

Cover Page

Order ID : Q1626

Project ID : Walsh CO-032 Sampling

Client : Walsh Construction Company II, LLC

Lab Sample Number

Q1626-01
Q1626-02
Q1626-03

Client Sample Number

CO-32-1
CO-32-1
CO-32-1

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: 3/28/2025

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 #: Q1626

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: PRADIP PRAJAPATI

Date: 03/28/2025

LAB CHRONICLE

OrderID:	Q1626	OrderDate:	3/21/2025 12:59:00 PM
Client:	Walsh Construction Company II, LLC	Project:	Walsh CO-032 Sampling
Contact:	Evelyne Benie Dion Gokan	Location:	F11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1626-01	CO-32-1	SOIL	VOC-TCLVOA-10	8260D	03/21/25		03/25/25	03/21/25
Q1626-02	CO-32-1	TCLP	TCLP VOA	8260D	03/21/25		03/25/25	03/21/25



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	CO-32-1							
Q1626-02	CO-32-1	TCLP	2-Butanone	11.1	J	0.98	25.0	ug/L
			Total Voc :	11.1				
			Total Concentration:	11.1				



QC SUMMARY

Surrogate Summary

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1626-02	CO-32-1	1,2-Dichloroethane-d4	50	56.5	113	74	125
		Dibromofluoromethane	50	51.2	102	75	124
		Toluene-d8	50	51.2	102	86	113
		4-Bromofluorobenzene	50	46.0	92	77	121

Surrogate Summary

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN0325WBL01	VN0325WBL01	1,2-Dichloroethane-d4	50	53.7	107	74	125
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	47.6	95	86	113
		4-Bromofluorobenzene	50	43.0	86	77	121
VN0325WBS01	VN0325WBS01	1,2-Dichloroethane-d4	50	51.8	104	74	125
		Dibromofluoromethane	50	53.1	106	75	124
		Toluene-d8	50	53.9	108	86	113
		4-Bromofluorobenzene	50	52.2	104	77	121
VN0325WBSD0	VN0325WBSD01	1,2-Dichloroethane-d4	50	52.4	105	74	125
		Dibromofluoromethane	50	51.4	103	75	124
		Toluene-d8	50	52.9	106	86	113
		4-Bromofluorobenzene	50	50.5	101	77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low

Datafile : VN086094.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0325WBS01	Vinyl chloride	20	20.7	ug/L	104			65	117	
	1,1-Dichloroethene	20	20.6	ug/L	103			74	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	18.6	ug/L	93			77	113	
	Chloroform	20	20.4	ug/L	102			79	113	
	Benzene	20	20.8	ug/L	104			82	109	
	1,2-Dichloroethane	20	20.1	ug/L	101			80	115	
	Trichloroethene	20	18.7	ug/L	94			77	113	
	Tetrachloroethene	20	20.1	ug/L	101			67	123	
	Chlorobenzene	20	19.9	ug/L	100			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260-Low

Datafile : VN086106.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0325WBSD01	Vinyl chloride	20	20.3	ug/L	102	2		65	117	20
	1,1-Dichloroethene	20	19.2	ug/L	96	7		74	110	20
	2-Butanone	100	87.6	ug/L	88	22	*	65	122	20
	Carbon Tetrachloride	20	18.1	ug/L	91	2		77	113	20
	Chloroform	20	19.7	ug/L	99	3		79	113	20
	Benzene	20	19.5	ug/L	98	6		82	109	20
	1,2-Dichloroethane	20	18.5	ug/L	93	8		80	115	20
	Trichloroethene	20	17.5	ug/L	88	7		77	113	20
	Tetrachloroethene	20	16.9	ug/L	85	17		67	123	20
	Chlorobenzene	20	18.7	ug/L	94	6		82	109	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0325WBL01

Lab Name: CHEMTECH

Contract: WALS01

Lab Code: CHEM Case No.: Q1626

SAS No.: Q1626 SDG NO.: Q1626

Lab File ID: VN086092.D

Lab Sample ID: VN0325WBL01

Date Analyzed: 03/25/2025

Time Analyzed: 11:26

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0325WBS01	VN0325WBS01	VN086094.D	03/25/2025
VN0325WBSD01	VN0325WBSD01	VN086106.D	03/25/2025
CO-32-1	Q1626-02	VN086111.D	03/25/2025

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01
Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG NO.: Q1626
Lab File ID: VN085994.D BFB Injection Date: 03/18/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:52
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.2
75	30.0 - 60.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	87.1
175	5.0 - 9.0% of mass 174	6.7 (7.7) 1
176	95.0 - 101.0% of mass 174	83.7 (96.2) 1
177	5.0 - 9.0% of mass 176	5.4 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC100	VSTDIC100	VN085996.D	03/18/2025	11:44
VSTDICCC050	VSTDICCC050	VN085997.D	03/18/2025	12:08
VSTDIC020	VSTDIC020	VN085998.D	03/18/2025	12:32
VSTDIC010	VSTDIC010	VN085999.D	03/18/2025	12:57
VSTDIC005	VSTDIC005	VN086000.D	03/18/2025	13:21
VSTDIC001	VSTDIC001	VN086001.D	03/18/2025	14:09



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: WALS01
Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG NO.: Q1626
Lab File ID: VN086089.D BFB Injection Date: 03/25/2025
Instrument ID: MSVOA_N BFB Injection Time: 09:39
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	45
75	30.0 - 60.0% of mass 95	1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	1
173	Less than 2.0% of mass 174	50 (5000) 1
174	50.0 - 100.0% of mass 95	1
175	5.0 - 9.0% of mass 174	100 (10000) 1
176	95.0 - 101.0% of mass 174	7 (700) 1
177	5.0 - 9.0% of mass 176	20 (285.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086090.D	03/25/2025	10:27
VN0325WBL01	VN0325WBL01	VN086092.D	03/25/2025	11:26
VN0325WBS01	VN0325WBS01	VN086094.D	03/25/2025	12:39
VN0325WBSD01	VN0325WBSD01	VN086106.D	03/25/2025	17:28
CO-32-1	Q1626-02	VN086111.D	03/25/2025	19:28

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01
 Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG NO.: Q1626
 Lab File ID: VN086090.D Date Analyzed: 03/25/2025
 Instrument ID: MSVOA_N Time Analyzed: 10:27
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	231359	8.22	376282	9.10	346115	11.87
UPPER LIMIT	462718	8.724	752564	9.6	692230	12.365
LOWER LIMIT	115680	7.724	188141	8.6	173058	11.365
EPA SAMPLE NO.						
CO-32-1	166979	8.22	313069	9.10	308081	11.87
VN0325WBL01	201384	8.22	370671	9.10	325680	11.87
VN0325WBS01	200228	8.22	324541	9.10	286017	11.87
VN0325WBSD01	194343	8.22	321428	9.10	280205	11.87

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: WALS01
 Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG NO.: Q1626
 Lab File ID: VN086090.D Date Analyzed: 03/25/2025
 Instrument ID: MSVOA_N Time Analyzed: 10:27
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	181838	13.788				
UPPER LIMIT	363676	14.288				
LOWER LIMIT	90919	13.288				
EPA SAMPLE NO.						
CO-32-1	116432	13.79				
VN0325WBL01	130926	13.79				
VN0325WBS01	139430	13.79				
VN0325WBSD01	140993	13.79				

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:	Walsh Construction Company II, LLC			Date Collected:	03/21/25	
Project:	Walsh CO-032 Sampling			Date Received:	03/21/25	
Client Sample ID:	CO-32-1			SDG No.:	Q1626	
Lab Sample ID:	Q1626-02			Matrix:	TCLP	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	TCLP VOA	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :	SW5035					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086111.D	1		03/25/25 19:28	VN032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	11.1	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.5		74 - 125	113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	51.2		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		77 - 121	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.224			
540-36-3	1,4-Difluorobenzene	313000	9.1			
3114-55-4	Chlorobenzene-d5	308000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	116000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086111.D
 Acq On : 25 Mar 2025 19:28
 Operator : JC\MD
 Sample : Q1626-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CO-32-1

Quant Time: Mar 26 03:25:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

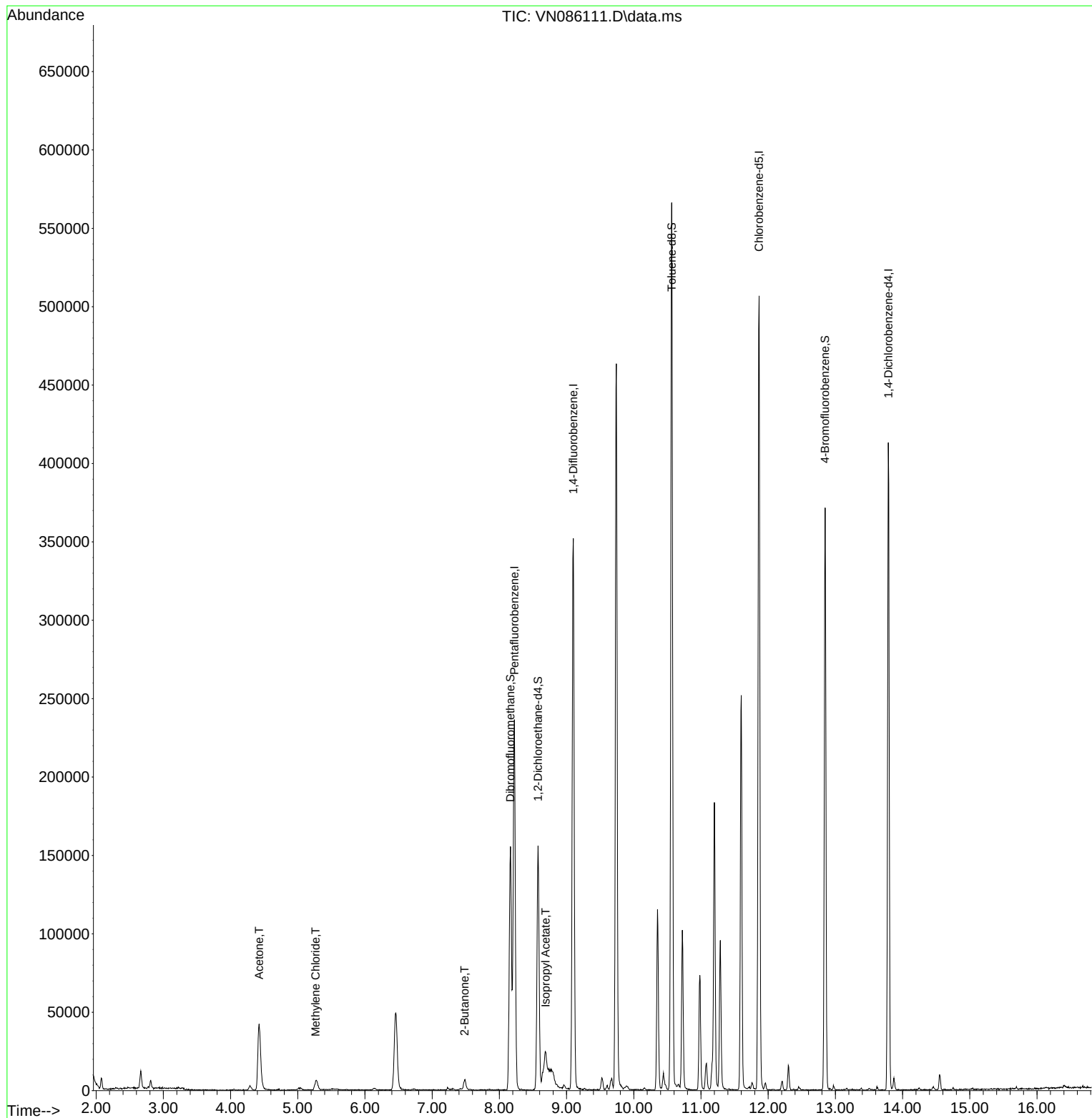
Internal Standards						
1) Pentafluorobenzene	8.224	168	166979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	313069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129226	56.517	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.040%			
35) Dibromofluoromethane	8.165	113	111924	51.220	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.440%			
50) Toluene-d8	10.565	98	405905	51.182	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.360%			
62) 4-Bromofluorobenzene	12.847	95	130113	46.004	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.000%			
Target Compounds					Qvalue	
16) Acetone	4.424	43	76626	109.693	ug/l	97
20) Methylene Chloride	5.265	84	4898	2.397	ug/l	92
25) 2-Butanone	7.483	43	11198	11.110	ug/l #	78
43) Isopropyl Acetate	8.688	43	33709	6.408	ug/l #	67

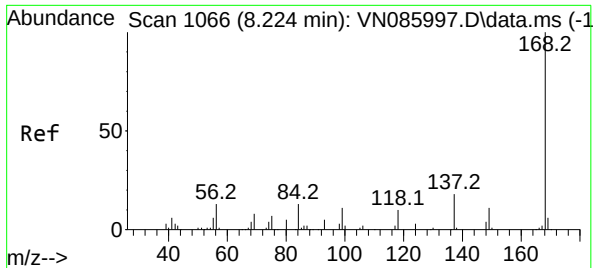
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086111.D
Acq On : 25 Mar 2025 19:28
Operator : JC\MD
Sample : Q1626-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CO-32-1

Quant Time: Mar 26 03:25:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

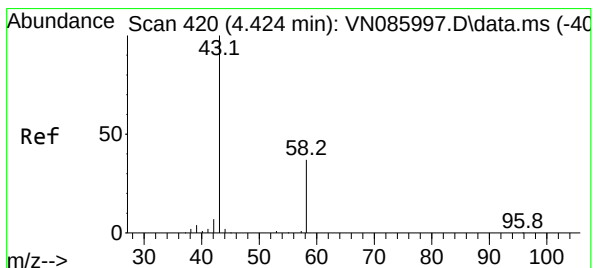
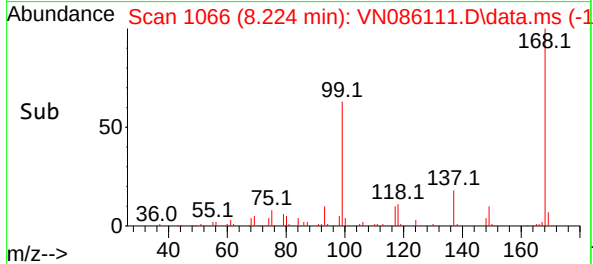
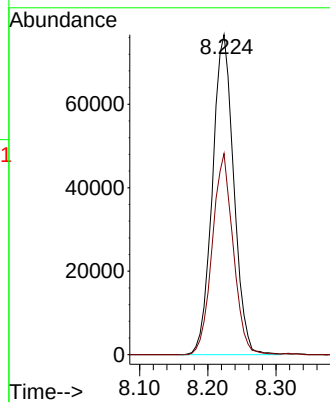
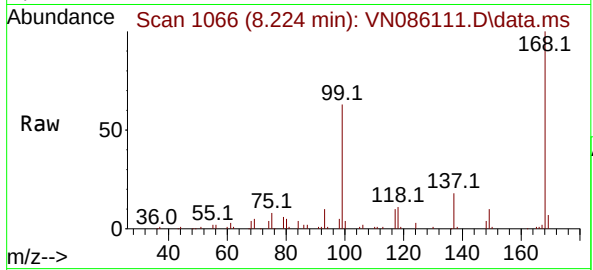




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

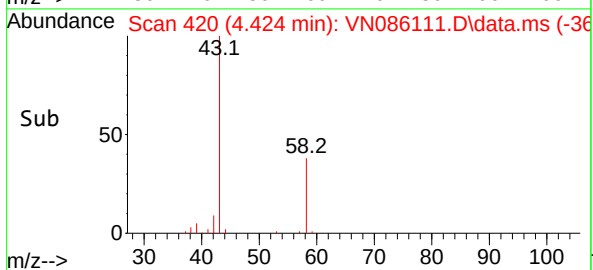
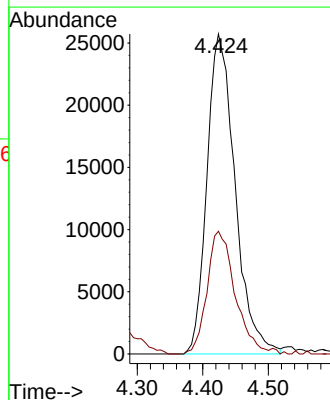
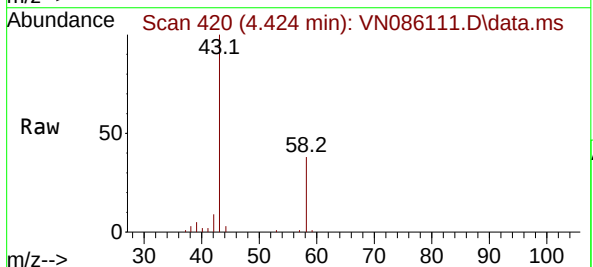
Instrument :
MSVOA_N
ClientSampleId :
CO-32-1

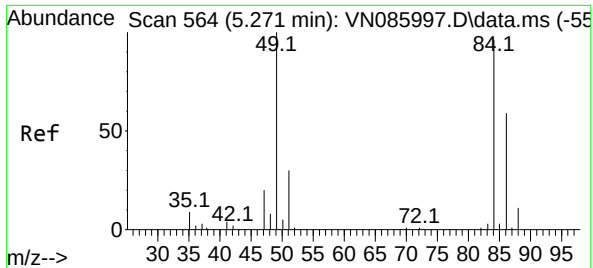
Tgt Ion:168 Resp: 166979
Ion Ratio Lower Upper
168 100
99 62.9 49.4 74.2



#16
Acetone
Concen: 109.693 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion: 43 Resp: 76626
Ion Ratio Lower Upper
43 100
58 38.3 29.4 44.2





#20

Methylene Chloride

Concen: 2.397 ug/l

RT: 5.265 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN086111.D

Acq: 25 Mar 2025 19:28

Instrument :

MSVOA_N

ClientSampleId :

CO-32-1

Tgt Ion: 84 Resp: 4898

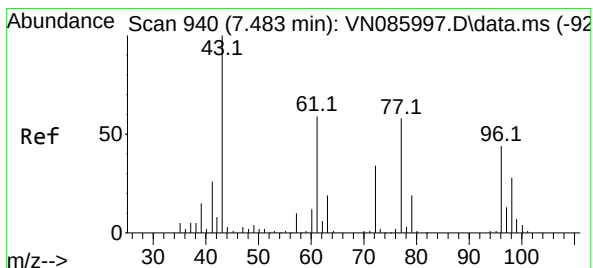
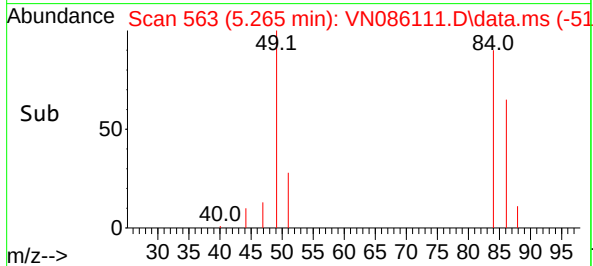
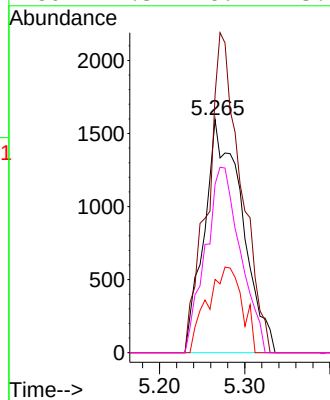
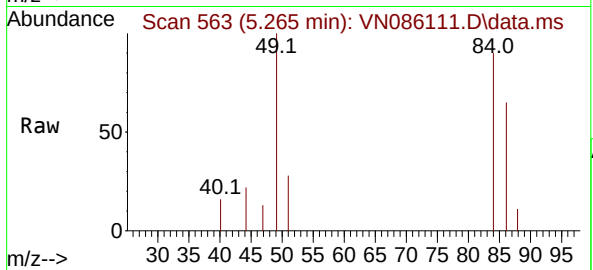
Ion Ratio Lower Upper

84 100

49 110.6 83.3 124.9

51 31.4 24.8 37.2

86 72.3 48.7 73.1



#25

2-Butanone

Concen: 11.110 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086111.D

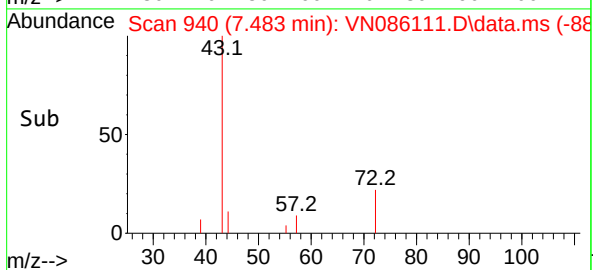
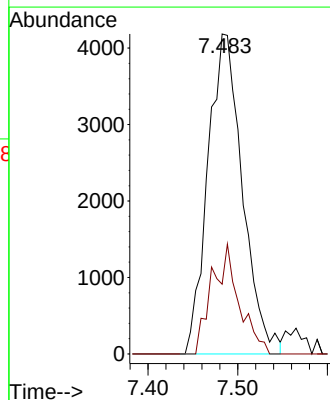
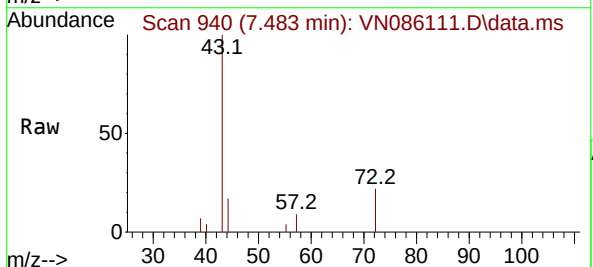
Acq: 25 Mar 2025 19:28

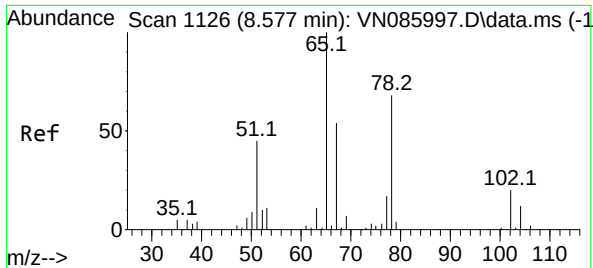
Tgt Ion: 43 Resp: 11198

Ion Ratio Lower Upper

43 100

72 21.8 27.4 41.0#





#33

1,2-Dichloroethane-d4

Concen: 56.517 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086111.D

Acq: 25 Mar 2025 19:28

Instrument :

MSVOA_N

ClientSampleId :

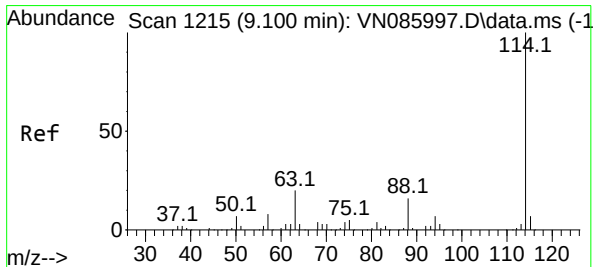
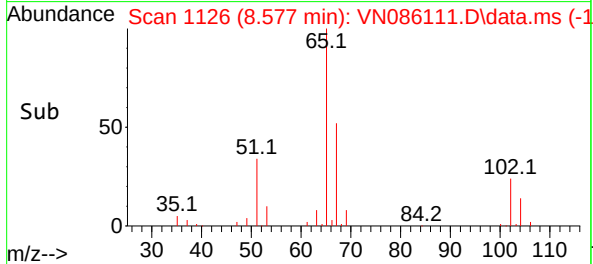
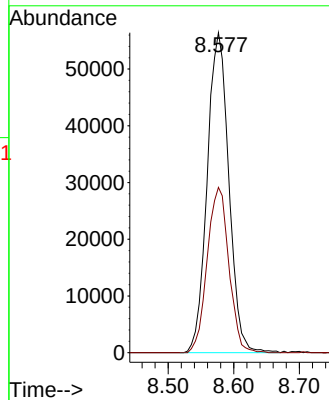
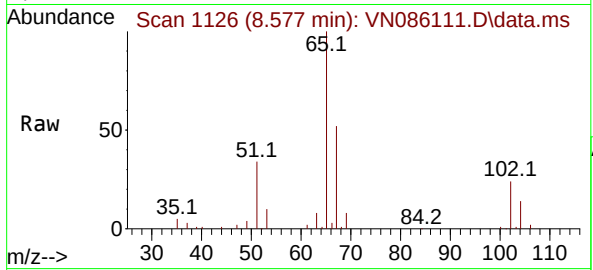
CO-32-1

Tgt Ion: 65 Resp: 129226

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086111.D

Acq: 25 Mar 2025 19:28

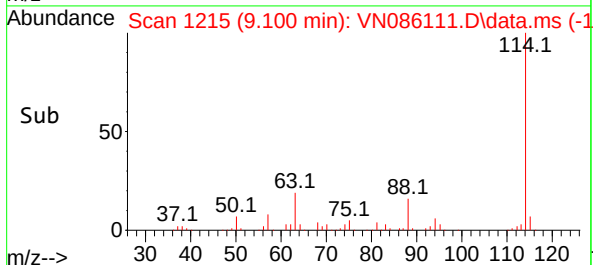
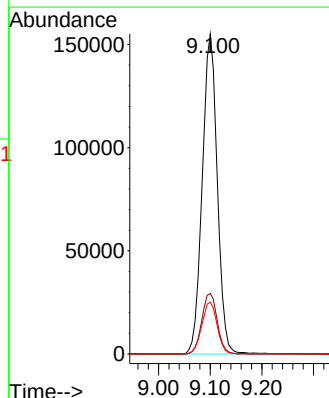
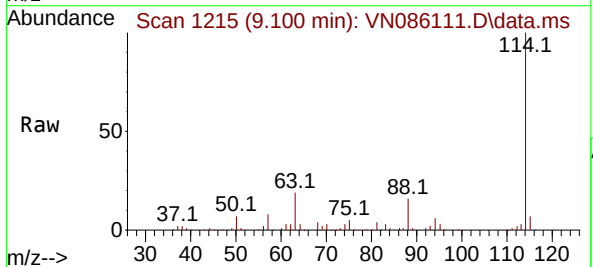
Tgt Ion: 114 Resp: 313069

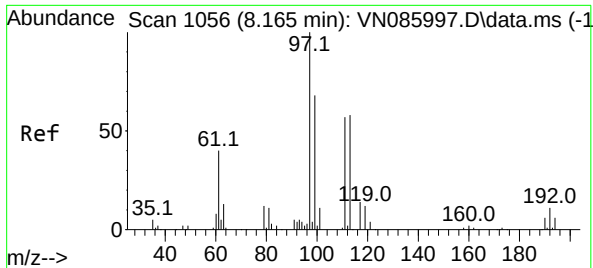
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.220 ug/l

RT: 8.165 min Scan# 110

Delta R.T. -0.000 min

Lab File: VN086111.D

Acq: 25 Mar 2025 19:28

Instrument :

MSVOA_N

ClientSampleId :

CO-32-1

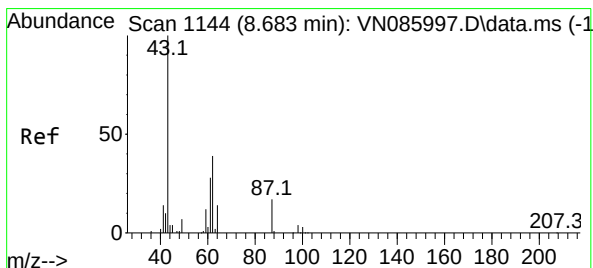
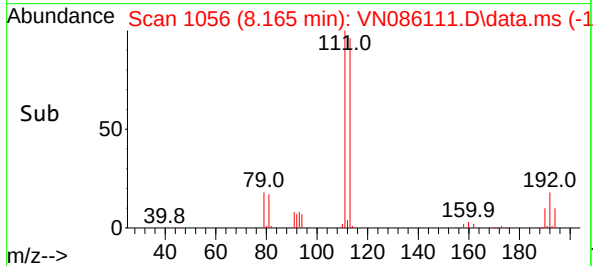
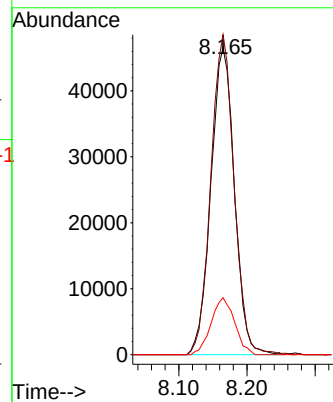
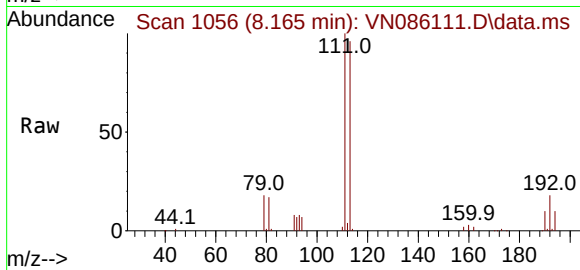
Tgt Ion:113 Resp: 111924

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

192 18.5 15.9 23.9



#43

Isopropyl Acetate

Concen: 6.408 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN086111.D

Acq: 25 Mar 2025 19:28

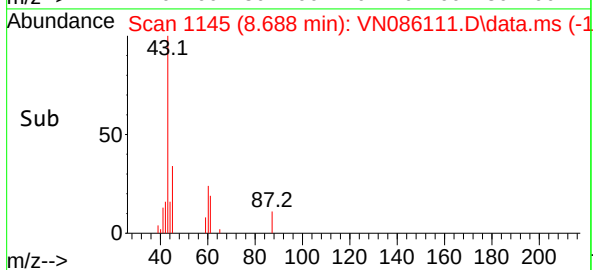
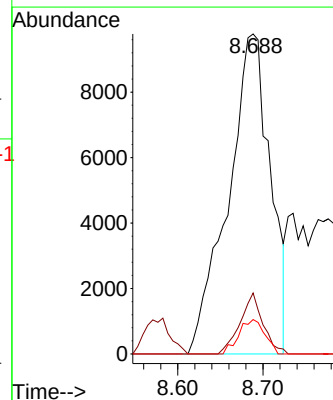
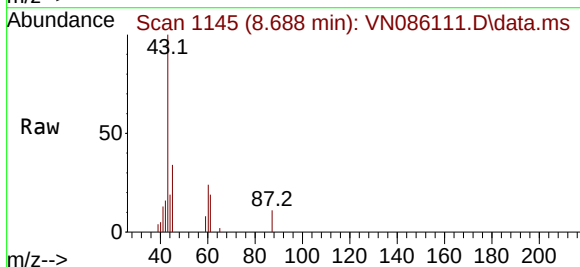
Tgt Ion: 43 Resp: 33709

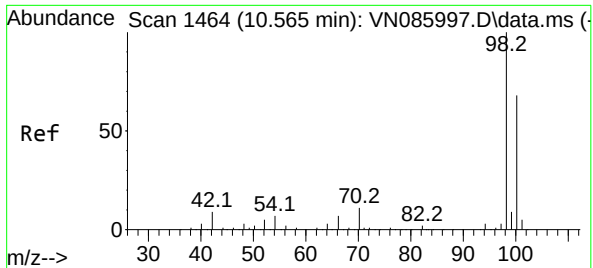
Ion Ratio Lower Upper

43 100

61 10.3 25.0 37.6#

87 6.6 13.0 19.4#

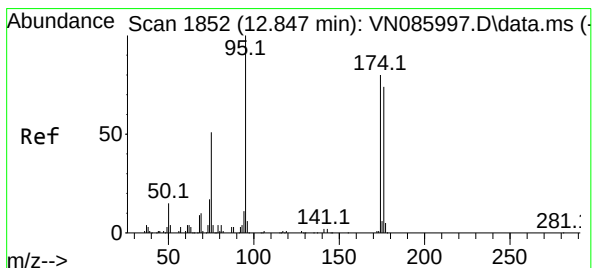
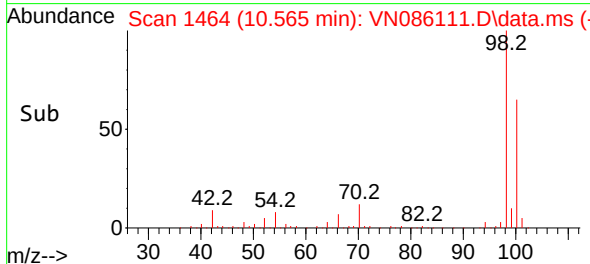
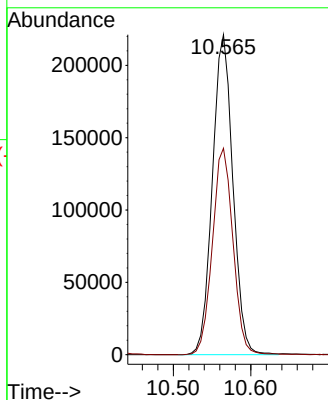
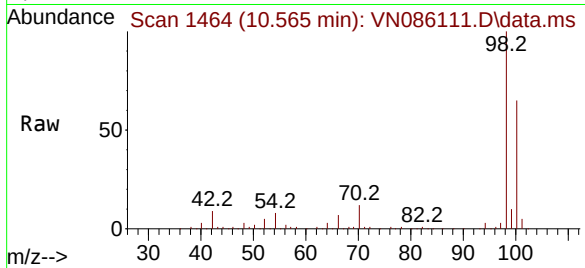




#50
Toluene-d8
Concen: 51.182 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

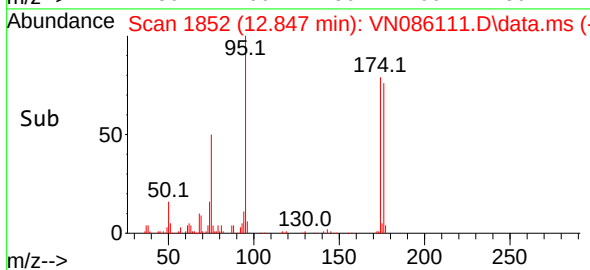
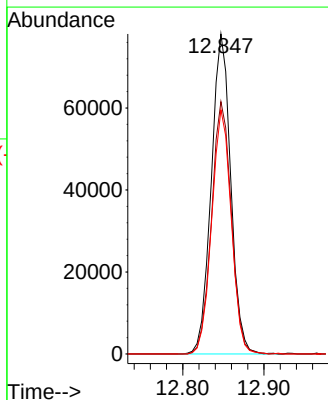
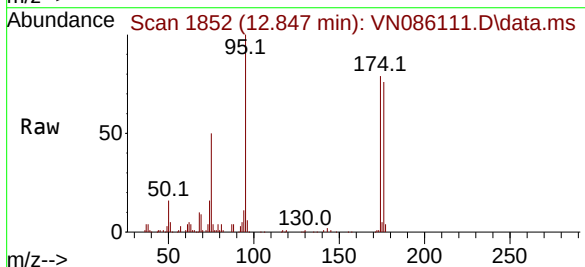
Instrument :
MSVOA_N
ClientSampleId :
CO-32-1

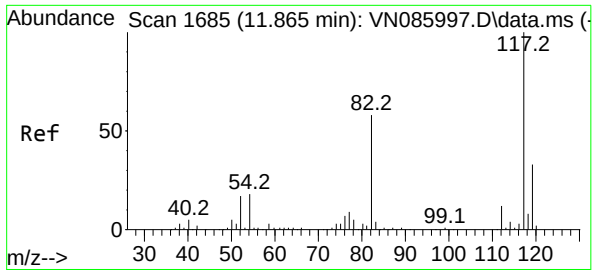
Tgt Ion: 98 Resp: 405905
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 46.004 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion: 95 Resp: 130113
Ion Ratio Lower Upper
95 100
174 80.3 0.0 156.8
176 76.4 0.0 152.2

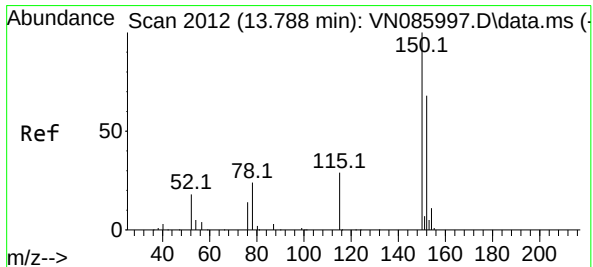
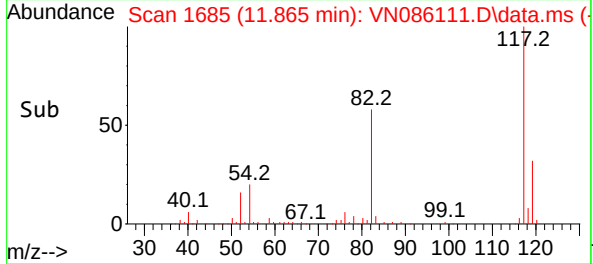
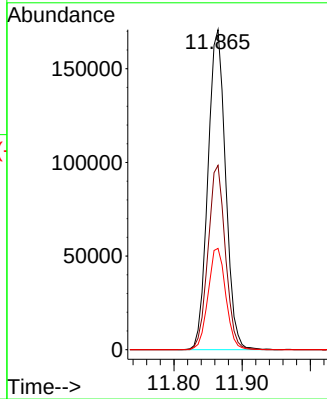
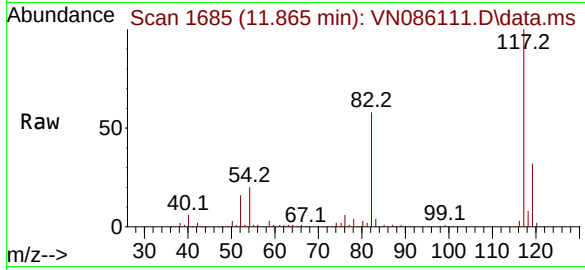




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

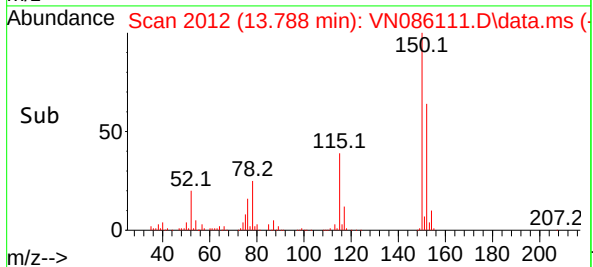
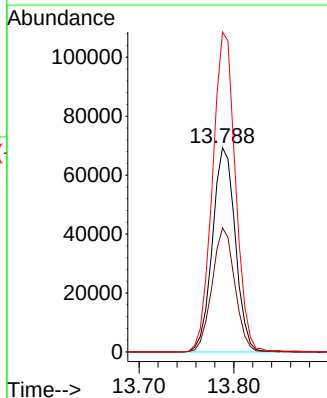
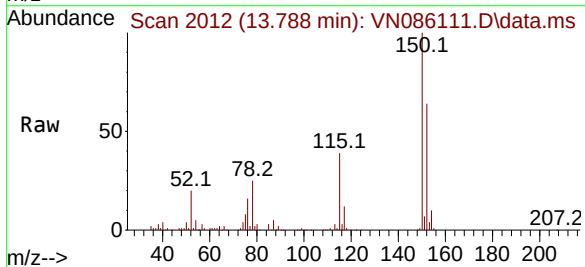
Instrument :
MSVOA_N
ClientSampleId :
CO-32-1

Tgt Ion:117 Resp: 308081
Ion Ratio Lower Upper
117 100
82 57.6 46.7 70.1
119 31.6 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086111.D
Acq: 25 Mar 2025 19:28

Tgt Ion:152 Resp: 116432
Ion Ratio Lower Upper
152 100
115 60.6 31.1 93.2
150 158.0 0.0 359.6





CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01
 Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG No.: Q1626
 Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025
 Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN085996.D		RRF050 = VN085997.D		RRF020 = VN085998.D			
		RRF010 = VN085999.D		RRF005 = VN086000.D		RRF001 = VN086001.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
Vinyl Chloride	0.622	0.592	0.541	0.581	0.634	0.592	0.594	5.5	
1,1-Dichloroethene	0.567	0.516	0.481	0.545	0.550	0.415	0.512	11	
2-Butanone	0.331	0.292	0.277	0.297	0.319	0.296	0.302	6.5	
Carbon Tetrachloride	0.673	0.578	0.557	0.580	0.613	0.624	0.604	6.9	
Chloroform	1.119	1.017	1.011	1.101	1.149	1.245	1.107	7.9	
Benzene	1.610	1.393	1.348	1.386	1.453	1.466	1.443	6.5	
1,2-Dichloroethane	0.538	0.475	0.462	0.491	0.528	0.521	0.503	6.1	
Trichloroethene	0.394	0.346	0.335	0.353	0.380	0.435	0.374	10	
Tetrachloroethene	0.407	0.371	0.370	0.390	0.421	0.433	0.399	6.6	
Chlorobenzene	1.229	1.085	1.070	1.116	1.156	1.208	1.144	5.7	
1,2-Dichloroethane-d4	0.632	0.665	0.669	0.721	0.737		0.685	6.3	
Dibromofluoromethane	0.333	0.334	0.347	0.362	0.368		0.349	4.5	
Toluene-d8	1.309	1.266	1.253	1.289	1.217		1.267	2.8	
4-Bromofluorobenzene	0.514	0.466	0.447	0.440	0.391		0.452	9.8	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N031825W.M
 Title : SW846 8260
 Last Update : Wed Mar 19 03:20:56 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN086001.D 5 =VN086000.D 10 =VN085999.D 20 =VN085998.D 50 =VN085997.D 100 =VN085996.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.678	0.697	0.649	0.600	0.643	0.707	0.662	6.01
3) P	Chloromethane	0.683	0.612	0.544	0.514	0.557	0.575	0.581	10.29
4) C	Vinyl Chloride	0.592	0.634	0.581	0.541	0.592	0.622	0.594	5.53#
5) T	Bromomethane		0.466	0.411	0.377	0.381	0.388	0.404	9.16
6) T	Chloroethane	0.446	0.403	0.378	0.334	0.330	0.355	0.375	11.93
7) T	Trichlorofluor...	1.267	1.107	1.035	0.959	0.977	1.059	1.067	10.48
8) T	Diethyl Ether	0.336	0.309	0.322	0.315	0.324	0.354	0.327	4.93
9) T	1,1,2-Trichlor...	0.659	0.590	0.553	0.512	0.515	0.574	0.567	9.66
10) T	Methyl Iodide		0.766	0.710	0.681	0.728	0.811	0.739	6.80
11) T	Tert butyl alc...		0.108	0.097	0.091	0.094	0.094	0.097	6.70
12) CM	1,1-Dichloroet...	0.415	0.550	0.545	0.481	0.516	0.567	0.512	11.02#
13) T	Acrolein		0.115	0.099	0.104	0.100	0.099	0.103	6.75
14) T	Allyl chloride	0.664	0.684	0.615	0.572	0.617	0.683	0.639	7.03
15) T	Acrylonitrile	0.252	0.271	0.255	0.245	0.248	0.266	0.256	4.01
16) T	Acetone	0.223	0.213	0.195	0.179	0.194	0.251	0.209	12.36
17) T	Carbon Disulfide	2.107	1.765	1.610	1.467	1.510	1.649	1.685	13.78
18) T	Methyl Acetate	0.667	0.542	0.504	0.434	0.469	0.488	0.518	15.79
19) T	Methyl tert-bu...	1.673	1.638	1.604	1.578	1.691	1.888	1.679	6.61
20) T	Methylene Chlo...	0.731	0.639	0.572	0.551	0.565	0.613	0.612	10.93
21) T	trans-1,2-Dich...	0.591	0.564	0.546	0.521	0.534	0.603	0.560	5.81
22) T	Diisopropyl ether	1.166	1.387	1.394	1.317	1.378	1.528	1.362	8.68
23) T	Vinyl Acetate	0.866	1.023	1.017	1.024	1.067	1.196	1.032	10.24
24) P	1,1-Dichloroet...	1.130	1.032	0.968	0.908	0.949	1.023	1.001	7.79
25) T	2-Butanone	0.296	0.319	0.297	0.277	0.292	0.331	0.302	6.50
26) T	2,2-Dichloropr...	1.004	1.017	0.925	0.880	0.926	1.032	0.964	6.41
27) T	cis-1,2-Dichlo...	0.632	0.656	0.617	0.591	0.633	0.688	0.636	5.25
28) T	Bromochloromet...	0.521	0.430	0.404	0.398	0.391	0.403	0.424	11.60
29) T	Tetrahydrofuran	0.152	0.197	0.189	0.183	0.194	0.204	0.186	9.74
30) C	Chloroform	1.245	1.149	1.101	1.011	1.017	1.119	1.107	7.90#
31) T	Cyclohexane		0.957	0.854	0.765	0.799	0.890	0.853	8.87
32) T	1,1,1-Trichlor...	1.124	1.097	1.025	0.962	0.986	1.093	1.048	6.32
33) S	1,2-Dichloroet...		0.737	0.721	0.669	0.665	0.632	0.685	6.30
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.368	0.362	0.347	0.334	0.333	0.349	4.54
36) T	1,1-Dichloropr...	0.457	0.454	0.443	0.421	0.454	0.528	0.460	7.89
37) T	Ethyl Acetate	0.388	0.412	0.393	0.366	0.367	0.400	0.388	4.65
38) T	Carbon Tetrach...	0.624	0.613	0.580	0.557	0.578	0.673	0.604	6.90
39) T	Methylcyclohexane	0.438	0.426	0.399	0.419	0.475	0.579	0.456	14.34
40) TM	Benzene	1.466	1.453	1.386	1.348	1.393	1.610	1.443	6.46
41) T	Methacrylonitrile	0.132	0.188	0.191	0.187	0.193	0.220	0.185	15.66
42) TM	1,2-Dichloroet...	0.521	0.528	0.491	0.462	0.475	0.538	0.503	6.12
43) T	Isopropyl Acetate	1.123	0.840	0.886	0.793	0.688	0.711	0.840	18.77
44) TM	Trichloroethene	0.435	0.380	0.353	0.335	0.346	0.394	0.374	9.98
45) C	1,2-Dichloropr...	0.309	0.333	0.321	0.319	0.321	0.366	0.328	6.16#
46) T	Dibromomethane	0.274	0.268	0.251	0.234	0.243	0.279	0.258	7.09
47) T	Bromodichlorom...	0.537	0.561	0.515	0.506	0.516	0.600	0.539	6.58
48) T	Methyl methacr...	0.255	0.257	0.265	0.268	0.289	0.328	0.277	9.99
49) T	1,4-Dioxane	0.005	0.007	0.007	0.006	0.007	0.007	0.007	16.08
50) S	Toluene-d8		1.217	1.289	1.253	1.266	1.309	1.267	2.78
51) T	4-Methyl-2-Pen...	0.287	0.369	0.380	0.368	0.385	0.434	0.371	12.88
52) CM	Toluene	0.727	0.856	0.878	0.862	0.915	1.074	0.885	12.66#
53) T	t-1,3-Dichloro...	0.446	0.501	0.506	0.504	0.539	0.646	0.524	12.80
54) T	cis-1,3-Dichlo...	0.464	0.537	0.555	0.533	0.568	0.659	0.553	11.46
55) T	1,1,2-Trichlor...	0.335	0.338	0.330	0.316	0.327	0.382	0.338	6.72
56) T	Ethyl methacry...	0.298	0.413	0.445	0.463	0.526	0.633	0.463	24.21

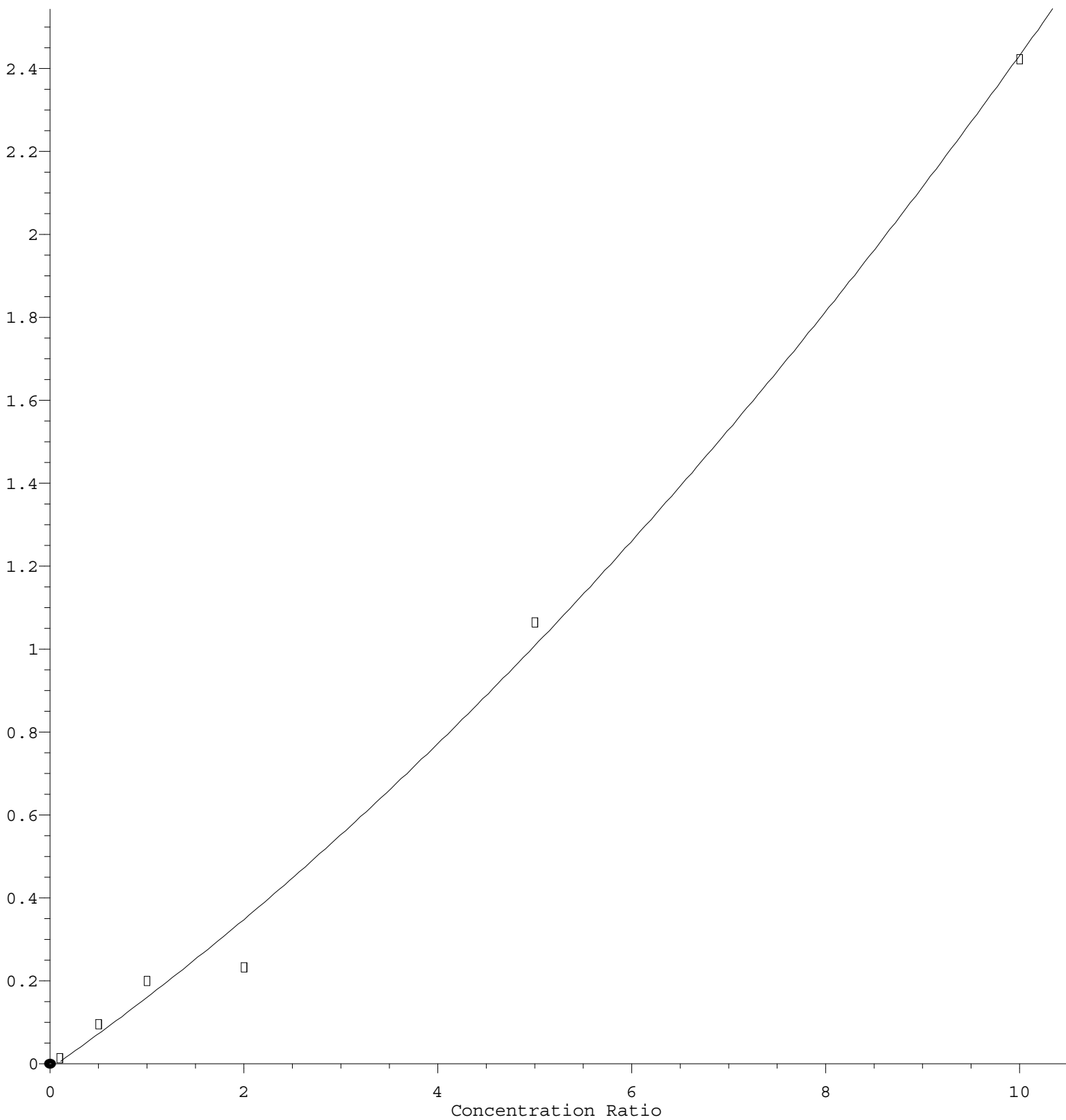
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N031825W.M

