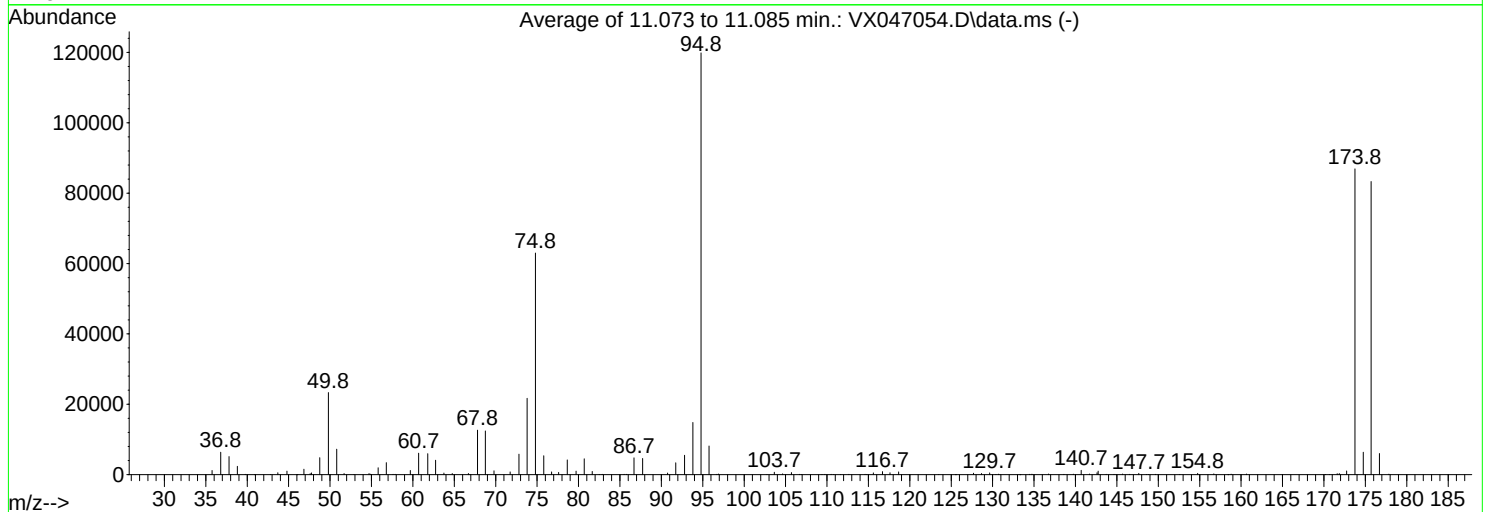
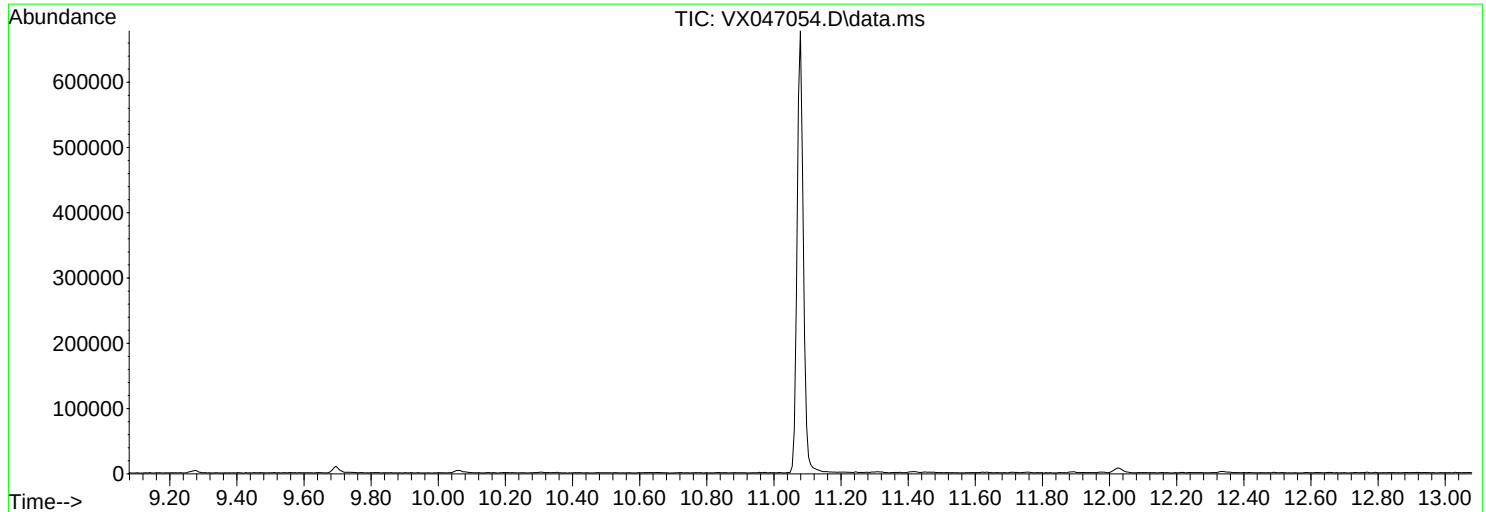
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047054.D
Acq On : 21 Jul 2025 08:53
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Title : SW846 8260
Last Update : Tue Jul 22 03:59:51 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

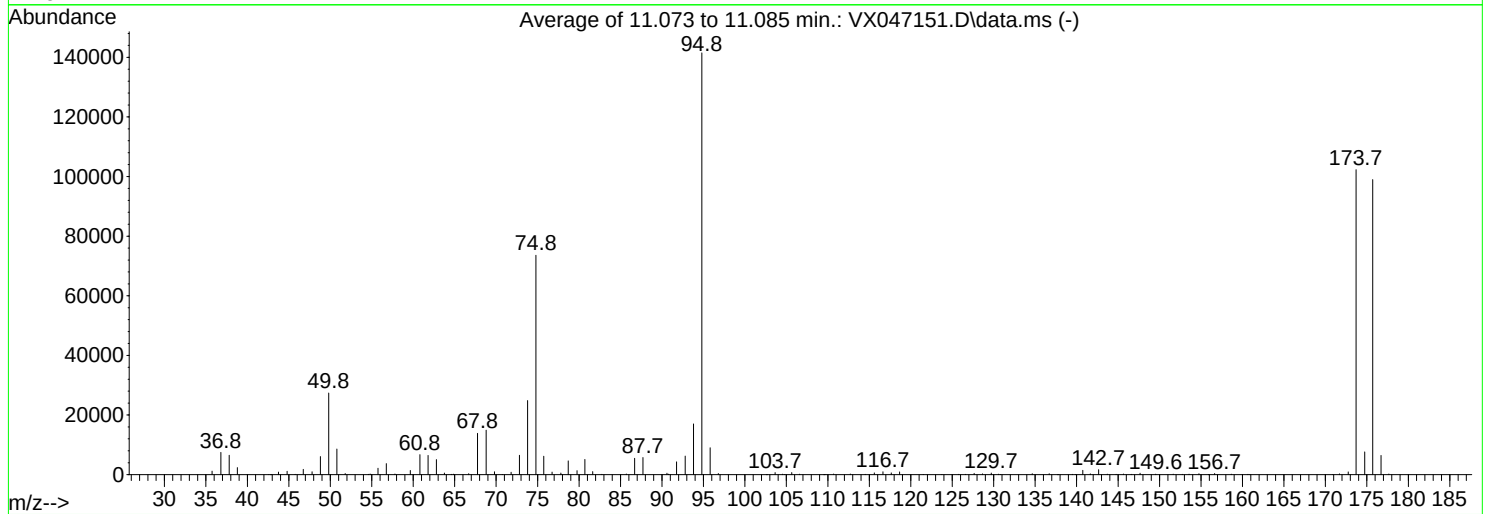
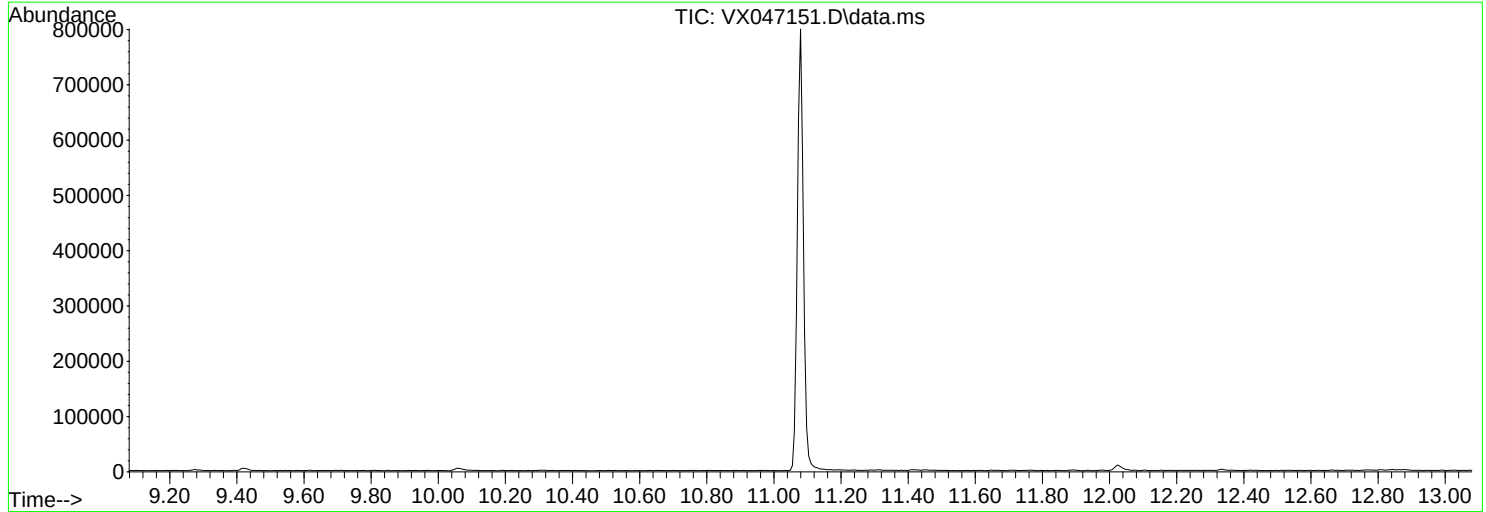
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	23312	PASS
75	95	30	60	52.5	62997	PASS
95	95	100	100	100.0	119888	PASS
96	95	5	9	6.8	8138	PASS
173	174	0.00	2	1.2	1064	PASS
174	95	50	100	72.5	86899	PASS
175	174	5	9	7.3	6373	PASS
176	174	95	101	95.9	83323	PASS
177	176	5	9	7.2	5999	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
Data File : VX047151.D
Acq On : 28 Jul 2025 08:52
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Title : SW846 8260
Last Update : Tue Jul 22 03:59:51 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.3	27360	PASS
75	95	30	60	52.0	73579	PASS
95	95	100	100	100.0	141493	PASS
96	95	5	9	6.4	8997	PASS
173	174	0.00	2	0.9	923	PASS
174	95	50	100	72.3	102304	PASS
175	174	5	9	7.4	7602	PASS
176	174	95	101	96.8	99003	PASS
177	176	5	9	6.5	6444	PASS

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	NYPA	Date Received:	
Client Sample ID:	VX0728WBL01	SDG No.:	Q2681
Lab Sample ID:	VX0728WBL01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047154.D	1	07/28/25 10:19	VX072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.8		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	334000	5.562			
540-36-3	1,4-Difluorobenzene	571000	6.769			
3114-55-4	Chlorobenzene-d5	518000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	262000	12.018			

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_X\Data\VX072825\
 Data File : VX047154.D
 Acq On : 28 Jul 2025 10:19
 Operator : JC/MD
 Sample : VX0728WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728WBL01

Quant Time: Jul 29 02:12:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	333922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	570654	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	517999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	262134	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	205584	49.424	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.840%
35) Dibromofluoromethane	5.397	113	178508	50.664	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.320%
50) Toluene-d8	8.653	98	545911	47.843	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.680%
62) 4-Bromofluorobenzene	11.079	95	257039	52.273	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.540%

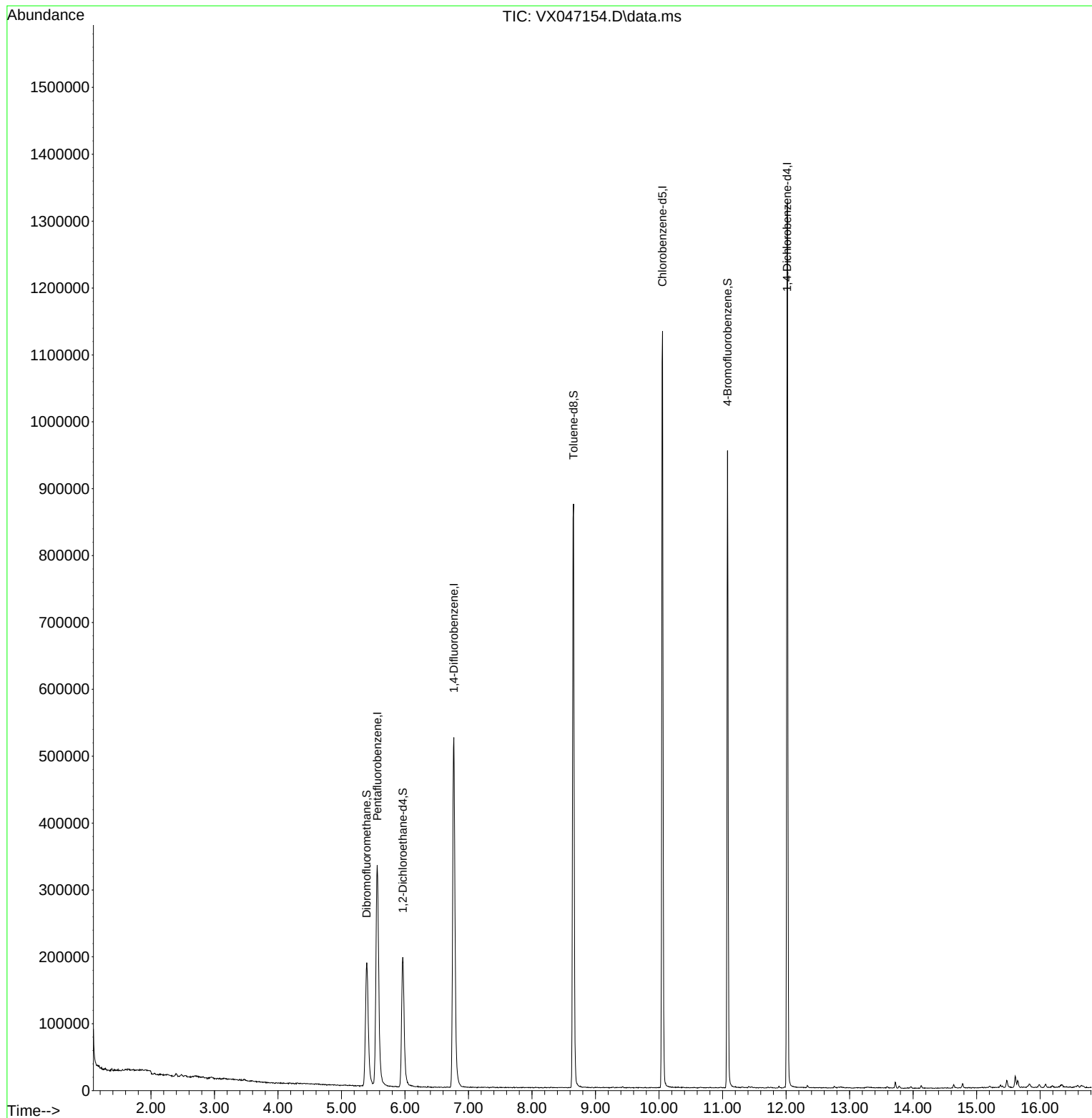
Target Compounds	Qvalue

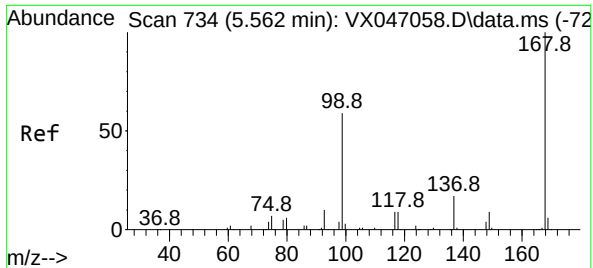
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
Data File : VX047154.D
Acq On : 28 Jul 2025 10:19
Operator : JC/MD
Sample : VX0728WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBL01

Quant Time: Jul 29 02:12:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

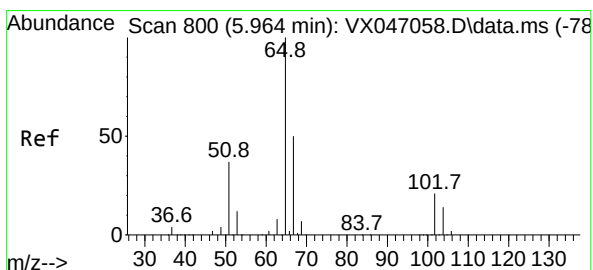
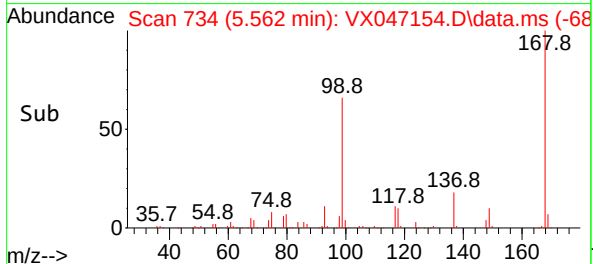
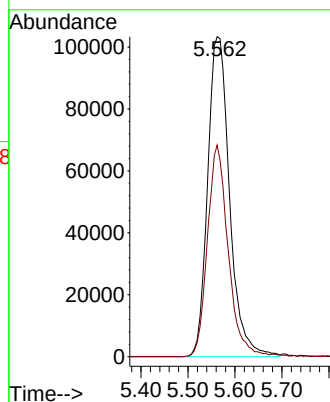
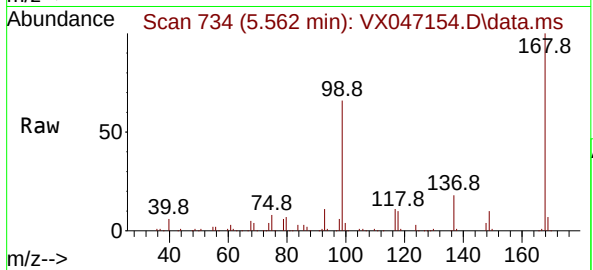




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047154.D
Acq: 28 Jul 2025 10:19

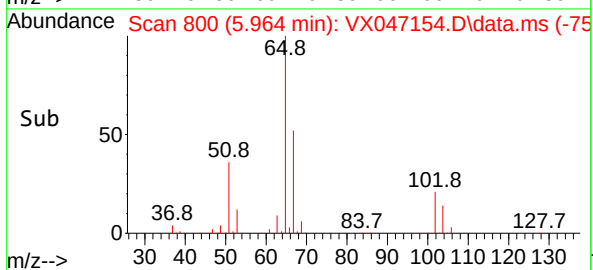
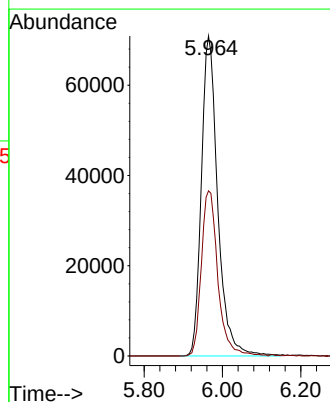
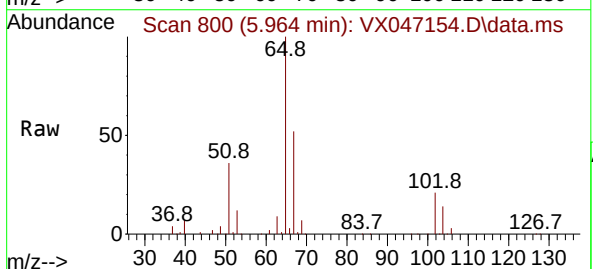
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBL01

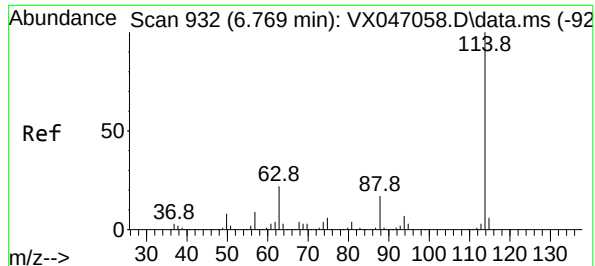
Tgt Ion:168 Resp: 333922
Ion Ratio Lower Upper
168 100
99 66.1 48.0 72.0



#33
1,2-Dichloroethane-d4
Concen: 49.424 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047154.D
Acq: 28 Jul 2025 10:19

Tgt Ion: 65 Resp: 205584
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX047154.D

Acq: 28 Jul 2025 10:19

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBL01

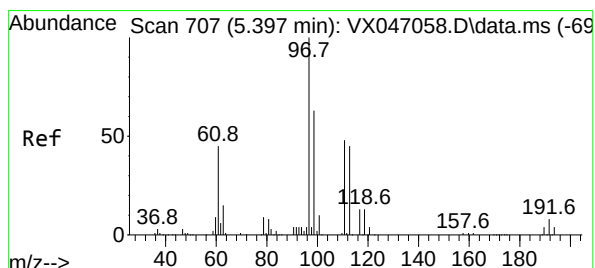
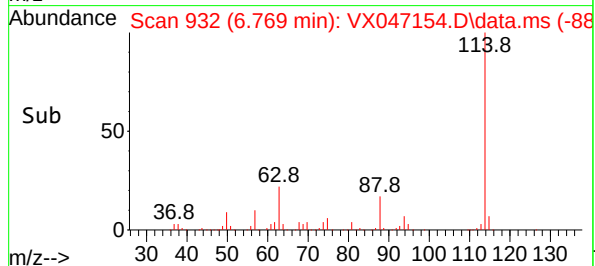
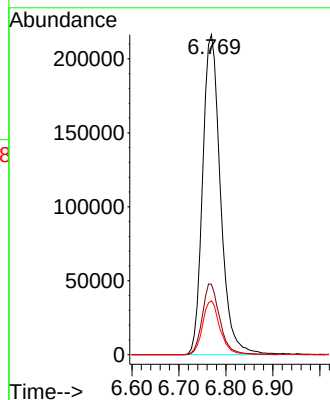
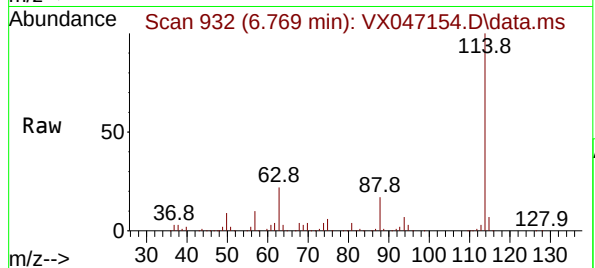
Tgt Ion:114 Resp: 570654

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

88 16.9 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.664 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047154.D

Acq: 28 Jul 2025 10:19

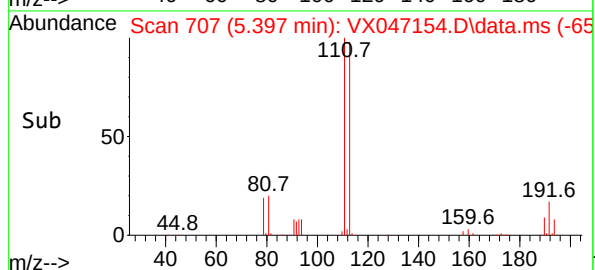
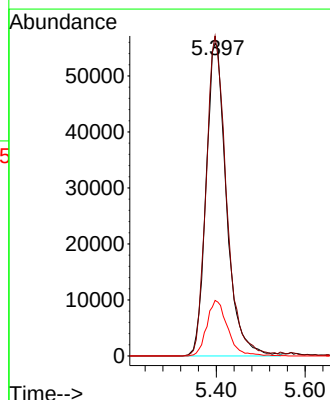
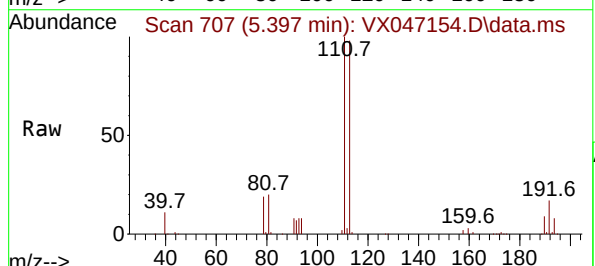
Tgt Ion:113 Resp: 178508

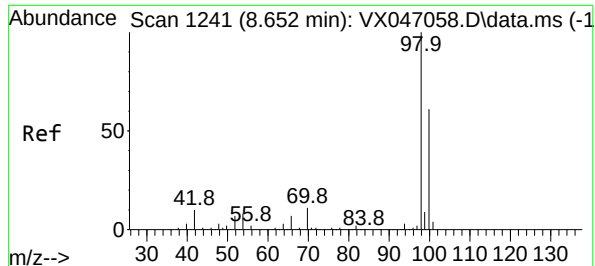
Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 18.2 14.9 22.3





#50

Toluene-d8

Concen: 47.843 ug/l

RT: 8.653 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047154.D

Acq: 28 Jul 2025 10:19

Instrument :

MSVOA_X

ClientSampleId :

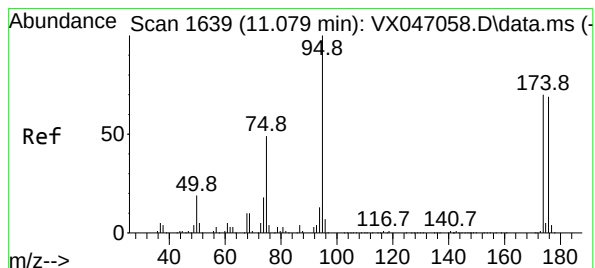
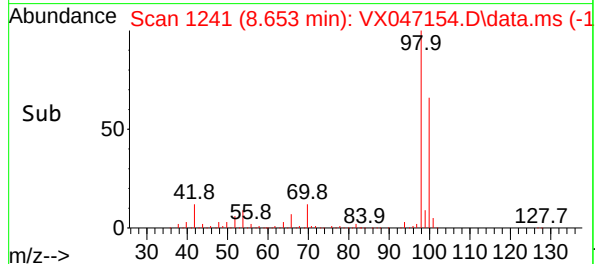
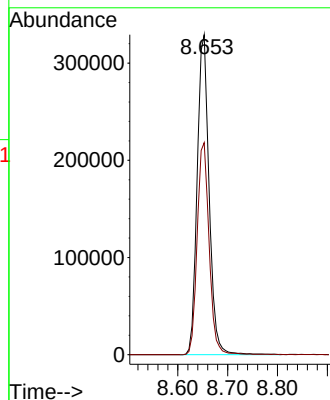
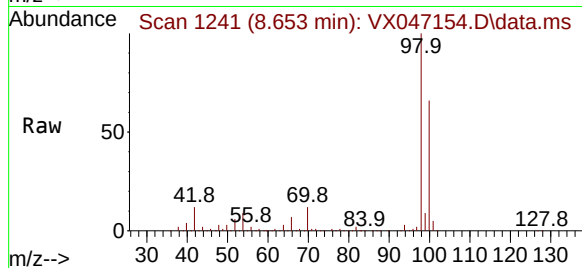
VX0728WBL01

Tgt Ion: 98 Resp: 545911

Ion Ratio Lower Upper

98 100

100 66.4 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 52.273 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047154.D

Acq: 28 Jul 2025 10:19

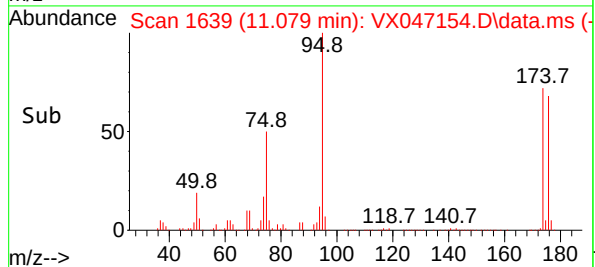
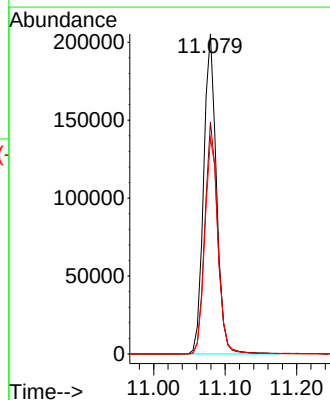
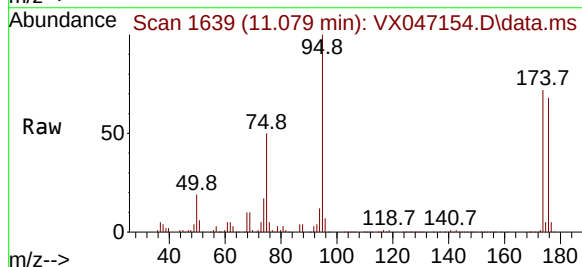
Tgt Ion: 95 Resp: 257039

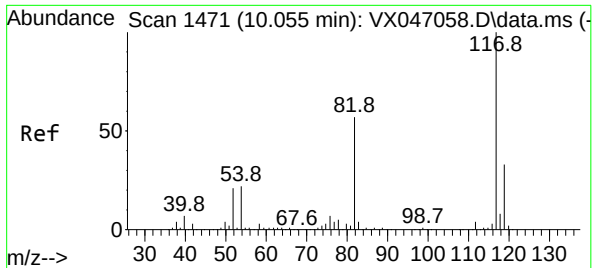
Ion Ratio Lower Upper

95 100

174 72.4 0.0 144.6

176 69.6 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047154.D

Acq: 28 Jul 2025 10:19

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBL01

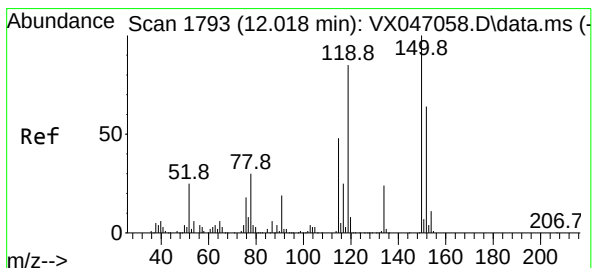
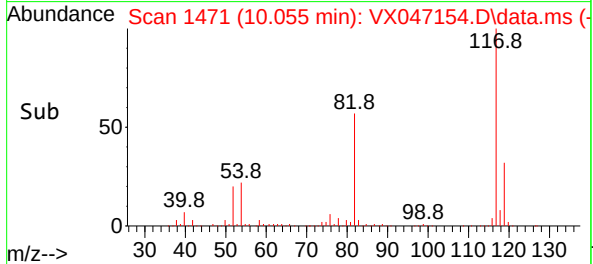
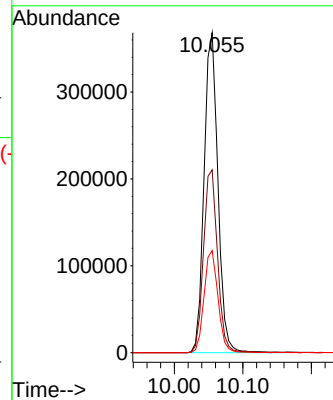
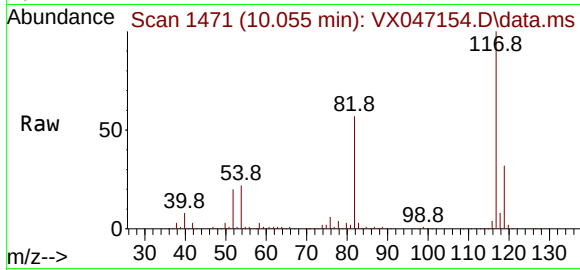
Tgt Ion:117 Resp: 517999

Ion Ratio Lower Upper

117 100

82 57.1 45.4 68.2

119 31.9 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047154.D

Acq: 28 Jul 2025 10:19

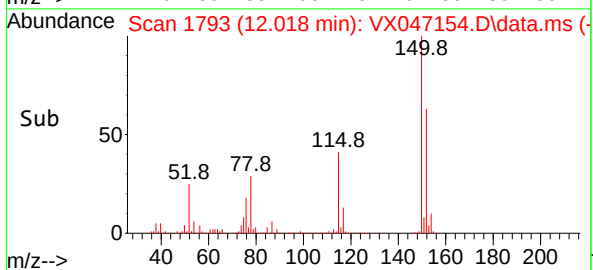
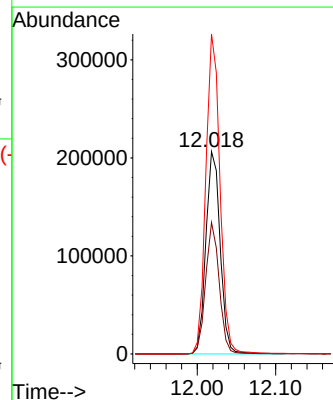
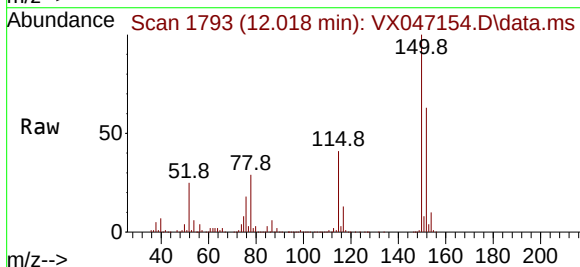
Tgt Ion:152 Resp: 262134

Ion Ratio Lower Upper

152 100

115 61.9 45.6 136.7

150 156.6 0.0 354.6



Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	NYPA	Date Received:	
Client Sample ID:	VX0728WBS01	SDG No.:	Q2681
Lab Sample ID:	VX0728WBS01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047155.D	1	07/28/25 10:45	VX072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.3		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.4		0.23	1.00	ug/L
78-93-3	2-Butanone	92.4		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	1.00	ug/L
67-66-3	Chloroform	18.5		0.25	1.00	ug/L
71-43-2	Benzene	18.7		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.5		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	18.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.6		74 - 125	91%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	45.6		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	313000	5.556			
540-36-3	1,4-Difluorobenzene	525000	6.763			
3114-55-4	Chlorobenzene-d5	470000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	234000	12.018			

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_X\Data\VX072825\
 Data File : VX047155.D
 Acq On : 28 Jul 2025 10:45
 Operator : JC/MD
 Sample : VX0728WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/29/2025
 Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:12:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	313373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	525191	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	469756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	234098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	177972	45.591	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.180%		
35) Dibromofluoromethane	5.391	113	154941	47.781	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.560%		
50) Toluene-d8	8.647	98	479039	45.617	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.240%#		
62) 4-Bromofluorobenzene	11.079	95	214565	47.412	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	77791	18.689	ug/l	96
3) Chloromethane	1.313	50	66503	16.152	ug/l	99
4) Vinyl Chloride	1.392	62	85341	19.282	ug/l	99
5) Bromomethane	1.630	94	46561	19.366	ug/l	96
6) Chloroethane	1.709	64	49163	16.912	ug/l	100
7) Trichlorofluoromethane	1.904	101	123124	18.656	ug/l	99
8) Diethyl Ether	2.148	74	41954	18.029	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	73027	18.366	ug/l	99
10) Methyl Iodide	2.471	142	100813	24.878	ug/l	99
11) Tert butyl alcohol	2.959	59	38716	77.755	ug/l	97
12) 1,1-Dichloroethene	2.337	96	72370	18.376	ug/l	93
13) Acrolein	2.252	56	68505	81.503	ug/l	99
14) Allyl chloride	2.678	41	121672	17.092	ug/l	94
15) Acrylonitrile	3.075	53	167430	89.931	ug/l	100
16) Acetone	2.386	43	147339	94.218	ug/l	98
17) Carbon Disulfide	2.532	76	199293	17.492	ug/l	99
18) Methyl Acetate	2.709	43	81763	19.675	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	229733	19.168	ug/l	100
20) Methylene Chloride	2.800	84	77228	17.951	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	73614	18.267	ug/l	96
22) Diisopropyl ether	3.764	45	261012	19.070	ug/l	90
23) Vinyl Acetate	3.727	43	1039901	94.729	ug/l	99
24) 1,1-Dichloroethane	3.623	63	141618	18.607	ug/l	99
25) 2-Butanone	4.562	43	210409	92.405	ug/l	100
26) 2,2-Dichloropropane	4.483	77	113846	19.324	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	88078	18.456	ug/l	99
28) Bromochloromethane	4.904	49	77491	22.131	ug/l	99
29) Tetrahydrofuran	5.013	42	127440	86.743	ug/l	98
30) Chloroform	5.105	83	143538	18.527	ug/l	96
31) Cyclohexane	5.483	56	134270	18.399	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	125352	18.628	ug/l	99
36) 1,1-Dichloropropene	5.702	75	99171	17.941	ug/l	99
37) Ethyl Acetate	4.721	43	90744	17.816	ug/l	99
38) Carbon Tetrachloride	5.684	117	111694	18.933	ug/l	99
39) Methylcyclohexane	7.385	83	128033	18.552	ug/l	97
40) Benzene	6.044	78	298722	18.674	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047155.D
 Acq On : 28 Jul 2025 10:45
 Operator : JC/MD
 Sample : VX0728WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/29/2025
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:12:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	48390	18.170	ug/l #	92
42) 1,2-Dichloroethane	6.092	62	108096	19.183	ug/l	99
43) Isopropyl Acetate	6.342	43	149806	18.866	ug/l	100
44) Trichloroethene	7.129	130	75750	18.466	ug/l	99
45) 1,2-Dichloropropane	7.434	63	74825	18.676	ug/l	98
46) Dibromomethane	7.586	93	53643	19.093	ug/l	99
47) Bromodichloromethane	7.824	83	115118	19.250	ug/l	97
48) Methyl methacrylate	7.696	41	77796	17.985	ug/l	99
49) 1,4-Dioxane	7.708	88	19105	388.326	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	438798	92.973	ug/l	99
52) Toluene	8.720	92	188706	19.185	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	107997	19.124	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	116846	18.905	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	70113	19.007	ug/l	99
56) Ethyl methacrylate	9.116	69	102202	18.715	ug/l	96
57) 1,3-Dichloropropane	9.305	76	119701	18.672	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	254306	83.687	ug/l	100
59) 2-Hexanone	9.427	43	297933	95.547	ug/l	100
60) Dibromochloromethane	9.519	129	83631	19.331	ug/l	98
61) 1,2-Dibromoethane	9.610	107	71328	18.493	ug/l	100
64) Tetrachloroethene	9.275	164	61923	18.286	ug/l	98
65) Chlorobenzene	10.079	112	204374	18.571	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	71869	19.397	ug/l	98
67) Ethyl Benzene	10.195	91	366130	19.028	ug/l	100
68) m/p-Xylenes	10.299	106	271050	37.643	ug/l	99
69) o-Xylene	10.640	106	131643	19.218	ug/l	99
70) Styrene	10.653	104	225118	19.165	ug/l	100
71) Bromoform	10.799	173	54892	19.503	ug/l #	99
73) Isopropylbenzene	10.957	105	349329	18.914	ug/l	100
74) N-amyl acetate	10.842	43	132693	17.807	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	96797	18.348	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	79231m	18.285	ug/l	
77) Bromobenzene	11.195	156	81993	18.509	ug/l	99
78) n-propylbenzene	11.299	91	415786	18.839	ug/l	100
79) 2-Chlorotoluene	11.360	91	246837	18.710	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	289953	19.003	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22833	13.576	ug/l	100
82) 4-Chlorotoluene	11.451	91	289976	18.831	ug/l	99
83) tert-Butylbenzene	11.713	119	293667	19.176	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	288523	18.958	ug/l	100
85) sec-Butylbenzene	11.890	105	361807	18.908	ug/l	99
86) p-Isopropyltoluene	12.006	119	304940	19.217	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	157441	18.705	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	158610	18.600	ug/l	97
89) n-Butylbenzene	12.329	91	287044	19.289	ug/l	98
90) Hexachloroethane	12.536	117	55242	19.460	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	148759	18.492	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19573	19.328	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	100369	18.884	ug/l	99
94) Hexachlorobutadiene	13.719	225	36903	20.416	ug/l	96
95) Naphthalene	13.774	128	298955	19.187	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	94287	18.414	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
Data File : VX047155.D
Acq On : 28 Jul 2025 10:45
Operator : JC/MD
Sample : VX0728WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:12:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

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

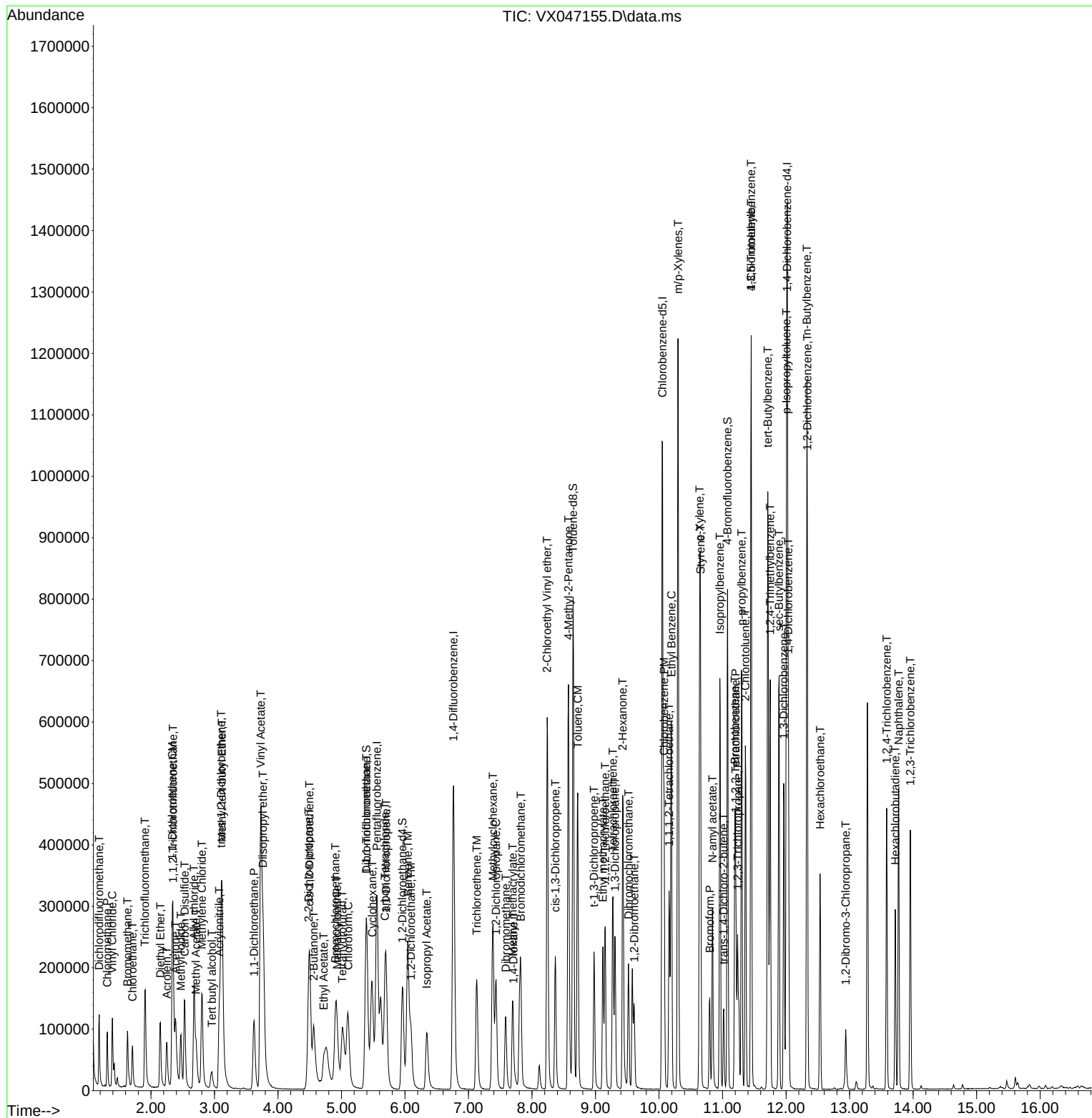
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
Data File : VX047155.D
Acq On : 28 Jul 2025 10:45
Operator : JC/MD
Sample : VX0728WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

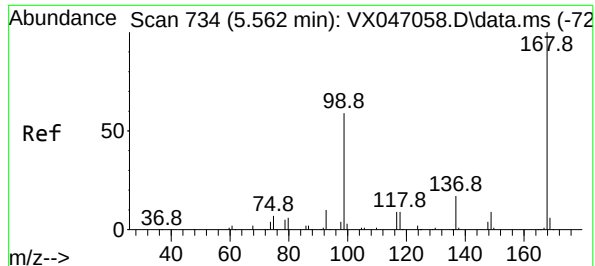
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:12:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration





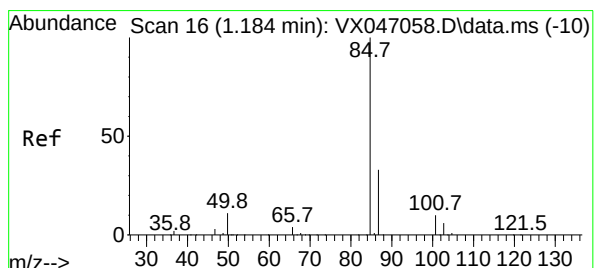
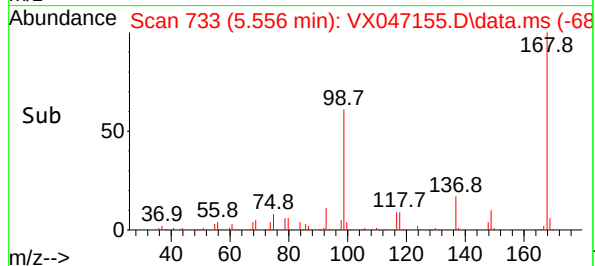
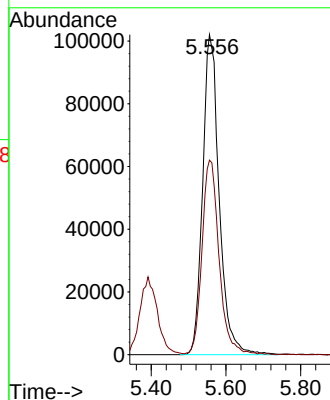
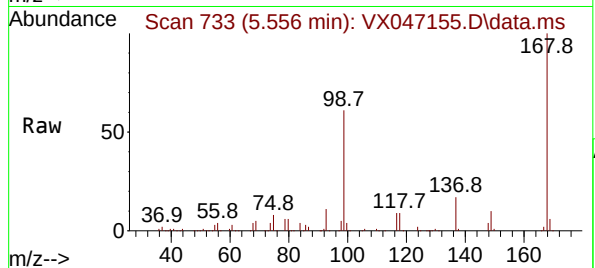
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01

Tgt Ion:168 Resp: 31337
Ion Ratio Lower Upper
168 100
99 60.7 48.0 72.0

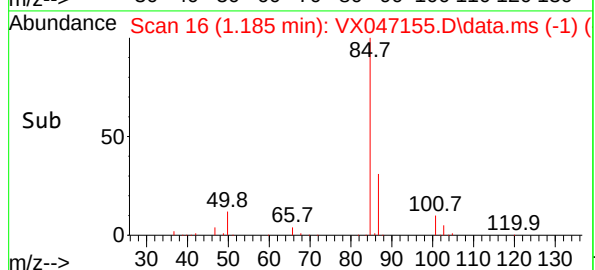
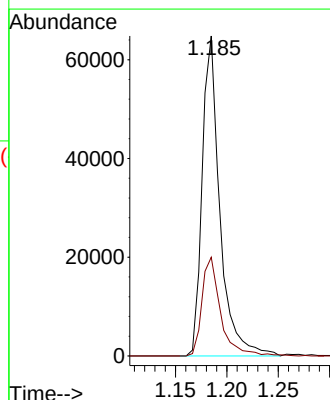
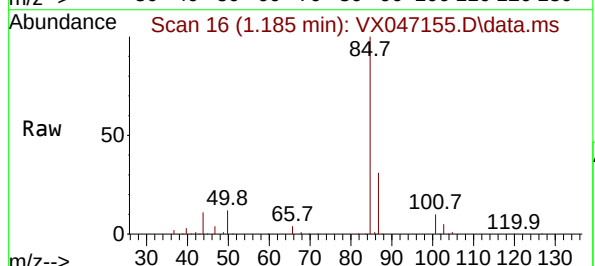
Manual Integrations
APPROVED

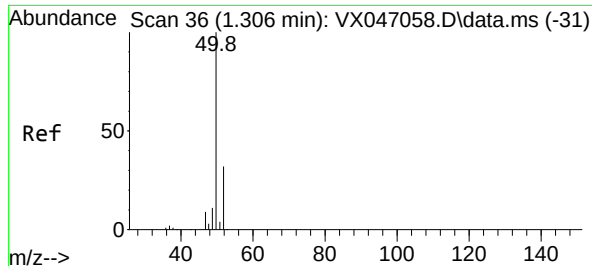
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#2
Dichlorodifluoromethane
Concen: 18.689 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Tgt Ion: 85 Resp: 77791
Ion Ratio Lower Upper
85 100
87 30.9 16.6 49.8





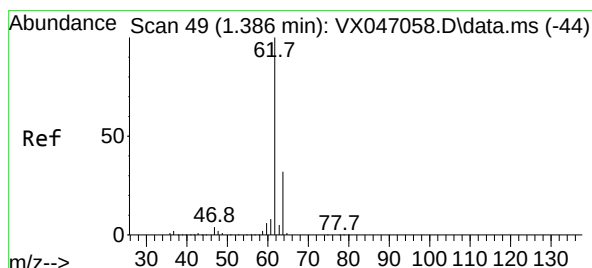
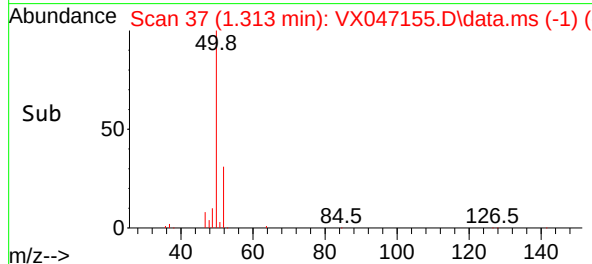
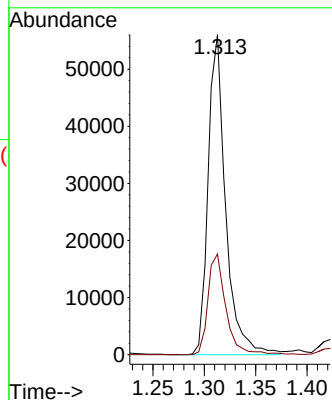
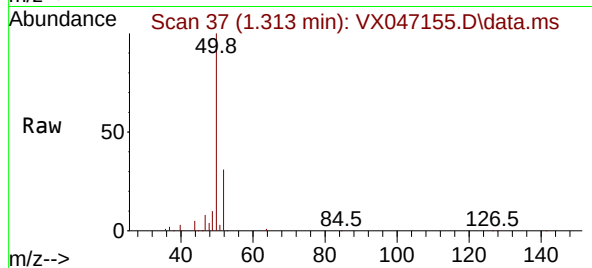
#3
Chloromethane
Concen: 16.152 ug/l
RT: 1.313 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01

Tgt Ion: 50 Resp: 6650
Ion Ratio Lower Upper
50 100
52 31.5 25.4 38.2

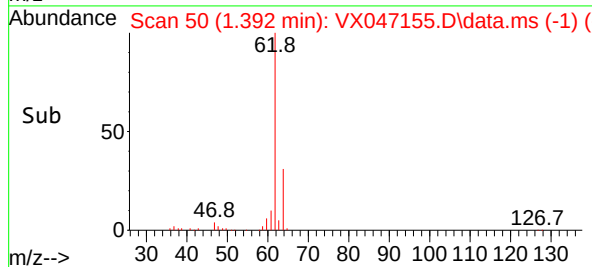
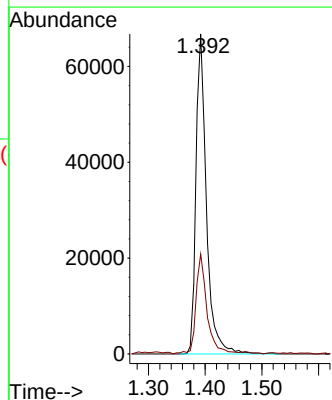
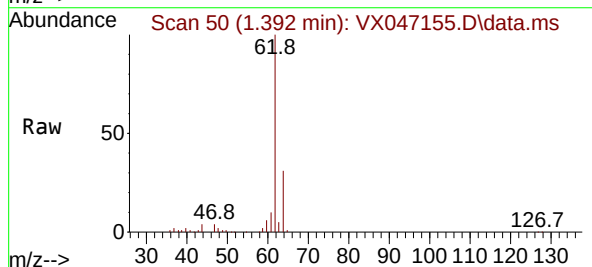
Manual Integrations
APPROVED

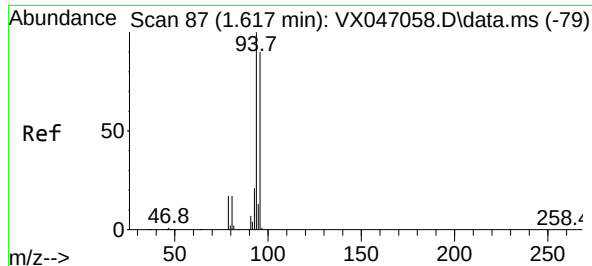
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#4
Vinyl Chloride
Concen: 19.282 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

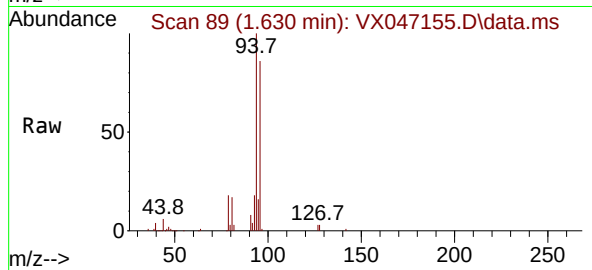
Tgt Ion: 62 Resp: 85341
Ion Ratio Lower Upper
62 100
64 31.0 25.2 37.8





#5
Bromomethane
Concen: 19.366 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.013 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

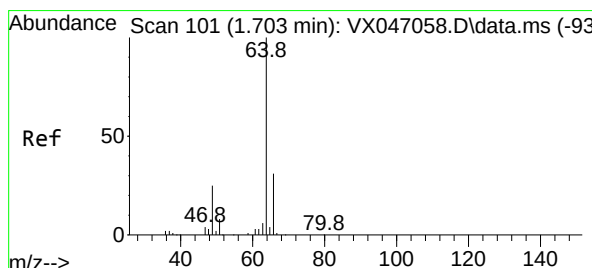
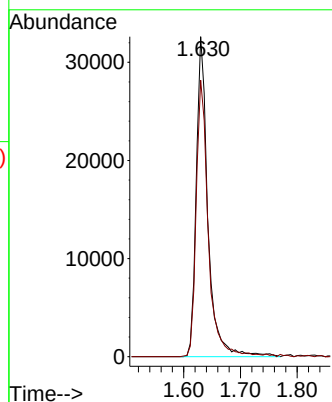
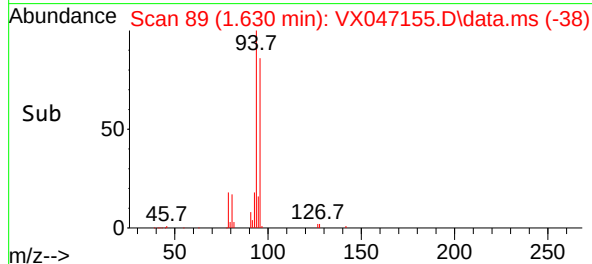
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01



Tgt Ion: 94 Resp: 4656
Ion Ratio Lower Upper
94 100
96 86.4 72.3 108.5

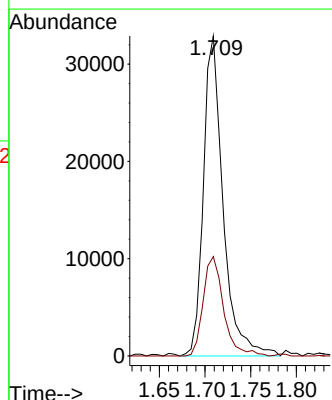
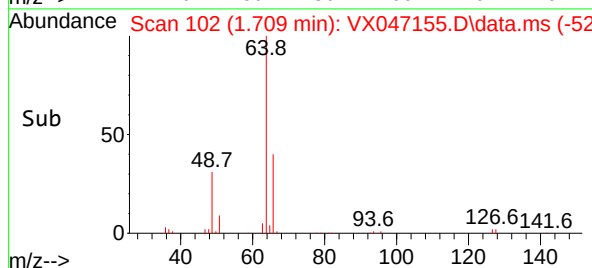
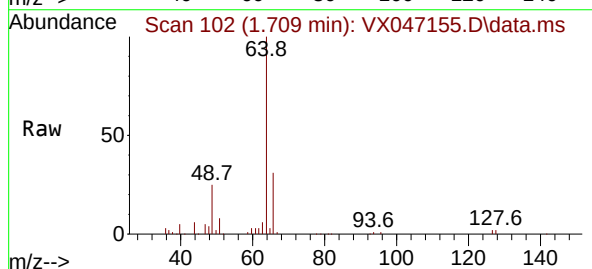
Manual Integrations
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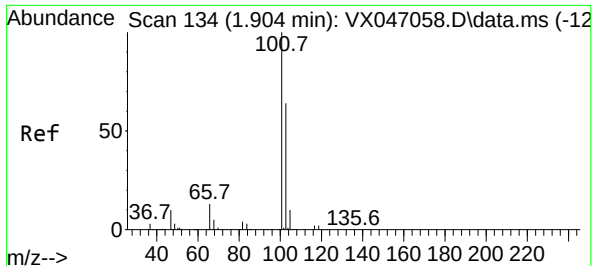
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#6
Chloroethane
Concen: 16.912 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.007 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

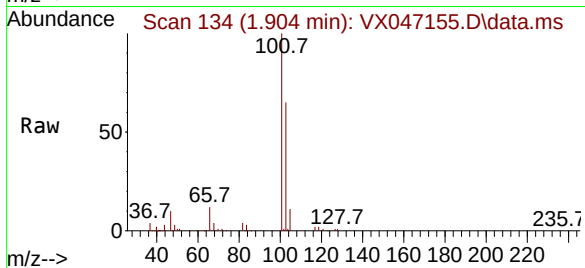
Tgt Ion: 64 Resp: 49163
Ion Ratio Lower Upper
64 100
66 31.1 25.0 37.6





#7
Trichlorofluoromethane
Concen: 18.656 ug/l
RT: 1.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

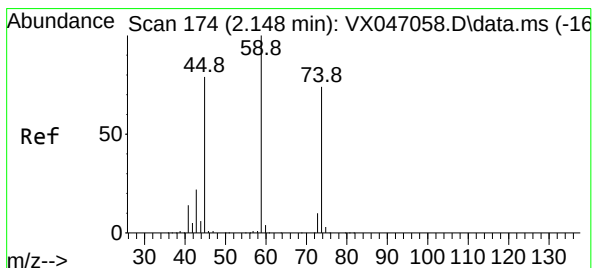
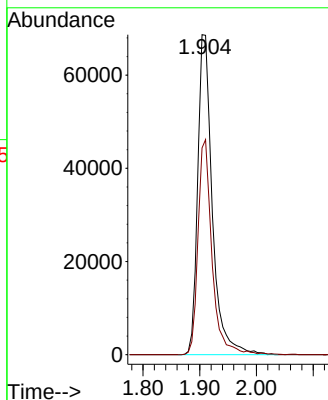
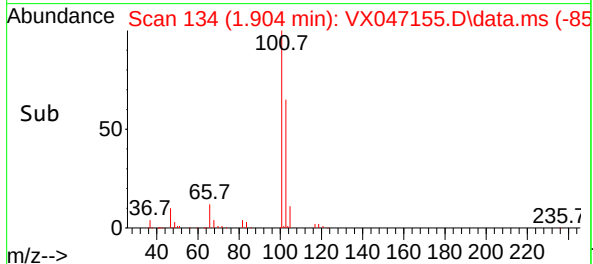
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01



Tgt Ion:101 Resp: 123124
Ion Ratio Lower Upper
101 100
103 64.6 50.9 76.3

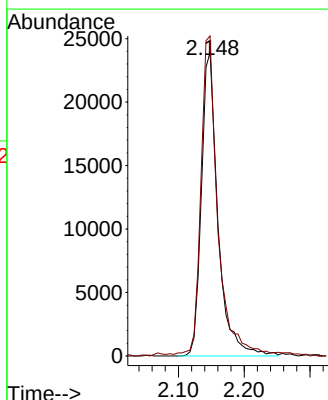
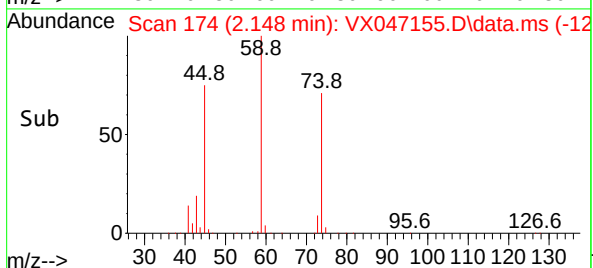
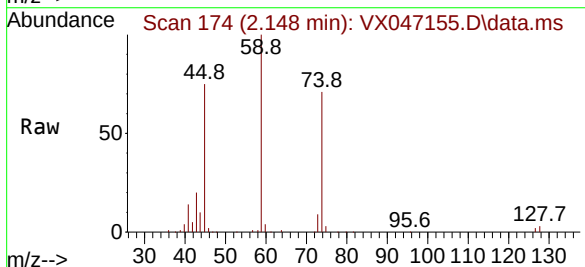
Manual Integrations
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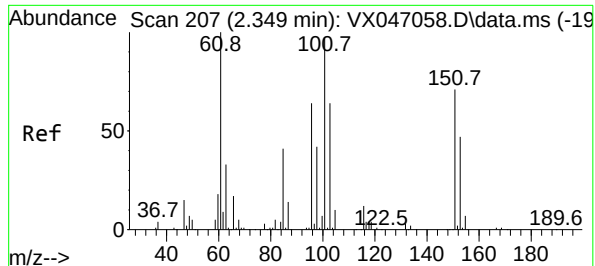
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#8
Diethyl Ether
Concen: 18.029 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Tgt Ion: 74 Resp: 41954
Ion Ratio Lower Upper
74 100
45 104.9 53.0 159.0