57)	T	1,3-Dichloropr...	0.551	0.558	0.571	0.539	0.567	0.657	0.574	7.39
58)	T	2-Chloroethyl ...	0.134	0.190	0.200	0.116	0.213	0.242	0.183	26.31
59)	T	2-Hexanone	0.202	0.261	0.270	0.269	0.284	0.334	0.270	15.74
60)	T	Dibromochlorom...	0.416	0.436	0.422	0.408	0.432	0.503	0.436	7.83
61)	T	1,2-Dibromoethane	0.325	0.337	0.343	0.326	0.351	0.400	0.347	8.01
62)	S	4-Bromofluorob...	0.391	0.440	0.447	0.466	0.514	0.452		9.82
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.433	0.421	0.390	0.370	0.371	0.407	0.399	6.57
65)	PM	Chlorobenzene	1.208	1.156	1.116	1.070	1.085	1.229	1.144	5.69
66)	T	1,1,1,2-Tetrac...	0.445	0.445	0.414	0.388	0.407	0.452	0.425	6.05
67)	C	Ethyl Benzene	1.586	1.755	1.769	1.744	1.918	2.209	1.830	11.67#
68)	T	m/p-Xylenes	0.643	0.660	0.690	0.700	0.756	0.867	0.719	11.40
69)	T	o-Xylene	0.532	0.585	0.645	0.655	0.713	0.831	0.660	15.83
70)	T	Styrene	0.924	1.032	1.044	1.115	1.219	1.431	1.128	15.79
71)	P	Bromoform	0.371	0.355	0.342	0.329	0.345	0.392	0.356	6.39
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.039	3.264	3.470	3.251	3.599	3.863	3.414	8.58
74)	T	N-amyl acetate	0.984	1.098	1.153	1.121	1.220	1.278	1.142	8.93
75)	P	1,1,2,2-Tetrac...	1.311	1.261	1.191	1.041	1.052	1.076	1.155	10.01
76)	T	1,2,3-Trichlor...	0.925	1.264	1.153	1.148	1.157	1.070	1.119	10.14
77)	T	Bromobenzene	1.000	0.994	0.966	0.878	0.910	0.964	0.952	5.10
78)	T	n-propylbenzene	3.148	3.686	3.862	3.774	4.183	4.546	3.866	12.24
79)	T	2-Chlorotoluene	2.335	2.574	2.587	2.473	2.620	2.820	2.568	6.29
80)	T	1,3,5-Trimethy...	2.392	2.639	2.903	2.845	3.118	3.399	2.883	12.25
81)	T	trans-1,4-Dich...	0.397	0.401	0.420	0.414	0.486	0.423		8.50
82)	T	4-Chlorotoluene	2.443	2.567	2.661	2.558	2.696	2.921	2.641	6.19
83)	T	tert-Butylbenzene	2.380	2.278	2.517	2.289	2.547	2.782	2.466	7.76
84)	T	1,2,4-Trimethy...	2.330	2.684	2.944	2.886	3.130	3.472	2.908	13.35
85)	T	sec-Butylbenzene	2.423	3.008	3.247	3.174	3.514	3.932	3.216	15.71
86)	T	p-Isopropyltol...	2.088	2.410	2.688	2.670	3.037	3.443	2.723	17.41
87)	T	1,3-Dichlorobe...	1.688	1.718	1.749	1.614	1.685	1.842	1.716	4.46
88)	T	1,4-Dichlorobe...	2.043	1.907	1.756	1.621	1.667	1.825	1.803	8.71
89)	T	n-Butylbenzene	1.876	1.981	2.079	2.067	2.424	2.876	2.217	16.76
90)	T	Hexachloroethane	0.766	0.648	0.595	0.542	0.582	0.637	0.628	12.37
91)	T	1,2-Dichlorobe...	2.004	1.724	1.673	1.522	1.598	1.716	1.706	9.66
92)	T	1,2-Dibromo-3-...	0.192	0.250	0.266	0.216	0.221	0.240	0.231	11.50
93)	T	1,2,4-Trichlor...	0.899	0.851	0.815	0.779	0.850	0.952	0.858	7.14
94)	T	Hexachlorobuta...	0.579	0.522	0.500	0.454	0.442	0.488	0.498	9.98
95)	T	Naphthalene	2.499	2.211	2.423	2.306	2.606	2.860	2.484	9.30
96)	T	1,2,3-Trichlor...	0.798	0.791	0.794	0.772	0.829	0.900	0.814	5.65

(#) = Out of Range

2-Chloroethyl Vinyl ether

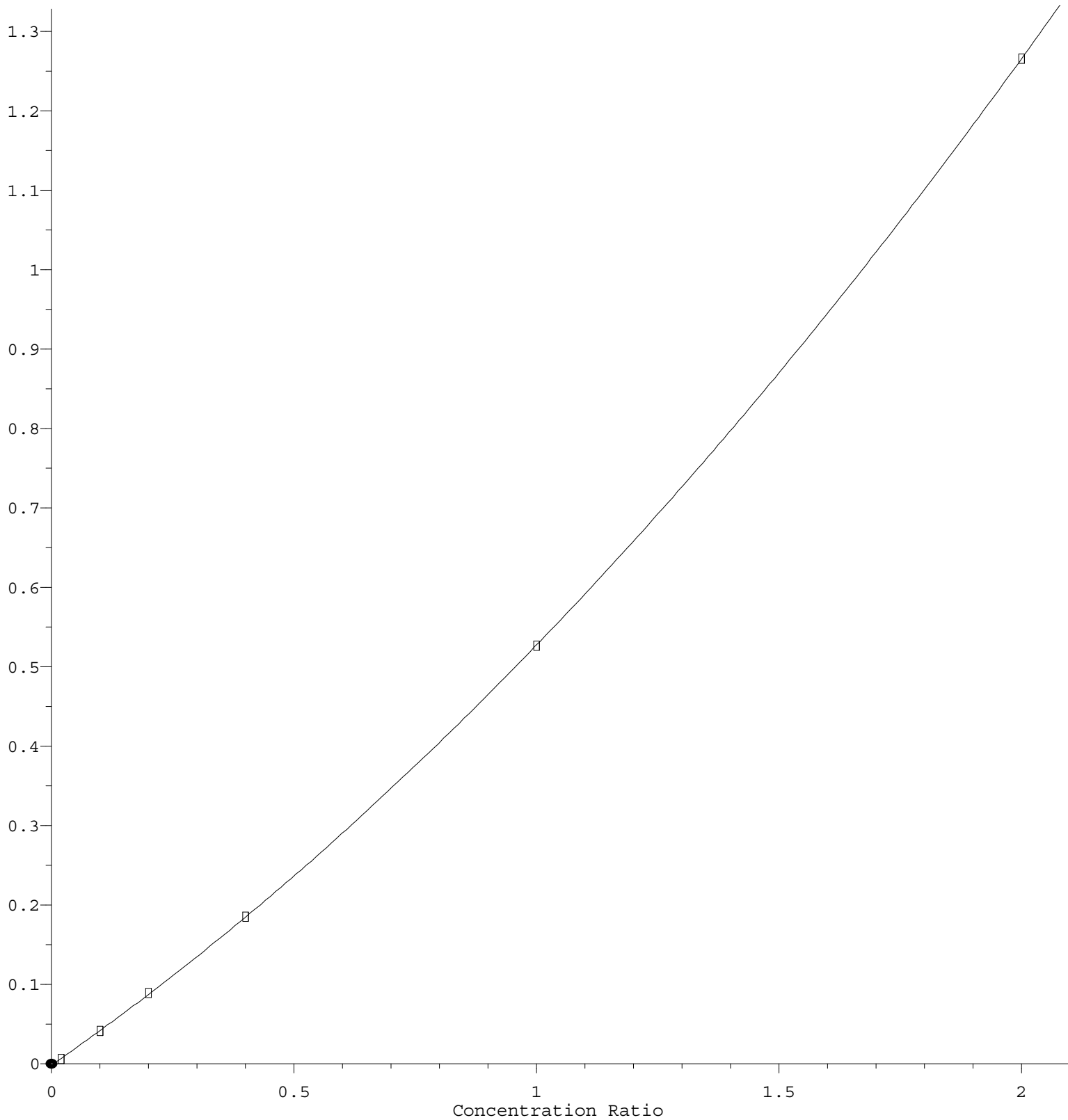
Response Ratio



$R = 8.062e-003 A^2 + 1.637e-001 A - 1.134e-002$
 Coef of Det (r^2) = 0.995747 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N031825W.M
 Calibration Table Last Updated: Wed Mar 19 03:20:56 2025

Ethyl methacrylate

Response Ratio



$R = 1.048e-001 A^2 + 4.239e-001 A - 1.587e-003$
Coef of Det (r^2) = 0.999996 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N031825W.M
Calibration Table Last Updated: Wed Mar 19 03:20:56 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085996.D
 Acq On : 18 Mar 2025 11:44
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 19 02:52:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	182974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	280238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	231291	92.312	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 184.620%#			
35) Dibromofluoromethane	8.165	113	186688	95.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 190.880%#			
50) Toluene-d8	10.565	98	733621	103.341	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 206.680%#			
62) 4-Bromofluorobenzene	12.847	95	288124	113.805	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 227.620%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	258760	106.744	ug/l	100
3) Chloromethane	2.359	50	210559	99.080	ug/l	99
4) Vinyl Chloride	2.506	62	227757	104.817	ug/l	99
5) Bromomethane	2.930	94	141847	95.836	ug/l	95
6) Chloroethane	3.106	64	130043	94.868	ug/l	90
7) Trichlorofluoromethane	3.489	101	387652	99.243	ug/l	99
8) Diethyl Ether	3.953	74	129491	108.290	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	209946	101.130	ug/l	99
10) Methyl Iodide	4.583	142	296609	109.651	ug/l	95
11) Tert butyl alcohol	5.518	59	172466	486.176	ug/l	99
12) 1,1-Dichloroethene	4.336	96	207400	110.639	ug/l	96
13) Acrolein	4.171	56	180315	476.573	ug/l	98
14) Allyl chloride	5.018	41	249826	106.826	ug/l	98
15) Acrylonitrile	5.712	53	486527	519.314	ug/l	99
16) Acetone	4.418	43	459532	600.330	ug/l	100
17) Carbon Disulfide	4.706	76	603612	97.911	ug/l	99
18) Methyl Acetate	5.018	43	178753	94.384	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	690939	112.481	ug/l	99
20) Methylene Chloride	5.265	84	224327	100.177	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	220657	107.710	ug/l	99
22) Diisopropyl ether	6.665	45	559282	112.225	ug/l	99
23) Vinyl Acetate	6.600	43	2187667	579.034	ug/l	100
24) 1,1-Dichloroethane	6.559	63	374239	102.121	ug/l	99
25) 2-Butanone	7.477	43	605615	548.306	ug/l	99
26) 2,2-Dichloropropane	7.483	77	377635	107.034	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	251929	108.218	ug/l	98
28) Bromochloromethane	7.812	49	147305	94.874	ug/l	98
29) Tetrahydrofuran	7.830	42	372372	546.087	ug/l	99
30) Chloroform	7.965	83	409546	101.106	ug/l	99
31) Cyclohexane	8.253	56	325757	104.345	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	400089	104.344	ug/l	98
36) 1,1-Dichloropropene	8.365	75	296177	114.993	ug/l	100
37) Ethyl Acetate	7.559	43	224022	103.099	ug/l	98
38) Carbon Tetrachloride	8.359	117	377239	111.395	ug/l	98
39) Methylcyclohexane	9.600	83	324420	126.957	ug/l	97
40) Benzene	8.600	78	902443	111.613	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085996.D
 Acq On : 18 Mar 2025 11:44
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:52:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	123440	118.971	ug/l	95
42) 1,2-Dichloroethane	8.665	62	301678	107.080	ug/l	99
43) Isopropyl Acetate	8.683	43	398367	84.427	ug/l	99
44) Trichloroethene	9.347	130	220997	105.460	ug/l	92
45) 1,2-Dichloropropane	9.618	63	205313	111.644	ug/l	97
46) Dibromomethane	9.706	93	156183	107.992	ug/l	100
47) Bromodichloromethane	9.882	83	336242	111.244	ug/l	99
48) Methyl methacrylate	9.677	41	183832	118.314	ug/l	98
49) 1,4-Dioxane	9.688	88	83630	2276.865	ug/l	94
51) 4-Methyl-2-Pentanone	10.441	43	1216534	585.839	ug/l	100
52) Toluene	10.629	92	601872	121.286	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	362129	123.365	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	369494	119.304	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	213909	112.938	ug/l	96
56) Ethyl methacrylate	10.871	69	354676	100.009	ug/l	99
57) 1,3-Dichloropropane	11.159	76	368384	114.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	678829	498.510	ug/l	99
59) 2-Hexanone	11.194	43	935328	618.290	ug/l	99
60) Dibromochloromethane	11.359	129	281651	115.239	ug/l	99
61) 1,2-Dibromoethane	11.465	107	224197	115.301	ug/l	98
64) Tetrachloroethene	11.100	164	217951	102.122	ug/l	98
65) Chlorobenzene	11.888	112	657655	107.422	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	241702	106.205	ug/l	98
67) Ethyl Benzene	11.959	91	1182051	120.702	ug/l	99
68) m/p-Xylenes	12.071	106	927553	240.977	ug/l	99
69) o-Xylene	12.394	106	444866	125.926	ug/l	99
70) Styrene	12.412	104	765959	126.938	ug/l	100
71) Bromoform	12.576	173	209637	110.191	ug/l #	99
73) Isopropylbenzene	12.694	105	1139716	113.143	ug/l	100
74) N-amyl acetate	12.494	43	377161	111.912	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	317335	93.117	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	315551m	93.831	ug/l	
77) Bromobenzene	12.976	156	284449	101.270	ug/l	100
78) n-propylbenzene	13.035	91	1341141	117.577	ug/l	100
79) 2-Chlorotoluene	13.123	91	832060	109.823	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	1002727	117.902	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	143254	114.684	ug/l	97
82) 4-Chlorotoluene	13.218	91	861737	110.605	ug/l	99
83) tert-Butylbenzene	13.435	119	820651	112.824	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1024294	119.410	ug/l	100
85) sec-Butylbenzene	13.612	105	1160166	122.266	ug/l	100
86) p-Isopropyltoluene	13.729	119	1015859	126.470	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	543572	107.364	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	538505	101.234	ug/l	99
89) n-Butylbenzene	14.053	91	848367	129.699	ug/l	100
90) Hexachloroethane	14.329	117	187906	101.383	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	506350	100.605	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	70713	103.948	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	280971	111.025	ug/l	99
94) Hexachlorobutadiene	15.500	225	144077	98.130	ug/l	99
95) Naphthalene	15.641	128	843691	115.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	265586	110.600	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085996.D
Acq On : 18 Mar 2025 11:44
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:52:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 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_N\Data\VN031825\
 Data File : VN085996.D
 Acq On : 18 Mar 2025 11:44
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_N

Client SampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By : John Carlone 03/19/2025

Supervised By : Mahesh Dadoda 03/19/2025

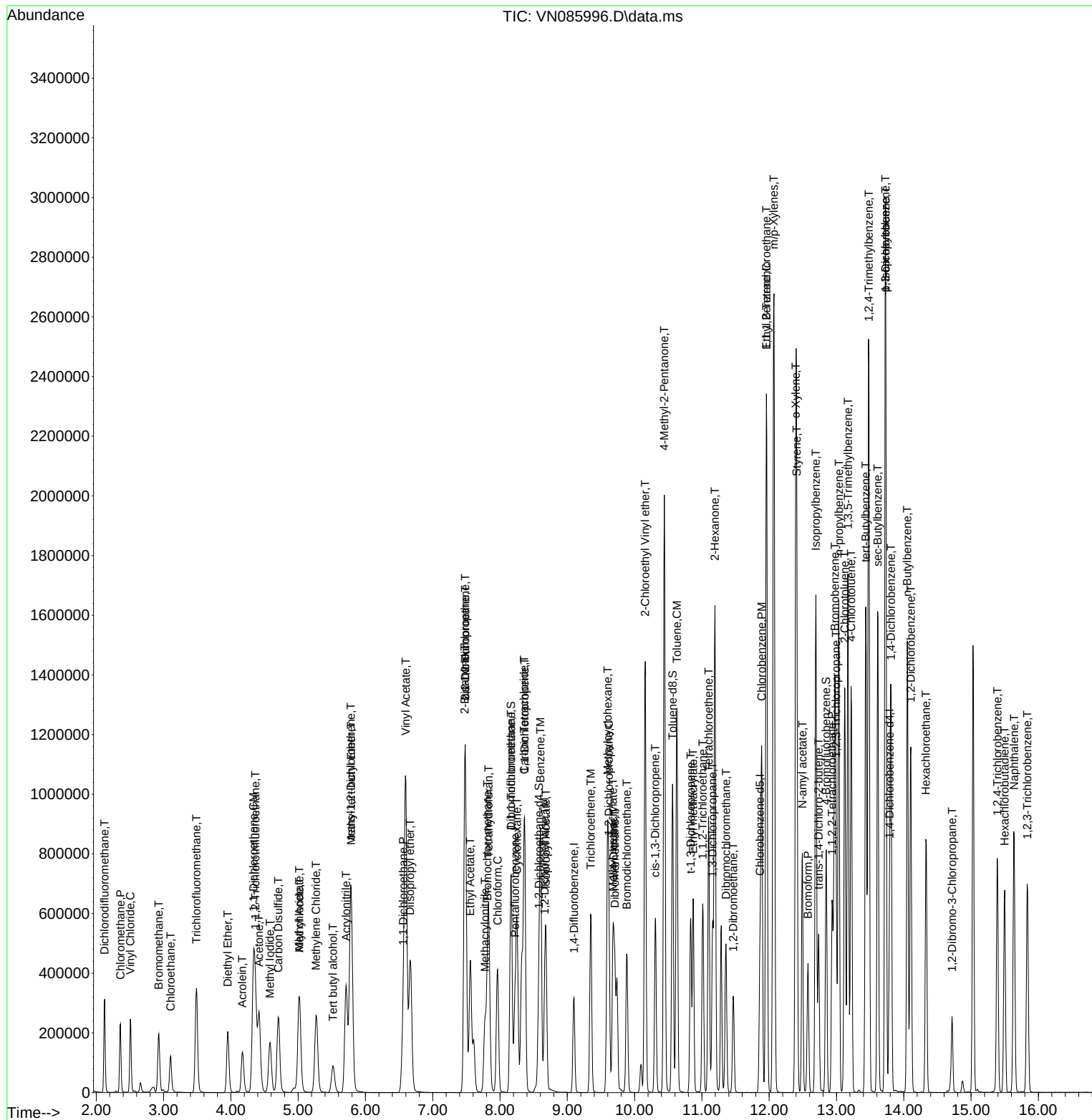
Quant Time: Mar 19 02:52:06 2025

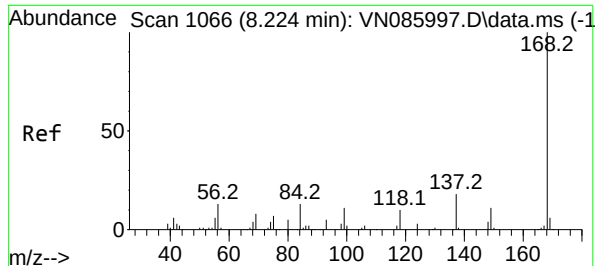
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 19 02:30:27 2025

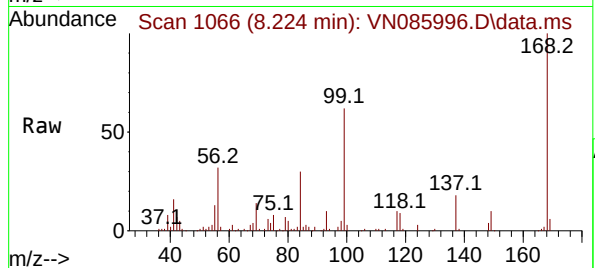
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

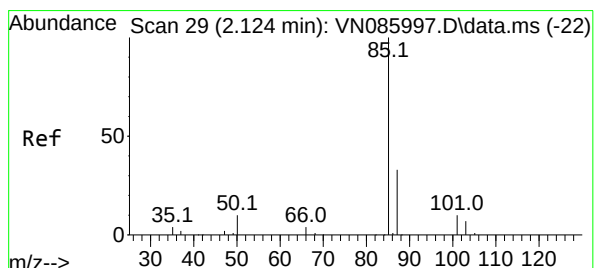
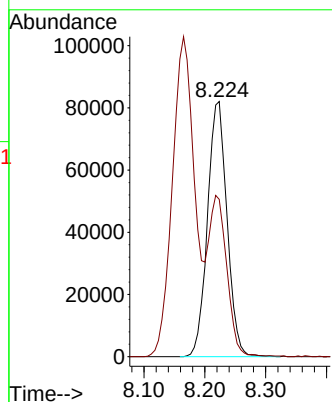
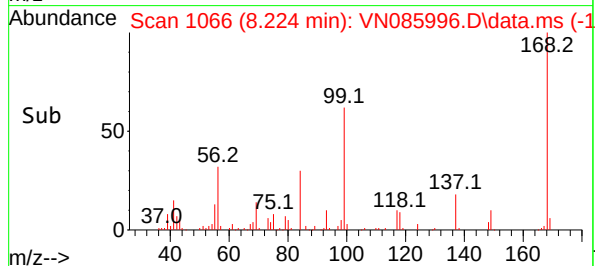
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:168 Resp: 182974
Ion Ratio Lower Upper
168 100
99 61.4 49.4 74.2

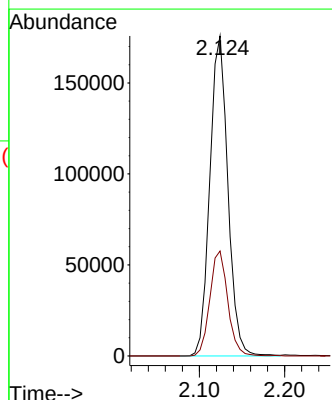
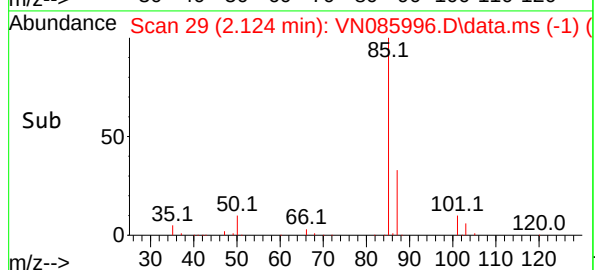
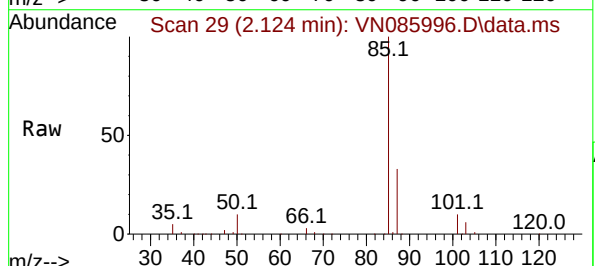
Manual Integrations
APPROVED

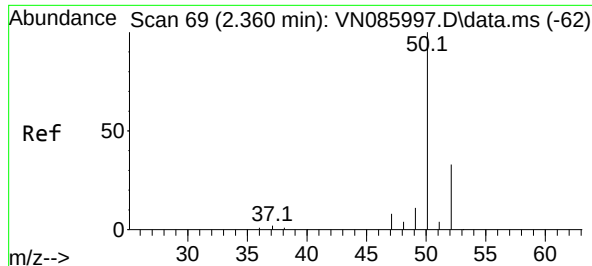
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 106.744 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 85 Resp: 258760
Ion Ratio Lower Upper
85 100
87 32.8 16.5 49.5





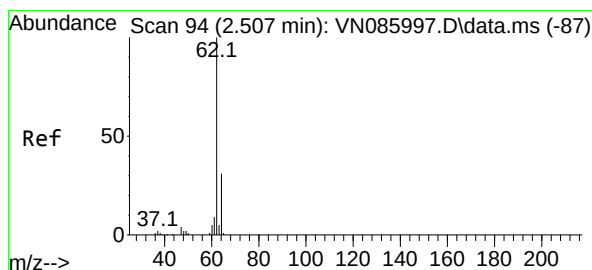
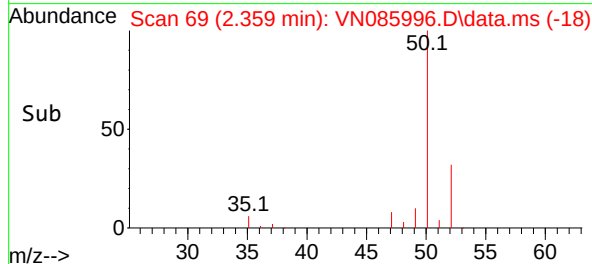
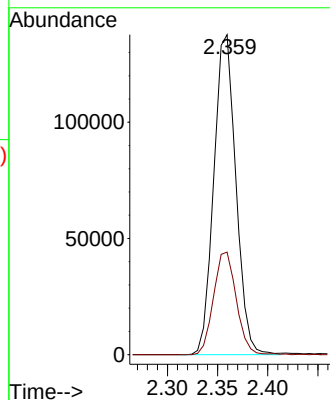
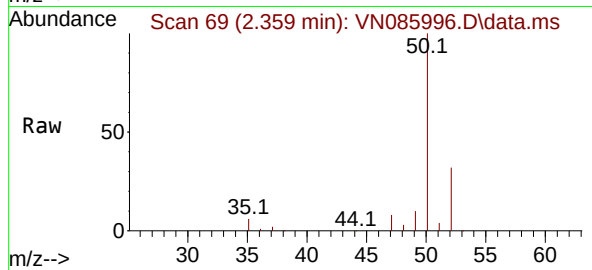
#3
Chloromethane
Concen: 99.080 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 210559
Ion Ratio Lower Upper
50 100
52 32.0 26.0 39.0

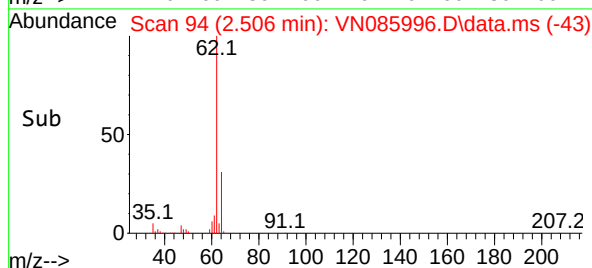
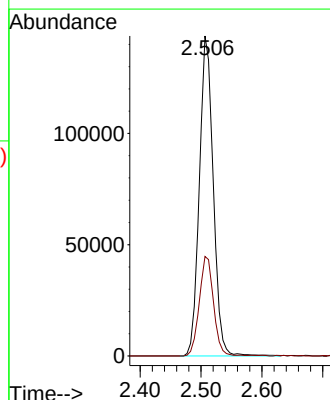
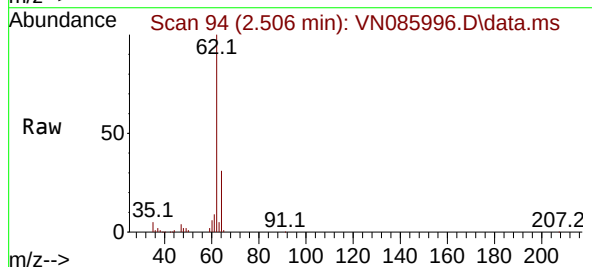
Manual Integrations
APPROVED

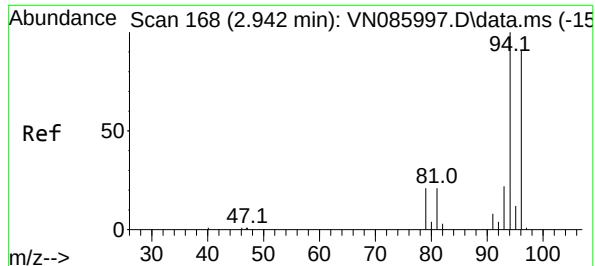
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 104.817 ug/l
RT: 2.506 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 62 Resp: 227757
Ion Ratio Lower Upper
62 100
64 31.1 25.2 37.8





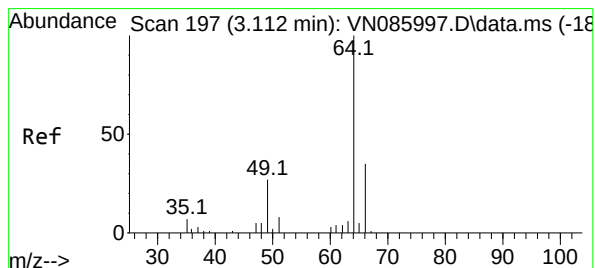
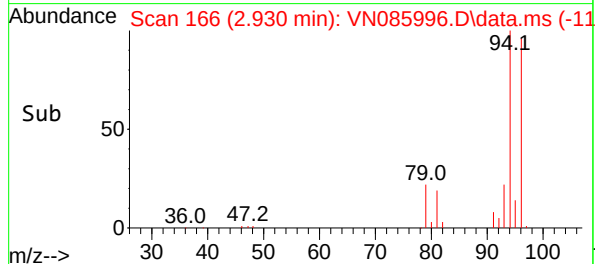
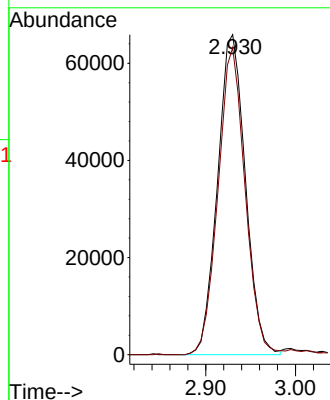
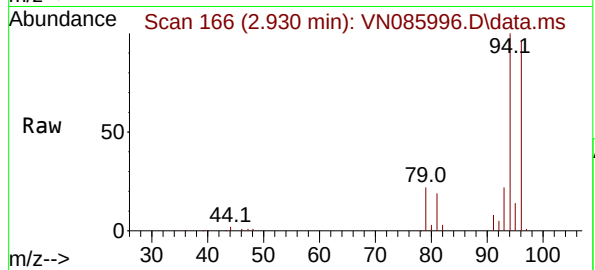
#5
Bromomethane
Concen: 95.836 ug/l
RT: 2.930 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 14184
Ion Ratio Lower Upper
94 100
96 95.9 72.8 109.2

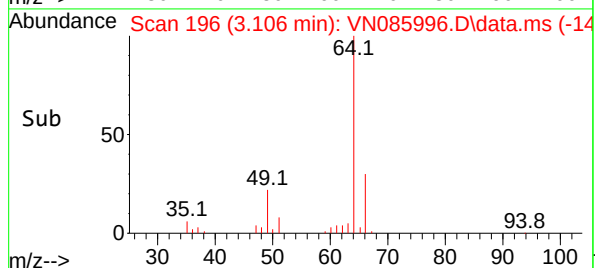
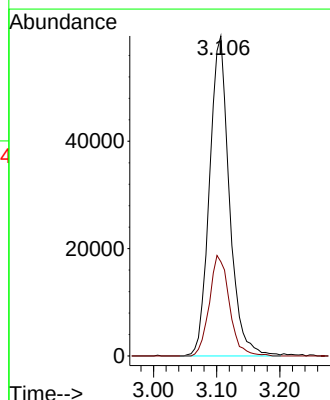
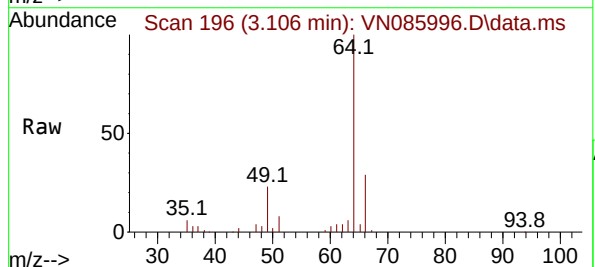
Manual Integrations
APPROVED

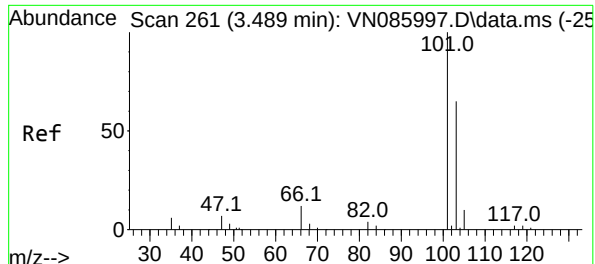
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#6
Chloroethane
Concen: 94.868 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 64 Resp: 130043
Ion Ratio Lower Upper
64 100
66 29.5 28.3 42.5





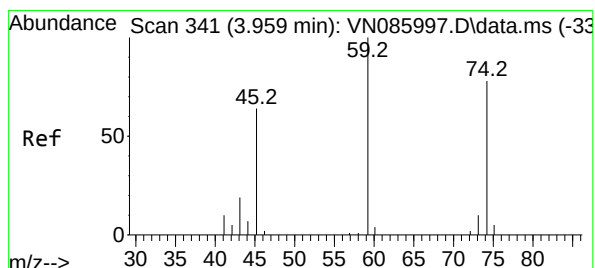
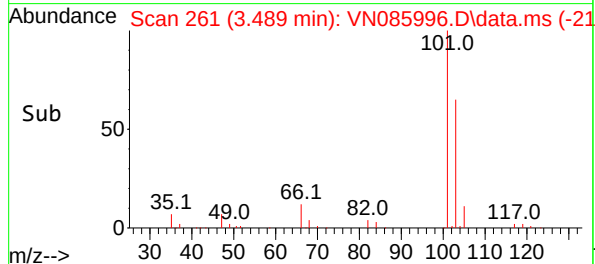
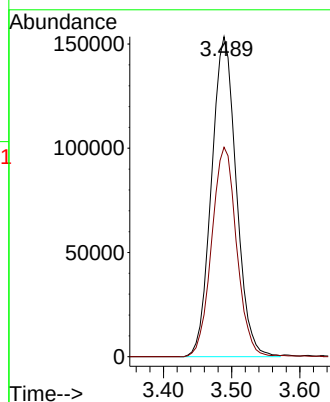
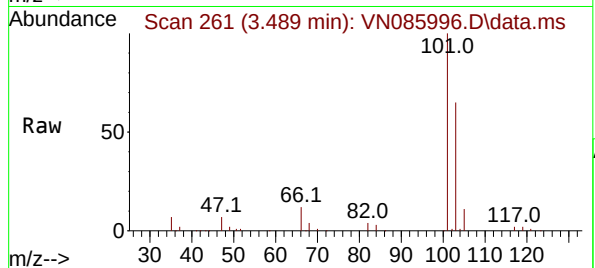
#7
Trichlorofluoromethane
Concen: 99.243 ug/l
RT: 3.489 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 387652
Ion Ratio Lower Upper
101 100
103 65.5 51.7 77.5

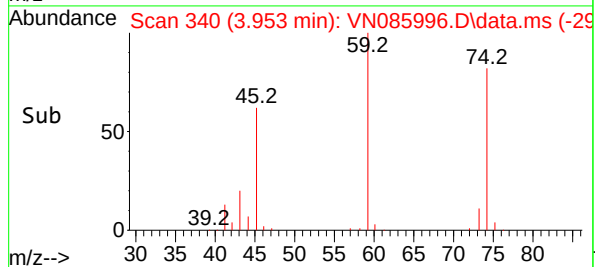
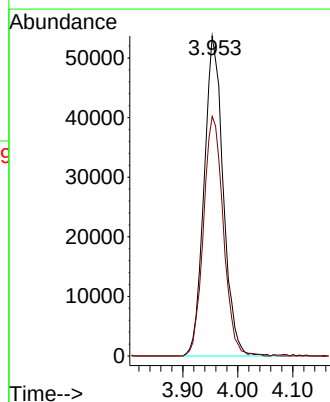
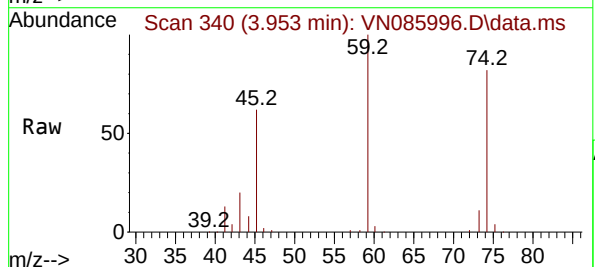
Manual Integrations
APPROVED

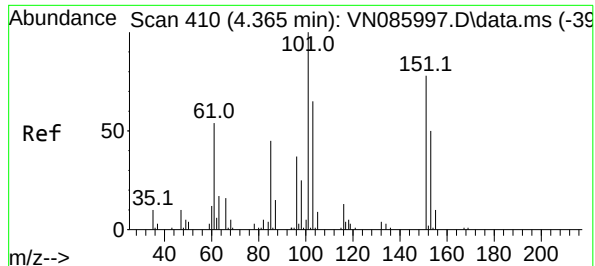
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#8
Diethyl Ether
Concen: 108.290 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 74 Resp: 129491
Ion Ratio Lower Upper
74 100
45 77.8 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.130 ug/l

RT: 4.365 min Scan# 410

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:101 Resp: 209940

Ion Ratio Lower Upper

101 100

85 46.0 36.5 54.7

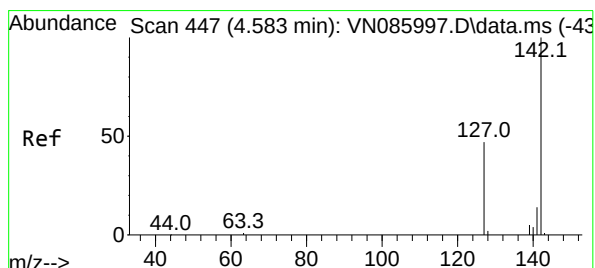
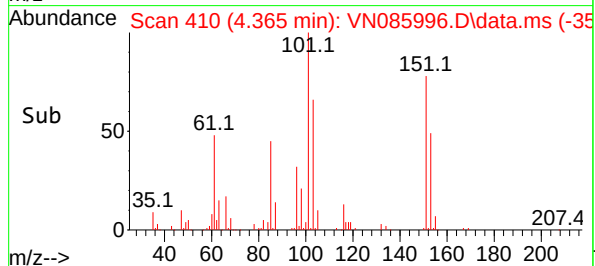
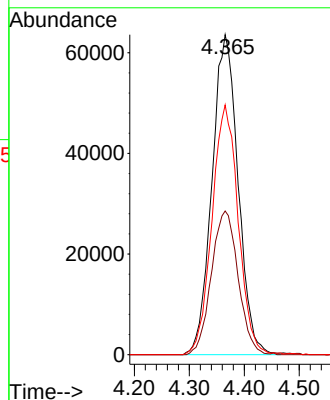
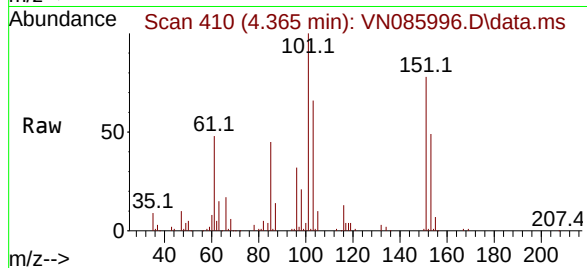
151 78.4 63.4 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#10

Methyl Iodide

Concen: 109.651 ug/l

RT: 4.583 min Scan# 447

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

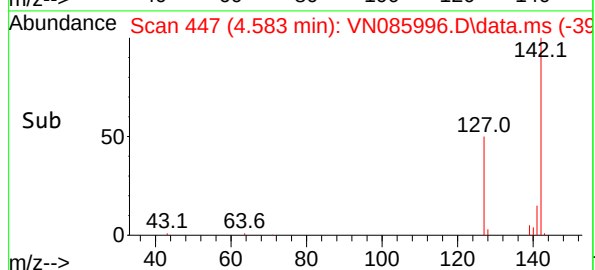
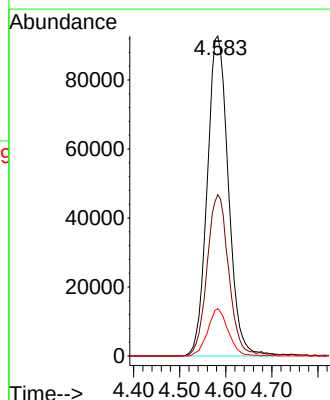
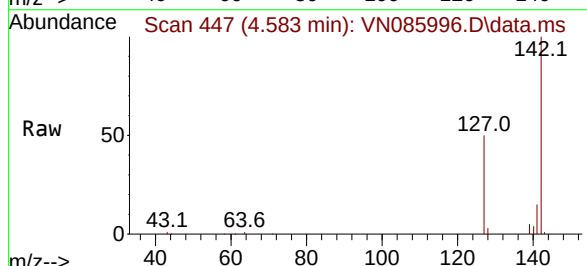
Tgt Ion:142 Resp: 296609

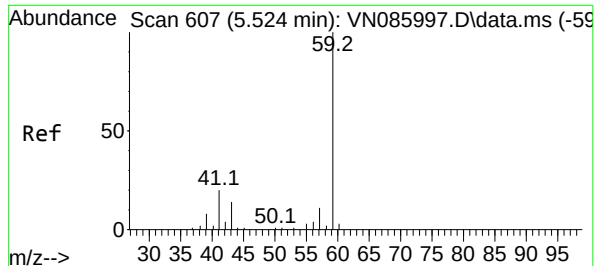
Ion Ratio Lower Upper

142 100

127 50.4 37.5 56.3

141 14.8 11.0 16.6





#11

Tert butyl alcohol

Concen: 486.176 ug/l

RT: 5.518 min Scan# 607

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 172460

Ion Ratio Lower Upper

59 100

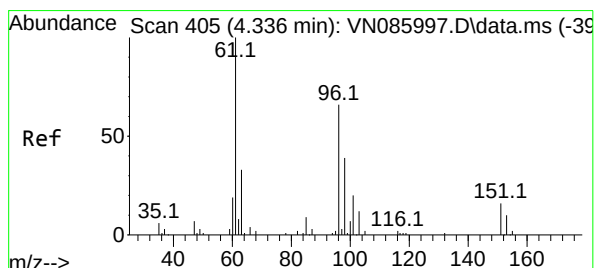
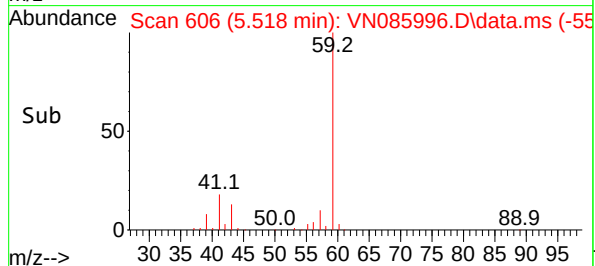
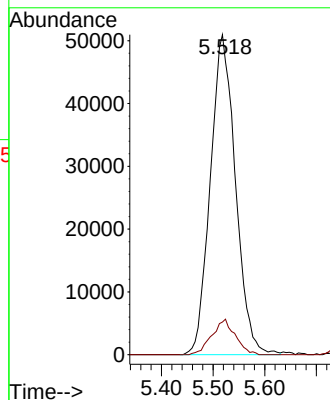
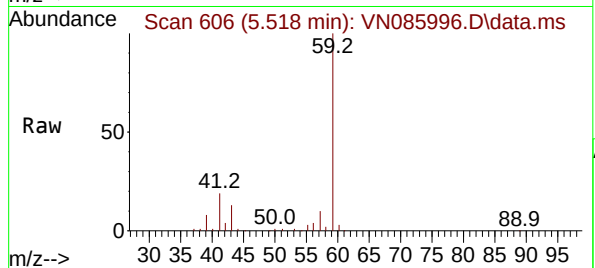
57 10.3 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#12

1,1-Dichloroethene

Concen: 110.639 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

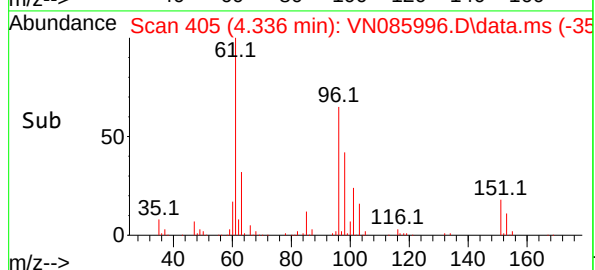
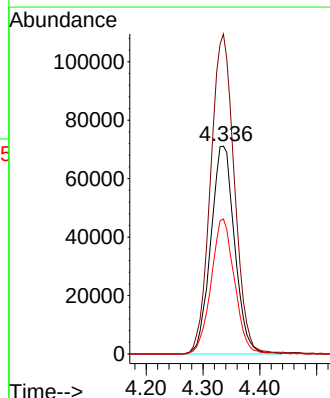
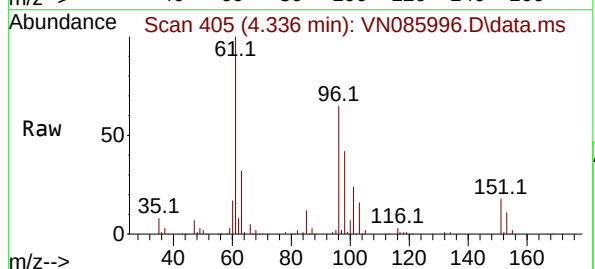
Tgt Ion: 96 Resp: 207400

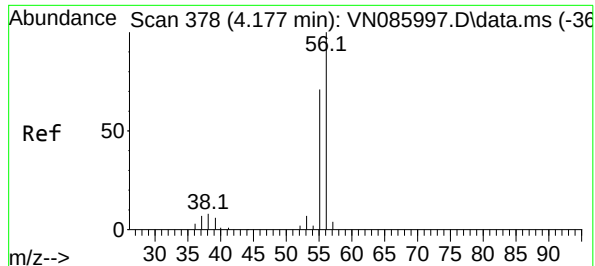
Ion Ratio Lower Upper

96 100

61 153.9 120.5 180.7

98 65.0 47.4 71.0





#13

Acrolein

Concen: 476.573 ug/l

RT: 4.171 min Scan# 31

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 18031

Ion Ratio Lower Upper

56 100

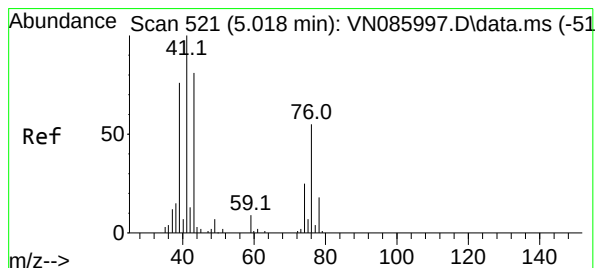
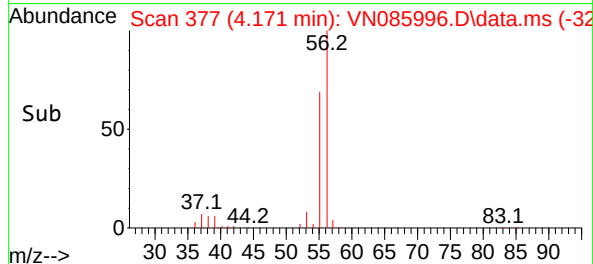
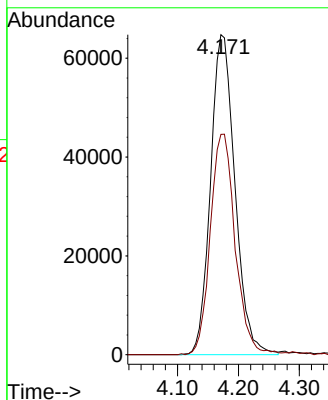
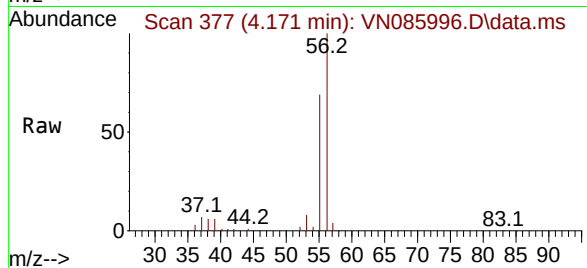
55 70.2 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 106.826 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

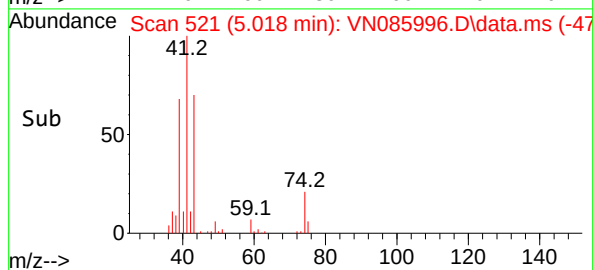
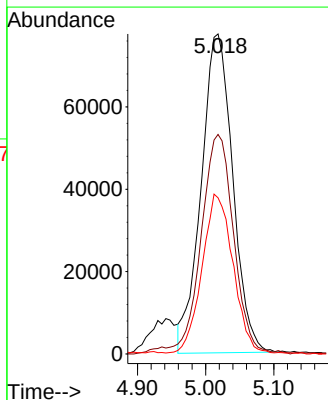
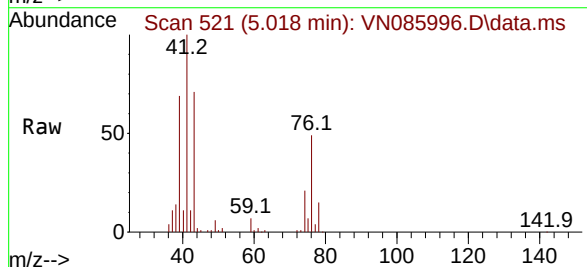
Tgt Ion: 41 Resp: 249826

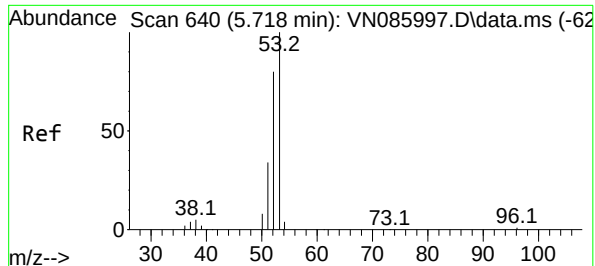
Ion Ratio Lower Upper

41 100

39 71.6 55.5 83.3

76 48.6 39.1 58.7





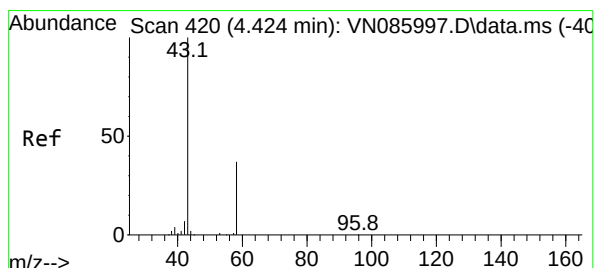
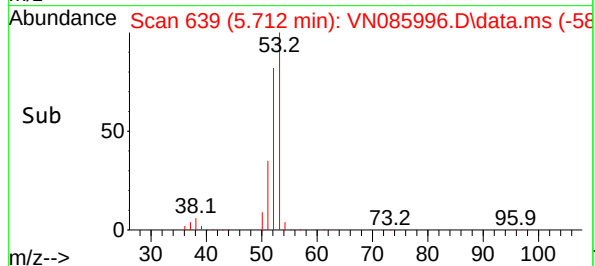
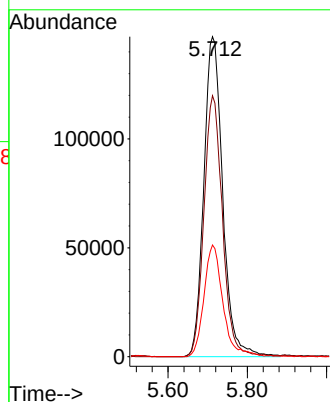
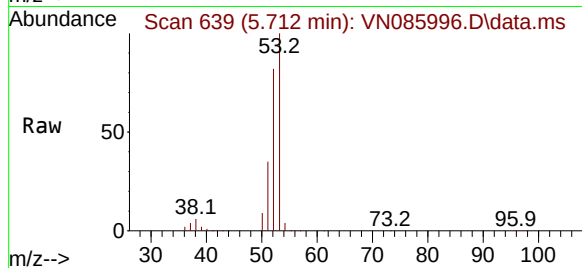
#15
Acrylonitrile
Concen: 519.314 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 48652
Ion Ratio Lower Upper
53 100
52 80.2 63.9 95.9
51 35.2 27.1 40.7

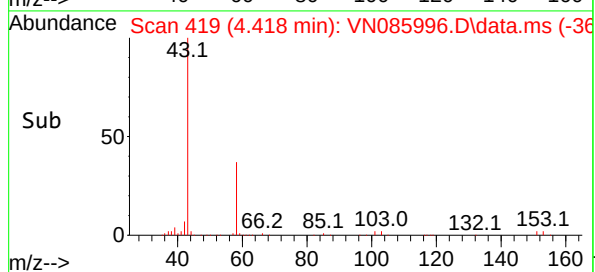
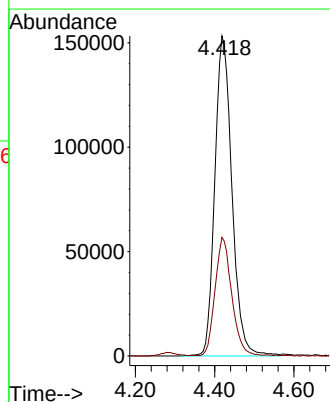
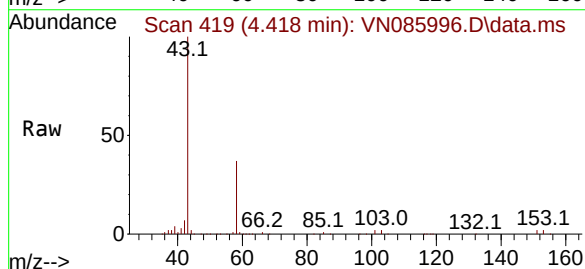
Manual Integrations
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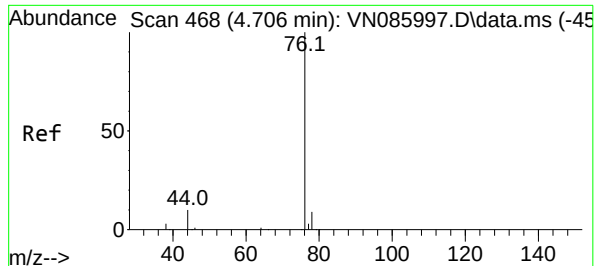
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#16
Acetone
Concen: 600.330 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 43 Resp: 459532
Ion Ratio Lower Upper
43 100
58 36.9 29.4 44.2





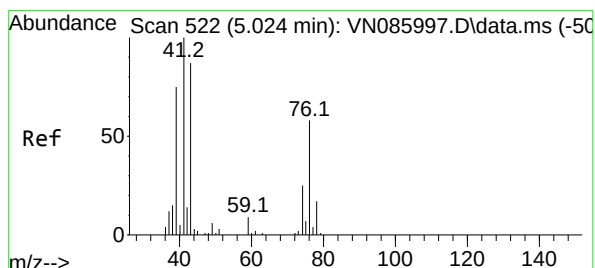
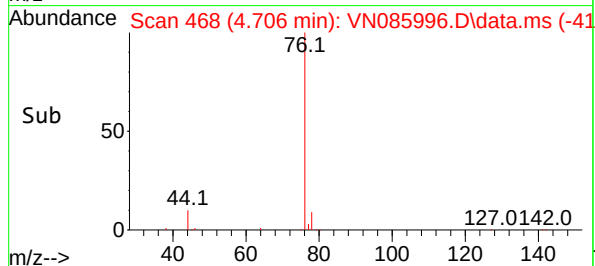
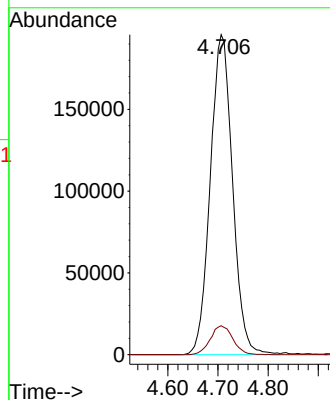
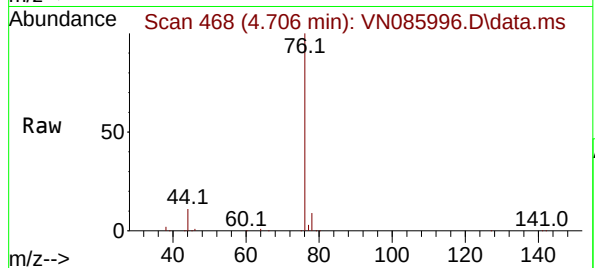
#17
Carbon Disulfide
Concen: 97.911 ug/l
RT: 4.706 min Scan# 408
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 603612
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

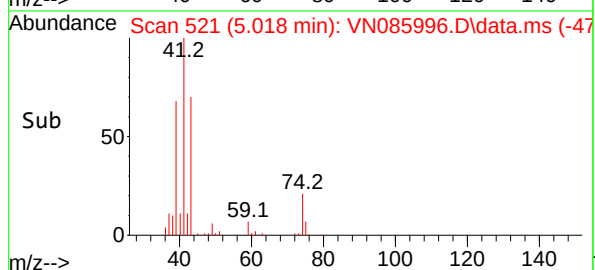
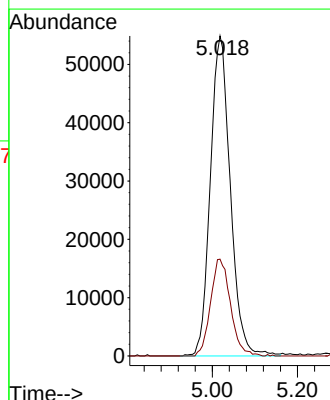
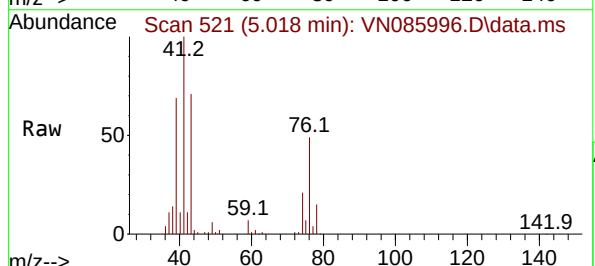
Manual Integrations
APPROVED

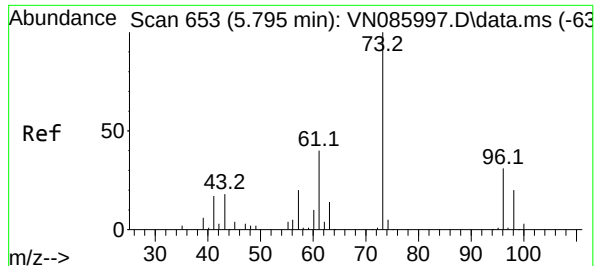
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#18
Methyl Acetate
Concen: 94.384 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 43 Resp: 178753
Ion Ratio Lower Upper
43 100
74 30.1 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 112.481 ug/l

RT: 5.789 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 690939

Ion Ratio Lower Upper

73 100

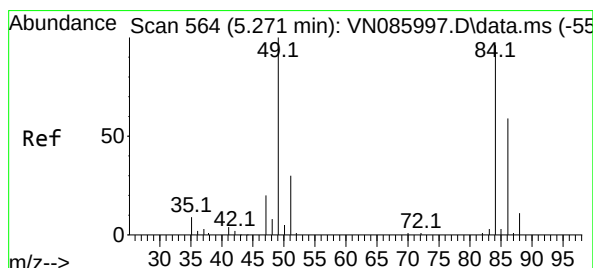
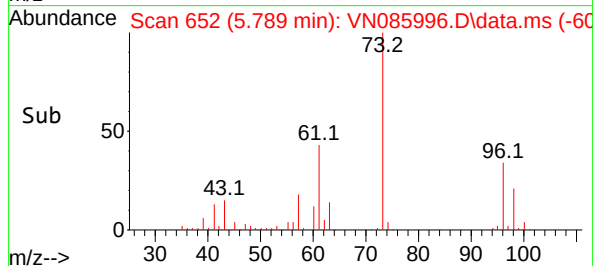
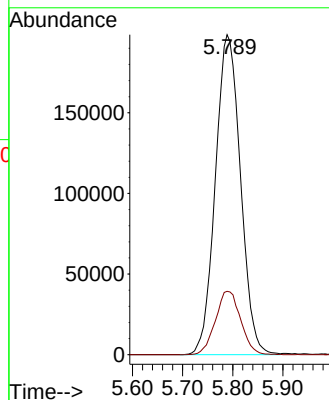
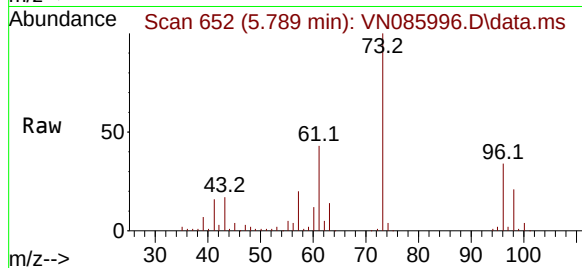
57 19.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#20

Methylene Chloride

Concen: 100.177 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Tgt Ion: 84 Resp: 224327

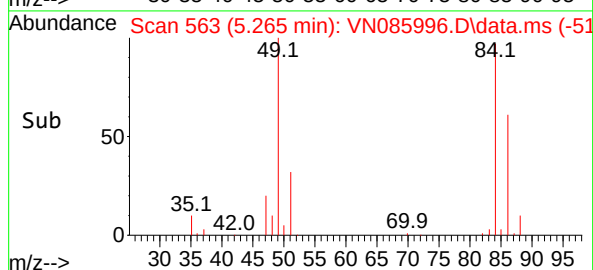
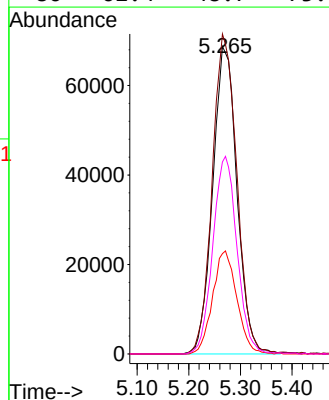
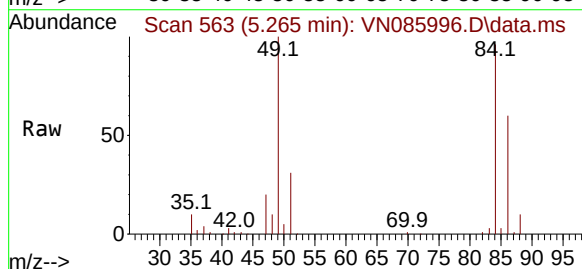
Ion Ratio Lower Upper

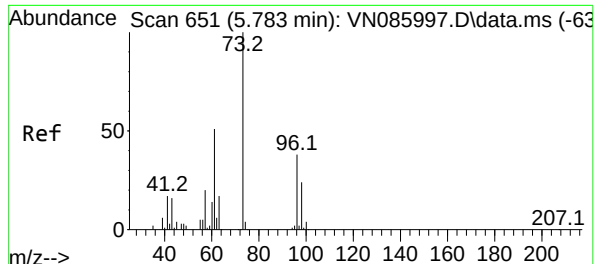
84 100

49 104.1 83.3 124.9

51 32.6 24.8 37.2

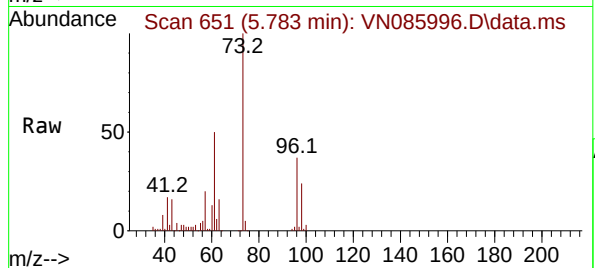
86 62.4 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 107.710 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

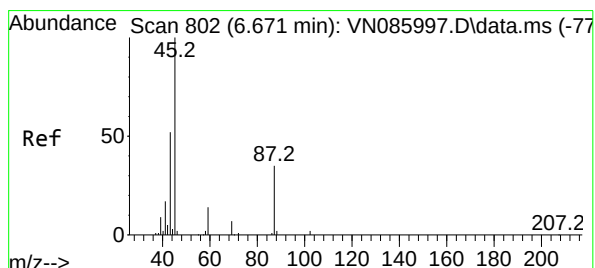
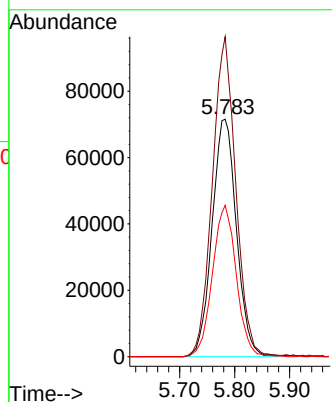
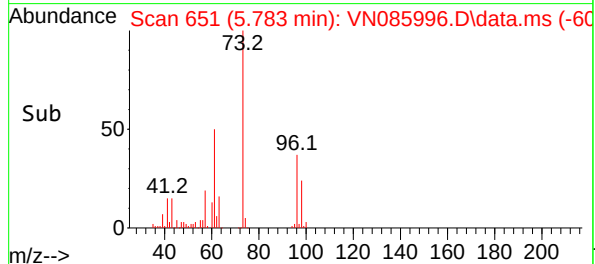
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 22065
Ion Ratio Lower Upper
96 100
61 134.8 106.6 160.0
98 63.8 50.0 75.0

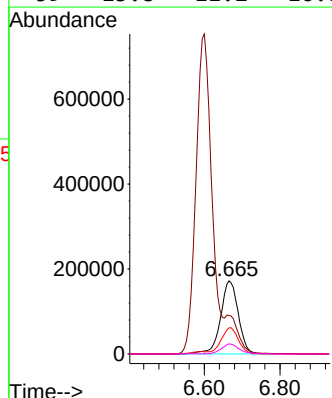
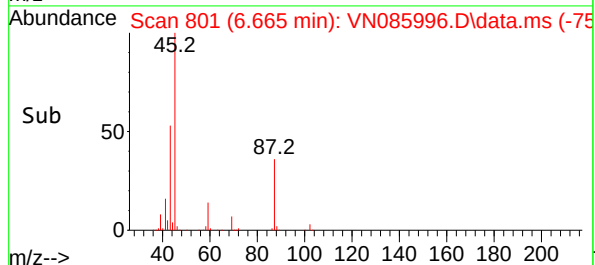
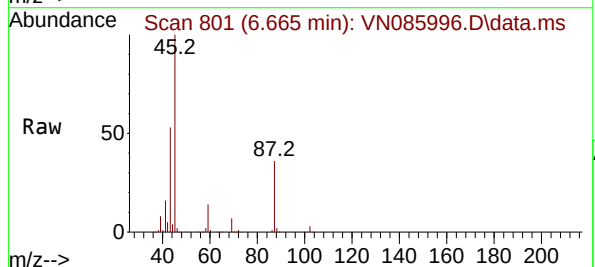
Manual Integrations
APPROVED

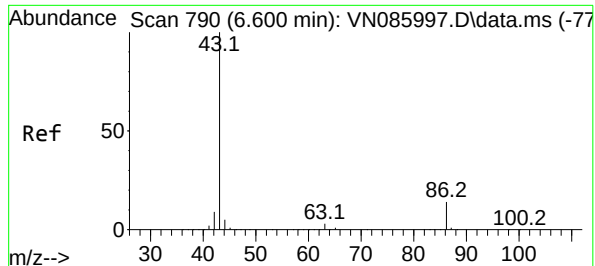
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 112.225 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 45 Resp: 559282
Ion Ratio Lower Upper
45 100
43 52.2 41.2 61.8
87 35.5 28.5 42.7
59 13.8 11.2 16.8





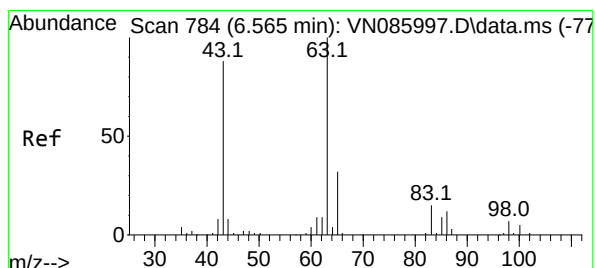
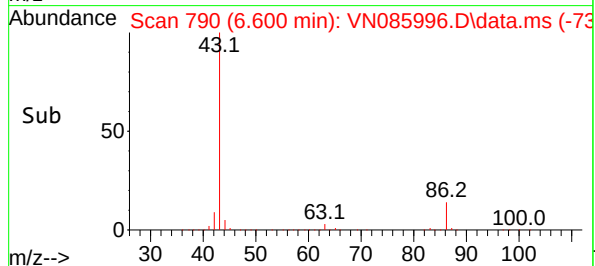
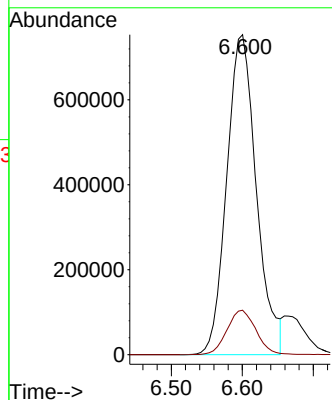
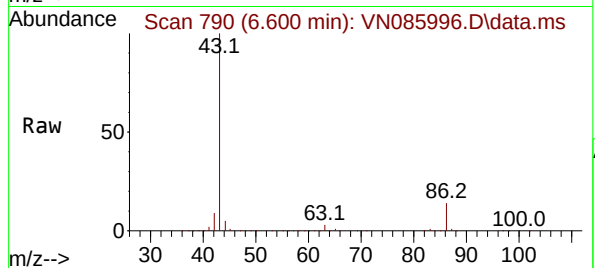
#23
Vinyl Acetate
Concen: 579.034 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 218766
Ion Ratio Lower Upper
43 100
86 13.9 11.2 16.8

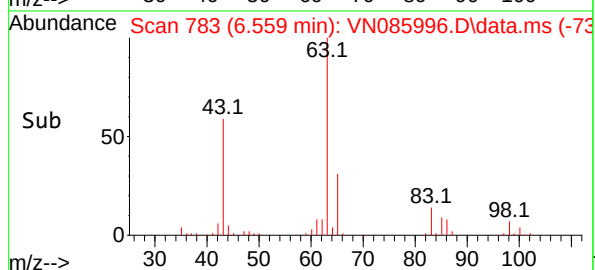
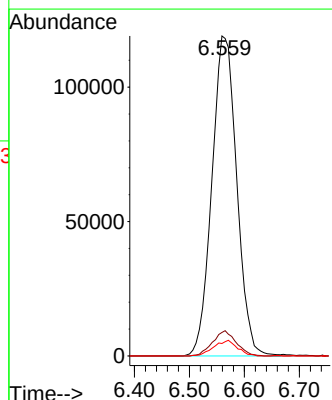
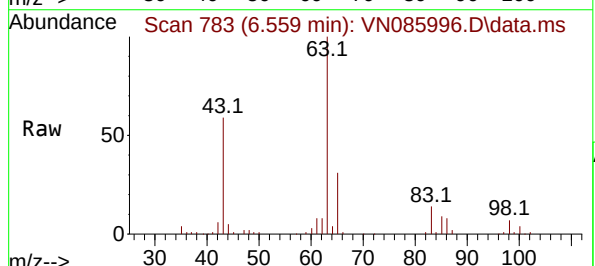
Manual Integrations
APPROVED

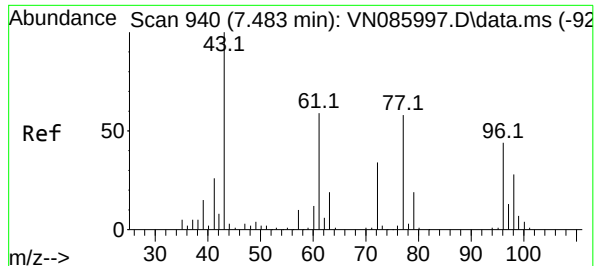
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#24
1,1-Dichloroethane
Concen: 102.121 ug/l
RT: 6.559 min Scan# 783
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 63 Resp: 374239
Ion Ratio Lower Upper
63 100
98 7.4 3.6 10.9
100 3.9 2.5 7.5





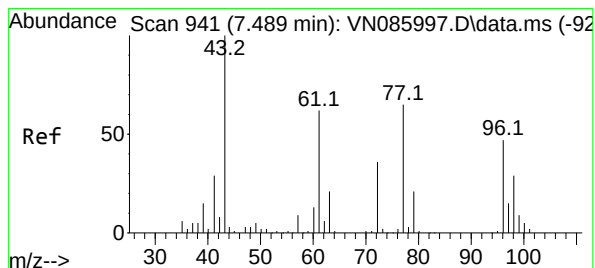
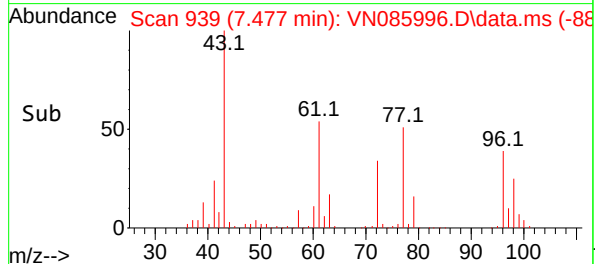
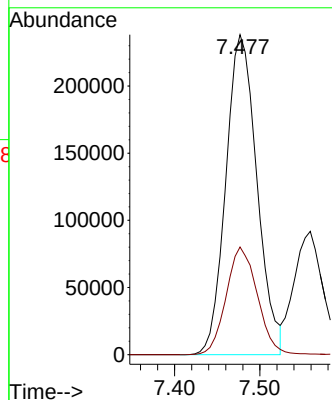
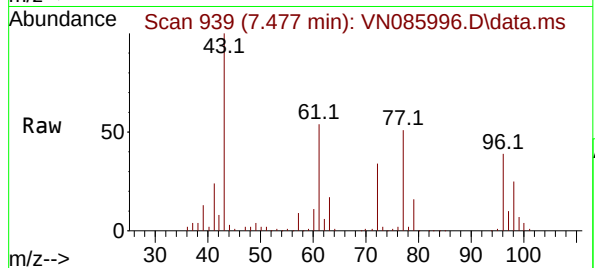
#25
2-Butanone
Concen: 548.306 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 60561
Ion Ratio Lower Upper
43 100
72 33.7 27.4 41.0

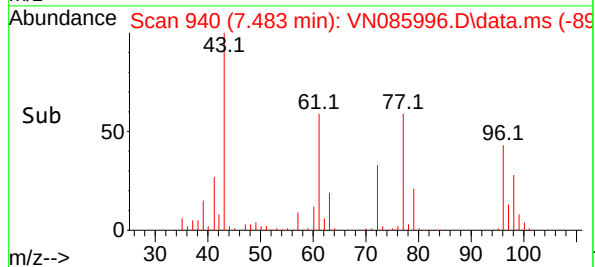
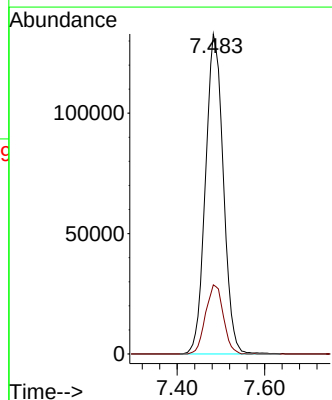
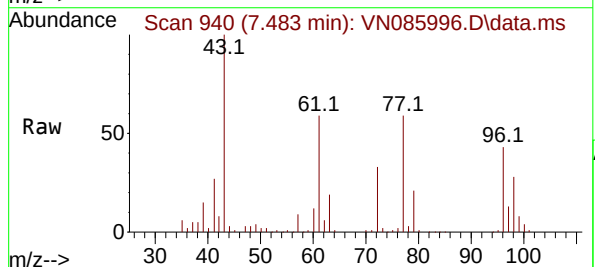
Manual Integrations
APPROVED

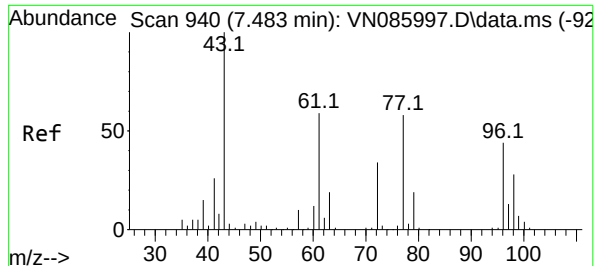
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#26
2,2-Dichloropropane
Concen: 107.034 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 77 Resp: 377635
Ion Ratio Lower Upper
77 100
97 21.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 108.218 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Tgt Ion: 96 Resp: 251929

Ion Ratio Lower Upper

96 100

61 138.2 0.0 272.8

98 64.6 0.0 124.8

Instrument :

MSVOA_N

ClientSampleId :

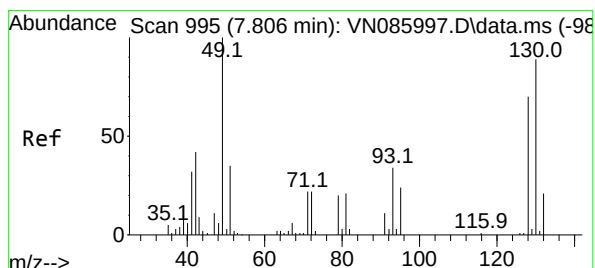
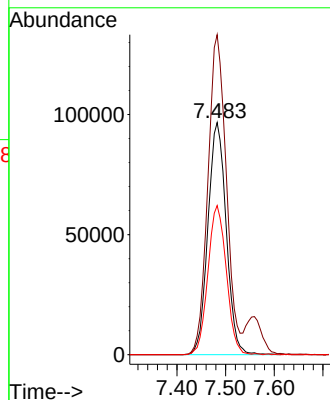
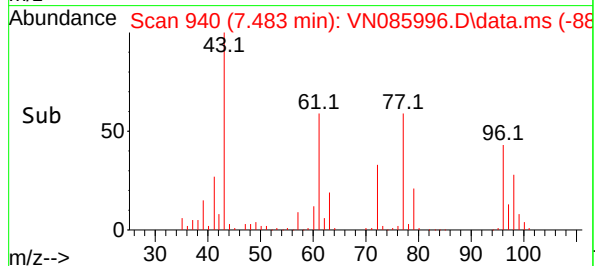
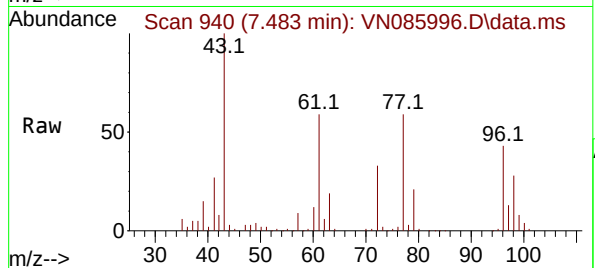
VSTDIC100

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#28

Bromochloromethane

Concen: 94.874 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

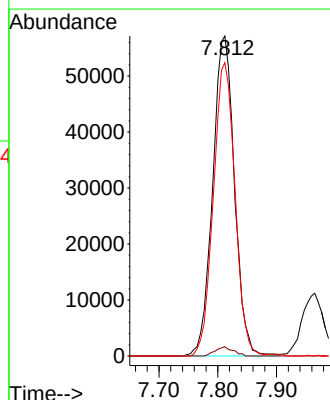
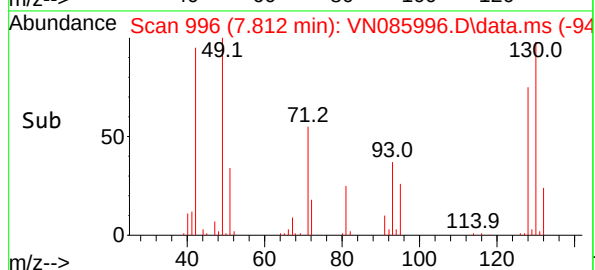
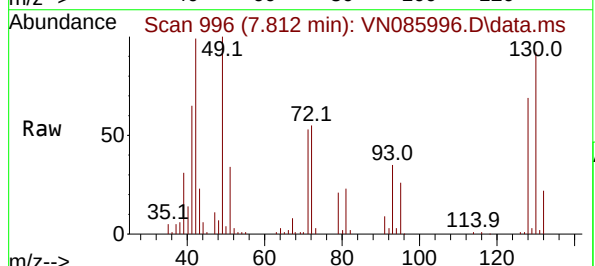
Tgt Ion: 49 Resp: 147305

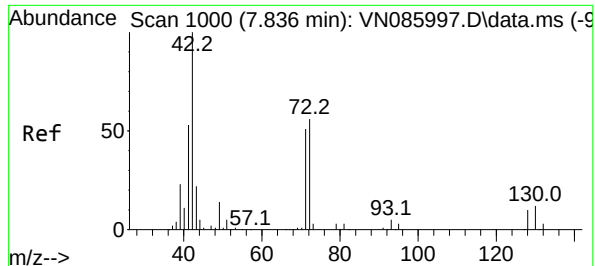
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.2

130 90.9 74.2 111.4





#29

Tetrahydrofuran

Concen: 546.087 ug/l

RT: 7.830 min Scan# 999

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 372372

Ion Ratio Lower Upper

42 100

72 55.6 45.0 67.4

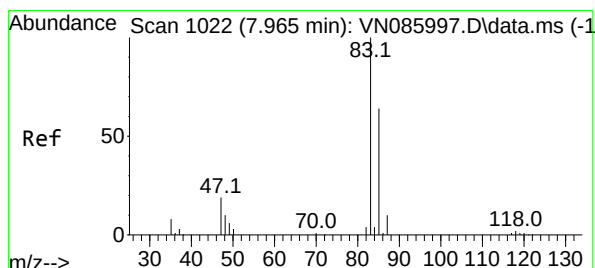
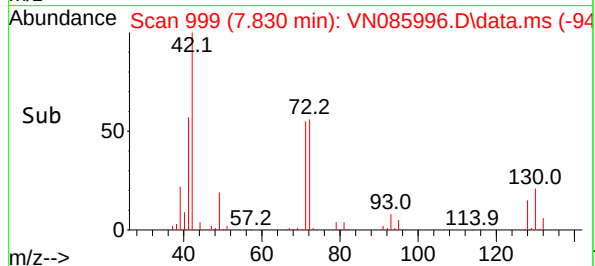
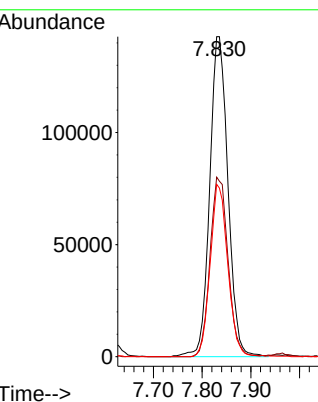
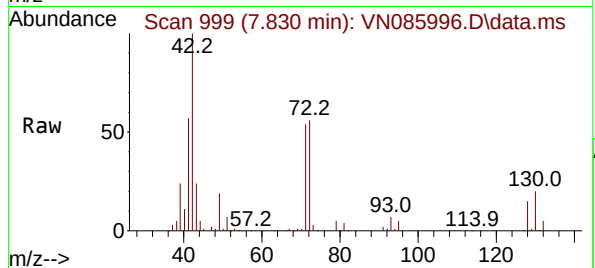
71 51.7 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 101.106 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN085996.D

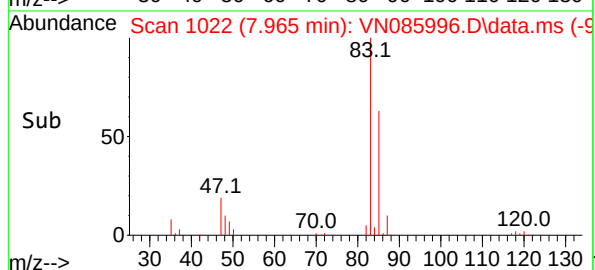
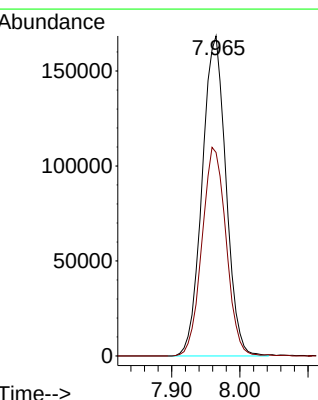
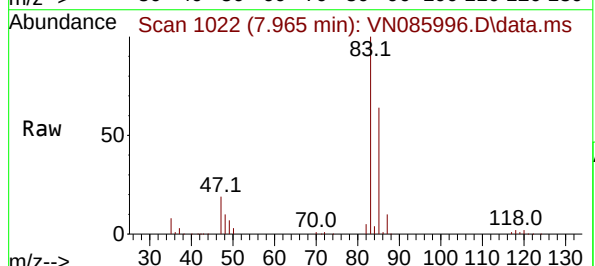
Acq: 18 Mar 2025 11:44

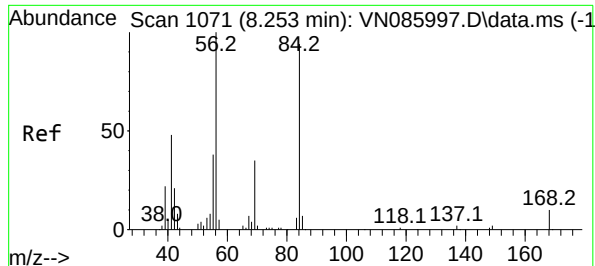
Tgt Ion: 83 Resp: 409546

Ion Ratio Lower Upper

83 100

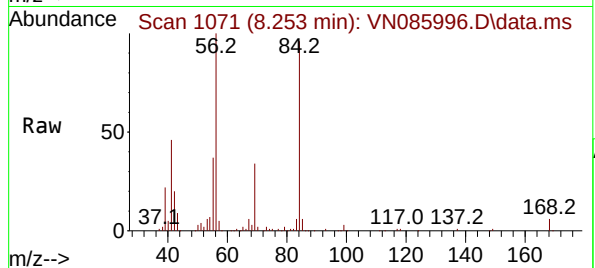
85 63.6 51.5 77.3





#31
Cyclohexane
Concen: 104.345 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

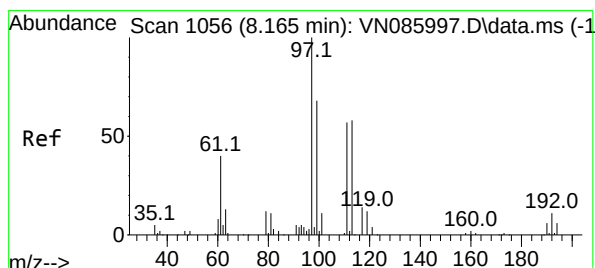
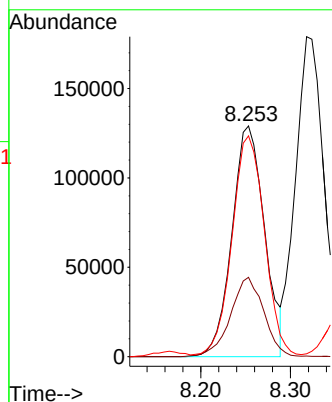
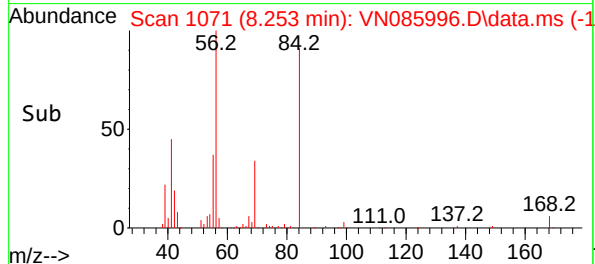
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 56 Resp: 32575
Ion Ratio Lower Upper
56 100
69 34.4 28.0 42.0
84 94.2 75.0 112.6

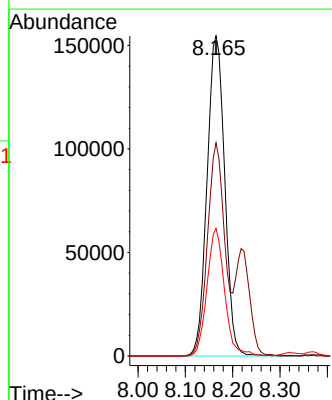
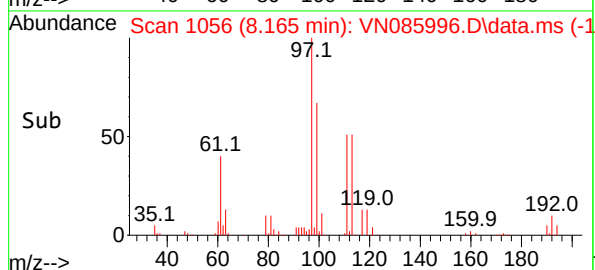
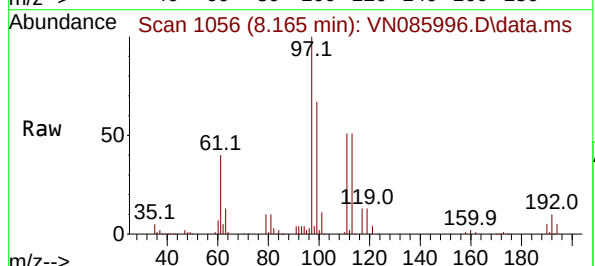
Manual Integrations
APPROVED

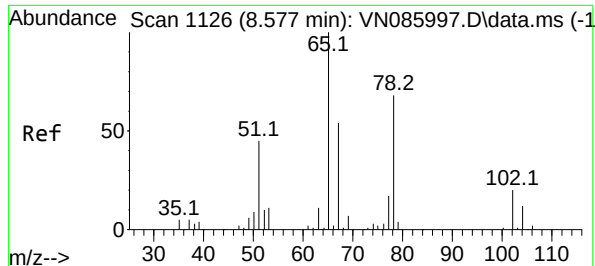
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#32
1,1,1-Trichloroethane
Concen: 104.344 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 97 Resp: 400089
Ion Ratio Lower Upper
97 100
99 66.2 52.8 79.2
61 39.7 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 92.312 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 23129

Ion Ratio Lower Upper

65 100

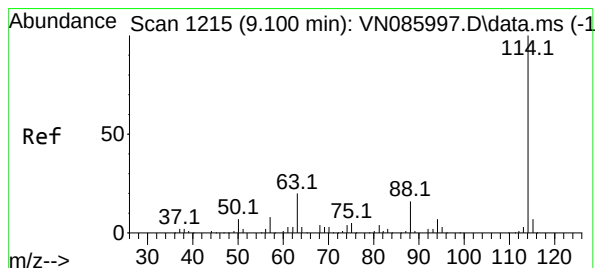
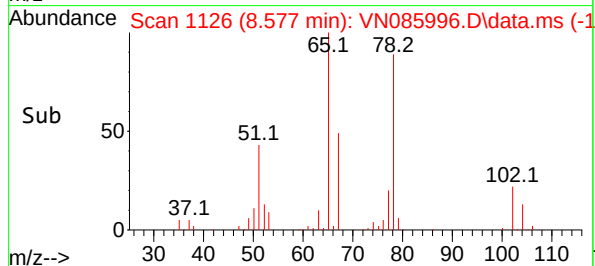
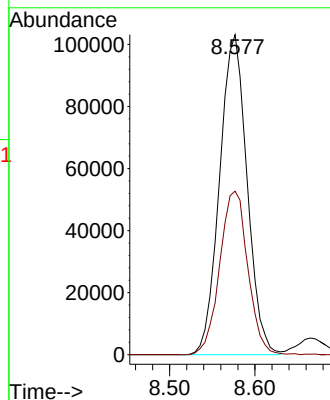
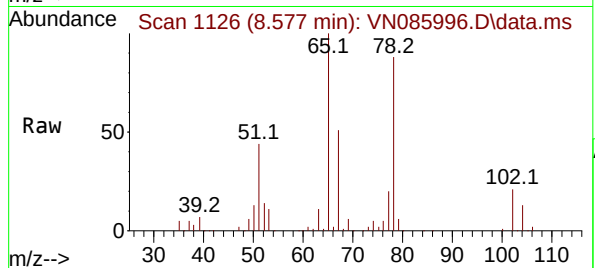
67 52.3 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

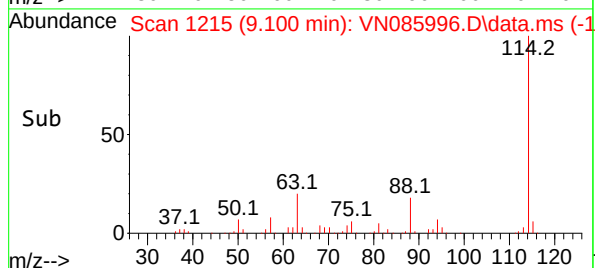
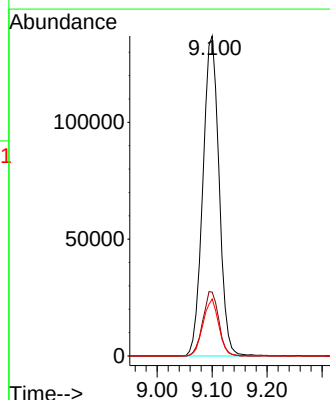
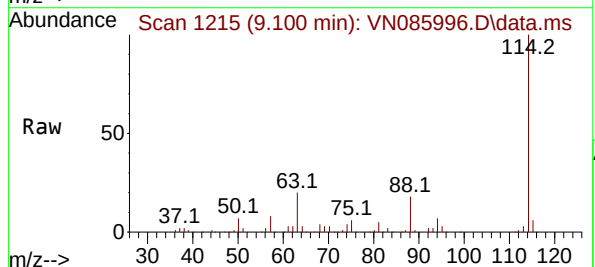
Tgt Ion:114 Resp: 280238

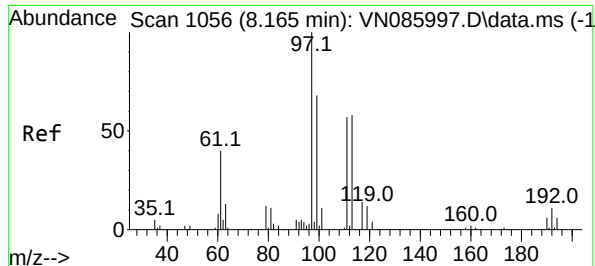
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 17.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 95.442 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 186688

Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.8

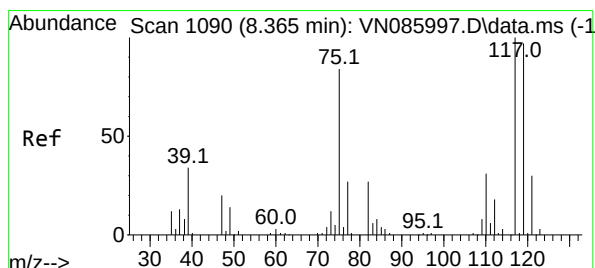
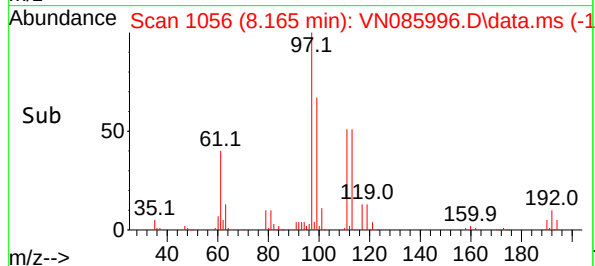
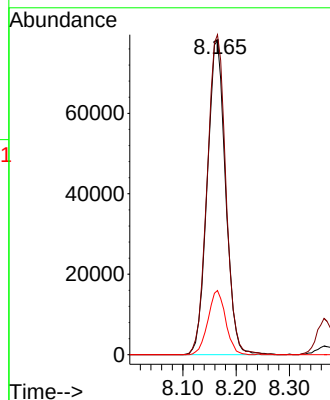
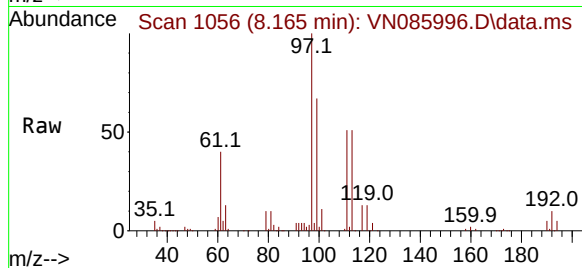
192 19.7 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#36

1,1-Dichloropropene

Concen: 114.993 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

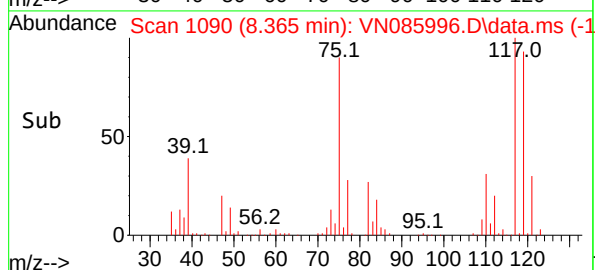
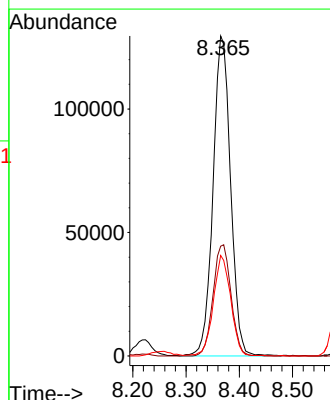
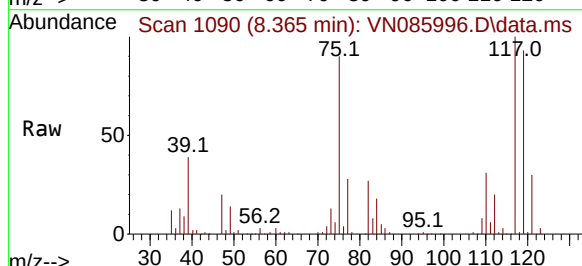
Tgt Ion: 75 Resp: 296177