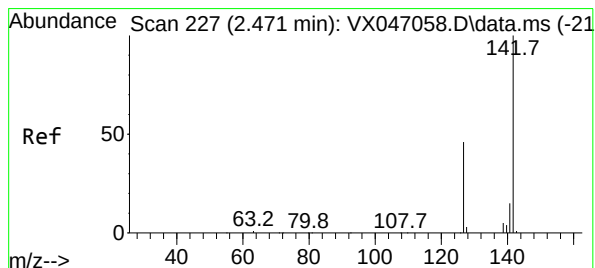
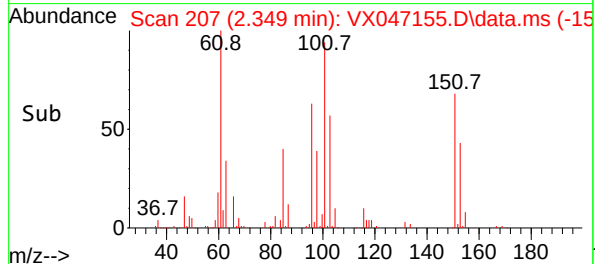
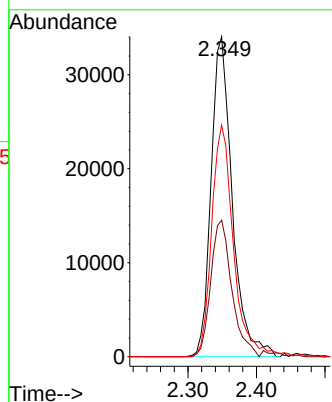
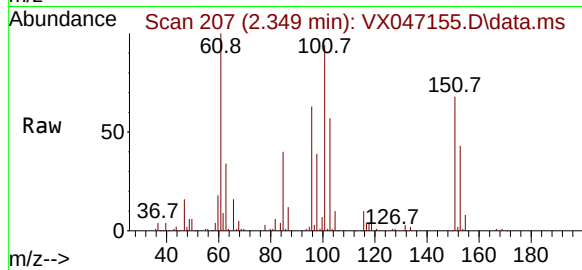
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.366 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01

Tgt Ion:101 Resp: 7302
Ion Ratio Lower Upper
101 100
85 42.5 35.4 53.0
151 74.6 59.2 88.8

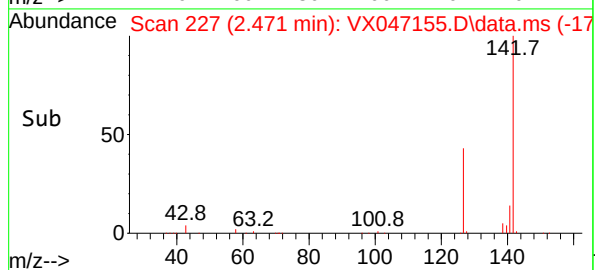
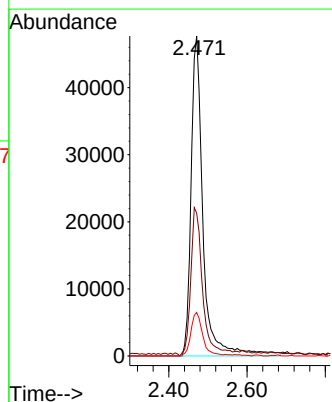
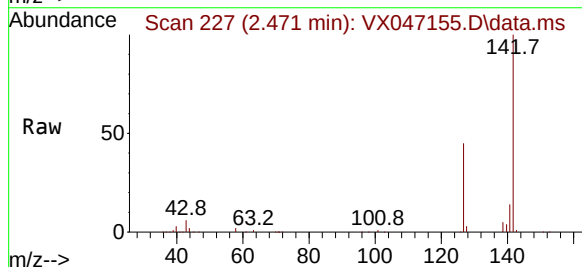
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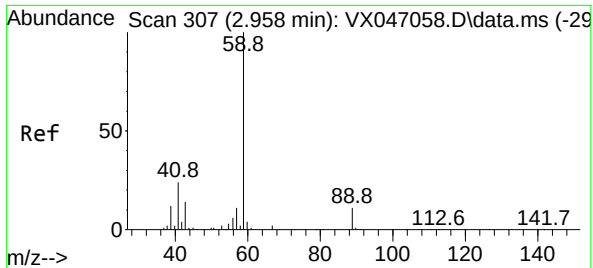
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#10
Methyl Iodide
Concen: 24.878 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Tgt Ion:142 Resp: 100813
Ion Ratio Lower Upper
142 100
127 46.4 36.6 54.8
141 13.4 10.9 16.3





#11

Tert butyl alcohol

Concen: 77.755 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.001 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 59 Resp: 38710

Ion Ratio Lower Upper

59 100

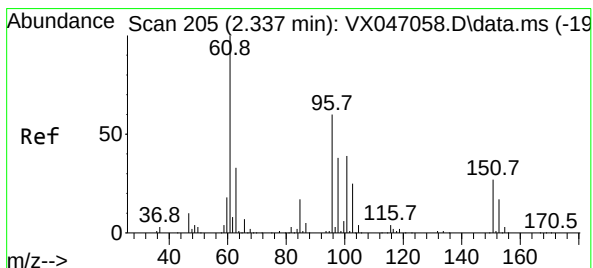
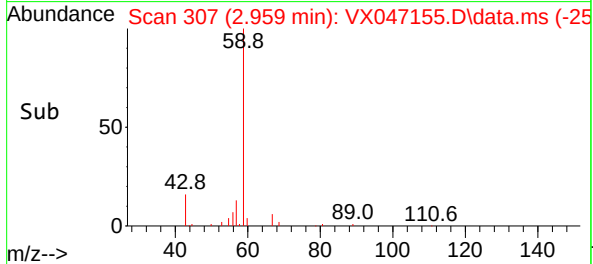
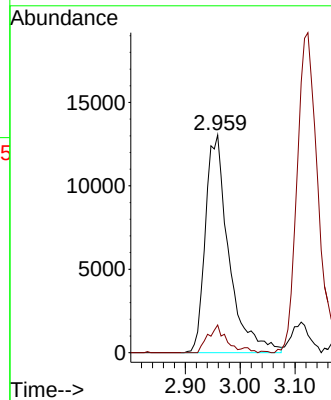
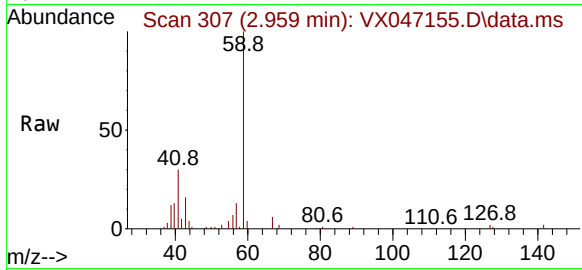
57 9.6 8.5 12.7

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#12

1,1-Dichloroethene

Concen: 18.376 ug/l

RT: 2.337 min Scan# 205

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

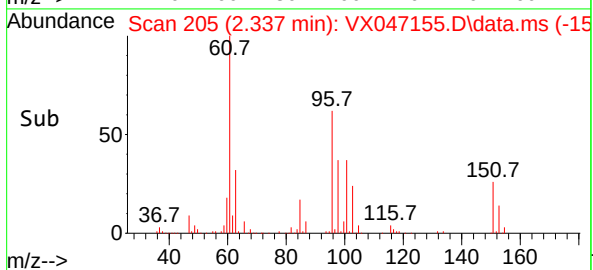
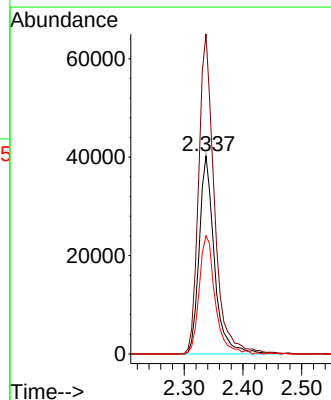
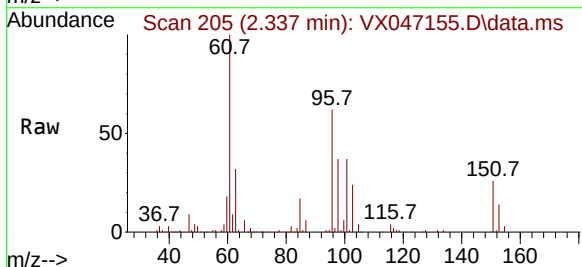
Tgt Ion: 96 Resp: 72370

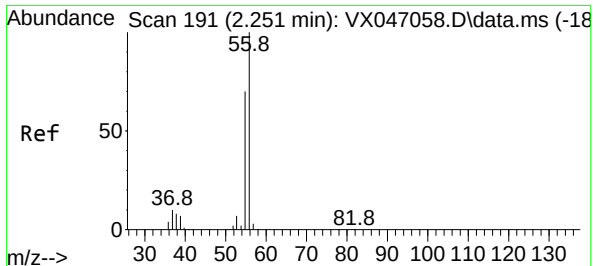
Ion Ratio Lower Upper

96 100

61 155.5 132.6 198.8

98 57.5 50.2 75.4





#13

Acrolein

Concen: 81.503 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 56 Resp: 6850

Ion Ratio Lower Upper

56 100

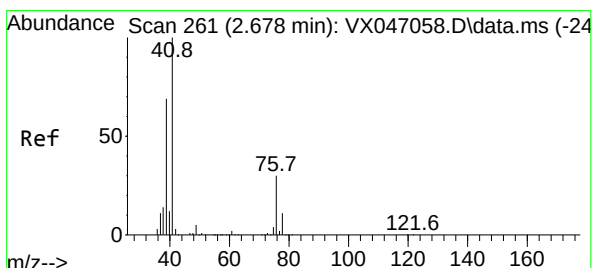
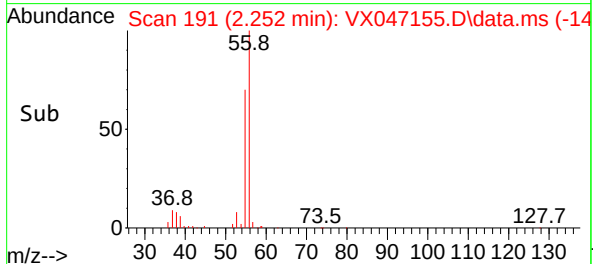
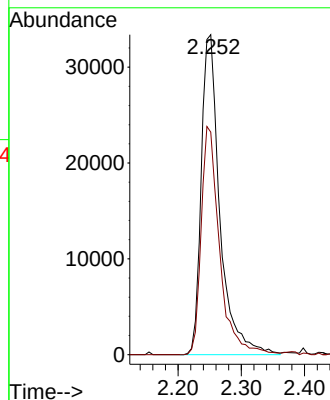
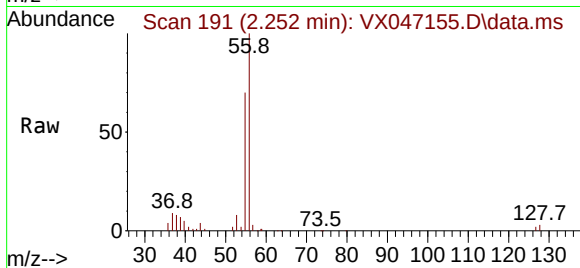
55 70.4 55.7 83.5

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#14

Allyl chloride

Concen: 17.092 ug/l

RT: 2.678 min Scan# 261

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

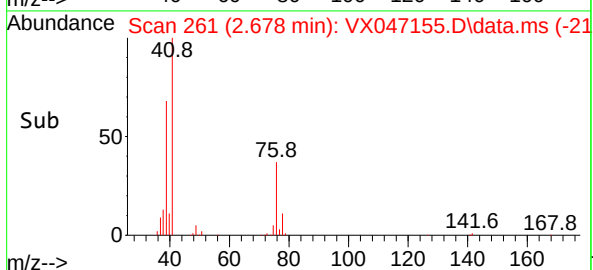
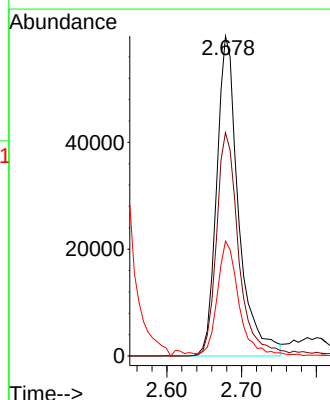
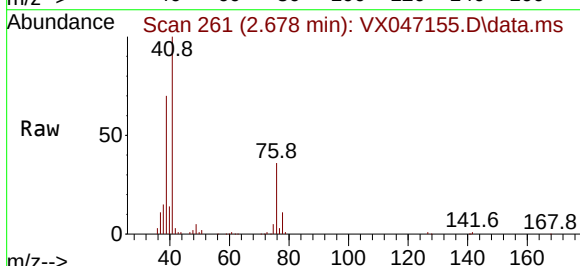
Tgt Ion: 41 Resp: 121672

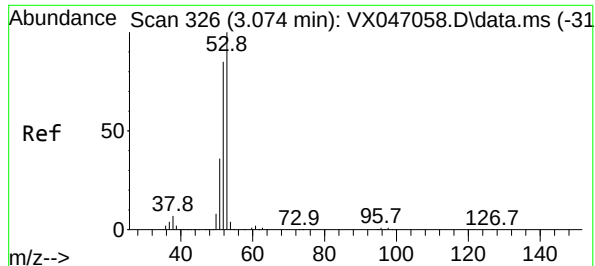
Ion Ratio Lower Upper

41 100

39 70.7 52.6 78.8

76 34.7 25.7 38.5





#15

Acrylonitrile

Concen: 89.931 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 53 Resp: 167430

Ion Ratio Lower Upper

53 100

52 82.2 65.7 98.5

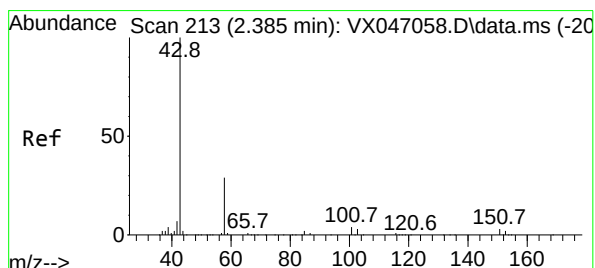
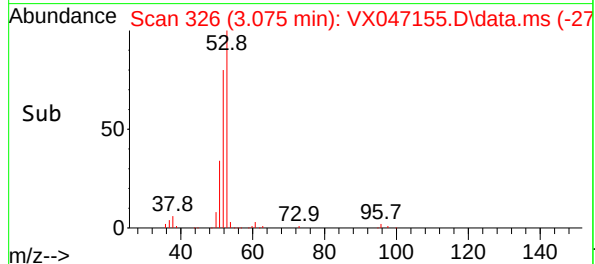
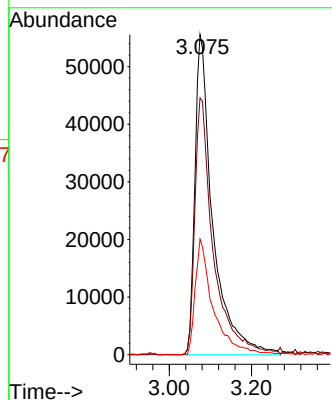
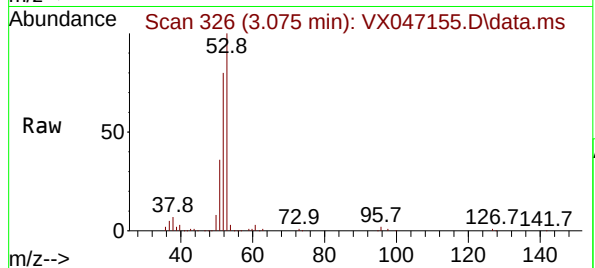
51 36.0 28.8 43.2

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#16

Acetone

Concen: 94.218 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX047155.D

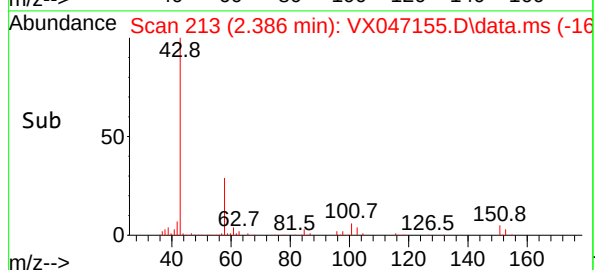
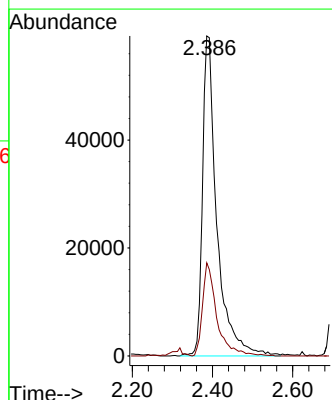
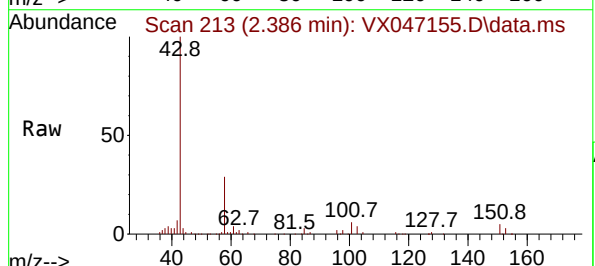
Acq: 28 Jul 2025 10:45

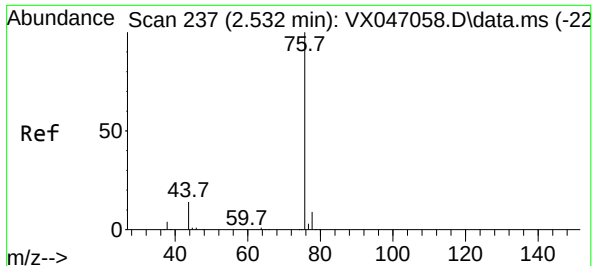
Tgt Ion: 43 Resp: 147339

Ion Ratio Lower Upper

43 100

58 29.1 24.0 36.0





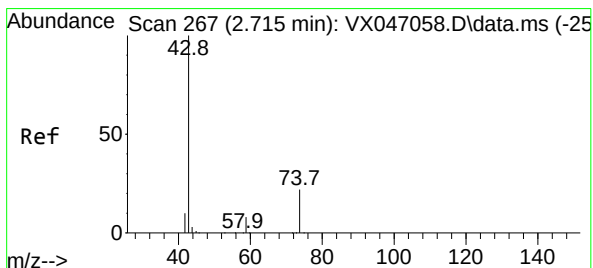
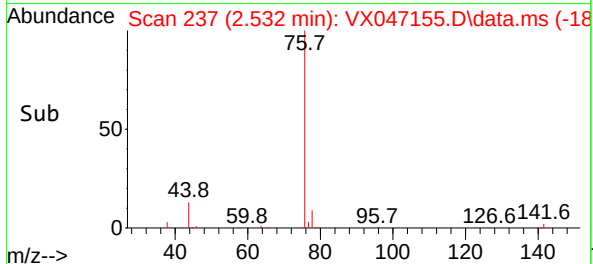
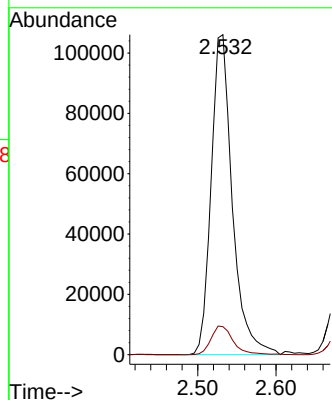
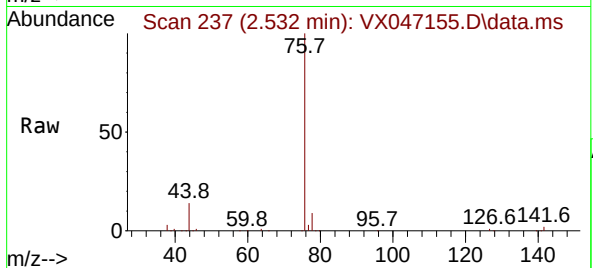
#17
Carbon Disulfide
Concen: 17.492 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01

Tgt Ion: 76 Resp: 19929
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4

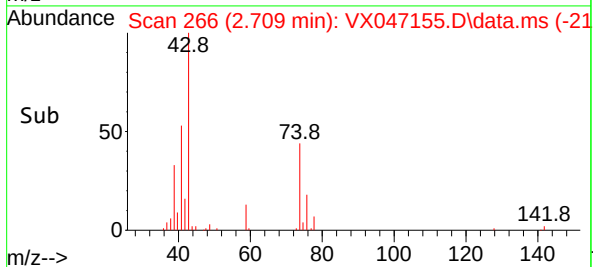
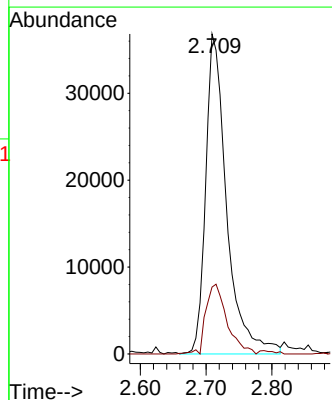
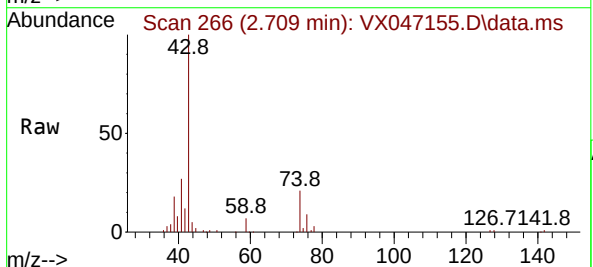
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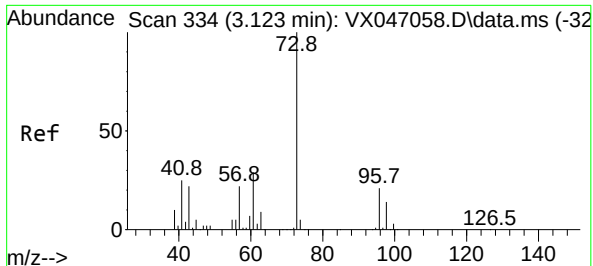
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#18
Methyl Acetate
Concen: 19.675 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Tgt Ion: 43 Resp: 81763
Ion Ratio Lower Upper
43 100
74 22.0 17.7 26.5





#19

Methyl tert-butyl Ether

Concen: 19.168 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 73 Resp: 22973

Ion Ratio Lower Upper

73 100

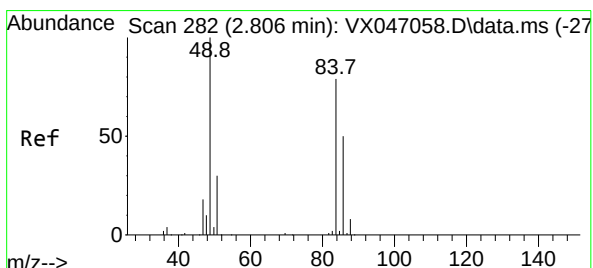
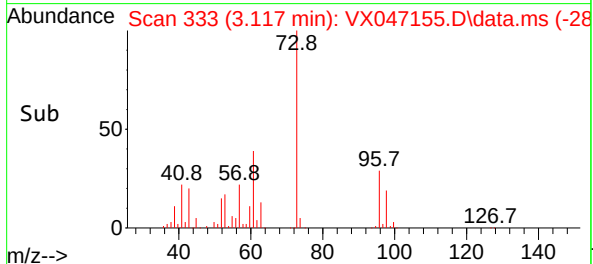
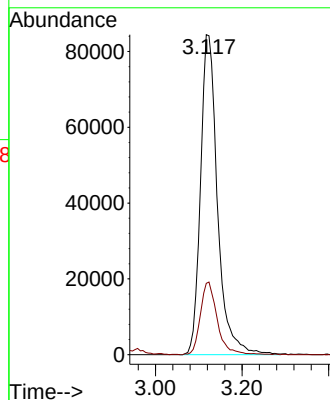
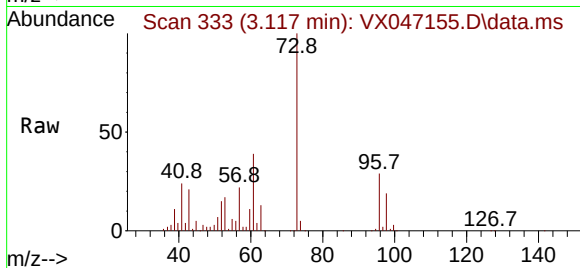
57 22.3 17.7 26.5

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#20

Methylene Chloride

Concen: 17.951 ug/l

RT: 2.800 min Scan# 281

Delta R.T. -0.006 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Tgt Ion: 84 Resp: 77228

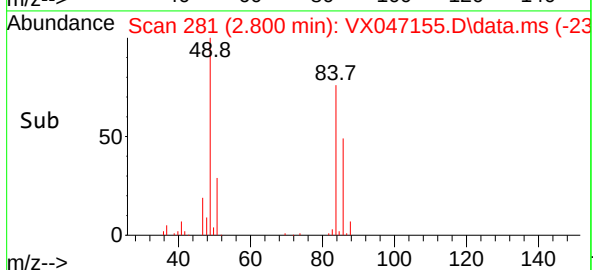
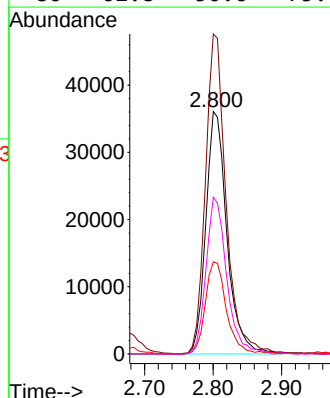
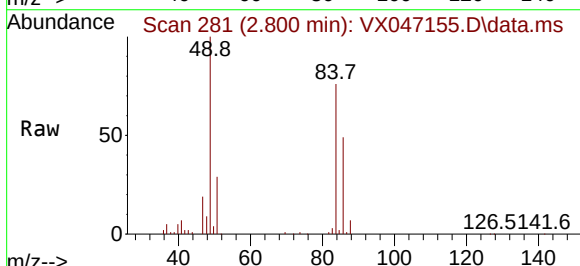
Ion Ratio Lower Upper

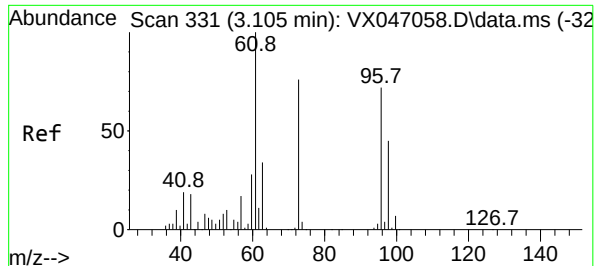
84 100

49 128.2 101.6 152.4

51 36.9 30.3 45.5

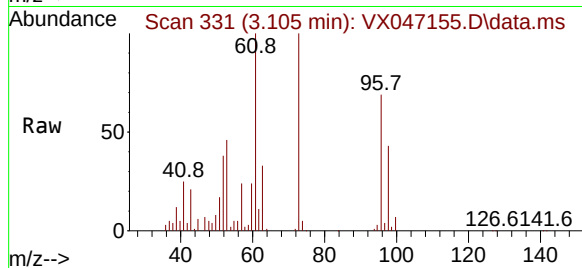
86 62.8 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 18.267 ug/l
RT: 3.105 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

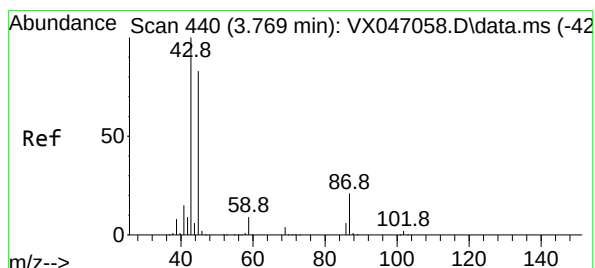
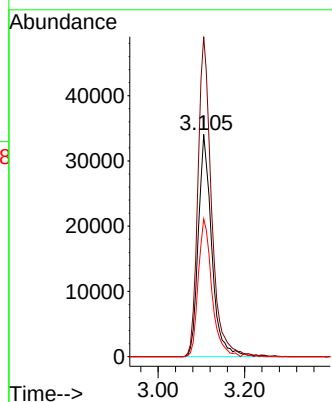
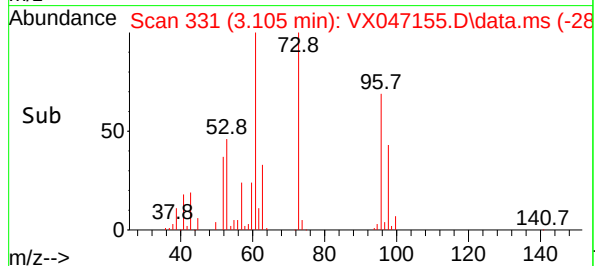
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01



Tgt Ion: 96 Resp: 73614
Ion Ratio Lower Upper
96 100
61 144.0 111.1 166.7
98 64.2 49.6 74.4

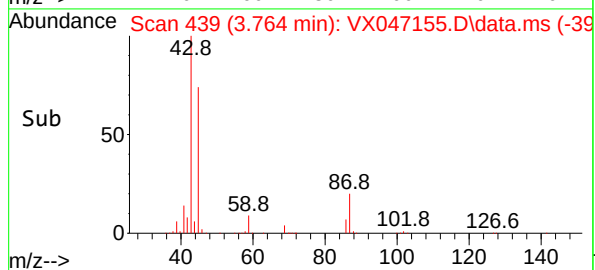
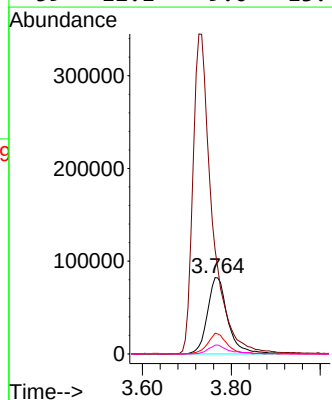
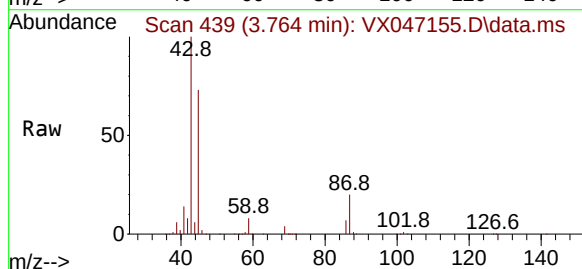
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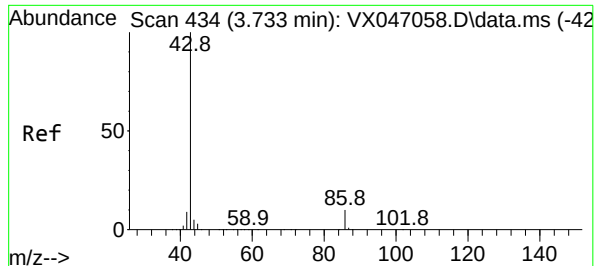
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#22
Diisopropyl ether
Concen: 19.070 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.006 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Tgt Ion: 45 Resp: 261012
Ion Ratio Lower Upper
45 100
43 135.3 96.8 145.2
87 27.3 20.5 30.7
59 12.1 9.0 13.4





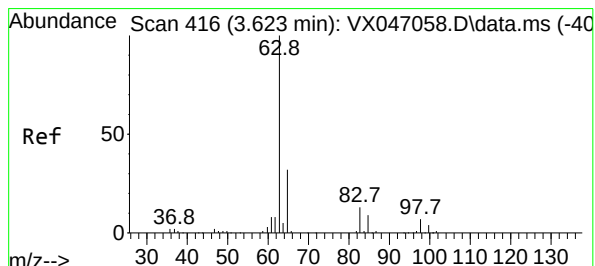
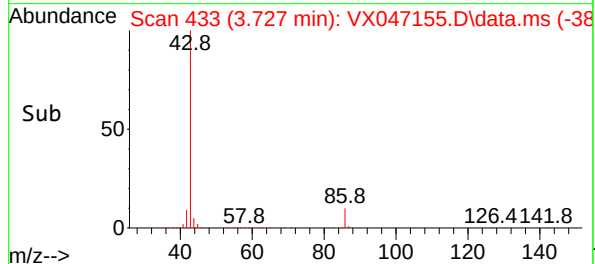
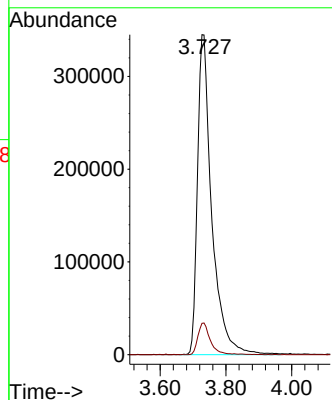
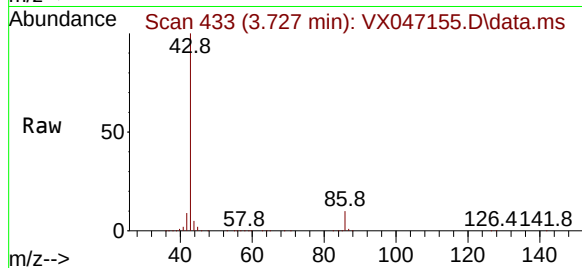
#23
 Vinyl Acetate
 Concen: 94.729 ug/l
 RT: 3.727 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX047155.D
 Acq: 28 Jul 2025 10:45

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728WBS01

Tgt Ion: 43 Resp: 103990
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.1 12.1

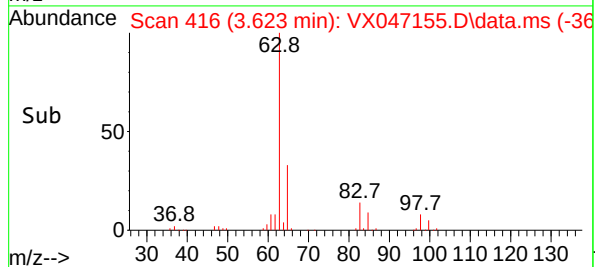
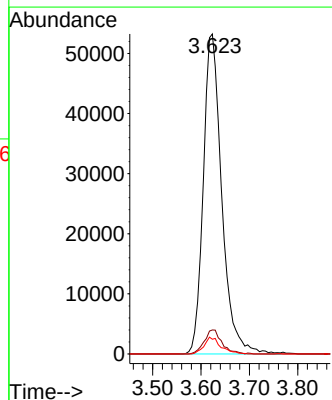
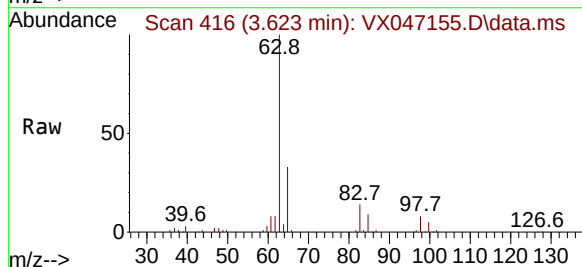
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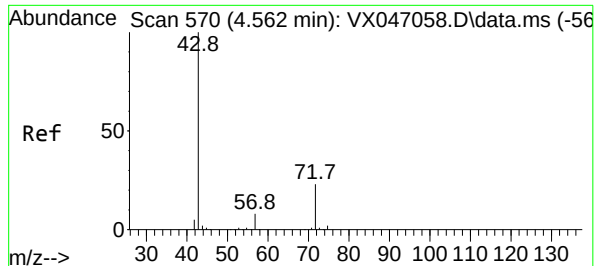
Reviewed By :John Carlone 07/29/2025
 Supervised By :Mahesh Dadoda 07/29/2025



#24
 1,1-Dichloroethane
 Concen: 18.607 ug/l
 RT: 3.623 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: VX047155.D
 Acq: 28 Jul 2025 10:45

Tgt Ion: 63 Resp: 141618
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.6 10.8
 100 4.6 2.3 6.8





#25

2-Butanone

Concen: 92.405 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 43 Resp: 210409

Ion Ratio Lower Upper

43 100

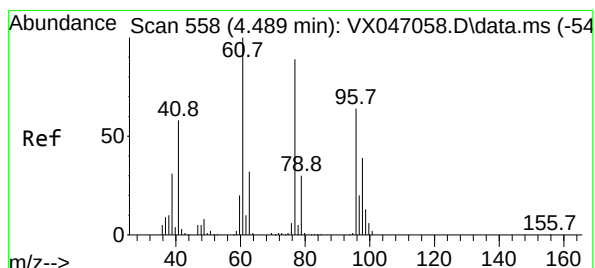
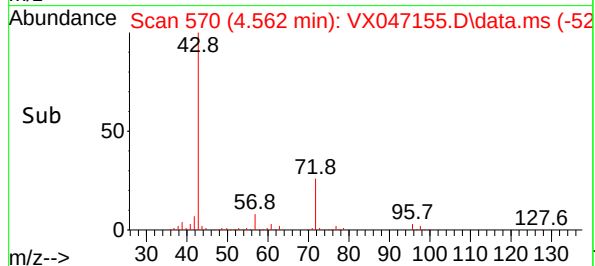
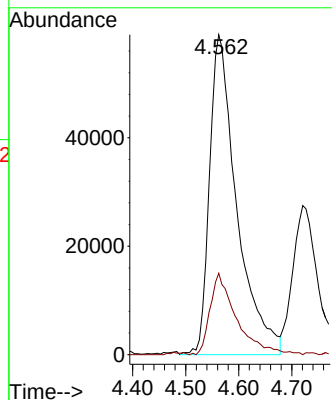
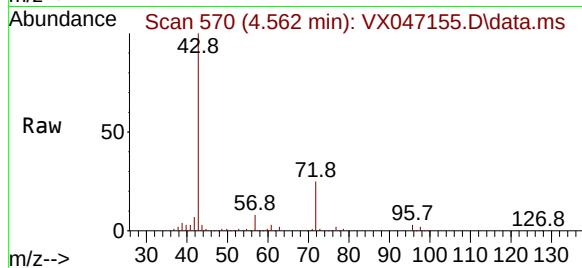
72 23.7 18.8 28.2

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#26

2,2-Dichloropropane

Concen: 19.324 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX047155.D

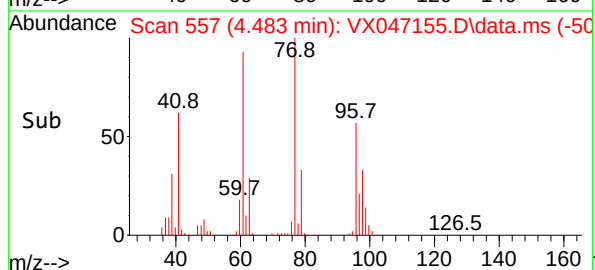
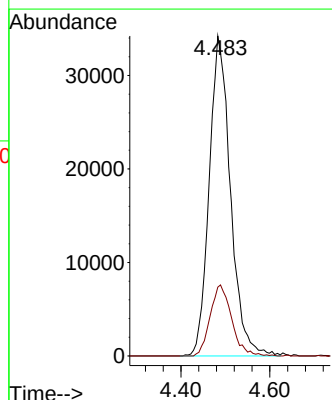
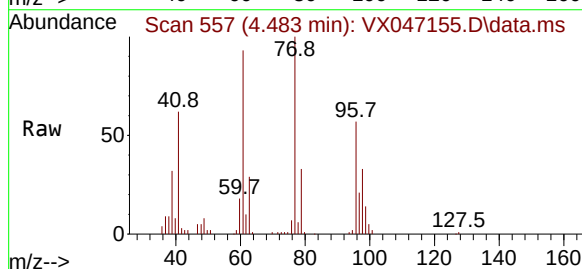
Acq: 28 Jul 2025 10:45

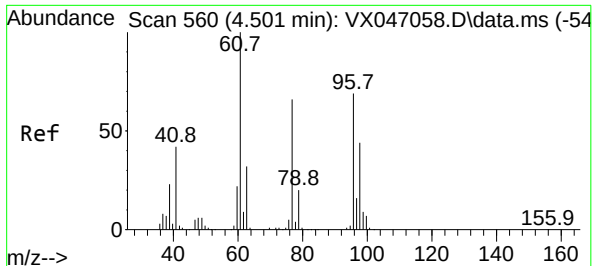
Tgt Ion: 77 Resp: 113846

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.456 ug/l

RT: 4.495 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 96 Resp: 88078

Ion Ratio Lower Upper

96 100

61 150.8 0.0 298.6

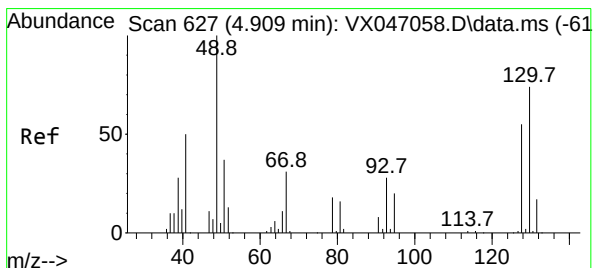
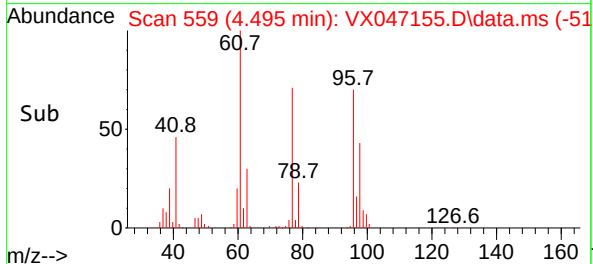
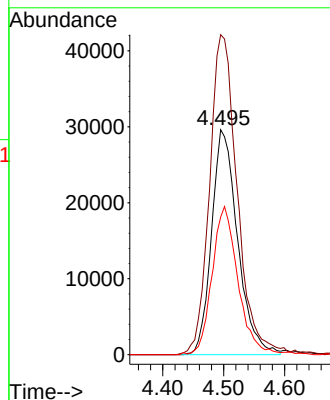
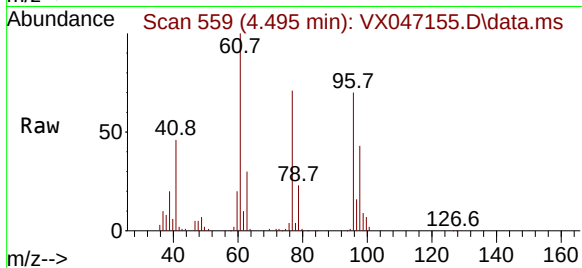
98 65.1 0.0 128.8

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#28

Bromochloromethane

Concen: 22.131 ug/l

RT: 4.904 min Scan# 626

Delta R.T. -0.006 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

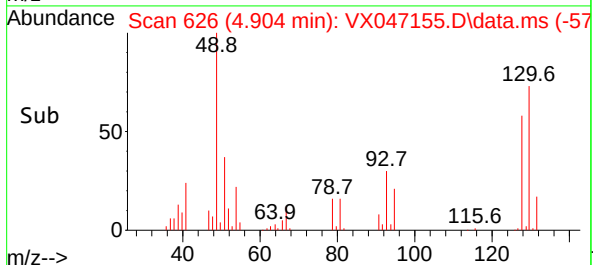
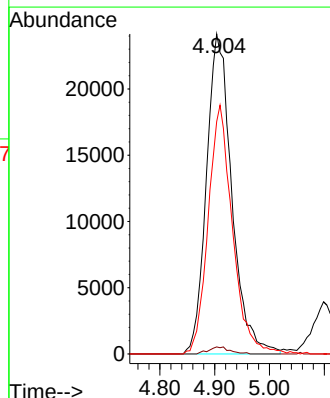
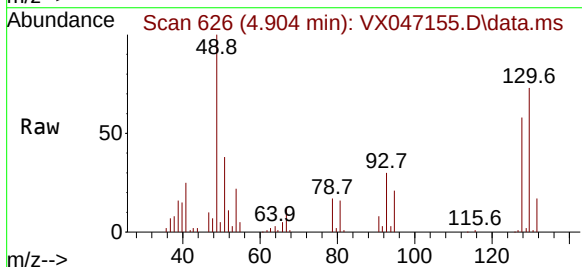
Tgt Ion: 49 Resp: 77491

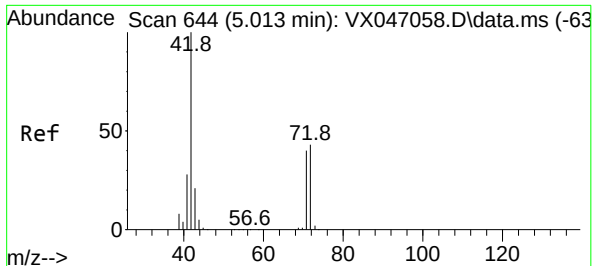
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

130 74.6 59.0 88.4





#29

Tetrahydrofuran

Concen: 86.743 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 42 Resp: 127440

Ion Ratio Lower Upper

42 100

72 43.1 33.7 50.5

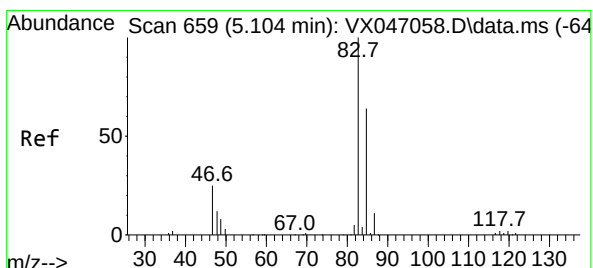
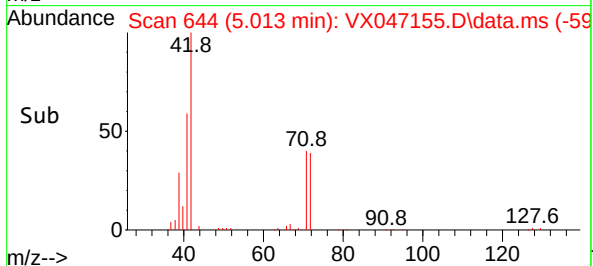
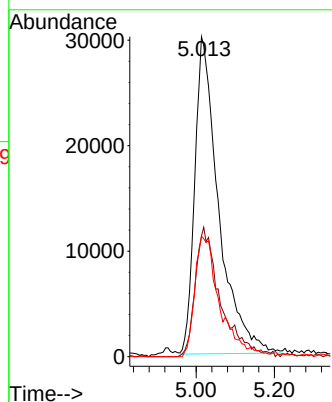
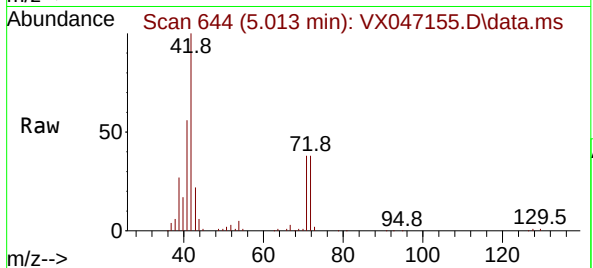
71 39.7 31.0 46.4

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#30

Chloroform

Concen: 18.527 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.000 min

Lab File: VX047155.D

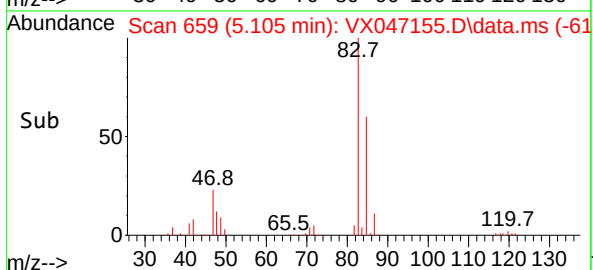
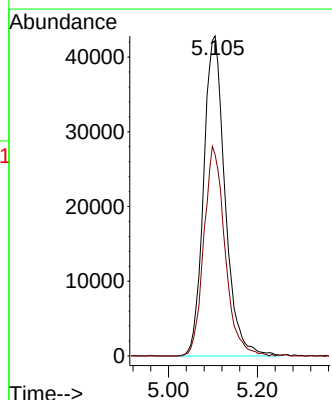
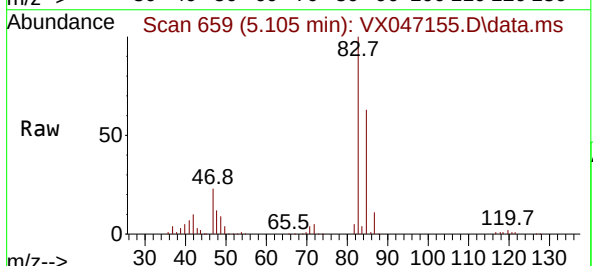
Acq: 28 Jul 2025 10:45

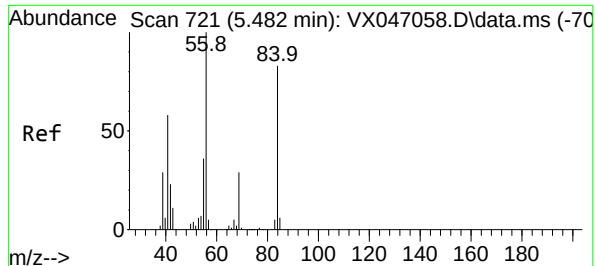
Tgt Ion: 83 Resp: 143538

Ion Ratio Lower Upper

83 100

85 60.4 50.9 76.3





#31

Cyclohexane

Concen: 18.399 ug/l

RT: 5.483 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 56 Resp: 134270

Ion Ratio Lower Upper

56 100

69 28.7 23.3 34.9

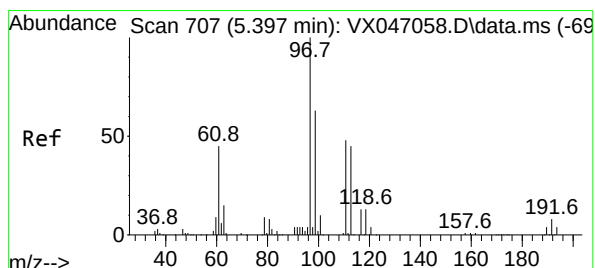
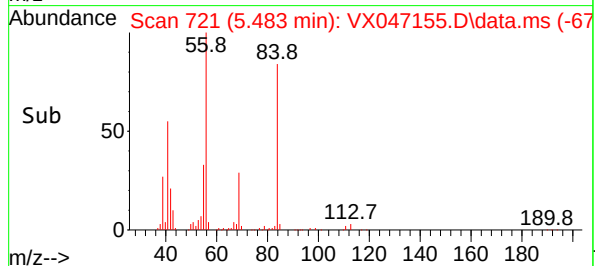
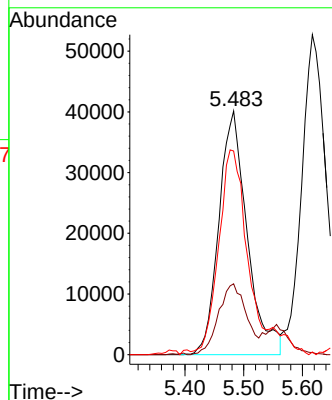
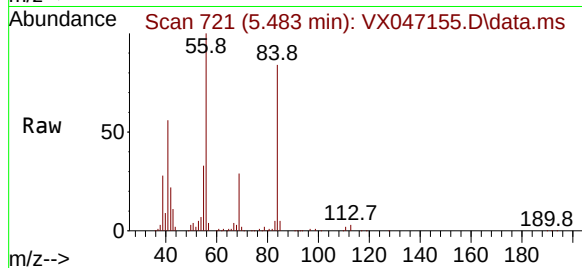
84 83.6 66.5 99.7

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#32

1,1,1-Trichloroethane

Concen: 18.628 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

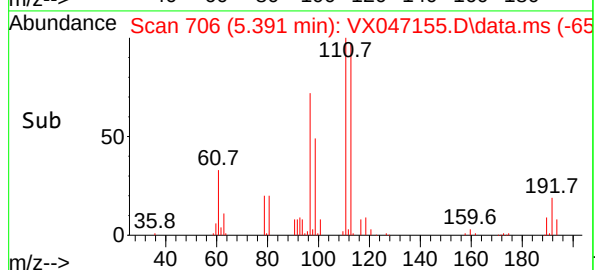
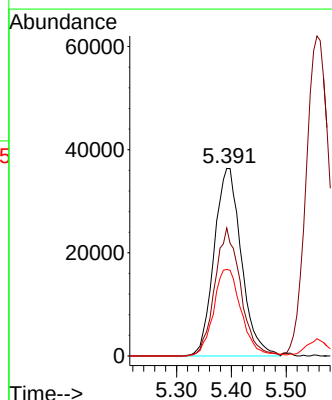
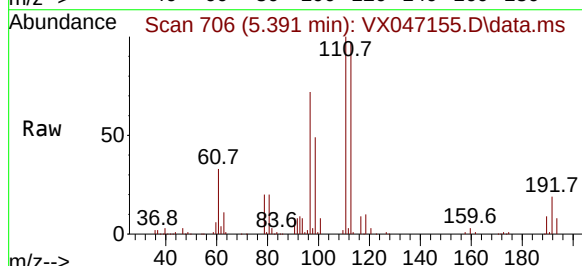
Tgt Ion: 97 Resp: 125352

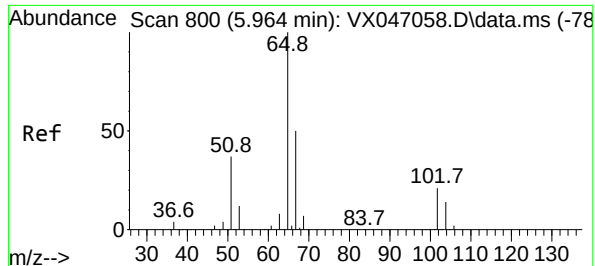
Ion Ratio Lower Upper

97 100

99 64.4 51.2 76.8

61 47.0 37.1 55.7





#33

1,2-Dichloroethane-d4

Concen: 45.591 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 65 Resp: 177972

Ion Ratio Lower Upper

65 100

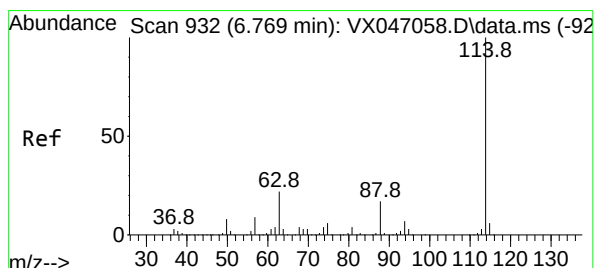
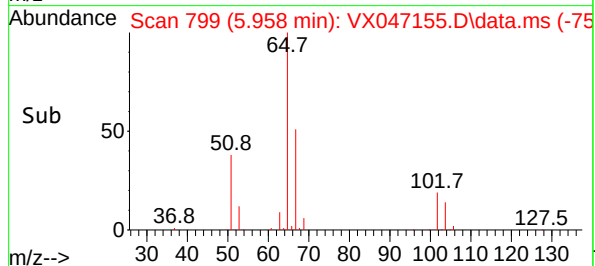
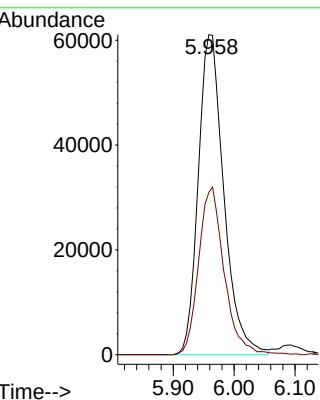
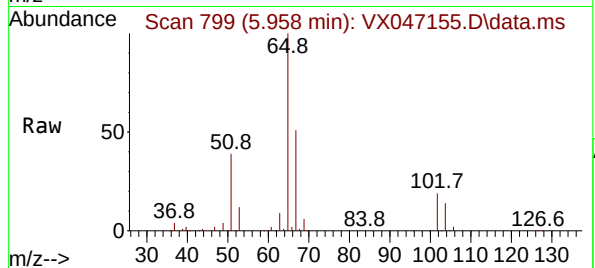
67 52.3 0.0 104.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

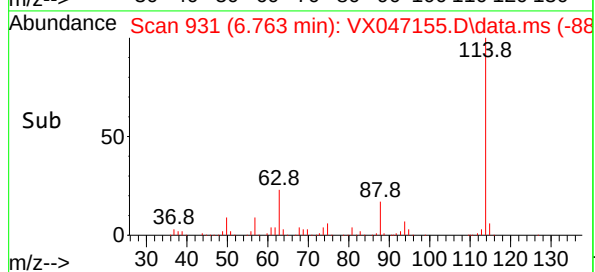
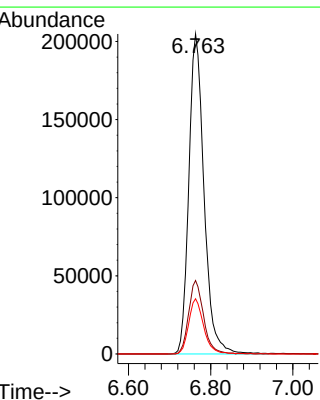
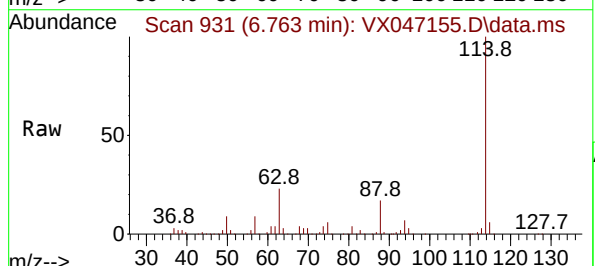
Tgt Ion:114 Resp: 525191

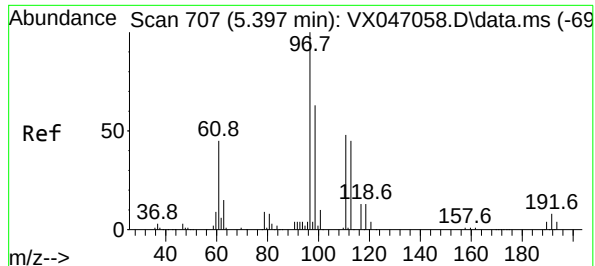
Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.2

88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 47.781 ug/l

RT: 5.391 min Scan# 707

Delta R.T. -0.006 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion:113 Resp: 15494

Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

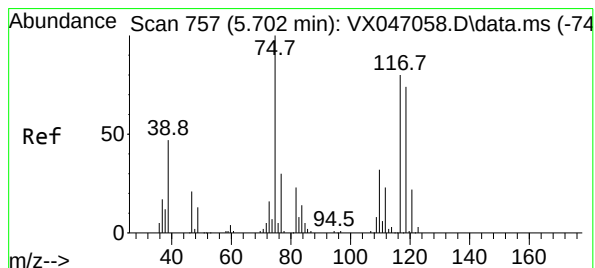
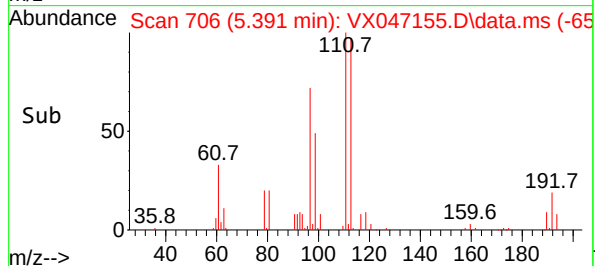
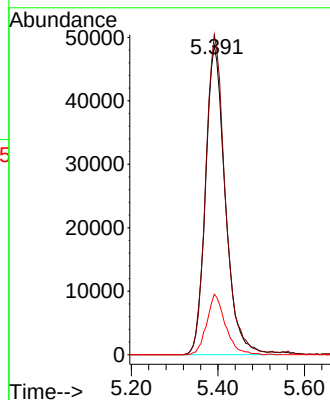
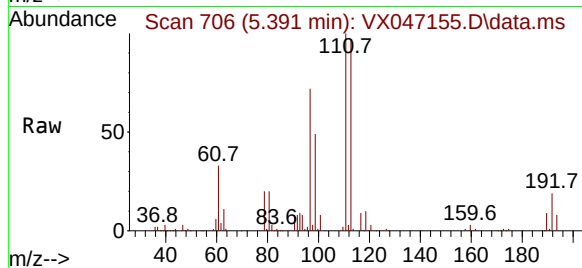
192 18.4 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#36

1,1-Dichloropropene

Concen: 17.941 ug/l

RT: 5.702 min Scan# 757

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

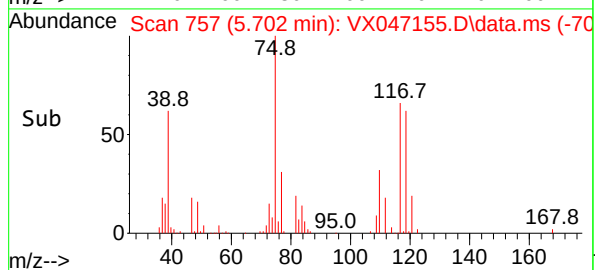
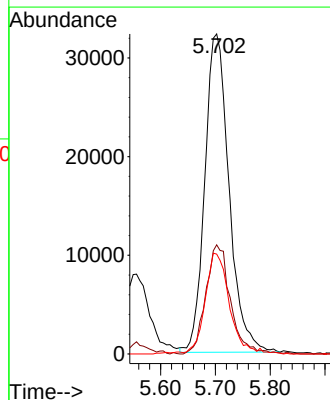
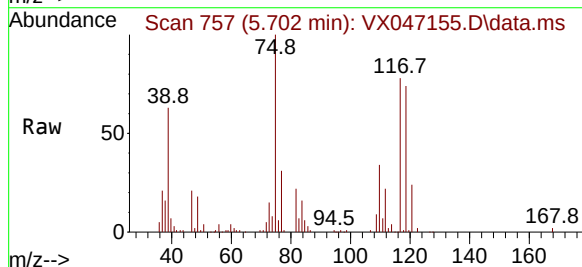
Tgt Ion: 75 Resp: 99171

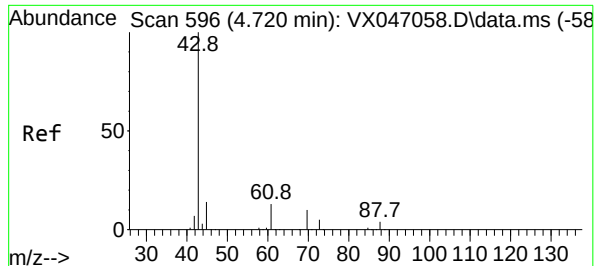
Ion Ratio Lower Upper

75 100

110 34.8 17.2 51.5

77 32.2 25.1 37.7





#37

Ethyl Acetate

Concen: 17.816 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

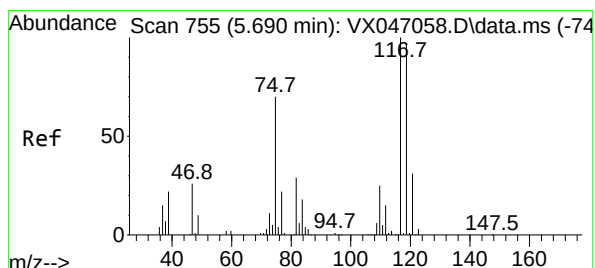
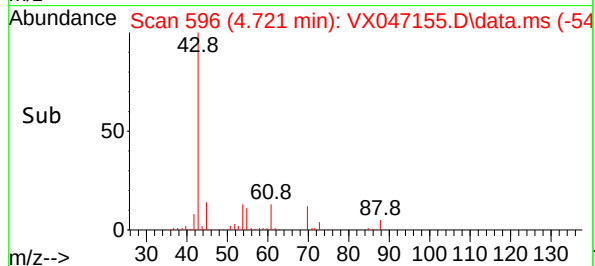
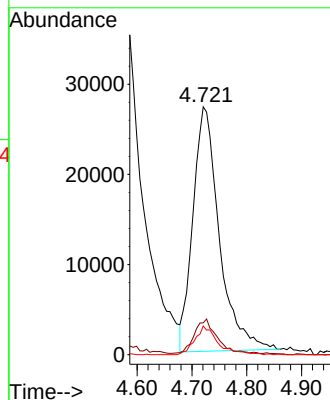
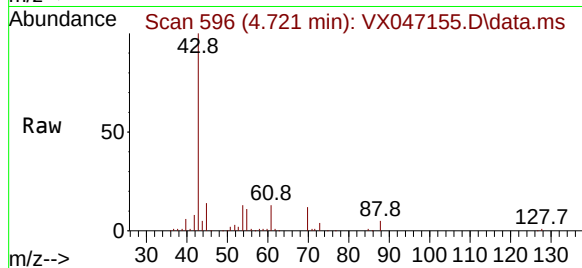
Tgt Ion:	43	Resp:	90744
Ion	Ratio	Lower	Upper
43	100		
61	11.8	10.2	15.2
70	10.2	8.1	12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#38

Carbon Tetrachloride

Concen: 18.933 ug/l

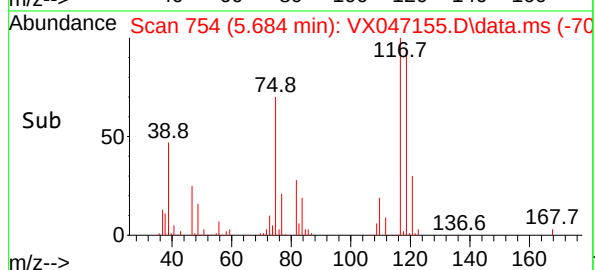
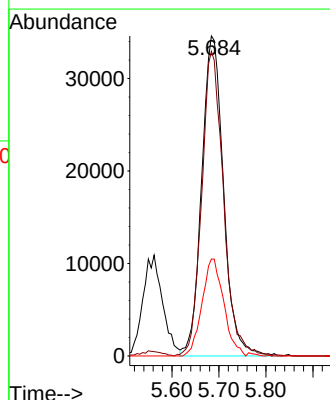
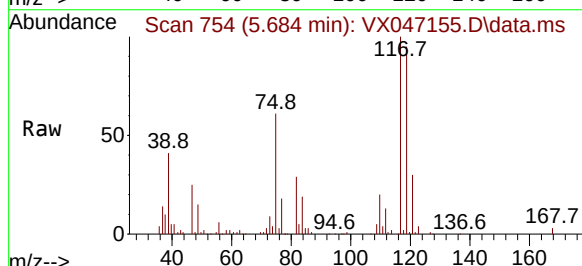
RT: 5.684 min Scan# 754

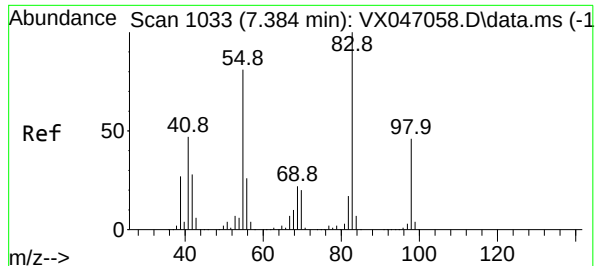
Delta R.T. -0.006 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Tgt Ion:	117	Resp:	111694
Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.6	115.0
121	30.3	24.4	36.6





#39

Methylcyclohexane

Concen: 18.552 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 83 Resp: 12803

Ion Ratio Lower Upper

83 100

55 80.1 64.5 96.7

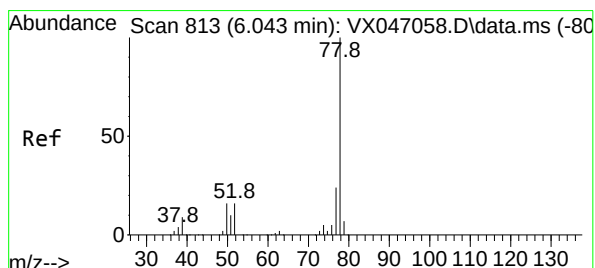
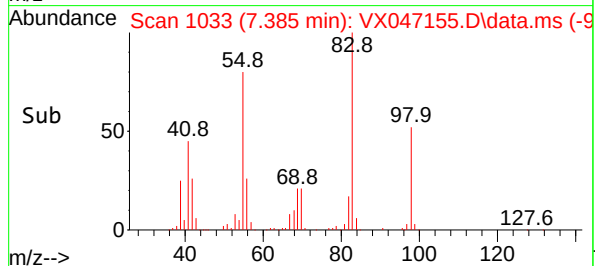
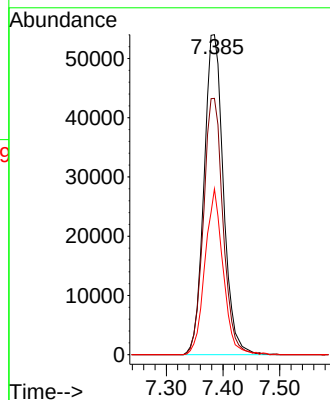
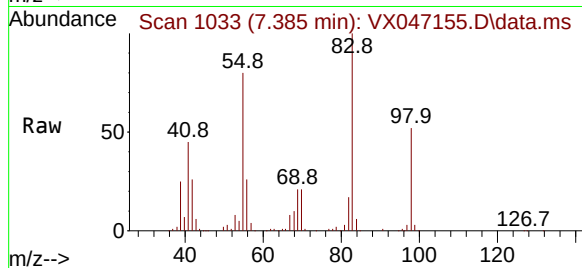
98 51.8 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#40

Benzene

Concen: 18.674 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.000 min

Lab File: VX047155.D

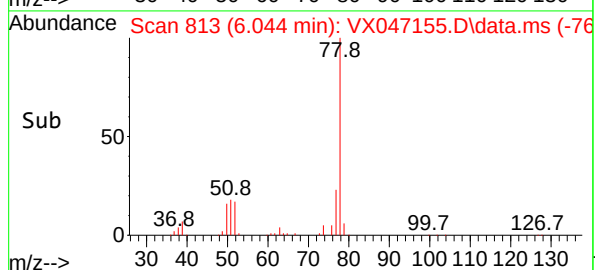
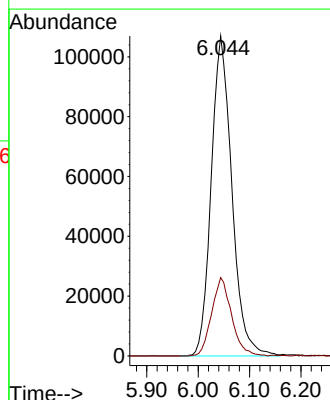
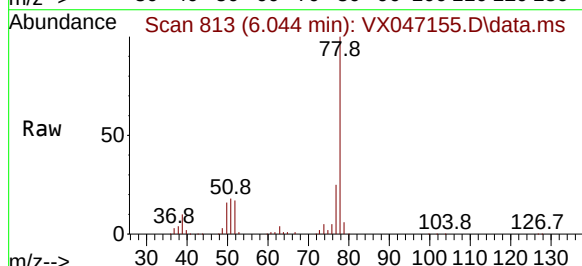
Acq: 28 Jul 2025 10:45

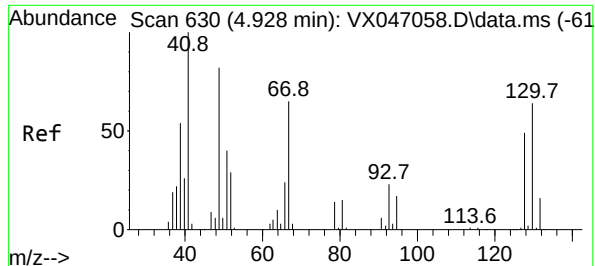
Tgt Ion: 78 Resp: 298722

Ion Ratio Lower Upper

78 100

77 24.5 19.0 28.4





#41

Methacrylonitrile

Concen: 18.170 ug/l

RT: 4.928 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 41 Resp: 48390

Ion Ratio Lower Upper

41 100

39 55.0 44.2 66.2

67 73.3 56.4 84.6

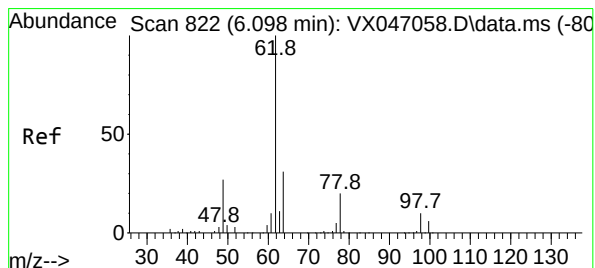
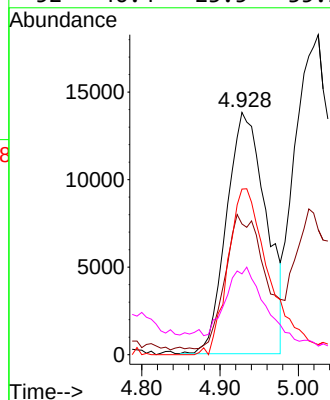
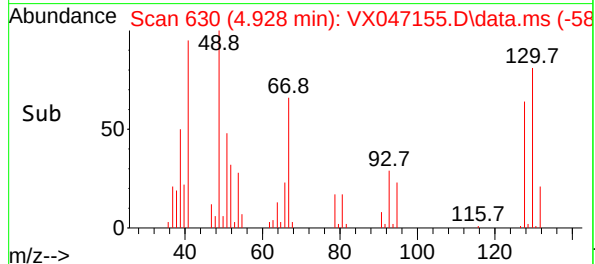
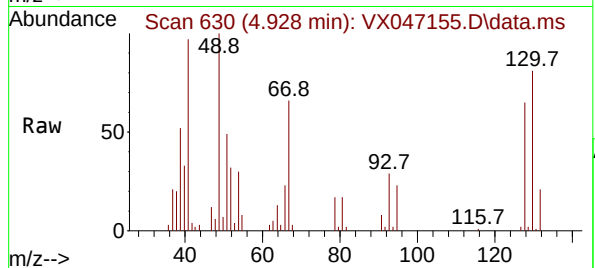
52 46.4 23.5 35.3#

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#42

1,2-Dichloroethane

Concen: 19.183 ug/l

RT: 6.092 min Scan# 821

Delta R.T. -0.006 min

Lab File: VX047155.D

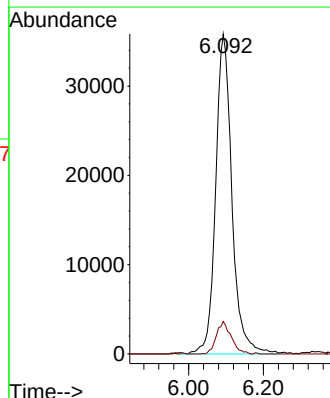
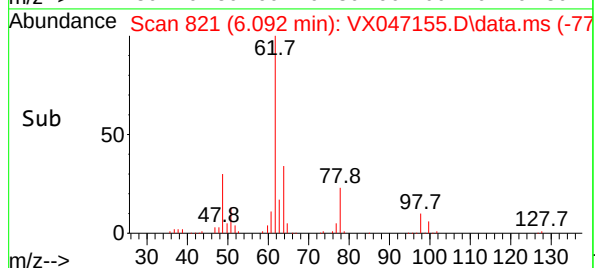
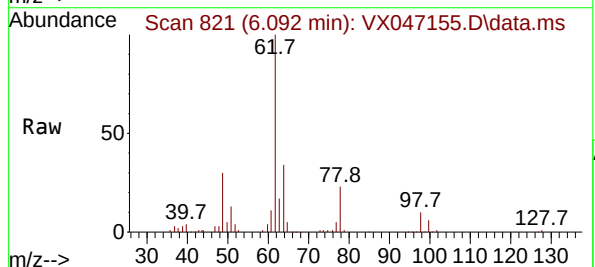
Acq: 28 Jul 2025 10:45

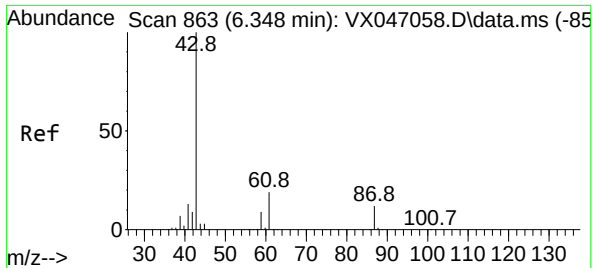
Tgt Ion: 62 Resp: 108096

Ion Ratio Lower Upper

62 100

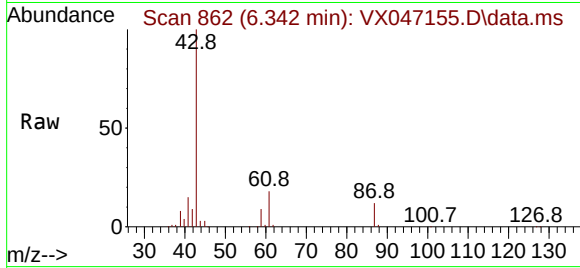
98 9.2 0.0 18.8





#43
Isopropyl Acetate
Concen: 18.866 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

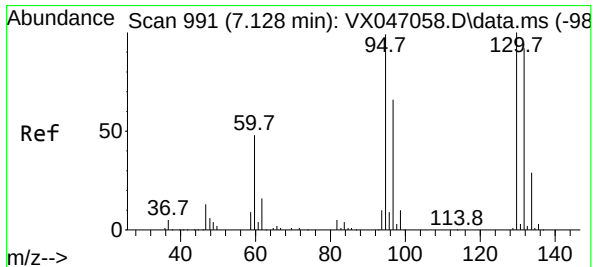
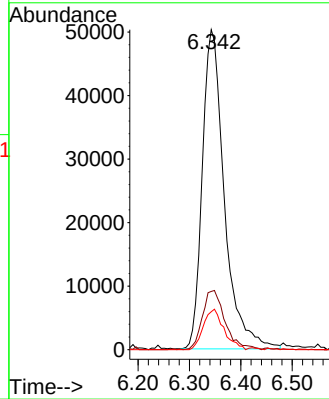
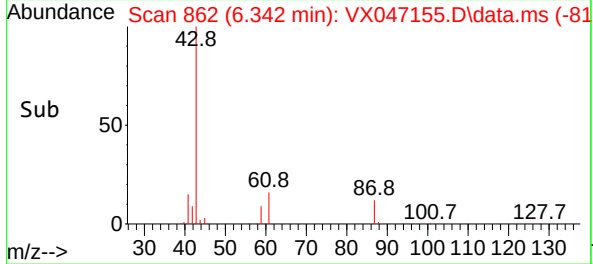
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01



Tgt Ion: 43 Resp: 149800
Ion Ratio Lower Upper
43 100
61 19.0 15.1 22.7
87 11.8 9.7 14.5

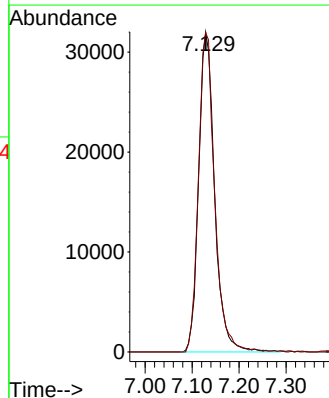
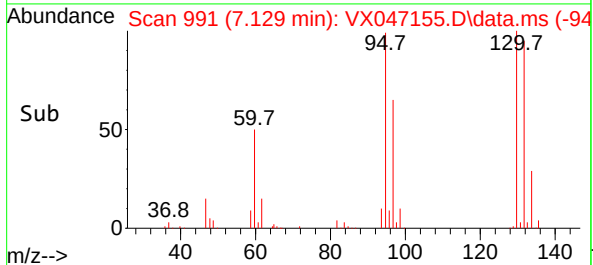
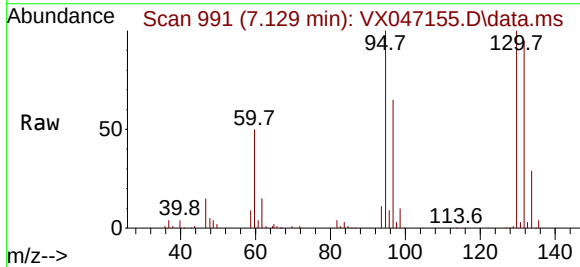
Manual Integrations
APPROVED

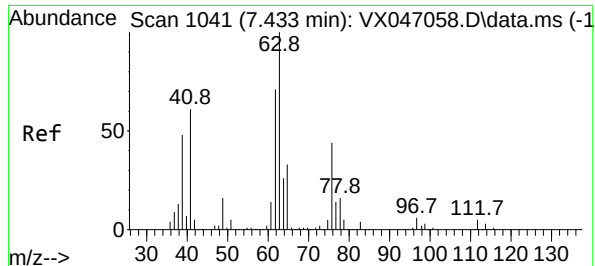
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#44
Trichloroethene
Concen: 18.466 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Tgt Ion:130 Resp: 75750
Ion Ratio Lower Upper
130 100
95 99.8 0.0 198.6





#45

1,2-Dichloropropane

Concen: 18.676 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 63 Resp: 7482

Ion Ratio Lower Upper

63 100

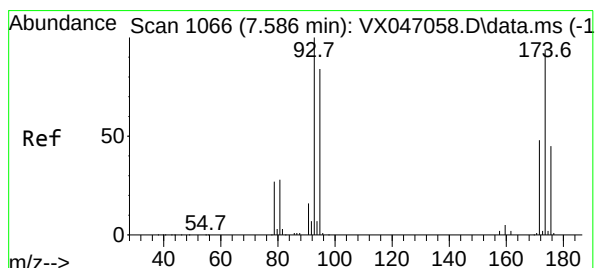
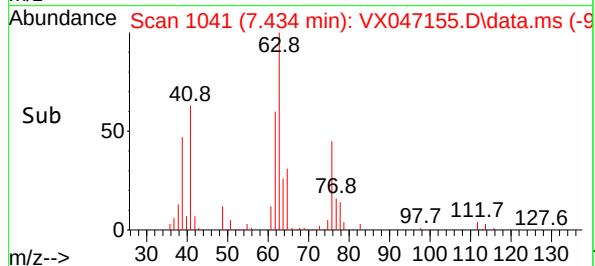
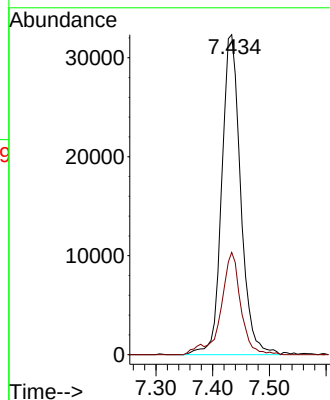
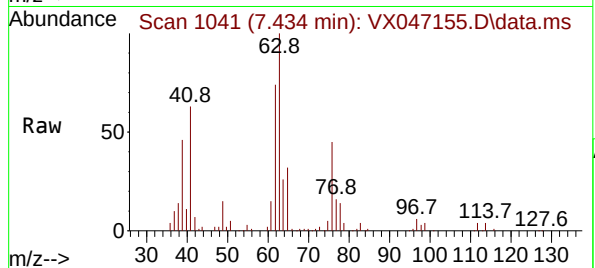
65 31.9 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#46

Dibromomethane

Concen: 19.093 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

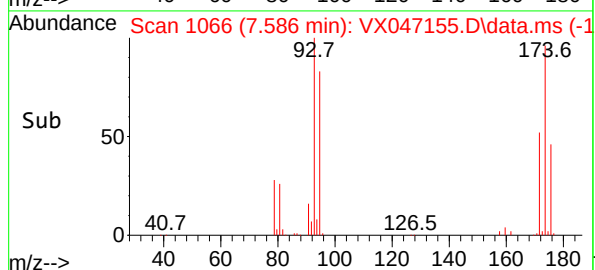
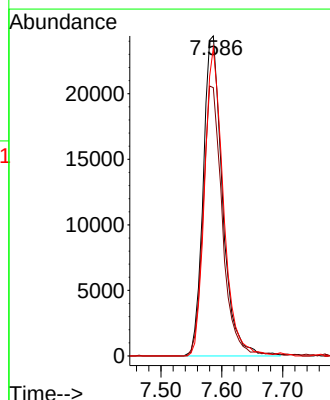
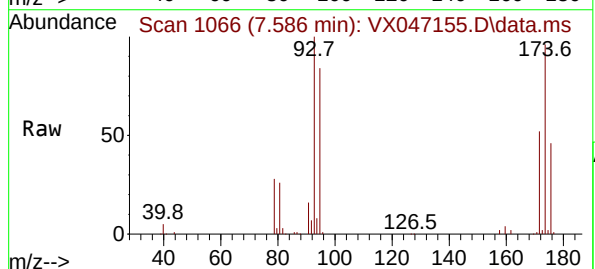
Tgt Ion: 93 Resp: 53643

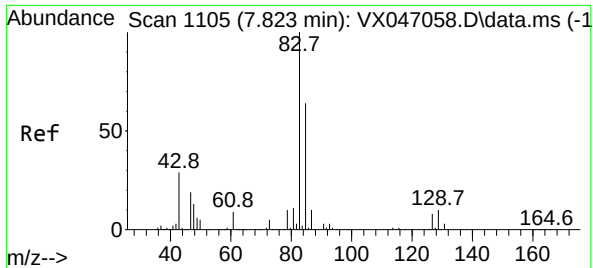
Ion Ratio Lower Upper

93 100

95 84.0 65.9 98.9

174 93.6 74.6 112.0





#47

Bromodichloromethane

Concen: 19.250 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

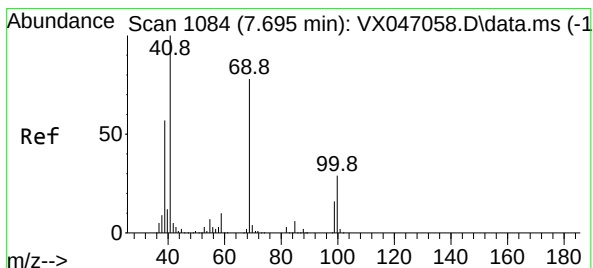
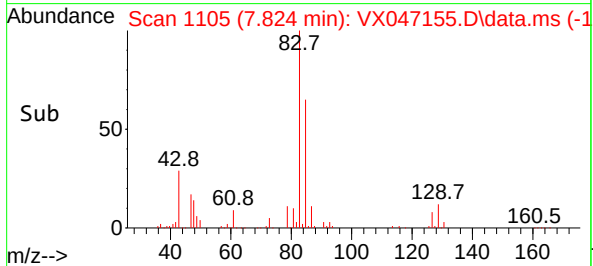
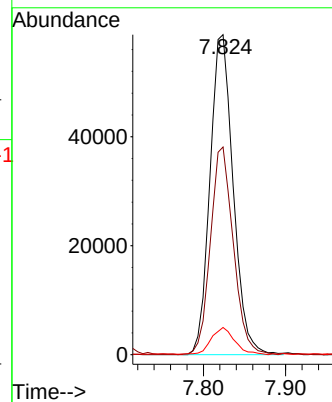
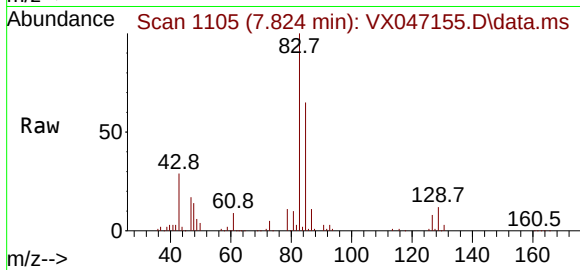
Tgt Ion:	83	Resp:	115118
Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.9	74.9
127	8.2	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#48

Methyl methacrylate

Concen: 17.985 ug/l

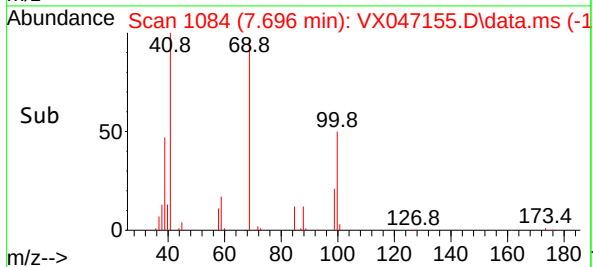
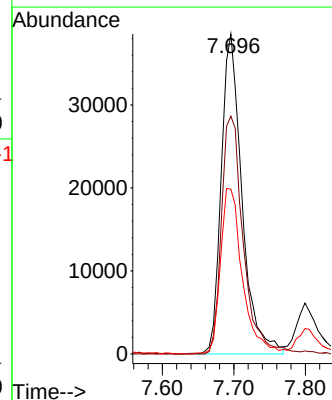
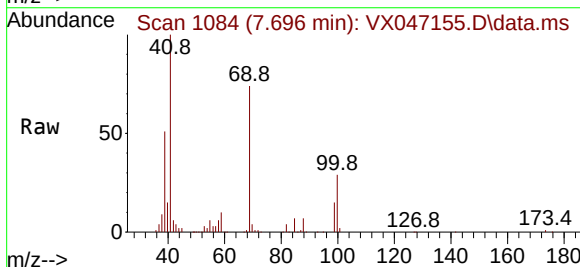
RT: 7.696 min Scan# 1084

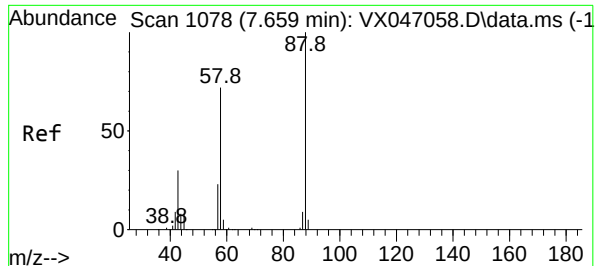
Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Tgt Ion:	41	Resp:	77796
Ion	Ratio	Lower	Upper
41	100		
69	77.9	62.3	93.5
39	54.8	44.8	67.2





#49

1,4-Dioxane

Concen: 388.326 ug/l

RT: 7.708 min Scan# 1086

Delta R.T. 0.049 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 88 Resp: 1910

Ion Ratio Lower Upper

88 100

43 29.0 33.6 50.4

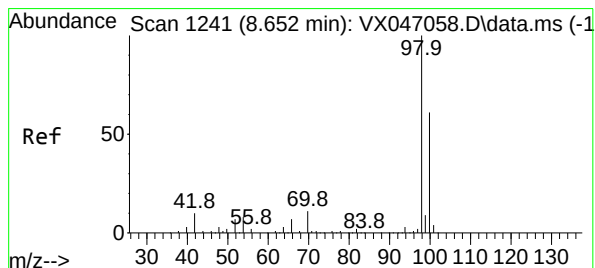
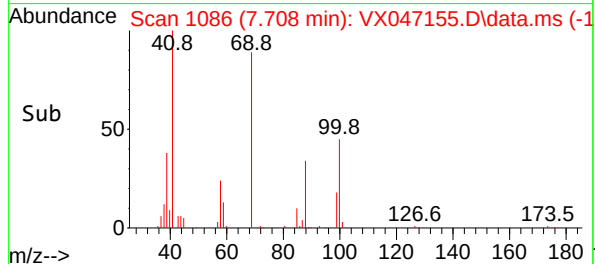
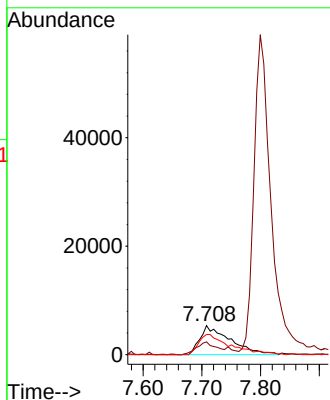
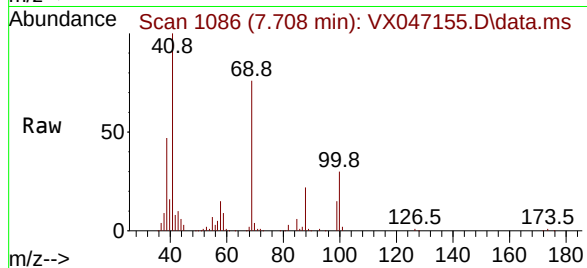
58 73.3 58.8 88.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#50

Toluene-d8

Concen: 45.617 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX047155.D

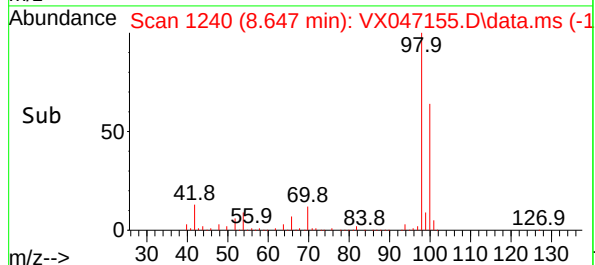
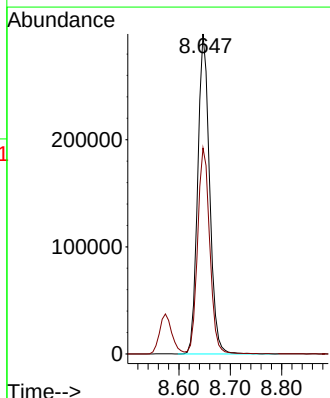
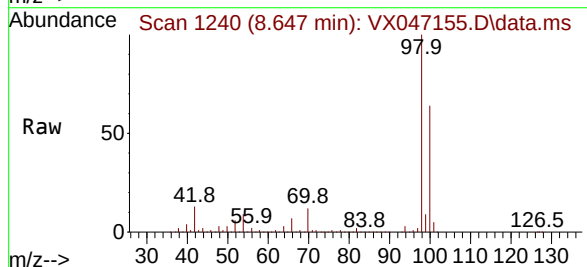
Acq: 28 Jul 2025 10:45

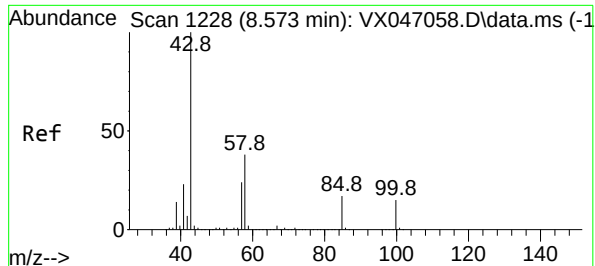
Tgt Ion: 98 Resp: 479039

Ion Ratio Lower Upper

98 100

100 65.7 53.3 79.9





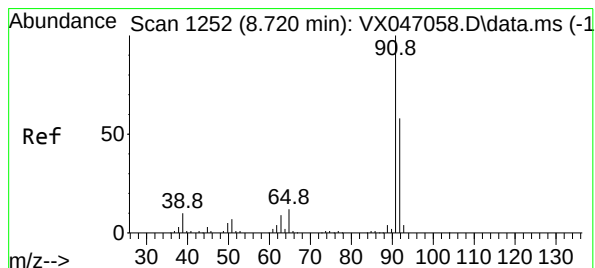
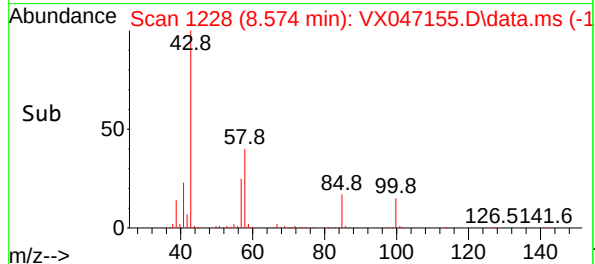
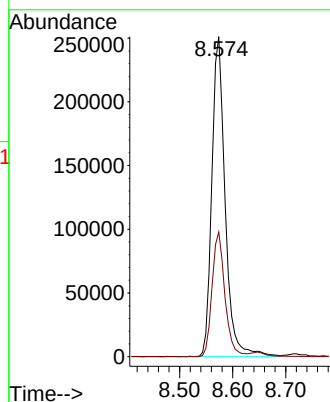
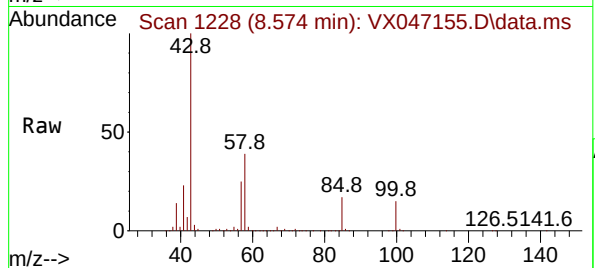
#51
4-Methyl-2-Pentanone
Concen: 92.973 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01

Tgt Ion: 43 Resp: 438798
Ion Ratio Lower Upper
43 100
58 37.6 30.6 45.8

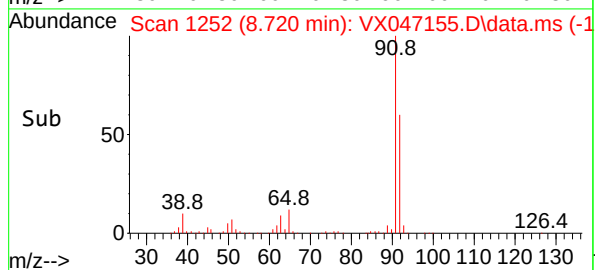
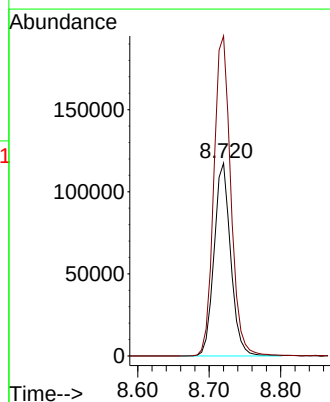
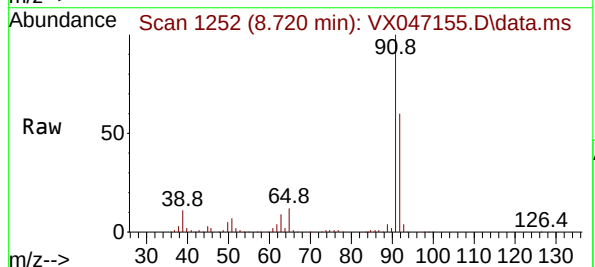
Manual Integrations
APPROVED

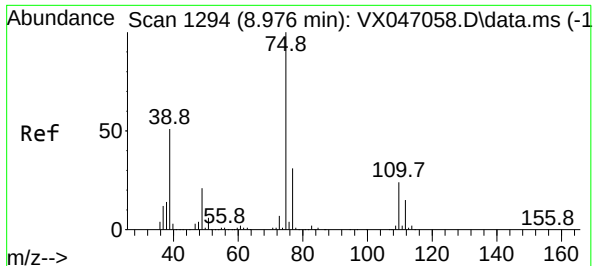
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#52
Toluene
Concen: 19.185 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

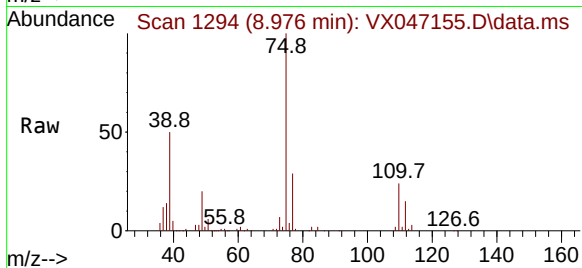
Tgt Ion: 92 Resp: 188706
Ion Ratio Lower Upper
92 100
91 170.3 137.9 206.9





#53
t-1,3-Dichloropropene
Concen: 19.124 ug/l
RT: 8.976 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

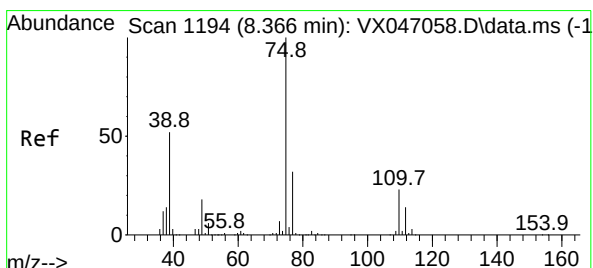
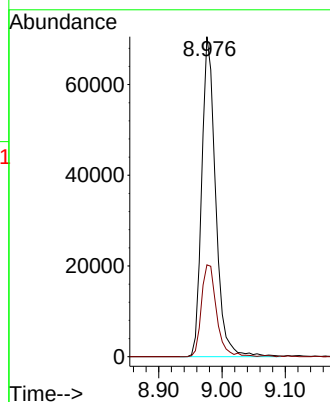
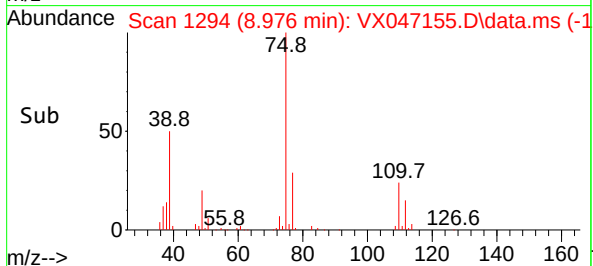
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01



Tgt Ion: 75 Resp: 107997
Ion Ratio Lower Upper
75 100
77 28.7 24.5 36.7

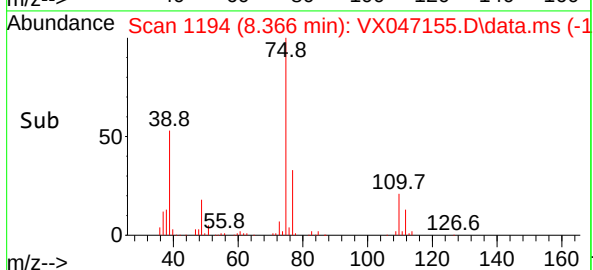
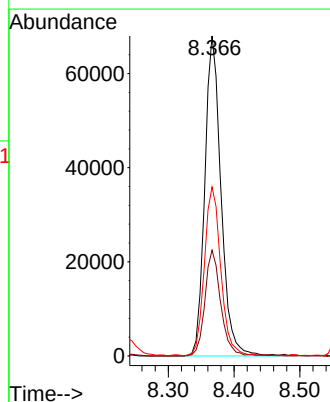
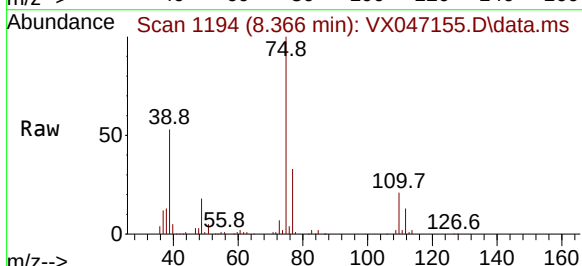
Manual Integrations
APPROVED

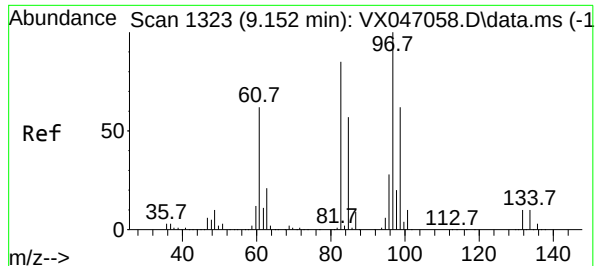
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#54
cis-1,3-Dichloropropene
Concen: 18.905 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Tgt Ion: 75 Resp: 116846
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.0
39 52.5 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 19.007 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 97 Resp: 7011

Ion Ratio Lower Upper

97 100

83 85.9 68.0 102.0

85 55.9 45.2 67.8

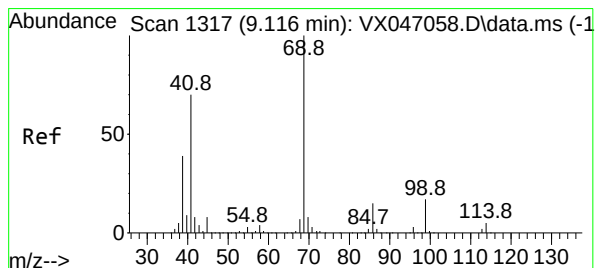
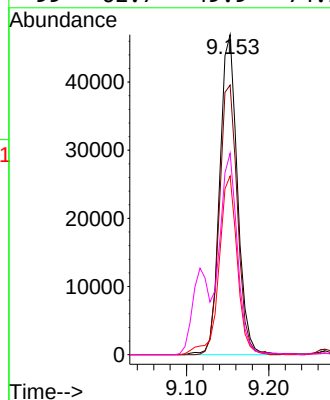
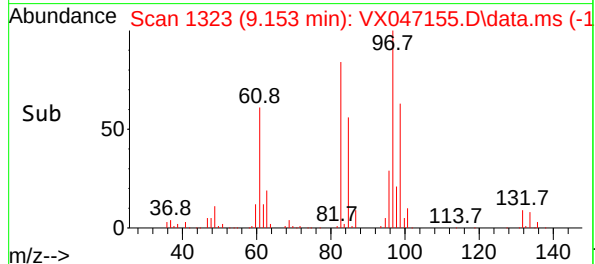
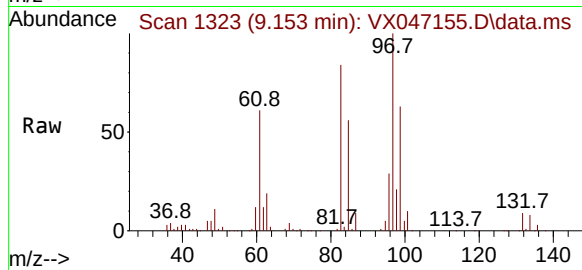
99 62.7 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#56

Ethyl methacrylate

Concen: 18.715 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

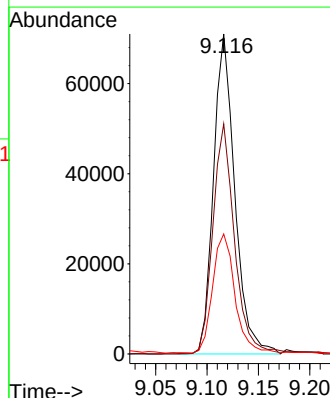
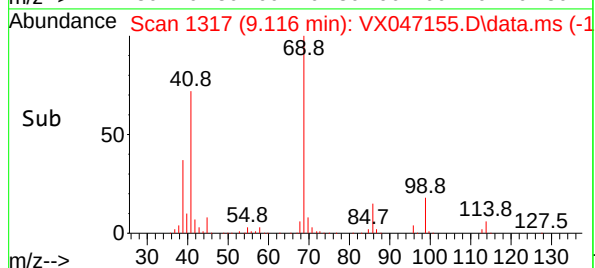
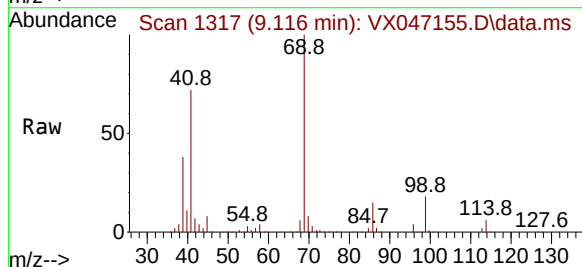
Tgt Ion: 69 Resp: 102202

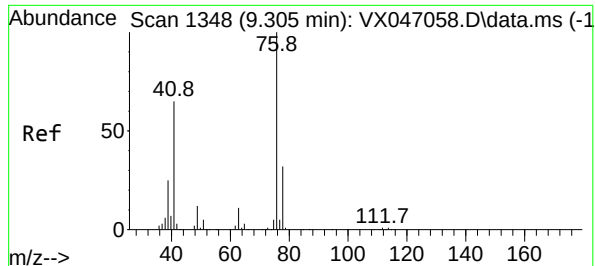
Ion Ratio Lower Upper

69 100

41 73.4 56.1 84.1

39 41.0 31.1 46.7





#57

1,3-Dichloropropane

Concen: 18.672 ug/l

RT: 9.305 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 76 Resp: 11970

Ion Ratio Lower Upper

76 100

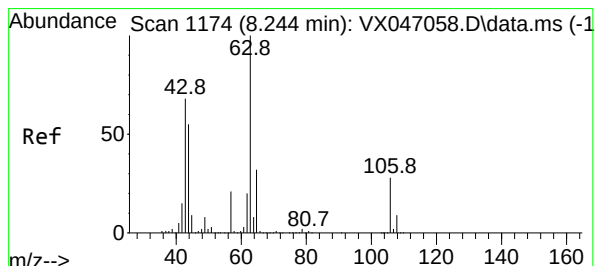
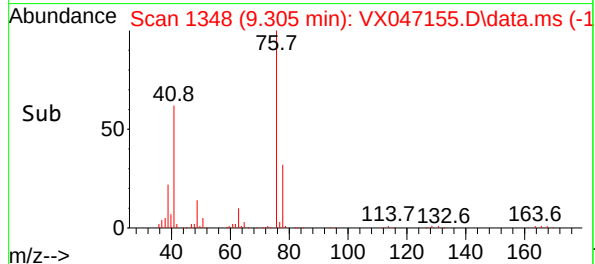
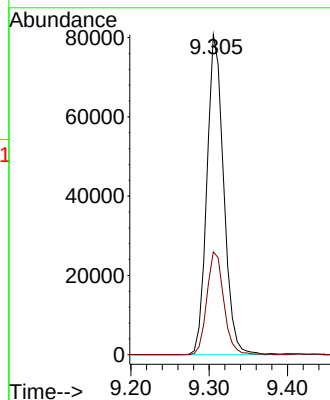
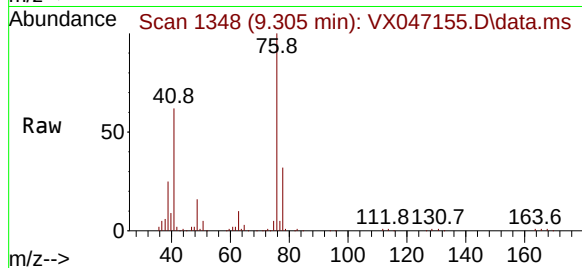
78 32.3 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#58

2-Chloroethyl Vinyl ether

Concen: 83.687 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VX047155.D

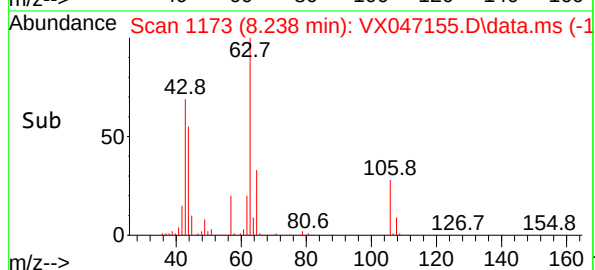
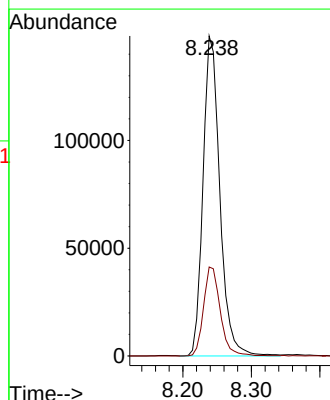
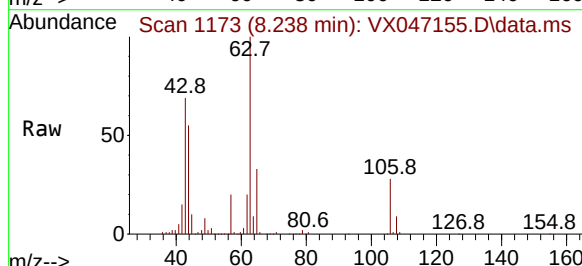
Acq: 28 Jul 2025 10:45

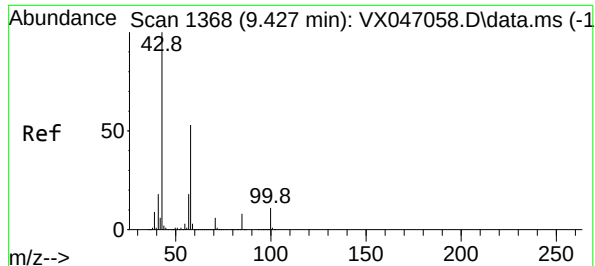
Tgt Ion: 63 Resp: 254306

Ion Ratio Lower Upper

63 100

106 27.6 22.2 33.4





#59

2-Hexanone

Concen: 95.547 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 43 Resp: 29793

Ion Ratio Lower Upper

43 100

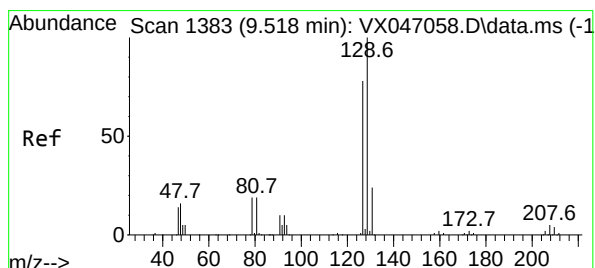
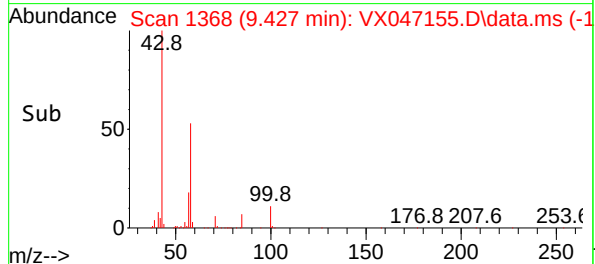
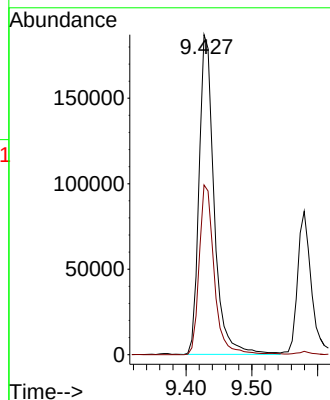
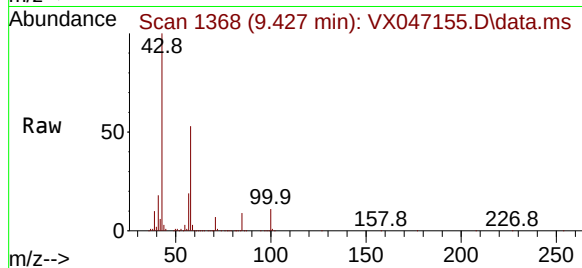
58 52.8 26.5 79.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#60

Dibromochloromethane

Concen: 19.331 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX047155.D

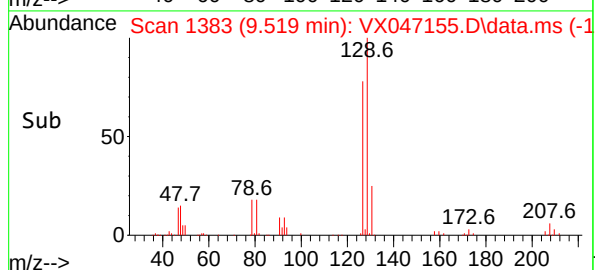
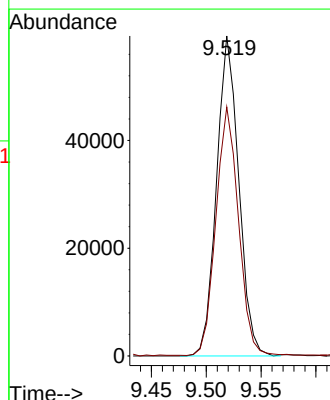
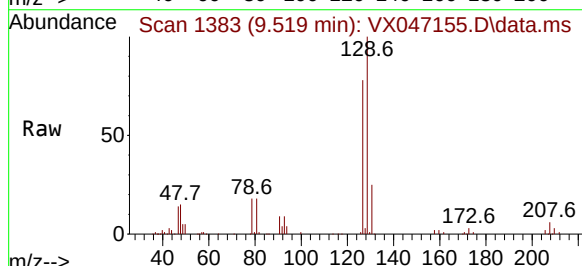
Acq: 28 Jul 2025 10:45

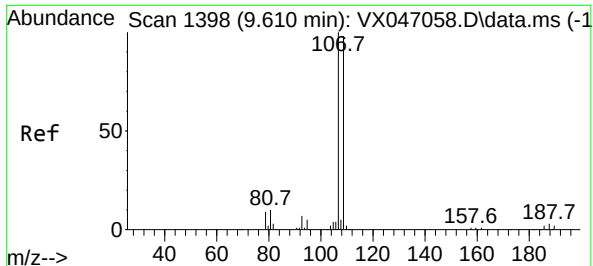
Tgt Ion:129 Resp: 83631

Ion Ratio Lower Upper

129 100

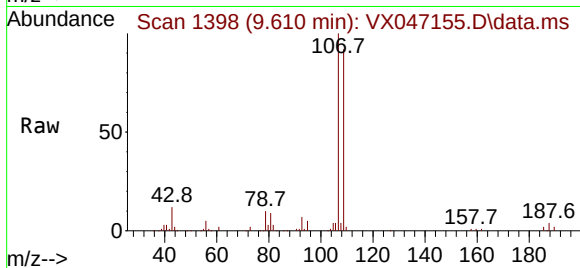
127 78.8 38.6 115.8





#61
1,2-Dibromoethane
Concen: 18.493 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

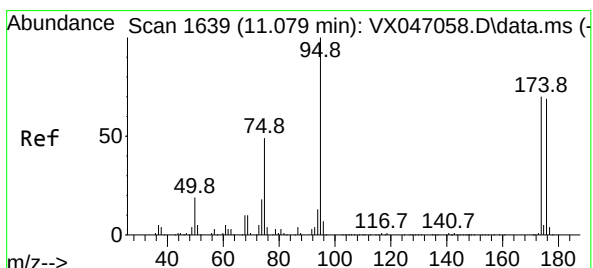
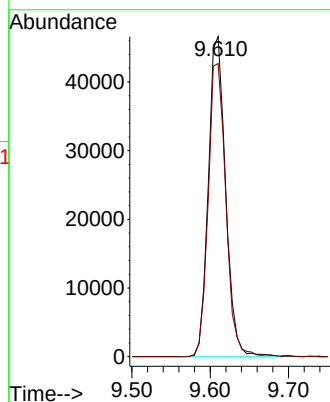
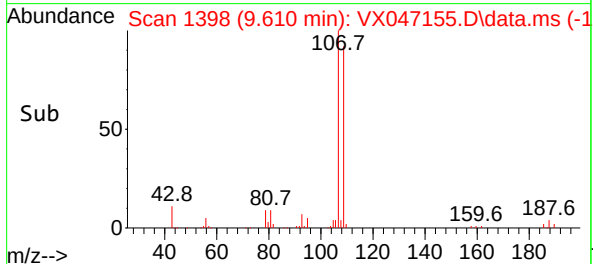
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01



Tgt Ion:107 Resp: 71328
Ion Ratio Lower Upper
107 100
109 93.3 74.6 112.0

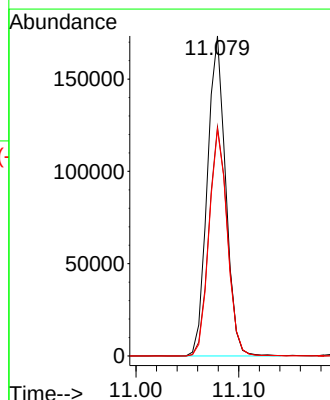
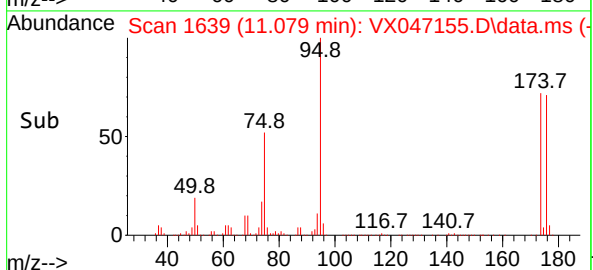
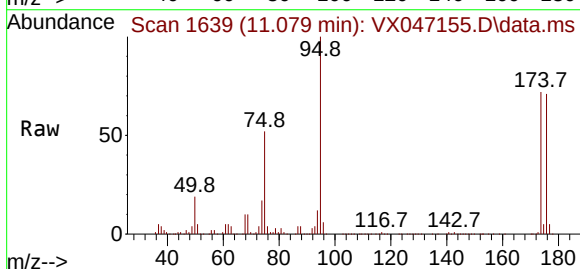
Manual Integrations
APPROVED

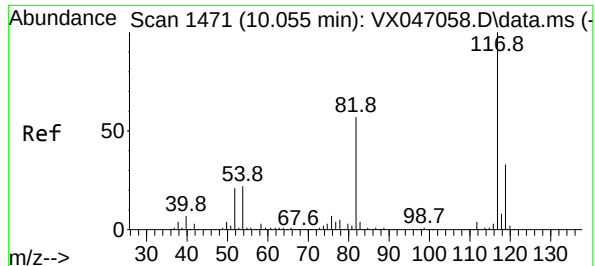
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#62
4-Bromofluorobenzene
Concen: 47.412 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

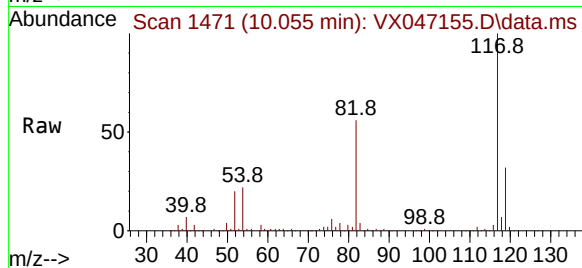
Tgt Ion: 95 Resp: 214565
Ion Ratio Lower Upper
95 100
174 71.9 0.0 144.6
176 70.4 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

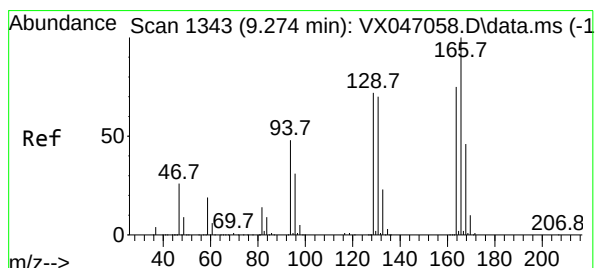
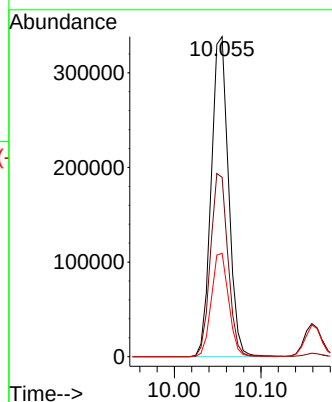
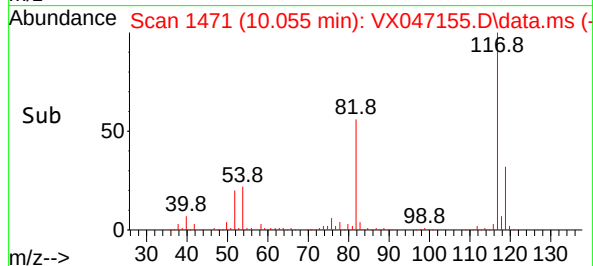
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01



Tgt Ion:117 Resp: 469750
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.2
119 32.3 26.1 39.1