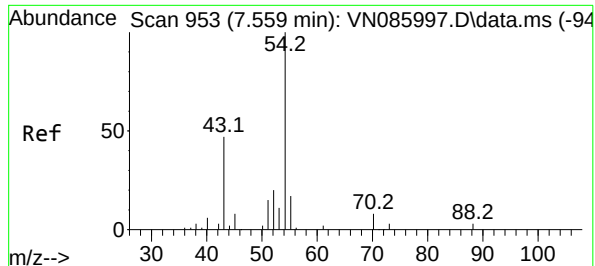
Ion Ratio Lower Upper

75 100

110 35.6 17.8 53.3

77 30.9 25.0 37.4





#37

Ethyl Acetate

Concen: 103.099 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 22402

Ion Ratio Lower Upper

43 100

61 15.5 13.0 19.4

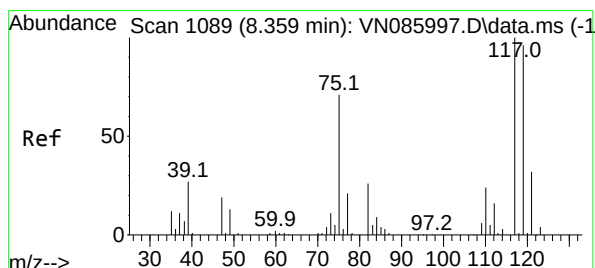
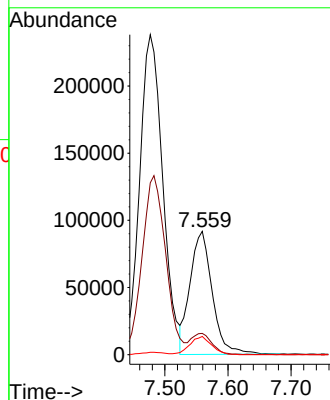
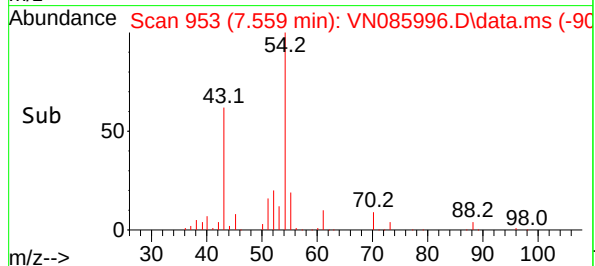
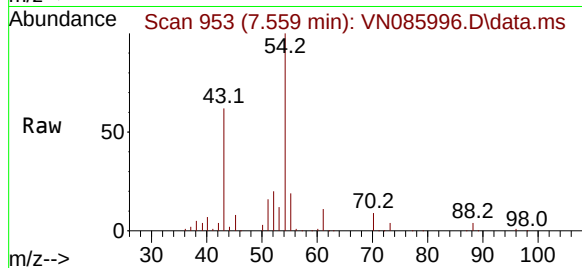
70 14.5 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#38

Carbon Tetrachloride

Concen: 111.395 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

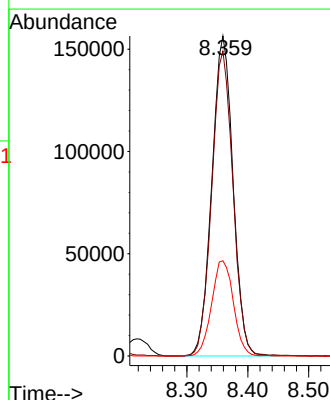
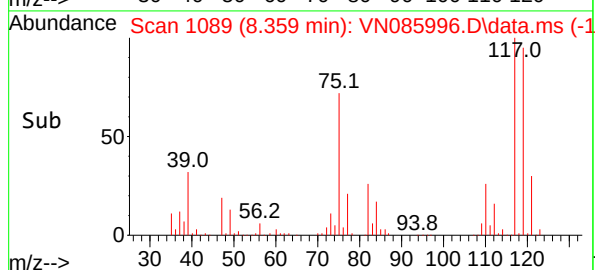
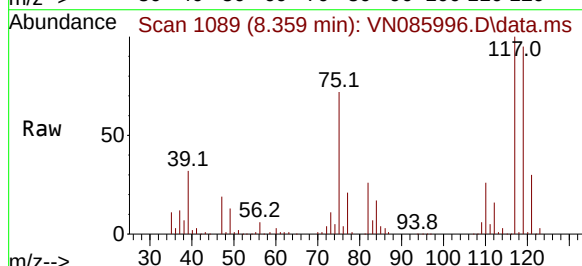
Tgt Ion:117 Resp: 377239

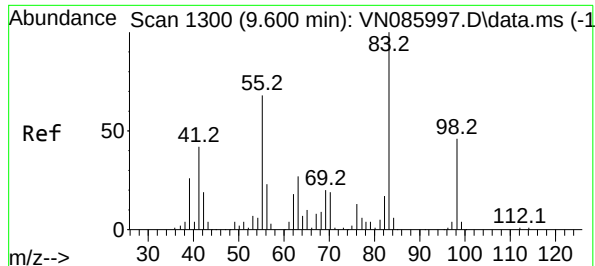
Ion Ratio Lower Upper

117 100

119 95.3 77.0 115.4

121 29.8 25.6 38.4





#39

Methylcyclohexane

Concen: 126.957 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 324420

Ion Ratio Lower Upper

83 100

55 70.2 54.2 81.2

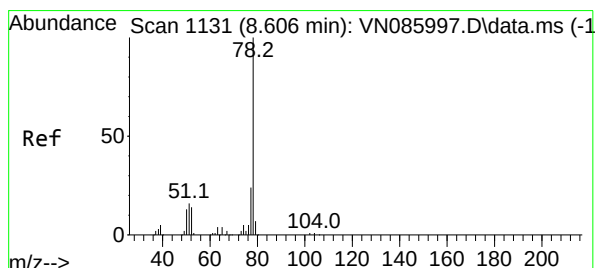
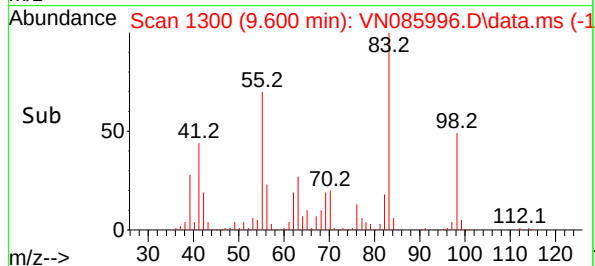
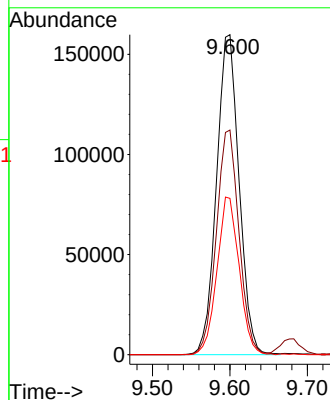
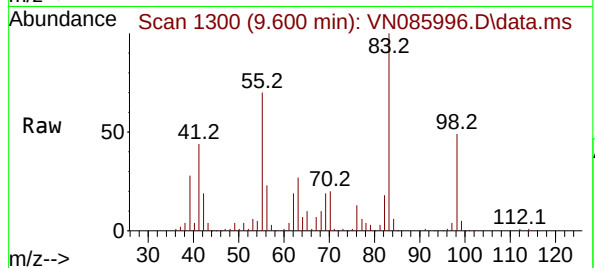
98 48.9 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#40

Benzene

Concen: 111.613 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN085996.D

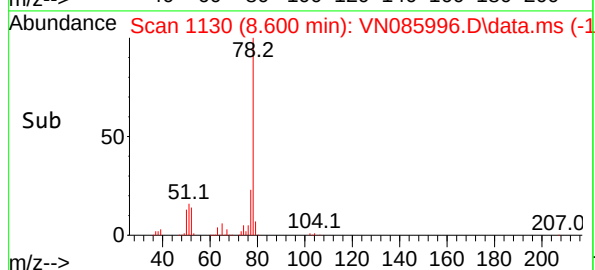
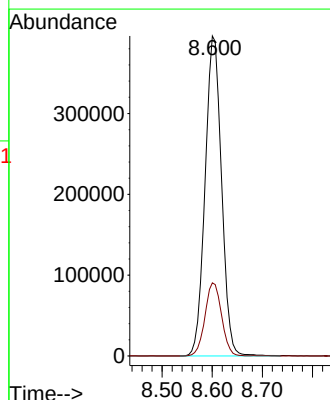
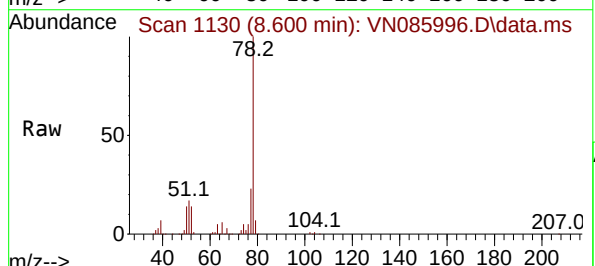
Acq: 18 Mar 2025 11:44

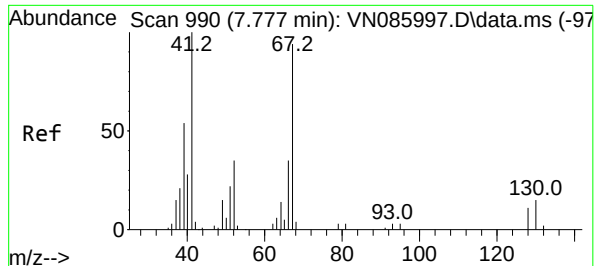
Tgt Ion: 78 Resp: 902443

Ion Ratio Lower Upper

78 100

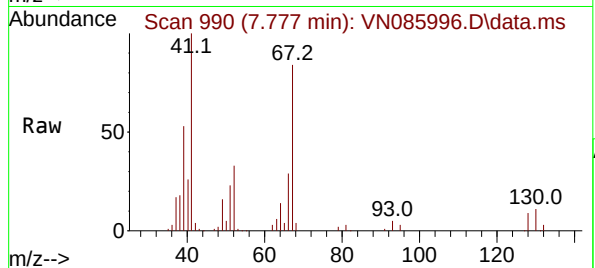
77 22.9 18.9 28.3





#41
Methacrylonitrile
Concen: 118.971 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

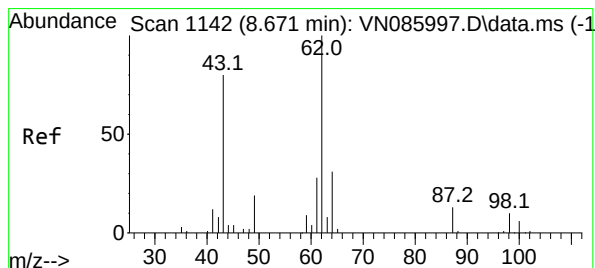
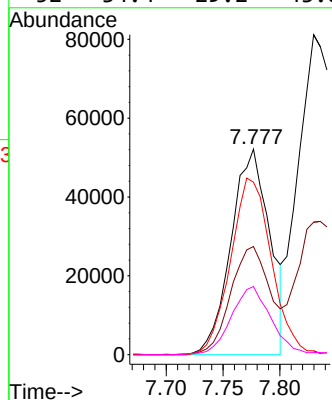
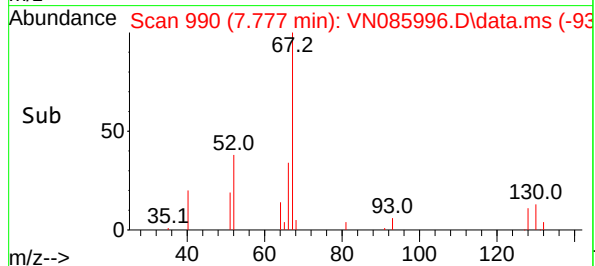
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 41 Resp: 123440
Ion Ratio Lower Upper
41 100
39 53.6 46.2 69.2
67 90.8 75.9 113.9
52 34.4 29.2 43.8

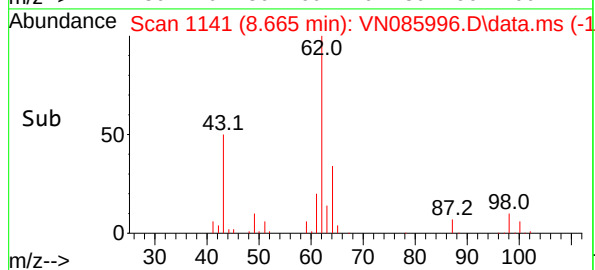
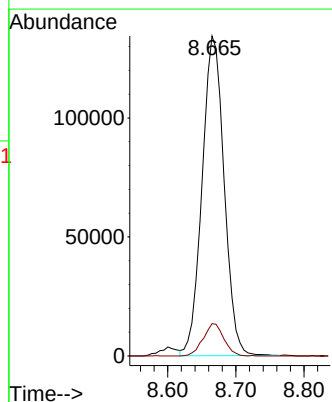
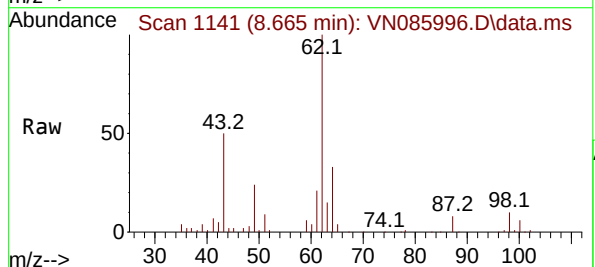
Manual Integrations
APPROVED

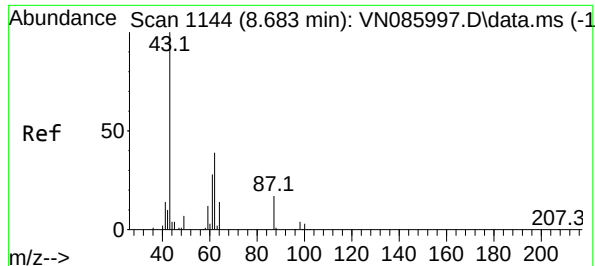
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#42
1,2-Dichloroethane
Concen: 107.080 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 62 Resp: 301678
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.6





#43

Isopropyl Acetate

Concen: 84.427 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 39836

Ion Ratio Lower Upper

43

100

61

87

30.6 25.0 37.6

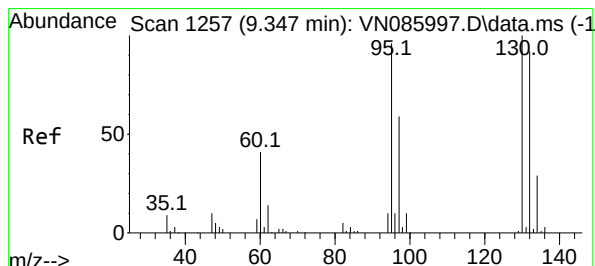
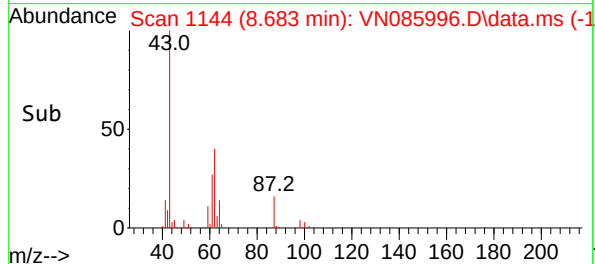
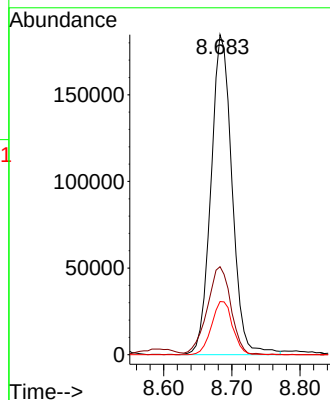
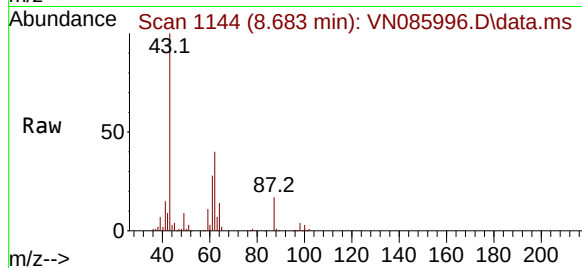
16.6 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#44

Trichloroethene

Concen: 105.460 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Tgt Ion:130 Resp: 220997

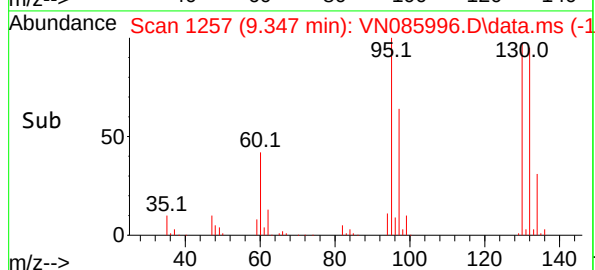
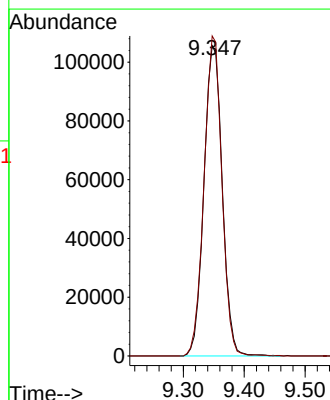
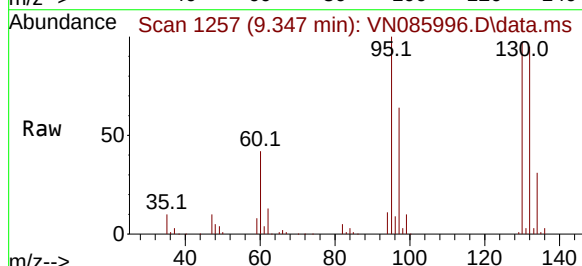
Ion Ratio Lower Upper

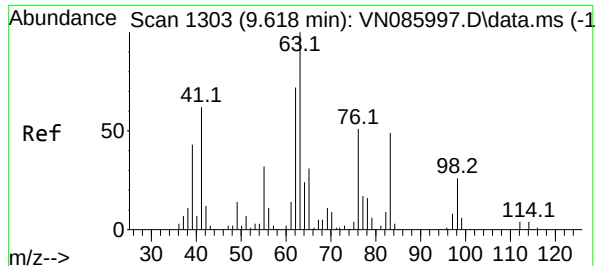
130

100

95

103.1 0.0 191.6





#45

1,2-Dichloropropane

Concen: 111.644 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 20531

Ion Ratio Lower Upper

63 100

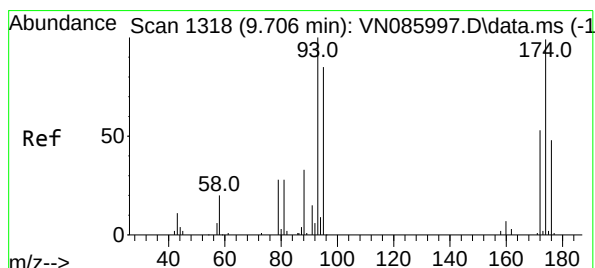
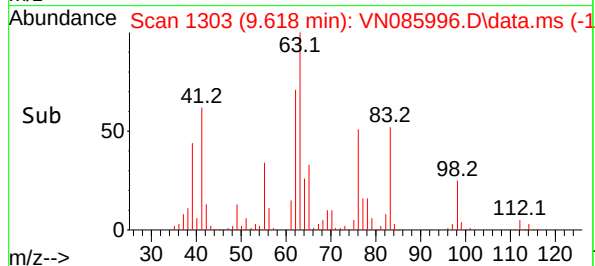
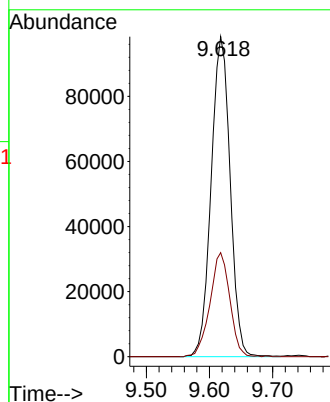
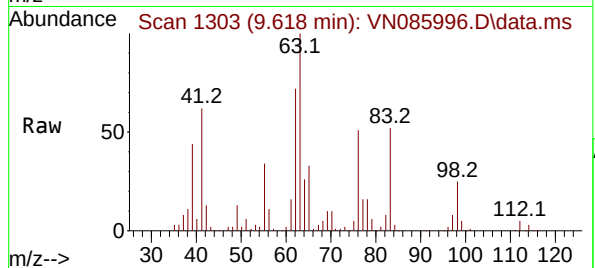
65 32.5 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#46

Dibromomethane

Concen: 107.992 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

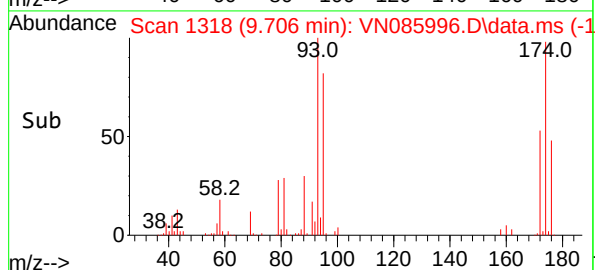
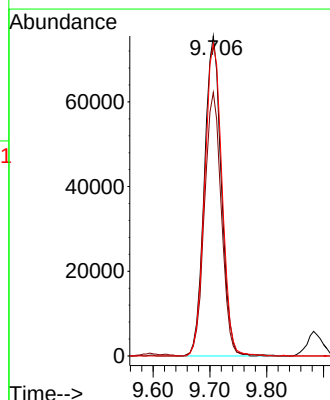
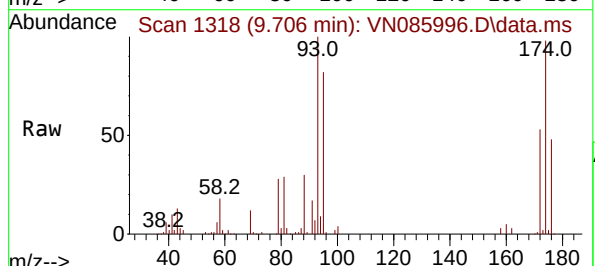
Tgt Ion: 93 Resp: 156183

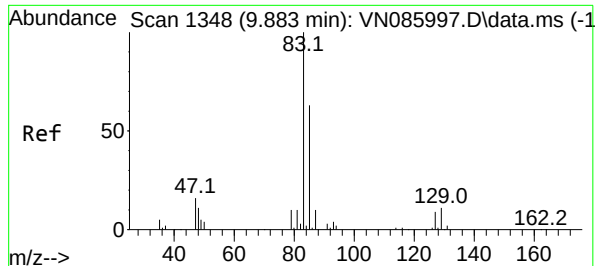
Ion Ratio Lower Upper

93 100

95 82.1 66.2 99.2

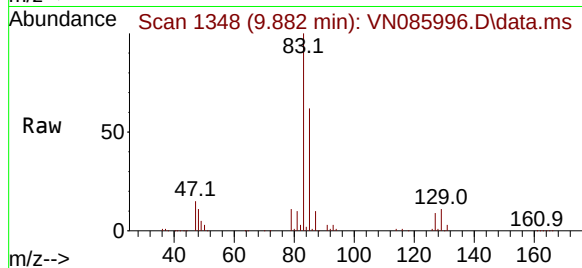
174 99.9 80.1 120.1





#47
Bromodichloromethane
Concen: 111.244 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

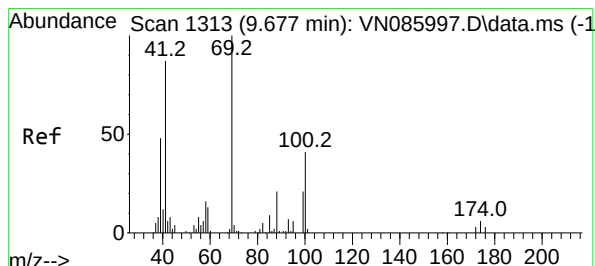
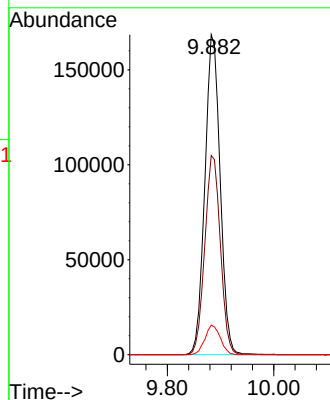
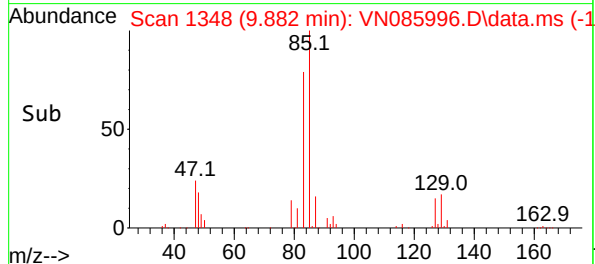
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 83 Resp: 33624
Ion Ratio Lower Upper
83 100
85 62.3 50.2 75.2
127 9.2 7.1 10.7

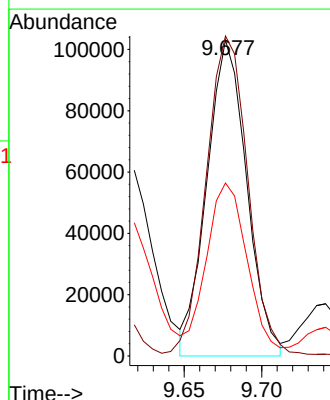
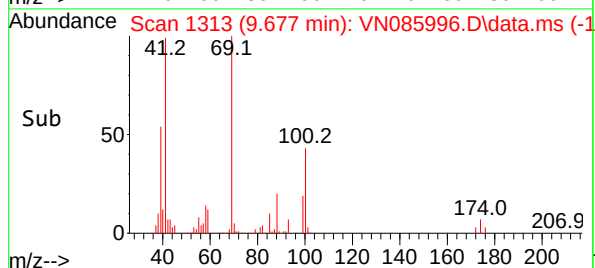
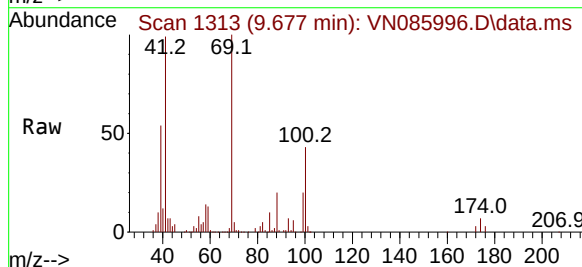
Manual Integrations
APPROVED

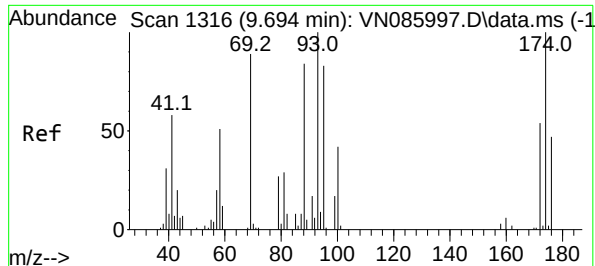
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#48
Methyl methacrylate
Concen: 118.314 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 41 Resp: 183832
Ion Ratio Lower Upper
41 100
69 107.2 83.1 124.7
39 56.7 45.6 68.4





#49

1,4-Dioxane

Concen: 2276.865 ug/l

RT: 9.688 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 88 Resp: 83630

Ion Ratio Lower Upper

88 100

43 22.7 21.7 32.5

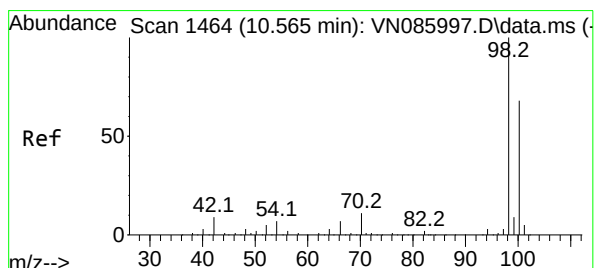
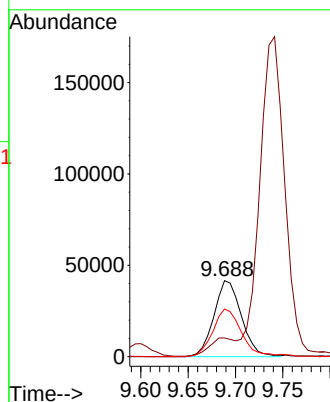
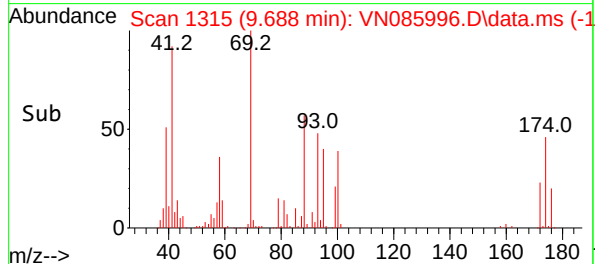
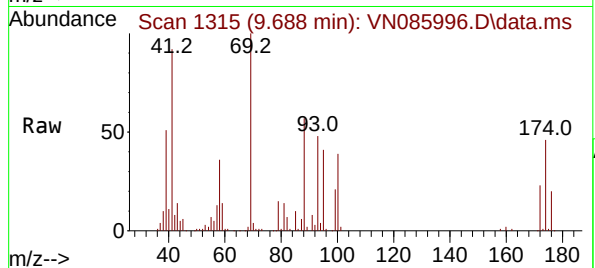
58 66.8 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#50

Toluene-d8

Concen: 103.341 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085996.D

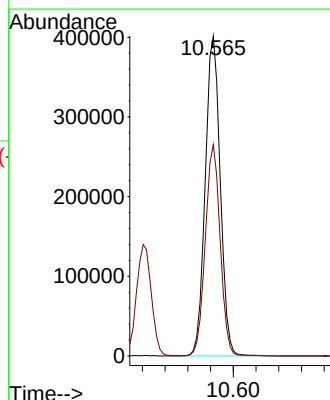
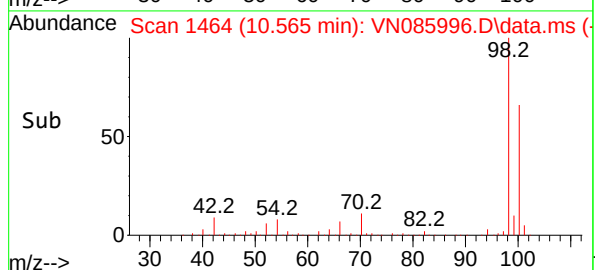
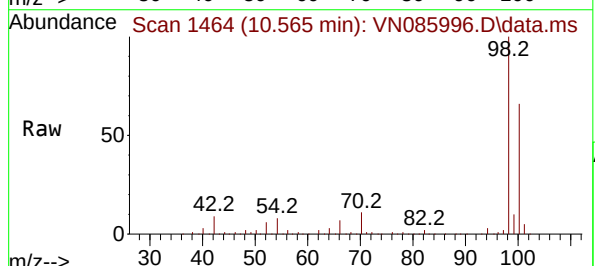
Acq: 18 Mar 2025 11:44

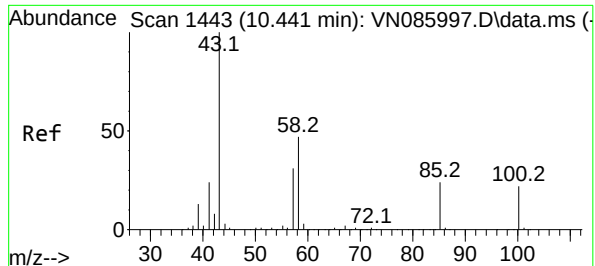
Tgt Ion: 98 Resp: 733621

Ion Ratio Lower Upper

98 100

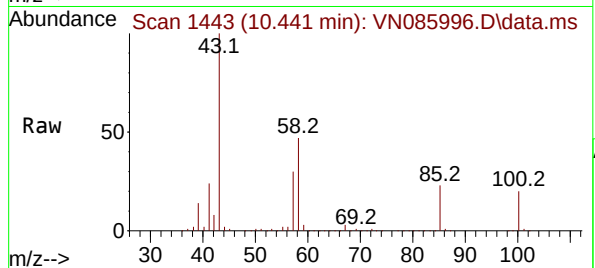
100 65.6 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 585.839 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

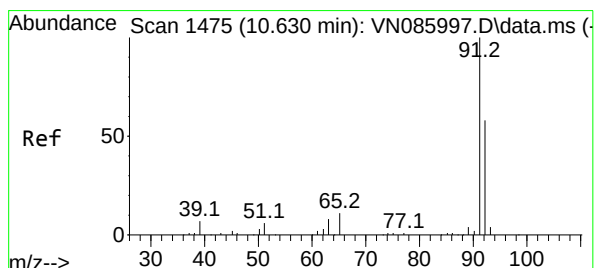
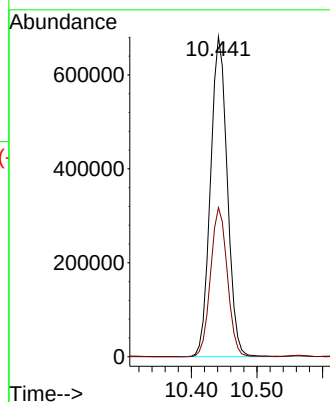
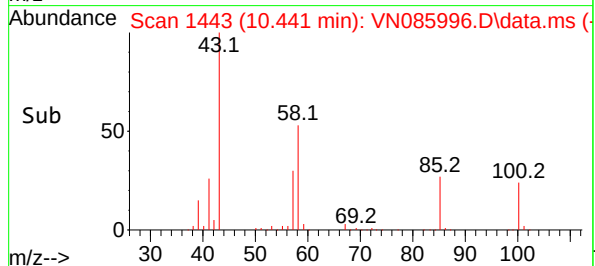
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 1216534
Ion Ratio Lower Upper
43 100
58 46.5 37.4 56.0

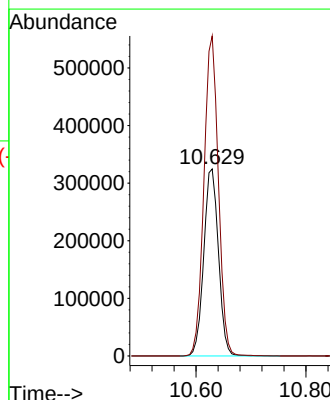
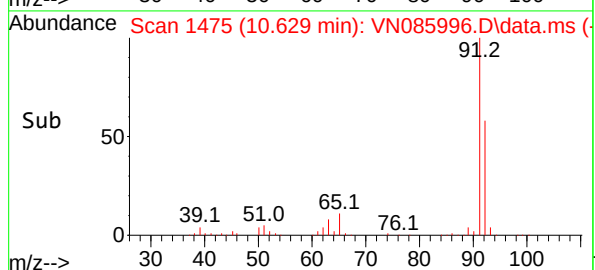
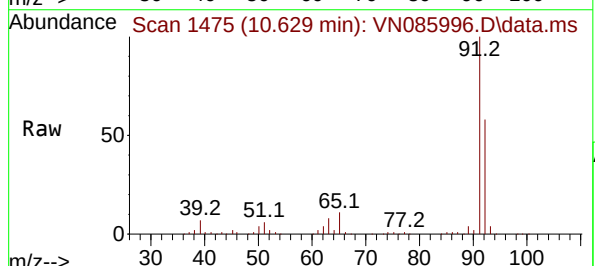
Manual Integrations
APPROVED

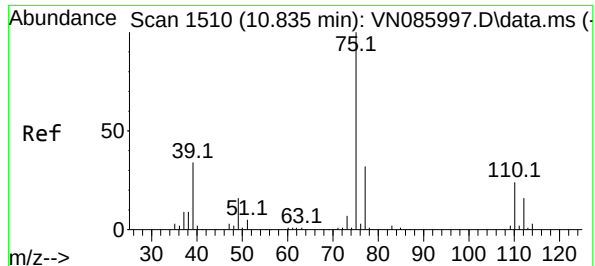
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#52
Toluene
Concen: 121.286 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

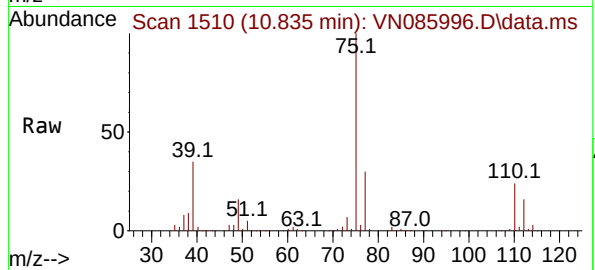
Tgt Ion: 92 Resp: 601872
Ion Ratio Lower Upper
92 100
91 168.4 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 123.365 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

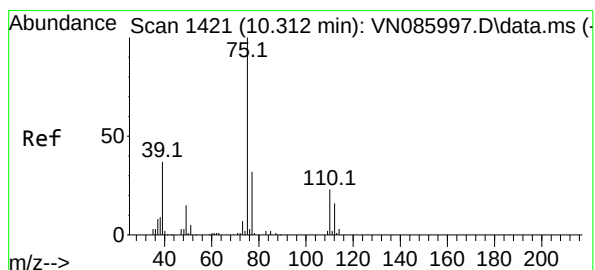
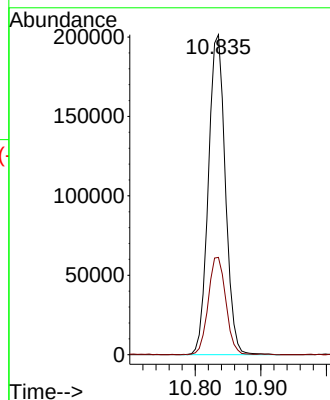
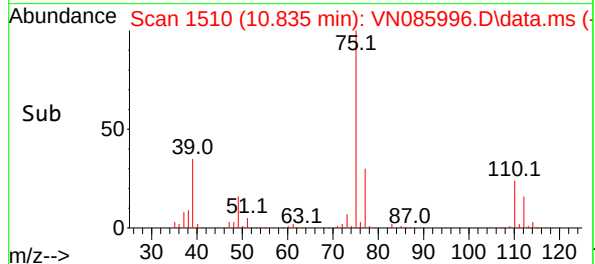
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 75 Resp: 362129
Ion Ratio Lower Upper
75 100
77 30.4 25.3 37.9

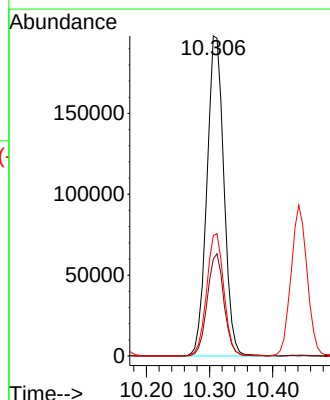
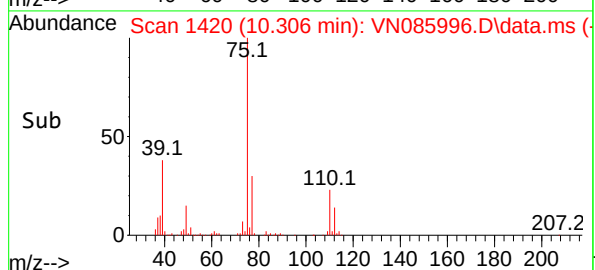
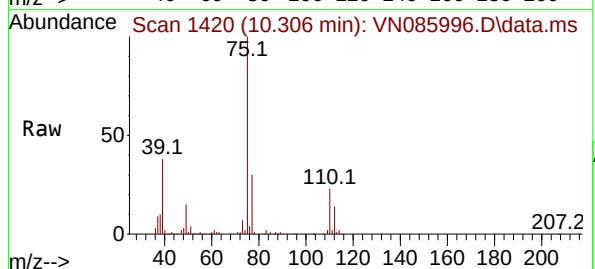
Manual Integrations
APPROVED

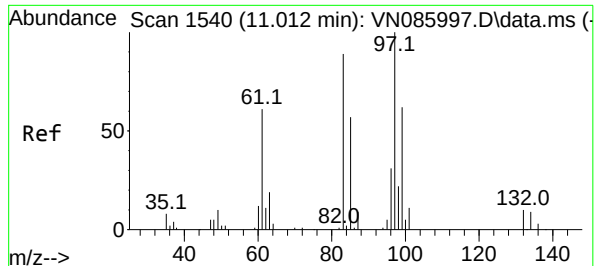
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#54
cis-1,3-Dichloropropene
Concen: 119.304 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

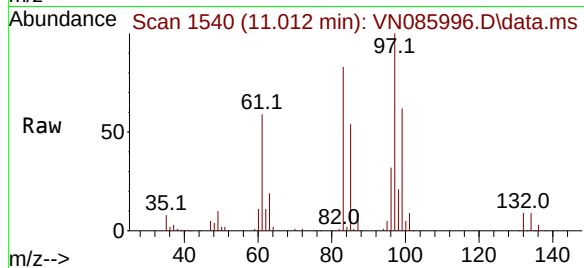
Tgt Ion: 75 Resp: 369494
Ion Ratio Lower Upper
75 100
77 30.3 25.3 37.9
39 37.7 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 112.938 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

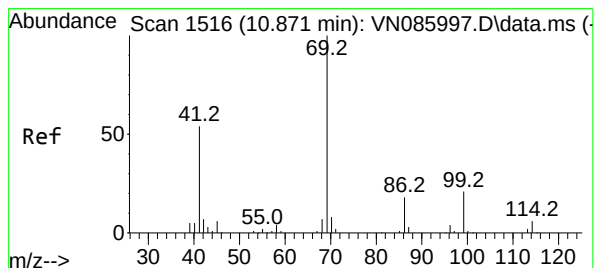
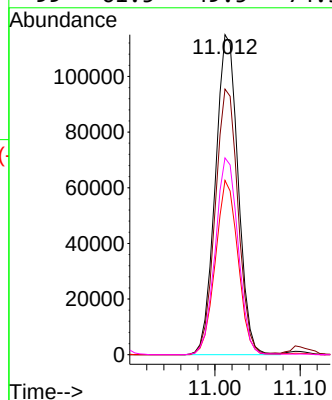
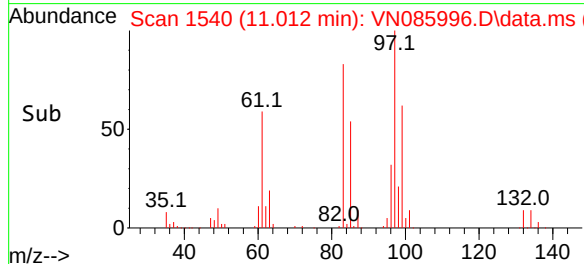
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 97 Resp: 213909
Ion Ratio Lower Upper
97 100
83 83.0 71.2 106.8
85 54.5 45.4 68.0
99 61.5 49.5 74.3

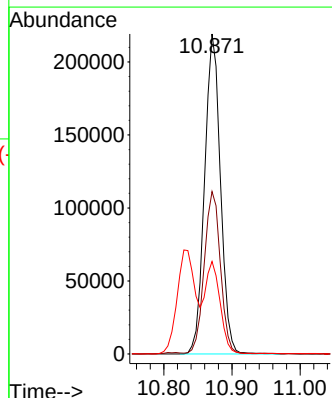
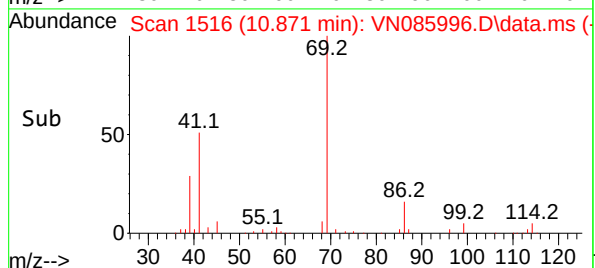
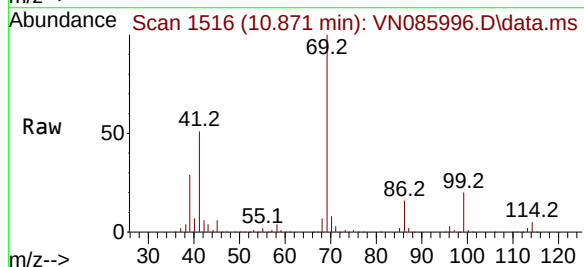
Manual Integrations
APPROVED

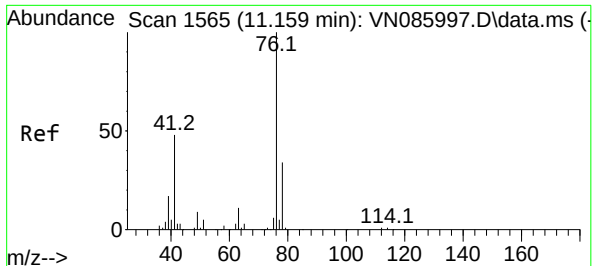
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#56
Ethyl methacrylate
Concen: 100.009 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 69 Resp: 354676
Ion Ratio Lower Upper
69 100
41 51.4 41.6 62.4
39 27.3 21.8 32.8





#57

1,3-Dichloropropane

Concen: 114.512 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 368384

Ion Ratio Lower Upper

76 100

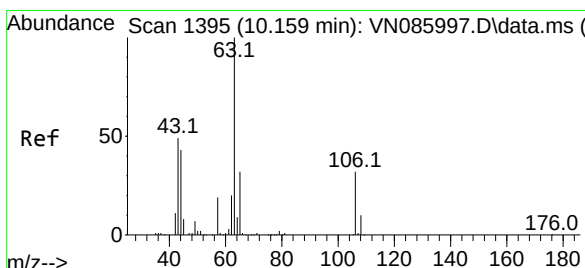
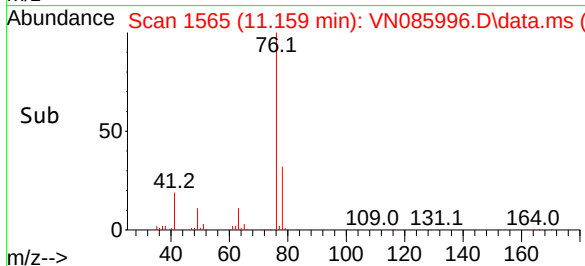
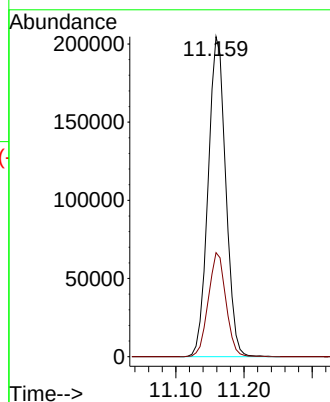
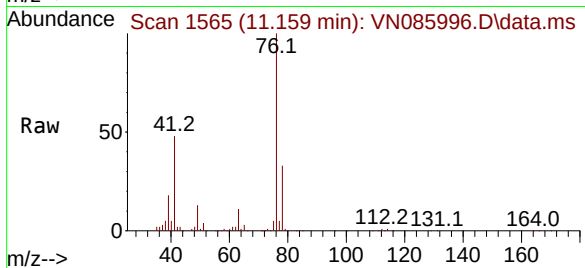
78 32.4 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 498.510 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085996.D

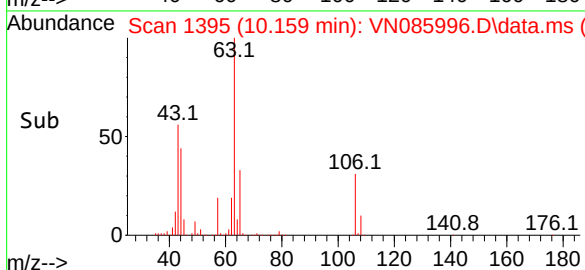
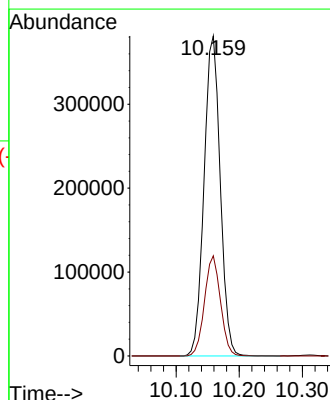
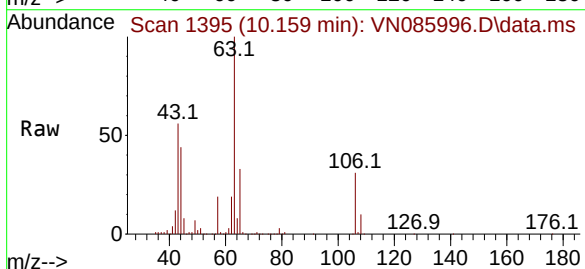
Acq: 18 Mar 2025 11:44

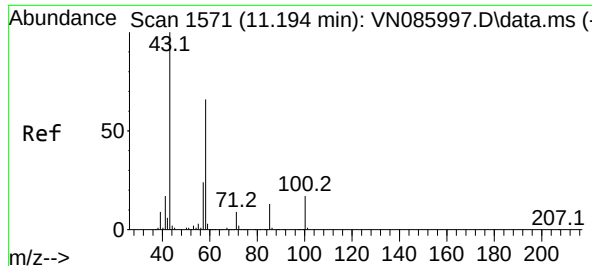
Tgt Ion: 63 Resp: 678829

Ion Ratio Lower Upper

63 100

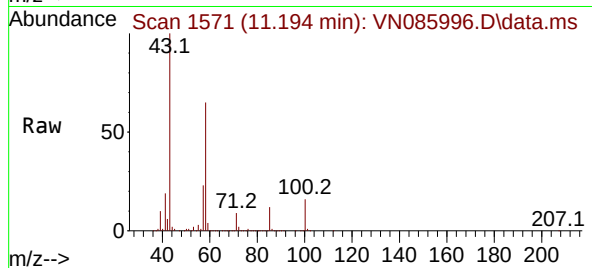
106 30.8 25.0 37.6





#59
2-Hexanone
Concen: 618.290 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

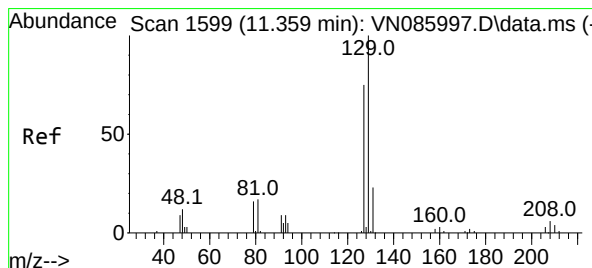
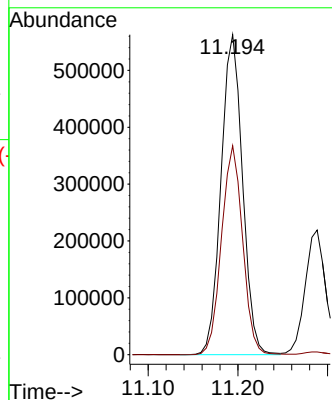
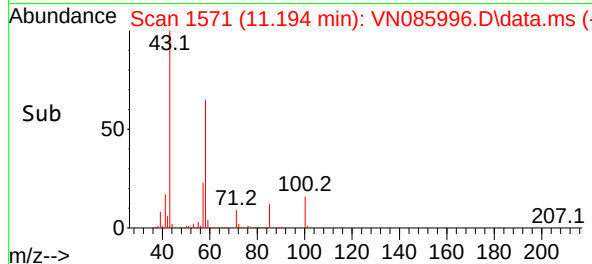
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 935328
Ion Ratio Lower Upper
43 100
58 64.2 32.4 97.2

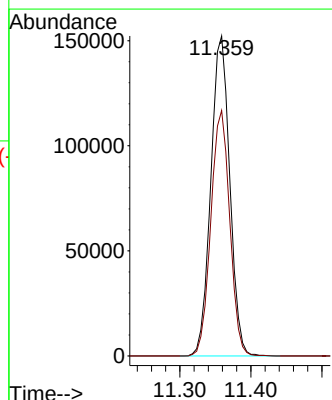
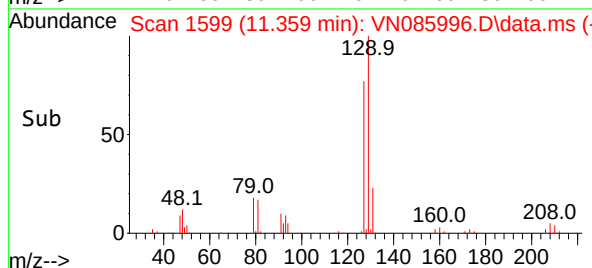
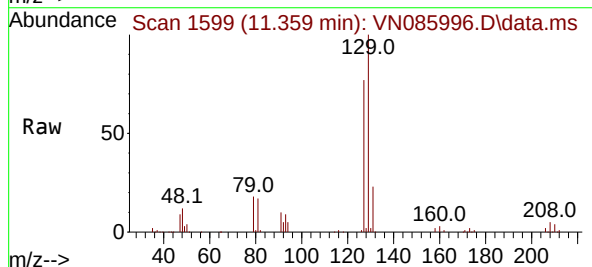
Manual Integrations
APPROVED

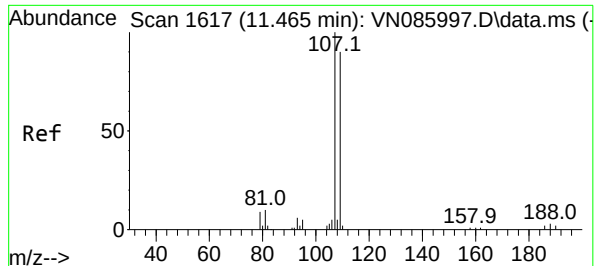
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#60
Dibromochloromethane
Concen: 115.239 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion:129 Resp: 281651
Ion Ratio Lower Upper
129 100
127 76.5 37.8 113.4





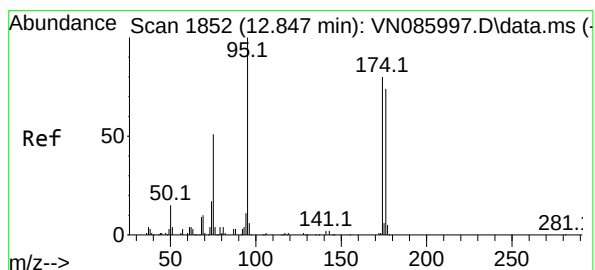
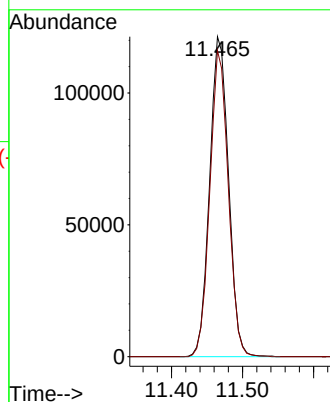
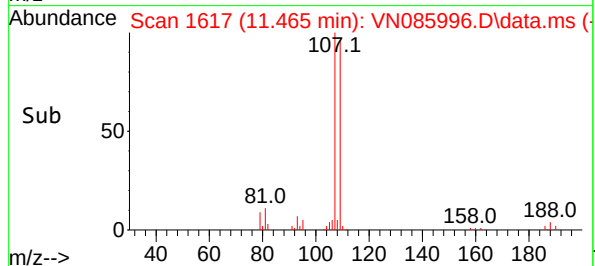
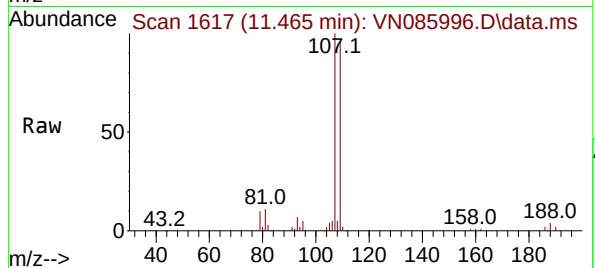
#61
1,2-Dibromoethane
Concen: 115.301 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 224197
Ion Ratio Lower Upper
107 100
109 93.5 73.3 109.9

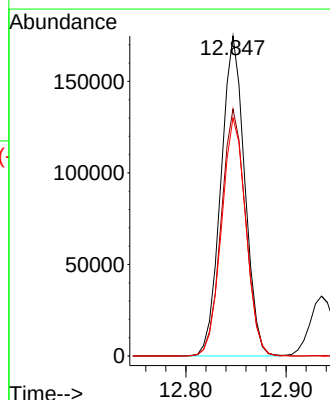
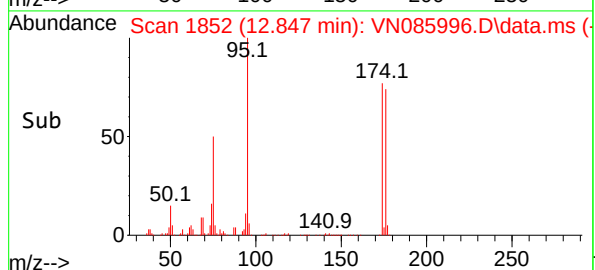
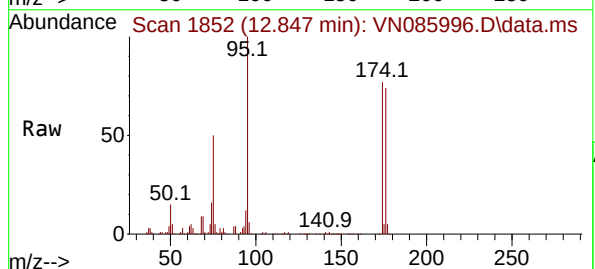
Manual Integrations
APPROVED

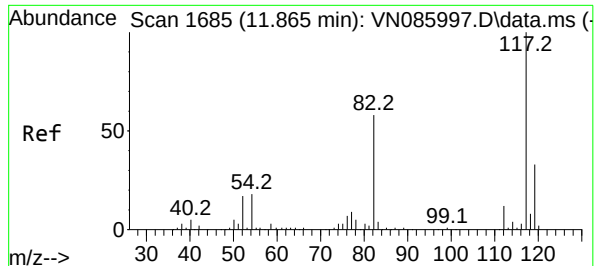
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#62
4-Bromofluorobenzene
Concen: 113.805 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 95 Resp: 288124
Ion Ratio Lower Upper
95 100
174 78.5 0.0 156.8
176 75.9 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:117 Resp: 267544

Ion Ratio Lower Upper

117 100

82 58.1 46.7 70.1

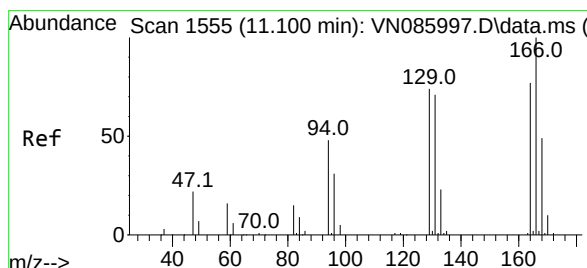
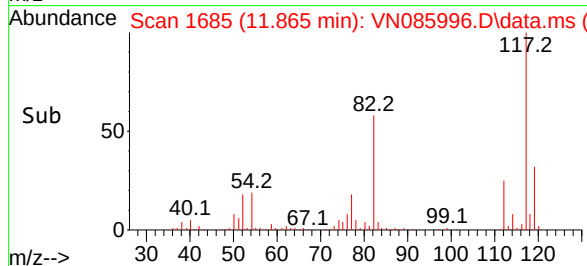
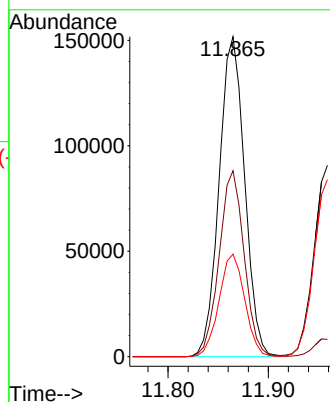
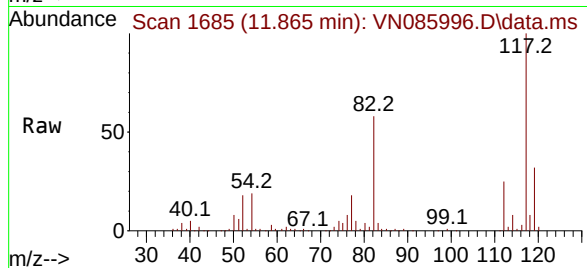
119 32.1 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#64

Tetrachloroethene

Concen: 102.122 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Tgt Ion:164 Resp: 217951

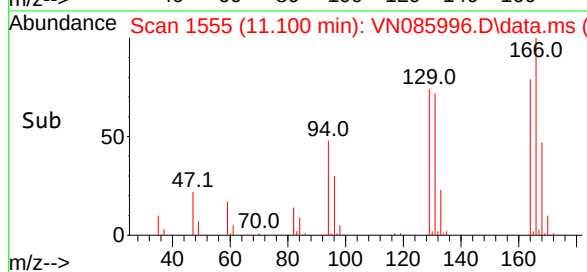
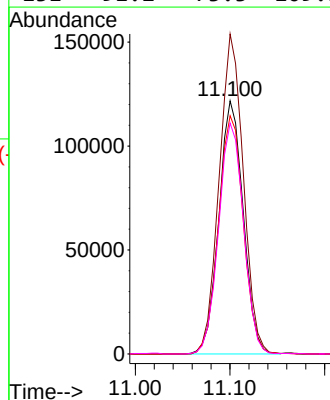
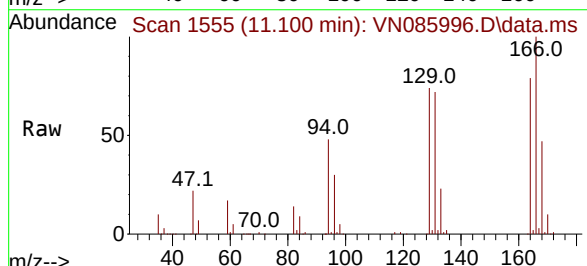
Ion Ratio Lower Upper

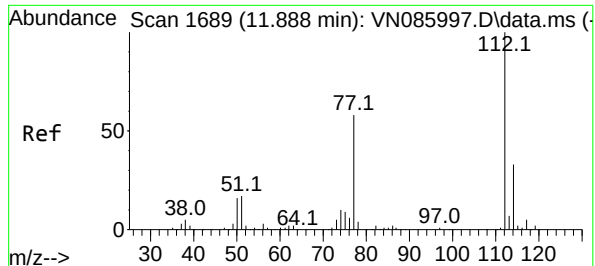
164 100

166 126.4 103.7 155.5

129 94.1 77.1 115.7

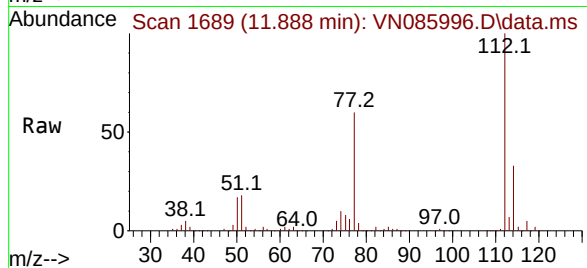
131 91.2 73.3 109.9





#65
Chlorobenzene
Concen: 107.422 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

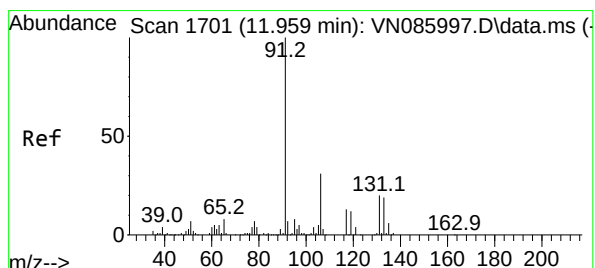
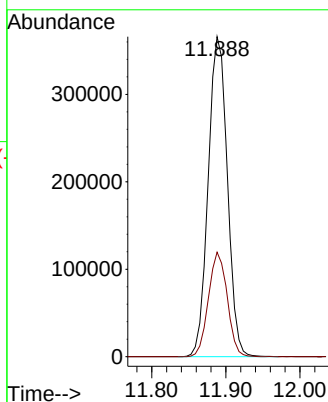
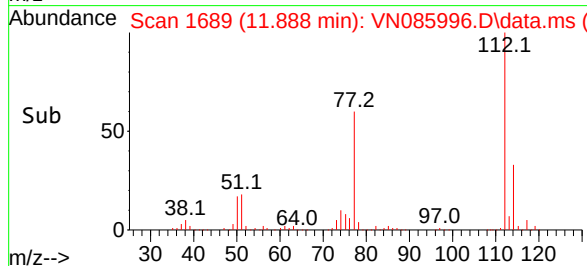
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:112 Resp: 65765
Ion Ratio Lower Upper
112 100
114 32.6 26.3 39.5

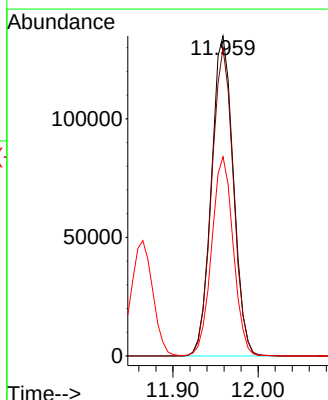
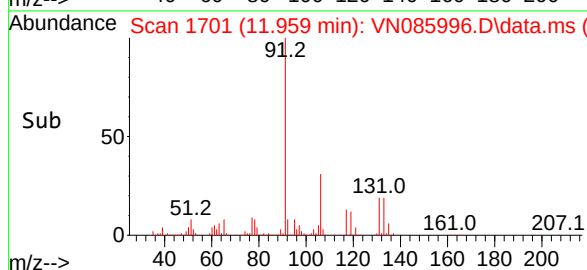
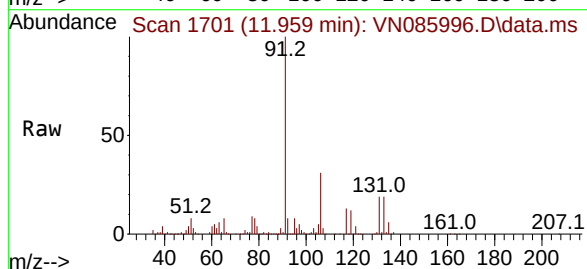
Manual Integrations
APPROVED

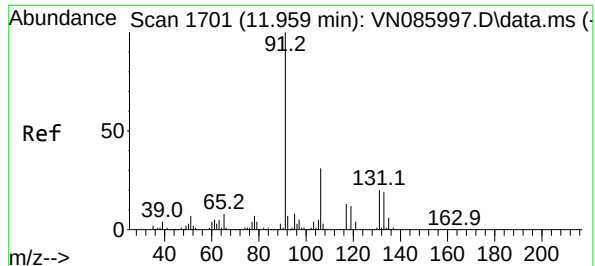
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 106.205 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion:131 Resp: 241702
Ion Ratio Lower Upper
131 100
133 95.5 47.0 141.0
119 61.4 31.4 94.0





#67

Ethyl Benzene

Concen: 120.702 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1182053

Ion Ratio Lower Upper

91 100

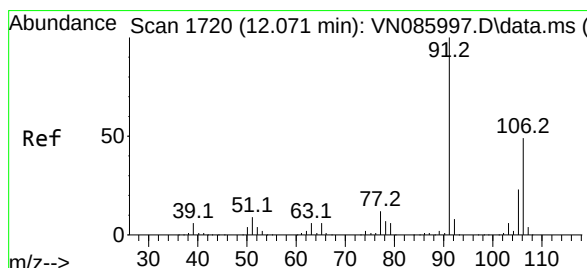
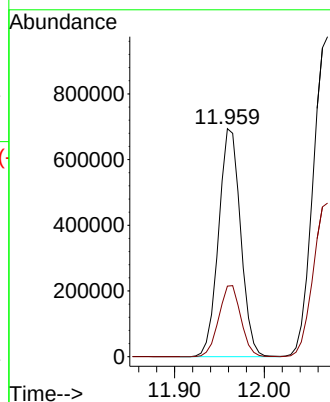
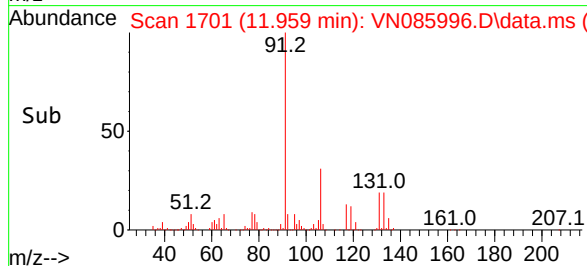
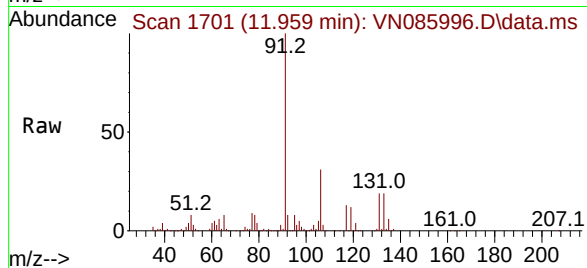
106 31.0 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#68

m/p-Xylenes

Concen: 240.977 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085996.D

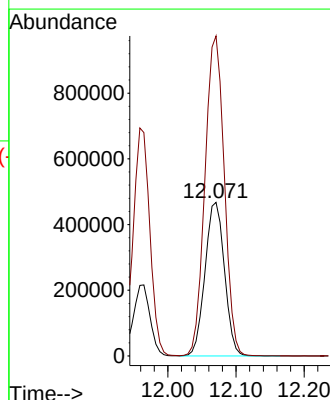
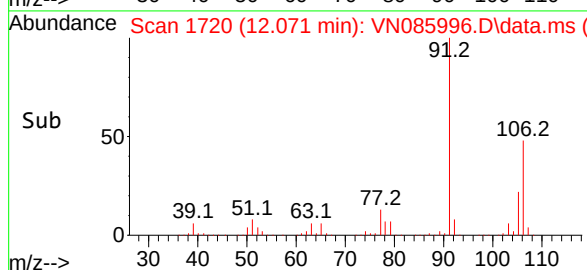
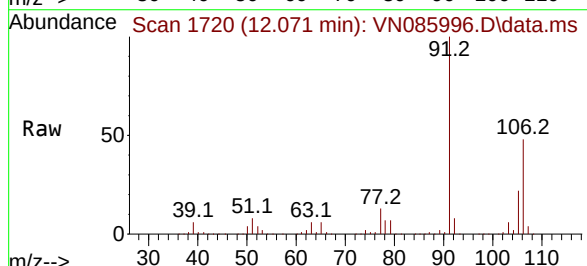
Acq: 18 Mar 2025 11:44

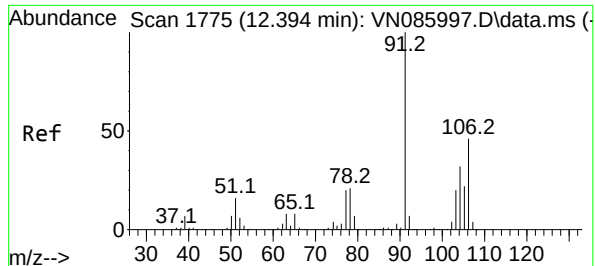
Tgt Ion:106 Resp: 927553

Ion Ratio Lower Upper

106 100

91 206.9 163.9 245.9





#69

o-Xylene

Concen: 125.926 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:106 Resp: 444860

Ion Ratio Lower Upper

106 100

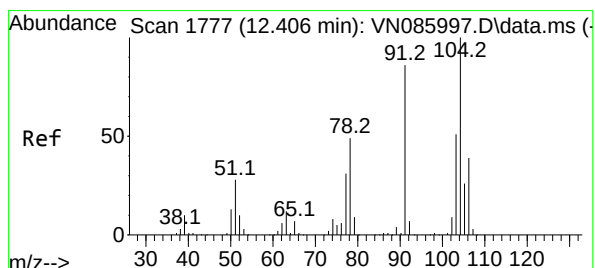
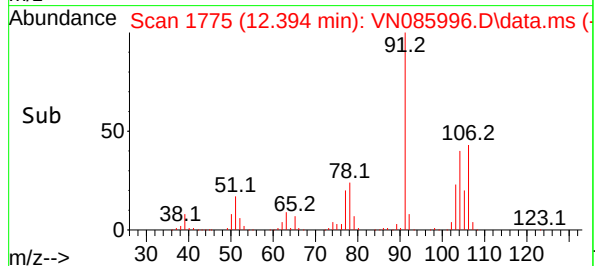
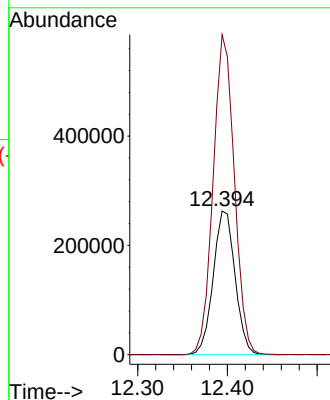
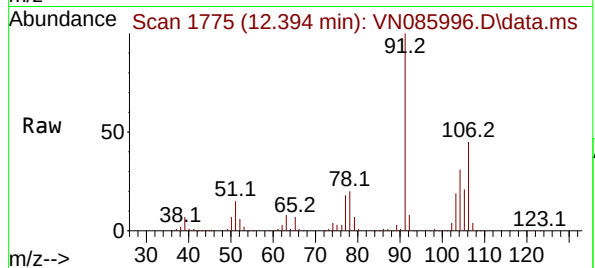
91 216.4 109.1 327.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#70

Styrene

Concen: 126.938 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

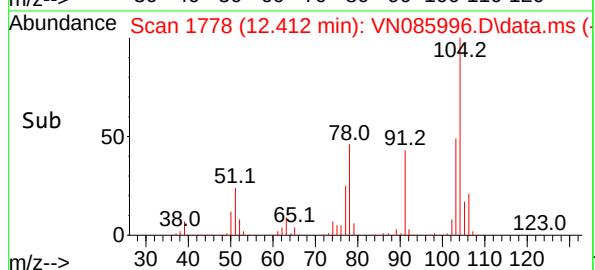
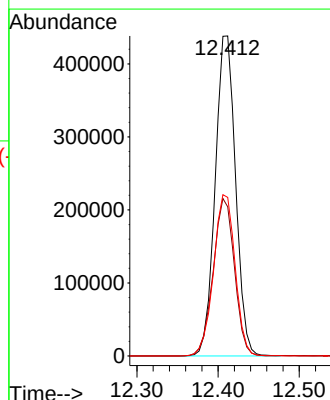
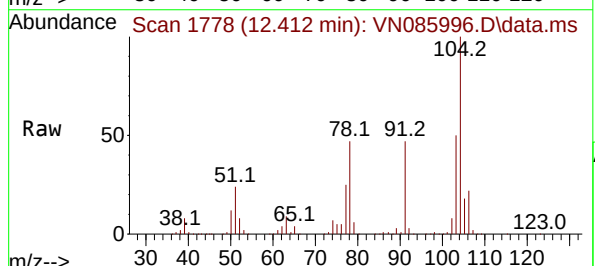
Tgt Ion:104 Resp: 765959

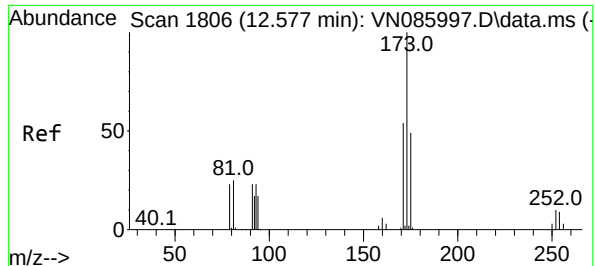
Ion Ratio Lower Upper

104 100

78 51.5 41.4 62.2

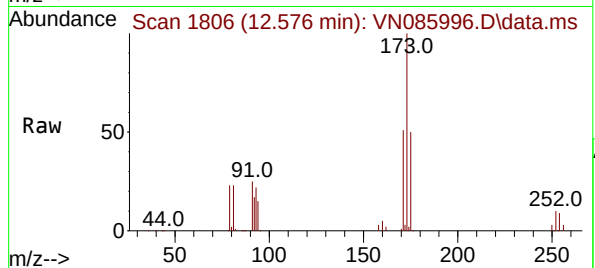
103 53.3 42.9 64.3





#71
Bromoform
Concen: 110.191 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

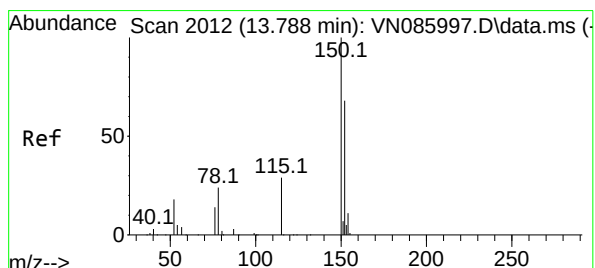
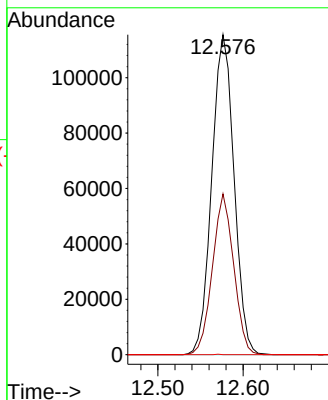
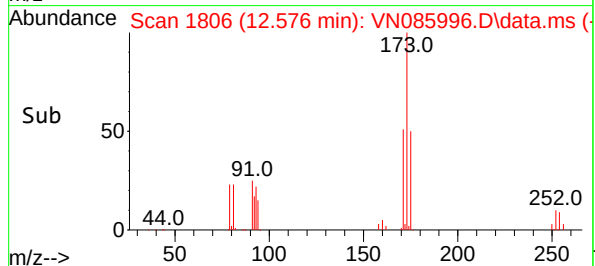
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:173 Resp: 20963
Ion Ratio Lower Upper
173 100
175 47.9 24.3 73.0
254 0.0 0.0 0.0

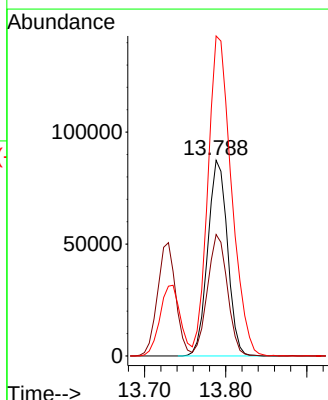
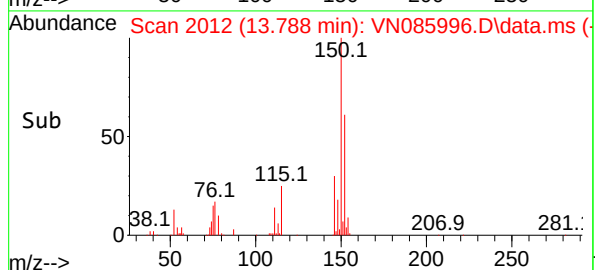
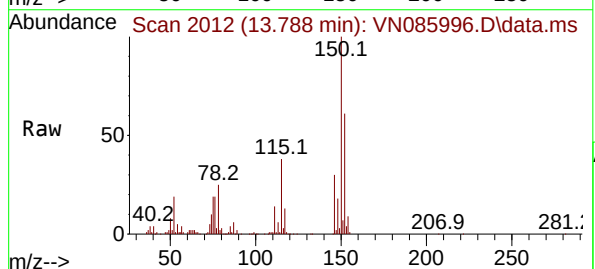
Manual Integrations
APPROVED

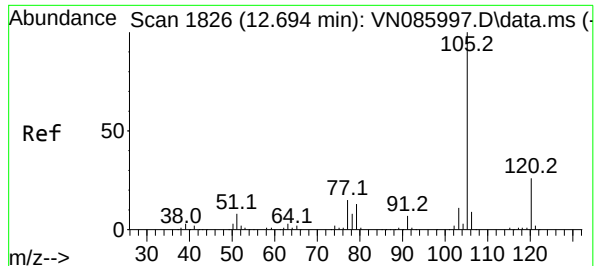
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion:152 Resp: 147510
Ion Ratio Lower Upper
152 100
115 62.6 31.1 93.2
150 194.7 0.0 359.6





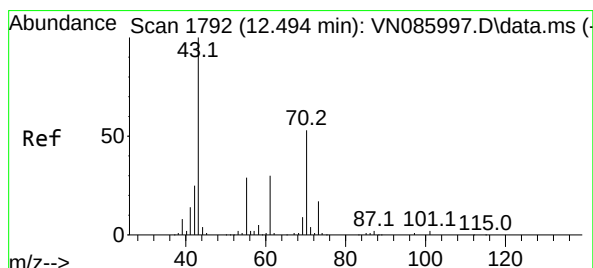
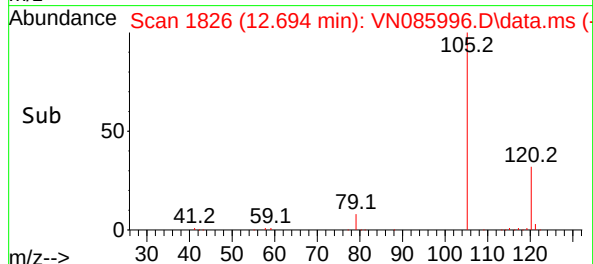
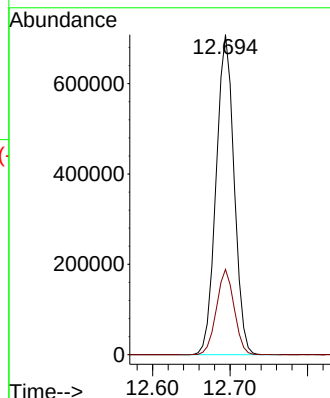
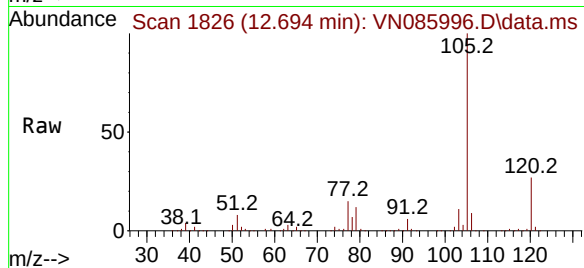
#73
Isopropylbenzene
Concen: 113.143 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1139710
Ion Ratio Lower Upper
105 100
120 26.2 13.0 39.0

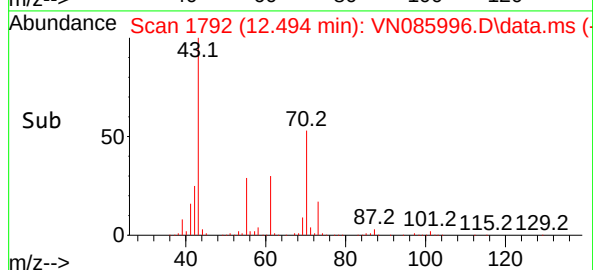
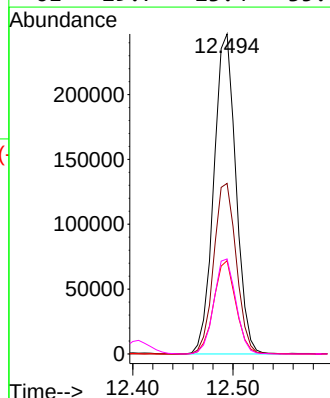
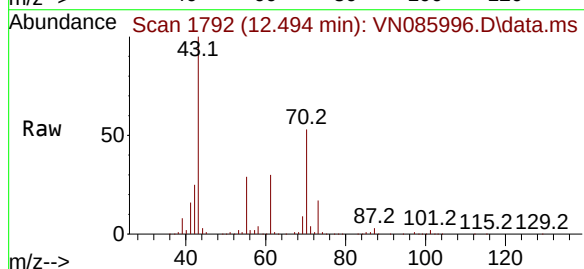
Manual Integrations
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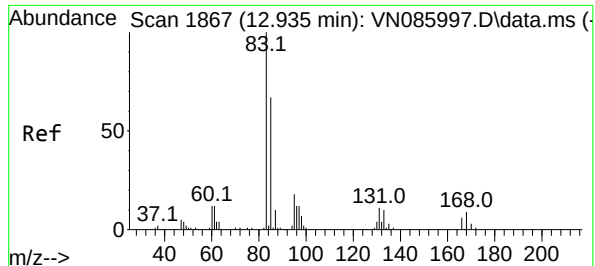
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#74
N-ethyl acetate
Concen: 111.912 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 43 Resp: 377161
Ion Ratio Lower Upper
43 100
70 54.5 43.0 64.4
55 29.3 23.8 35.8
61 29.7 23.4 35.0





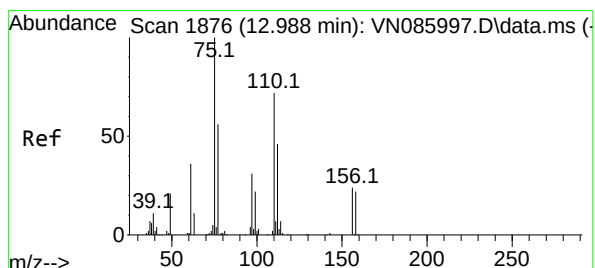
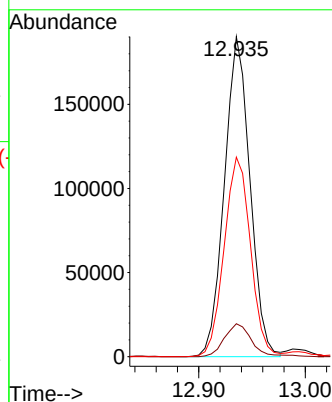
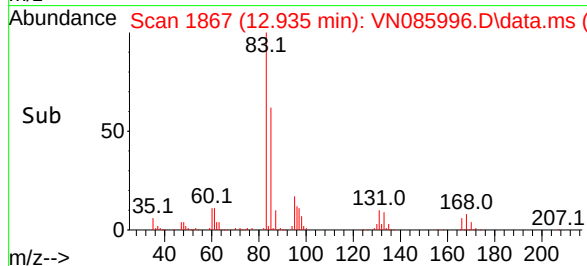
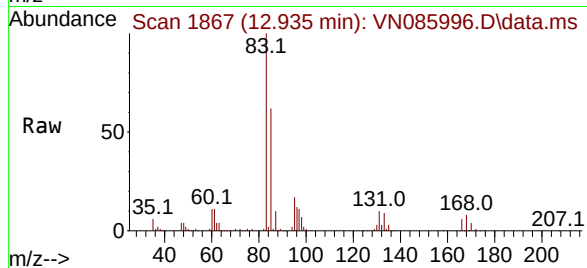
#75
1,1,2,2-Tetrachloroethane
Concen: 93.117 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 317335
Ion Ratio Lower Upper
83 100
131 11.0 5.5 16.5
85 64.2 32.6 97.8

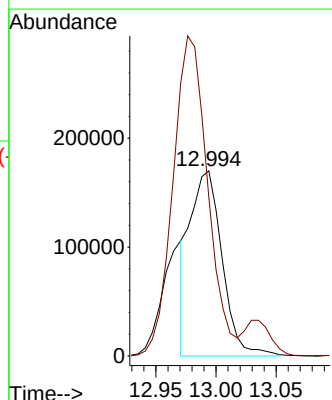
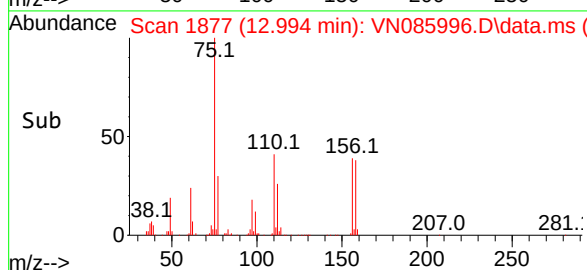
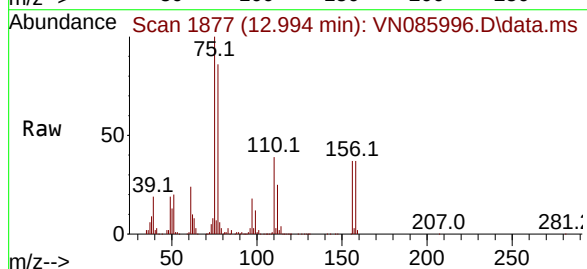
Manual Integrations
APPROVED

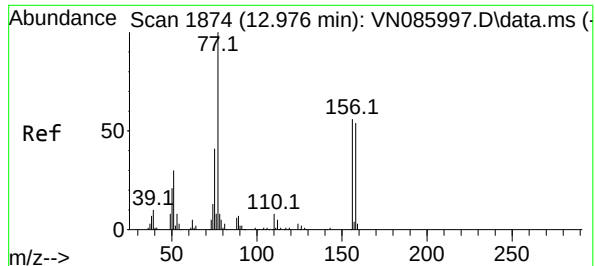
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#76
1,2,3-Trichloropropane
Concen: 93.831 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

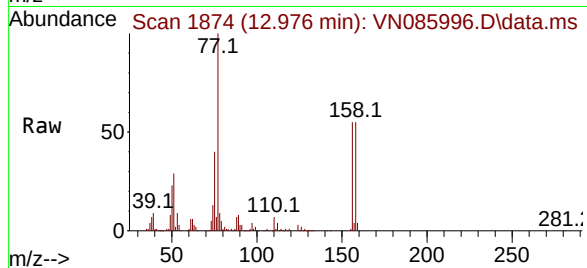
Tgt Ion: 75 Resp: 315551
Ion Ratio Lower Upper
75 100
77 187.0 83.7 251.0





#77
Bromobenzene
Concen: 101.270 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

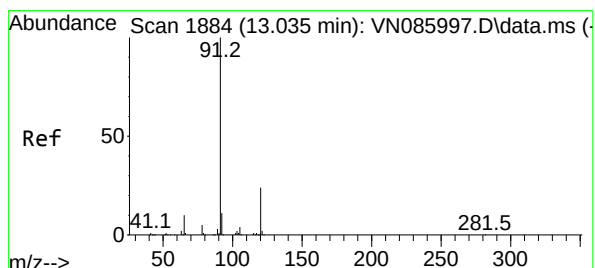
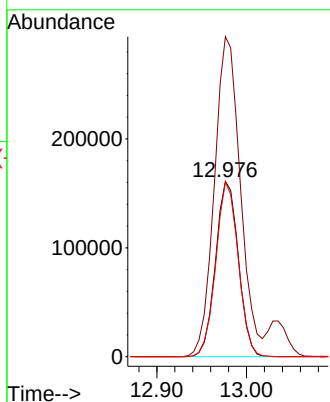
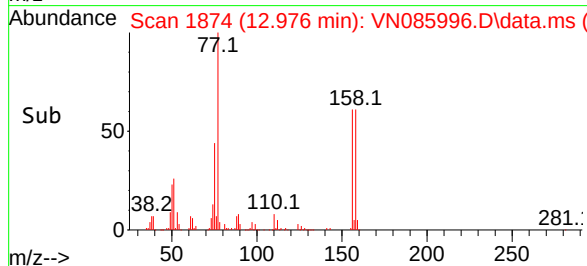
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:156 Resp: 284449
Ion Ratio Lower Upper
156 100
77 207.4 104.1 312.3
158 97.7 49.0 147.0

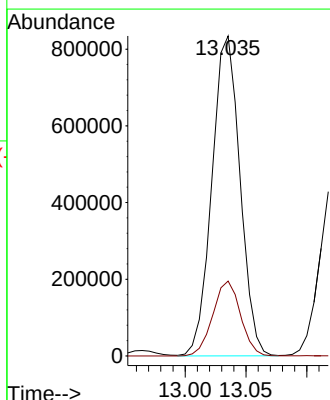
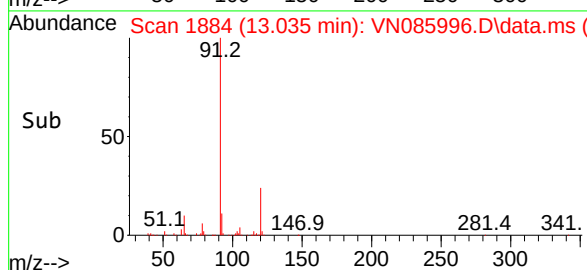
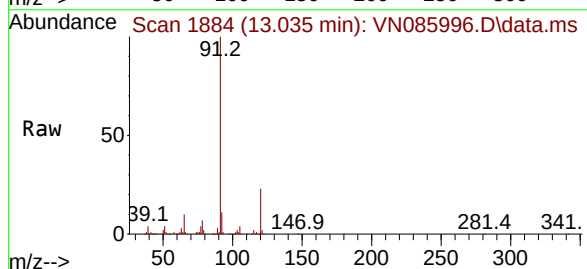
Manual Integrations
APPROVED

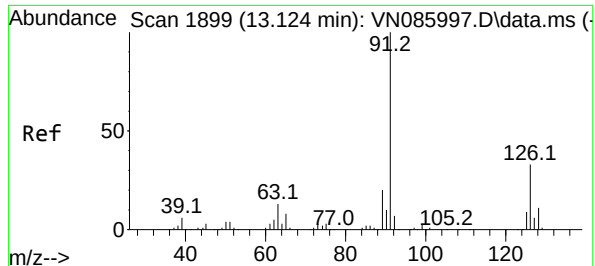
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#78
n-propylbenzene
Concen: 117.577 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 91 Resp: 1341141
Ion Ratio Lower Upper
91 100
120 23.1 11.7 35.0





#79

2-Chlorotoluene

Concen: 109.823 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 832060

Ion Ratio Lower Upper

91 100

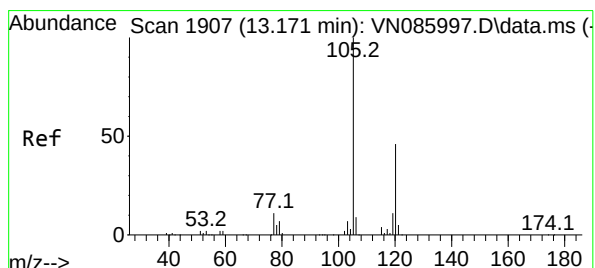
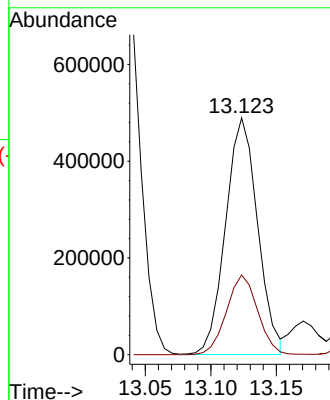
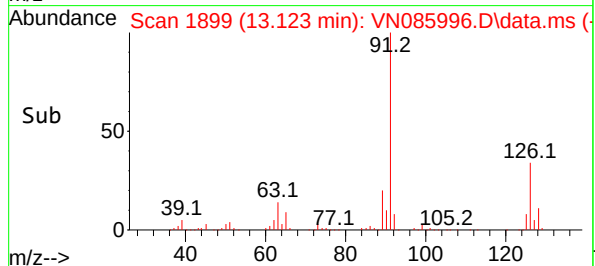
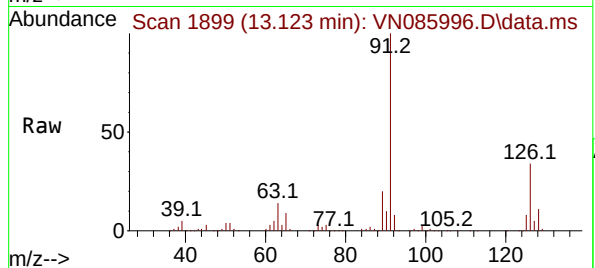
126 32.8 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 117.902 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085996.D

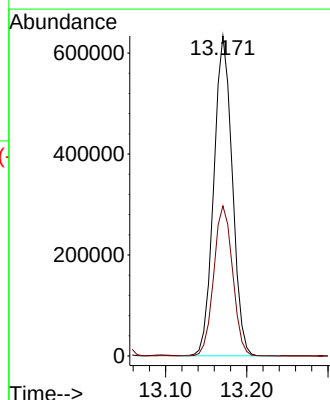
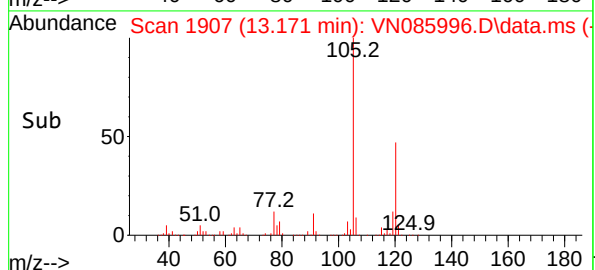
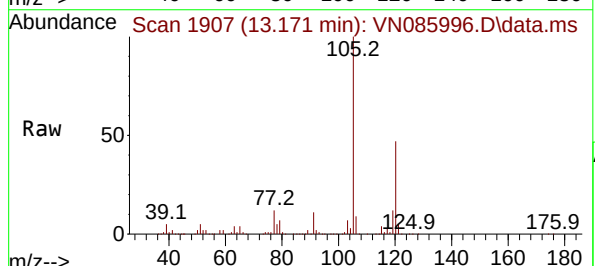
Acq: 18 Mar 2025 11:44

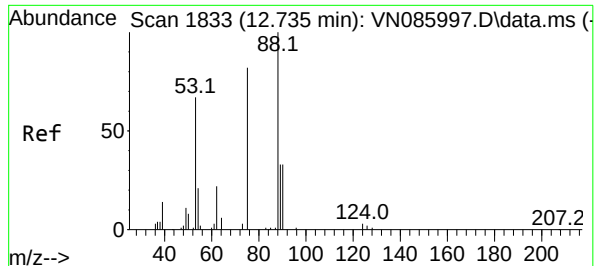
Tgt Ion:105 Resp: 1002727

Ion Ratio Lower Upper

105 100

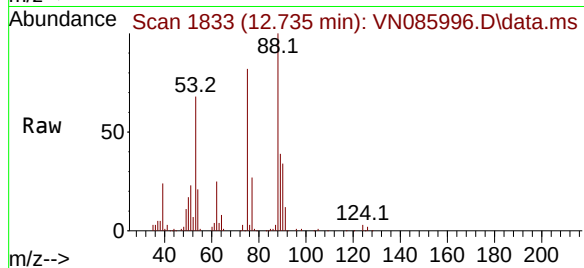
120 47.8 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 114.684 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