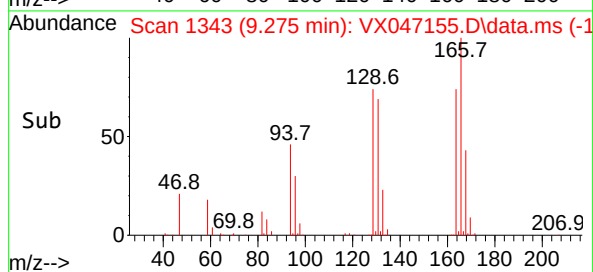
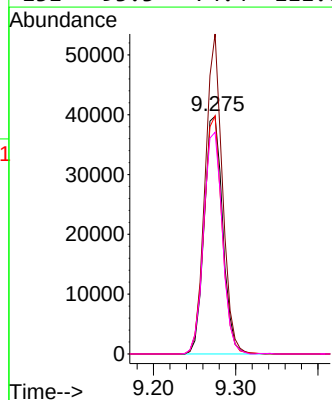
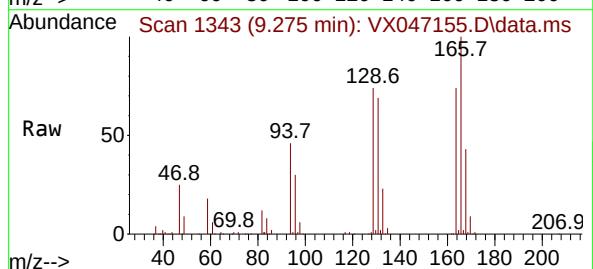
Manual Integrations
APPROVED

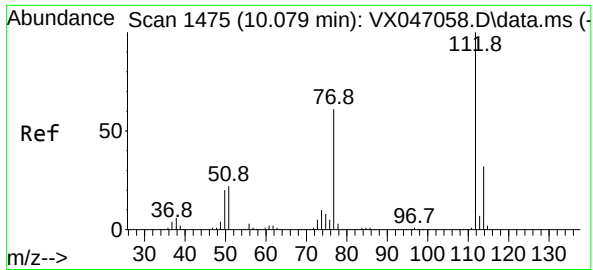
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#64
Tetrachloroethene
Concen: 18.286 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Tgt Ion:164 Resp: 61923
Ion Ratio Lower Upper
164 100
166 134.6 106.2 159.4
129 100.2 76.6 114.8
131 93.3 74.4 111.6





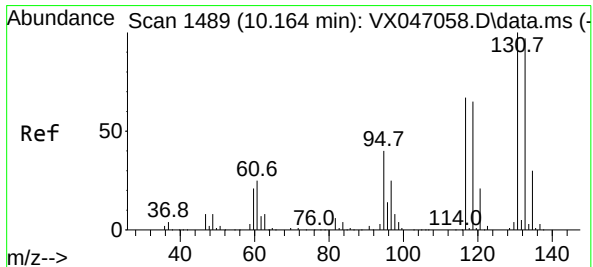
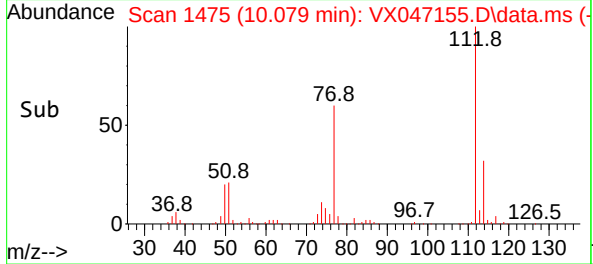
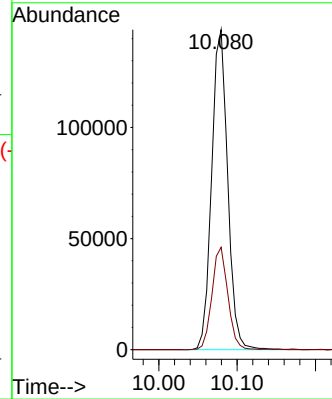
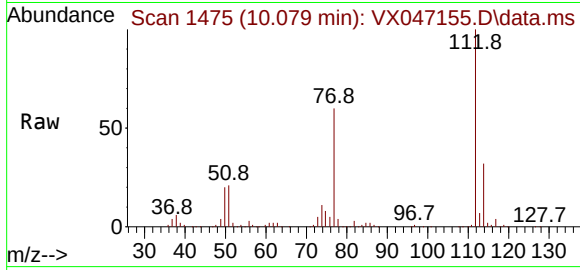
#65
Chlorobenzene
Concen: 18.571 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01

Tgt Ion:112 Resp: 204374
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

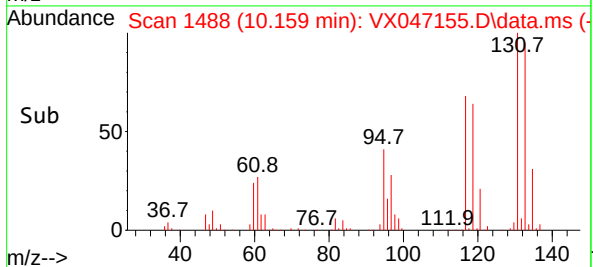
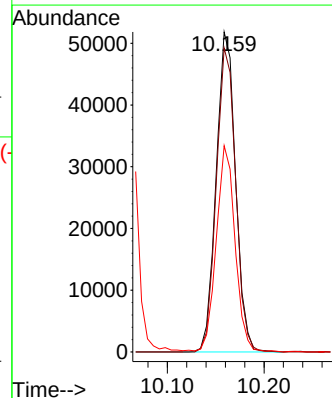
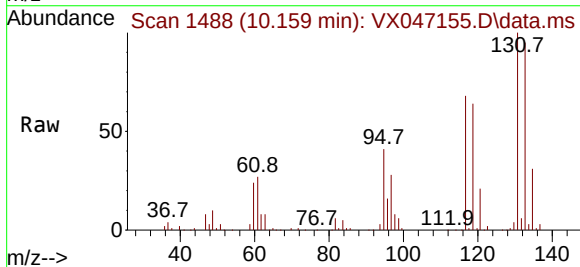
Manual Integrations
APPROVED

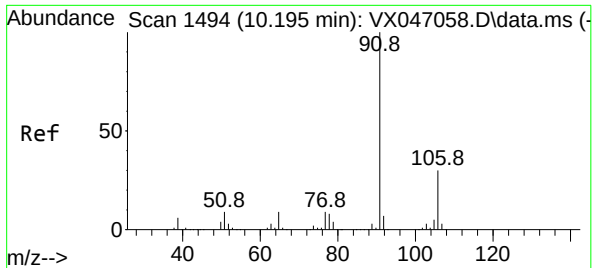
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.397 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Tgt Ion:131 Resp: 71869
Ion Ratio Lower Upper
131 100
133 95.0 48.4 145.3
119 62.6 32.4 97.0





#67

Ethyl Benzene

Concen: 19.028 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 91 Resp: 366130

Ion Ratio Lower Upper

91 100

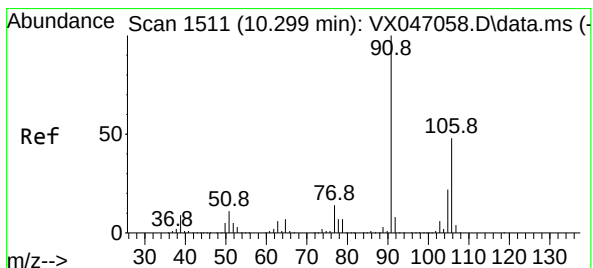
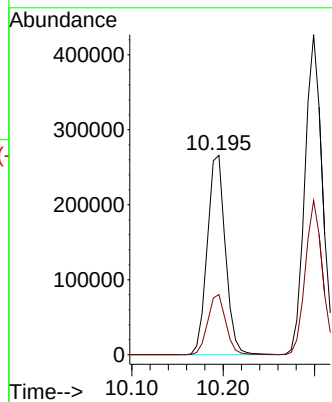
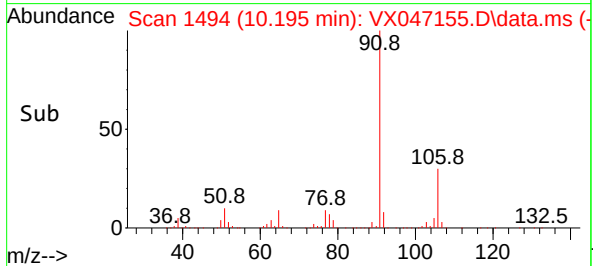
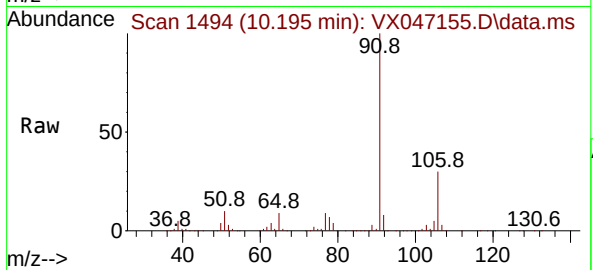
106 30.2 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#68

m/p-Xylenes

Concen: 37.643 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX047155.D

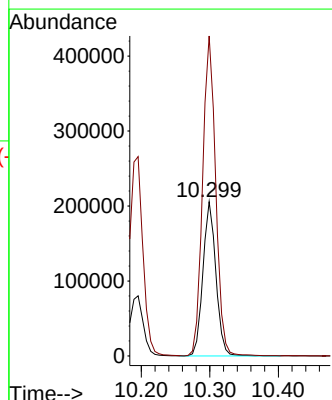
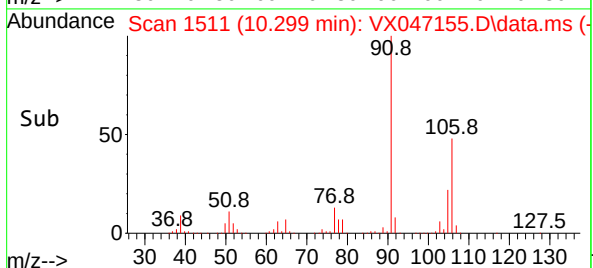
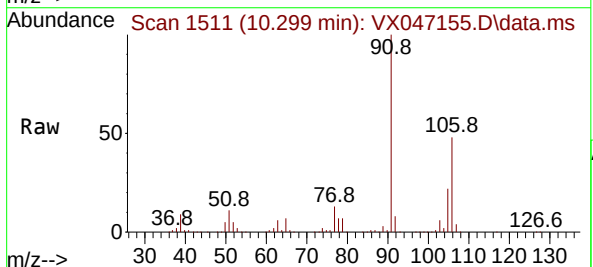
Acq: 28 Jul 2025 10:45

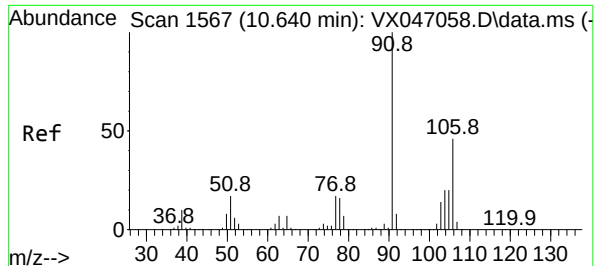
Tgt Ion:106 Resp: 271050

Ion Ratio Lower Upper

106 100

91 210.4 167.4 251.0





#69

o-Xylene

Concen: 19.218 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion:106 Resp: 13164

Ion Ratio Lower Upper

106 100

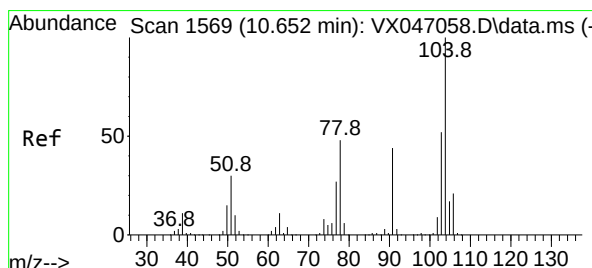
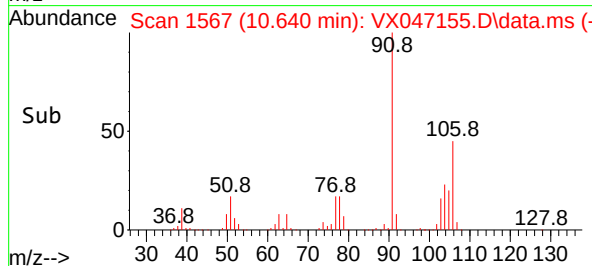
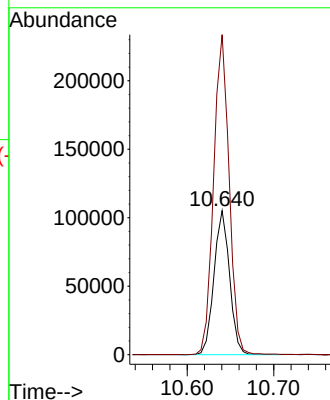
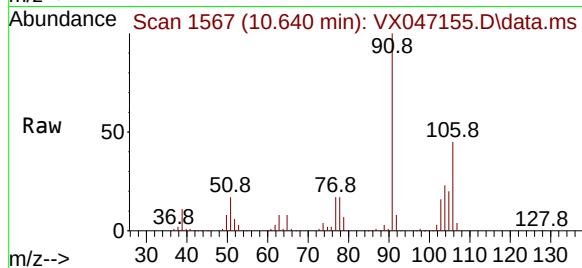
91 221.6 110.3 331.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#70

Styrene

Concen: 19.165 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

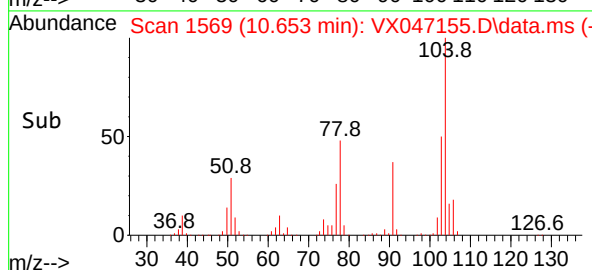
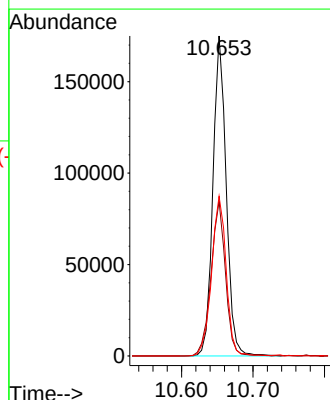
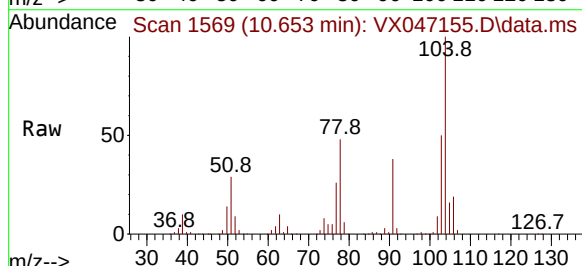
Tgt Ion:104 Resp: 225118

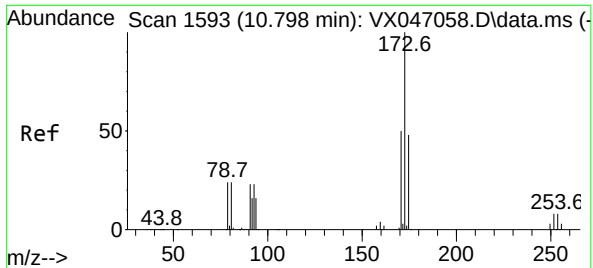
Ion Ratio Lower Upper

104 100

78 52.8 42.0 63.0

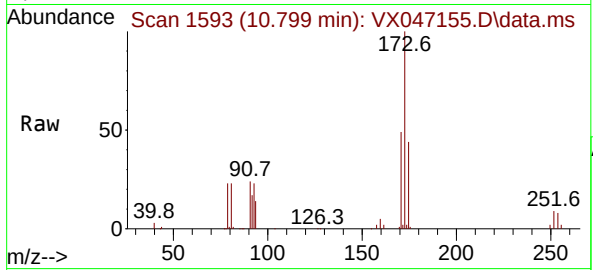
103 54.9 43.8 65.6





#71
Bromoform
Concen: 19.503 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

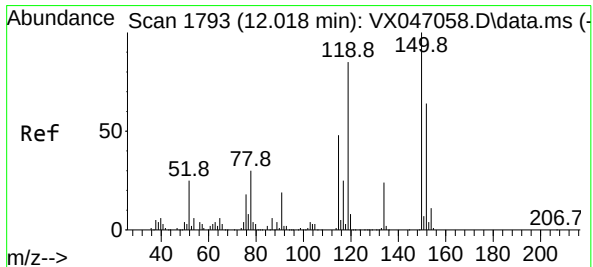
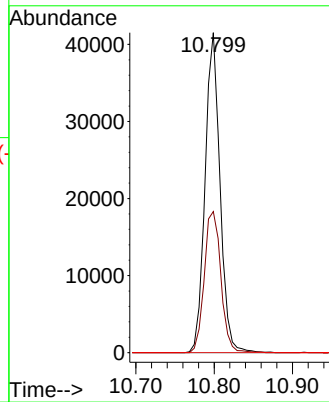
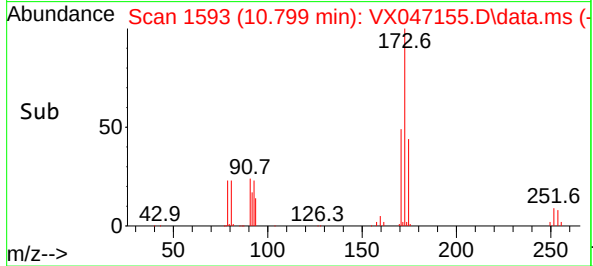
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01



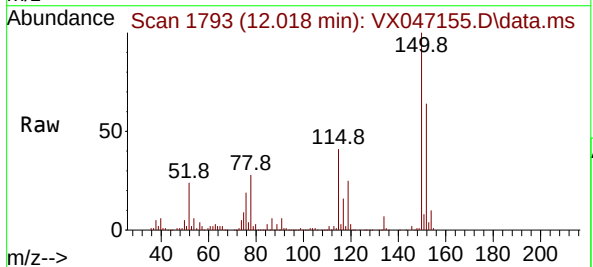
Tgt Ion:173 Resp: 54892
Ion Ratio Lower Upper
173 100
175 49.1 24.2 72.6
254 0.0 0.1 0.1

Manual Integrations
APPROVED

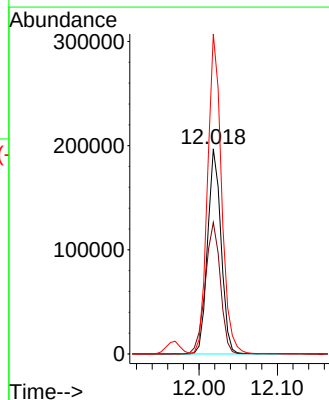
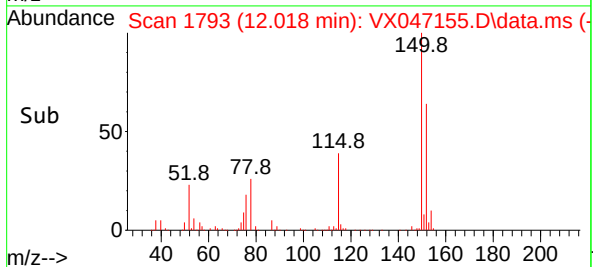
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025

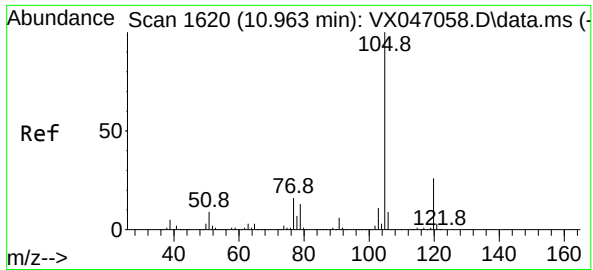


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45



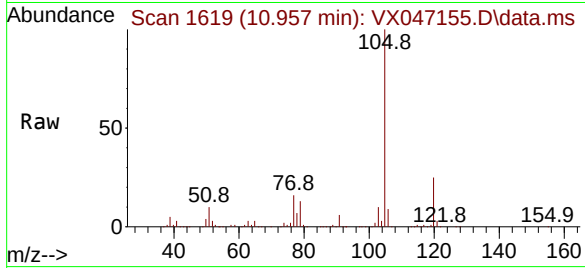
Tgt Ion:152 Resp: 234098
Ion Ratio Lower Upper
152 100
115 72.2 45.6 136.7
150 161.9 0.0 354.6





#73
Isopropylbenzene
Concen: 18.914 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

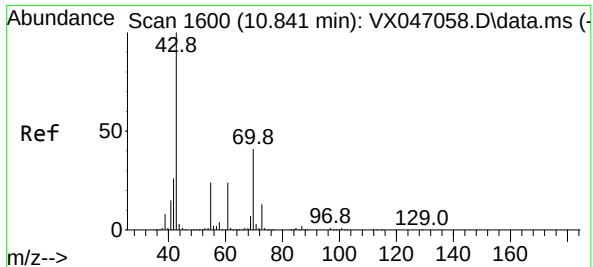
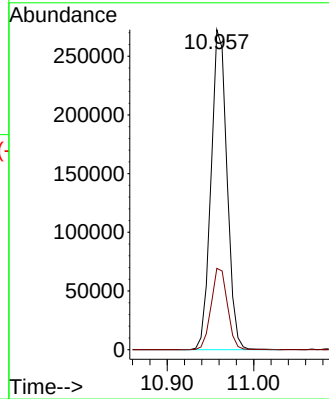
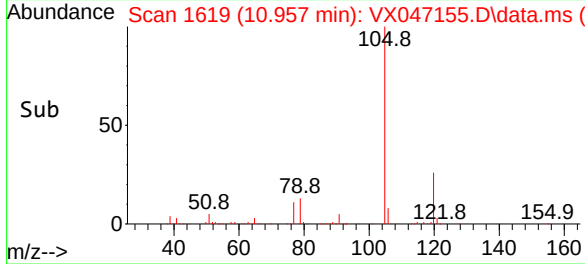
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01



Tgt Ion:105 Resp: 349329
Ion Ratio Lower Upper
105 100
120 25.9 12.9 38.7

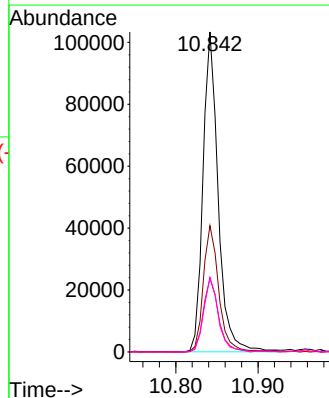
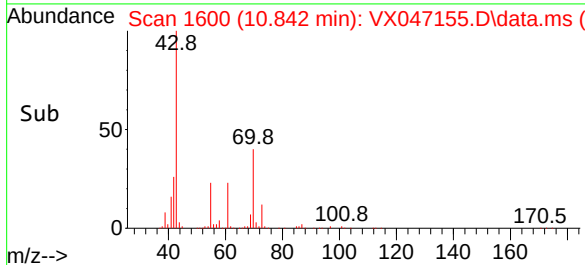
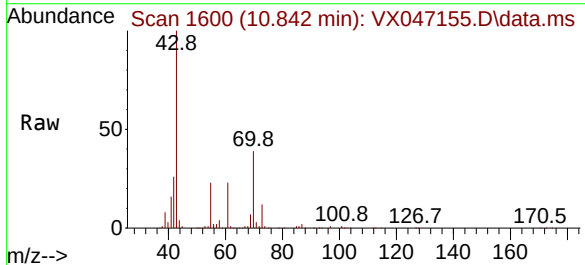
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APPROVED

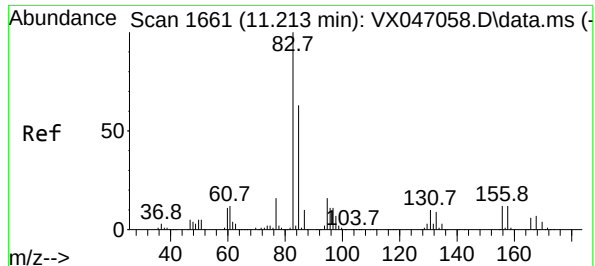
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#74
N-ethyl acetate
Concen: 17.807 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Tgt Ion: 43 Resp: 132693
Ion Ratio Lower Upper
43 100
70 40.6 32.3 48.5
55 23.5 18.9 28.3
61 22.4 18.7 28.1





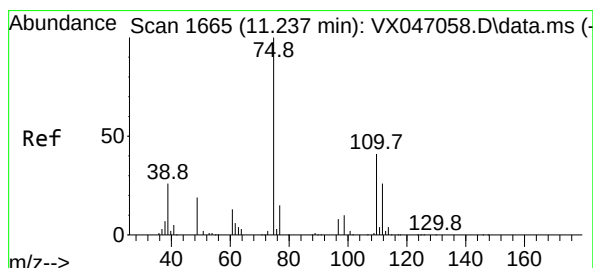
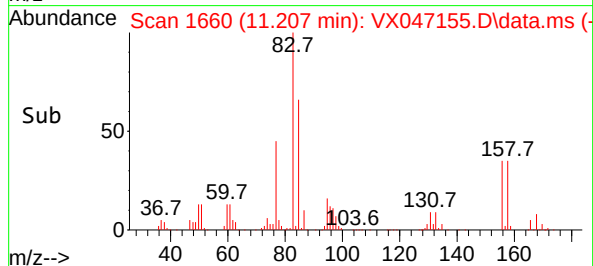
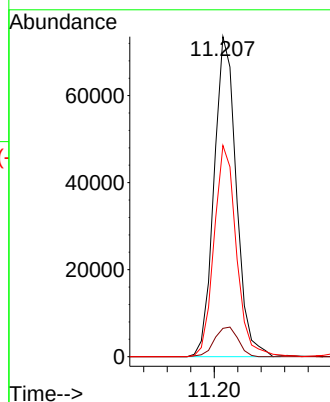
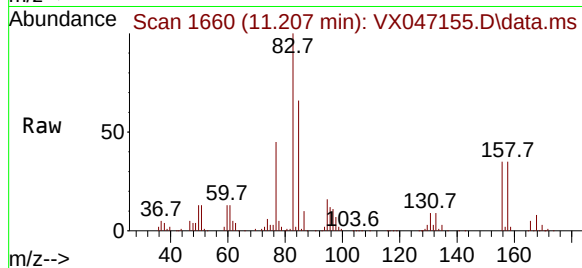
#75
1,1,2,2-Tetrachloroethane
Concen: 18.348 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01

Tgt Ion: 83 Resp: 9679
Ion Ratio Lower Upper
83 100
131 9.8 5.0 14.9
85 66.1 32.0 96.2

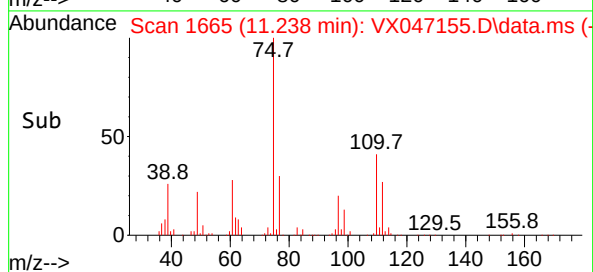
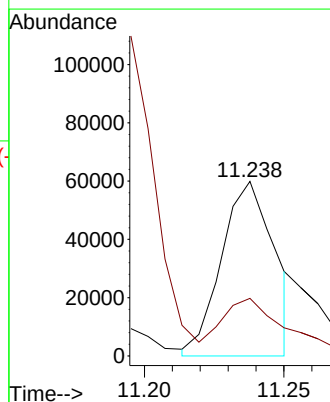
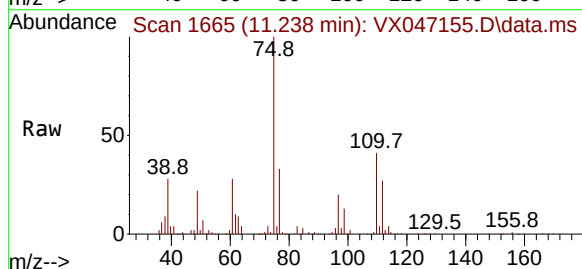
Manual Integrations
APPROVED

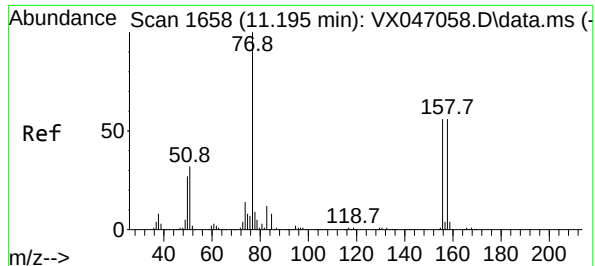
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#76
1,2,3-Trichloropropane
Concen: 18.285 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Tgt Ion: 75 Resp: 79231
Ion Ratio Lower Upper
75 100
77 41.1 21.6 65.0





#77

Bromobenzene

Concen: 18.509 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion:156 Resp: 8199

Ion Ratio Lower Upper

156 100

77 174.4 87.3 261.9

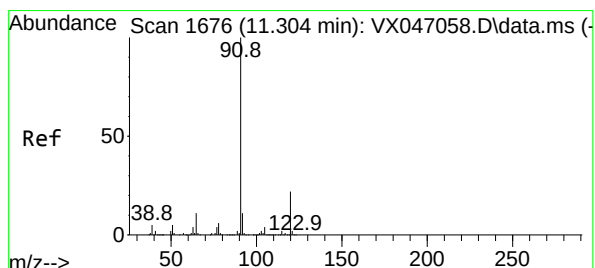
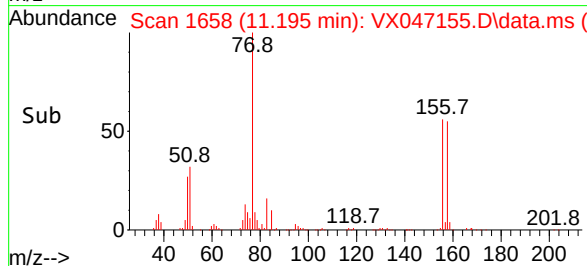
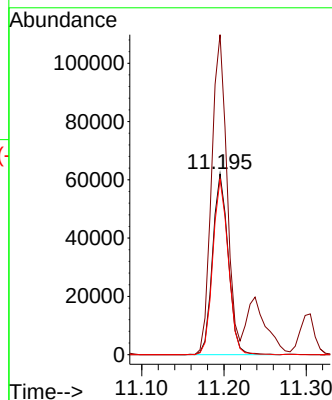
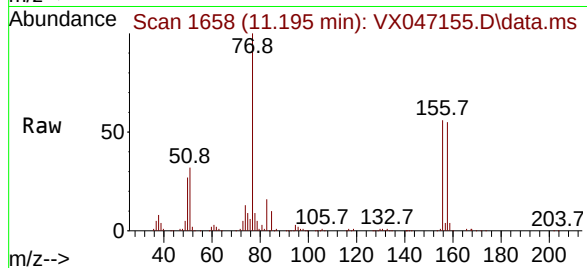
158 95.7 48.9 146.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#78

n-propylbenzene

Concen: 18.839 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.006 min

Lab File: VX047155.D

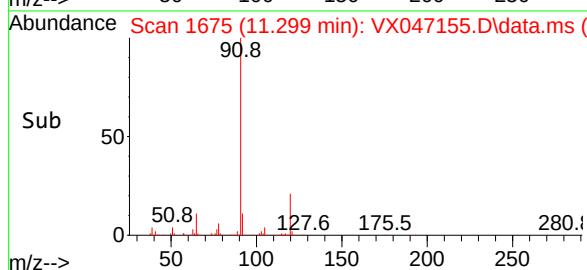
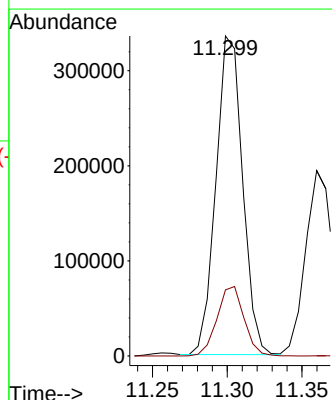
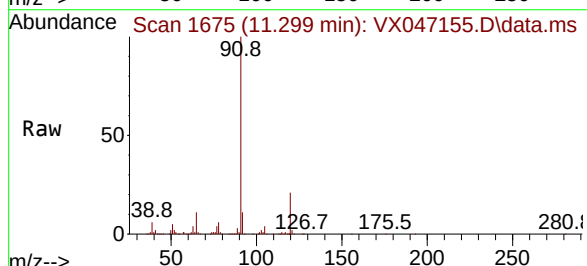
Acq: 28 Jul 2025 10:45

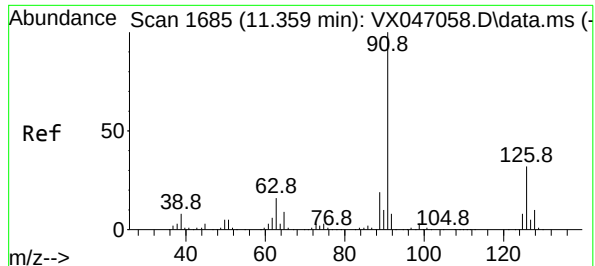
Tgt Ion: 91 Resp: 415786

Ion Ratio Lower Upper

91 100

120 22.1 11.0 33.0





#79

2-Chlorotoluene

Concen: 18.710 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 91 Resp: 24683

Ion Ratio Lower Upper

91 100

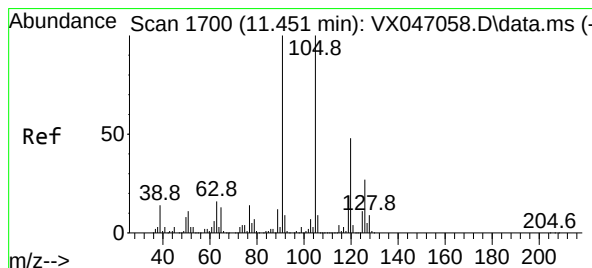
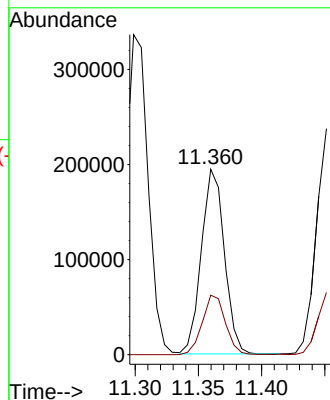
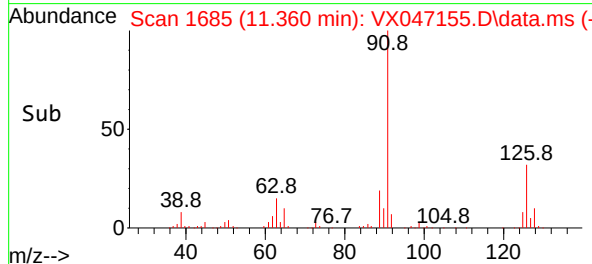
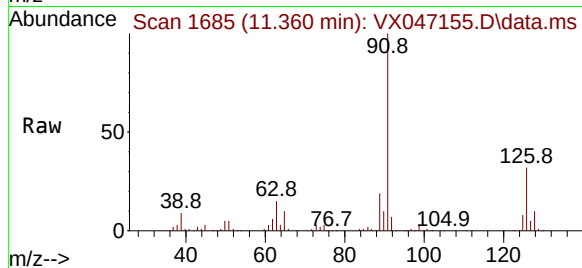
126 32.4 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.003 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX047155.D

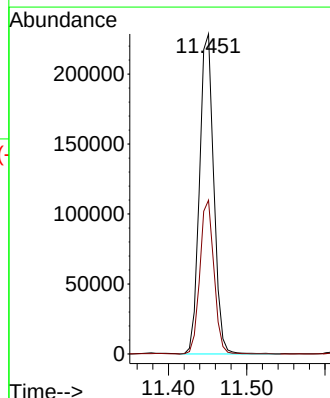
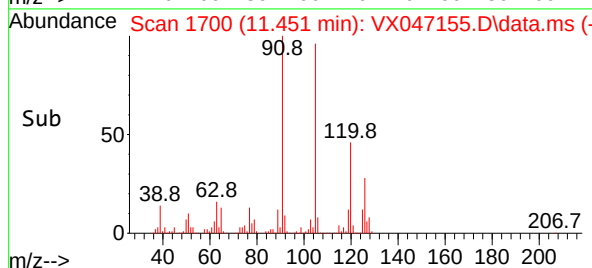
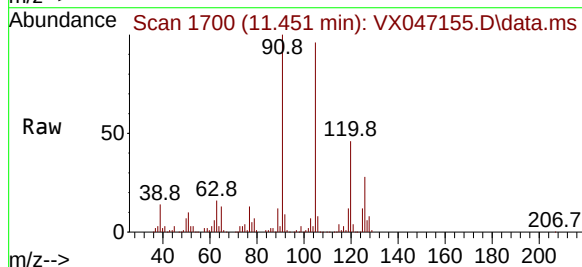
Acq: 28 Jul 2025 10:45

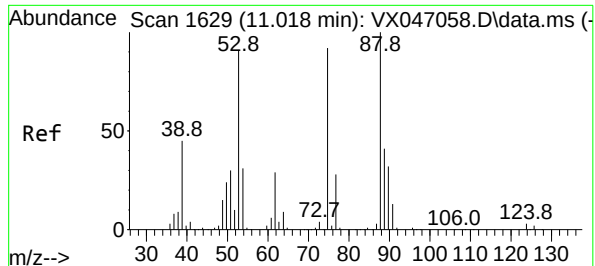
Tgt Ion:105 Resp: 289953

Ion Ratio Lower Upper

105 100

120 47.2 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 13.576 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 75 Resp: 2283

Ion Ratio Lower Upper

75 100

53 105.3 84.2 126.4

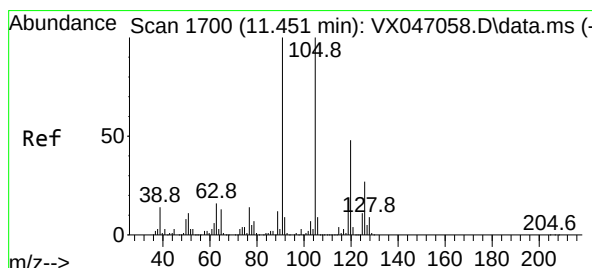
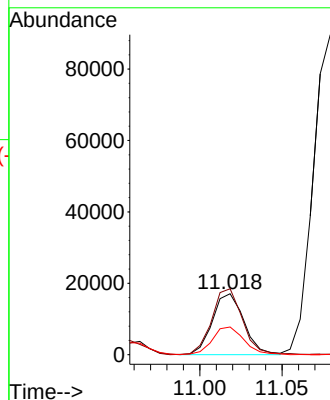
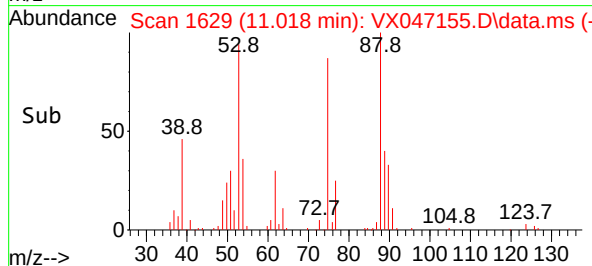
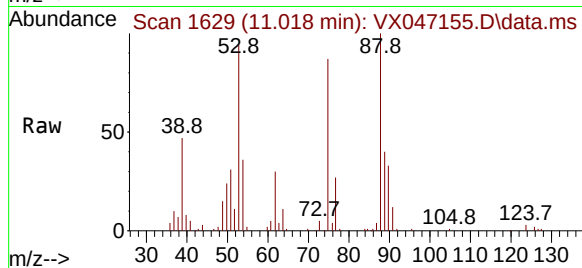
89 45.6 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#82

4-Chlorotoluene

Concen: 18.831 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX047155.D

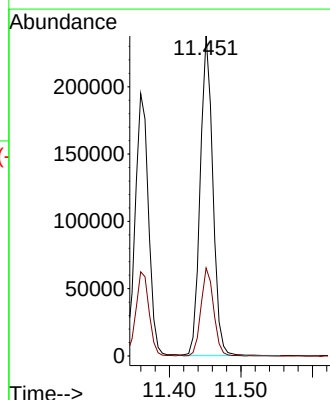
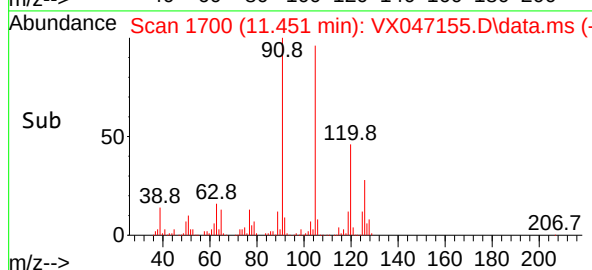
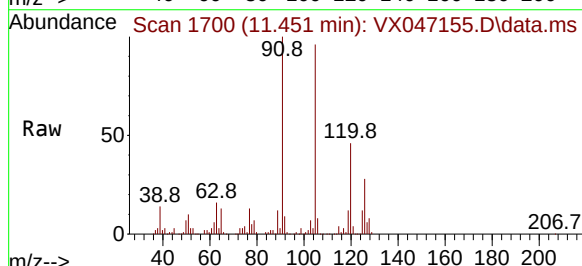
Acq: 28 Jul 2025 10:45

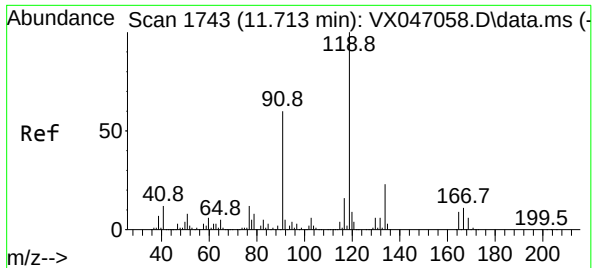
Tgt Ion: 91 Resp: 289976

Ion Ratio Lower Upper

91 100

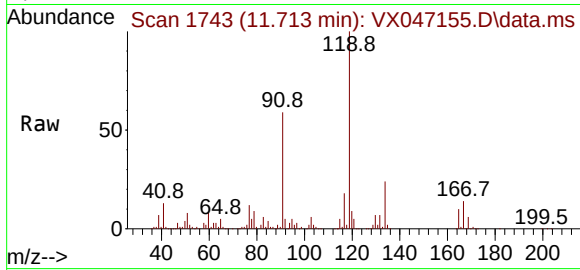
126 27.7 14.1 42.3





#83
tert-Butylbenzene
Concen: 19.176 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

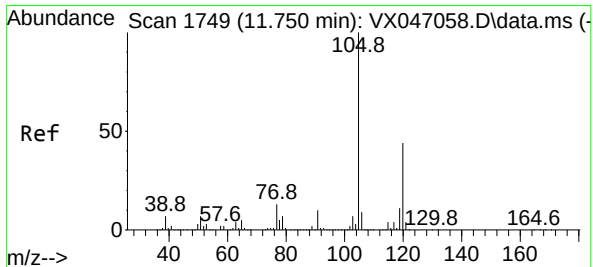
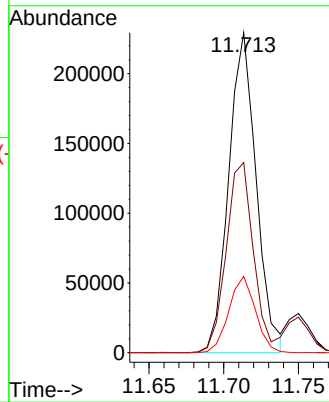
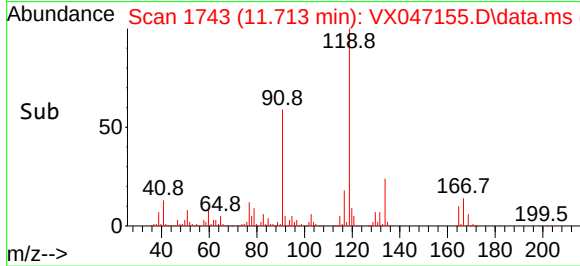
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01



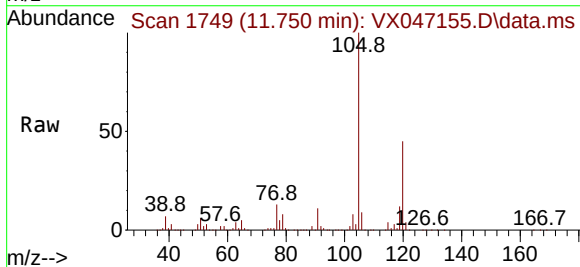
Tgt Ion:119 Resp: 29366
Ion Ratio Lower Upper
119 100
91 58.5 29.6 88.8
134 23.1 11.4 34.1

Manual Integrations
APPROVED

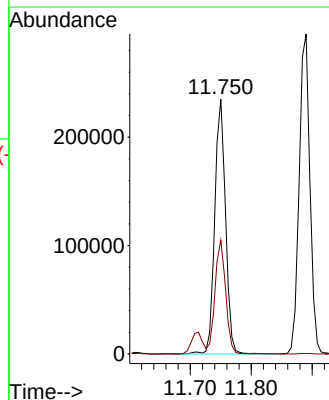
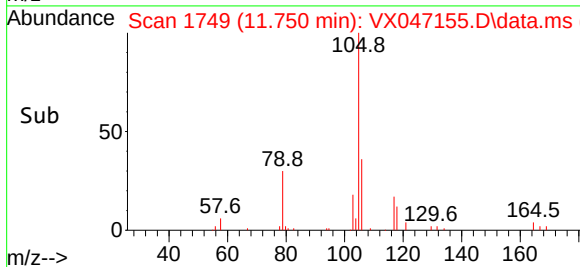
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025

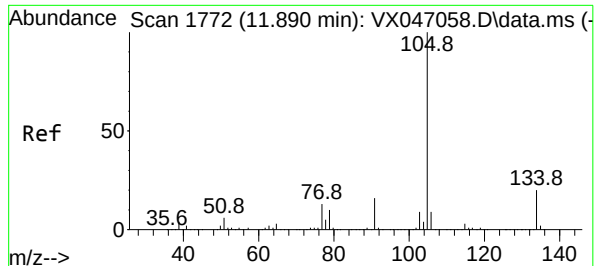


#84
1,2,4-Trimethylbenzene
Concen: 18.958 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45



Tgt Ion:105 Resp: 288523
Ion Ratio Lower Upper
105 100
120 43.9 22.0 66.0





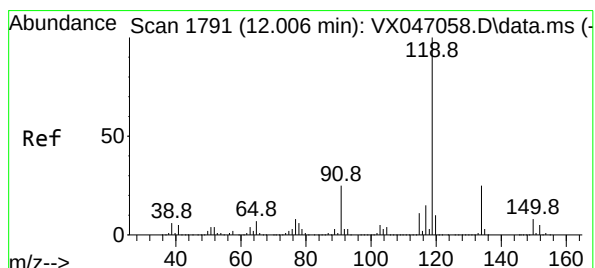
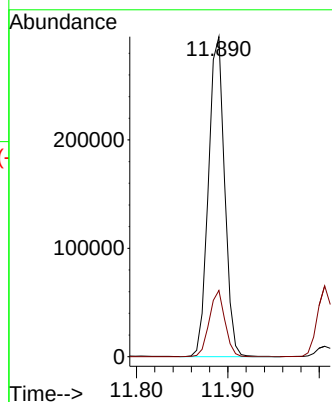
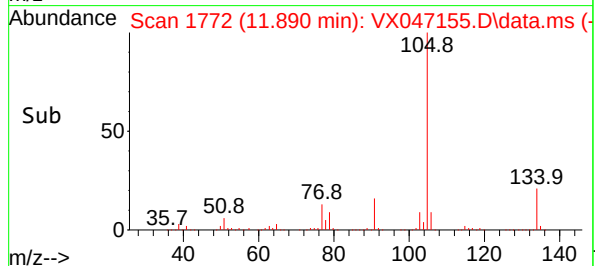
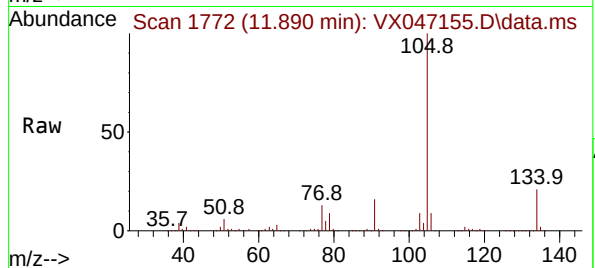
#85
sec-Butylbenzene
Concen: 18.908 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01

Tgt Ion:105 Resp: 36180
Ion Ratio Lower Upper
105 100
134 20.1 9.9 29.7

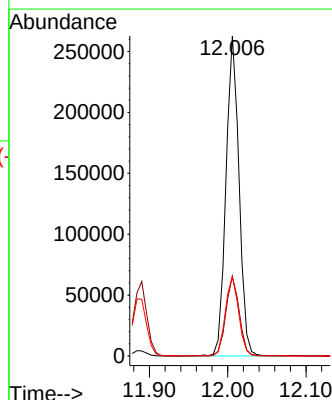
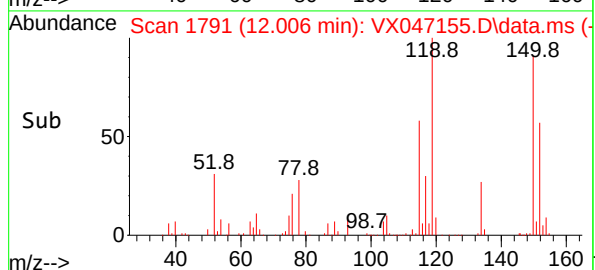
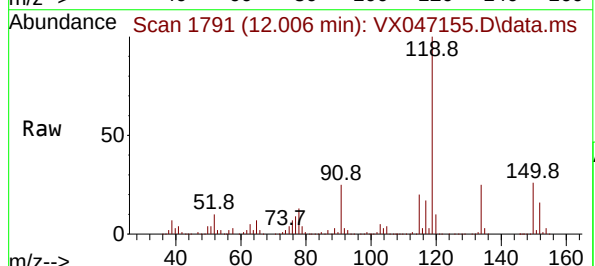
Manual Integrations
APPROVED

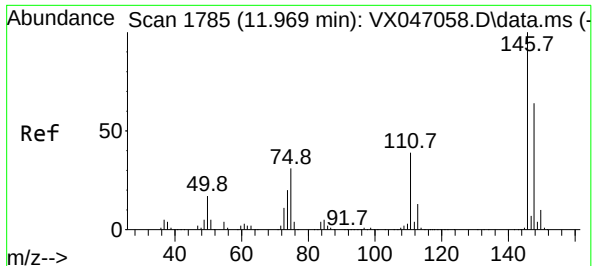
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#86
p-Isopropyltoluene
Concen: 19.217 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

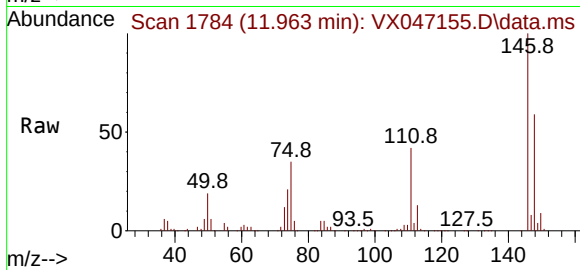
Tgt Ion:119 Resp: 304940
Ion Ratio Lower Upper
119 100
134 25.4 12.8 38.4
91 25.2 12.4 37.4





#87
1,3-Dichlorobenzene
Concen: 18.705 ug/l
RT: 11.963 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

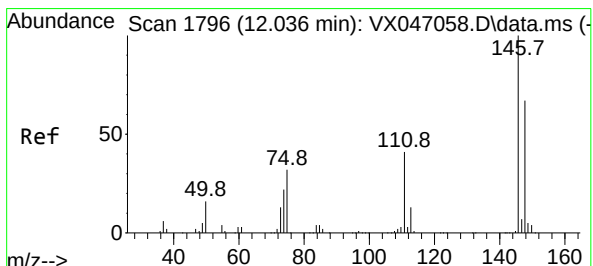
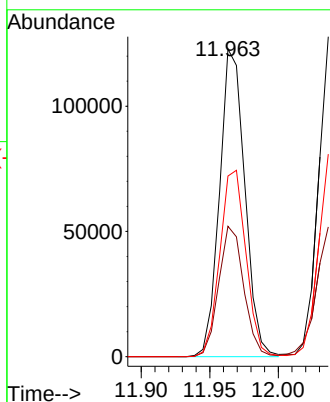
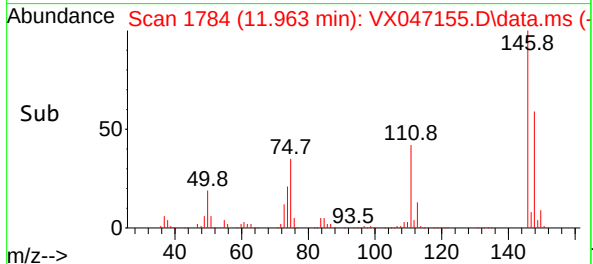
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01



Tgt Ion:146 Resp: 15744
Ion Ratio Lower Upper
146 100
111 42.1 21.0 63.0
148 62.7 32.0 96.0

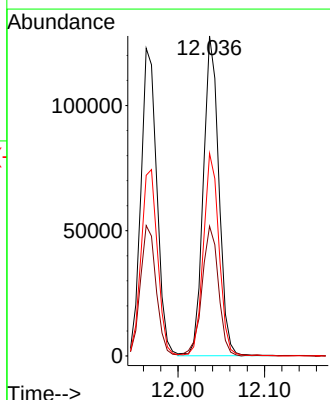
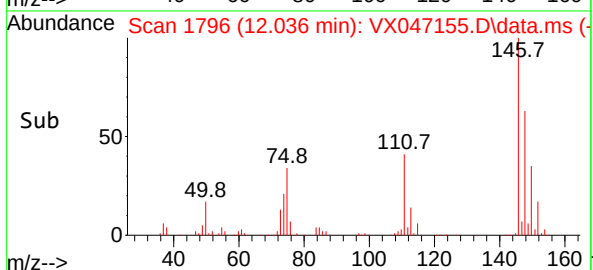
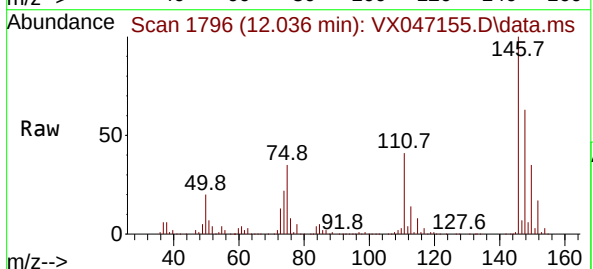
Manual Integrations
APPROVED

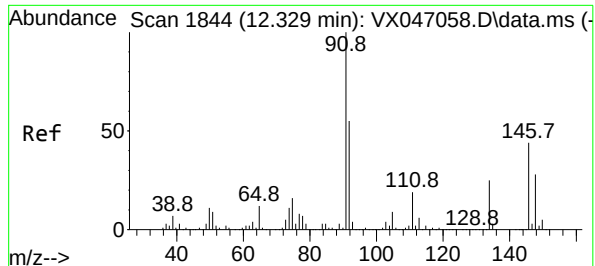
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#88
1,4-Dichlorobenzene
Concen: 18.600 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Tgt Ion:146 Resp: 158610
Ion Ratio Lower Upper
146 100
111 43.0 20.6 61.9
148 63.9 33.0 98.9





#89

n-Butylbenzene

Concen: 19.289 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion: 91 Resp: 287044

Ion Ratio Lower Upper

91 100

92 53.9 27.5 82.5

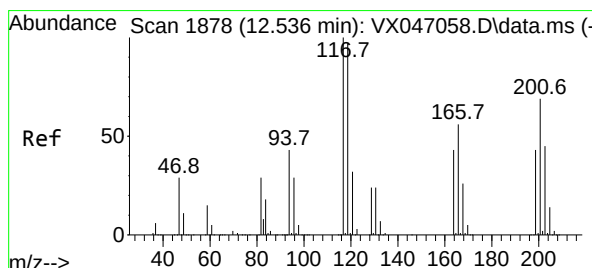
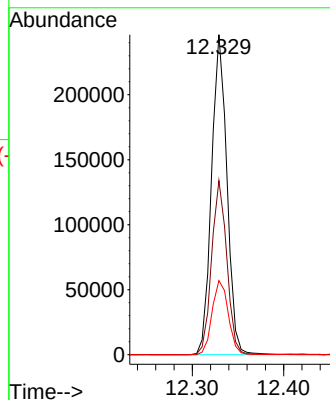
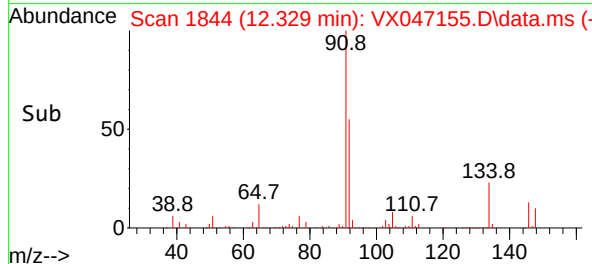
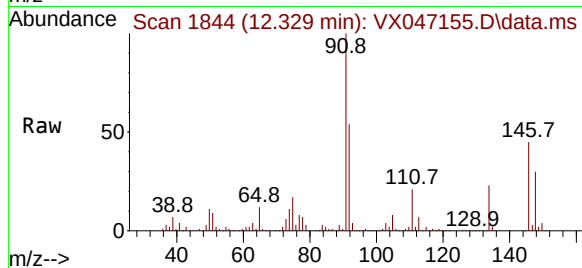
134 24.4 12.8 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#90

Hexachloroethane

Concen: 19.460 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX047155.D

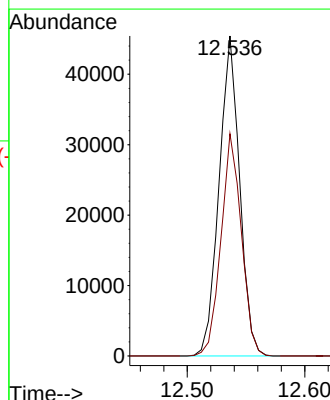
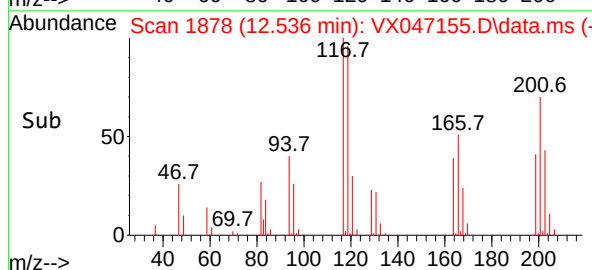
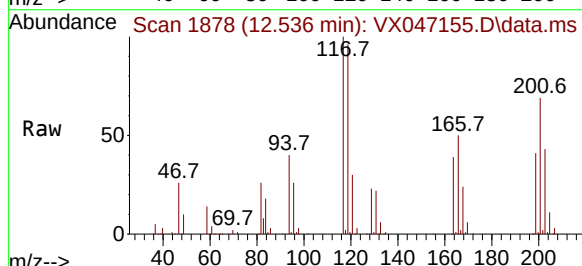
Acq: 28 Jul 2025 10:45

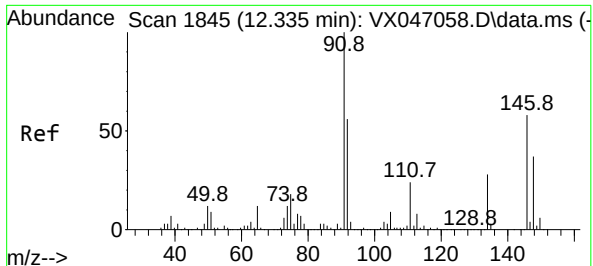
Tgt Ion:117 Resp: 55242

Ion Ratio Lower Upper

117 100

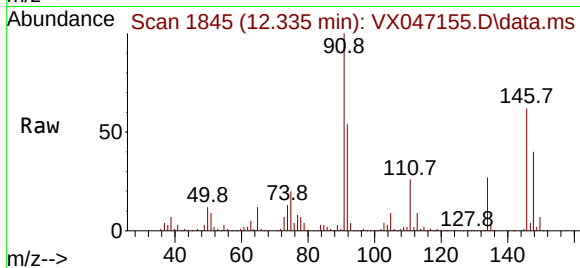
201 68.9 34.8 104.5





#91
1,2-Dichlorobenzene
Concen: 18.492 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

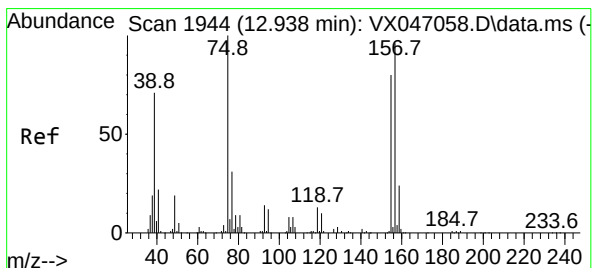
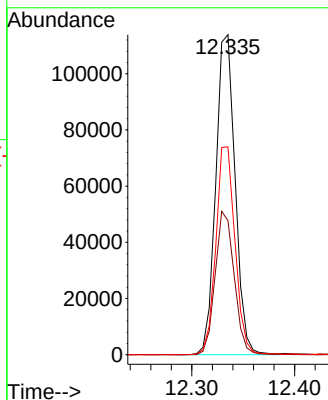
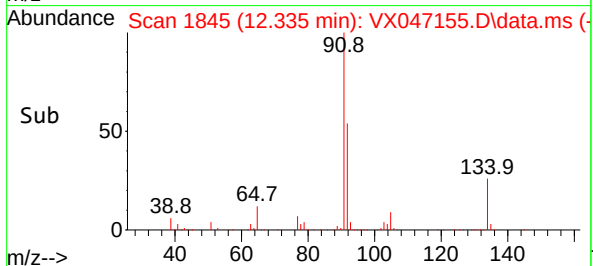
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01