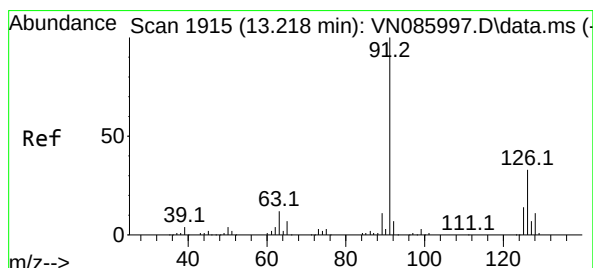
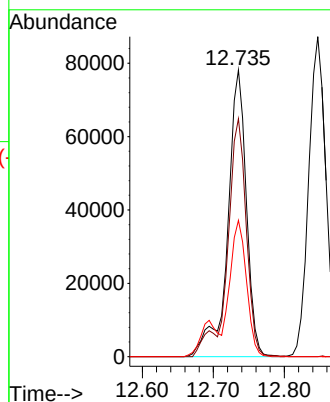
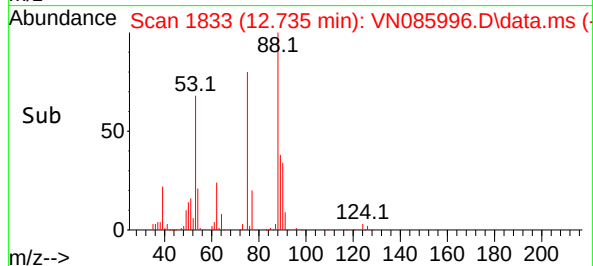
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 143254
Ion Ratio Lower Upper
75 100
53 83.3 66.0 99.0
89 41.6 36.9 55.3

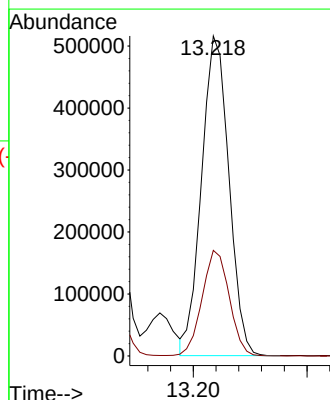
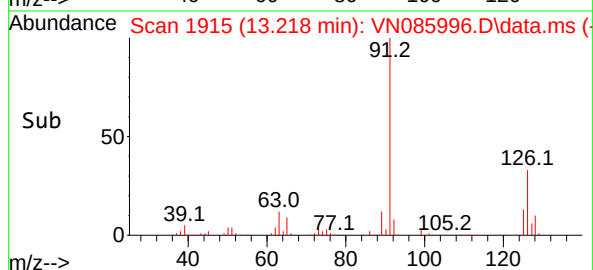
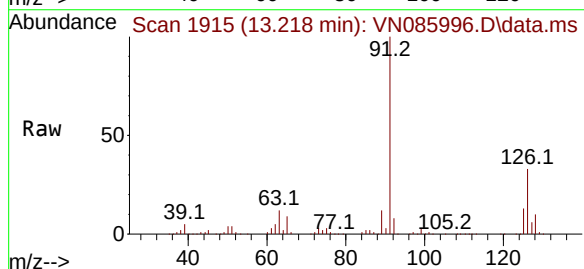
Manual Integrations
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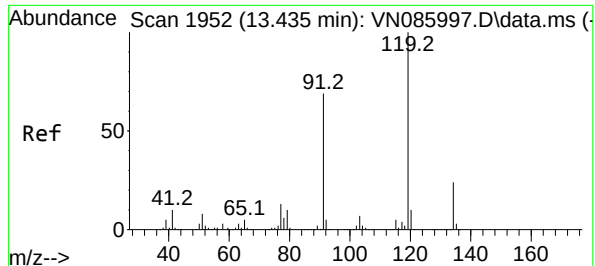
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#82
4-Chlorotoluene
Concen: 110.605 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion: 91 Resp: 861737
Ion Ratio Lower Upper
91 100
126 32.8 16.1 48.2





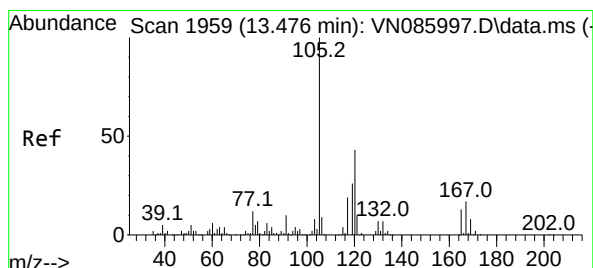
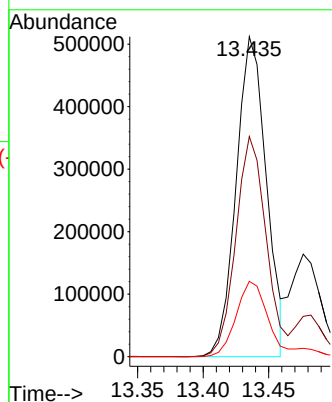
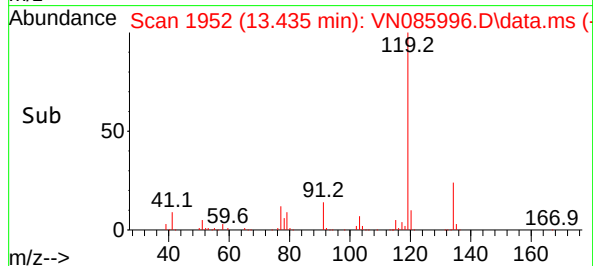
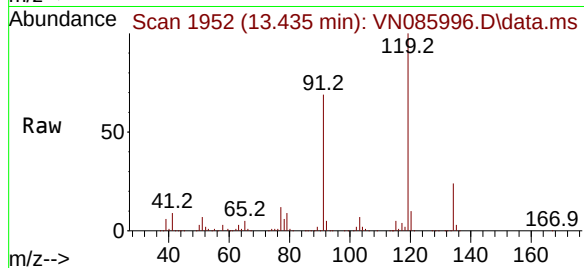
#83
tert-Butylbenzene
Concen: 112.824 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 82065
Ion Ratio Lower Upper
119 100
91 69.4 34.3 102.9
134 26.4 13.5 40.5

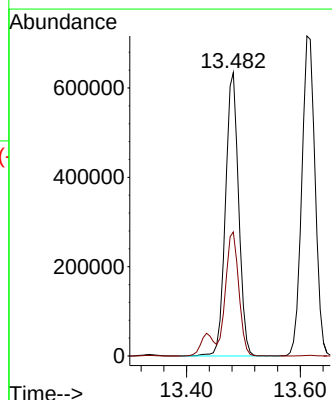
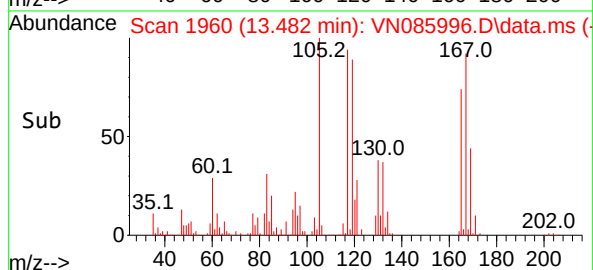
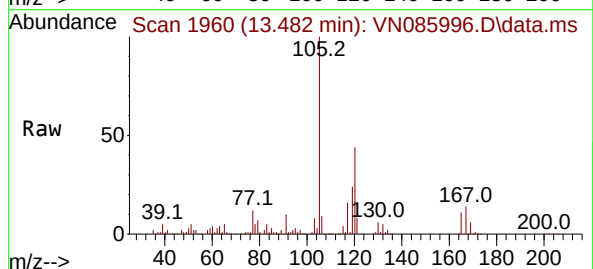
Manual Integrations
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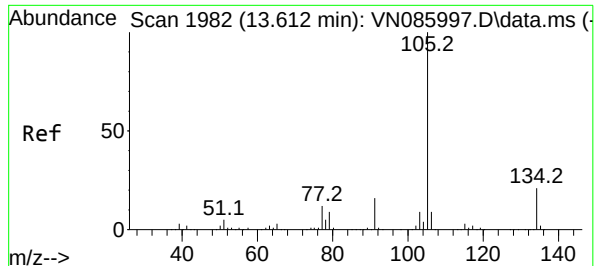
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#84
1,2,4-Trimethylbenzene
Concen: 119.410 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

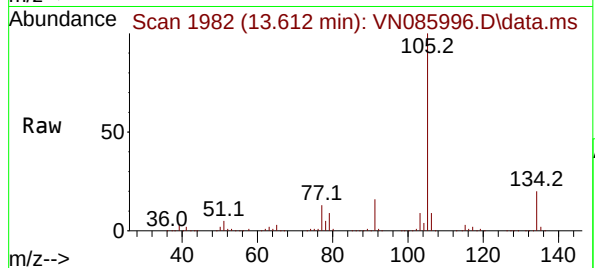
Tgt Ion:105 Resp: 1024294
Ion Ratio Lower Upper
105 100
120 43.8 21.9 65.8





#85
sec-Butylbenzene
Concen: 122.266 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

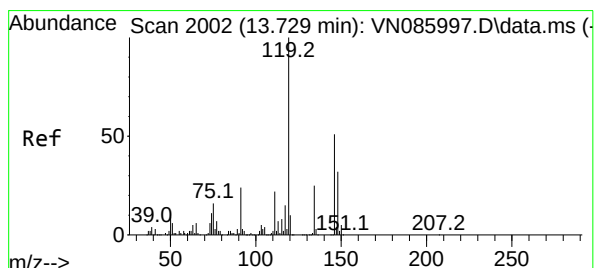
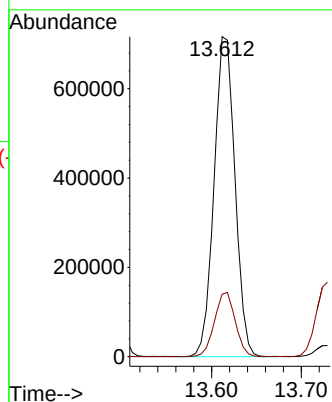
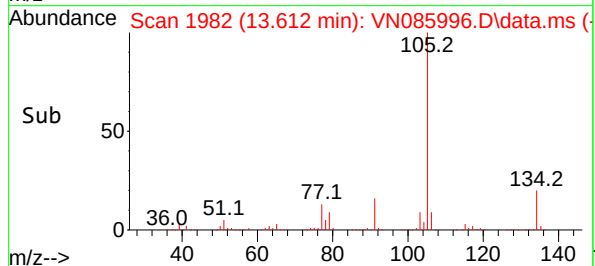
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 116016
Ion Ratio Lower Upper
105 100
134 19.9 10.1 30.1

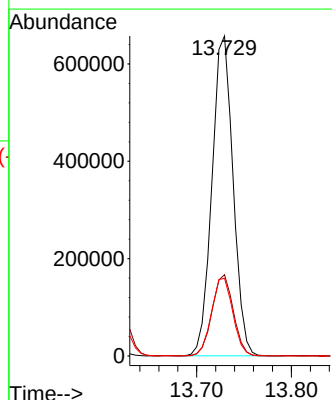
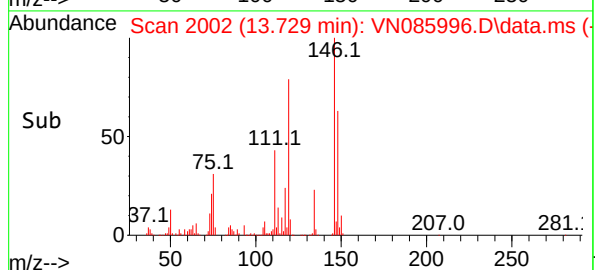
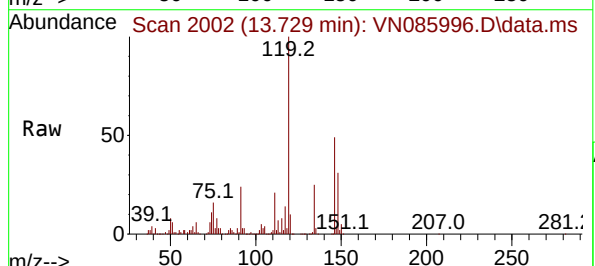
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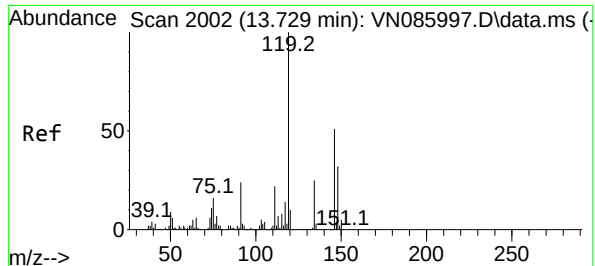
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#86
p-Isopropyltoluene
Concen: 126.470 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion:119 Resp: 1015859
Ion Ratio Lower Upper
119 100
134 25.6 12.6 37.8
91 24.6 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 107.364 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 543572

Ion Ratio Lower Upper

146 100

111 42.2 21.2 63.6

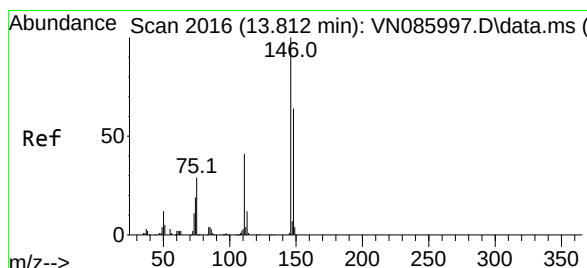
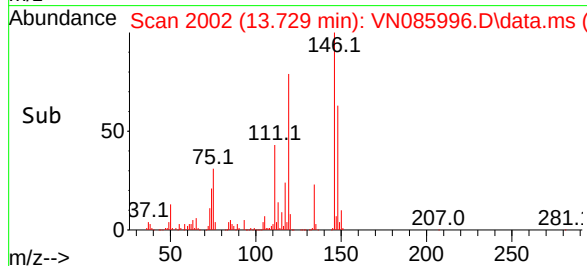
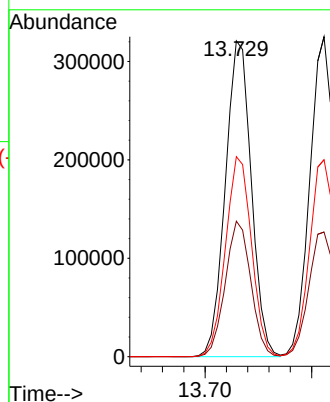
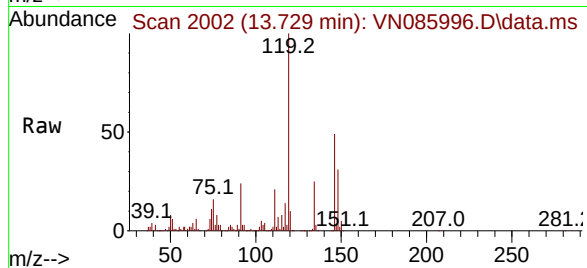
148 63.6 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#88

1,4-Dichlorobenzene

Concen: 101.234 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

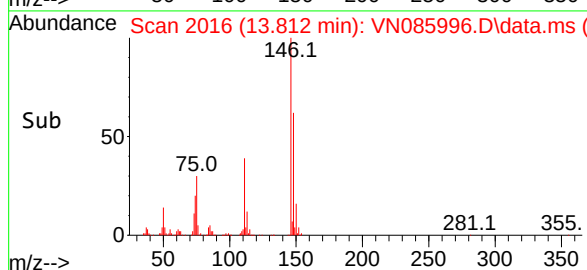
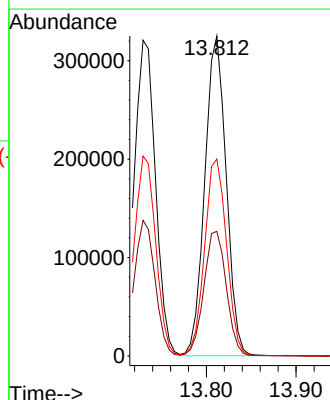
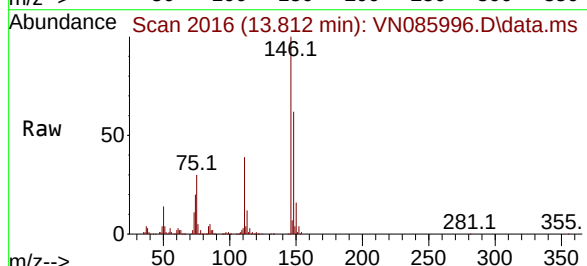
Tgt Ion:146 Resp: 538505

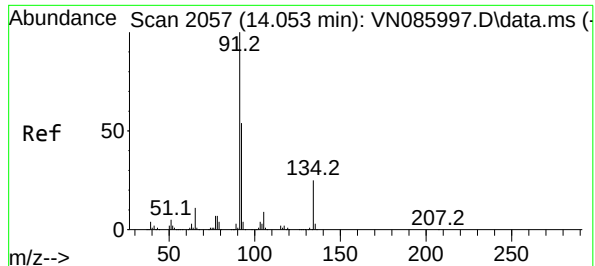
Ion Ratio Lower Upper

146 100

111 41.1 20.4 61.3

148 63.2 32.1 96.5





#89

n-Butylbenzene

Concen: 129.699 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085996.D

Acq: 18 Mar 2025 11:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 84836

Ion Ratio Lower Upper

91 100

92 53.7 26.9 80.6

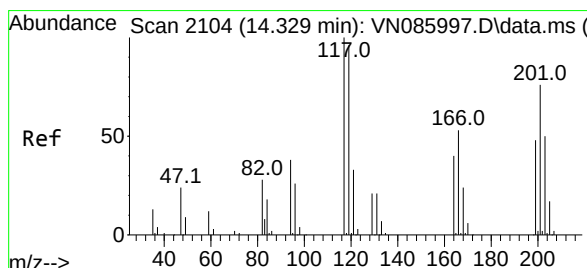
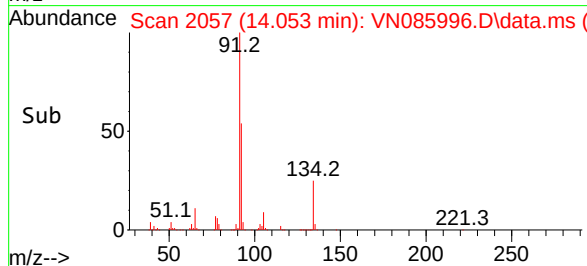
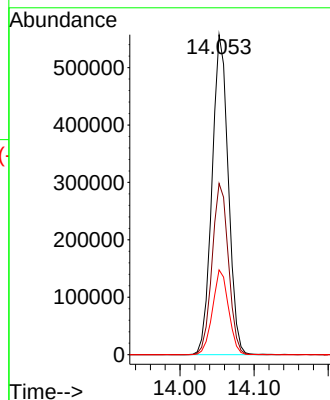
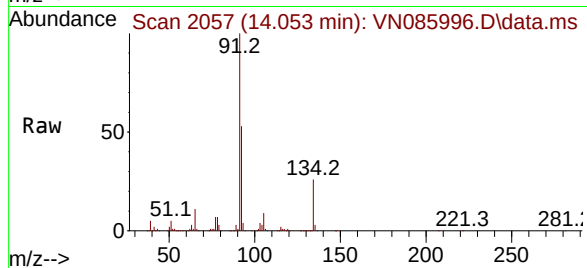
134 26.1 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#90

Hexachloroethane

Concen: 101.383 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. -0.000 min

Lab File: VN085996.D

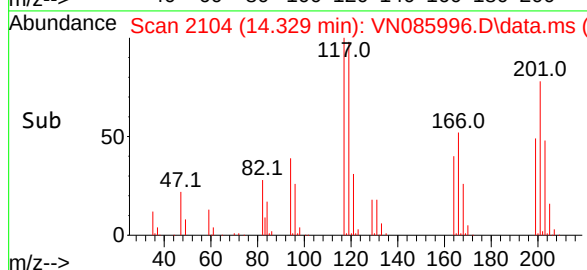
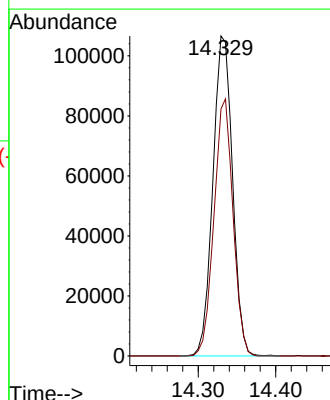
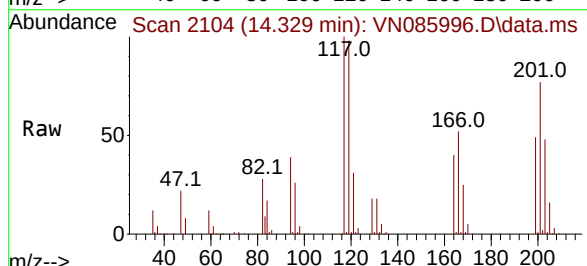
Acq: 18 Mar 2025 11:44

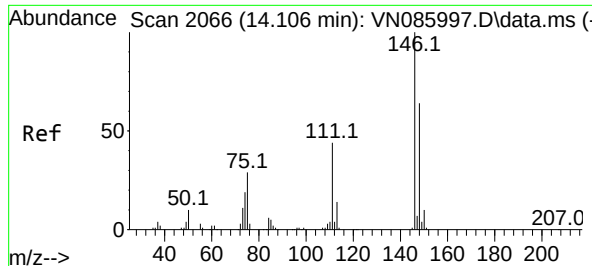
Tgt Ion:117 Resp: 187906

Ion Ratio Lower Upper

117 100

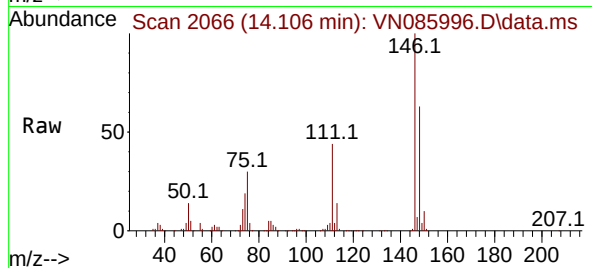
201 77.9 39.1 117.3





#91
1,2-Dichlorobenzene
Concen: 100.605 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

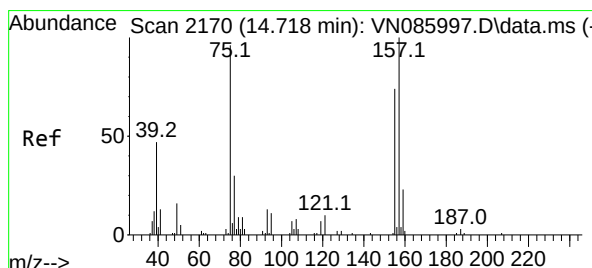
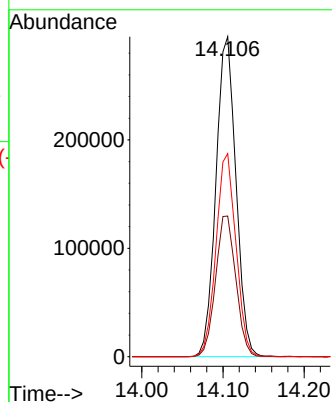
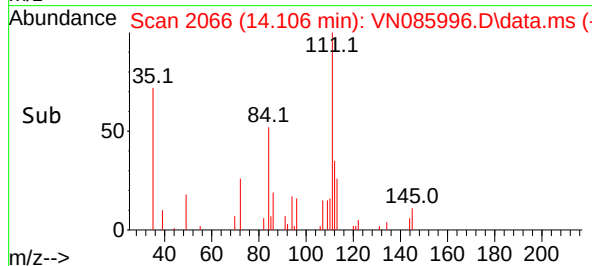
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:146 Resp: 506350
Ion Ratio Lower Upper
146 100
111 44.5 22.3 66.8
148 63.2 32.1 96.5

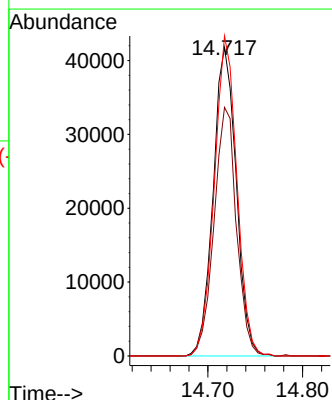
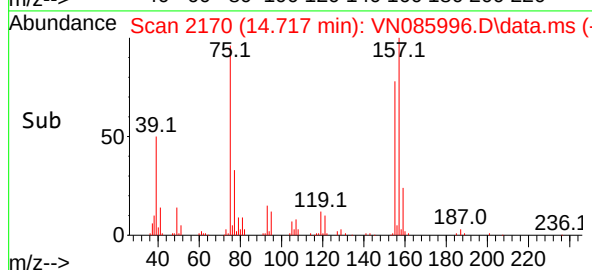
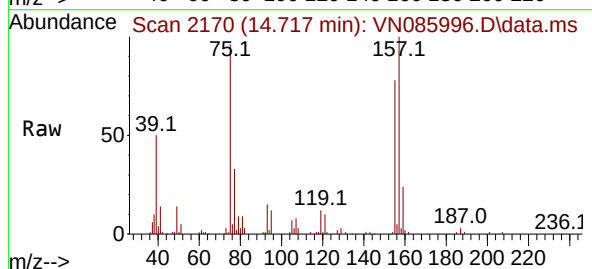
Manual Integrations
APPROVED

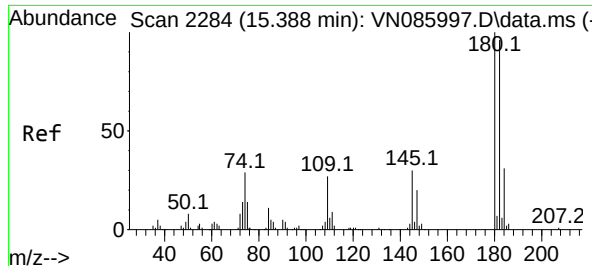
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 103.948 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

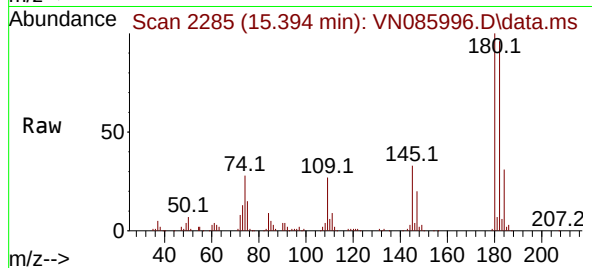
Tgt Ion: 75 Resp: 70713
Ion Ratio Lower Upper
75 100
155 78.6 41.0 123.0
157 101.5 53.7 161.1





#93
1,2,4-Trichlorobenzene
Concen: 111.025 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

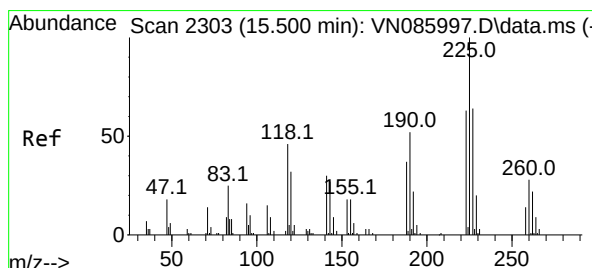
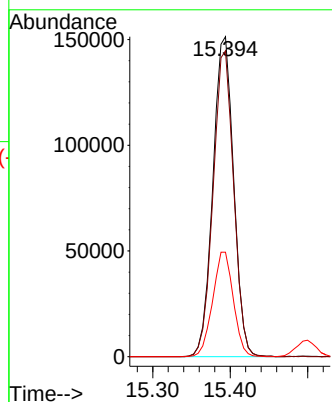
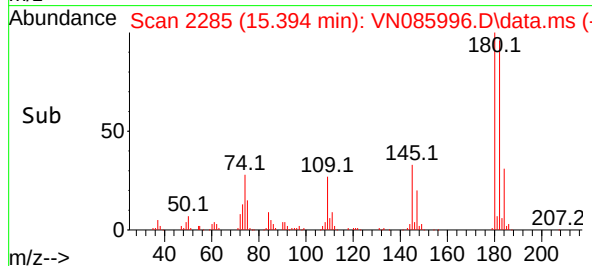
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:180 Resp: 28097
Ion Ratio Lower Upper
180 100
182 94.8 47.0 141.0
145 32.6 15.5 46.5

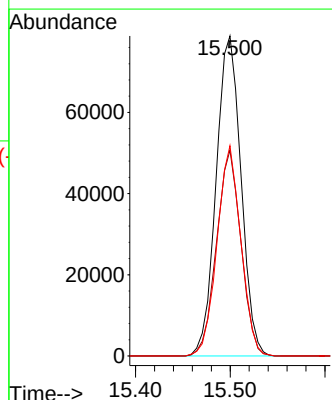
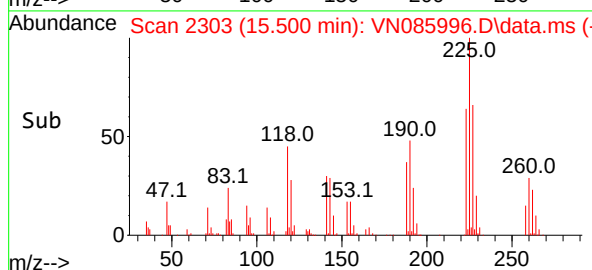
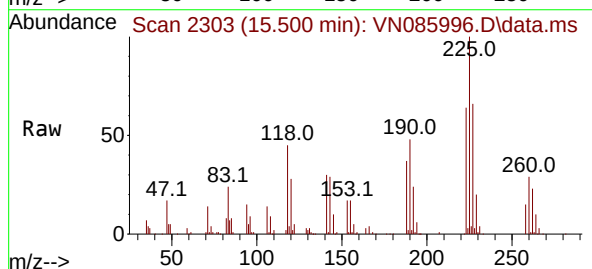
Manual Integrations
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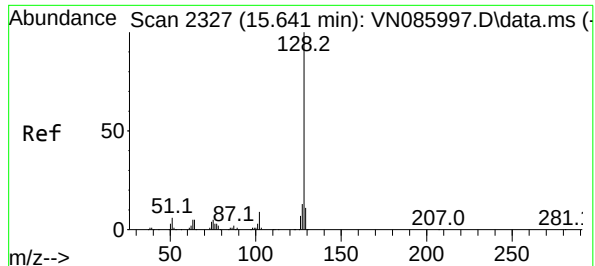
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#94
Hexachlorobutadiene
Concen: 98.130 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

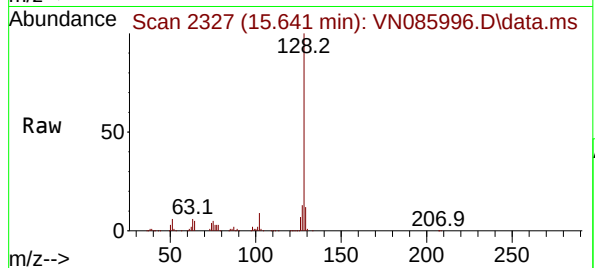
Tgt Ion:225 Resp: 144077
Ion Ratio Lower Upper
225 100
223 63.0 31.3 93.9
227 62.8 32.1 96.3





#95
Naphthalene
Concen: 115.132 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

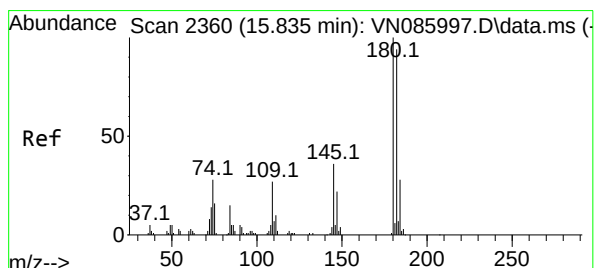
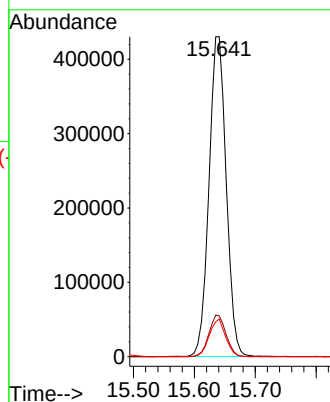
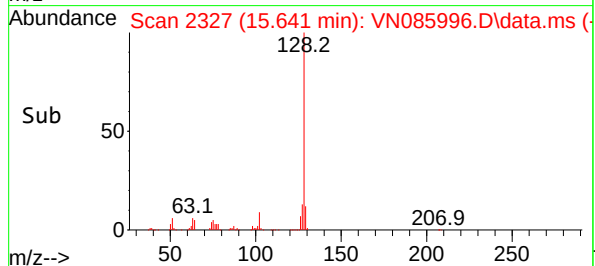
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:128 Resp: 84369
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.1 9.0 13.6

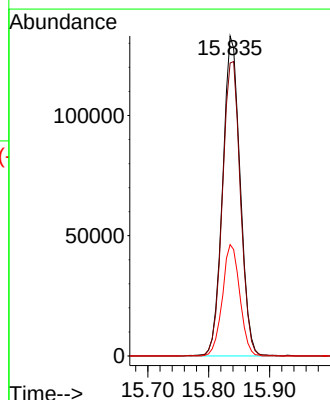
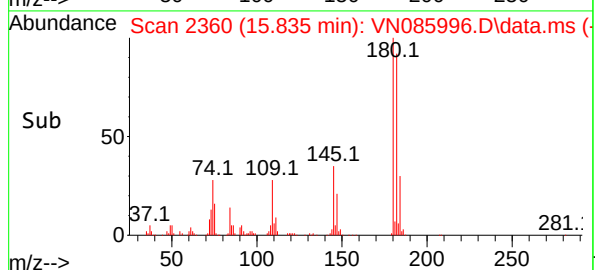
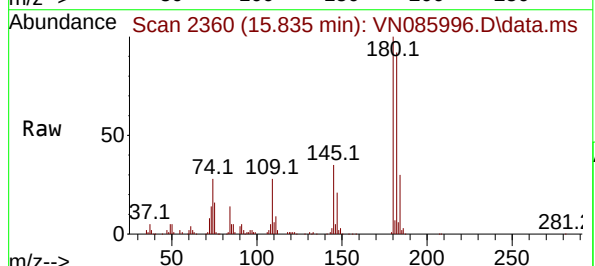
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 110.600 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085996.D
Acq: 18 Mar 2025 11:44

Tgt Ion:180 Resp: 265586
Ion Ratio Lower Upper
180 100
182 94.7 47.5 142.5
145 34.6 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085997.D
 Acq On : 18 Mar 2025 12:08
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	191040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127029	48.559	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.120%		
35) Dibromofluoromethane	8.165	113	101590	47.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.820%		
50) Toluene-d8	10.565	98	384569	49.972	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.940%		
62) 4-Bromofluorobenzene	12.847	95	141464	51.544	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	122875	48.549	ug/l	100
3) Chloromethane	2.360	50	106345	47.928	ug/l	100
4) Vinyl Chloride	2.507	62	113163	49.880	ug/l	100
5) Bromomethane	2.942	94	72791	47.103	ug/l	100
6) Chloroethane	3.112	64	63077	44.072	ug/l	100
7) Trichlorofluoromethane	3.489	101	186678	45.774	ug/l	100
8) Diethyl Ether	3.959	74	61984	49.647	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	98361	45.380	ug/l	100
10) Methyl Iodide	4.583	142	139044	49.232	ug/l	100
11) Tert butyl alcohol	5.524	59	90032	243.082	ug/l	100
12) 1,1-Dichloroethene	4.336	96	98583	50.369	ug/l	100
13) Acrolein	4.177	56	95299	241.241	ug/l	100
14) Allyl chloride	5.018	41	117849	48.265	ug/l	100
15) Acrylonitrile	5.718	53	236614	241.896	ug/l	100
16) Acetone	4.424	43	185613	232.246	ug/l	100
17) Carbon Disulfide	4.706	76	288424	44.810	ug/l	100
18) Methyl Acetate	5.024	43	89551	45.288	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	323093	50.377	ug/l	100
20) Methylene Chloride	5.271	84	107918	46.158	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	101963	47.670	ug/l	100
22) Diisopropyl ether	6.671	45	263272	50.597	ug/l	100
23) Vinyl Acetate	6.600	43	1019460	258.439	ug/l	100
24) 1,1-Dichloroethane	6.565	63	181215	47.361	ug/l	100
25) 2-Butanone	7.483	43	278702	241.675	ug/l	100
26) 2,2-Dichloropropane	7.489	77	176949	48.036	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	120874	49.730	ug/l	100
28) Bromochloromethane	7.806	49	74679	46.067	ug/l	100
29) Tetrahydrofuran	7.836	42	185207	260.140	ug/l	100
30) Chloroform	7.965	83	194324	45.948	ug/l	100
31) Cyclohexane	8.253	56	152647	46.831	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	188288	47.032	ug/l	100
36) 1,1-Dichloropropene	8.365	75	137990	49.422	ug/l	100
37) Ethyl Acetate	7.559	43	111535	47.350	ug/l	100
38) Carbon Tetrachloride	8.359	117	175652	47.847	ug/l	100
39) Methylcyclohexane	9.600	83	144397	52.126	ug/l	100
40) Benzene	8.606	78	423071	48.268	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085997.D
 Acq On : 18 Mar 2025 12:08
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	58596	52.096	ug/l	100
42) 1,2-Dichloroethane	8.671	62	144354	47.265	ug/l	100
43) Isopropyl Acetate	8.683	43	208926m	40.845	ug/l	
44) Trichloroethene	9.347	130	105089	46.260	ug/l	100
45) 1,2-Dichloropropane	9.618	63	97398	48.856	ug/l	100
46) Dibromomethane	9.706	93	73743	47.036	ug/l	100
47) Bromodichloromethane	9.883	83	156908	47.887	ug/l	100
48) Methyl methacrylate	9.677	41	87911	52.192	ug/l	100
49) 1,4-Dioxane	9.694	88	41818	1050.235	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	584167	259.501	ug/l	100
52) Toluene	10.630	92	277914	51.661	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	163659	51.430	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	172456	51.366	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	99259	48.343	ug/l	100
56) Ethyl methacrylate	10.871	69	159926	49.943	ug/l	100
57) 1,3-Dichloropropane	11.159	76	172224	49.385	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	323306	261.262	ug/l	100
59) 2-Hexanone	11.194	43	431923	263.380	ug/l	100
60) Dibromochloromethane	11.359	129	131303	49.558	ug/l	100
61) 1,2-Dibromoethane	11.465	107	106539	50.543	ug/l	100
64) Tetrachloroethene	11.100	164	101407	46.478	ug/l	100
65) Chlorobenzene	11.888	112	296813	47.424	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	111333	47.853	ug/l	100
67) Ethyl Benzene	11.959	91	524655	52.405	ug/l	100
68) m/p-Xylenes	12.071	106	413470	105.075	ug/l	100
69) o-Xylene	12.394	106	195107	54.023	ug/l	100
70) Styrene	12.406	104	333544	54.070	ug/l	100
71) Bromoform	12.577	173	94268	48.469	ug/l #	100
73) Isopropylbenzene	12.694	105	496368	52.708	ug/l	100
74) N-amyl acetate	12.494	43	168199	53.384	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	145034	45.522	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	159517m	50.737	ug/l	
77) Bromobenzene	12.976	156	125436	47.769	ug/l	100
78) n-propylbenzene	13.035	91	576797	54.089	ug/l	100
79) 2-Chlorotoluene	13.124	91	361320	51.012	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	430051	54.088	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	57082	48.881	ug/l	100
82) 4-Chlorotoluene	13.218	91	371739	51.036	ug/l	100
83) tert-Butylbenzene	13.435	119	351295	51.660	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	431645	53.825	ug/l	100
85) sec-Butylbenzene	13.612	105	484551	54.622	ug/l	100
86) p-Isopropyltoluene	13.729	119	418830	55.774	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	232357	49.090	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	229820	46.213	ug/l	100
89) n-Butylbenzene	14.053	91	334309	54.669	ug/l	100
90) Hexachloroethane	14.329	117	80312	46.350	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	220326	46.825	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	30533	48.010	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	117285	49.573	ug/l	100
94) Hexachlorobutadiene	15.500	225	60983	44.428	ug/l	100
95) Naphthalene	15.641	128	359331	52.451	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	114262	50.897	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085997.D
Acq On : 18 Mar 2025 12:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

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

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

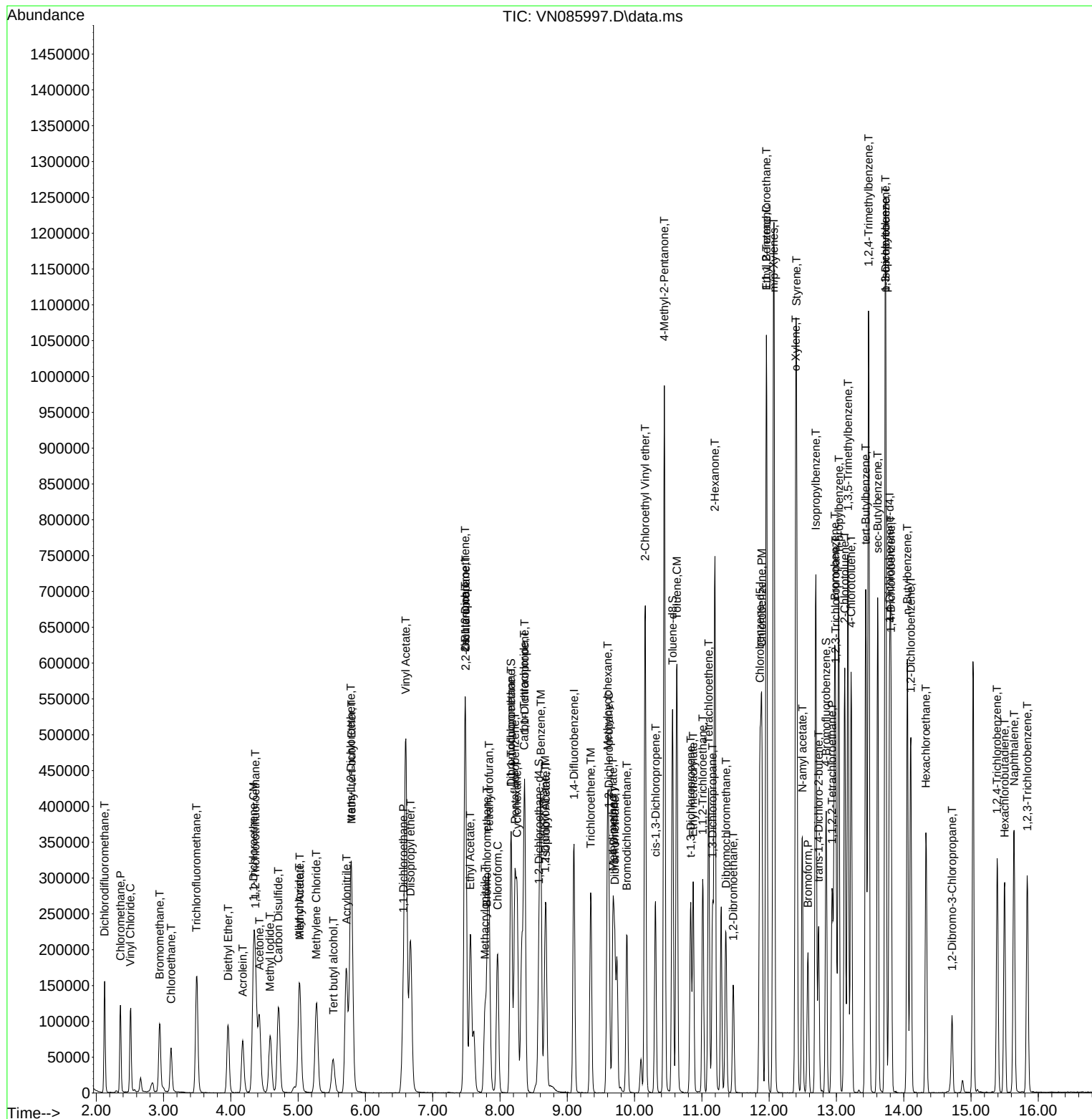
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085997.D
 Acq On : 18 Mar 2025 12:08
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

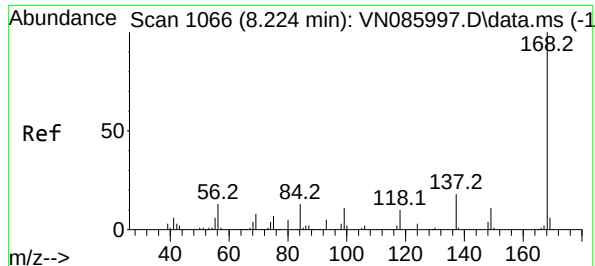
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Quant Time: Mar 19 02:53:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

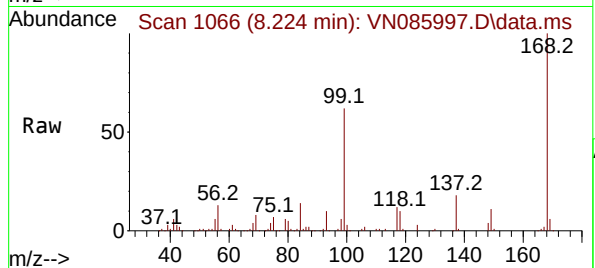
Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

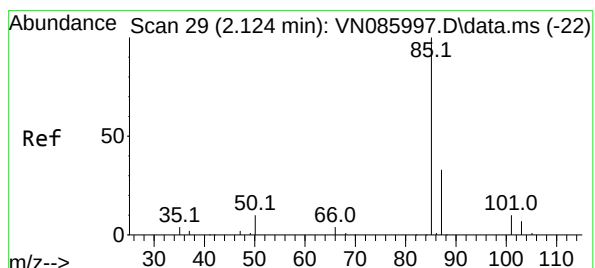
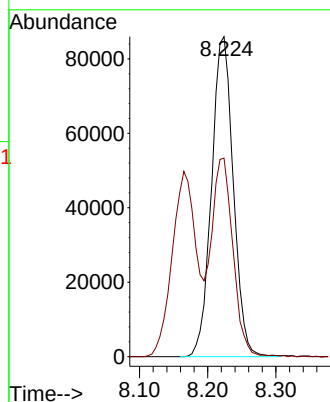
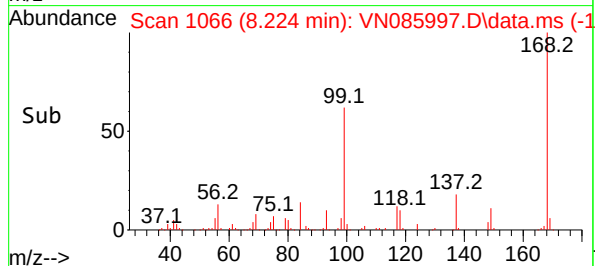
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:168 Resp: 191040
Ion Ratio Lower Upper
168 100
99 61.8 49.4 74.2

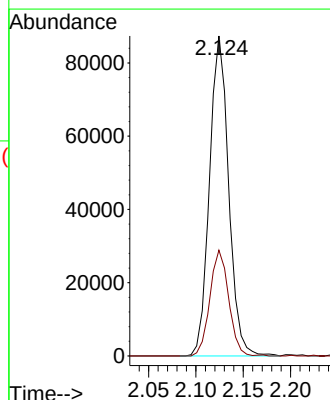
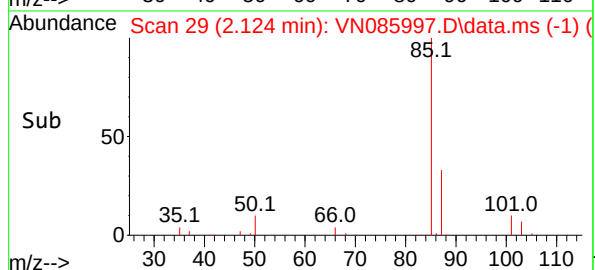
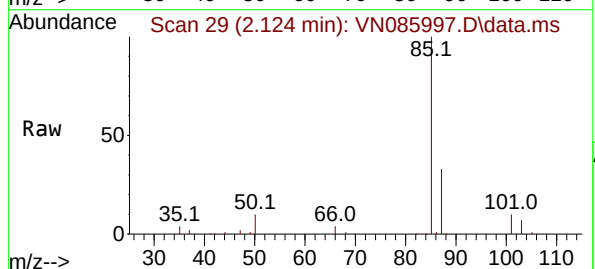
Manual Integrations
APPROVED

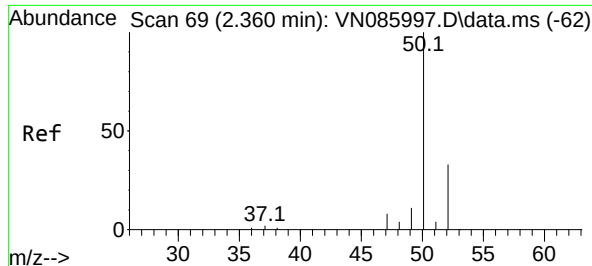
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 48.549 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 85 Resp: 122875
Ion Ratio Lower Upper
85 100
87 33.0 16.5 49.5