Tgt Ion:146 Resp: 148759
Ion Ratio Lower Upper
146 100
111 44.1 21.6 64.6
148 64.8 31.9 95.7

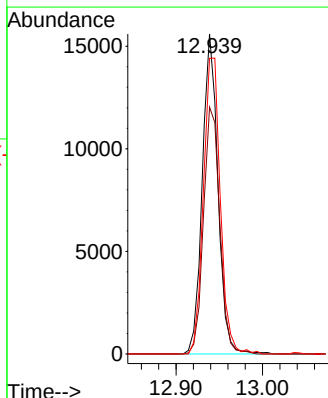
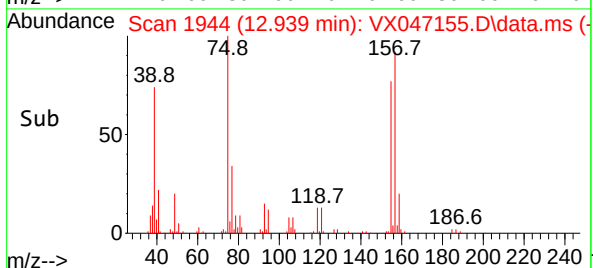
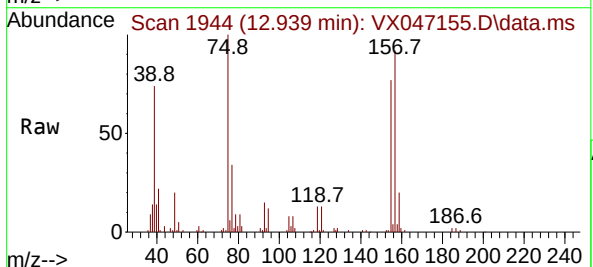
Manual Integrations
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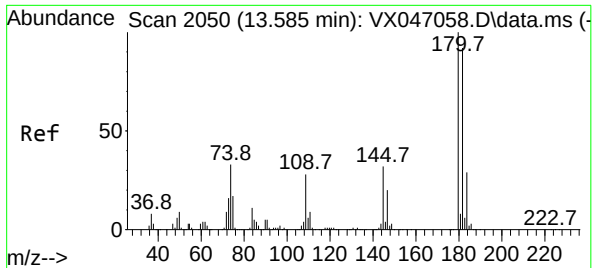
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.328 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

Tgt Ion: 75 Resp: 19573
Ion Ratio Lower Upper
75 100
155 80.1 41.3 124.1
157 100.0 52.8 158.3





#93

1,2,4-Trichlorobenzene

Concen: 18.884 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBS01

Tgt Ion:180 Resp: 100369

Ion Ratio Lower Upper

180 100

182 95.9 47.3 141.8

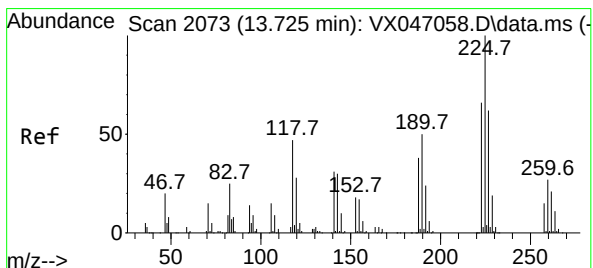
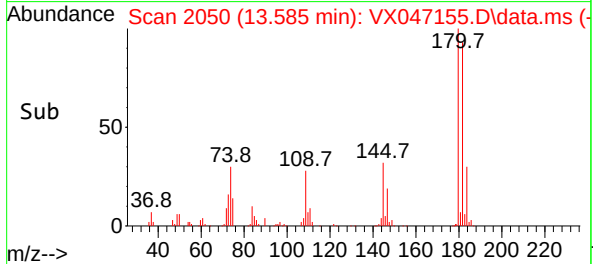
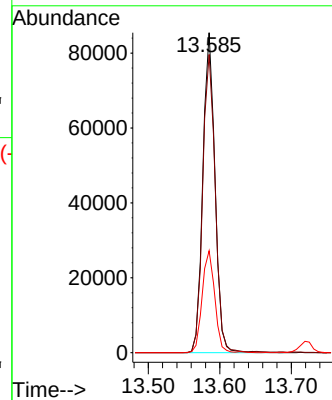
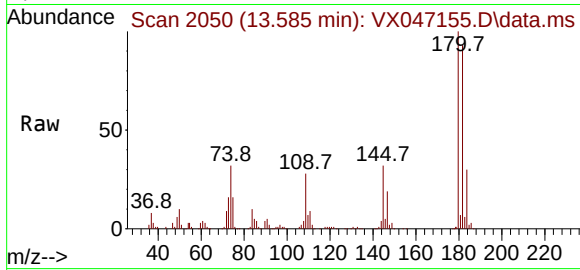
145 33.0 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#94

Hexachlorobutadiene

Concen: 20.416 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX047155.D

Acq: 28 Jul 2025 10:45

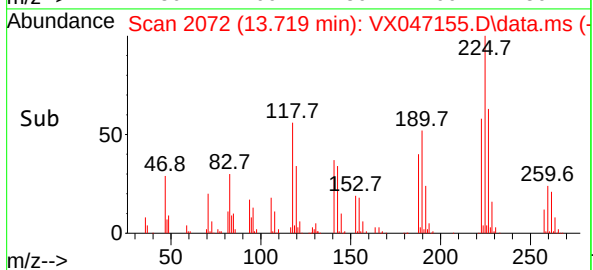
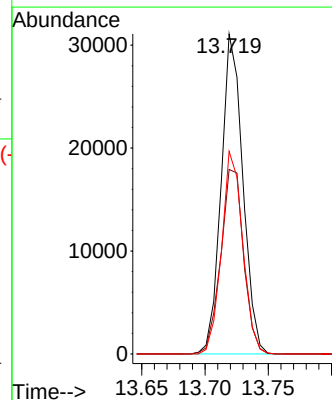
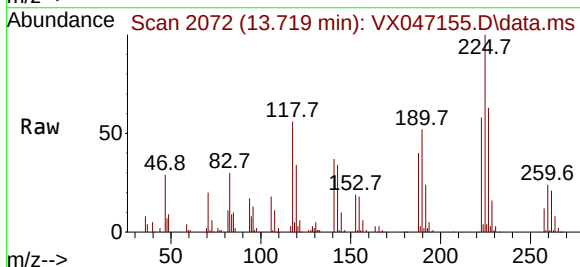
Tgt Ion:225 Resp: 36903

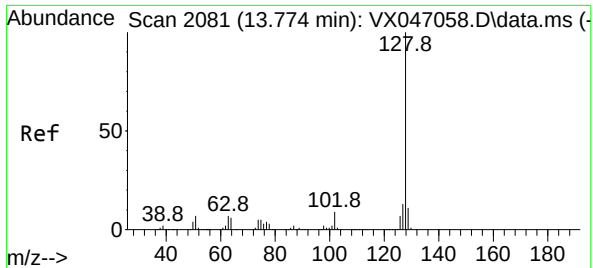
Ion Ratio Lower Upper

225 100

223 61.0 31.6 95.0

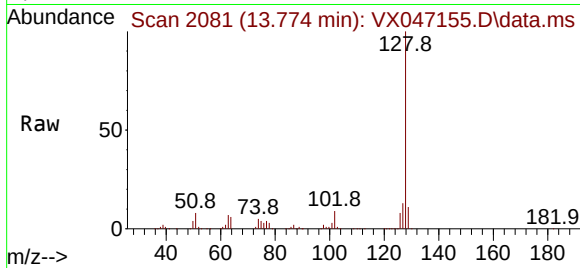
227 61.8 32.9 98.6





#95
Naphthalene
Concen: 19.187 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45

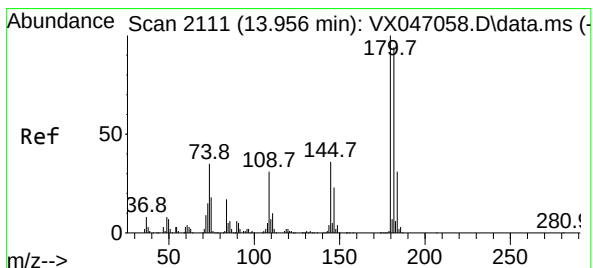
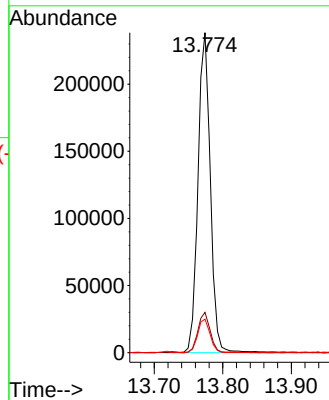
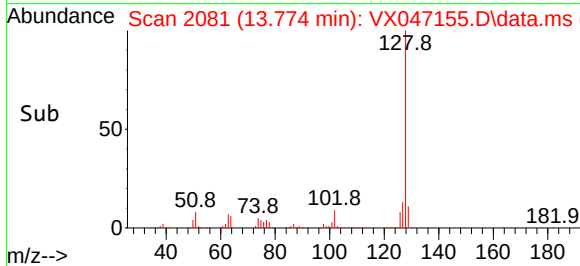
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBS01



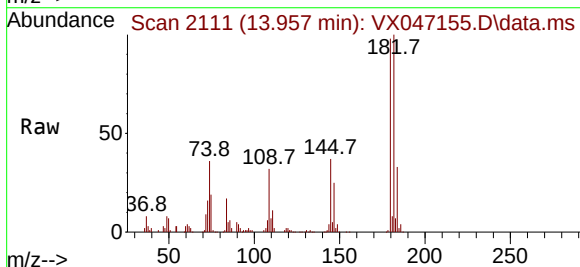
Tgt Ion:128 Resp: 29895
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.6 8.6 13.0

Manual Integrations
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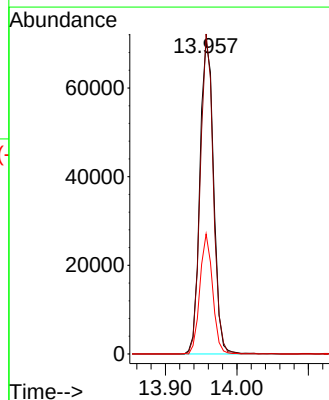
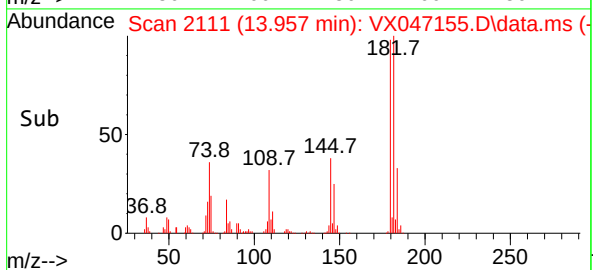
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.414 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047155.D
Acq: 28 Jul 2025 10:45



Tgt Ion:180 Resp: 94287
Ion Ratio Lower Upper
180 100
182 96.4 46.9 140.6
145 35.2 17.3 52.0



Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	NYPA	Date Received:	
Client Sample ID:	VX0728WBSD01	SDG No.:	Q2681
Lab Sample ID:	VX0728WBSD01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047156.D	1	07/28/25 11:11	VX072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.3		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.23	1.00	ug/L
78-93-3	2-Butanone	92.0		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.6		0.25	1.00	ug/L
67-66-3	Chloroform	18.4		0.25	1.00	ug/L
71-43-2	Benzene	18.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.3		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	17.6		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.5		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	45.3		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	297000	5.562			
540-36-3	1,4-Difluorobenzene	500000	6.763			
3114-55-4	Chlorobenzene-d5	453000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	223000	12.018			

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_X\Data\VX072825\
 Data File : VX047156.D
 Acq On : 28 Jul 2025 11:11
 Operator : JC/MD
 Sample : VX0728WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/29/2025
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:13:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	296687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	500012	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	452886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	223131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	175682	47.536	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.080%		
35) Dibromofluoromethane	5.391	113	148339	48.049	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.100%		
50) Toluene-d8	8.647	98	452427	45.252	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.500%#		
62) 4-Bromofluorobenzene	11.079	95	209410	48.603	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	72888	18.496	ug/l	99
3) Chloromethane	1.313	50	61940	15.890	ug/l	95
4) Vinyl Chloride	1.392	62	76806	18.329	ug/l	100
5) Bromomethane	1.630	94	41717	18.327	ug/l	94
6) Chloroethane	1.709	64	46488	16.892	ug/l	100
7) Trichlorofluoromethane	1.910	101	112295	17.972	ug/l	99
8) Diethyl Ether	2.148	74	41227	18.713	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	68537	18.206	ug/l	99
10) Methyl Iodide	2.471	142	98801	25.752	ug/l	99
11) Tert butyl alcohol	2.953	59	39096	83.648	ug/l	99
12) 1,1-Dichloroethene	2.337	96	66587	17.859	ug/l	97
13) Acrolein	2.245	56	68772	86.422	ug/l	98
14) Allyl chloride	2.678	41	114703	17.019	ug/l	93
15) Acrylonitrile	3.081	53	166953	94.719	ug/l	100
16) Acetone	2.386	43	137916	93.153	ug/l	95
17) Carbon Disulfide	2.526	76	186148	17.258	ug/l	99
18) Methyl Acetate	2.709	43	81309	20.666	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	222220	19.583	ug/l	99
20) Methylene Chloride	2.800	84	74799	18.364	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	69035	18.094	ug/l	97
22) Diisopropyl ether	3.770	45	254694	19.655	ug/l	93
23) Vinyl Acetate	3.733	43	1015540	97.713	ug/l	99
24) 1,1-Dichloroethane	3.623	63	133966	18.592	ug/l	99
25) 2-Butanone	4.562	43	198284	91.977	ug/l	95
26) 2,2-Dichloropropane	4.489	77	104393	18.716	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	83823	18.553	ug/l	99
28) Bromochloromethane	4.904	49	75119	22.660	ug/l	99
29) Tetrahydrofuran	5.019	42	128344	92.271	ug/l	99
30) Chloroform	5.105	83	134714	18.366	ug/l	99
31) Cyclohexane	5.477	56	128106	18.542	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	118551	18.608	ug/l	99
36) 1,1-Dichloropropene	5.702	75	92937	17.660	ug/l	100
37) Ethyl Acetate	4.721	43	96160	19.830	ug/l	97
38) Carbon Tetrachloride	5.684	117	104598	18.623	ug/l	99
39) Methylcyclohexane	7.385	83	120883	18.398	ug/l	97
40) Benzene	6.044	78	283209	18.596	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047156.D
 Acq On : 28 Jul 2025 11:11
 Operator : JC/MD
 Sample : VX0728WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/29/2025
 Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:13:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	46407	18.303	ug/l #	91
42) 1,2-Dichloroethane	6.092	62	103378	19.270	ug/l	99
43) Isopropyl Acetate	6.342	43	149936	19.834	ug/l	100
44) Trichloroethene	7.129	130	71346	18.269	ug/l	99
45) 1,2-Dichloropropane	7.434	63	72137	18.912	ug/l	92
46) Dibromomethane	7.586	93	51814	19.371	ug/l	99
47) Bromodichloromethane	7.824	83	110712	19.446	ug/l	99
48) Methyl methacrylate	7.696	41	77478	18.813	ug/l	100
49) 1,4-Dioxane	7.720	88	18872	402.907	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	438417	97.570	ug/l	98
52) Toluene	8.720	92	179571	19.176	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	104193	19.380	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	113664	19.316	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	69343	19.745	ug/l	97
56) Ethyl methacrylate	9.116	69	104067	20.017	ug/l	100
57) 1,3-Dichloropropane	9.311	76	117508	19.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	249437	86.218	ug/l	99
59) 2-Hexanone	9.427	43	300229	101.132	ug/l	100
60) Dibromochloromethane	9.519	129	83108	20.178	ug/l	99
61) 1,2-Dibromoethane	9.610	107	70359	19.160	ug/l	99
64) Tetrachloroethene	9.275	164	57377	17.574	ug/l	94
65) Chlorobenzene	10.079	112	197257	18.592	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	68140	19.076	ug/l	98
67) Ethyl Benzene	10.189	91	345780	18.640	ug/l	98
68) m/p-Xylenes	10.299	106	260560	37.534	ug/l	99
69) o-Xylene	10.640	106	126089	19.093	ug/l	100
70) Styrene	10.652	104	214649	18.955	ug/l	99
71) Bromoform	10.799	173	53971	19.891	ug/l #	100
73) Isopropylbenzene	10.957	105	333037	18.919	ug/l	100
74) N-amyl acetate	10.841	43	131941	18.576	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	97190	19.328	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	78631m	19.039	ug/l	
77) Bromobenzene	11.195	156	79168	18.750	ug/l	99
78) n-propylbenzene	11.299	91	396034	18.826	ug/l	99
79) 2-Chlorotoluene	11.360	91	231316	18.395	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	276459	19.009	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	21183	13.214	ug/l	95
82) 4-Chlorotoluene	11.451	91	278273	18.959	ug/l	100
83) tert-Butylbenzene	11.713	119	280382	19.208	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	278783	19.219	ug/l	99
85) sec-Butylbenzene	11.890	105	349178	19.145	ug/l	99
86) p-Isopropyltoluene	12.006	119	290764	19.225	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	151487	18.882	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	151486	18.637	ug/l	98
89) n-Butylbenzene	12.329	91	274703	19.367	ug/l	99
90) Hexachloroethane	12.536	117	52669	19.466	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	142943	18.642	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19656	20.364	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	97227	19.192	ug/l	100
94) Hexachlorobutadiene	13.719	225	36745	21.327	ug/l	98
95) Naphthalene	13.774	128	293199	19.742	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	92962	19.047	ug/l	100

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Data File : VX047156.D
Acq On : 28 Jul 2025 11:11
Operator : JC/MD
Sample : VX0728WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:13:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

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

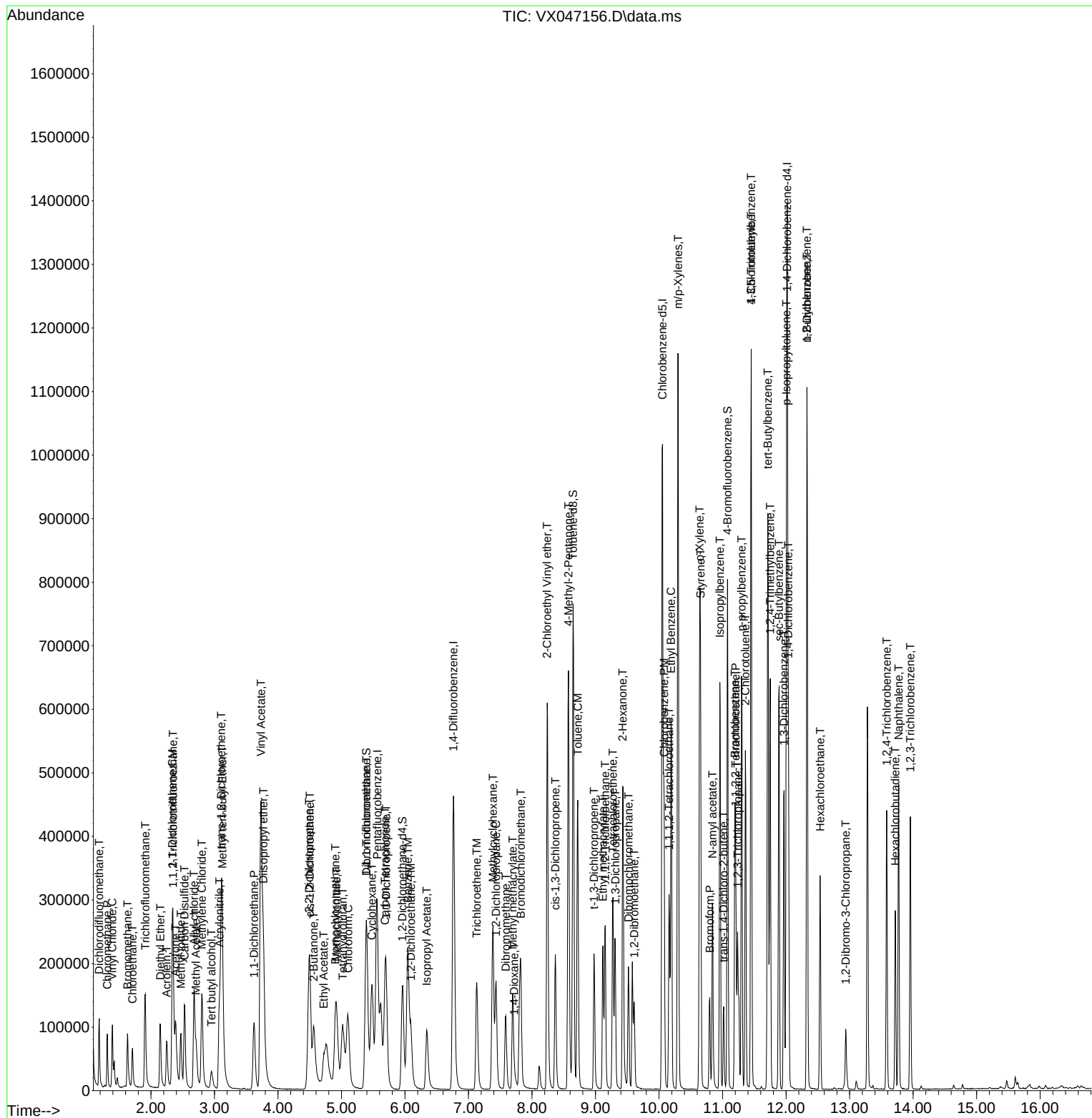
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Operator : JC/MD
Sample : VX0728WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

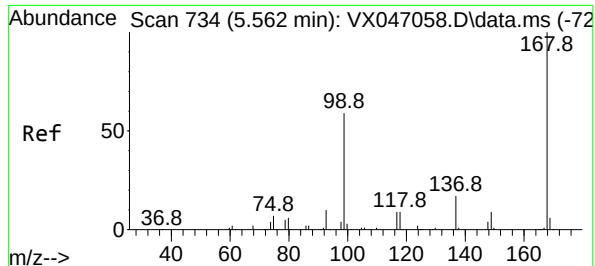
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:13:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration





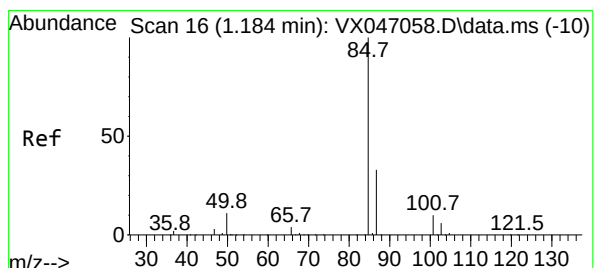
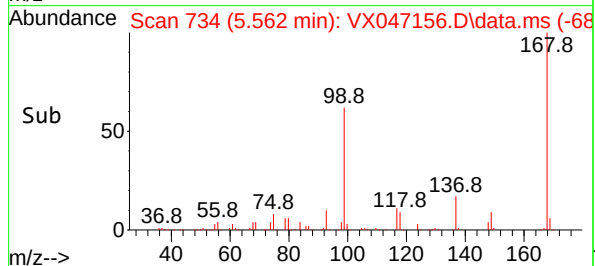
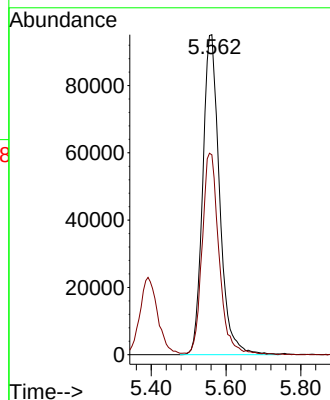
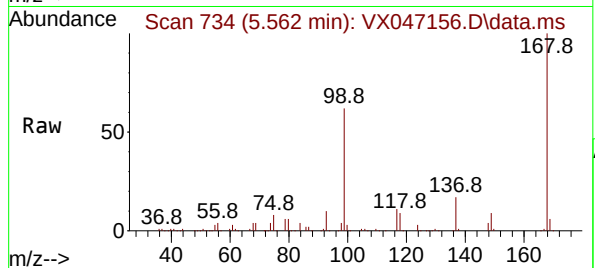
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01

Tgt Ion:168 Resp: 29668
Ion Ratio Lower Upper
168 100
99 62.3 48.0 72.0

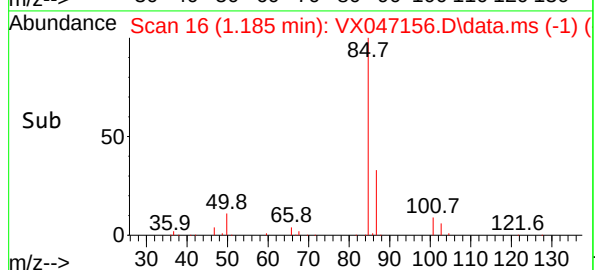
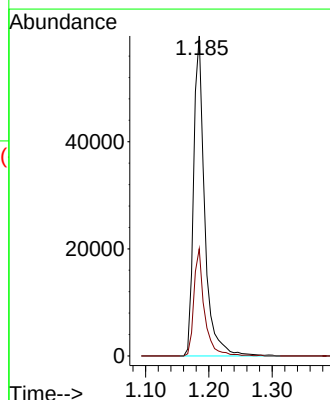
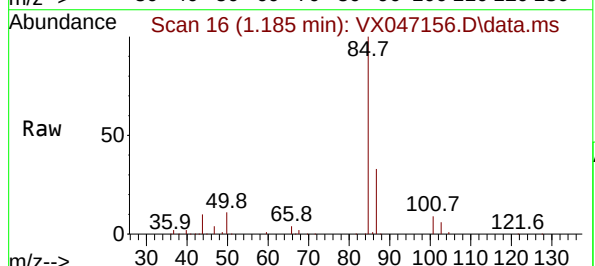
Manual Integrations
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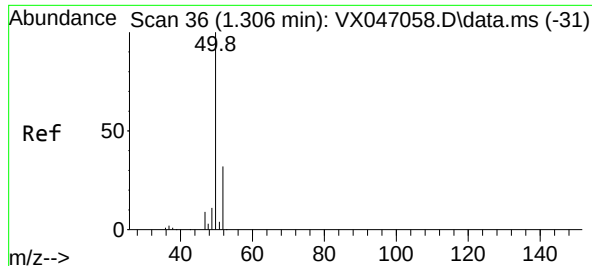
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#2
Dichlorodifluoromethane
Concen: 18.496 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion: 85 Resp: 72888
Ion Ratio Lower Upper
85 100
87 33.5 16.6 49.8





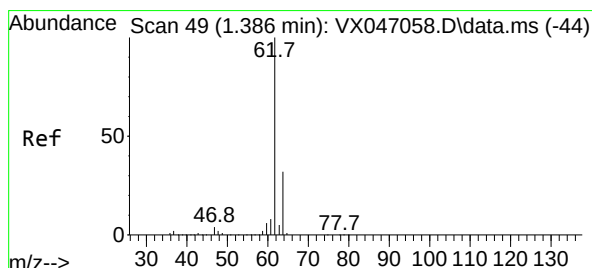
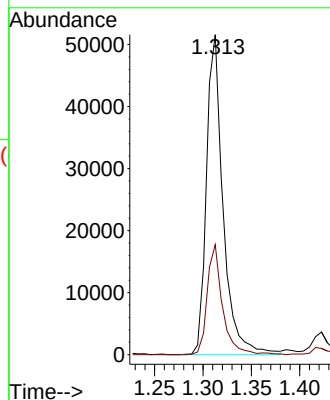
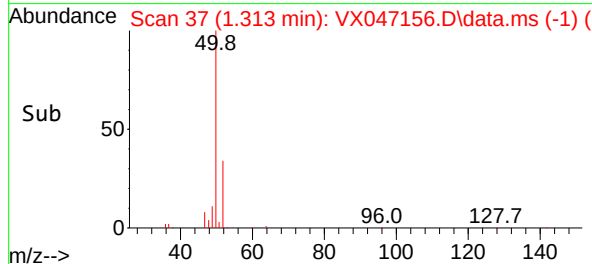
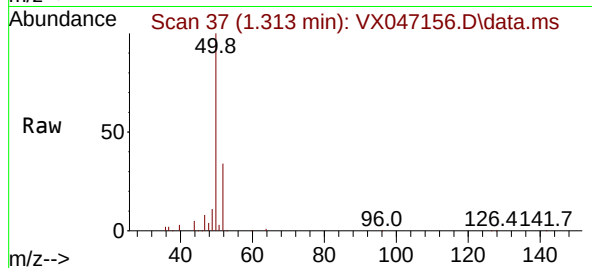
#3
Chloromethane
Concen: 15.890 ug/l
RT: 1.313 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01

Tgt Ion: 50 Resp: 61940
Ion Ratio Lower Upper
50 100
52 34.4 25.4 38.2

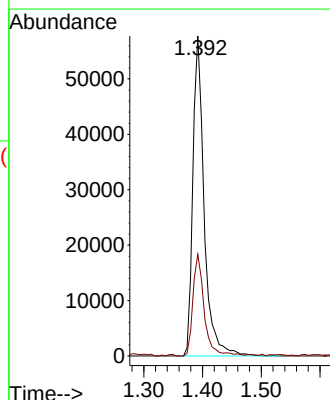
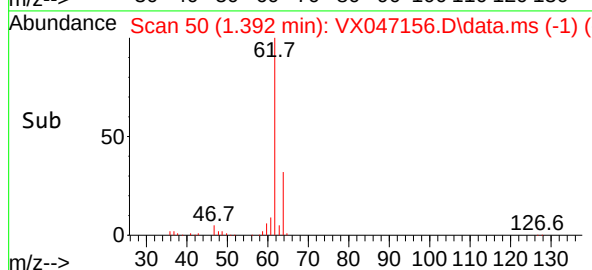
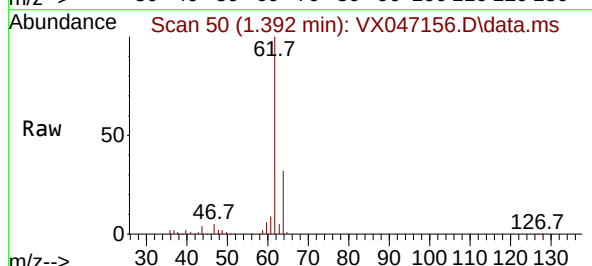
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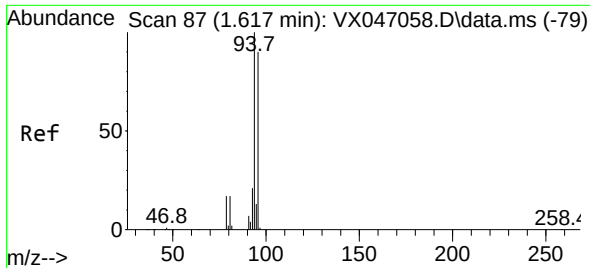
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#4
Vinyl Chloride
Concen: 18.329 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

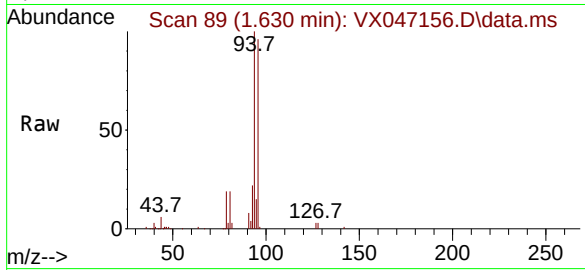
Tgt Ion: 62 Resp: 76806
Ion Ratio Lower Upper
62 100
64 31.7 25.2 37.8





#5
Bromomethane
Concen: 18.327 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.013 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

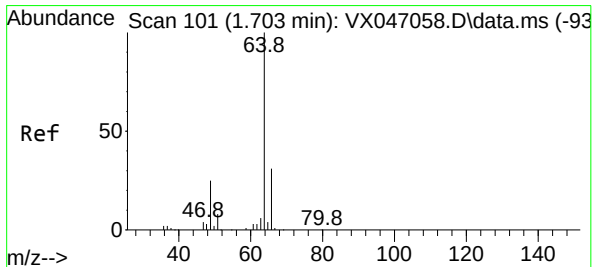
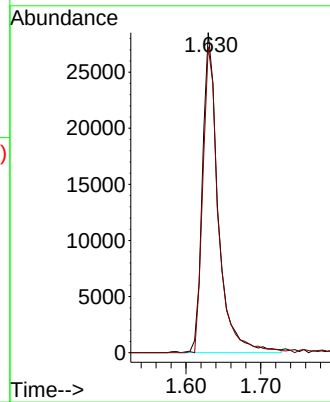
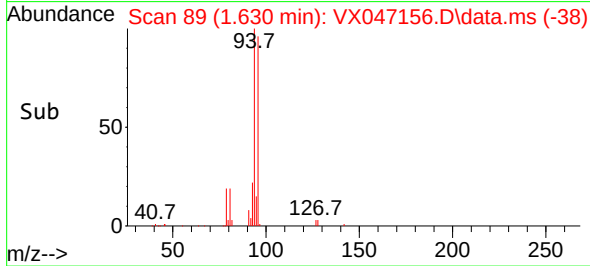
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion: 94 Resp: 4171
Ion Ratio Lower Upper
94 100
96 96.5 72.3 108.5

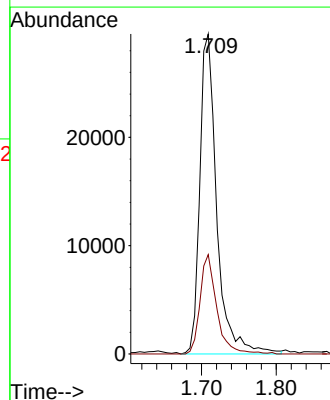
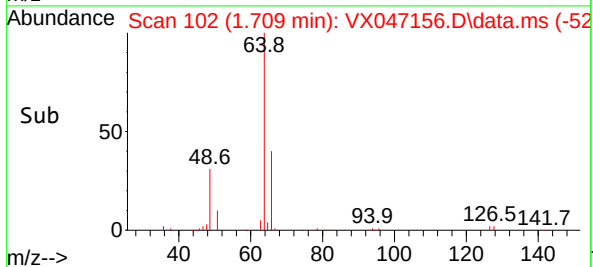
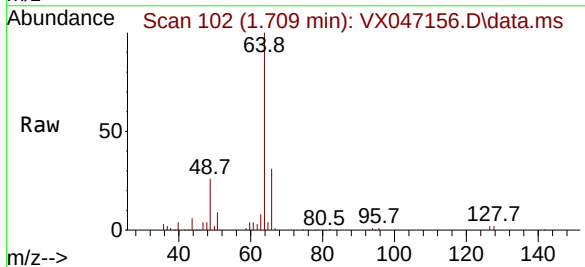
Manual Integrations
APPROVED

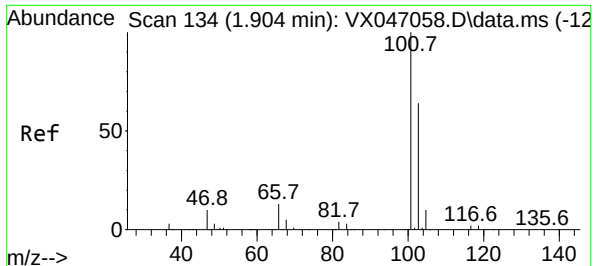
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#6
Chloroethane
Concen: 16.892 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

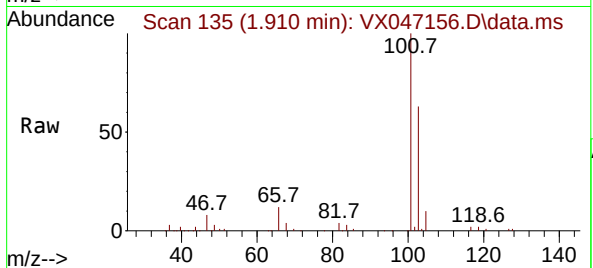
Tgt Ion: 64 Resp: 46488
Ion Ratio Lower Upper
64 100
66 31.1 25.0 37.6





#7
Trichlorofluoromethane
Concen: 17.972 ug/l
RT: 1.910 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

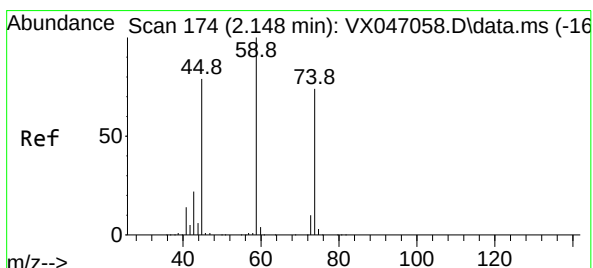
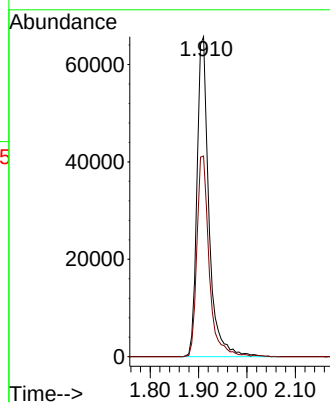
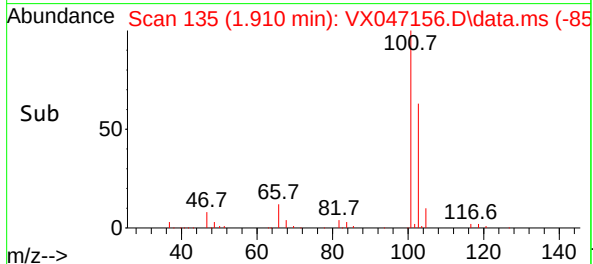
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion:101 Resp: 11229
Ion Ratio Lower Upper
101 100
103 62.7 50.9 76.3

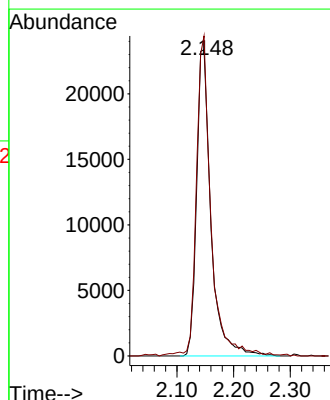
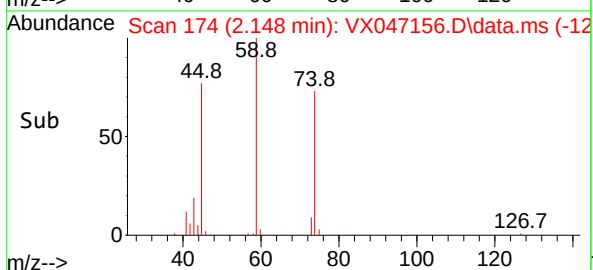
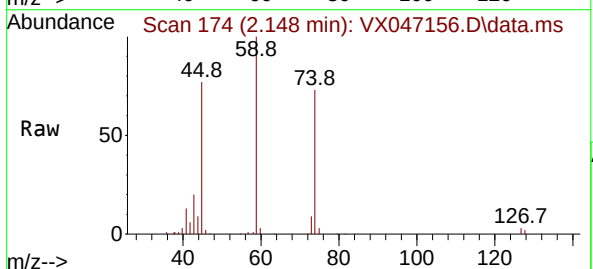
Manual Integrations
APPROVED

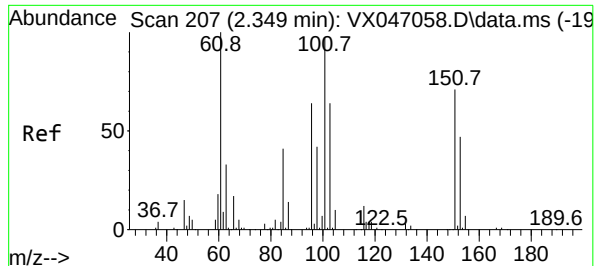
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#8
Diethyl Ether
Concen: 18.713 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

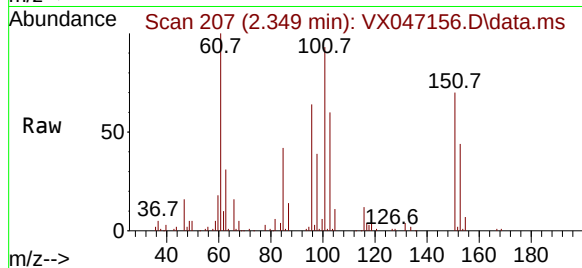
Tgt Ion: 74 Resp: 41227
Ion Ratio Lower Upper
74 100
45 104.9 53.0 159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.206 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

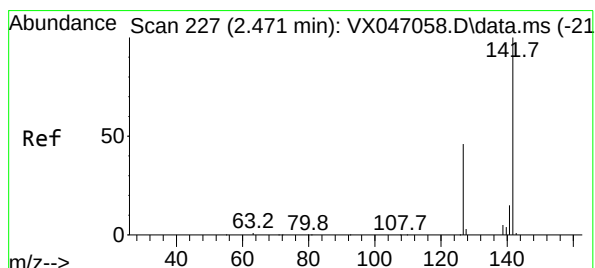
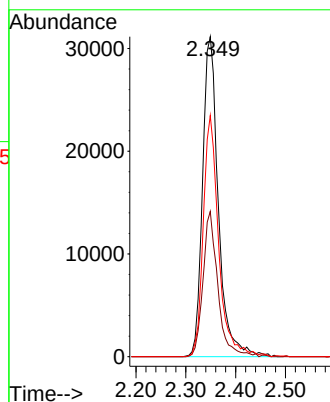
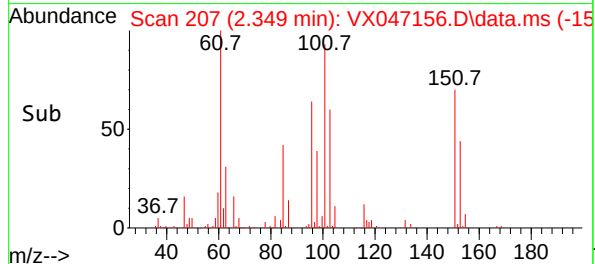
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion:101 Resp: 6853
Ion Ratio Lower Upper
101 100
85 42.7 35.4 53.0
151 73.6 59.2 88.8

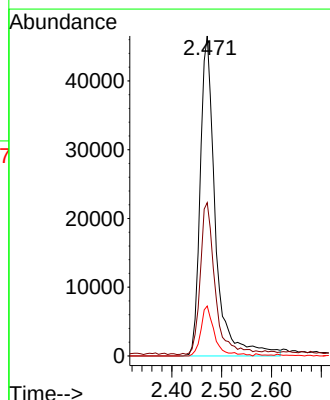
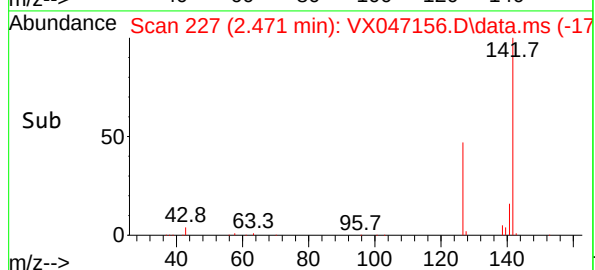
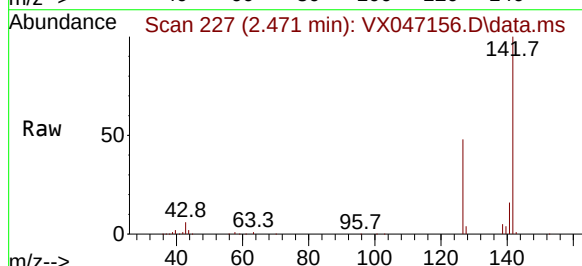
Manual Integrations
APPROVED

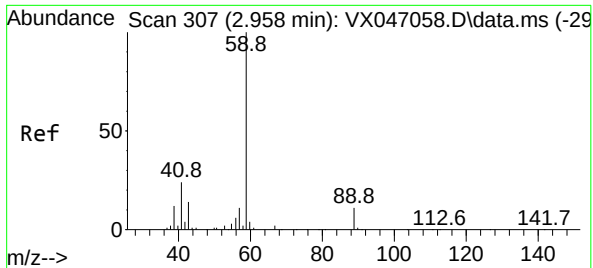
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#10
Methyl Iodide
Concen: 25.752 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion:142 Resp: 98801
Ion Ratio Lower Upper
142 100
127 46.5 36.6 54.8
141 14.0 10.9 16.3





#11

Tert butyl alcohol

Concen: 83.648 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.005 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 59 Resp: 39090

Ion Ratio Lower Upper

59 100

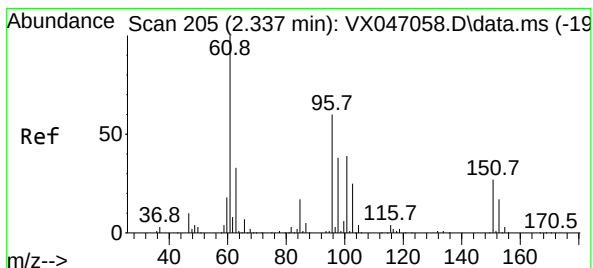
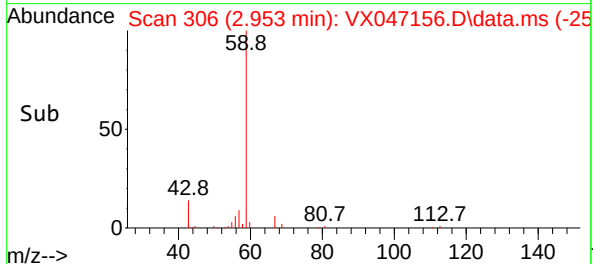
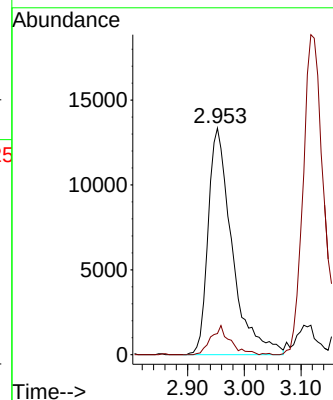
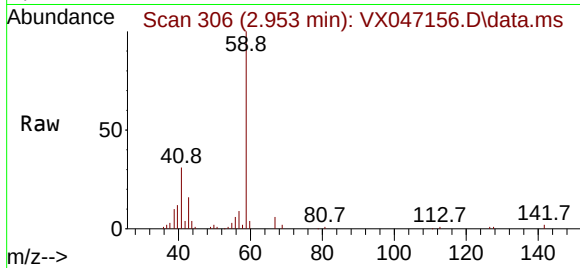
57 10.2 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#12

1,1-Dichloroethene

Concen: 17.859 ug/l

RT: 2.337 min Scan# 205

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

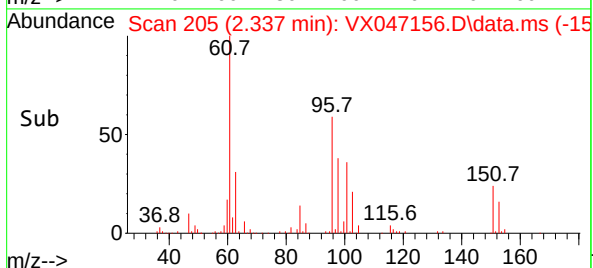
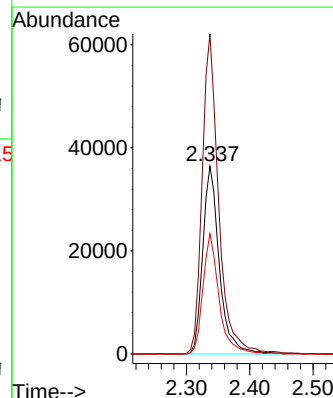
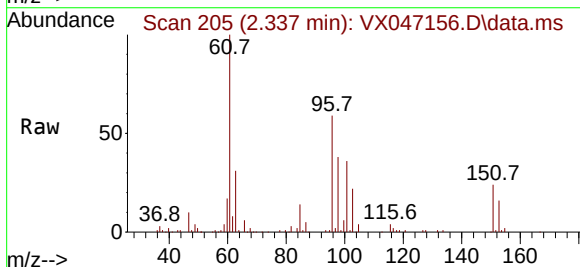
Tgt Ion: 96 Resp: 66587

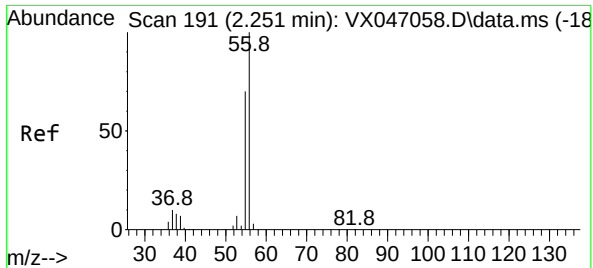
Ion Ratio Lower Upper

96 100

61 170.5 132.6 198.8

98 64.1 50.2 75.4





#13

Acrolein

Concen: 86.422 ug/l

RT: 2.245 min Scan# 191

Delta R.T. -0.006 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 56 Resp: 68772

Ion Ratio Lower Upper

56 100

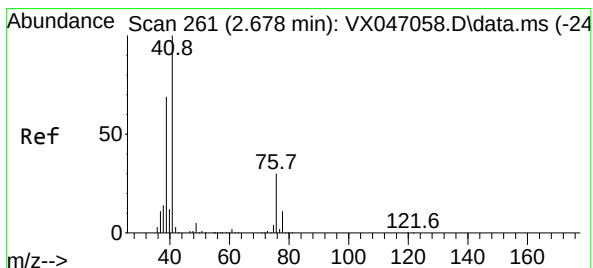
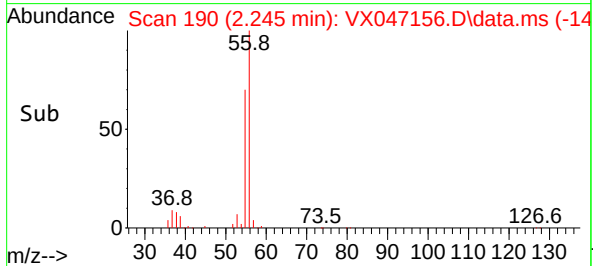
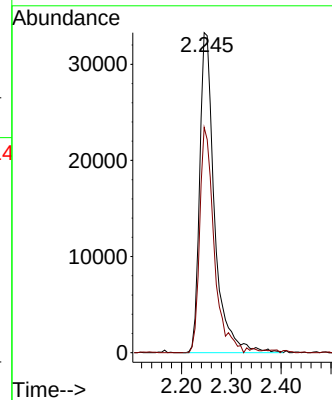
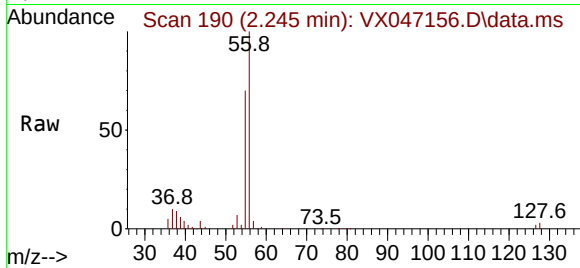
55 68.3 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#14

Allyl chloride

Concen: 17.019 ug/l

RT: 2.678 min Scan# 261

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

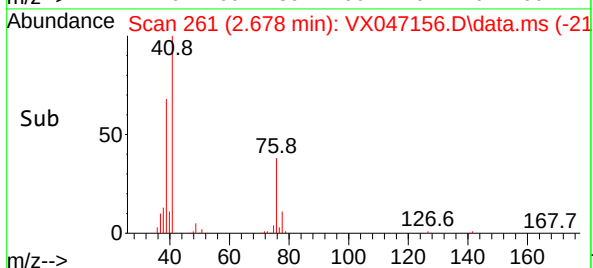
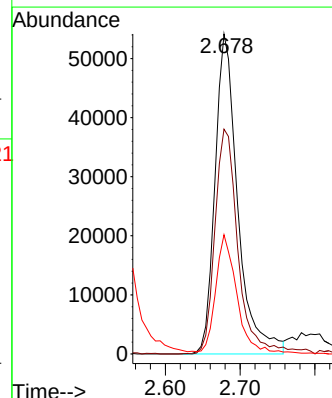
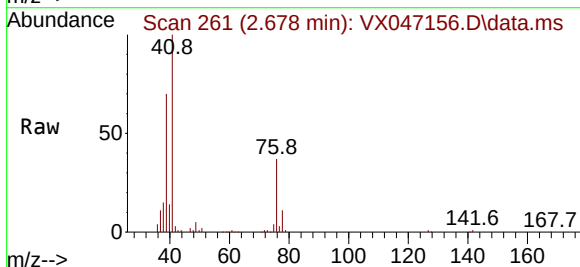
Tgt Ion: 41 Resp: 114703

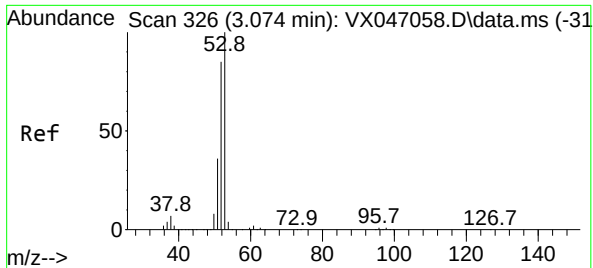
Ion Ratio Lower Upper

41 100

39 71.9 52.6 78.8

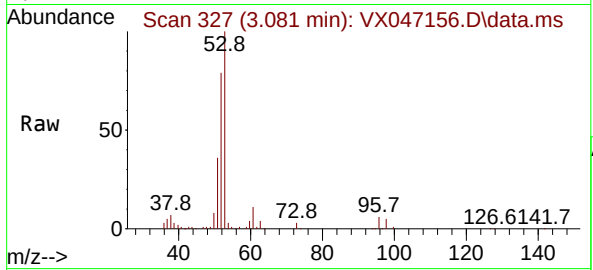
76 34.3 25.7 38.5





#15
Acrylonitrile
Concen: 94.719 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

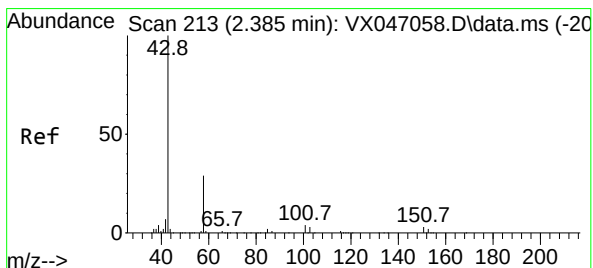
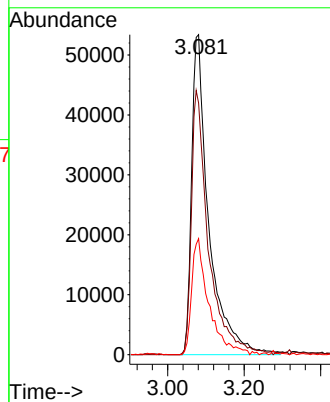
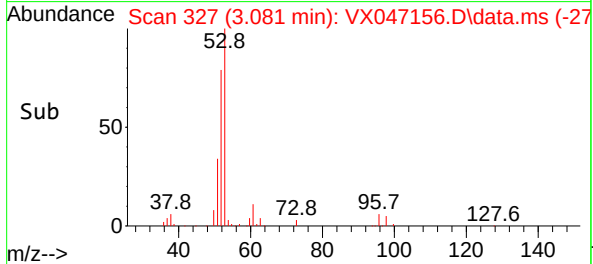
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion: 53 Resp: 16695
Ion Ratio Lower Upper
53 100
52 81.7 65.7 98.5
51 36.2 28.8 43.2

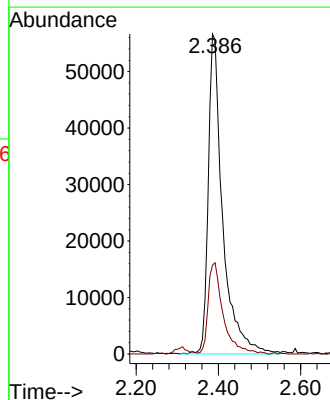
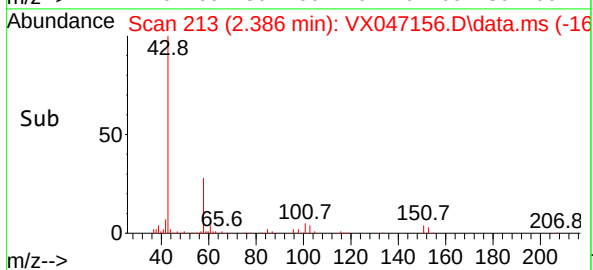
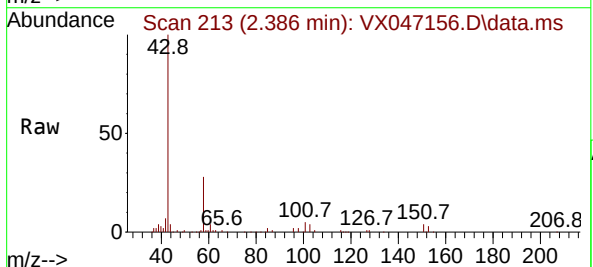
Manual Integrations
APPROVED

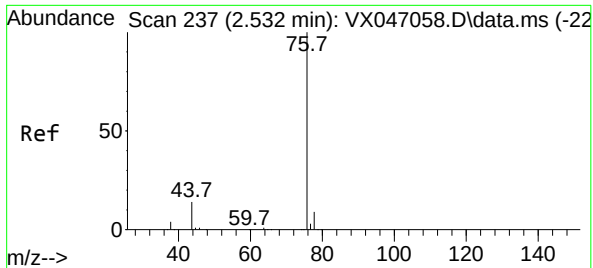
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#16
Acetone
Concen: 93.153 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion: 43 Resp: 137916
Ion Ratio Lower Upper
43 100
58 27.5 24.0 36.0





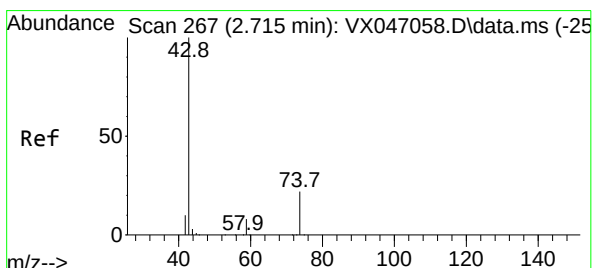
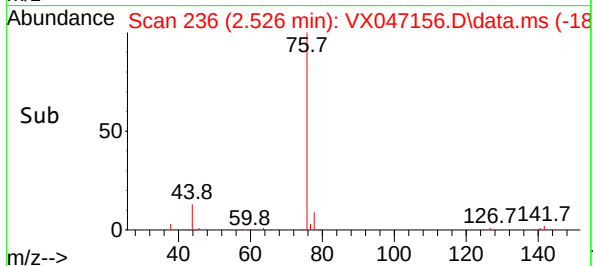
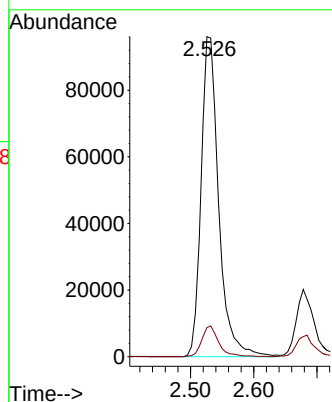
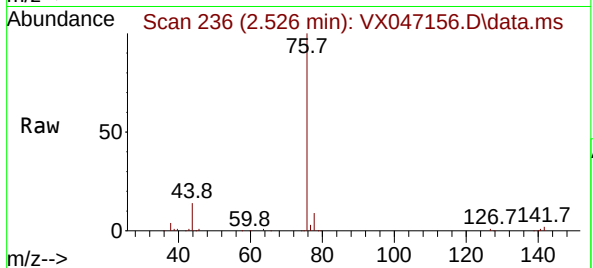
#17
Carbon Disulfide
Concen: 17.258 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01

Tgt Ion: 76 Resp: 18614
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4

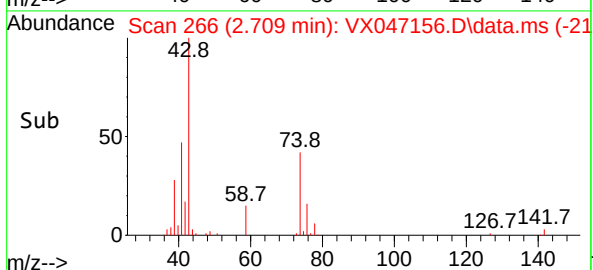
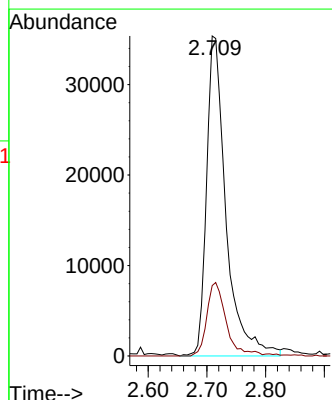
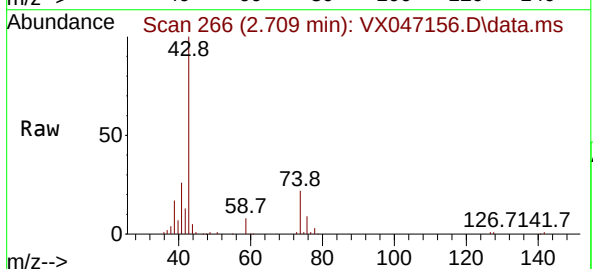
Manual Integrations
APPROVED

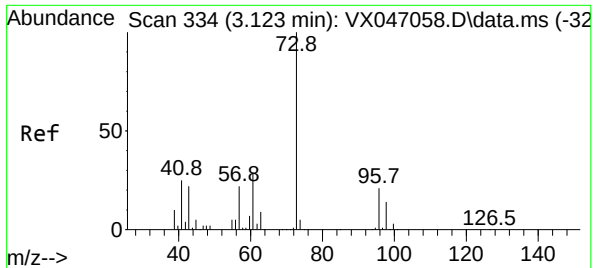
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#18
Methyl Acetate
Concen: 20.666 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion: 43 Resp: 81309
Ion Ratio Lower Upper
43 100
74 22.8 17.7 26.5