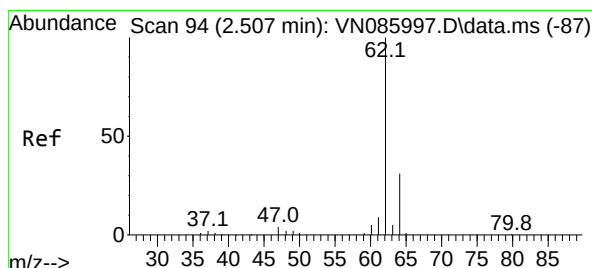
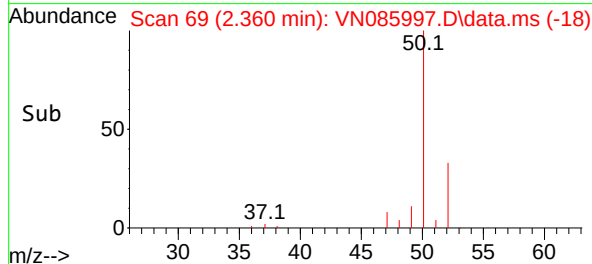
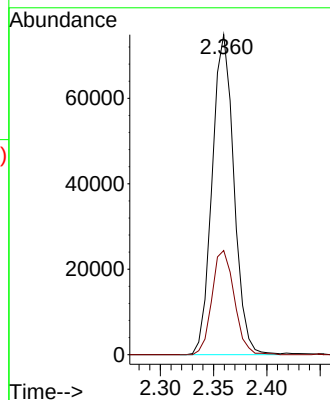
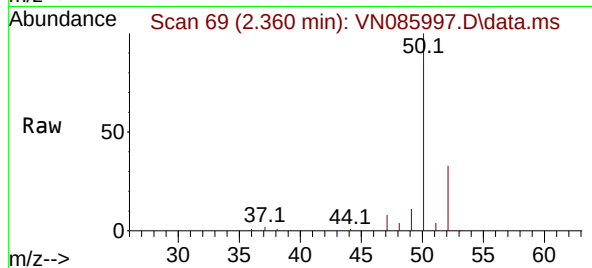
#3
Chloromethane
Concen: 47.928 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 106349
Ion Ratio Lower Upper
50 100
52 32.5 26.0 39.0

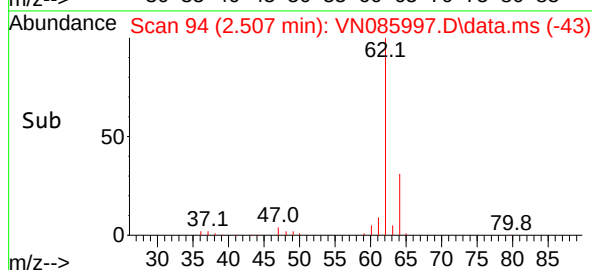
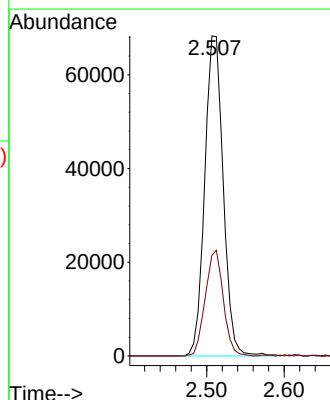
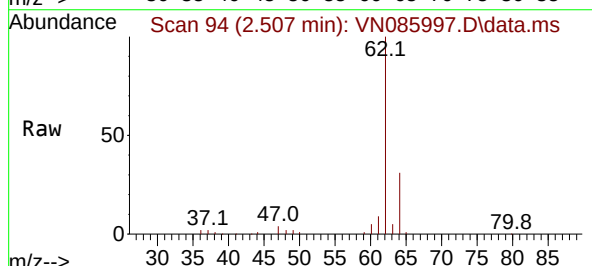
Manual Integrations
APPROVED

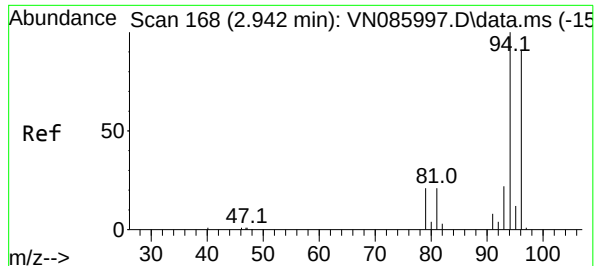
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 49.880 ug/l
RT: 2.507 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 62 Resp: 113163
Ion Ratio Lower Upper
62 100
64 31.5 25.2 37.8





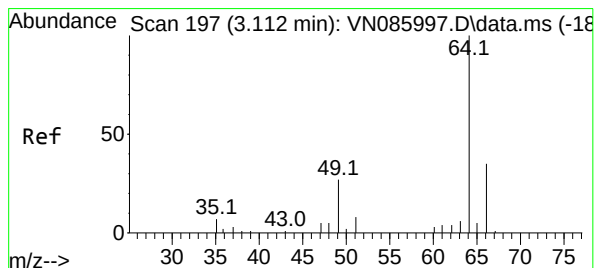
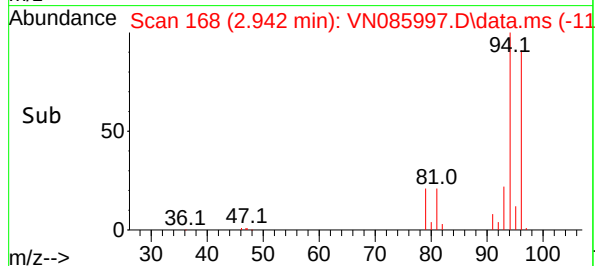
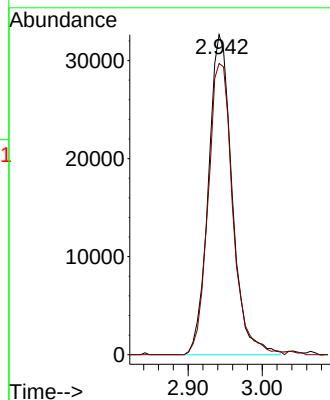
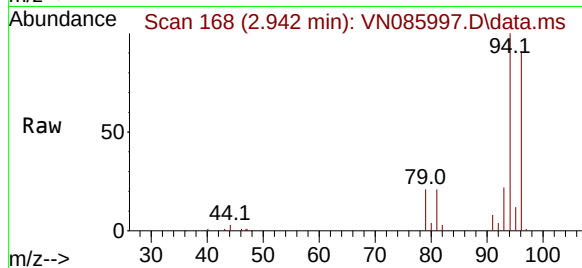
#5
Bromomethane
Concen: 47.103 ug/l
RT: 2.942 min Scan# 168
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 7279
Ion Ratio Lower Upper
94 100
96 91.0 72.8 109.2

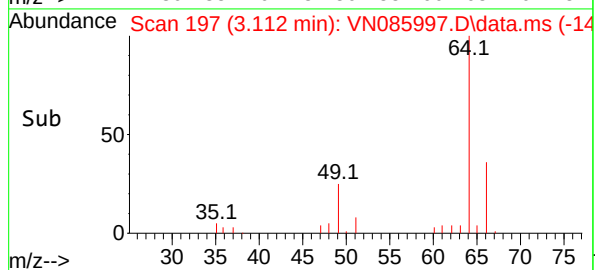
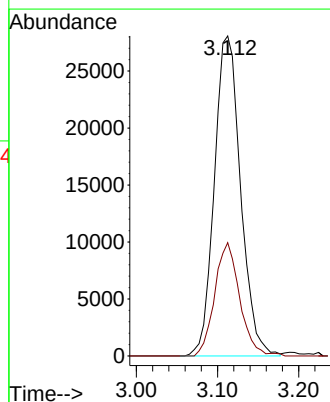
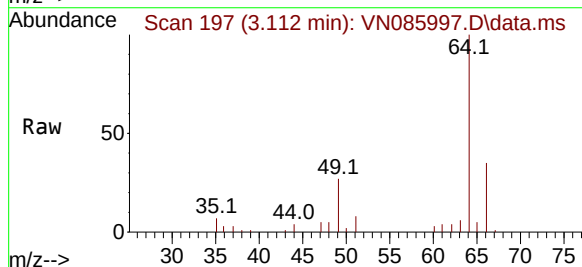
Manual Integrations
APPROVED

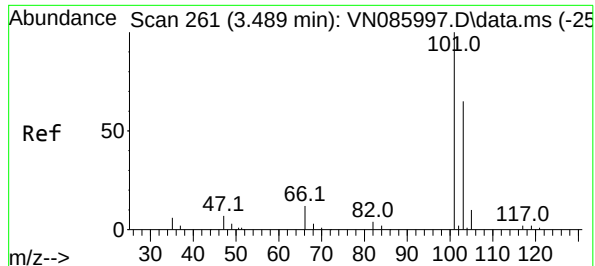
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#6
Chloroethane
Concen: 44.072 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

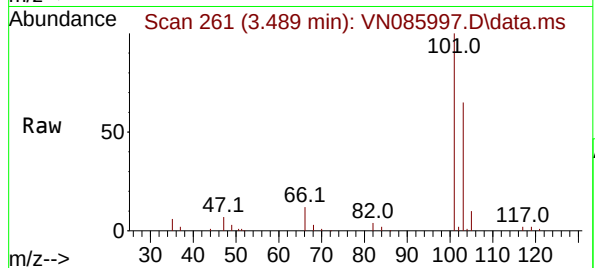
Tgt Ion: 64 Resp: 63077
Ion Ratio Lower Upper
64 100
66 35.4 28.3 42.5





#7
Trichlorofluoromethane
Concen: 45.774 ug/l
RT: 3.489 min Scan# 261
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

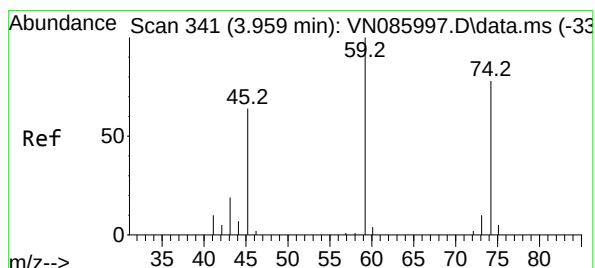
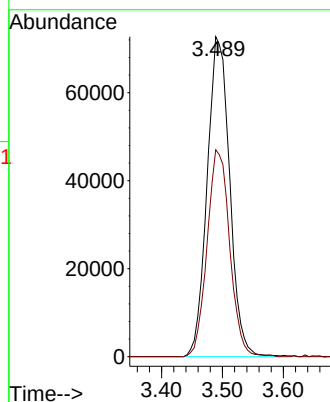
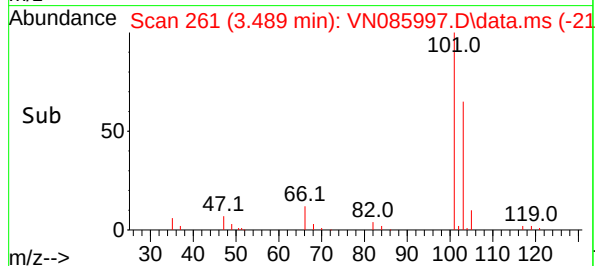
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 186678
Ion Ratio Lower Upper
101 100
103 64.6 51.7 77.5

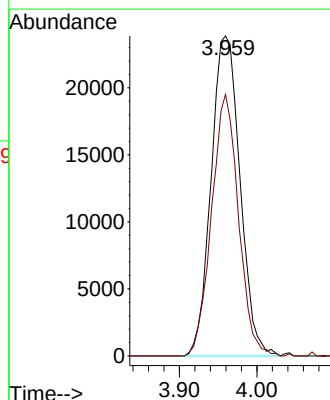
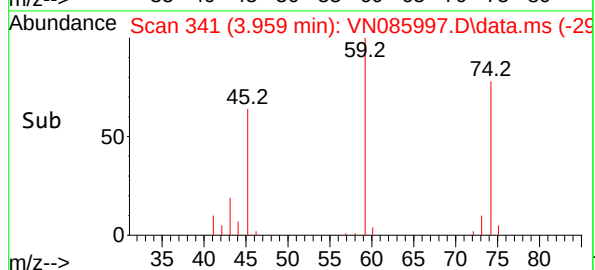
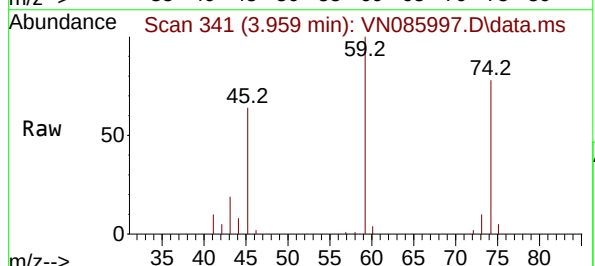
Manual Integrations
APPROVED

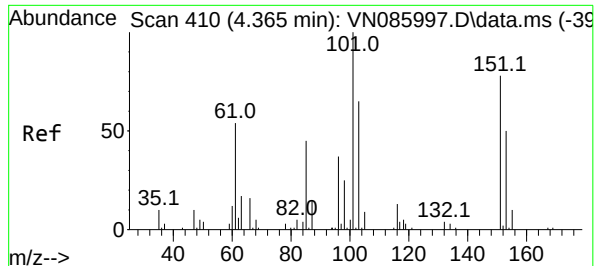
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#8
Diethyl Ether
Concen: 49.647 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 74 Resp: 61984
Ion Ratio Lower Upper
74 100
45 75.9 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.380 ug/l

RT: 4.365 min Scan# 410

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 9836

Ion Ratio Lower Upper

101 100

85 45.6 36.5 54.7

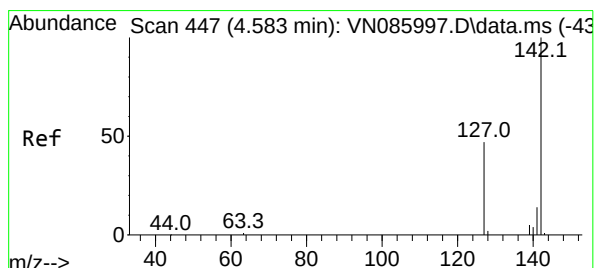
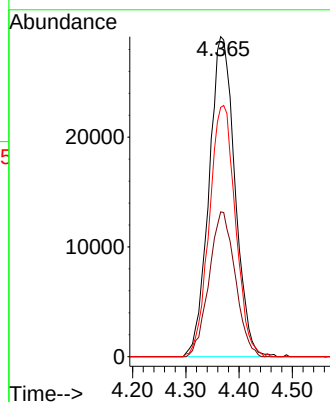
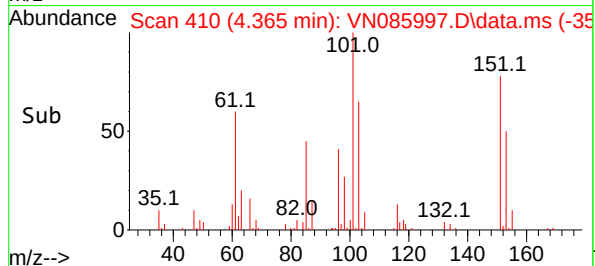
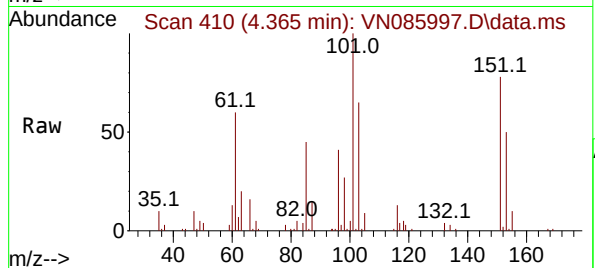
151 79.2 63.4 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#10

Methyl Iodide

Concen: 49.232 ug/l

RT: 4.583 min Scan# 447

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

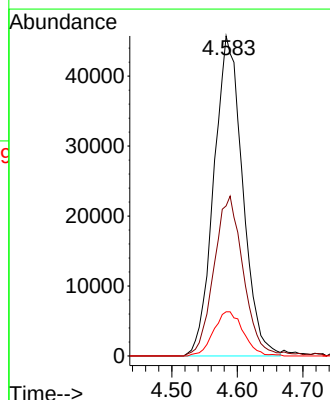
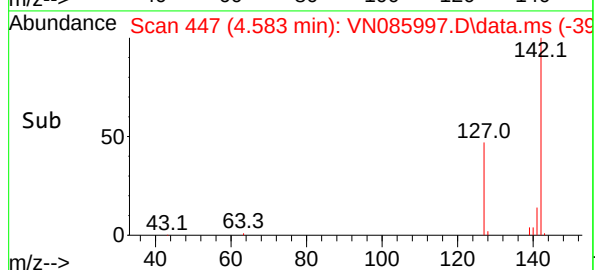
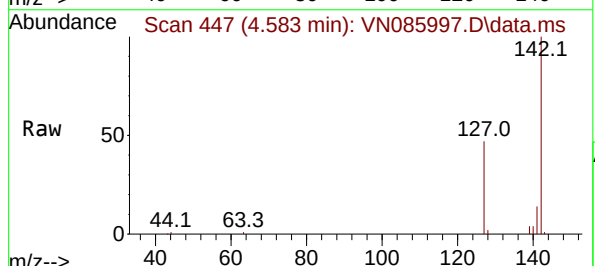
Tgt Ion:142 Resp: 139044

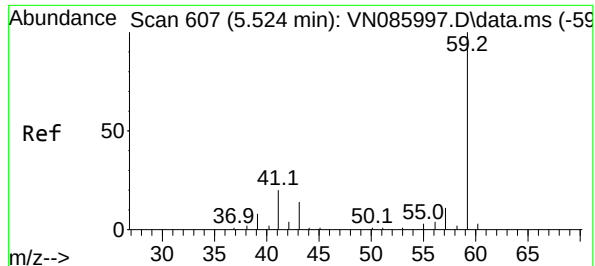
Ion Ratio Lower Upper

142 100

127 46.9 37.5 56.3

141 13.8 11.0 16.6





#11

Tert butyl alcohol

Concen: 243.082 ug/l

RT: 5.524 min Scan# 607

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 9003

Ion Ratio Lower Upper

59 100

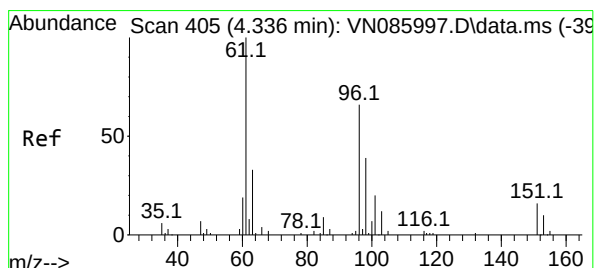
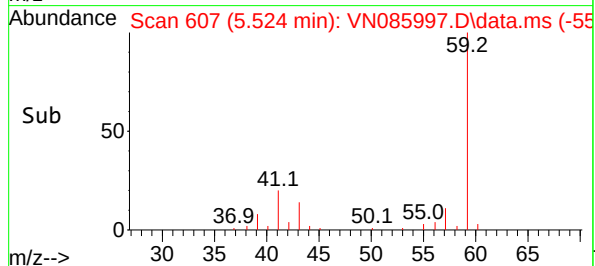
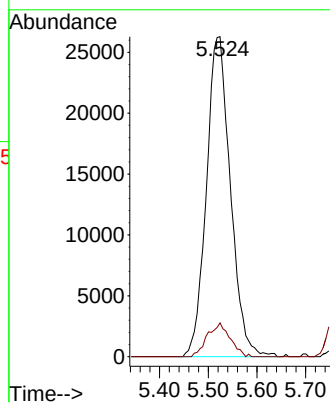
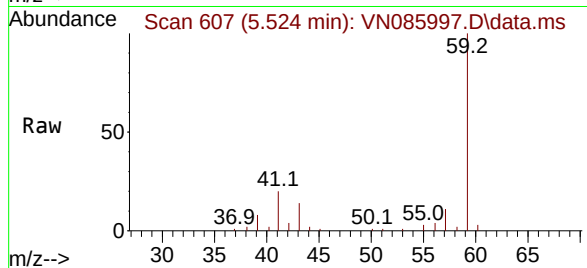
57 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#12

1,1-Dichloroethene

Concen: 50.369 ug/l

RT: 4.336 min Scan# 405

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

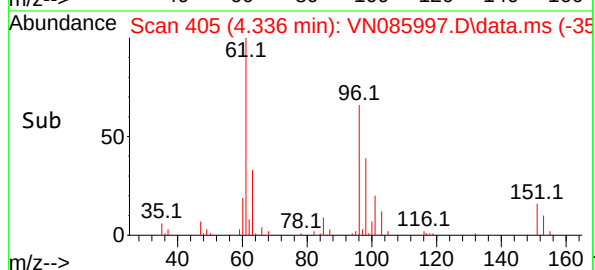
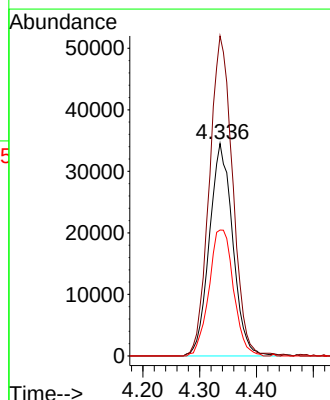
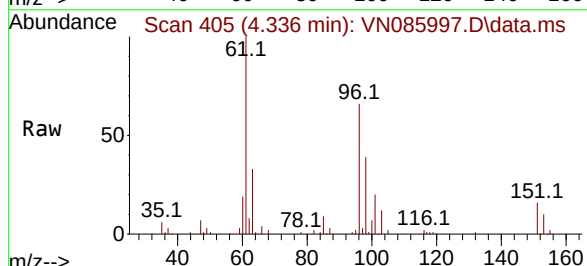
Tgt Ion: 96 Resp: 98583

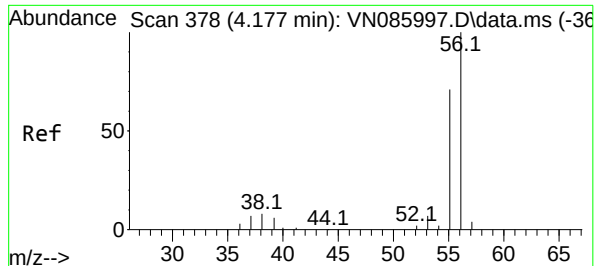
Ion Ratio Lower Upper

96 100

61 150.6 120.5 180.7

98 59.2 47.4 71.0





#13

Acrolein

Concen: 241.241 ug/l

RT: 4.177 min Scan# 378

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 95299

Ion Ratio Lower Upper

56 100

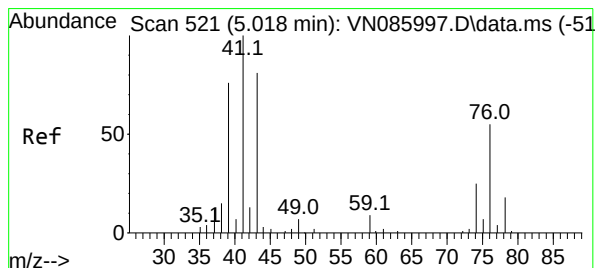
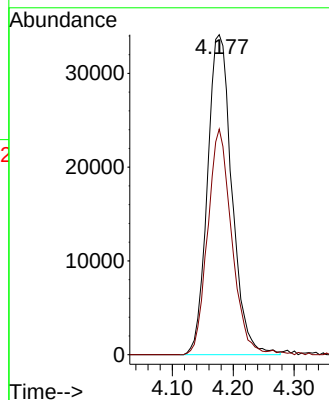
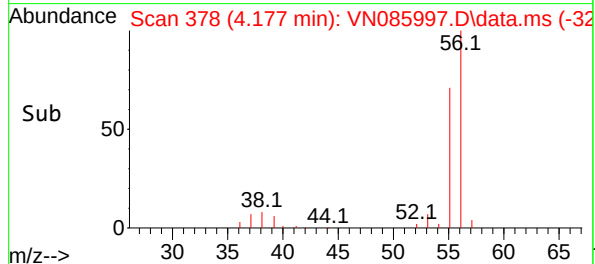
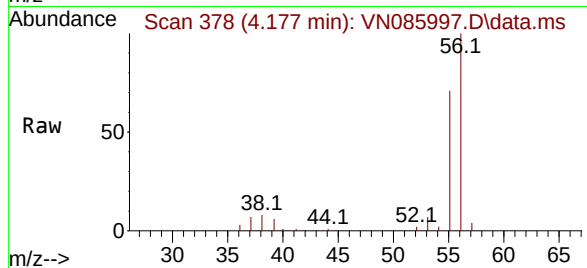
55 68.9 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 48.265 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

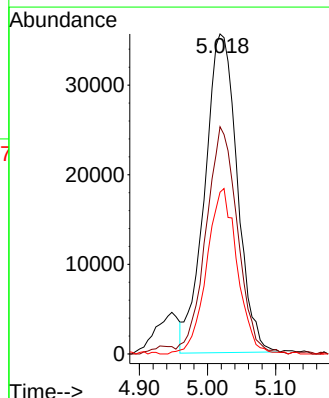
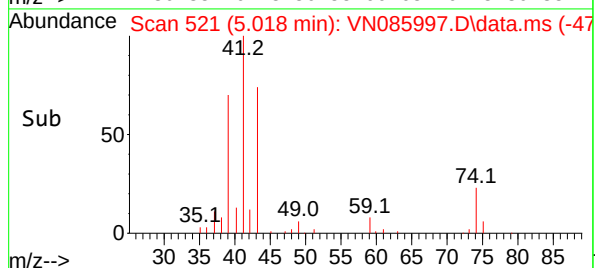
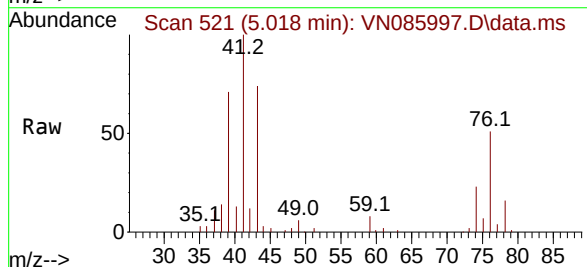
Tgt Ion: 41 Resp: 117849

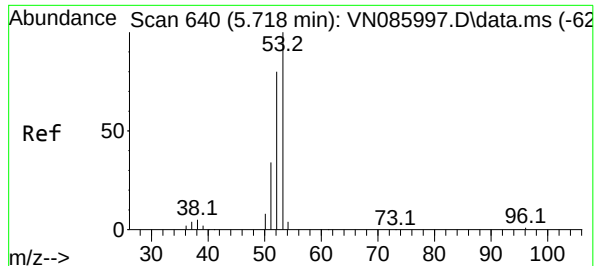
Ion Ratio Lower Upper

41 100

39 69.4 55.5 83.3

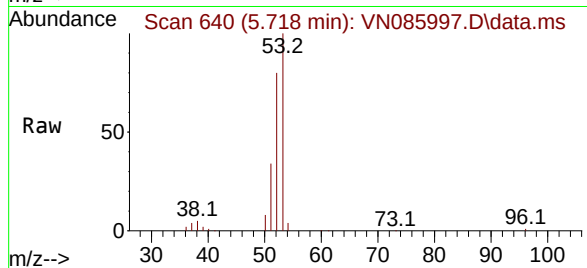
76 48.9 39.1 58.7





#15
Acrylonitrile
Concen: 241.896 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

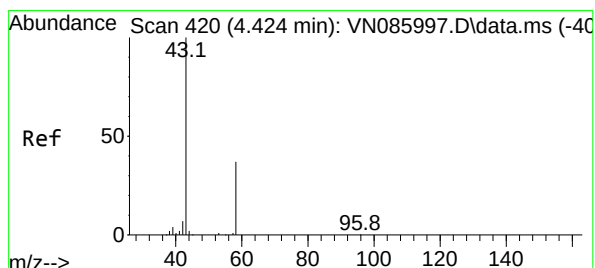
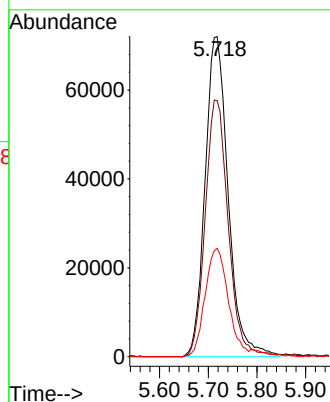
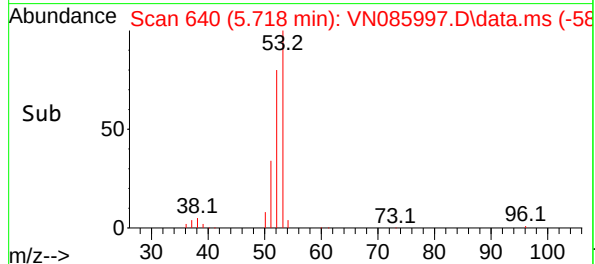
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 53 Resp: 236614
Ion Ratio Lower Upper
53 100
52 79.9 63.9 95.9
51 33.9 27.1 40.7

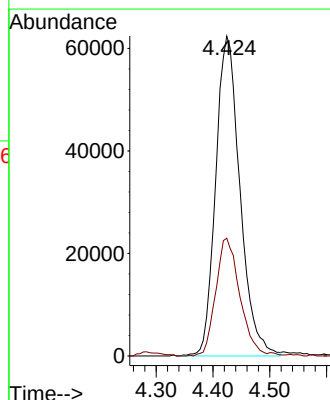
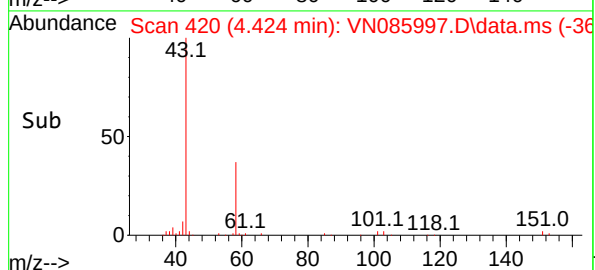
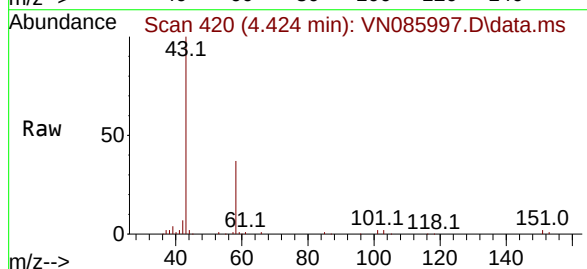
Manual Integrations
APPROVED

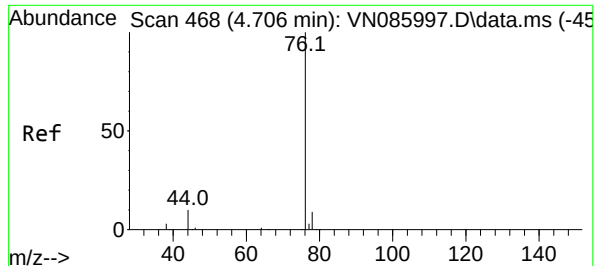
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#16
Acetone
Concen: 232.246 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

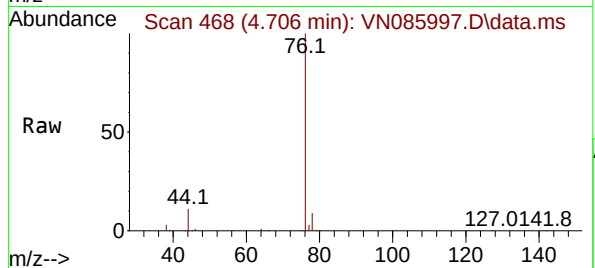
Tgt Ion: 43 Resp: 185613
Ion Ratio Lower Upper
43 100
58 36.8 29.4 44.2





#17
Carbon Disulfide
Concen: 44.810 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

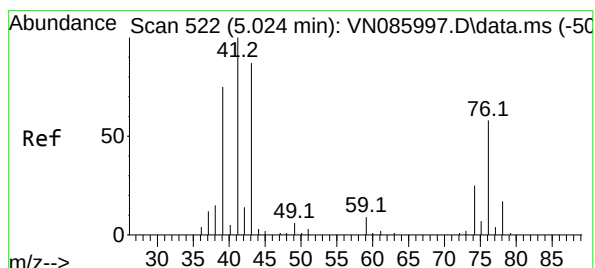
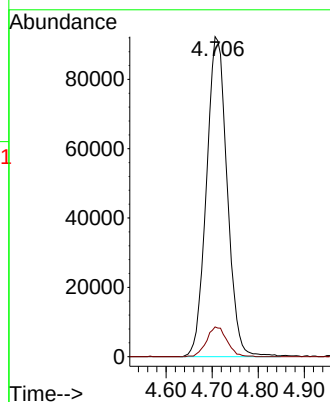
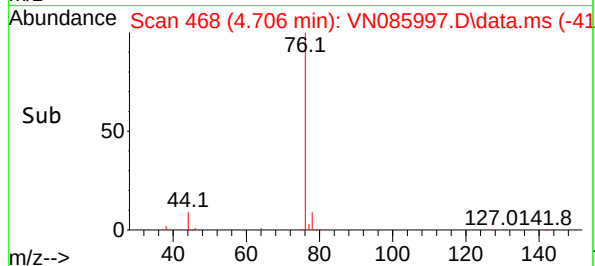
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 76 Resp: 288424
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

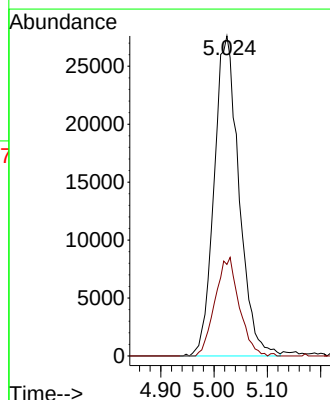
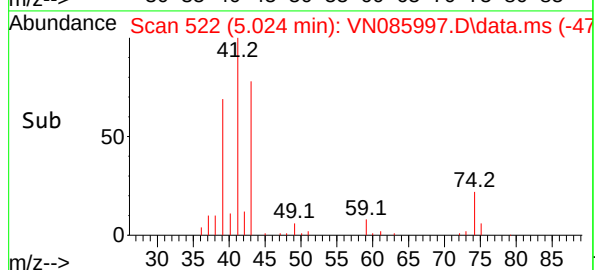
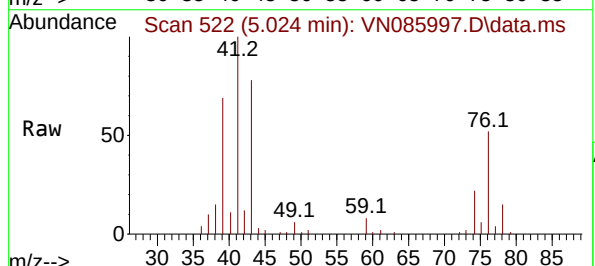
Manual Integrations
APPROVED

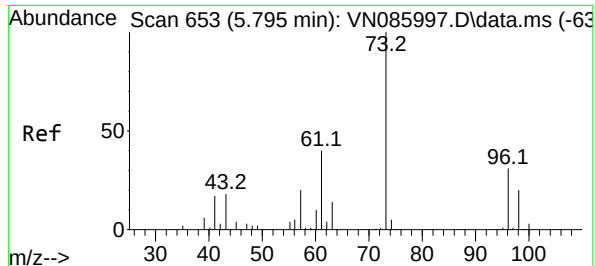
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#18
Methyl Acetate
Concen: 45.288 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 43 Resp: 89551
Ion Ratio Lower Upper
43 100
74 29.9 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 50.377 ug/l

RT: 5.795 min Scan# 61

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 32309

Ion Ratio Lower Upper

73 100

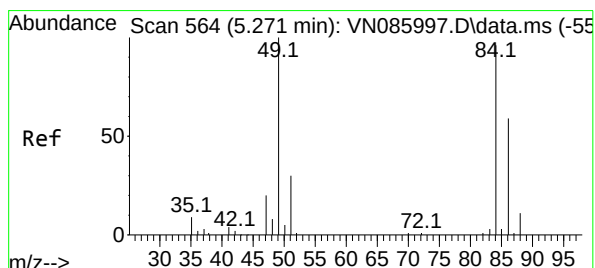
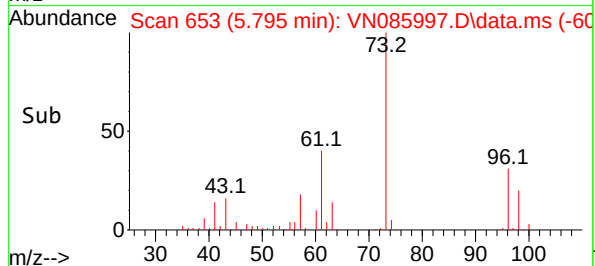
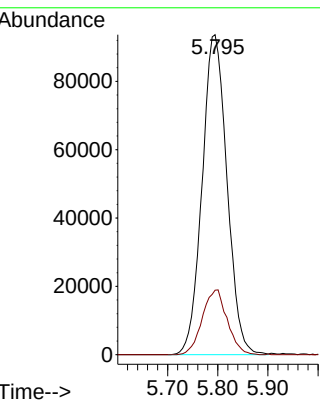
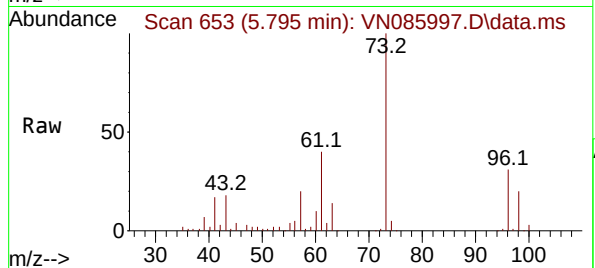
57 20.1 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#20

Methylene Chloride

Concen: 46.158 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Tgt Ion: 84 Resp: 107918

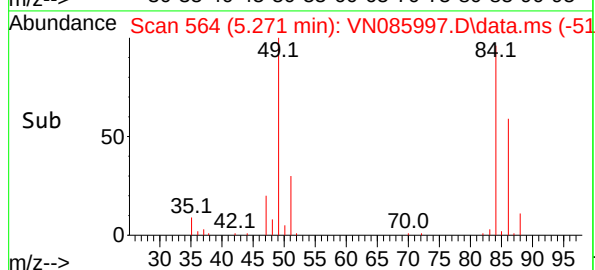
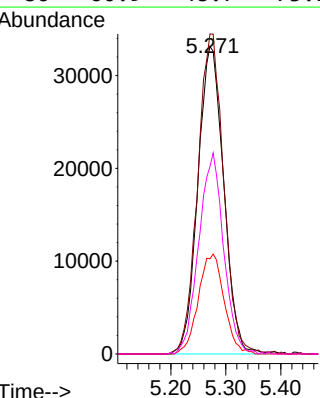
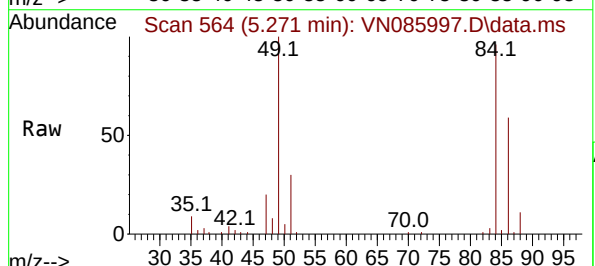
Ion Ratio Lower Upper

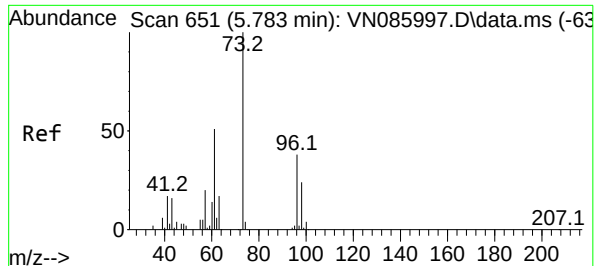
84 100

49 104.1 83.3 124.9

51 31.0 24.8 37.2

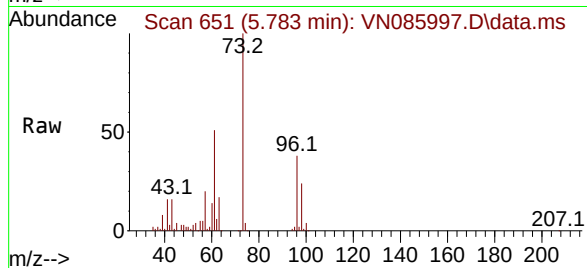
86 60.9 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 47.670 ug/l
RT: 5.783 min Scan# 651
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

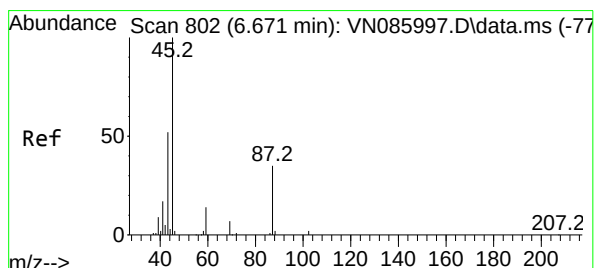
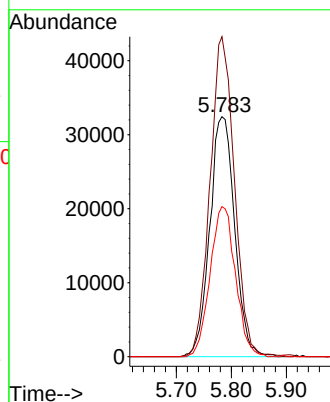
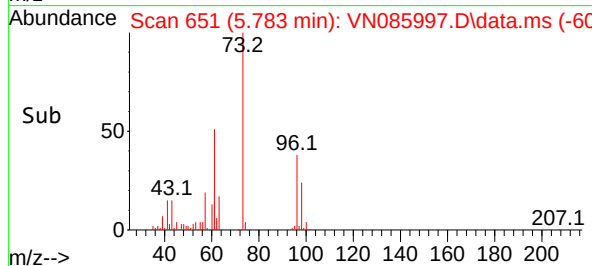
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 101963
Ion Ratio Lower Upper
96 100
61 133.3 106.6 160.0
98 62.5 50.0 75.0

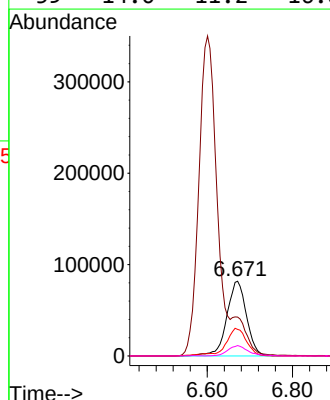
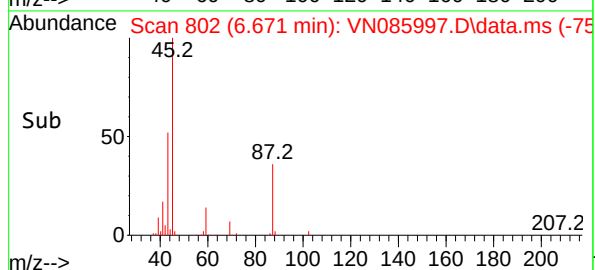
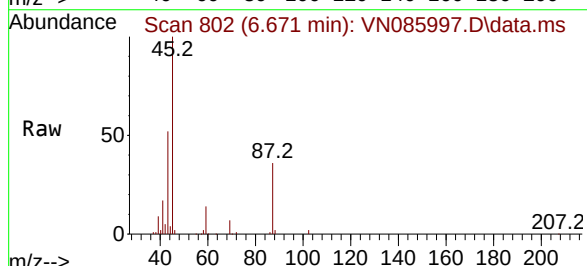
Manual Integrations
APPROVED

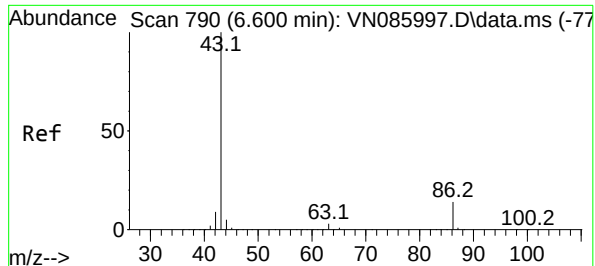
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 50.597 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 45 Resp: 263272
Ion Ratio Lower Upper
45 100
43 51.5 41.2 61.8
87 35.6 28.5 42.7
59 14.0 11.2 16.8





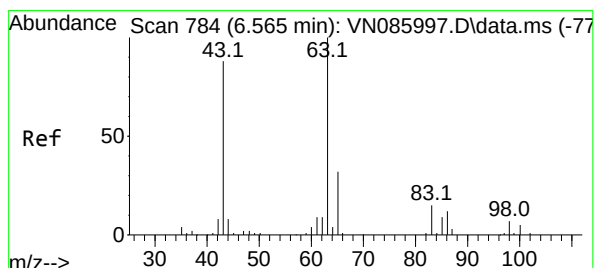
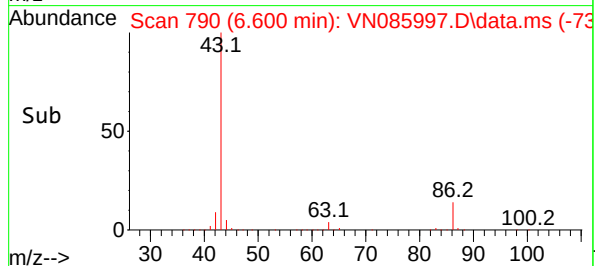
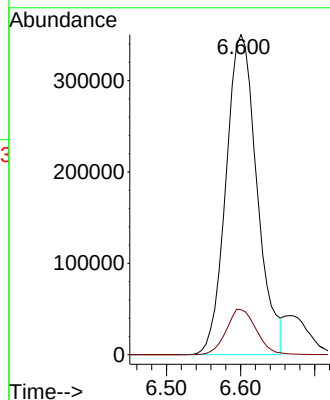
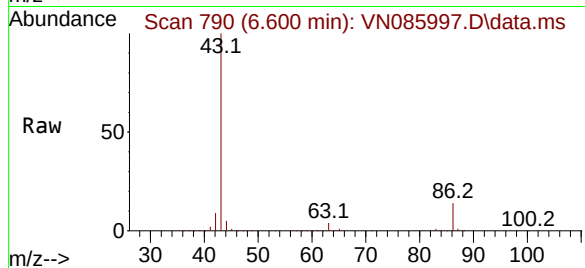
#23
 Vinyl Acetate
 Concen: 258.439 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: VN085997.D
 Acq: 18 Mar 2025 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 43 Resp: 1019460
 Ion Ratio Lower Upper
 43 100
 86 14.0 11.2 16.8

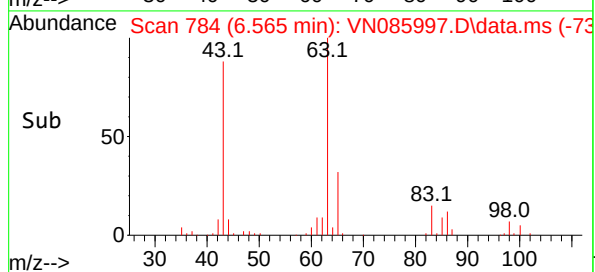
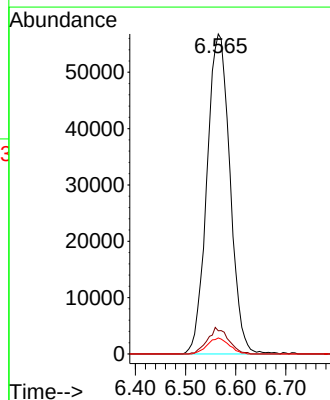
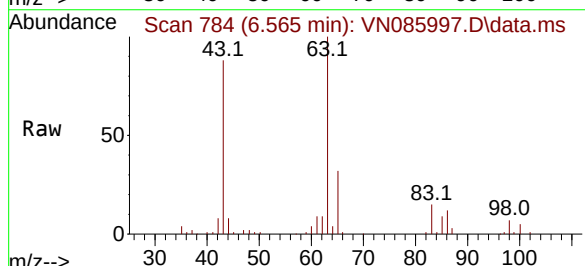
Manual Integrations
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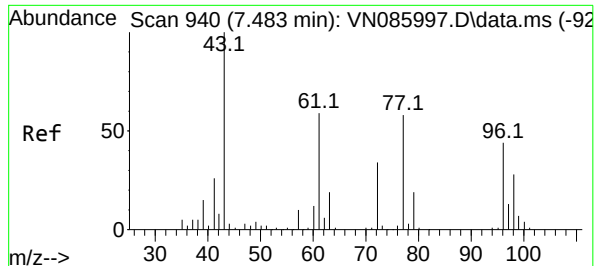
Reviewed By :John Carlone 03/19/2025
 Supervised By :Mahesh Dadoda 03/19/2025



#24
 1,1-Dichloroethane
 Concen: 47.361 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: VN085997.D
 Acq: 18 Mar 2025 12:08

Tgt Ion: 63 Resp: 181215
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.6 10.9
 100 5.0 2.5 7.5