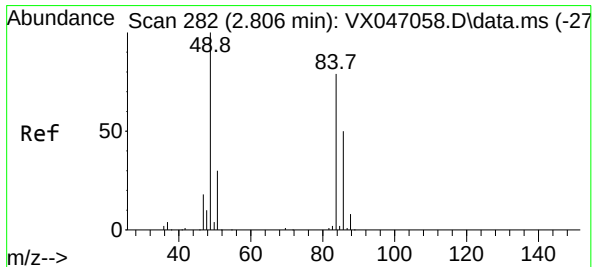
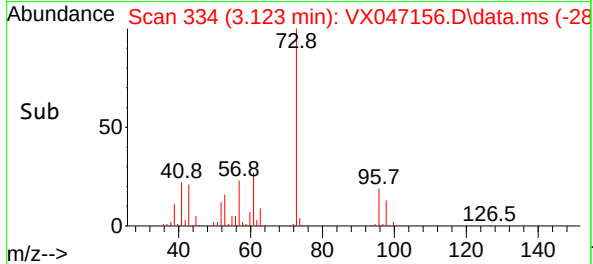
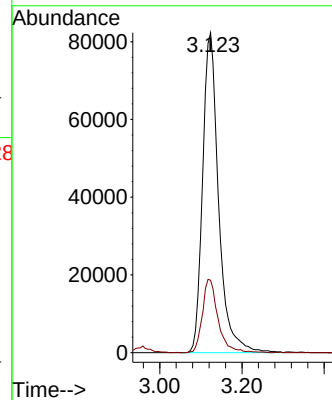
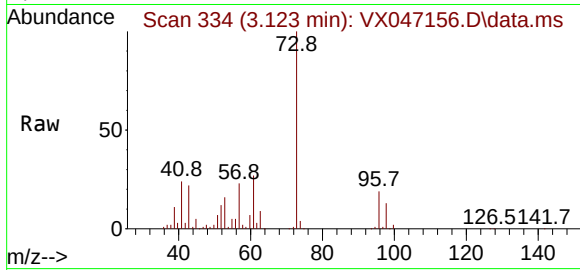
#19
Methyl tert-butyl Ether
Concen: 19.583 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01

Tgt Ion: 73 Resp: 222220
Ion Ratio Lower Upper
73 100
57 22.7 17.7 26.5

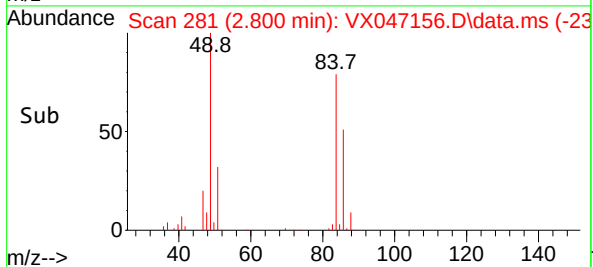
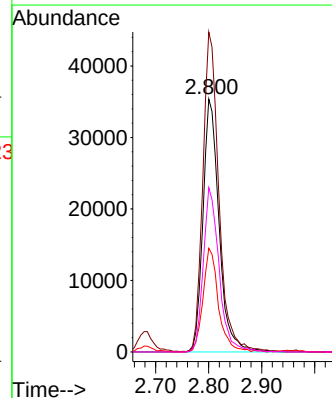
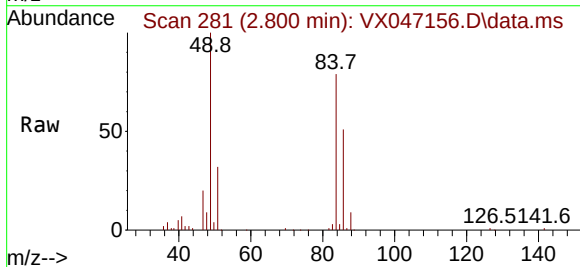
Manual Integrations
APPROVED

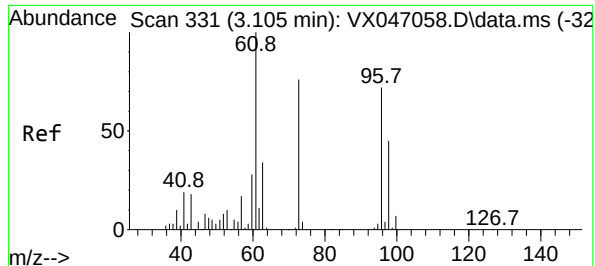
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#20
Methylene Chloride
Concen: 18.364 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

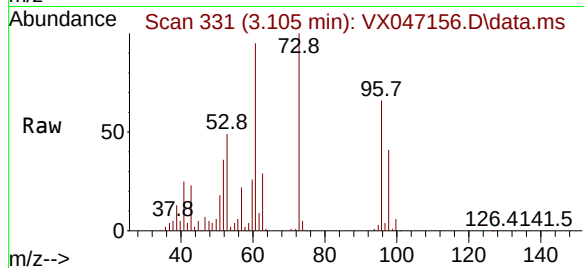
Tgt Ion: 84 Resp: 74799
Ion Ratio Lower Upper
84 100
49 126.2 101.6 152.4
51 41.0 30.3 45.5
86 64.9 50.6 75.8





#21
trans-1,2-Dichloroethene
Concen: 18.094 ug/l
RT: 3.105 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

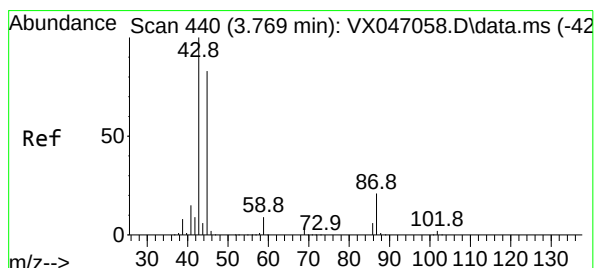
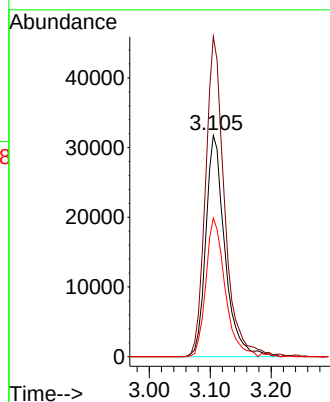
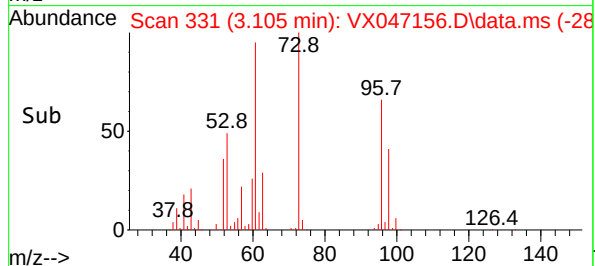
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion: 96 Resp: 69035
Ion Ratio Lower Upper
96 100
61 144.6 111.1 166.7
98 62.6 49.6 74.4

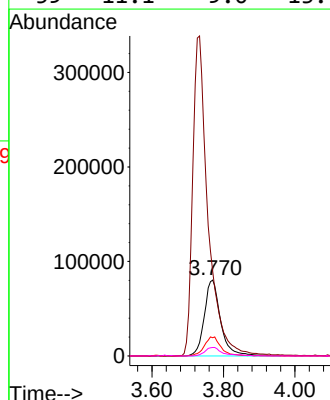
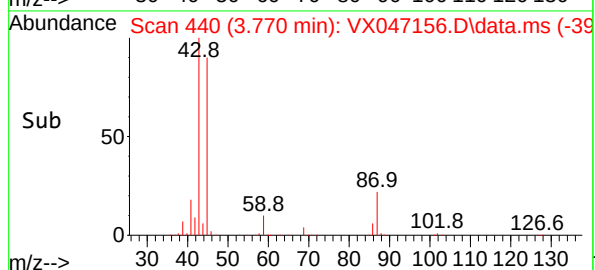
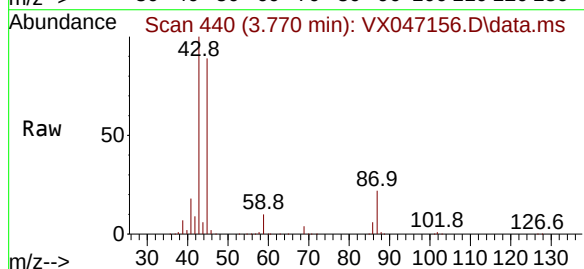
Manual Integrations
APPROVED

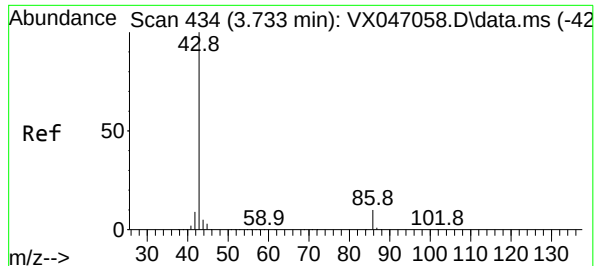
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#22
Diisopropyl ether
Concen: 19.655 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion: 45 Resp: 254694
Ion Ratio Lower Upper
45 100
43 111.2 96.8 145.2
87 24.1 20.5 30.7
59 11.1 9.0 13.4





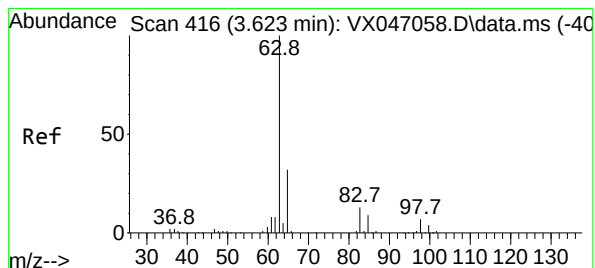
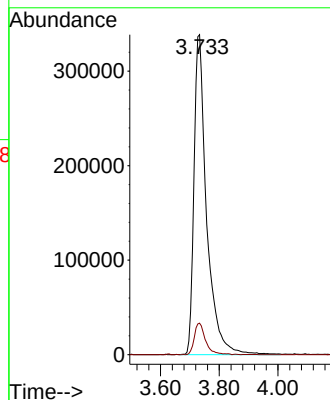
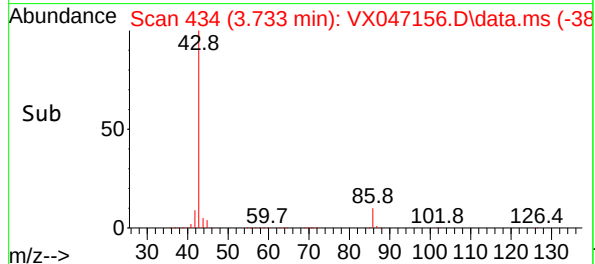
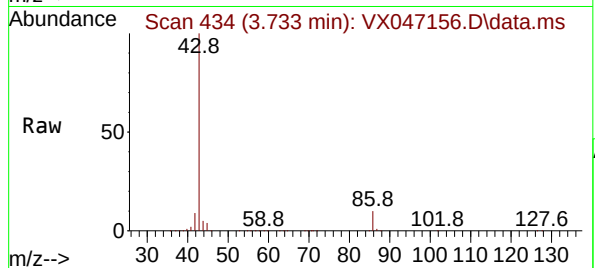
#23
Vinyl Acetate
Concen: 97.713 ug/l
RT: 3.733 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01

Tgt Ion: 43 Resp: 1015540
Ion Ratio Lower Upper
43 100
86 9.8 8.1 12.1

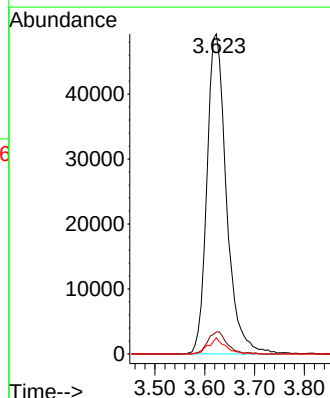
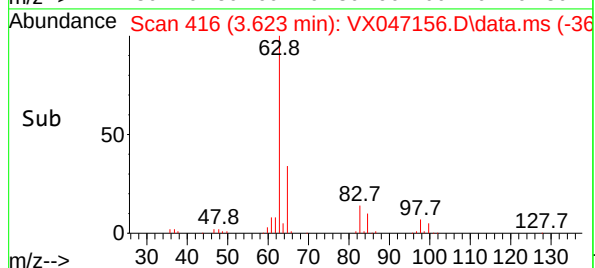
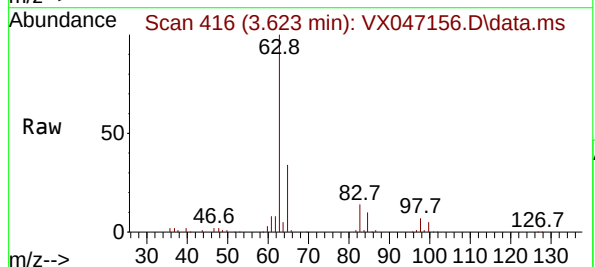
Manual Integrations
APPROVED

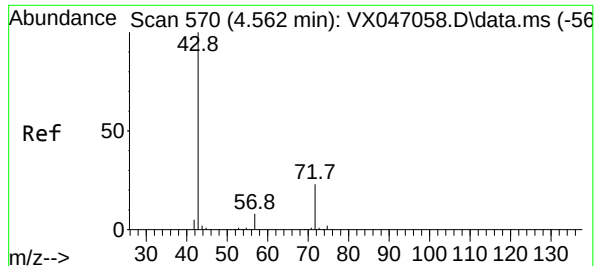
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#24
1,1-Dichloroethane
Concen: 18.592 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion: 63 Resp: 133966
Ion Ratio Lower Upper
63 100
98 7.4 3.6 10.8
100 5.0 2.3 6.8





#25

2-Butanone

Concen: 91.977 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 43 Resp: 198284

Ion Ratio Lower Upper

43

100

72

26.1

18.8

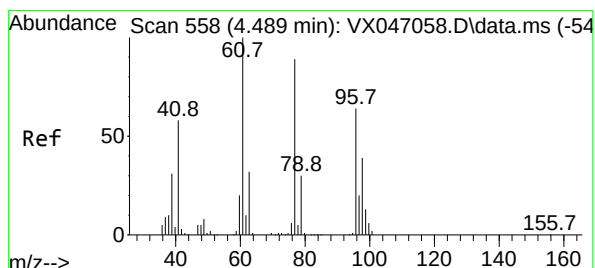
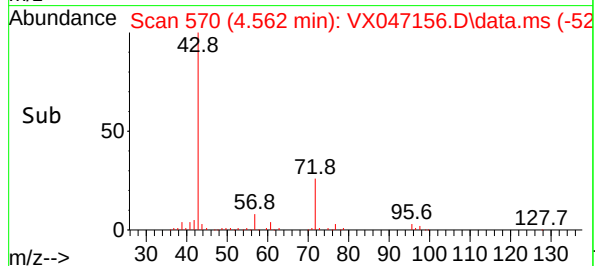
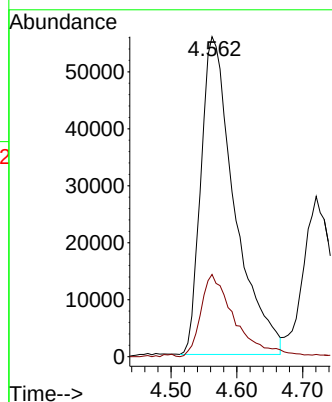
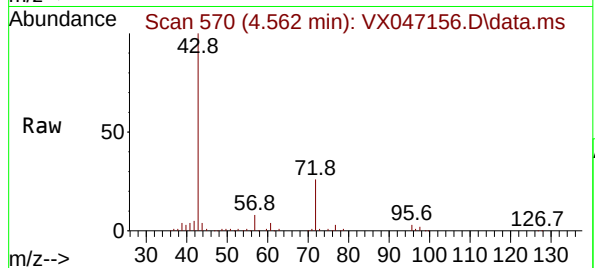
28.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#26

2,2-Dichloropropane

Concen: 18.716 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Tgt Ion: 77 Resp: 104393

Ion Ratio Lower Upper

77

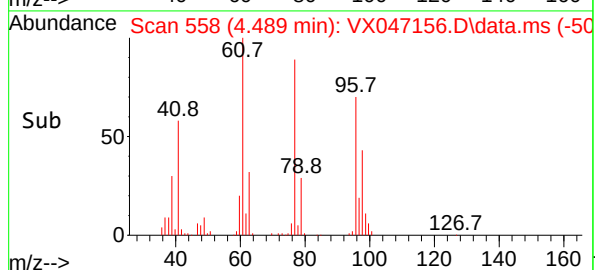
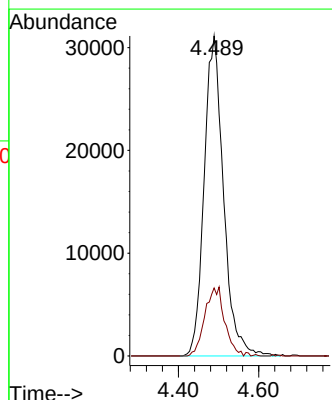
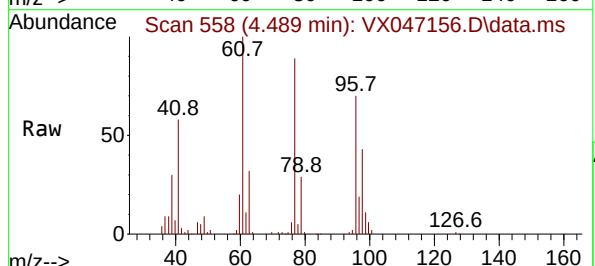
100

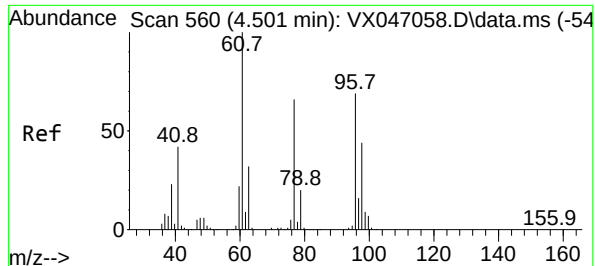
97

21.9

11.4

34.1





#27

cis-1,2-Dichloroethene

Concen: 18.553 ug/l

RT: 4.501 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 96 Resp: 8382

Ion Ratio Lower Upper

96 100

61 148.1 0.0 298.6

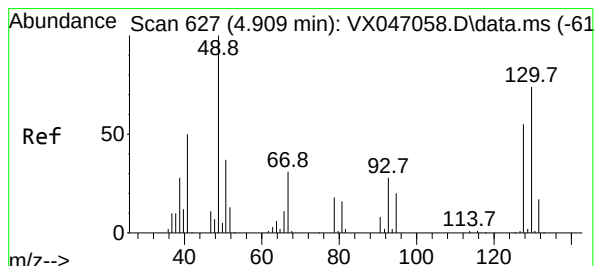
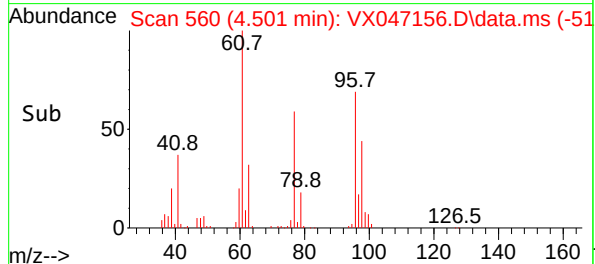
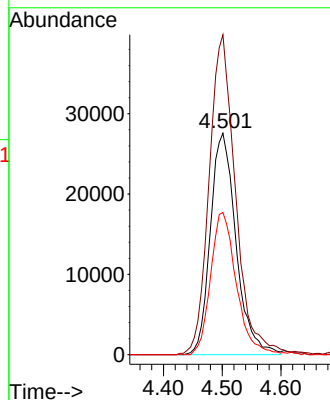
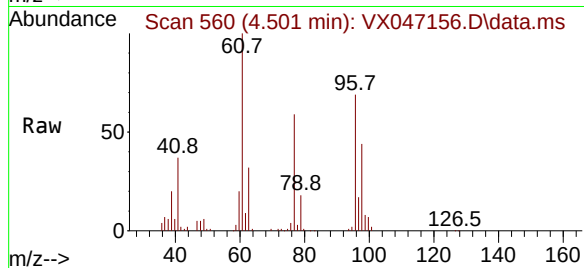
98 64.3 0.0 128.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#28

Bromochloromethane

Concen: 22.660 ug/l

RT: 4.904 min Scan# 626

Delta R.T. -0.006 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

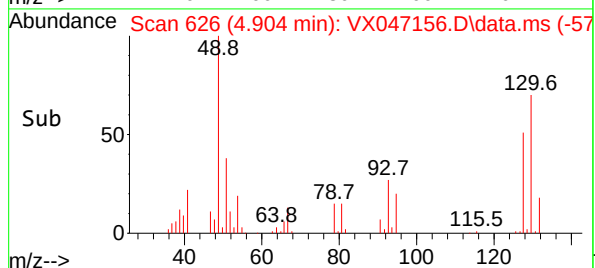
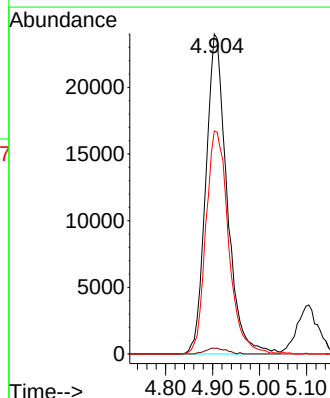
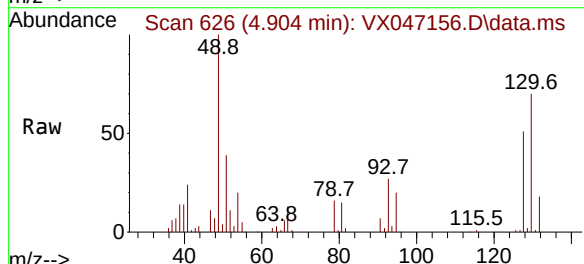
Tgt Ion: 49 Resp: 75119

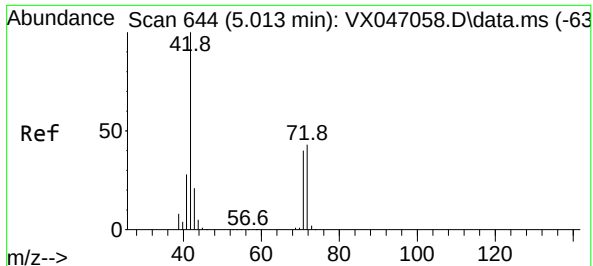
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

130 74.4 59.0 88.4





#29

Tetrahydrofuran

Concen: 92.271 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 42 Resp: 128344

Ion Ratio Lower Upper

42 100

72 42.8 33.7 50.5

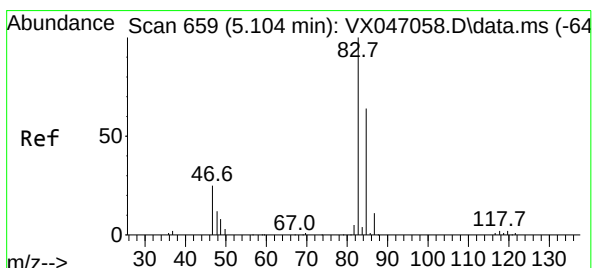
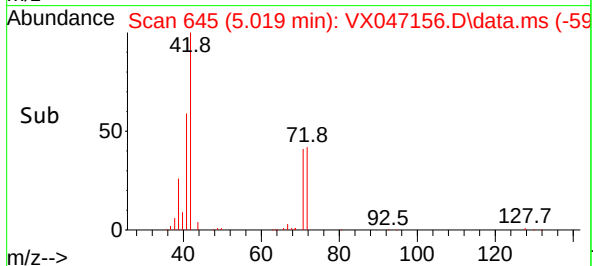
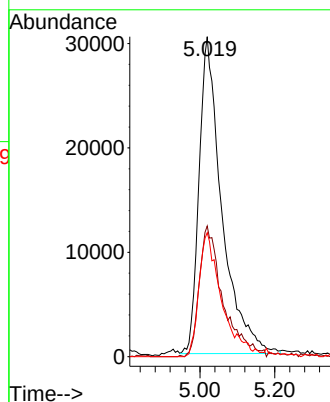
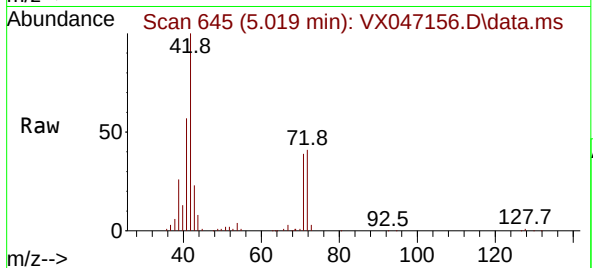
71 38.3 31.0 46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#30

Chloroform

Concen: 18.366 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.000 min

Lab File: VX047156.D

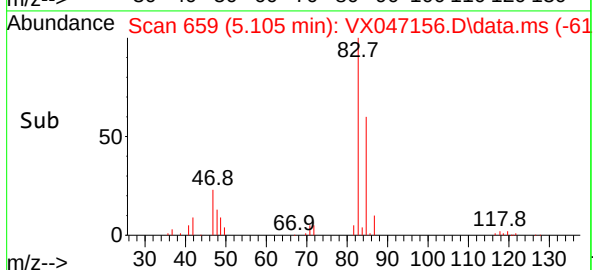
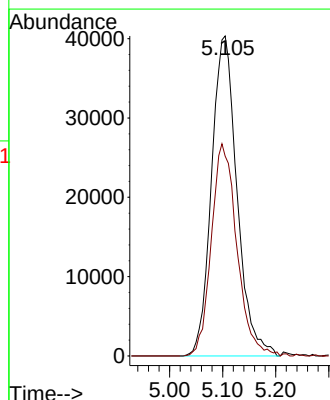
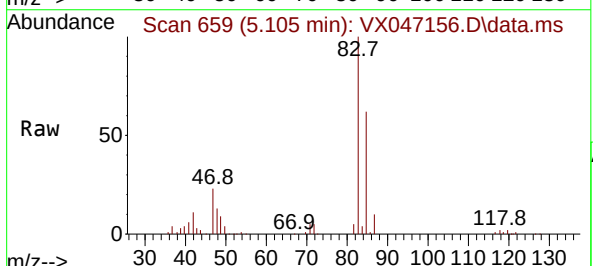
Acq: 28 Jul 2025 11:11

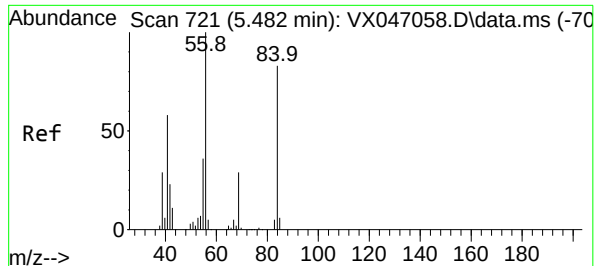
Tgt Ion: 83 Resp: 134714

Ion Ratio Lower Upper

83 100

85 62.5 50.9 76.3





#31

Cyclohexane

Concen: 18.542 ug/l

RT: 5.477 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 56 Resp: 128100

Ion Ratio Lower Upper

56 100

69 29.2 23.3 34.9

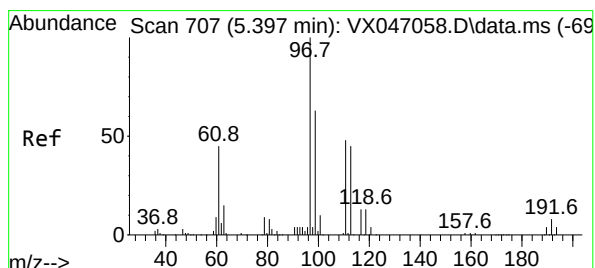
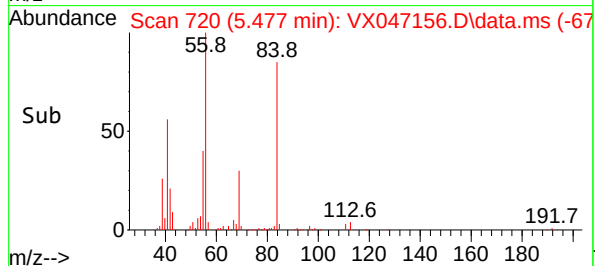
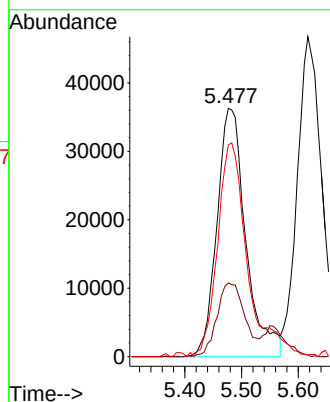
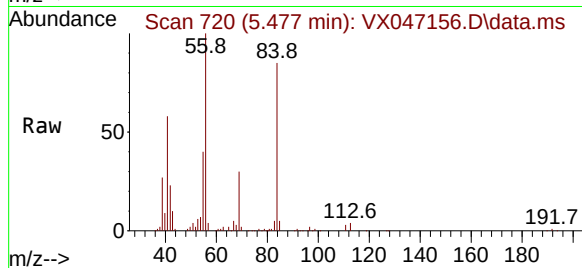
84 83.5 66.5 99.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#32

1,1,1-Trichloroethane

Concen: 18.608 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

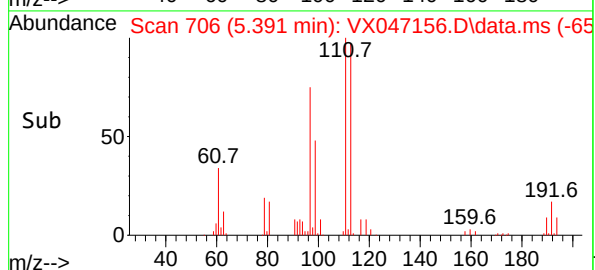
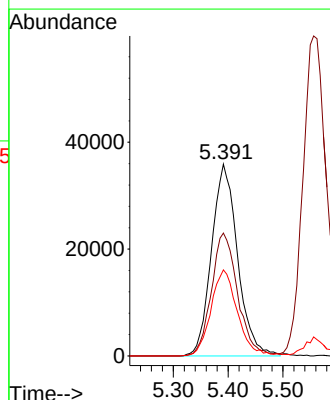
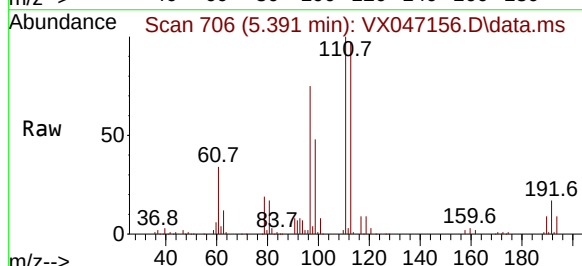
Tgt Ion: 97 Resp: 118551

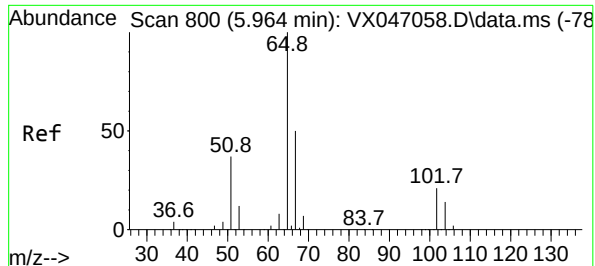
Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

61 45.7 37.1 55.7





#33

1,2-Dichloroethane-d4

Concen: 47.536 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 65 Resp: 17568

Ion Ratio Lower Upper

65 100

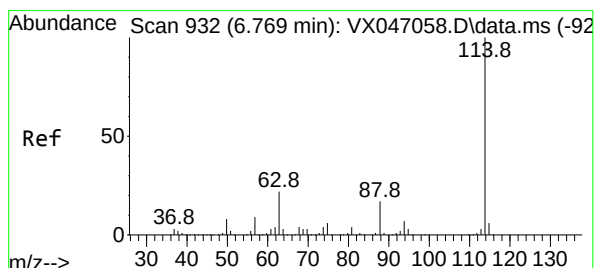
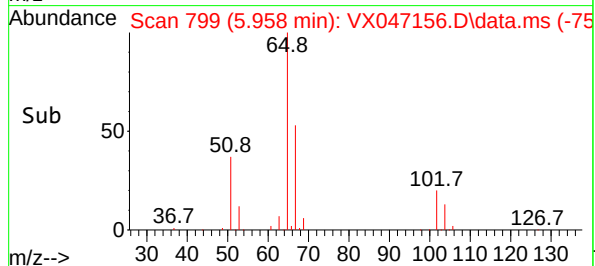
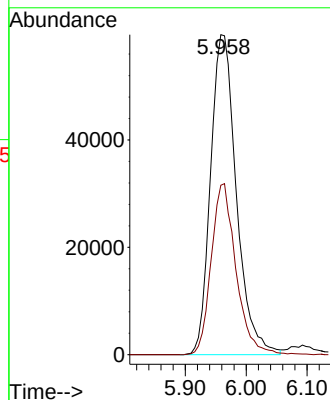
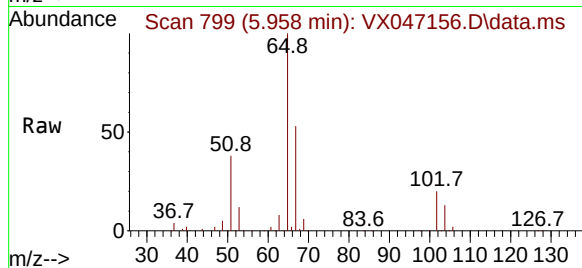
67 51.3 0.0 104.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

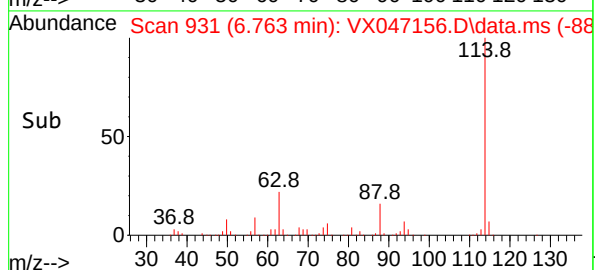
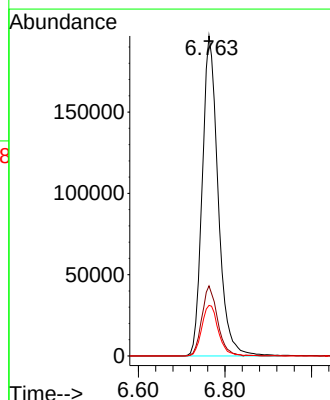
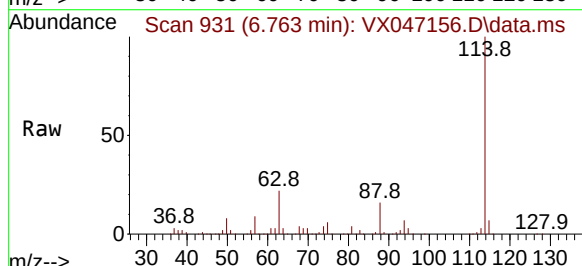
Tgt Ion:114 Resp: 500012

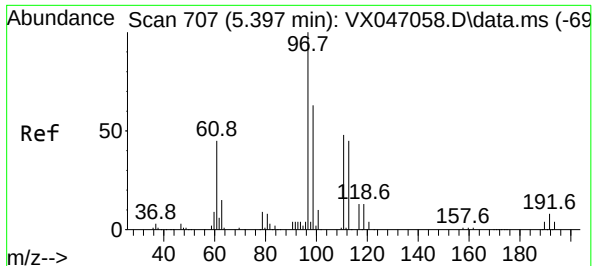
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

88 15.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 48.049 ug/l

RT: 5.391 min Scan# 707

Delta R.T. -0.006 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion:113 Resp: 148339

Ion Ratio Lower Upper

113 100

111 104.0 82.6 124.0

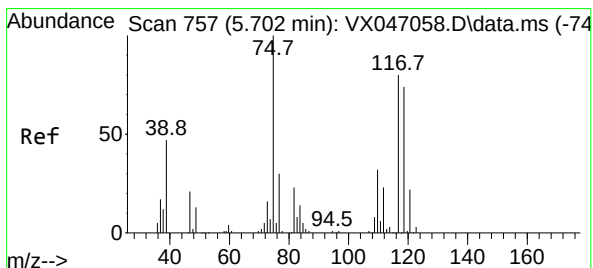
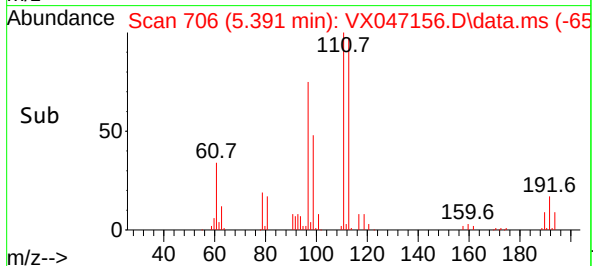
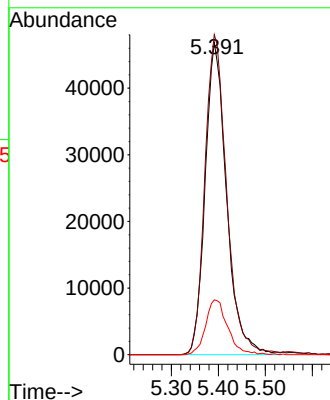
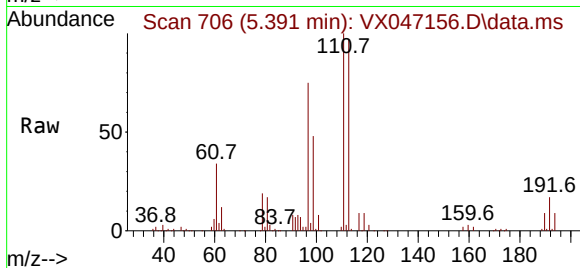
192 18.1 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#36

1,1-Dichloropropene

Concen: 17.660 ug/l

RT: 5.702 min Scan# 757

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

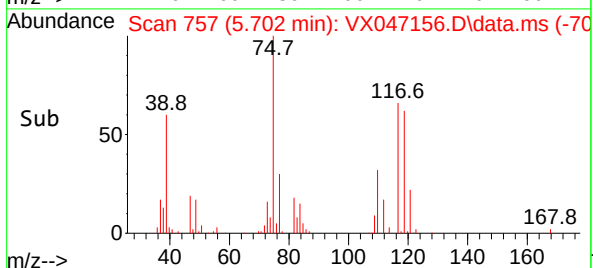
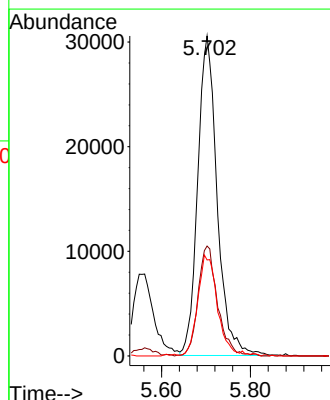
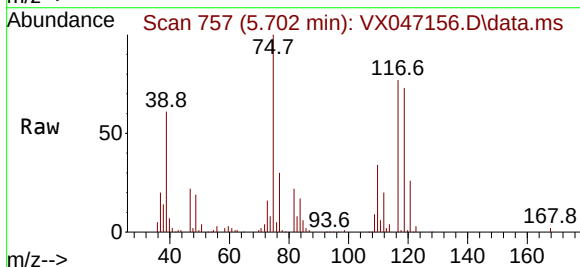
Tgt Ion: 75 Resp: 92937

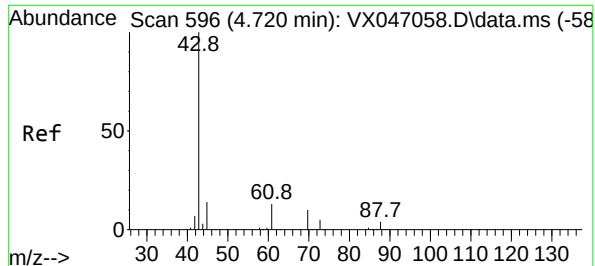
Ion Ratio Lower Upper

75 100

110 34.6 17.2 51.5

77 31.3 25.1 37.7





#37

Ethyl Acetate

Concen: 19.830 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 43 Resp: 96160

Ion Ratio Lower Upper

43 100

61 11.9 10.2 15.2

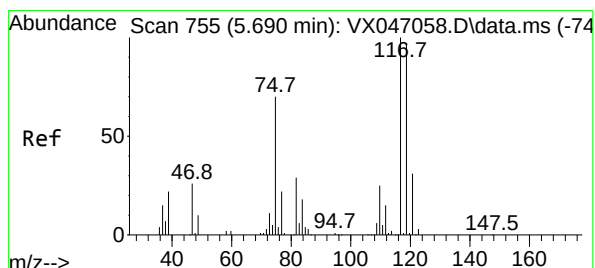
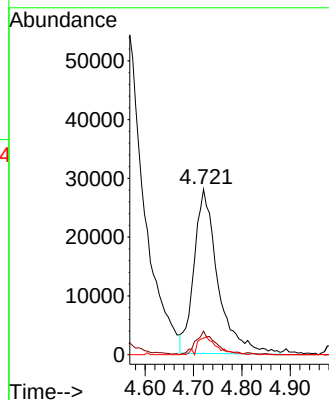
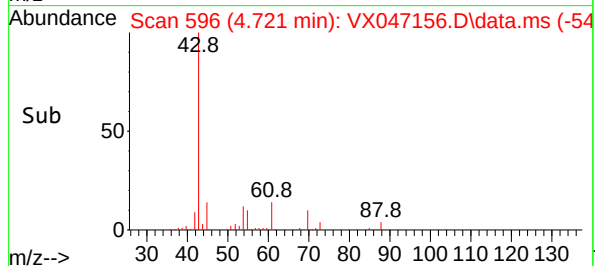
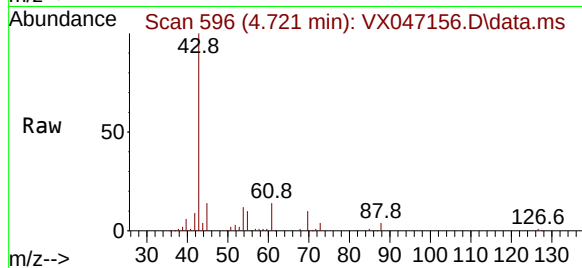
70 8.9 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#38

Carbon Tetrachloride

Concen: 18.623 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

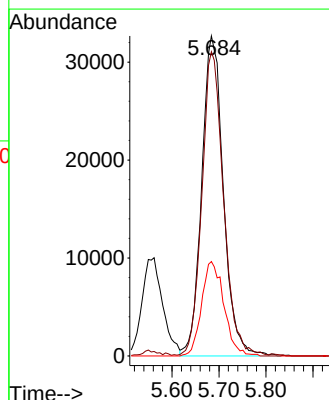
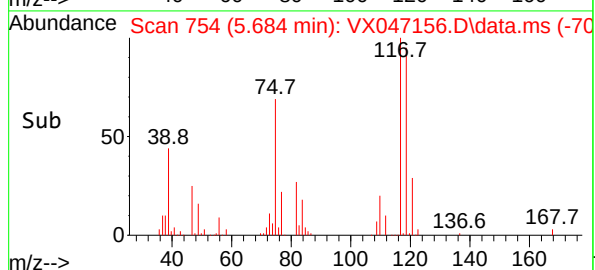
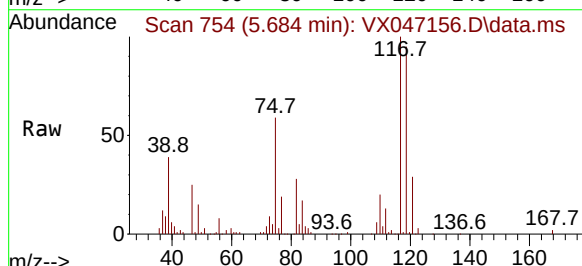
Tgt Ion:117 Resp: 104598

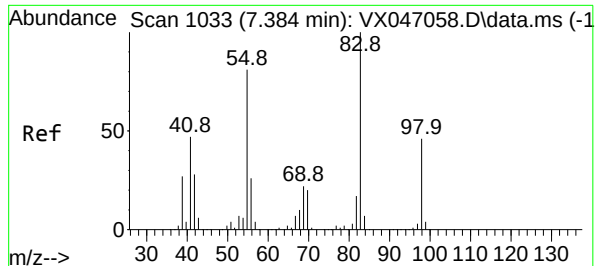
Ion Ratio Lower Upper

117 100

119 94.7 76.6 115.0

121 29.5 24.4 36.6





#39

Methylcyclohexane

Concen: 18.398 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 83 Resp: 12088

Ion Ratio Lower Upper

83 100

55 82.7 64.5 96.7

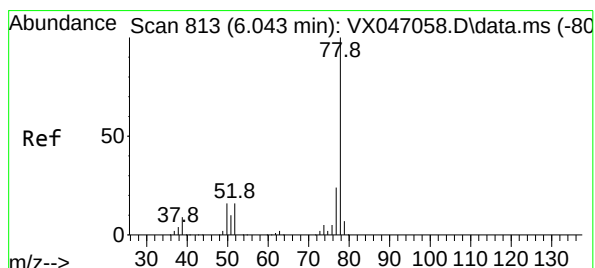
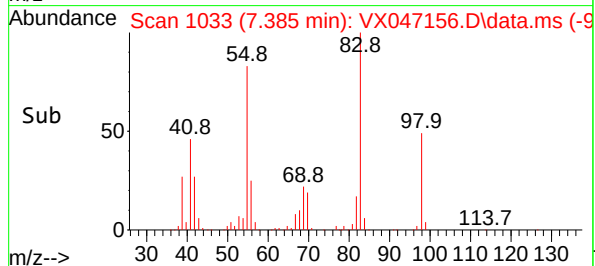
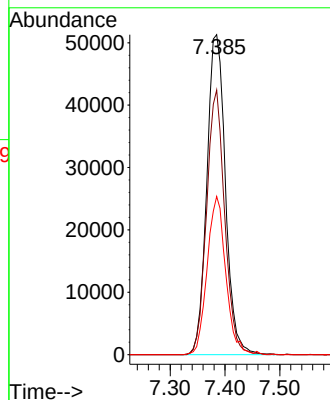
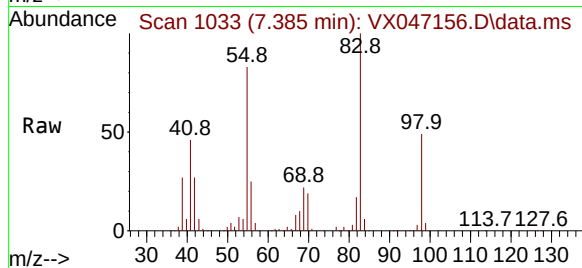
98 49.5 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#40

Benzene

Concen: 18.596 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.000 min

Lab File: VX047156.D

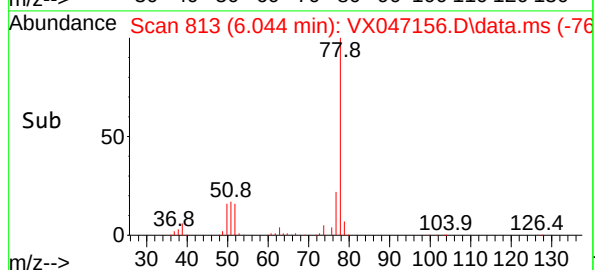
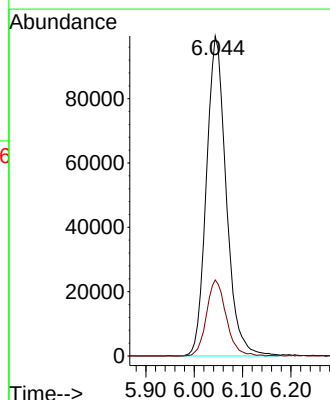
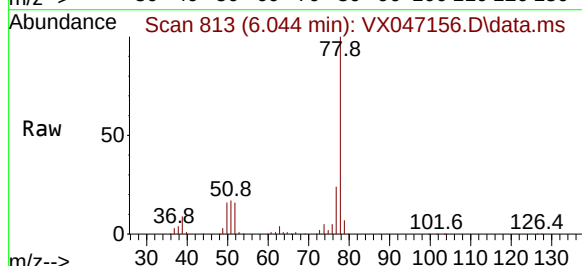
Acq: 28 Jul 2025 11:11

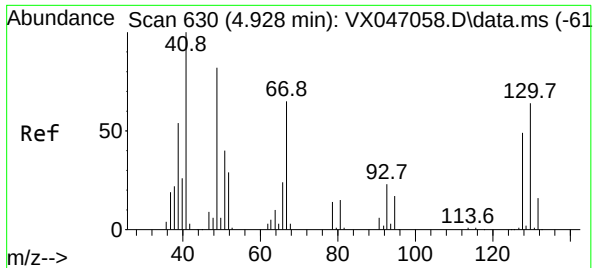
Tgt Ion: 78 Resp: 283209

Ion Ratio Lower Upper

78 100

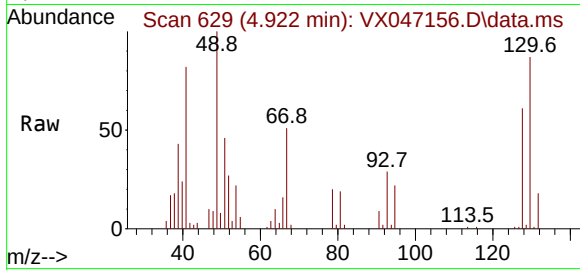
77 23.7 19.0 28.4





#41
Methacrylonitrile
Concen: 18.303 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

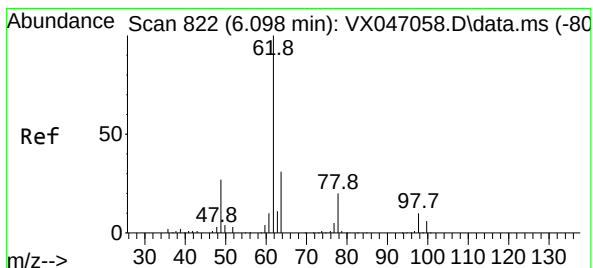
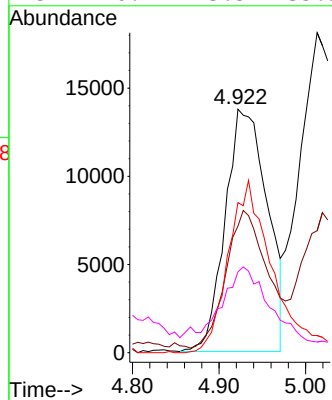
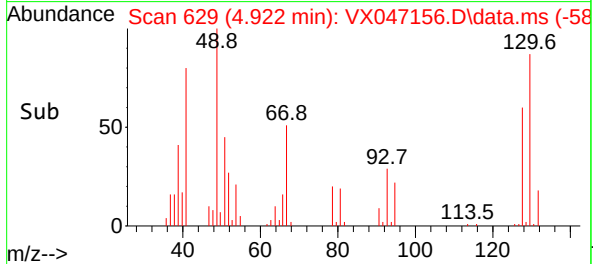
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion: 41 Resp: 4640
Ion Ratio Lower Upper
41 100
39 56.3 44.2 66.2
67 75.1 56.4 84.6
52 46.9 23.5 35.3#

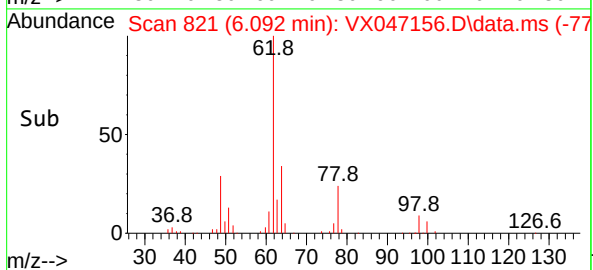
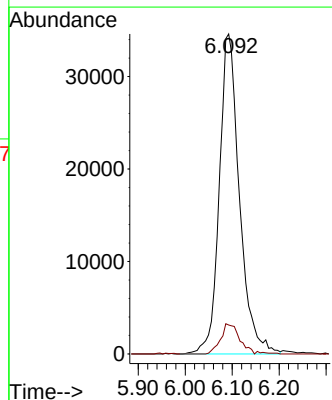
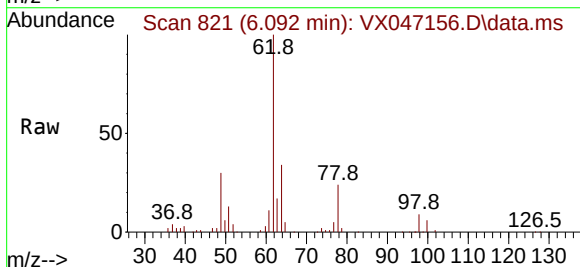
Manual Integrations
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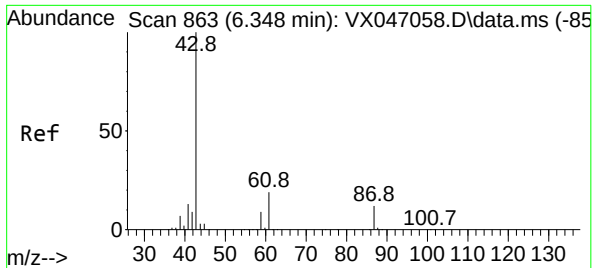
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#42
1,2-Dichloroethane
Concen: 19.270 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

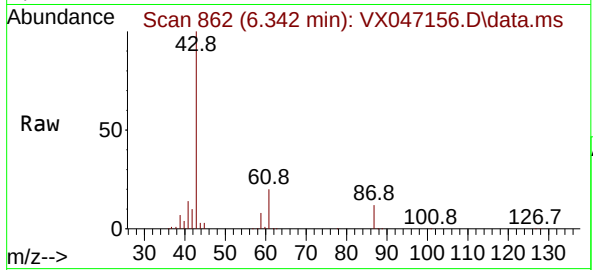
Tgt Ion: 62 Resp: 103378
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.8





#43
Isopropyl Acetate
Concen: 19.834 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

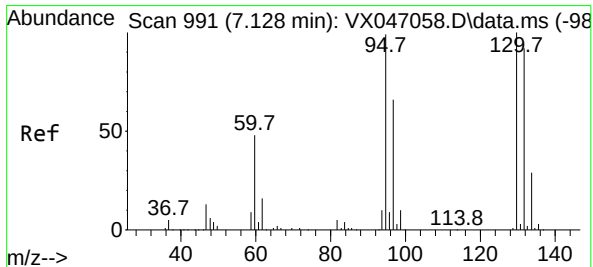
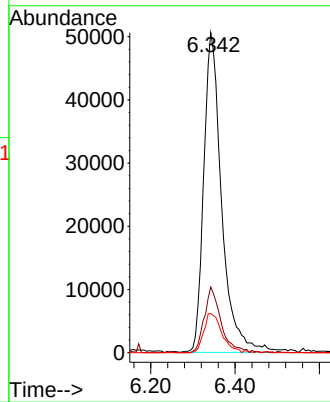
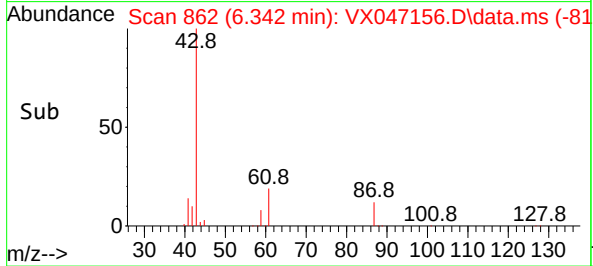
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion: 43 Resp: 149936
Ion Ratio Lower Upper
43 100
61 18.9 15.1 22.7
87 12.2 9.7 14.5

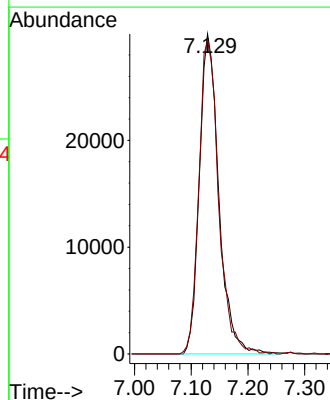
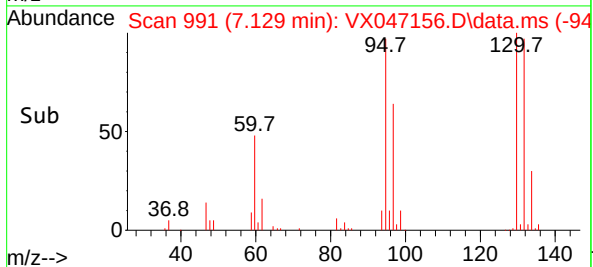
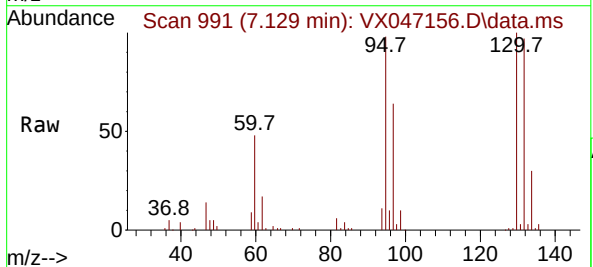
Manual Integrations
APPROVED

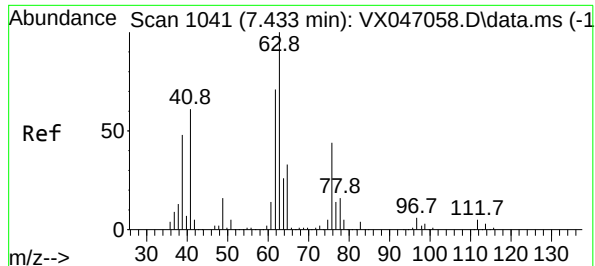
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#44
Trichloroethene
Concen: 18.269 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion:130 Resp: 71346
Ion Ratio Lower Upper
130 100
95 98.0 0.0 198.6





#45

1,2-Dichloropropane

Concen: 18.912 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 63 Resp: 7213

Ion Ratio Lower Upper

63 100

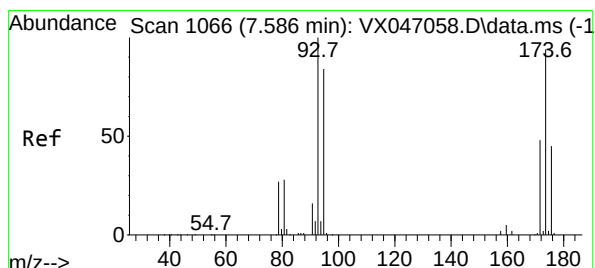
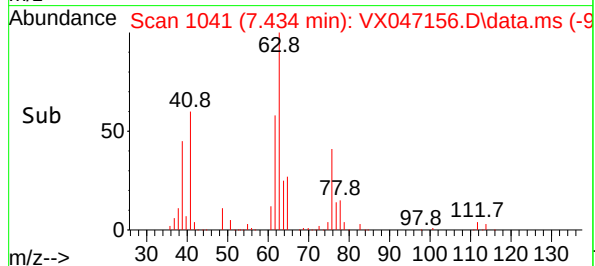
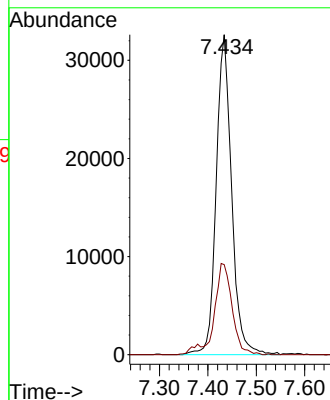
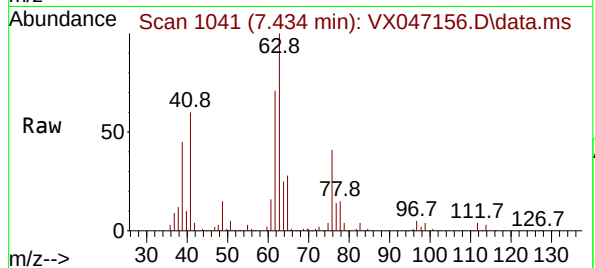
65 28.2 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#46

Dibromomethane

Concen: 19.371 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

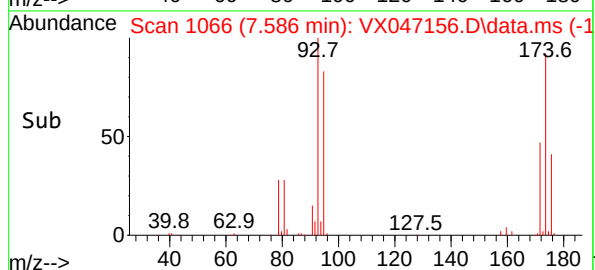
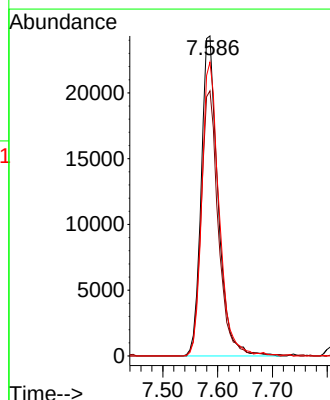
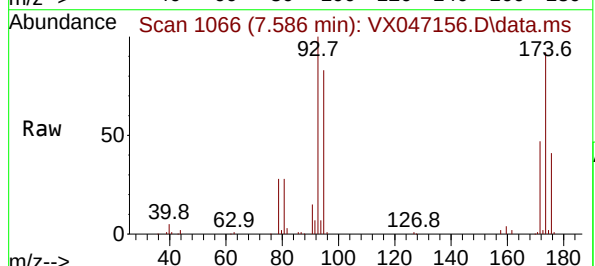
Tgt Ion: 93 Resp: 51814

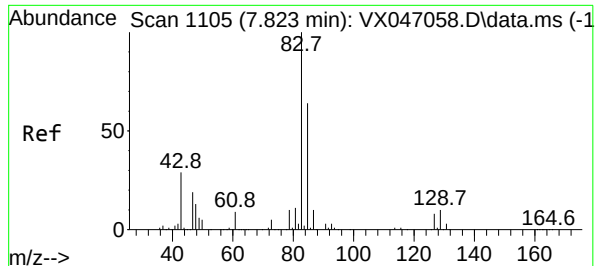
Ion Ratio Lower Upper

93 100

95 84.5 65.9 98.9

174 93.8 74.6 112.0





#47

Bromodichloromethane

Concen: 19.446 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

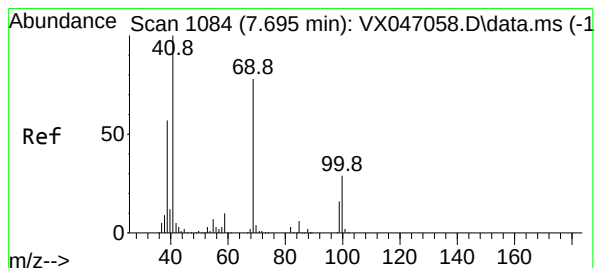
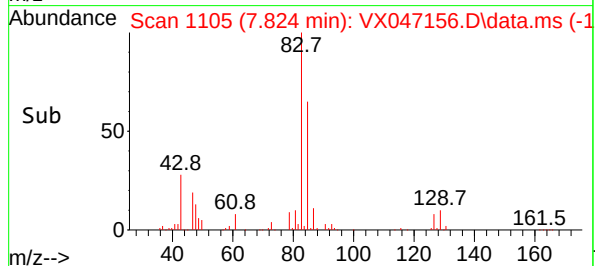
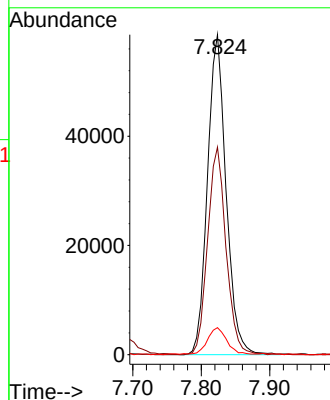
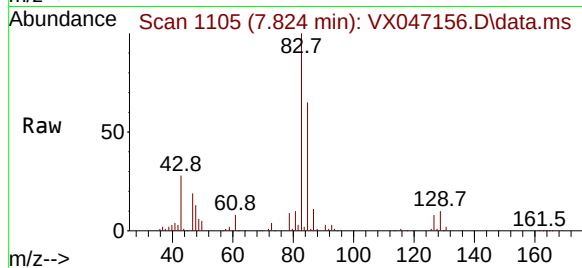
Tgt Ion:	83	Resp:	11071
Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.9	74.9
127	8.1	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#48

Methyl methacrylate

Concen: 18.813 ug/l

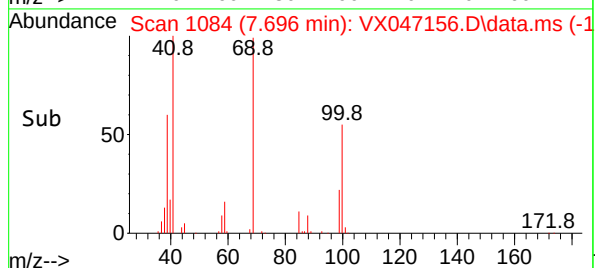
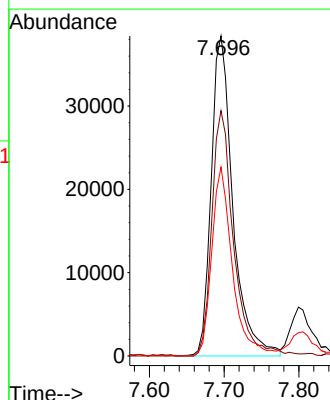
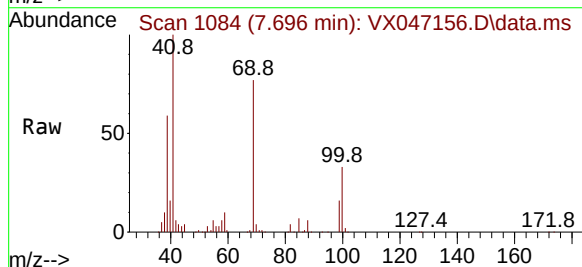
RT: 7.696 min Scan# 1084

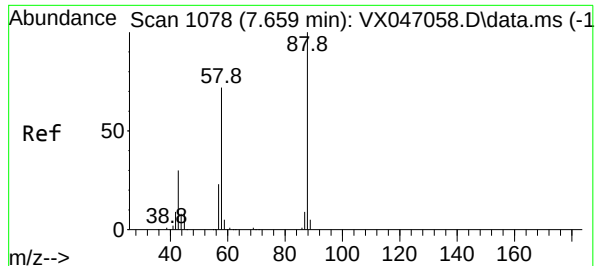
Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Tgt Ion:	41	Resp:	77478
Ion	Ratio	Lower	Upper
41	100		
69	77.4	62.3	93.5
39	56.2	44.8	67.2





#49

1,4-Dioxane

Concen: 402.907 ug/l

RT: 7.720 min Scan# 1088

Delta R.T. 0.061 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 88 Resp: 18872

Ion Ratio Lower Upper

88 100

43 36.4 33.6 50.4

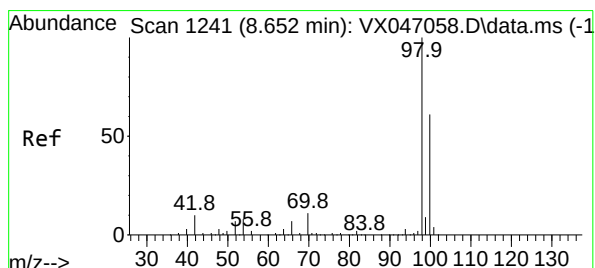
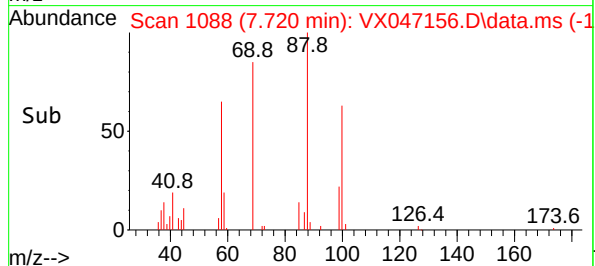
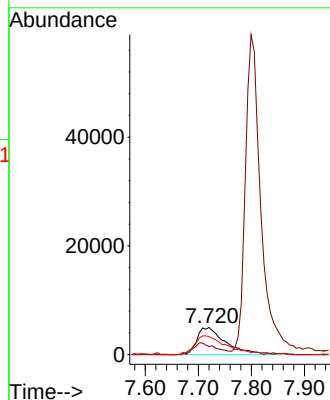
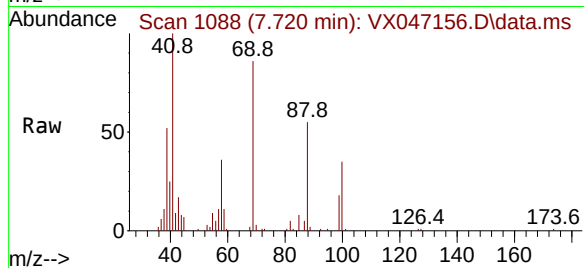
58 74.8 58.8 88.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#50

Toluene-d8

Concen: 45.252 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX047156.D

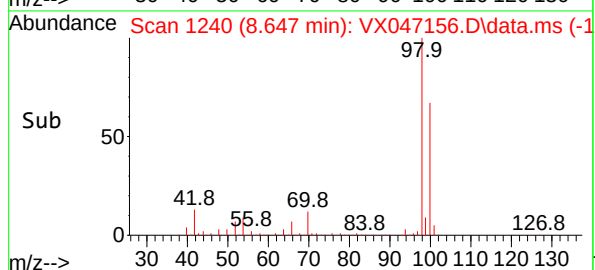
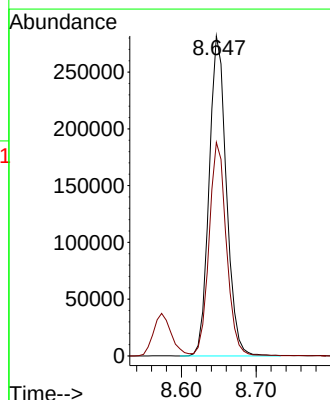
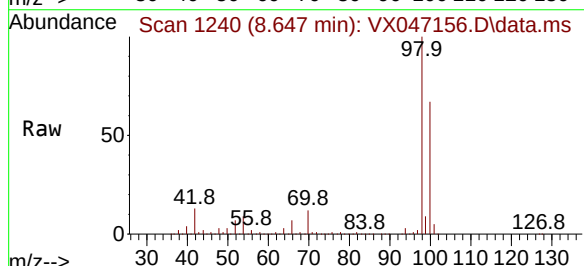
Acq: 28 Jul 2025 11:11

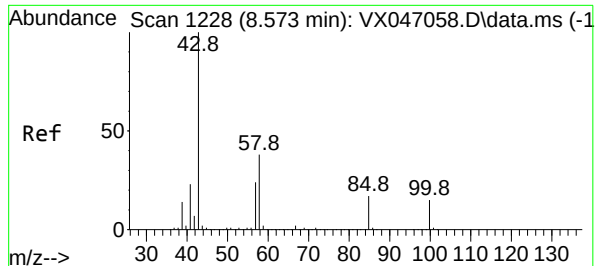
Tgt Ion: 98 Resp: 452427

Ion Ratio Lower Upper

98 100

100 66.8 53.3 79.9





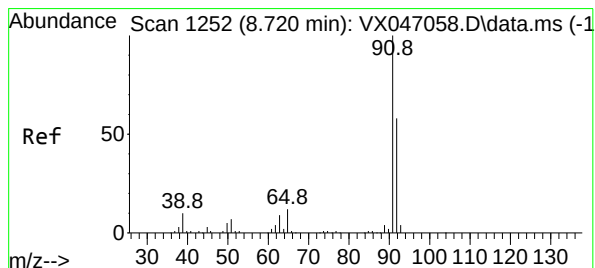
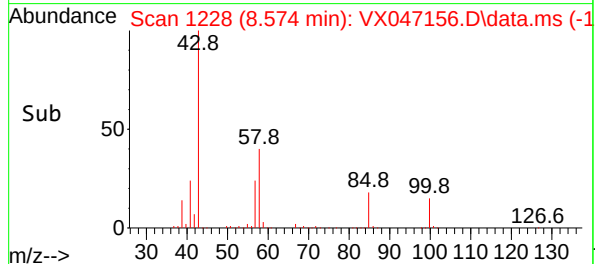
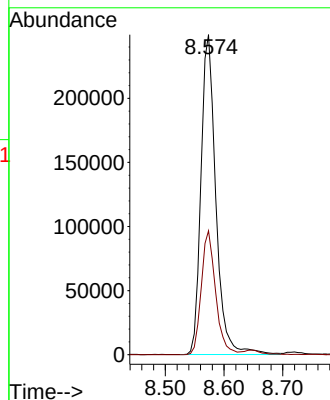
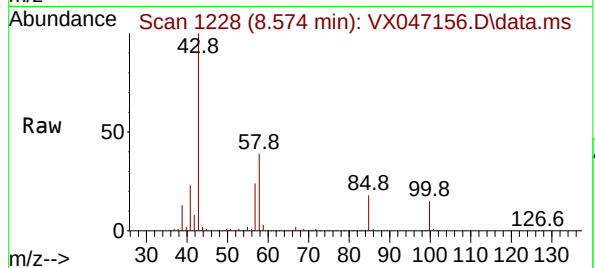
#51
4-Methyl-2-Pentanone
Concen: 97.570 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01

Tgt Ion: 43 Resp: 43841
Ion Ratio Lower Upper
43 100
58 37.1 30.6 45.8

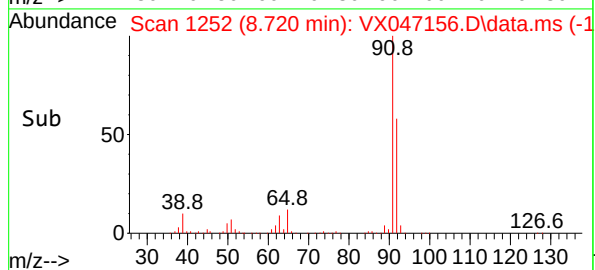
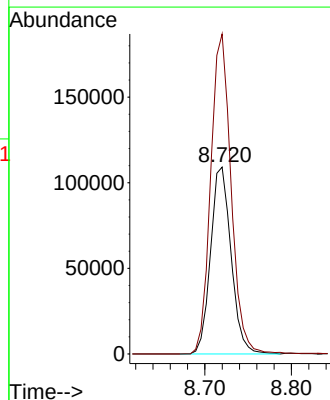
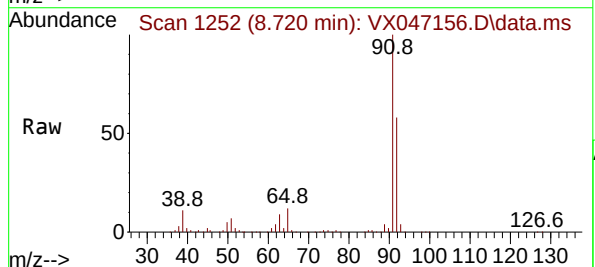
Manual Integrations
APPROVED

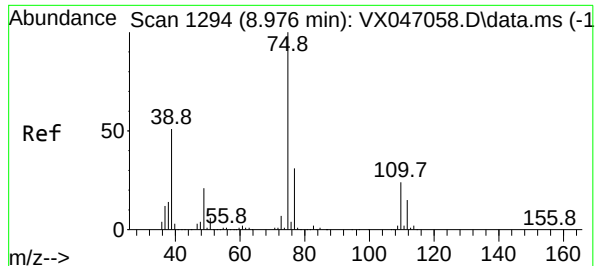
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#52
Toluene
Concen: 19.176 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion: 92 Resp: 179571
Ion Ratio Lower Upper
92 100
91 170.4 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 19.380 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 75 Resp: 10419

Ion Ratio Lower Upper

75 100

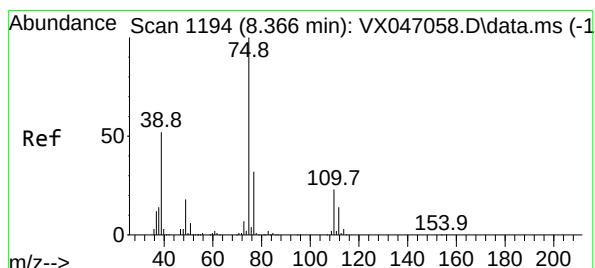
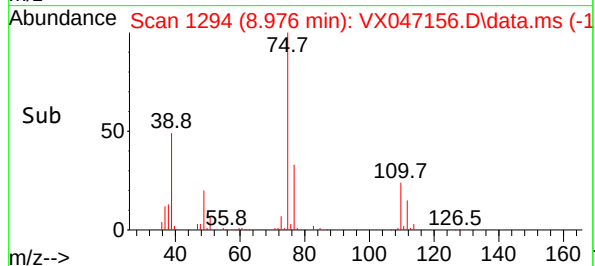
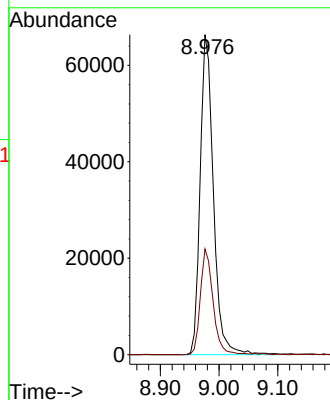
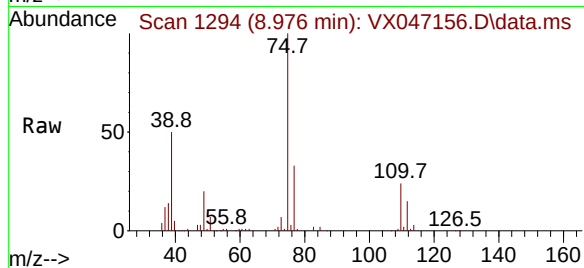
77 33.0 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#54

cis-1,3-Dichloropropene

Concen: 19.316 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

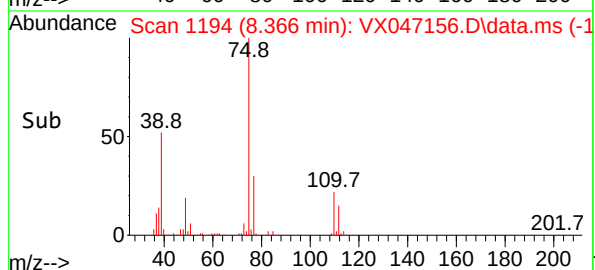
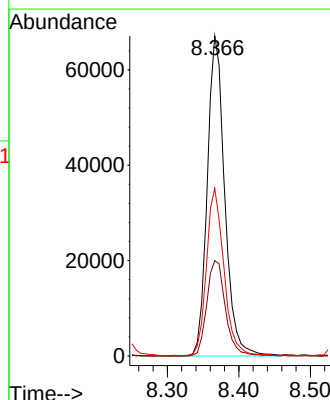
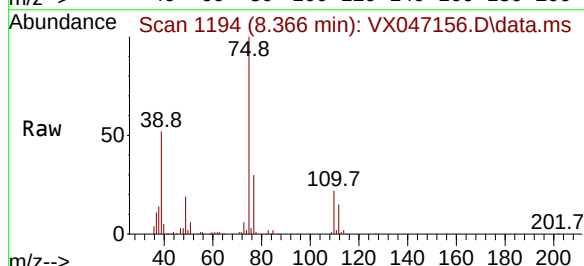
Tgt Ion: 75 Resp: 113664

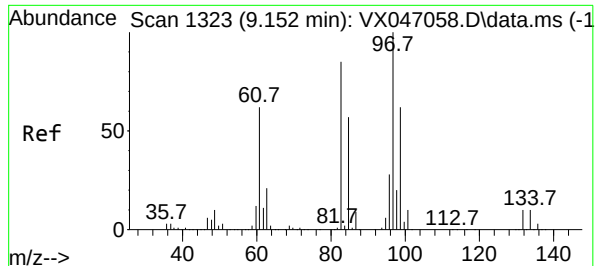
Ion Ratio Lower Upper

75 100

77 29.8 25.4 38.0

39 52.3 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 19.745 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 97 Resp: 6934

Ion Ratio Lower Upper

97 100

83 81.6 68.0 102.0

85 55.7 45.2 67.8

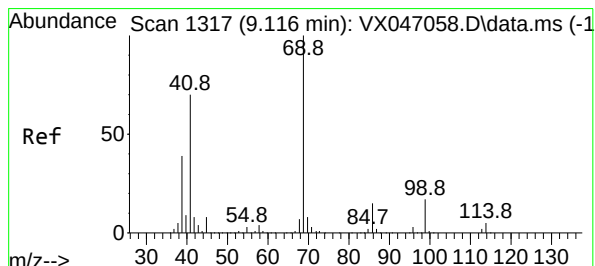
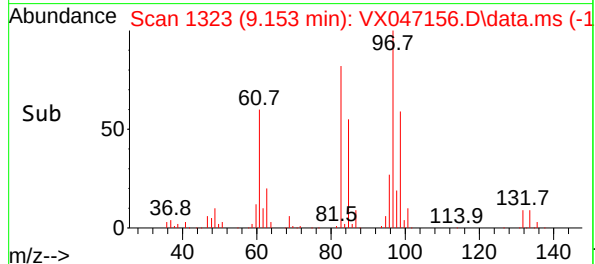
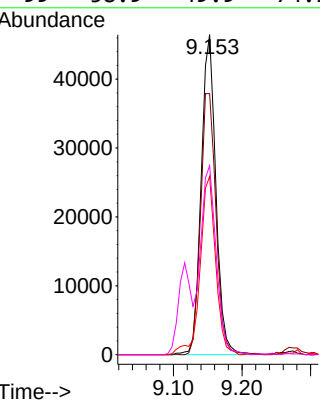
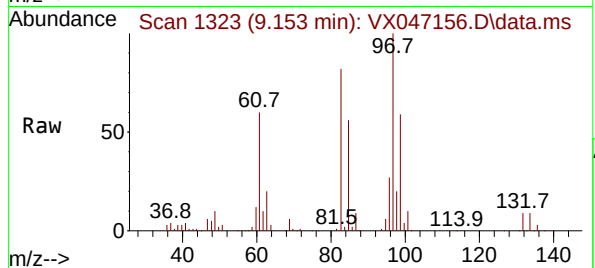
99 58.9 49.9 74.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#56

Ethyl methacrylate

Concen: 20.017 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

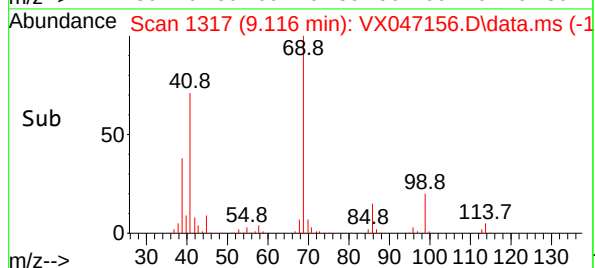
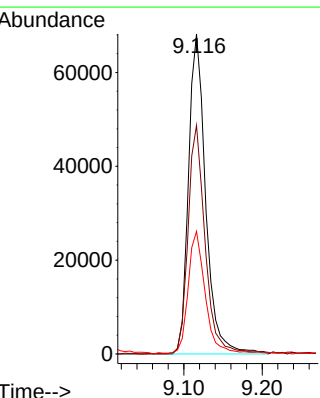
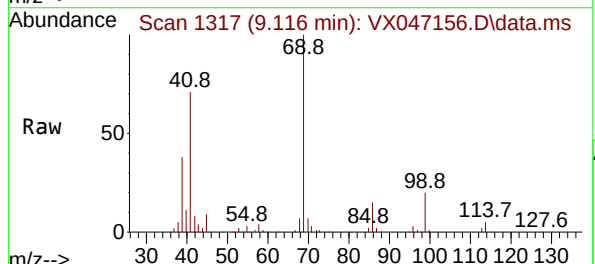
Tgt Ion: 69 Resp: 104067

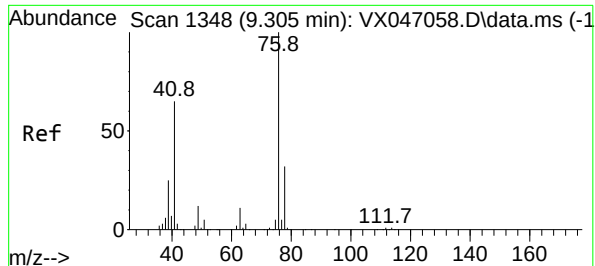
Ion Ratio Lower Upper

69 100

41 70.4 56.1 84.1

39 39.2 31.1 46.7





#57

1,3-Dichloropropane

Concen: 19.253 ug/l

RT: 9.311 min Scan# 117508

Delta R.T. 0.006 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 76 Resp: 117508

Ion Ratio Lower Upper

76 100

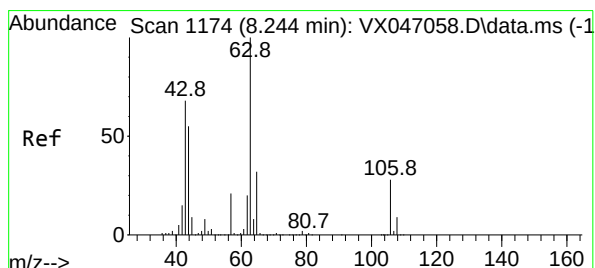
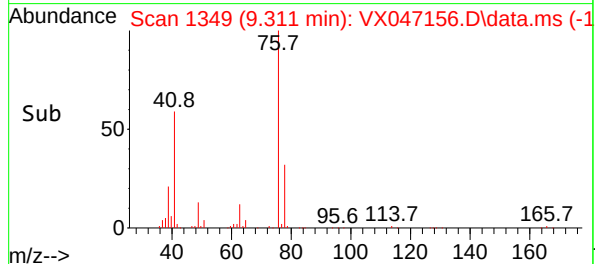
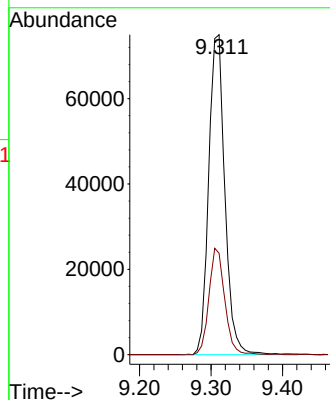
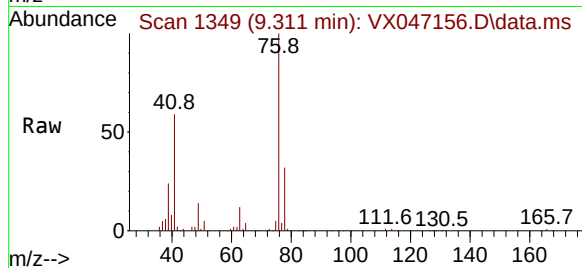
78 32.5 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#58

2-Chloroethyl Vinyl ether

Concen: 86.218 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VX047156.D

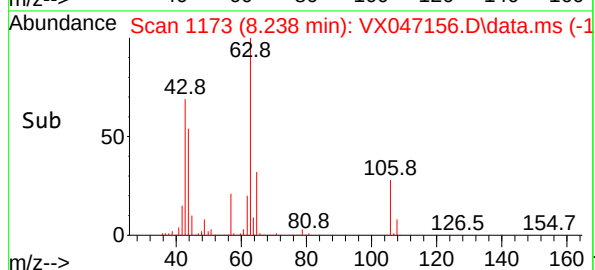
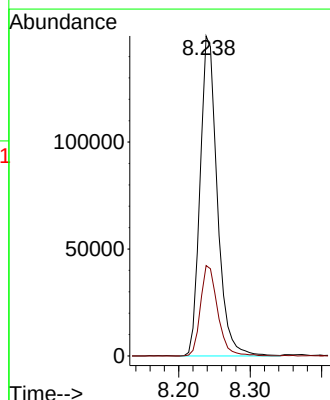
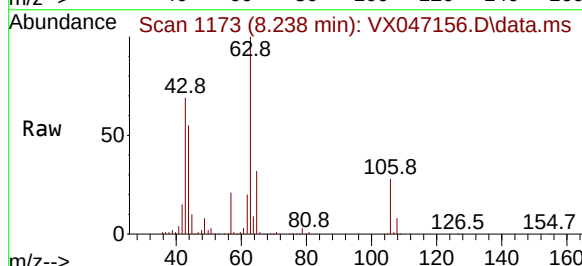
Acq: 28 Jul 2025 11:11

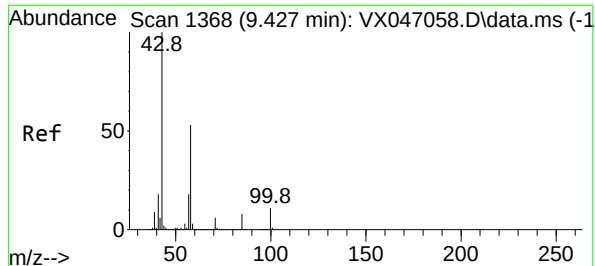
Tgt Ion: 63 Resp: 249437

Ion Ratio Lower Upper

63 100

106 28.3 22.2 33.4





#59

2-Hexanone

Concen: 101.132 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 43 Resp: 300229

Ion Ratio Lower Upper

43 100

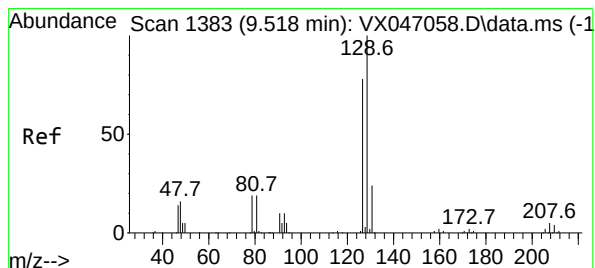
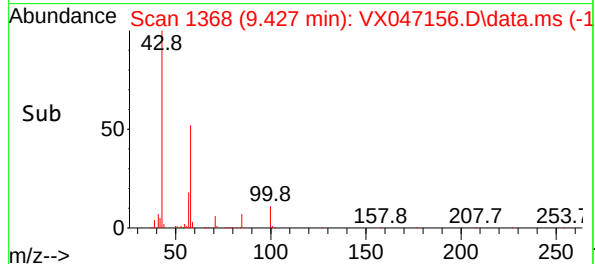
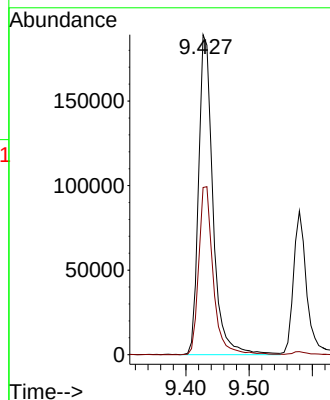
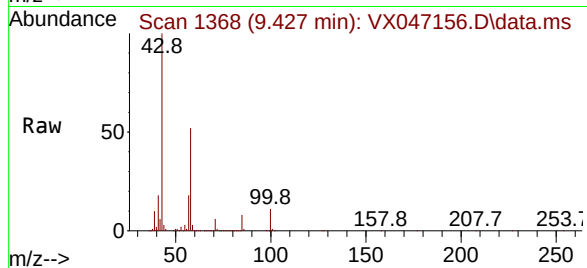
58 52.8 26.5 79.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#60

Dibromochloromethane

Concen: 20.178 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX047156.D

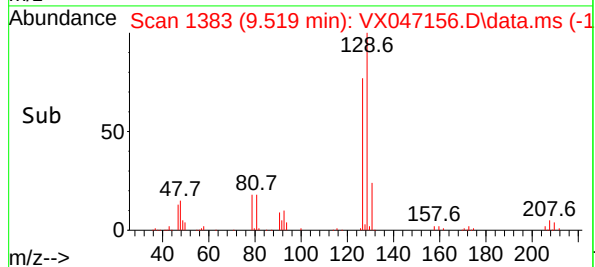
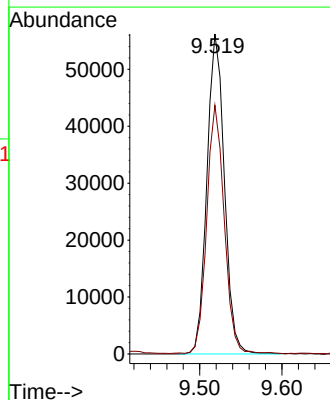
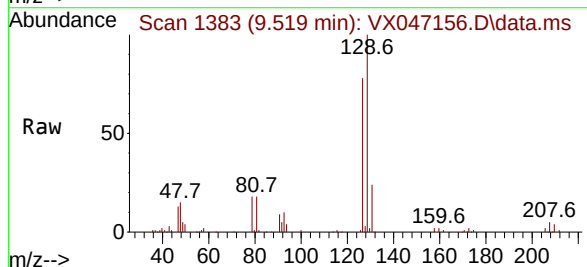
Acq: 28 Jul 2025 11:11

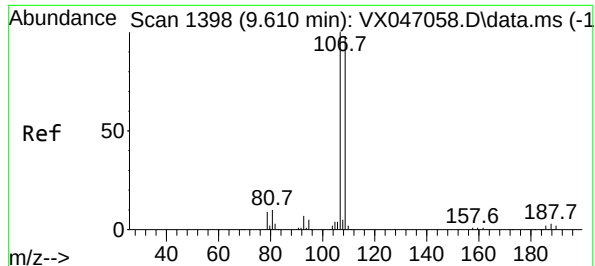
Tgt Ion:129 Resp: 83108

Ion Ratio Lower Upper

129 100

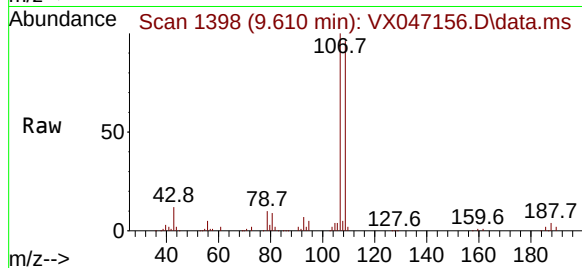
127 78.2 38.6 115.8





#61
1,2-Dibromoethane
Concen: 19.160 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

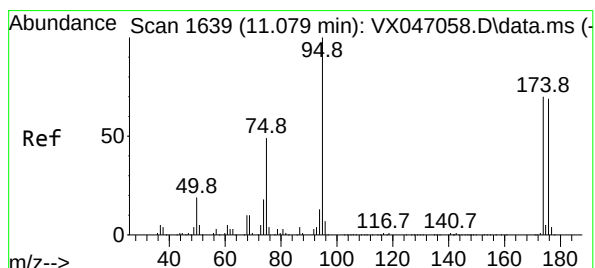
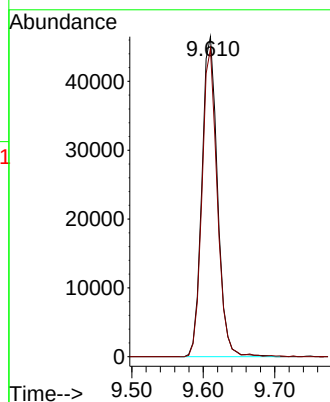
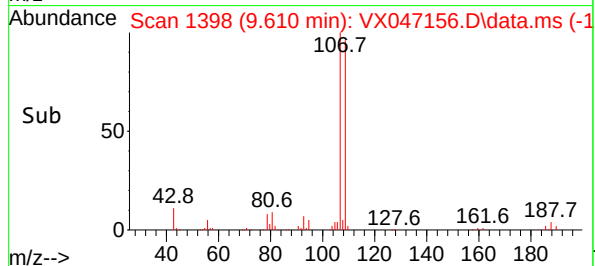
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion:107 Resp: 70359
Ion Ratio Lower Upper
107 100
109 94.2 74.6 112.0

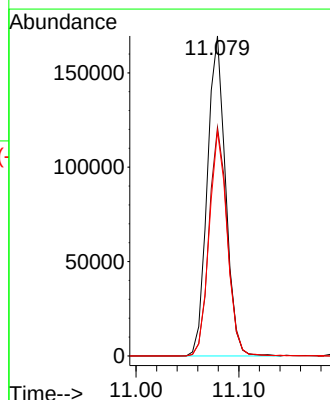
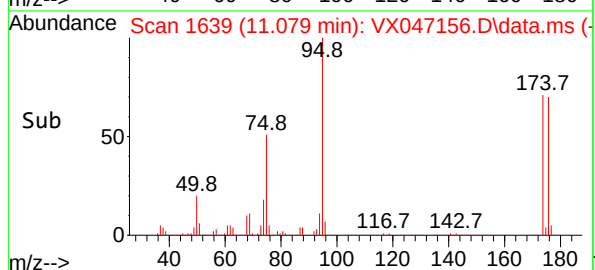
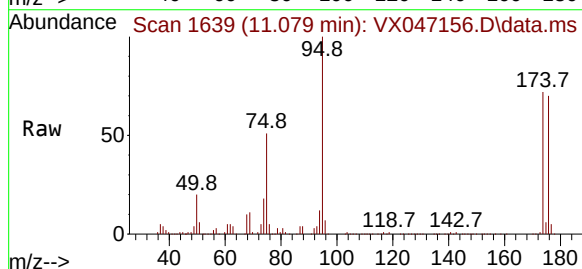
Manual Integrations
APPROVED

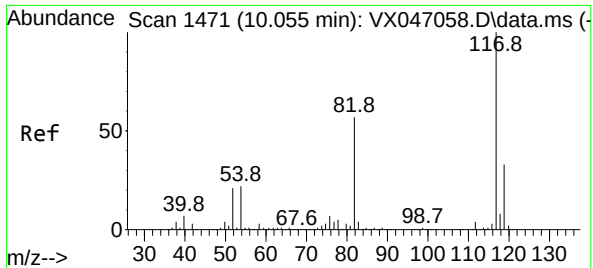
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#62
4-Bromofluorobenzene
Concen: 48.603 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

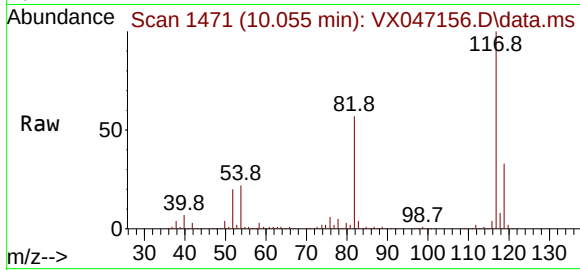
Tgt Ion: 95 Resp: 209410
Ion Ratio Lower Upper
95 100
174 71.6 0.0 144.6
176 69.5 0.0 139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

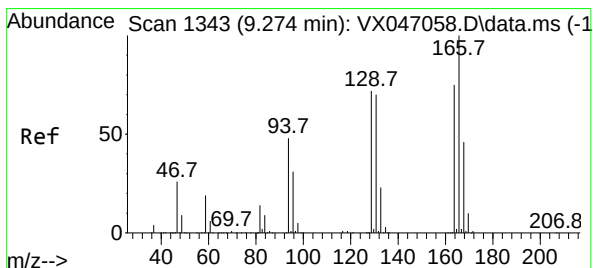
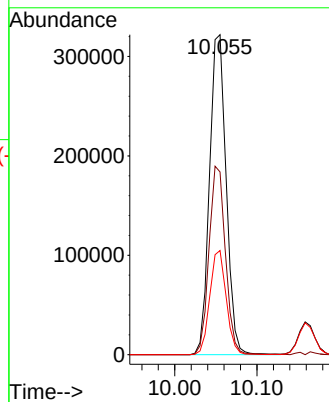
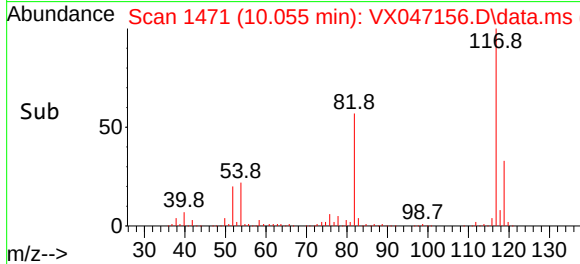
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion:117 Resp: 452880
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.2
119 32.5 26.1 39.1

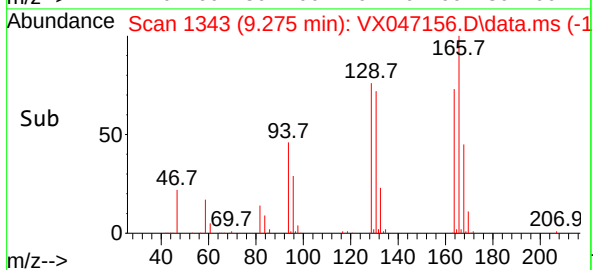
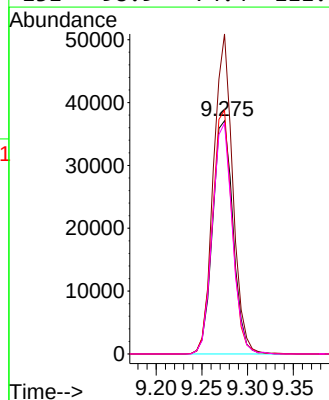
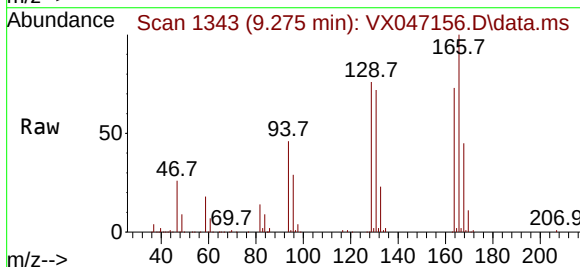
Manual Integrations
APPROVED

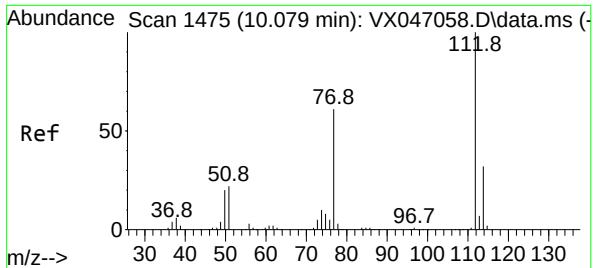
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#64
Tetrachloroethene
Concen: 17.574 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion:164 Resp: 57377
Ion Ratio Lower Upper
164 100
166 137.3 106.2 159.4
129 104.5 76.6 114.8
131 98.9 74.4 111.6





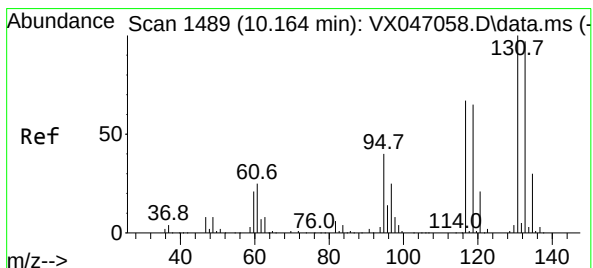
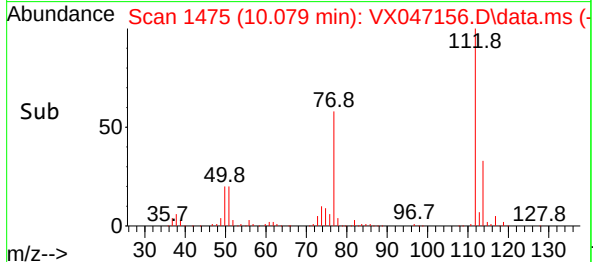
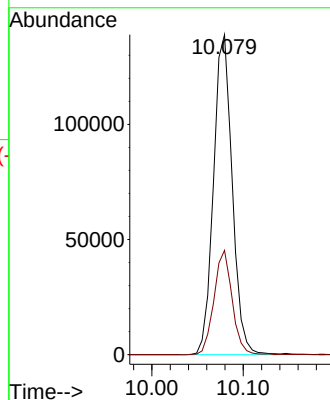
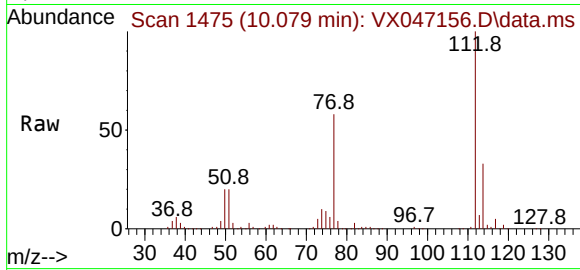
#65
Chlorobenzene
Concen: 18.592 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01

Tgt Ion:112 Resp: 19725
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6

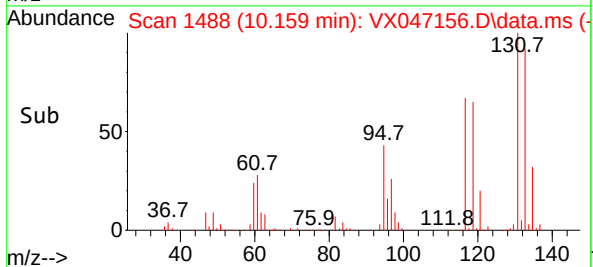
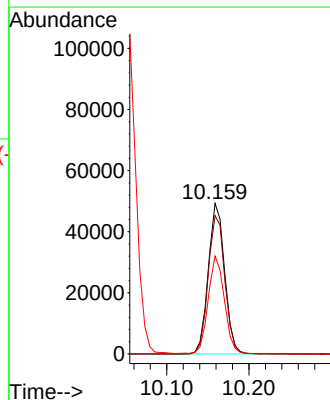
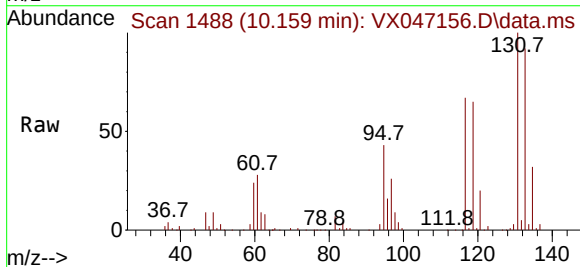
Manual Integrations
APPROVED

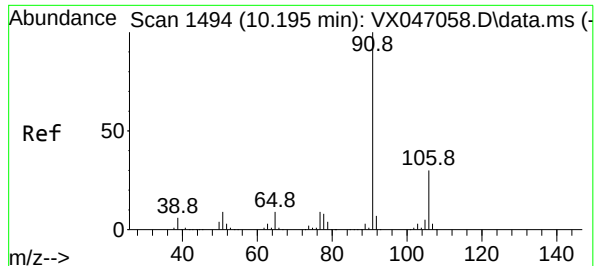
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.076 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion:131 Resp: 68140
Ion Ratio Lower Upper
131 100
133 93.8 48.4 145.3
119 64.1 32.4 97.0





#67

Ethyl Benzene

Concen: 18.640 ug/l

RT: 10.189 min Scan# 1494

Delta R.T. -0.006 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 91 Resp: 345780

Ion Ratio Lower Upper

91 100

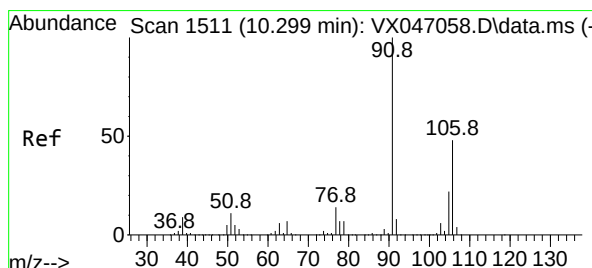
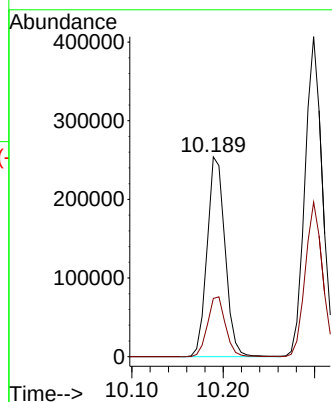
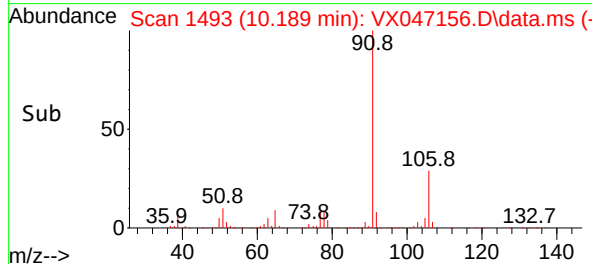
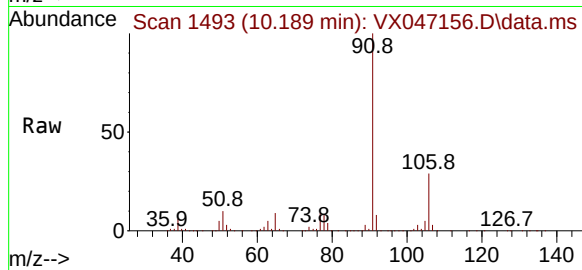
106 29.1 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#68

m/p-Xylenes

Concen: 37.534 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX047156.D

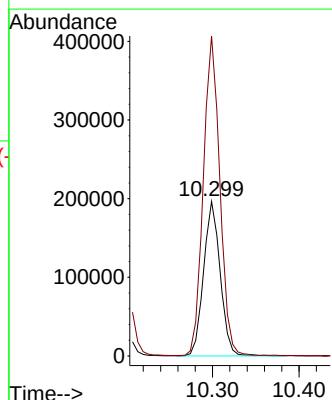
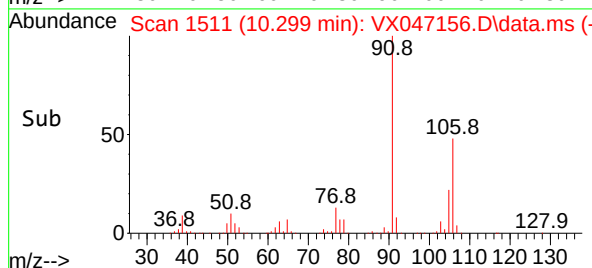
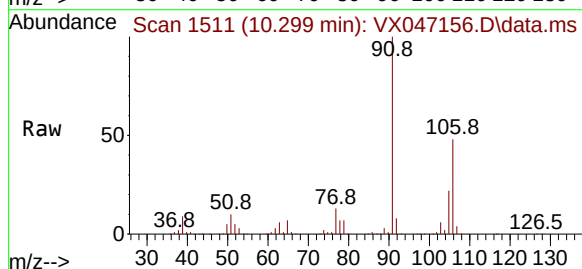
Acq: 28 Jul 2025 11:11

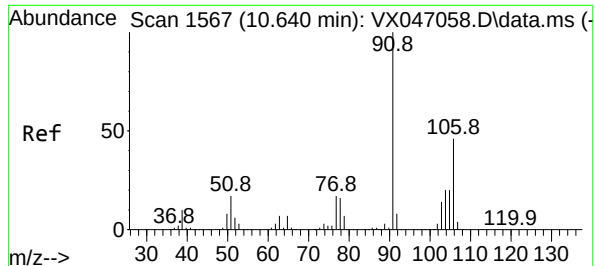
Tgt Ion:106 Resp: 260560

Ion Ratio Lower Upper

106 100

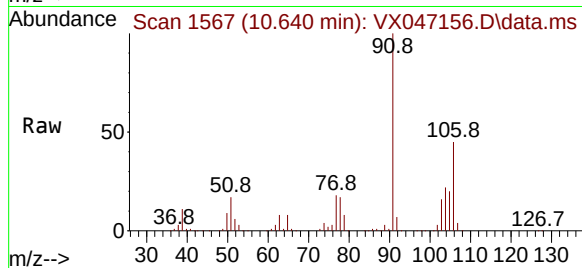
91 207.6 167.4 251.0





#69
o-Xylene
Concen: 19.093 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

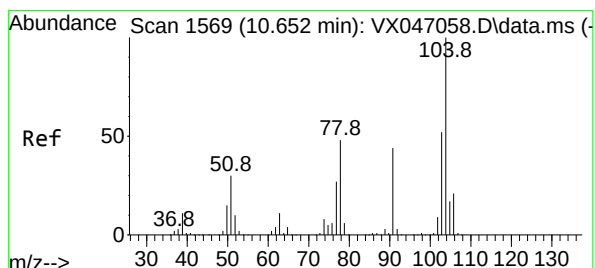
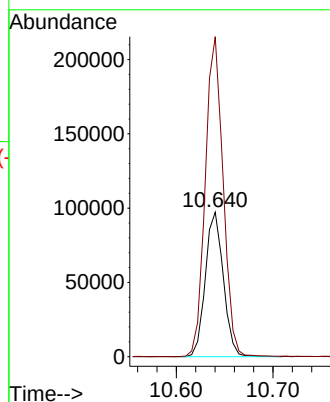
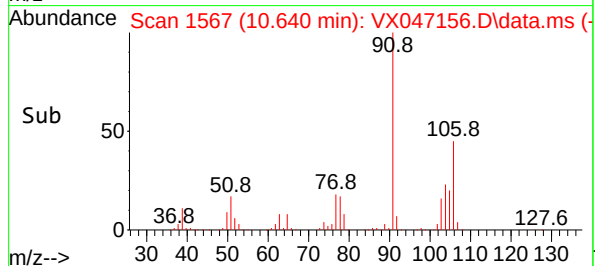
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion:106 Resp: 126089
Ion Ratio Lower Upper
106 100
91 220.4 110.3 331.0

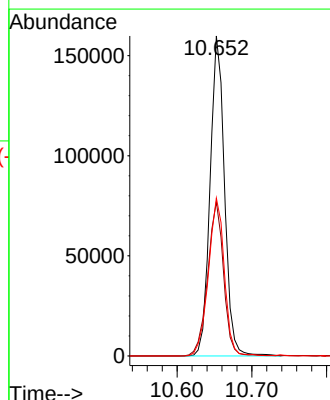
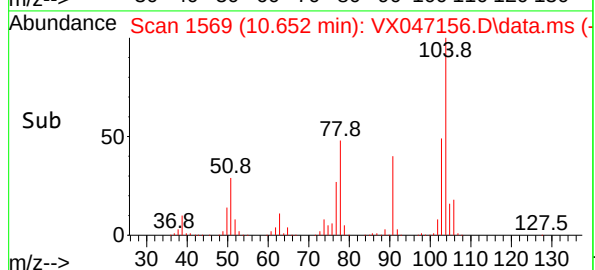
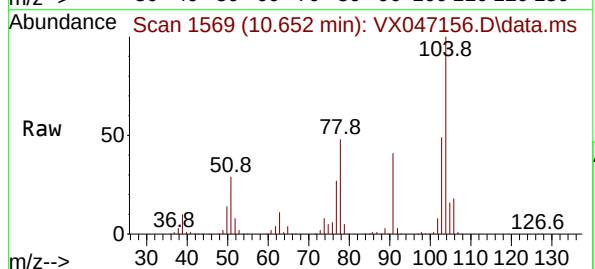
Manual Integrations
APPROVED

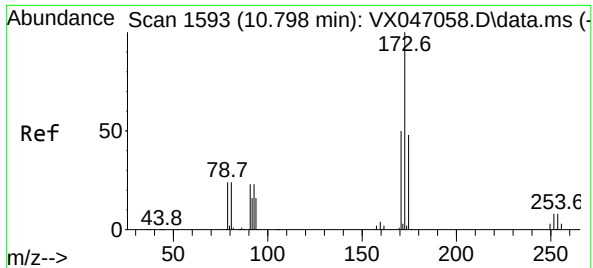
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#70
Styrene
Concen: 18.955 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

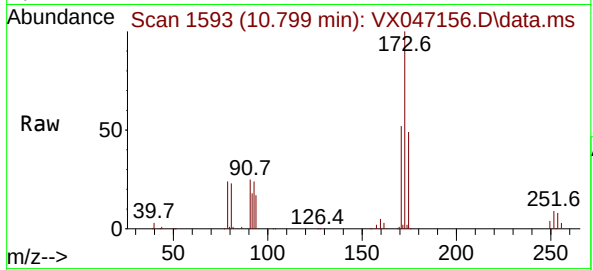
Tgt Ion:104 Resp: 214649
Ion Ratio Lower Upper
104 100
78 53.1 42.0 63.0
103 54.4 43.8 65.6





#71
Bromoform
Concen: 19.891 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

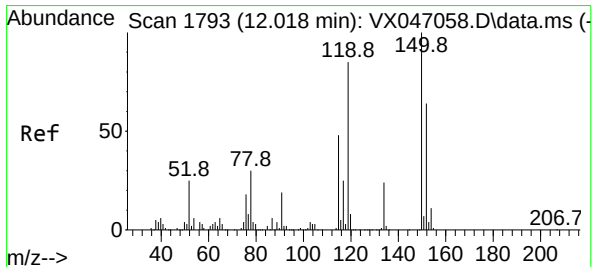
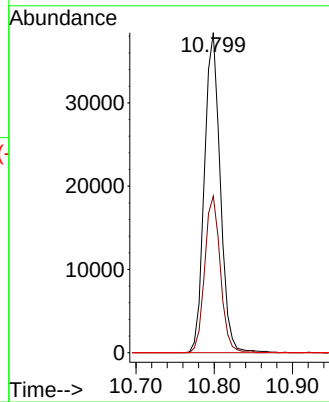
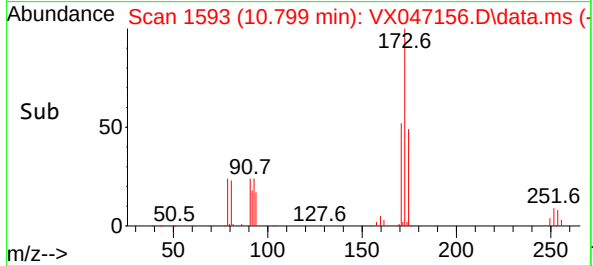
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



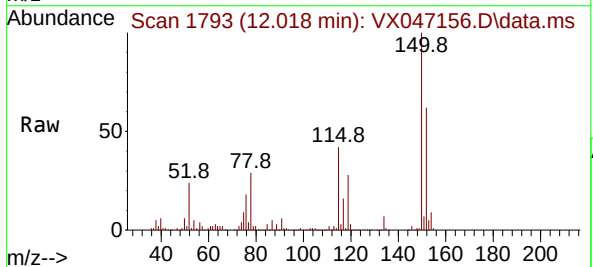
Tgt Ion:173 Resp: 5397
Ion Ratio Lower Upper
173 100
175 48.3 24.2 72.6
254 0.0 0.1 0.1

Manual Integrations
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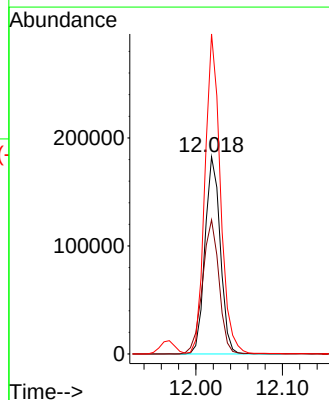
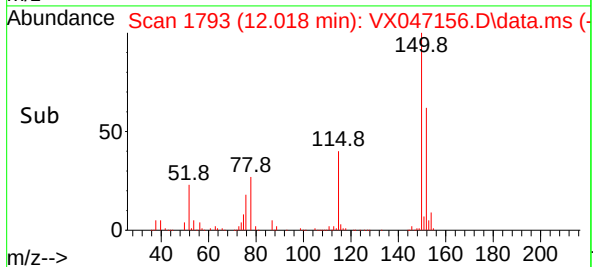
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025

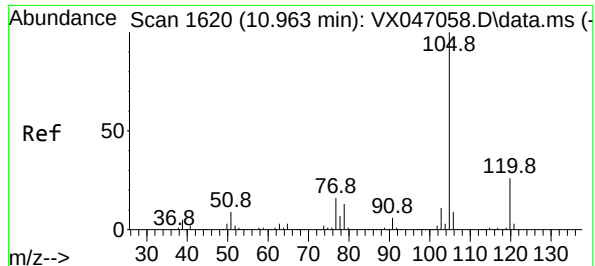


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11



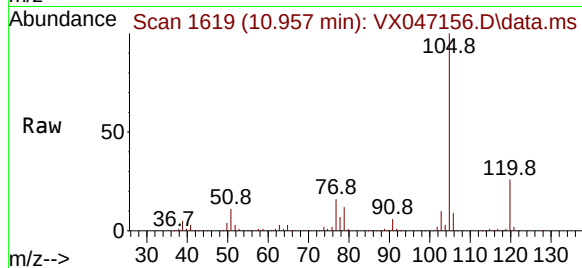
Tgt Ion:152 Resp: 223131
Ion Ratio Lower Upper
152 100
115 73.7 45.6 136.7
150 164.1 0.0 354.6





#73
Isopropylbenzene
Concen: 18.919 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

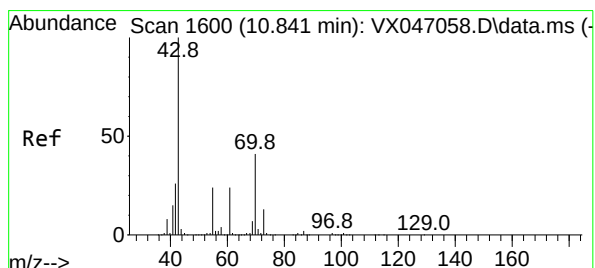
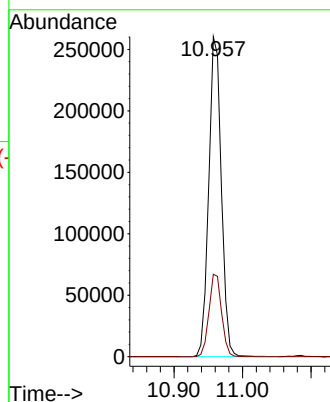
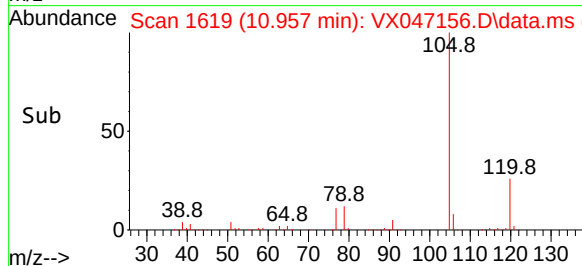
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion: 105 Resp: 33303
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.7

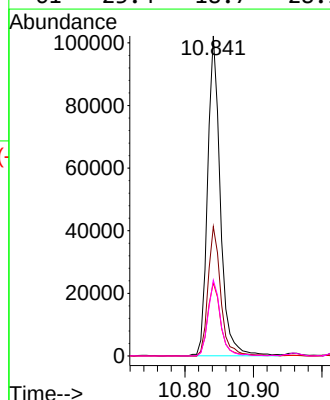
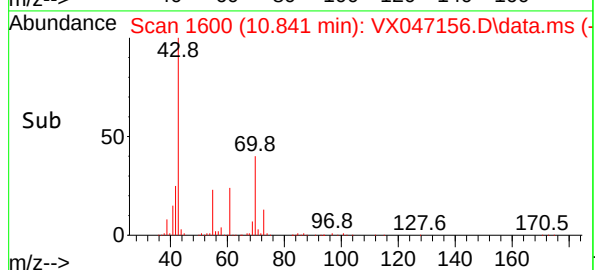
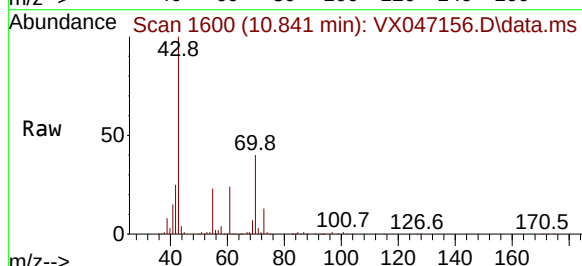
Manual Integrations
APPROVED

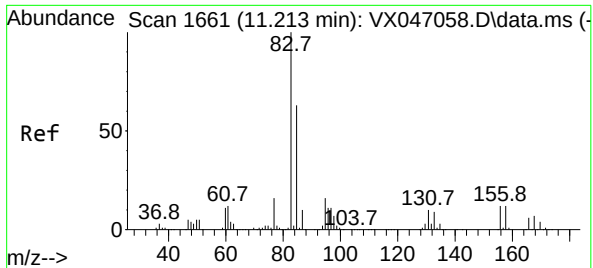
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#74
N-ethyl acetate
Concen: 18.576 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion: 43 Resp: 131941
Ion Ratio Lower Upper
43 100
70 40.4 32.3 48.5
55 23.5 18.9 28.3
61 23.4 18.7 28.1





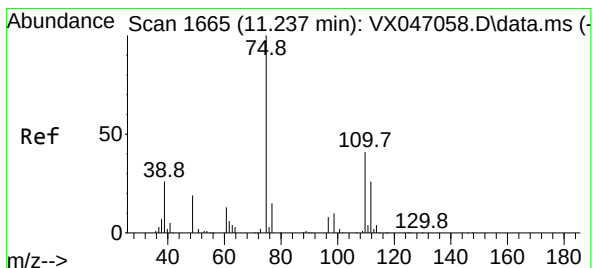
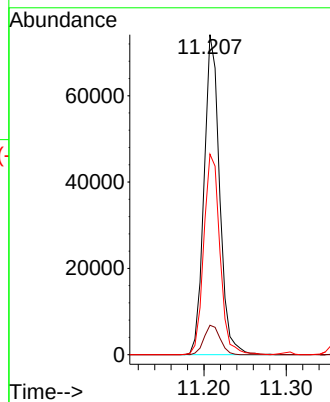
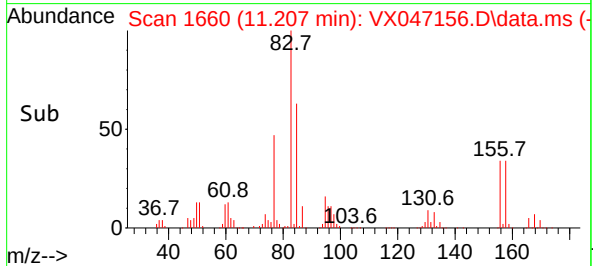
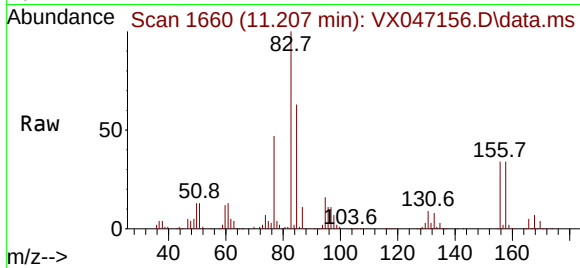
#75
1,1,2,2-Tetrachloroethane
Concen: 19.328 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01

Tgt Ion: 83 Resp: 97190
Ion Ratio Lower Upper
83 100
131 9.6 5.0 14.9
85 65.2 32.0 96.2

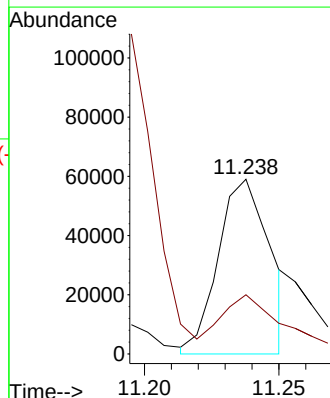
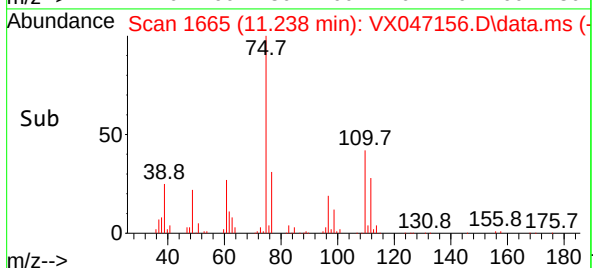
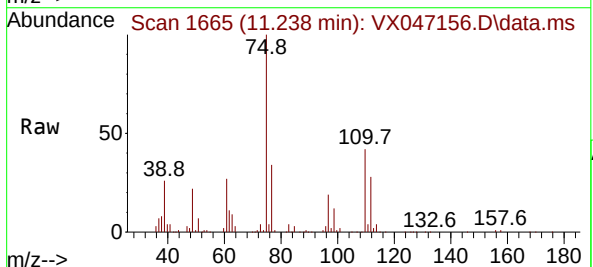
Manual Integrations
APPROVED

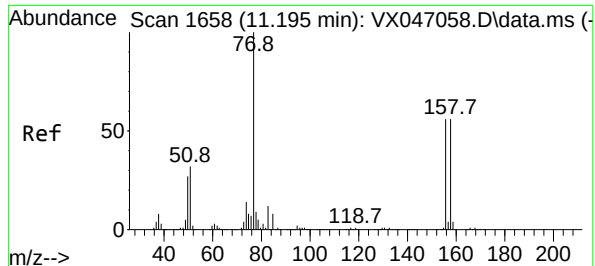
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#76
1,2,3-Trichloropropane
Concen: 19.039 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion: 75 Resp: 78631
Ion Ratio Lower Upper
75 100
77 42.1 21.6 65.0





#77

Bromobenzene

Concen: 18.750 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion:156 Resp: 79168

Ion Ratio Lower Upper

156 100

77 173.8 87.3 261.9

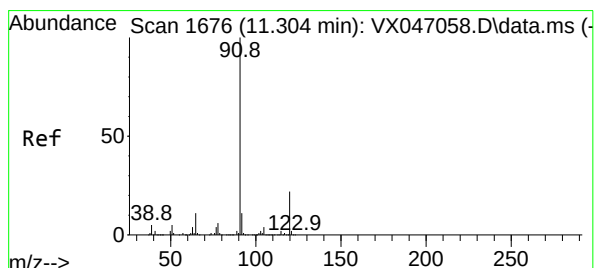
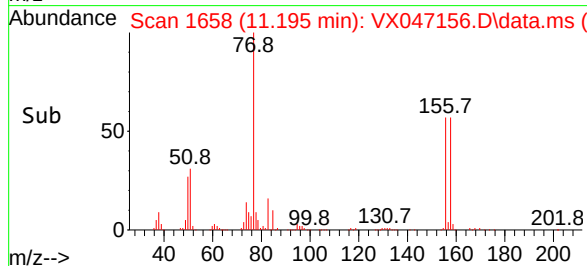
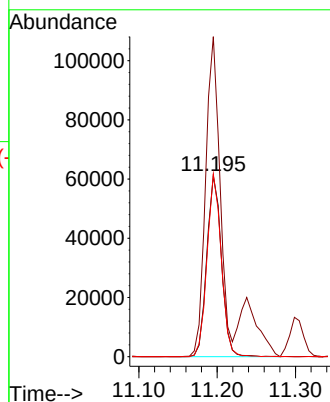
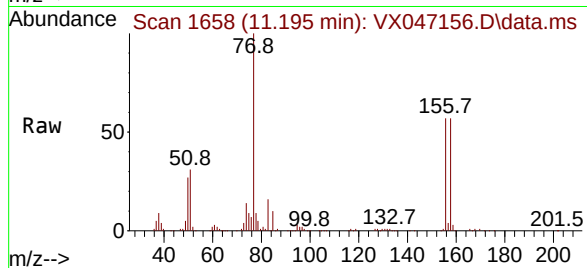
158 98.5 48.9 146.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#78

n-propylbenzene

Concen: 18.826 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.006 min

Lab File: VX047156.D

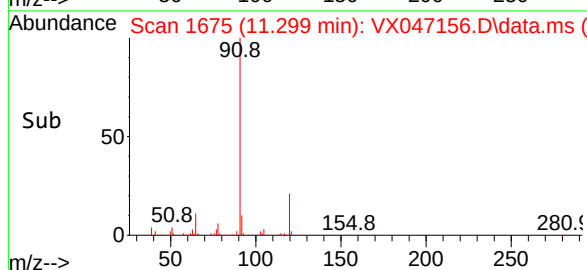
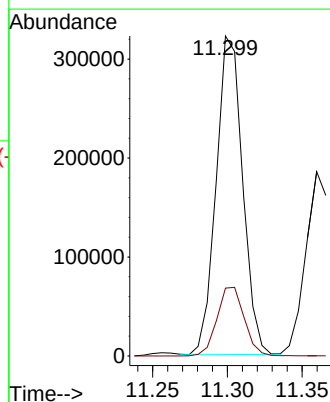
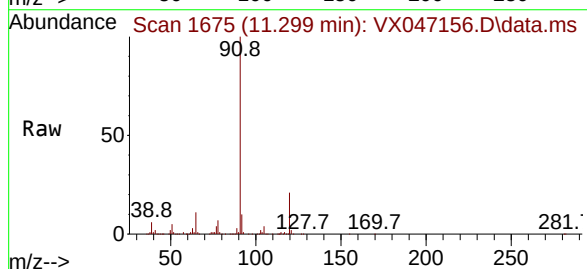
Acq: 28 Jul 2025 11:11

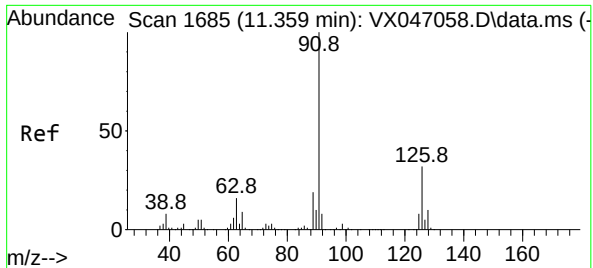
Tgt Ion: 91 Resp: 396034

Ion Ratio Lower Upper

91 100

120 22.3 11.0 33.0





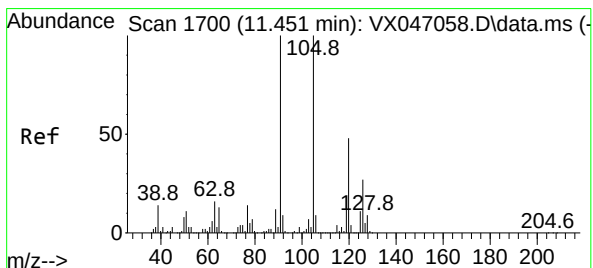
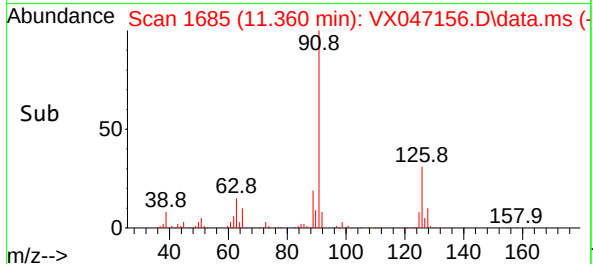
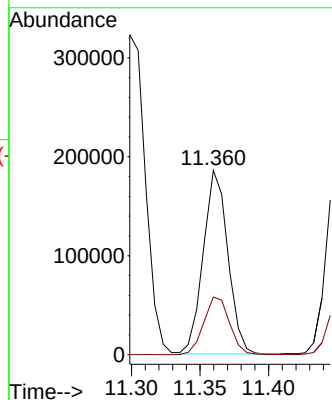
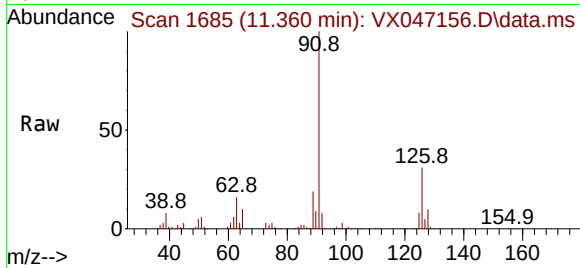
#79
2-Chlorotoluene
Concen: 18.395 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01

Tgt Ion: 91 Resp: 231310
Ion Ratio Lower Upper
91 100
126 33.1 16.4 49.4

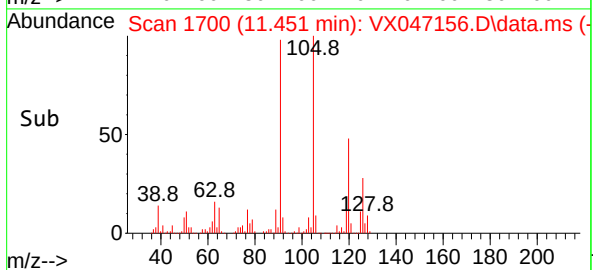
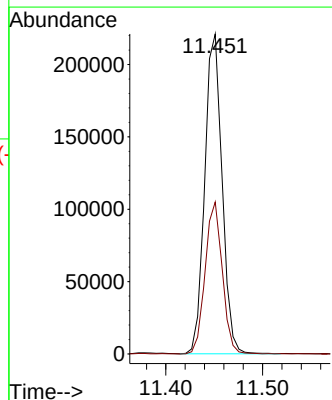
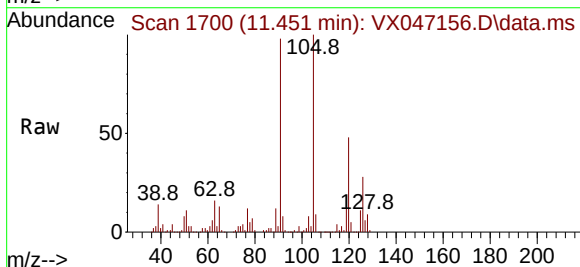
Manual Integrations
APPROVED

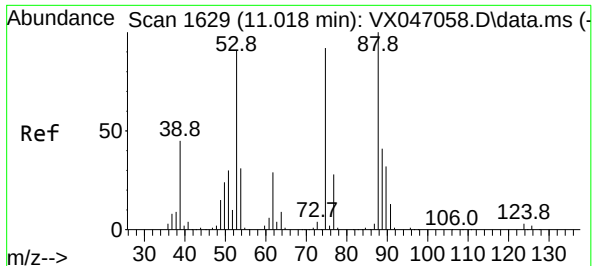
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#80
1,3,5-Trimethylbenzene
Concen: 19.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

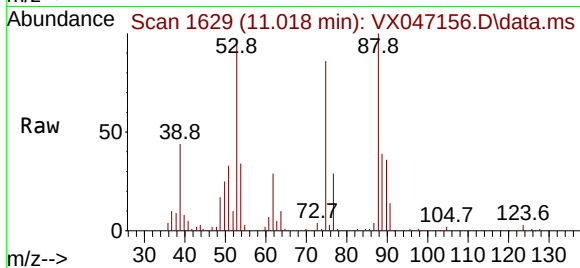
Tgt Ion:105 Resp: 276459
Ion Ratio Lower Upper
105 100
120 47.0 23.8 71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 13.214 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

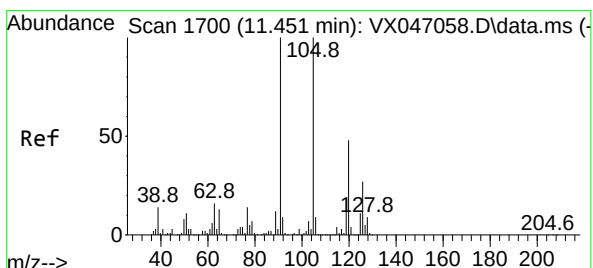
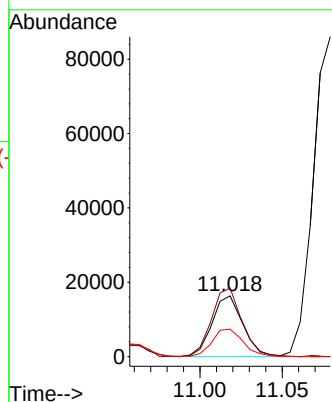
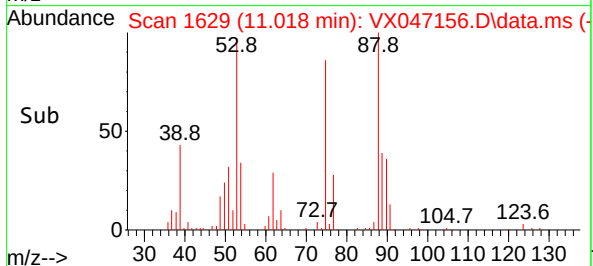
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion: 75 Resp: 2118
Ion Ratio Lower Upper
75 100
53 112.6 84.2 126.4
89 46.0 36.0 54.0

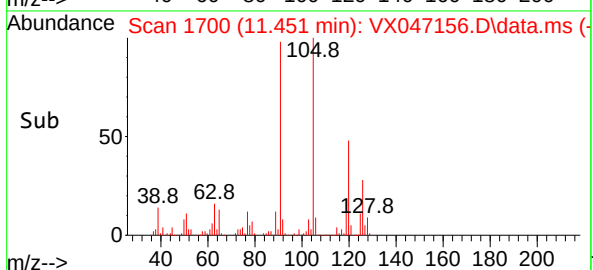
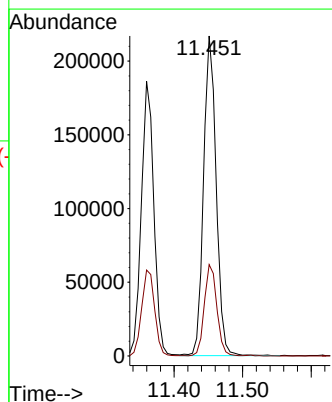
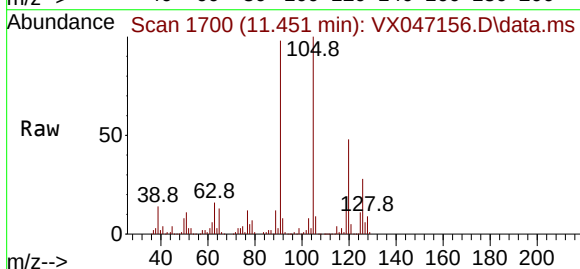
Manual Integrations
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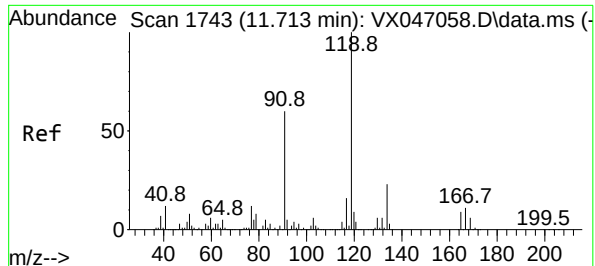
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#82
4-Chlorotoluene
Concen: 18.959 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion: 91 Resp: 278273
Ion Ratio Lower Upper
91 100
126 28.1 14.1 42.3





#83

tert-Butylbenzene

Concen: 19.208 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion:119 Resp: 28038

Ion Ratio Lower Upper

119 100

91 59.7 29.6 88.8

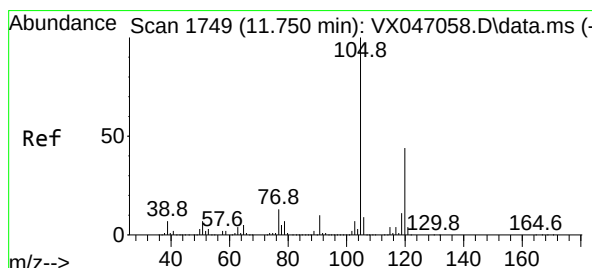
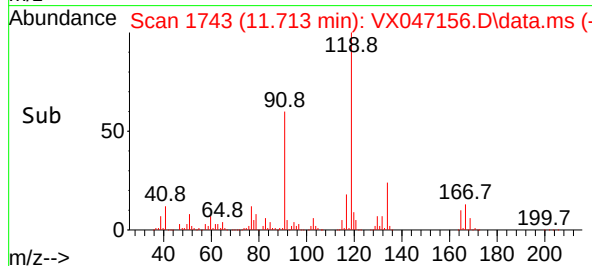
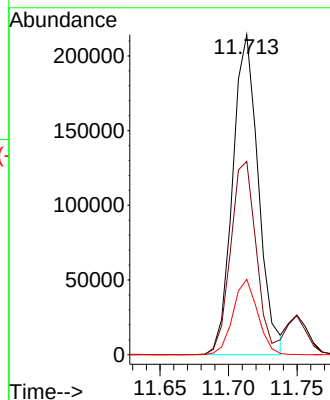
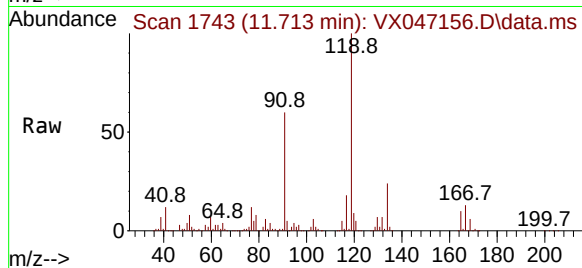
134 22.7 11.4 34.1

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.219 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX047156.D

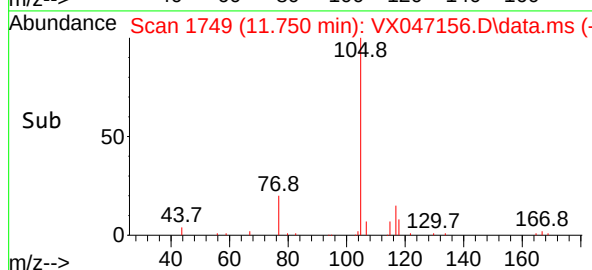
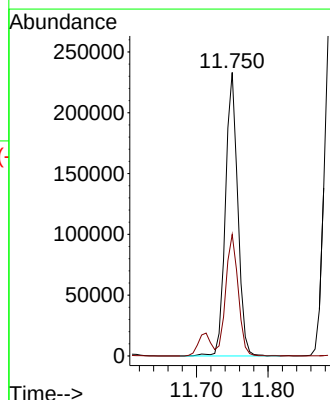
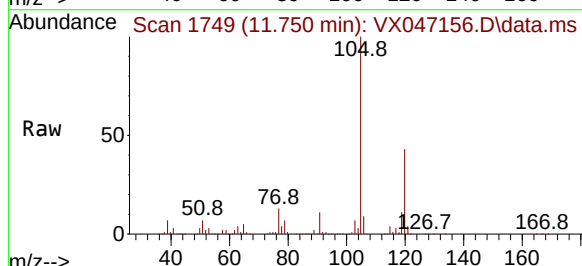
Acq: 28 Jul 2025 11:11

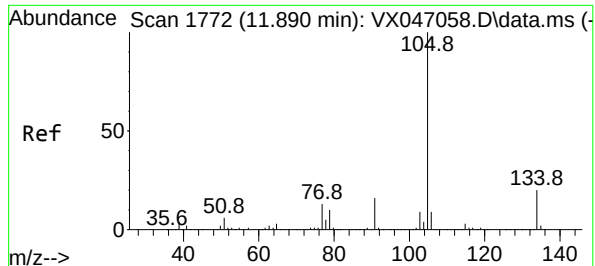
Tgt Ion:105 Resp: 278783

Ion Ratio Lower Upper

105 100

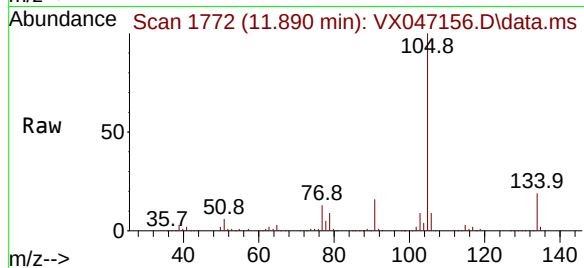
120 43.1 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 19.145 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX047156.D
 Acq: 28 Jul 2025 11:11

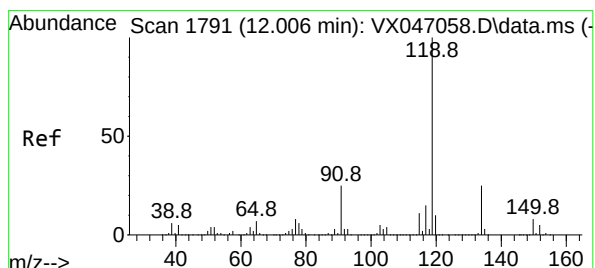
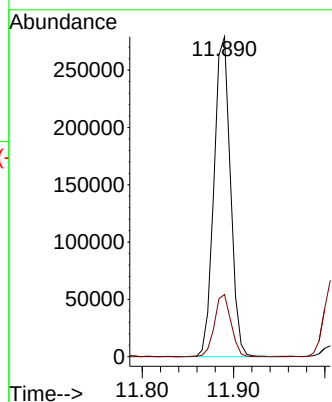
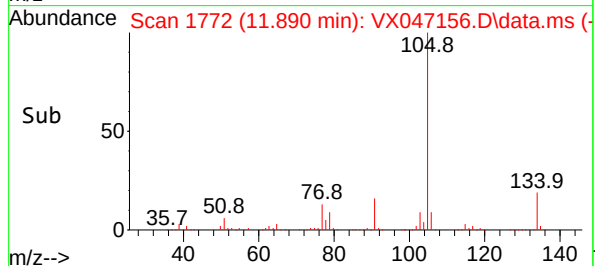
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0728WBSD01



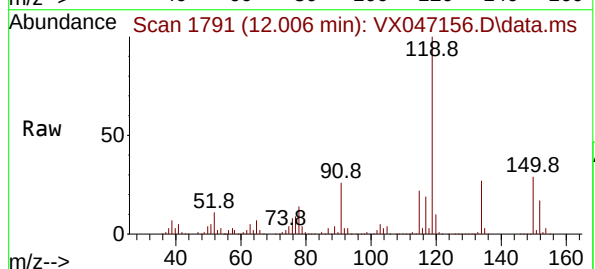
Tgt Ion:105 Resp: 349178
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.9 29.7

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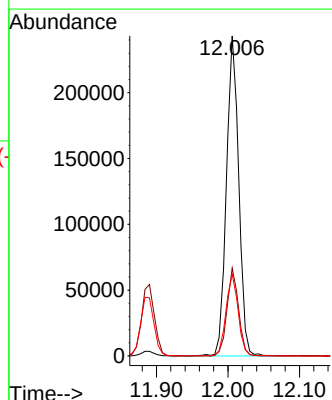
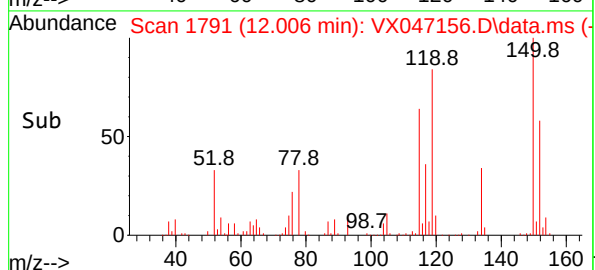
Reviewed By :John Carlone 07/29/2025
 Supervised By :Mahesh Dadoda 07/29/2025

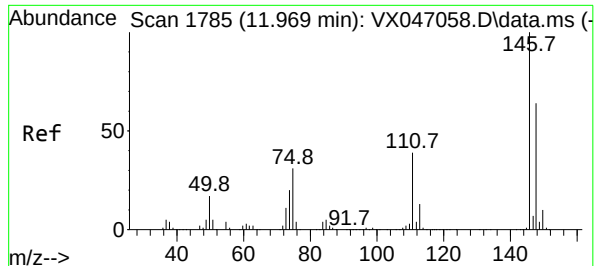


#86
 p-Isopropyltoluene
 Concen: 19.225 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX047156.D
 Acq: 28 Jul 2025 11:11



Tgt Ion:119 Resp: 290764
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.4
 91 25.3 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 18.882 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion:146 Resp: 15148

Ion Ratio Lower Upper

146 100

111 41.7 21.0 63.0

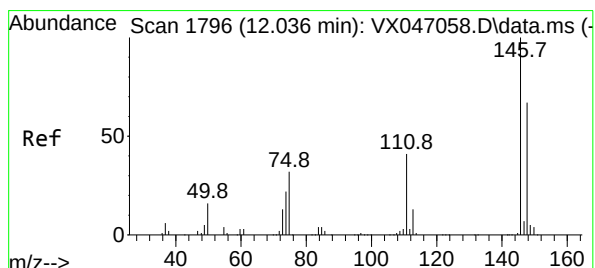
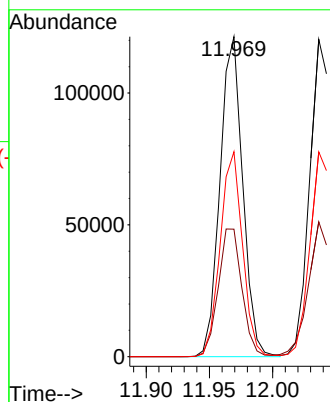
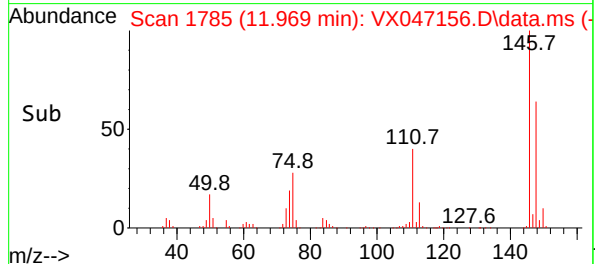
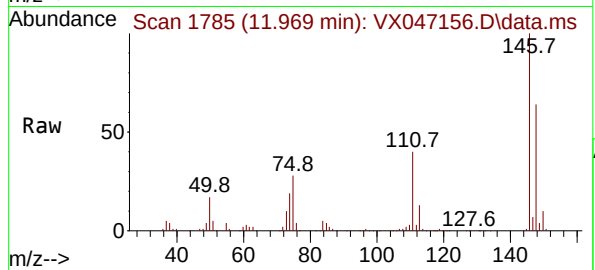
148 63.0 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#88

1,4-Dichlorobenzene

Concen: 18.637 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

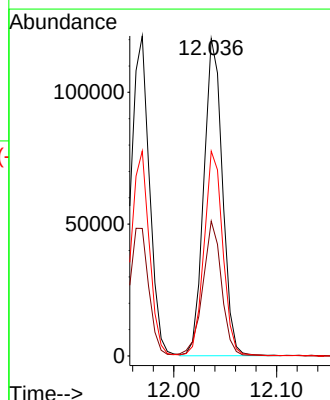
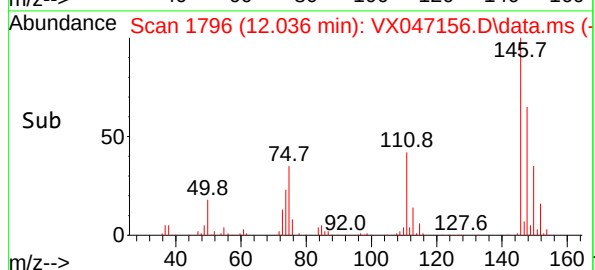
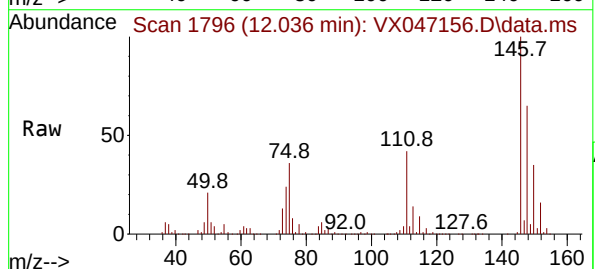
Tgt Ion:146 Resp: 151486

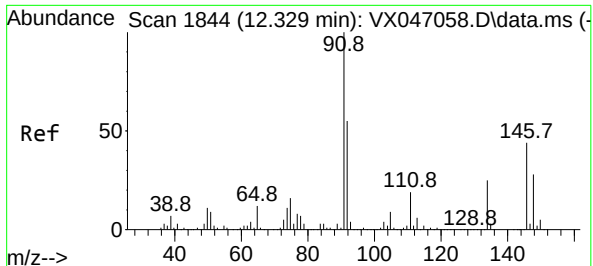
Ion Ratio Lower Upper

146 100

111 42.9 20.6 61.9

148 65.0 33.0 98.9





#89

n-Butylbenzene

Concen: 19.367 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion: 91 Resp: 27470

Ion Ratio Lower Upper

91 100

92 53.9 27.5 82.5

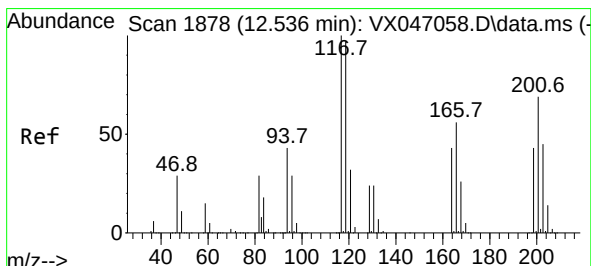
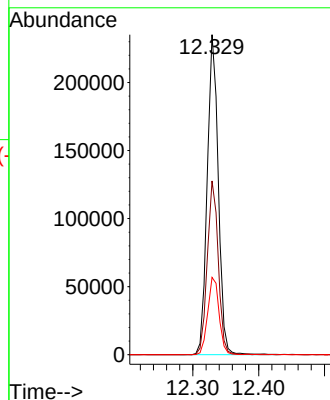
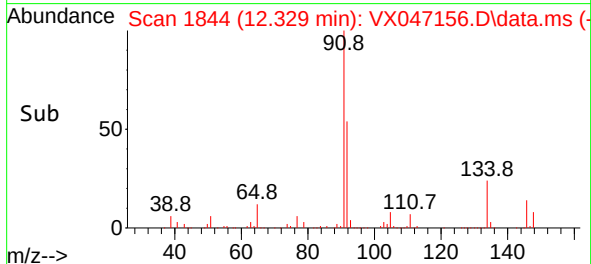
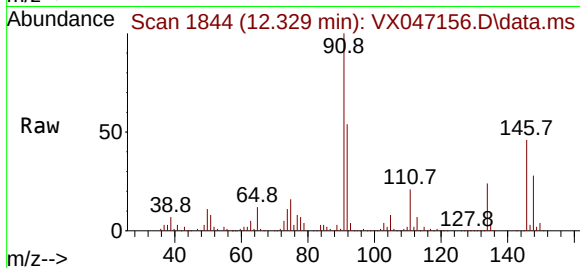
134 24.9 12.8 38.3

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#90

Hexachloroethane

Concen: 19.466 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX047156.D

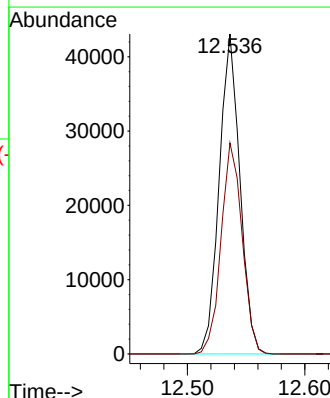
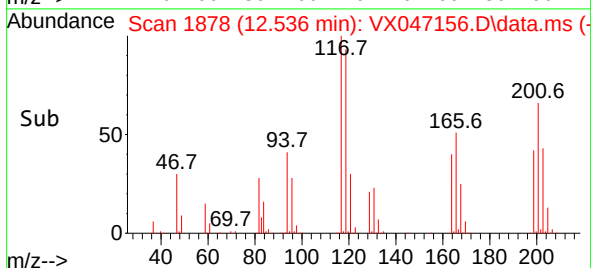
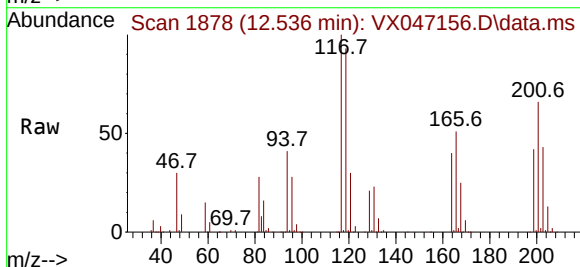
Acq: 28 Jul 2025 11:11

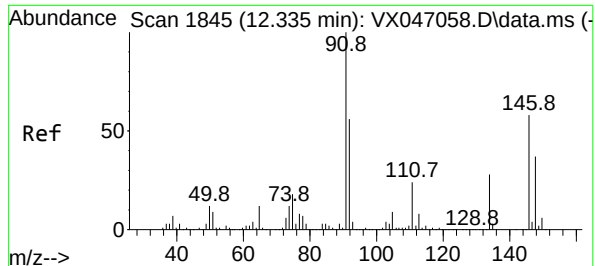
Tgt Ion:117 Resp: 52669

Ion Ratio Lower Upper

117 100

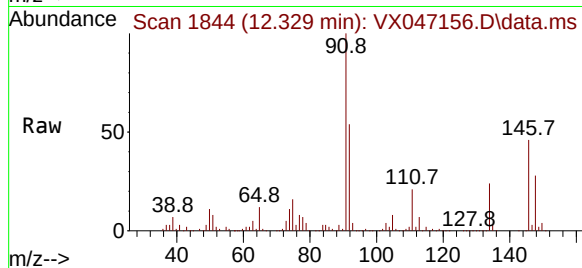
201 67.4 34.8 104.5





#91
1,2-Dichlorobenzene
Concen: 18.642 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

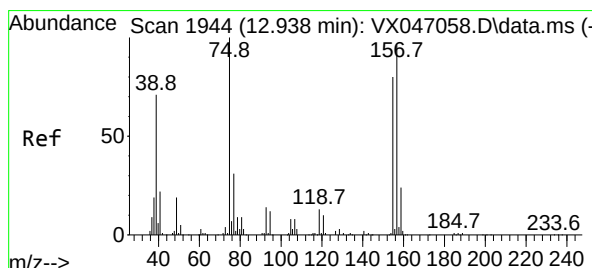
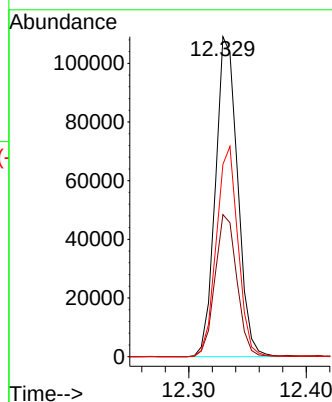
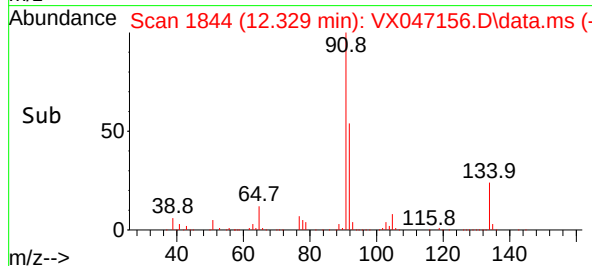
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion:146 Resp: 14294
Ion Ratio Lower Upper
146 100
111 44.2 21.6 64.6
148 64.2 31.9 95.7

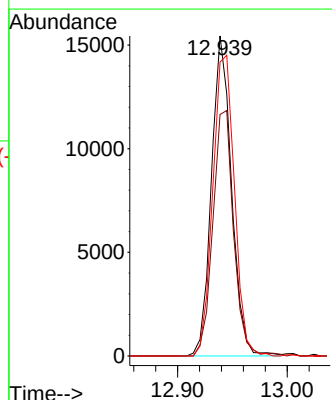
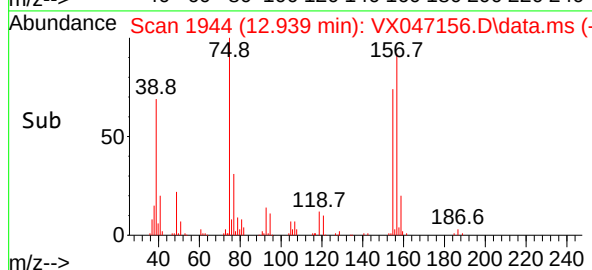
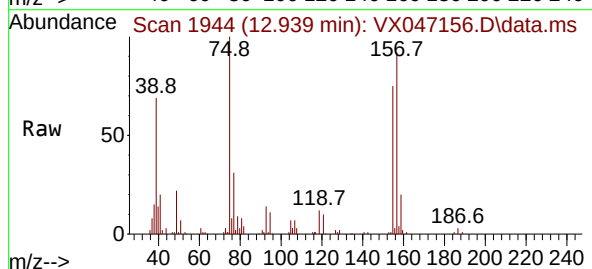
Manual Integrations
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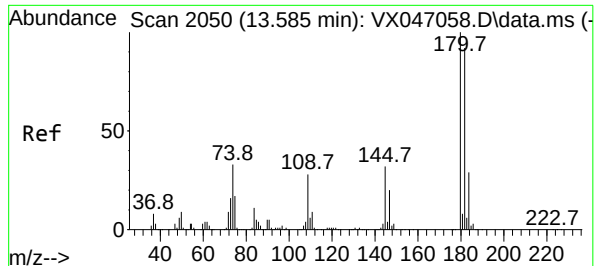
Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.364 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion: 75 Resp: 19656
Ion Ratio Lower Upper
75 100
155 79.4 41.3 124.1
157 101.2 52.8 158.3





#93

1,2,4-Trichlorobenzene

Concen: 19.192 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VX0728WBSD01

Tgt Ion:180 Resp: 9722

Ion Ratio Lower Upper

180 100

182 95.0 47.3 141.8

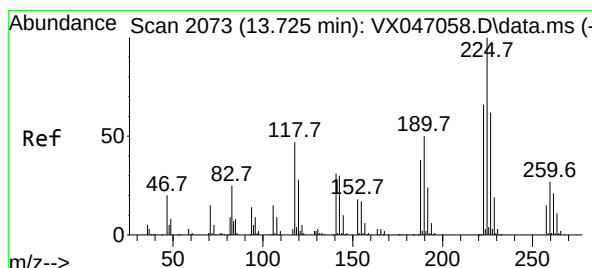
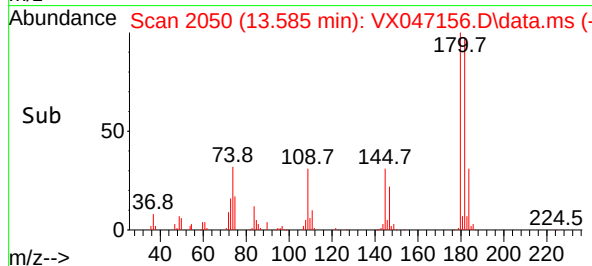
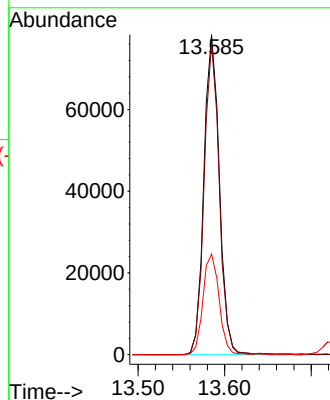
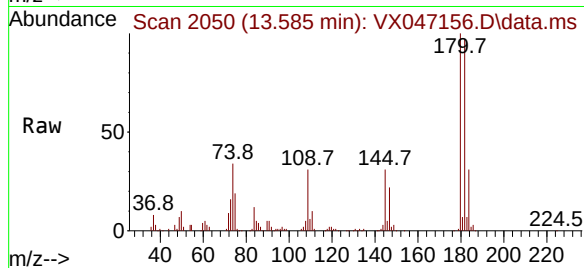
145 32.6 16.4 49.1

Manual Integrations

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Reviewed By :John Carlone 07/29/2025

Supervised By :Mahesh Dadoda 07/29/2025



#94

Hexachlorobutadiene

Concen: 21.327 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX047156.D

Acq: 28 Jul 2025 11:11

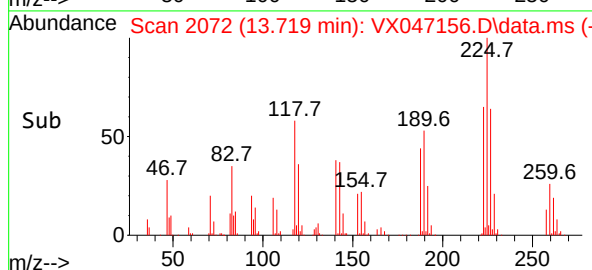
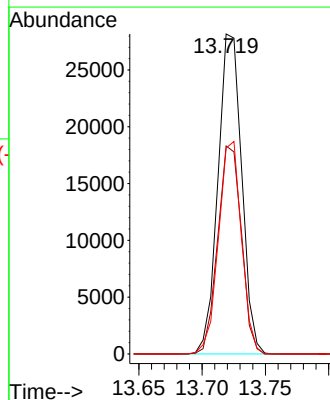
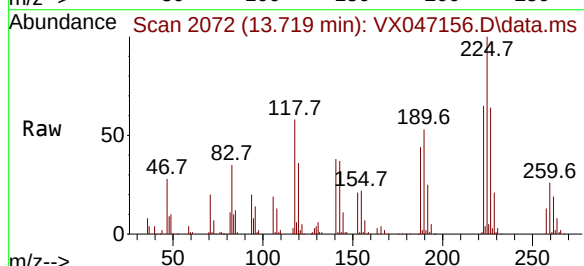
Tgt Ion:225 Resp: 36745

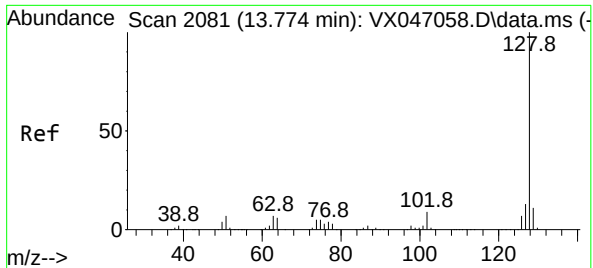
Ion Ratio Lower Upper

225 100

223 64.6 31.6 95.0

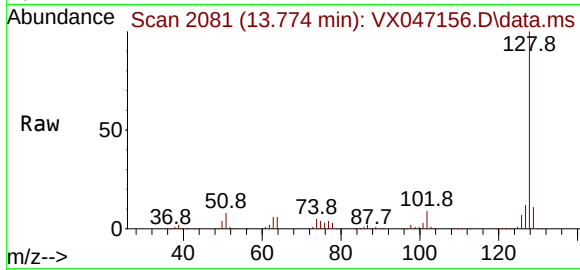
227 64.0 32.9 98.6





#95
Naphthalene
Concen: 19.742 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

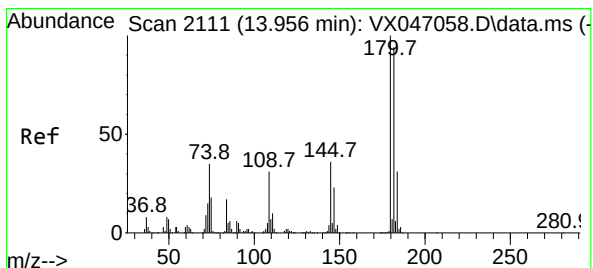
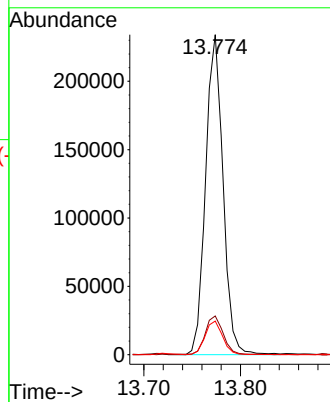
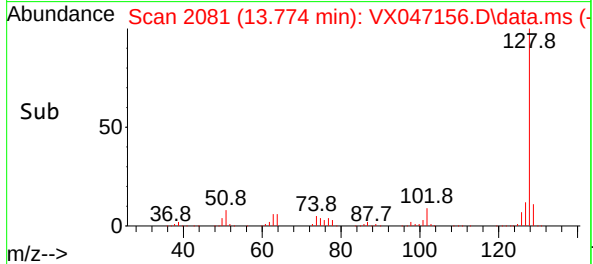
Instrument :
MSVOA_X
ClientSampleId :
VX0728WBSD01



Tgt Ion:128 Resp: 293199
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.7 8.6 13.0

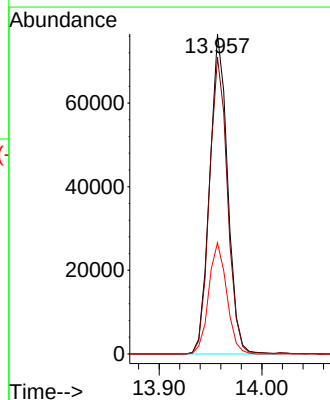
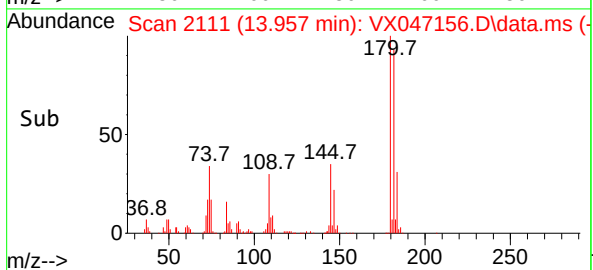
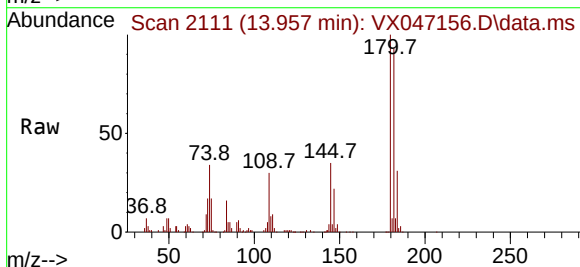
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Reviewed By :John Carlone 07/29/2025
Supervised By :Mahesh Dadoda 07/29/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.047 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047156.D
Acq: 28 Jul 2025 11:11

Tgt Ion:180 Resp: 92962
Ion Ratio Lower Upper
180 100
182 93.4 46.9 140.6
145 34.9 17.3 52.0



Manual Integration Report

Sequence:	VX072125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047055.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	1,4-Dichlorobenzene	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	1,4-Dioxane	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	Ethyl Acetate	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	Methyl methacrylate	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	N-amyl acetate	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC005	VX047056.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:10 AM	MMDadoda	7/22/2025 1:41:02 PM	Peak Integrated by Software
VSTDICC005	VX047056.D	Ethyl Acetate	JOHN	7/22/2025 8:50:10 AM	MMDadoda	7/22/2025 1:41:02 PM	Peak Integrated by Software
VSTDICC020	VX047057.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:18 AM	MMDadoda	7/22/2025 1:41:03 PM	Peak Integrated by Software
VSTDICCC050	VX047058.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:23 AM	MMDadoda	7/22/2025 1:41:05 PM	Peak Integrated by Software
VSTDICC100	VX047059.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:28 AM	MMDadoda	7/22/2025 1:41:08 PM	Peak Integrated by Software
VSTDICC150	VX047060.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:32 AM	MMDadoda	7/22/2025 1:41:09 PM	Peak Integrated by Software
VSTDICV050	VX047062.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:40 AM	MMDadoda	7/22/2025 1:41:11 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VX072125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX047062.D	1,4-Dioxane	JOHN	7/22/2025 8:50:40 AM	MMDadoda	7/22/2025 1:41:11 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX072825

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047152.D	1,2,3-Trichloropropane	JOHN	7/29/2025 8:40:30 AM	MMDadoda	7/29/2025 12:09:00 PM	Peak Integrated by Software
VSTDCCC050	VX047152.D	Methacrylonitrile	JOHN	7/29/2025 8:40:30 AM	MMDadoda	7/29/2025 12:09:00 PM	Peak Integrated by Software
VX0728WBS01	VX047155.D	1,2,3-Trichloropropane	JOHN	7/29/2025 8:40:34 AM	MMDadoda	7/29/2025 12:09:02 PM	Peak Integrated by Software
VX0728WBSD01	VX047156.D	1,2,3-Trichloropropane	JOHN	7/29/2025 8:40:38 AM	MMDadoda	7/29/2025 12:09:04 PM	Peak Integrated by Software
VSTDCCC050	VX047169.D	1,2,3-Trichloropropane	JOHN	7/29/2025 8:41:02 AM	MMDadoda	7/29/2025 12:09:13 PM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX072125

Review By	John Carlone	Review On	7/22/2025 8:51:02 AM
Supervise By	Maresh Dadoda	Supervise On	7/22/2025 1:41:20 PM
SubDirectory	VX072125	HP Acquire Method	HP Processing Method 82X072125W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134843		
Initial Calibration Stds	VP134844,VP134845,VP134846,VP134847,VP134848,VP134849		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP134850		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047054.D	21 Jul 2025 08:53	JC/MD	Ok
2	VSTDIC001	VX047055.D	21 Jul 2025 09:47	JC/MD	Ok,M
3	VSTDIC005	VX047056.D	21 Jul 2025 10:08	JC/MD	Ok,M
4	VSTDIC020	VX047057.D	21 Jul 2025 10:29	JC/MD	Ok,M
5	VSTDIC050	VX047058.D	21 Jul 2025 10:50	JC/MD	Ok,M
6	VSTDIC100	VX047059.D	21 Jul 2025 11:11	JC/MD	Ok,M
7	VSTDIC150	VX047060.D	21 Jul 2025 11:32	JC/MD	Ok,M
8	IBLK	VX047061.D	21 Jul 2025 11:52	JC/MD	Ok
9	VSTDICV050	VX047062.D	21 Jul 2025 13:17	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX072825

Review By	John Carlone	Review On	7/29/2025 8:49:52 AM
Supervise By	Maresh Dadoda	Supervise On	7/29/2025 12:09:18 PM
SubDirectory	VX072825	HP Acquire Method	HP Processing Method 82X072125W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134919		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134920,VP134921		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047151.D	28 Jul 2025 08:52	JC/MD	Ok
2	VSTDCCC050	VX047152.D	28 Jul 2025 09:23	JC/MD	Ok,M
3	VX0728MBL01	VX047153.D	28 Jul 2025 09:58	JC/MD	Ok
4	VX0728WBL01	VX047154.D	28 Jul 2025 10:19	JC/MD	Ok
5	VX0728WBS01	VX047155.D	28 Jul 2025 10:45	JC/MD	Ok,M
6	VX0728WBSD01	VX047156.D	28 Jul 2025 11:11	JC/MD	Ok,M
7	IBLK	VX047157.D	28 Jul 2025 11:32	JC/MD	Ok
8	Q2693-01	VX047158.D	28 Jul 2025 11:53	JC/MD	Ok
9	Q2693-02	VX047159.D	28 Jul 2025 12:20	JC/MD	Ok
10	Q2693-03	VX047160.D	28 Jul 2025 13:16	JC/MD	Ok
11	PB169005TB	VX047161.D	28 Jul 2025 13:42	JC/MD	Ok
12	Q2681-01	VX047162.D	28 Jul 2025 14:03	JC/MD	Dilution
13	Q2691-02	VX047163.D	28 Jul 2025 14:24	JC/MD	Ok
14	Q2691-08	VX047164.D	28 Jul 2025 14:46	JC/MD	Ok,M
15	Q2681-01DL	VX047165.D	28 Jul 2025 15:07	JC/MD	Ok
16	Q2706-02	VX047166.D	28 Jul 2025 15:28	JC/MD	Ok,M
17	Q2706-04	VX047167.D	28 Jul 2025 15:50	JC/MD	Ok,M
18	Q2703-04	VX047168.D	28 Jul 2025 16:11	JC/MD	Ok,M
19	VSTDCCC050	VX047169.D	28 Jul 2025 16:39	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX072125

Review By	John Carlone	Review On	7/22/2025 8:51:02 AM
Supervise By	Maresh Dadoda	Supervise On	7/22/2025 1:41:20 PM
SubDirectory	VX072125	HP Acquire Method	HP Processing Method 82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134843
Initial Calibration Stds	VP134844,VP134845,VP134846,VP134847,VP134848,VP134849
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134850
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047054.D	21 Jul 2025 08:53		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047055.D	21 Jul 2025 09:47		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX047056.D	21 Jul 2025 10:08	Comp. #11 is on Linear Regression	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047057.D	21 Jul 2025 10:29		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047058.D	21 Jul 2025 10:50		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047059.D	21 Jul 2025 11:11		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047060.D	21 Jul 2025 11:32		JC/MD	Ok,M
8	IBLK	IBLK	VX047061.D	21 Jul 2025 11:52		JC/MD	Ok
9	VSTDICV050	ICVVX072125	VX047062.D	21 Jul 2025 13:17		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX072825

Review By	John Carlone	Review On	7/29/2025 8:49:52 AM
Supervise By	Maresh Dadoda	Supervise On	7/29/2025 12:09:18 PM
SubDirectory	VX072825	HP Acquire Method	HP Processing Method 82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134919
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134920,VP134921

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047151.D	28 Jul 2025 08:52		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047152.D	28 Jul 2025 09:23	pH#Lot#V12668	JC/MD	Ok,M
3	VX0728MBL01	VX0728MBL01	VX047153.D	28 Jul 2025 09:58		JC/MD	Ok
4	VX0728WBL01	VX0728WBL01	VX047154.D	28 Jul 2025 10:19		JC/MD	Ok
5	VX0728WBS01	VX0728WBS01	VX047155.D	28 Jul 2025 10:45		JC/MD	Ok,M
6	VX0728WBSD01	VX0728WBSD01	VX047156.D	28 Jul 2025 11:11		JC/MD	Ok,M
7	IBLK	IBLK	VX047157.D	28 Jul 2025 11:32		JC/MD	Ok
8	Q2693-01	STORAGE-BLANK-SO	VX047158.D	28 Jul 2025 11:53	vial B pH<2	JC/MD	Ok
9	Q2693-02	STORAGE-BLANK-WA	VX047159.D	28 Jul 2025 12:20	vial B pH<2	JC/MD	Ok
10	Q2693-03	STORAGE-BLANK-WA	VX047160.D	28 Jul 2025 13:16	vial B pH<2	JC/MD	Ok
11	PB169005TB	PB169005TB	VX047161.D	28 Jul 2025 13:42		JC/MD	Ok
12	Q2681-01	NYPA-POUCH-SPENT	VX047162.D	28 Jul 2025 14:03	vial A pH#5.0 Surrogate fail;Need 5X	JC/MD	Dilution
13	Q2691-02	295	VX047163.D	28 Jul 2025 14:24	vial A pH#5.0	JC/MD	Ok
14	Q2691-08	299	VX047164.D	28 Jul 2025 14:46	vial A pH#5.0	JC/MD	Ok,M
15	Q2681-01DL	NYPA-POUCH-SPENT	VX047165.D	28 Jul 2025 15:07	vial B pH#5.0	JC/MD	Ok
16	Q2706-02	RT-5417	VX047166.D	28 Jul 2025 15:28	vial A pH#5.0	JC/MD	Ok,M
17	Q2706-04	ETGI-361	VX047167.D	28 Jul 2025 15:50	vial A pH#5.0	JC/MD	Ok,M

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX072825

Review By	John Carlone	Review On	7/29/2025 8:49:52 AM
Supervise By	Maresh Dadoda	Supervise On	7/29/2025 12:09:18 PM
SubDirectory	VX072825	HP Acquire Method	HP Processing Method 82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134919
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134920,VP134921

18	Q2703-04	TP-4	VX047168.D	28 Jul 2025 16:11	vial A pH#5.0	JC/MD	Ok,M
19	VSTDCCC050	VSTDCCC050EC	VX047169.D	28 Jul 2025 16:39		JC/MD	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-16

SDG No : N/A

Welgh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1

TCLP Filter ID : 50223706

Start Prep Date : 07/25/2025 Time : 15:00

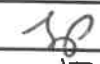
End Prep Date : 07/26/2025 Time : 08:20

Combination Ratio : 20

ZHE Cleaning Batch : ⁷⁸N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : 

Supervisor By : 

Standarded Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112804
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	430992	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 minutes of tumbling. TUMBLER
ZHE-1 checked, 30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/28/25 09:30	 / CLP Room	S.Y. / INOC Lab
	Preparation Group	Analysis Group

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB169005TB	LEB005	07	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-1
Q2681-01	NYPA-POUCH-SPENT-CARBON	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2691-02	295	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2691-08	299	03	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2703-04	TP-4	04	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2706-02	RT-5417	05	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2706-04	ETGI-361	06	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169005TB	LEB005	N/A	N/A	N/A	N/A	N/A	N/A
Q2681-01	NYPA-POUCH-SPENT-CARBON	N/A	N/A	N/A	N/A	100	N/A
Q2691-02	295	N/A	N/A	N/A	N/A	100	N/A
Q2691-08	299	N/A	N/A	N/A	N/A	100	N/A
Q2703-04	TP-4	N/A	N/A	N/A	N/A	100	N/A
Q2706-02	RT-5417	N/A	N/A	N/A	N/A	100	N/A
Q2706-04	ETGI-361	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip zhe q2691		WorkList ID : 190959		Department : TCPLP Extraction		Date : 07-25-2025 11:31:28	
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample	
						Storage	Location
Q2681-01	NYPA-POUCH-SPENT-CARBO	Solid	TCPLP ZHE Extraction	Cool 4 deg C	CORE02	D21	07/23/2025 1311 ZHE
Q2691-02	295	Solid	TCPLP ZHE Extraction	Cool 4 deg C	PSEG03	D21	07/24/2025 1311 ZHE
Q2691-08	299	Solid	TCPLP ZHE Extraction	Cool 4 deg C	PSEG03	D21	07/24/2025 1311 ZHE
Q2703-04	TP-4	Solid	TCPLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	07/25/2025 1311 ZHE
Q2706-02	RT-5417	Solid	TCPLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	07/25/2025 1311 ZHE
Q2706-04	ETGI-361	Solid	TCPLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	07/25/2025 1311 ZHE

Date/Time 07/25/25 14:10
 Raw Sample Received by: SPWC
 Raw Sample Relinquished by: SPWC

Date/Time 07/25/25 17:30
 Raw Sample Received by: SPWC
 Raw Sample Relinquished by: SPWC



SHIPPING DOCUMENTS



BILLING INFORMATION

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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