#25

2-Butanone

Concen: 241.675 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 278702

Ion Ratio Lower Upper

43 100

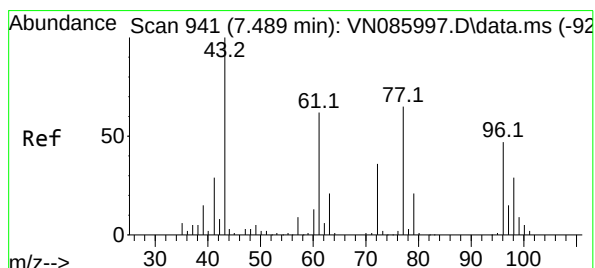
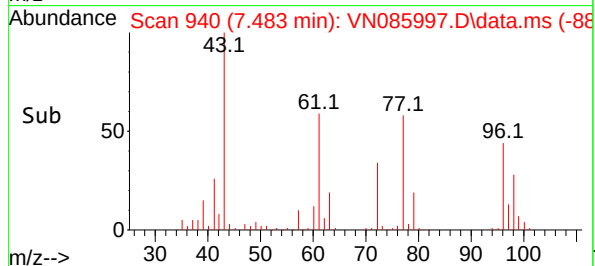
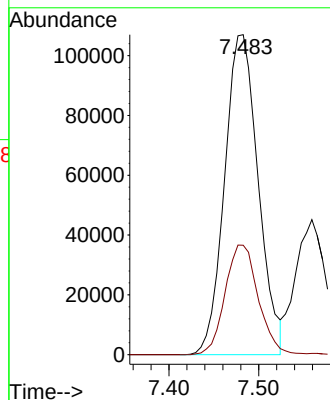
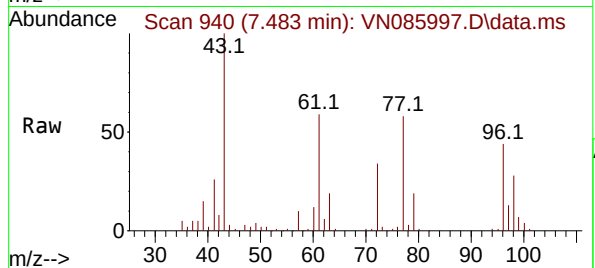
72 34.2 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#26

2,2-Dichloropropane

Concen: 48.036 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN085997.D

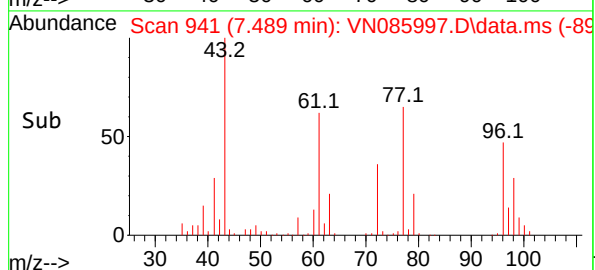
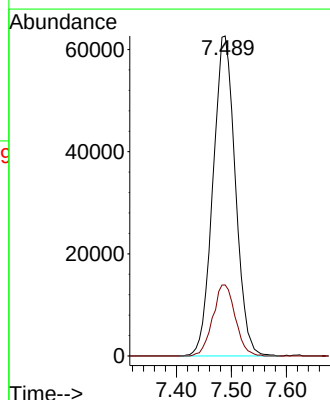
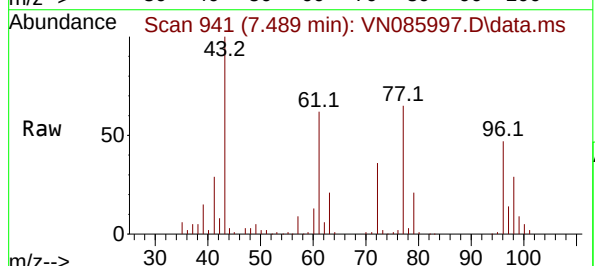
Acq: 18 Mar 2025 12:08

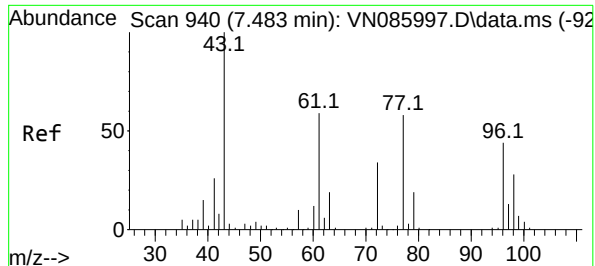
Tgt Ion: 77 Resp: 176949

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 49.730 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 120874

Ion Ratio Lower Upper

96 100

61 136.4 0.0 272.8

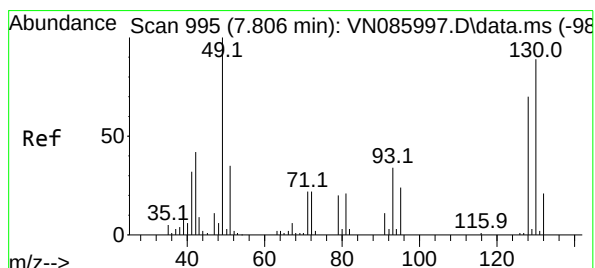
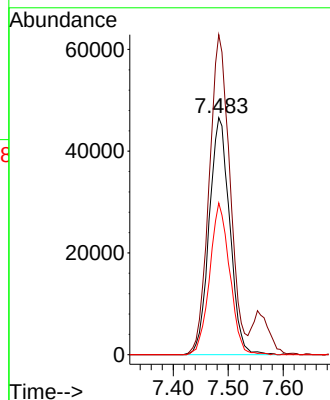
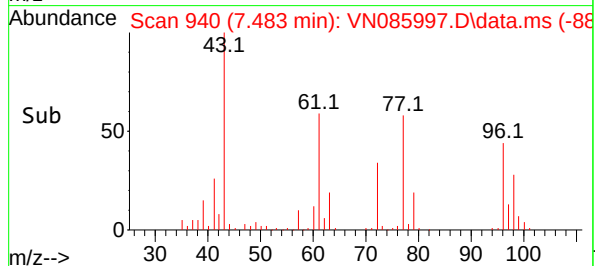
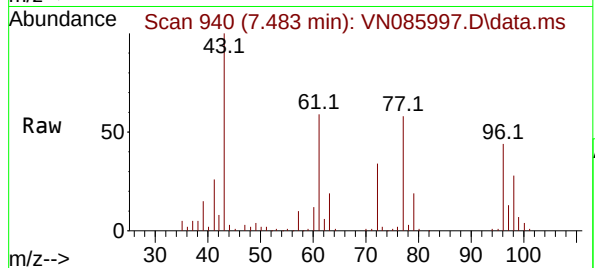
98 62.4 0.0 124.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#28

Bromochloromethane

Concen: 46.067 ug/l

RT: 7.806 min Scan# 995

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

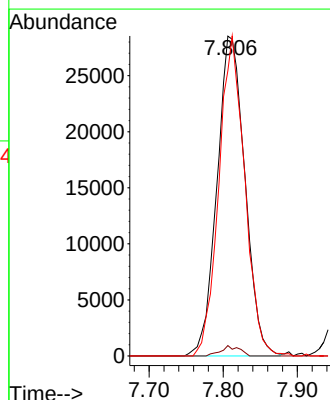
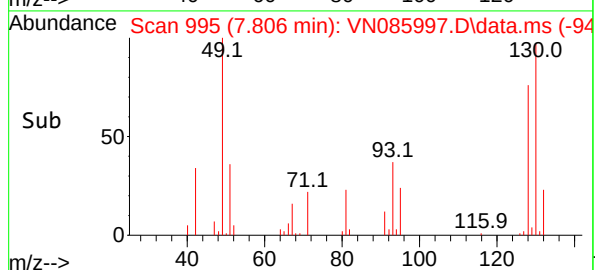
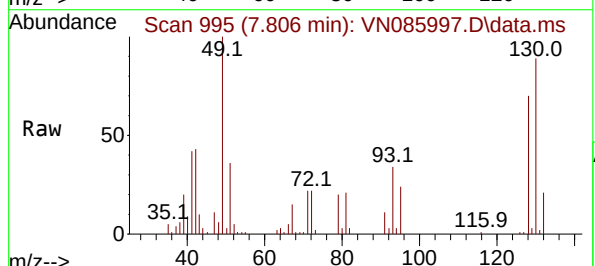
Tgt Ion: 49 Resp: 74679

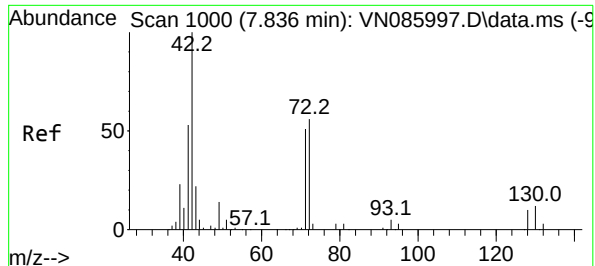
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

130 92.8 74.2 111.4





#29

Tetrahydrofuran

Concen: 260.140 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 18520

Ion Ratio Lower Upper

42 100

72 56.2 45.0 67.4

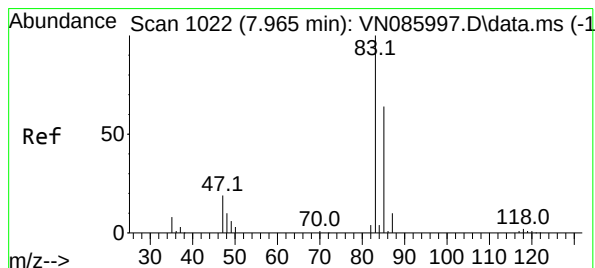
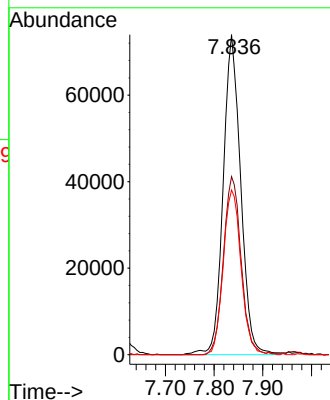
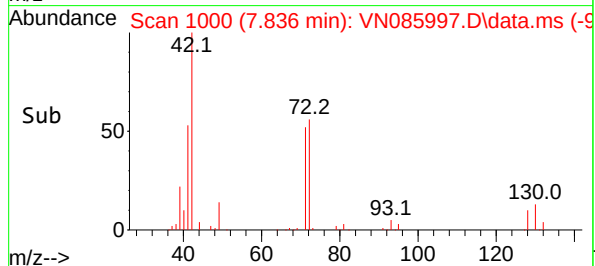
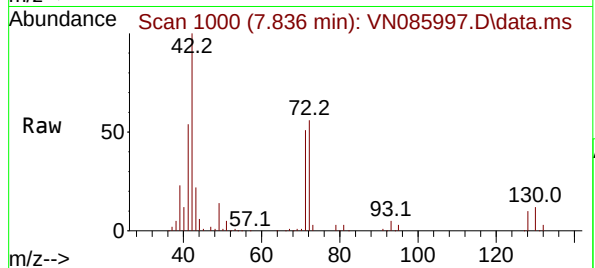
71 52.4 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 45.948 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN085997.D

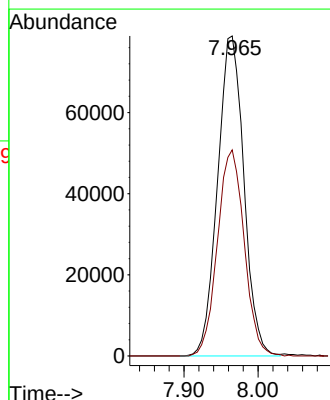
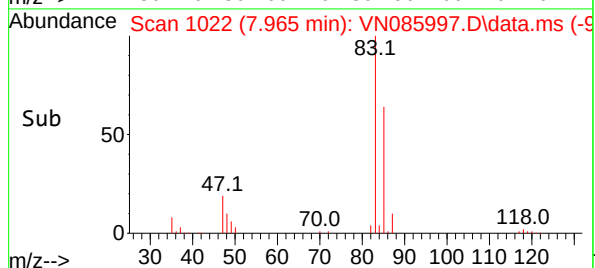
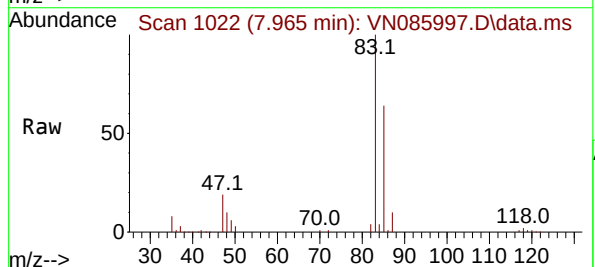
Acq: 18 Mar 2025 12:08

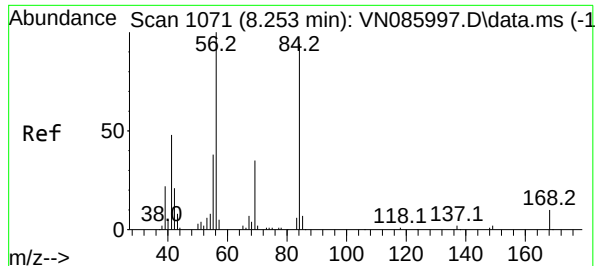
Tgt Ion: 83 Resp: 194324

Ion Ratio Lower Upper

83 100

85 64.4 51.5 77.3





#31

Cyclohexane

Concen: 46.831 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 15264

Ion Ratio Lower Upper

56 100

69 35.0 28.0 42.0

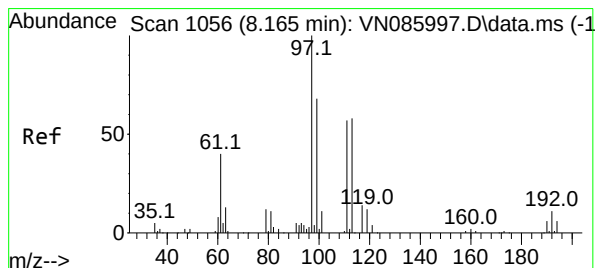
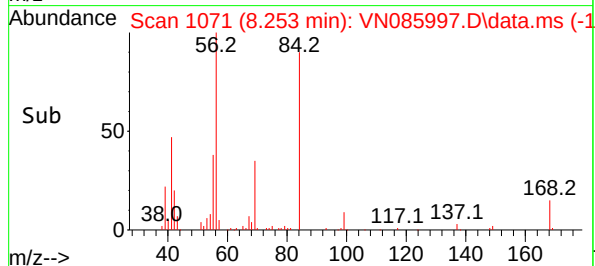
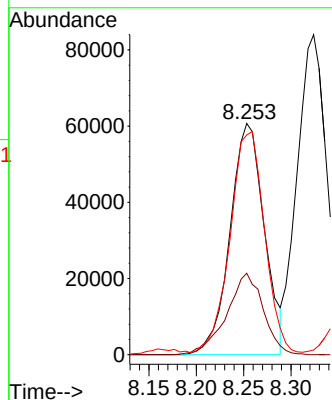
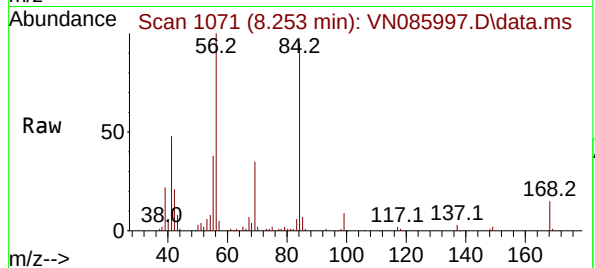
84 93.8 75.0 112.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#32

1,1,1-Trichloroethane

Concen: 47.032 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

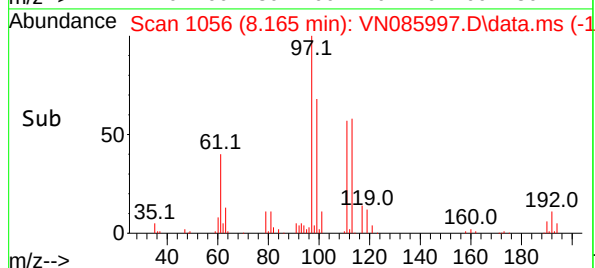
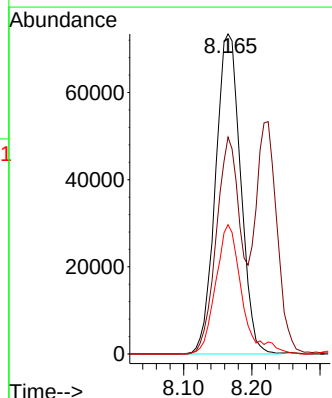
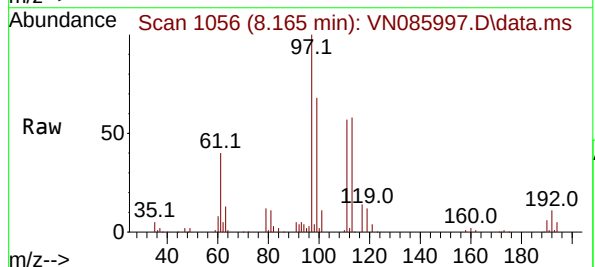
Tgt Ion: 97 Resp: 188288

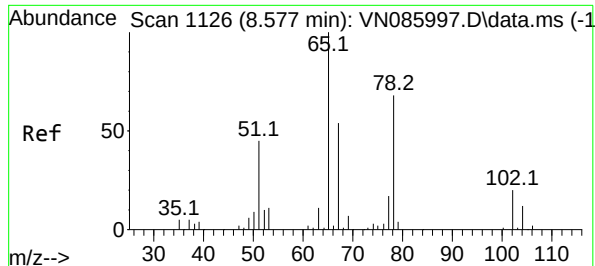
Ion Ratio Lower Upper

97 100

99 66.0 52.8 79.2

61 42.0 33.6 50.4





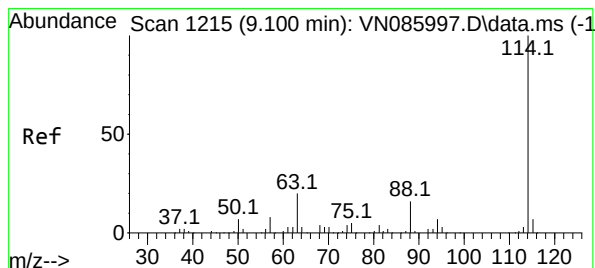
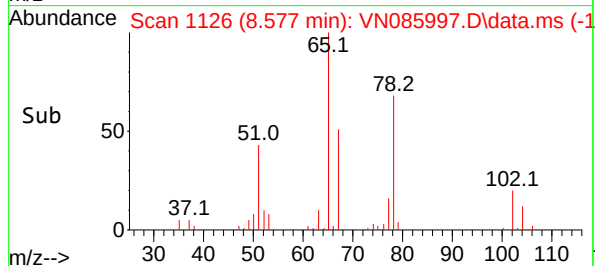
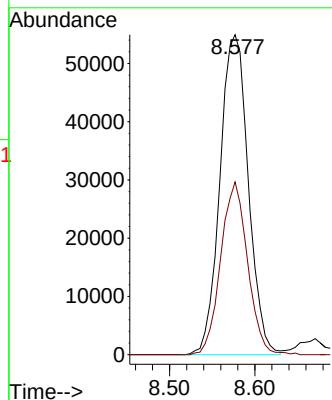
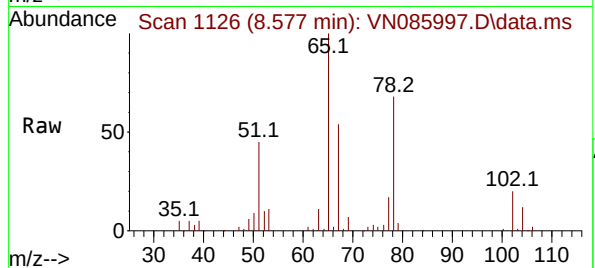
#33
1,2-Dichloroethane-d4
Concen: 48.559 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 127029
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.2

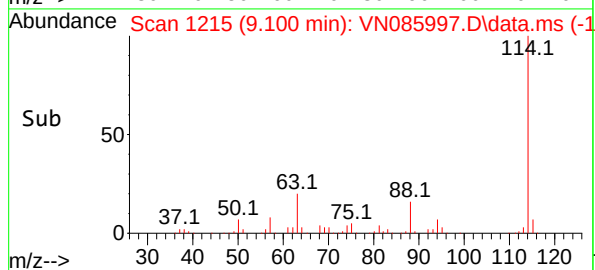
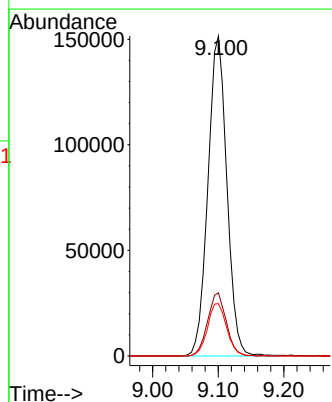
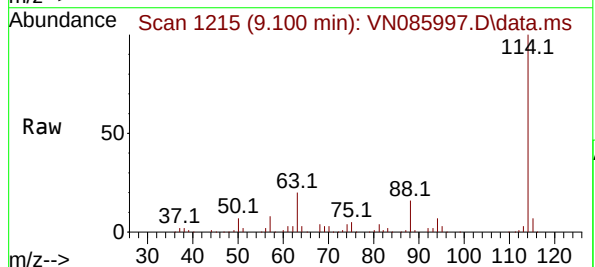
Manual Integrations
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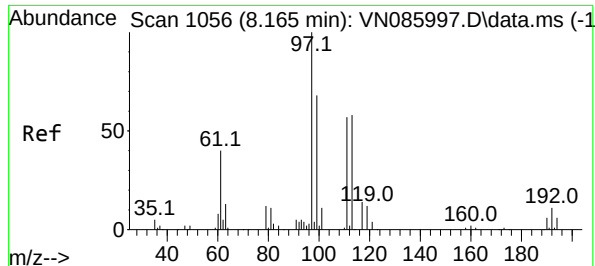
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

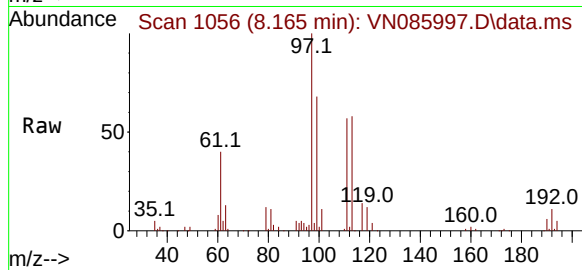
Tgt Ion:114 Resp: 303794
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.6
88 16.3 0.0 32.6





#35
Dibromofluoromethane
Concen: 47.910 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

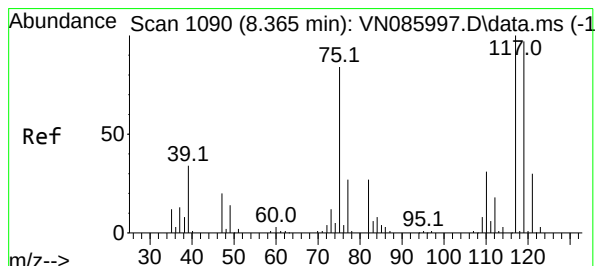
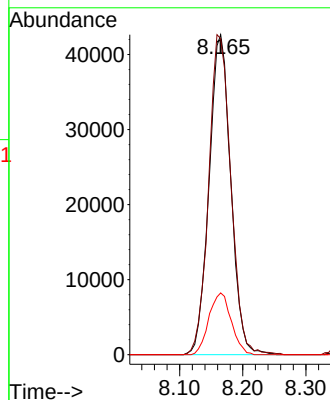
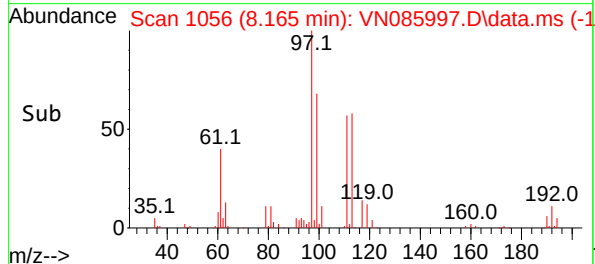
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 113 Resp: 101590
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 19.9 15.9 23.9

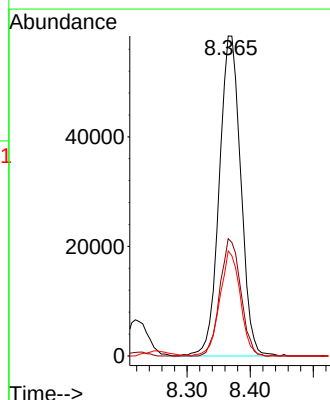
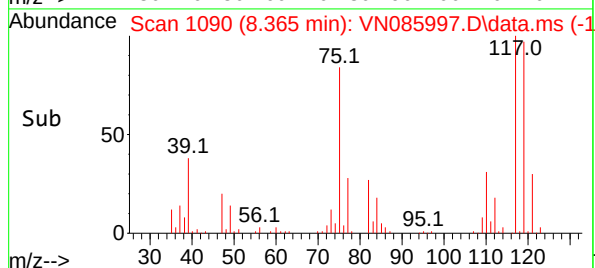
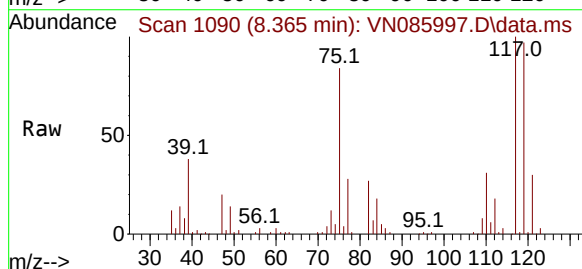
Manual Integrations
APPROVED

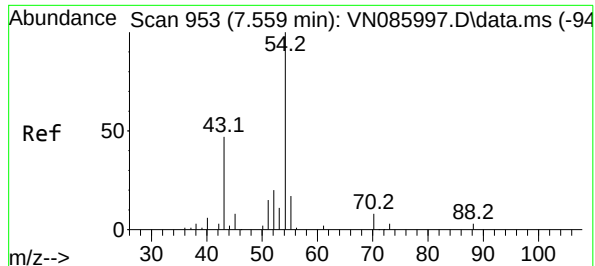
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#36
1,1-Dichloropropene
Concen: 49.422 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 75 Resp: 137990
Ion Ratio Lower Upper
75 100
110 35.5 17.8 53.3
77 31.2 25.0 37.4





#37

Ethyl Acetate

Concen: 47.350 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 11153

Ion Ratio Lower Upper

43 100

61 16.2 13.0 19.4

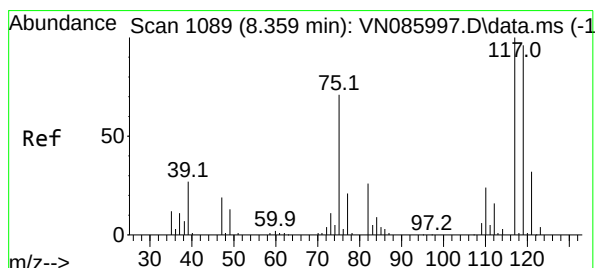
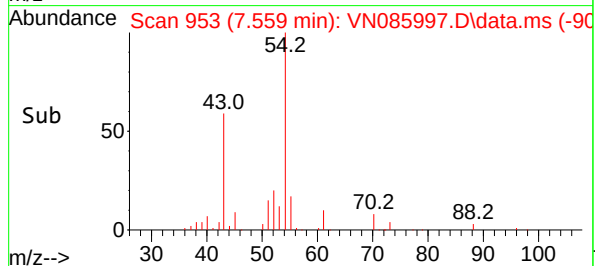
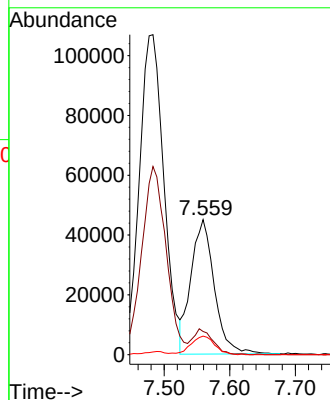
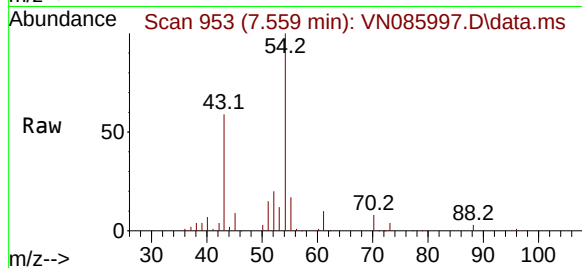
70 13.8 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#38

Carbon Tetrachloride

Concen: 47.847 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

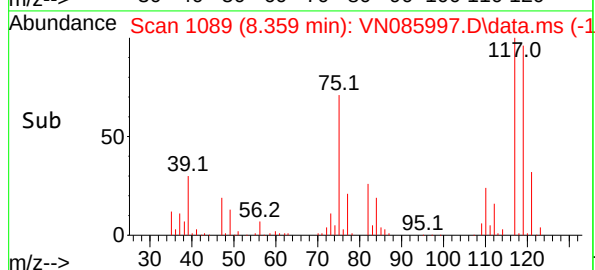
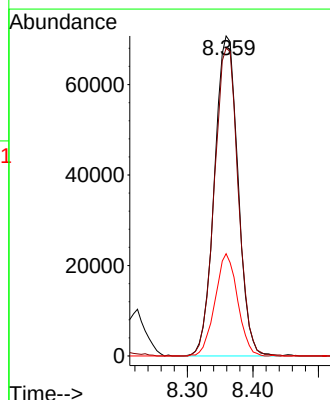
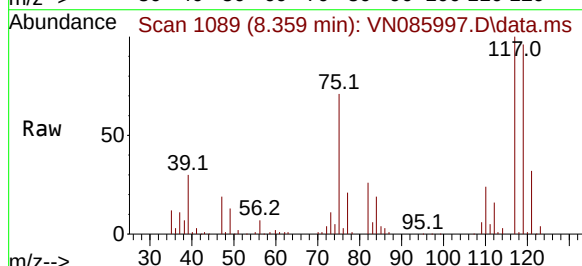
Tgt Ion:117 Resp: 175652

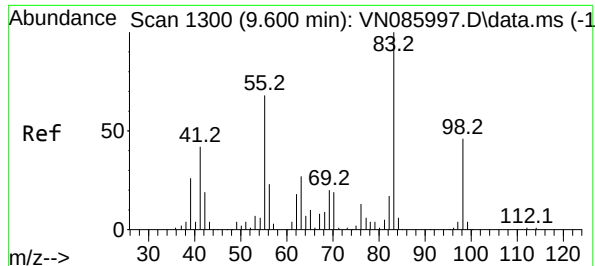
Ion Ratio Lower Upper

117 100

119 96.2 77.0 115.4

121 32.0 25.6 38.4





#39

Methylcyclohexane

Concen: 52.126 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 14439

Ion Ratio Lower Upper

83 100

55 67.7 54.2 81.2

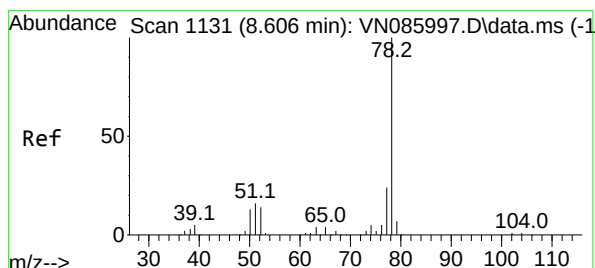
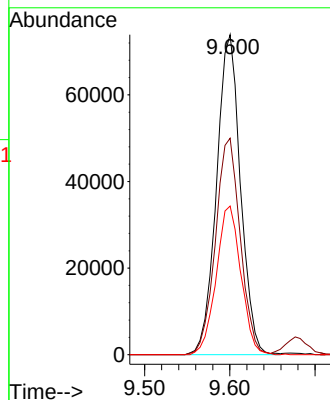
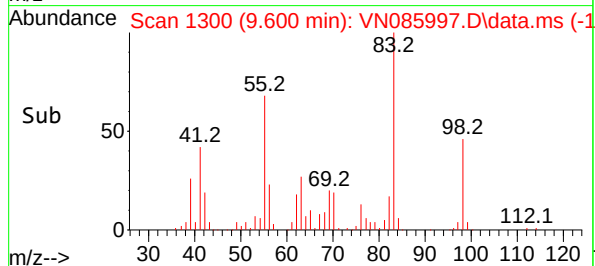
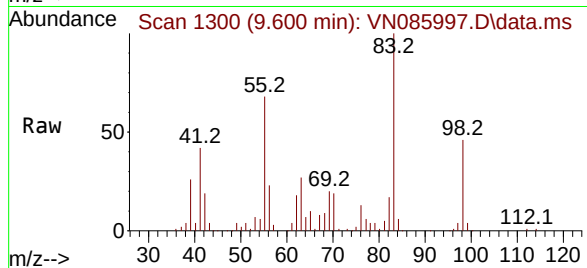
98 46.4 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#40

Benzene

Concen: 48.268 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN085997.D

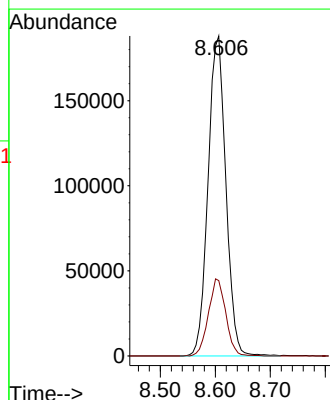
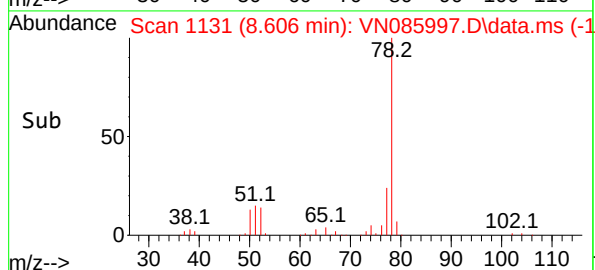
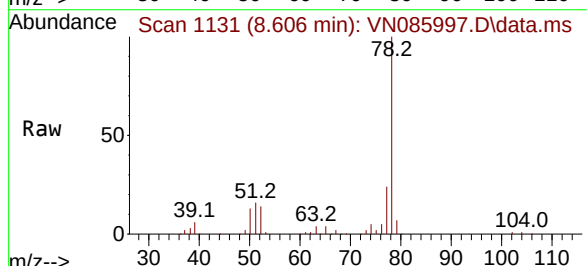
Acq: 18 Mar 2025 12:08

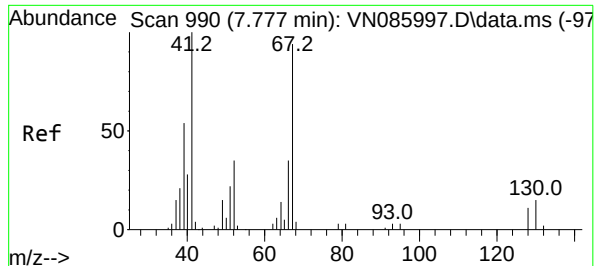
Tgt Ion: 78 Resp: 423071

Ion Ratio Lower Upper

78 100

77 23.6 18.9 28.3





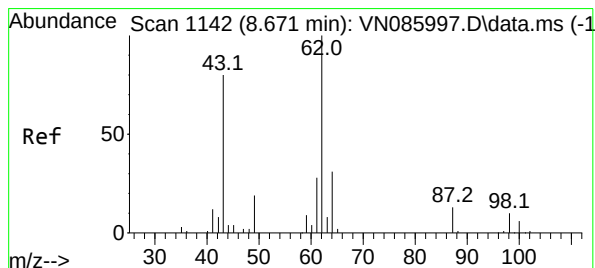
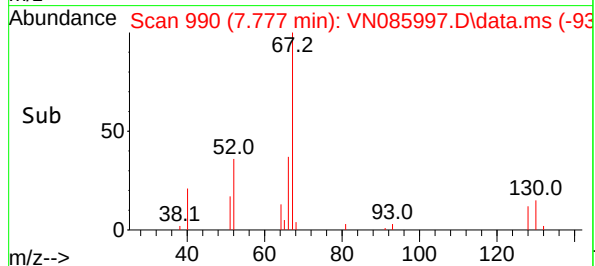
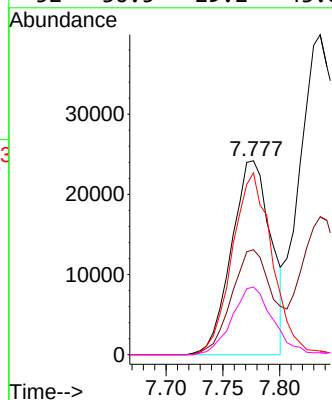
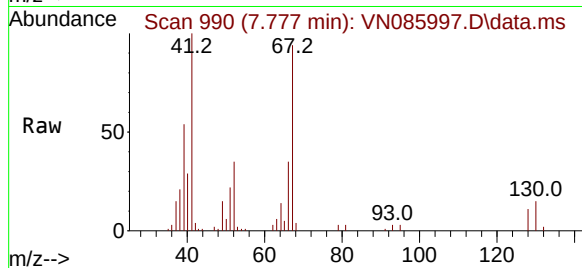
#41
Methacrylonitrile
Concen: 52.096 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 58590
Ion Ratio Lower Upper
41 100
39 57.7 46.2 69.2
67 94.9 75.9 113.9
52 36.5 29.2 43.8

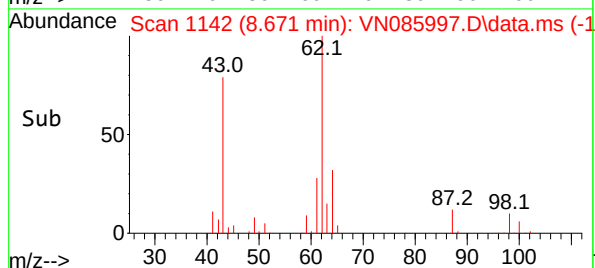
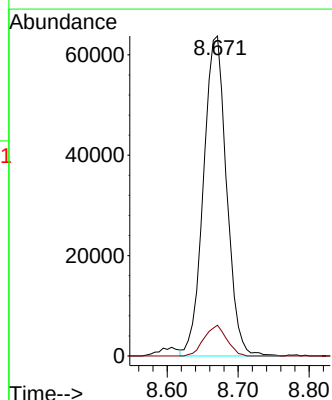
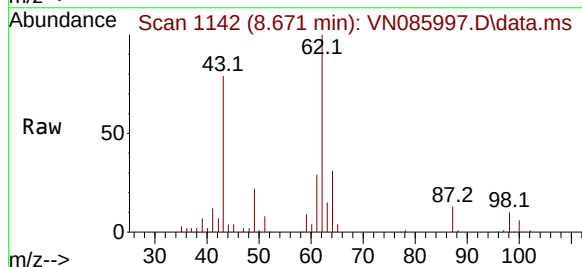
Manual Integrations
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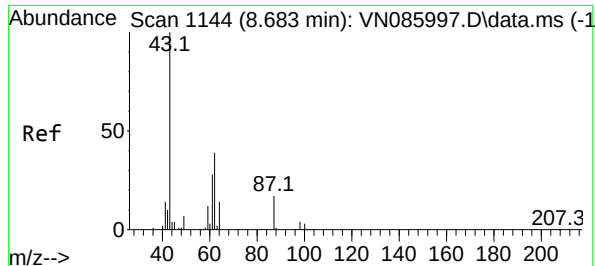
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#42
1,2-Dichloroethane
Concen: 47.265 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 62 Resp: 144354
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.6





#43

Isopropyl Acetate

Concen: 40.845 ug/l m

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

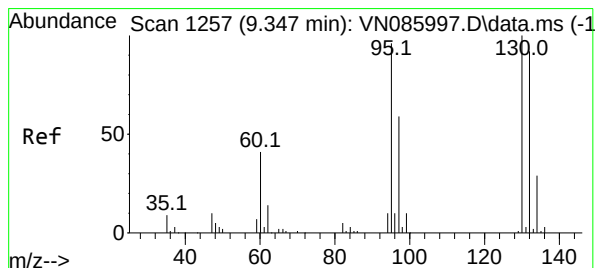
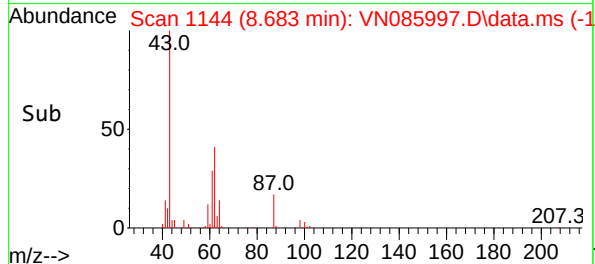
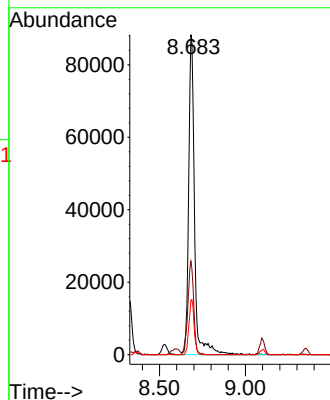
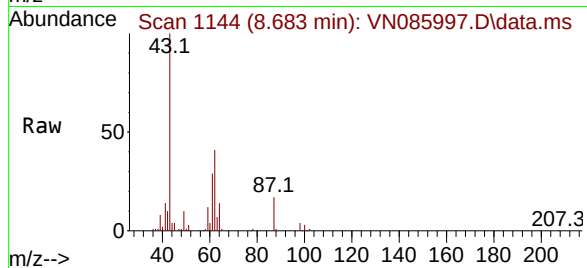
Tgt Ion:	43	Resp:	208920
Ion	Ratio	Lower	Upper
43	100		
61	29.2	25.0	37.6
87	15.2	13.0	19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#44

Trichloroethene

Concen: 46.260 ug/l

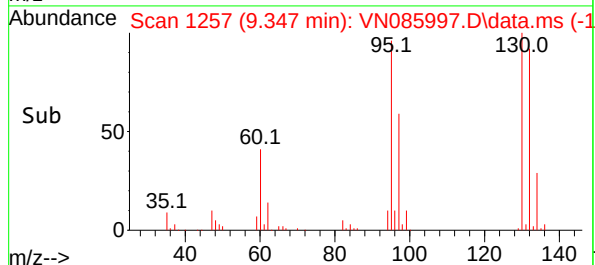
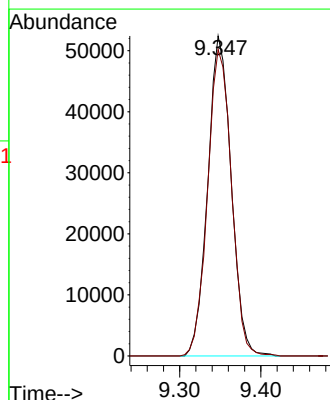
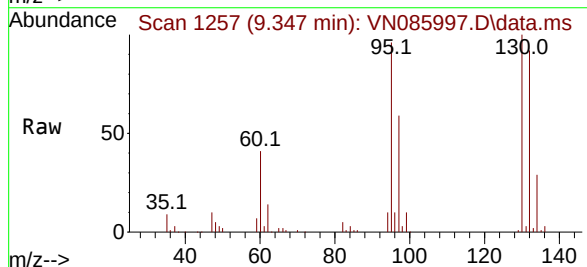
RT: 9.347 min Scan# 1257

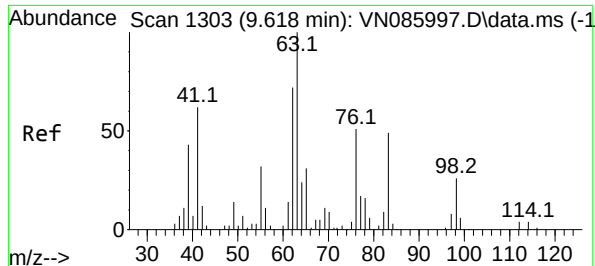
Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Tgt Ion:	130	Resp:	105089
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	191.6





#45

1,2-Dichloropropane

Concen: 48.856 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 97398

Ion Ratio Lower Upper

63 100

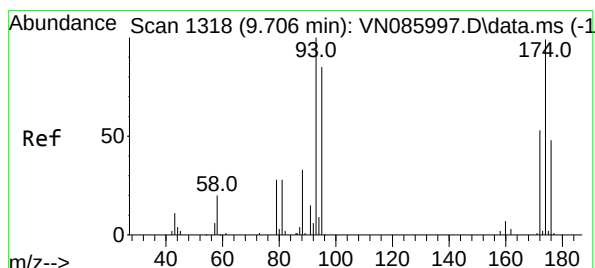
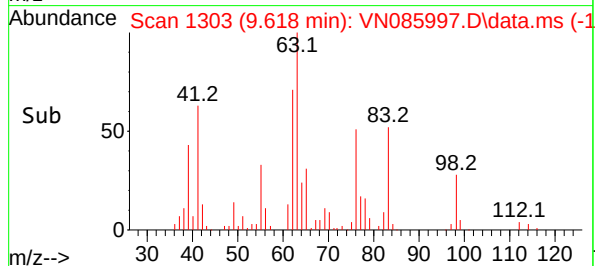
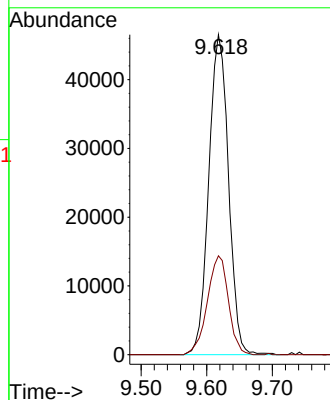
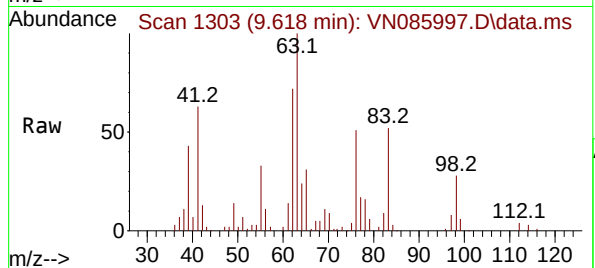
65 30.9 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#46

Dibromomethane

Concen: 47.036 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

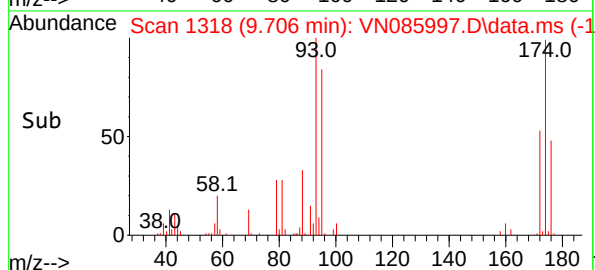
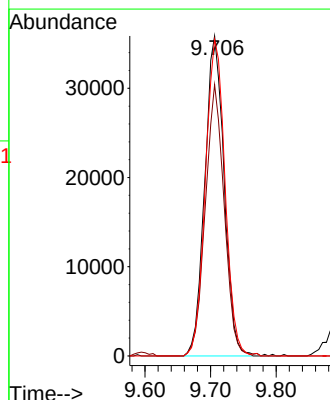
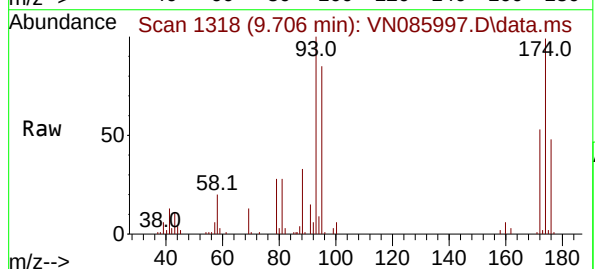
Tgt Ion: 93 Resp: 73743

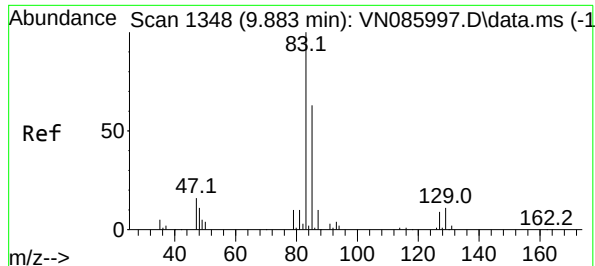
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.2

174 100.1 80.1 120.1





#47

Bromodichloromethane

Concen: 47.887 ug/l

RT: 9.883 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 156908

Ion Ratio Lower Upper

83 100

85 62.7 50.2 75.2

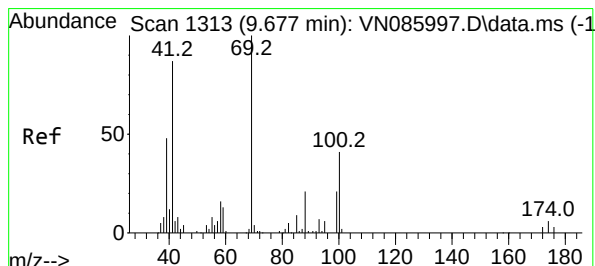
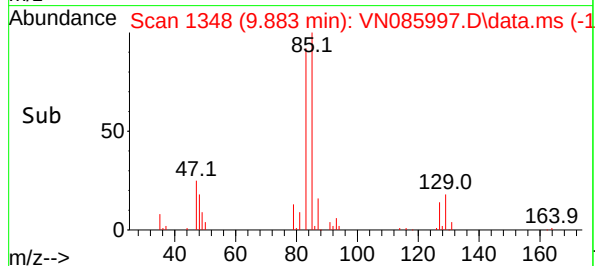
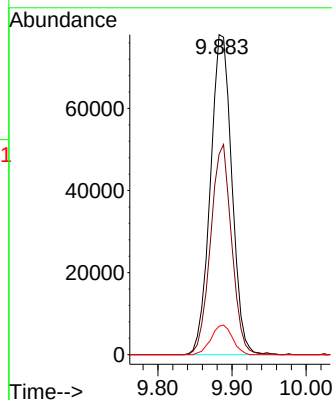
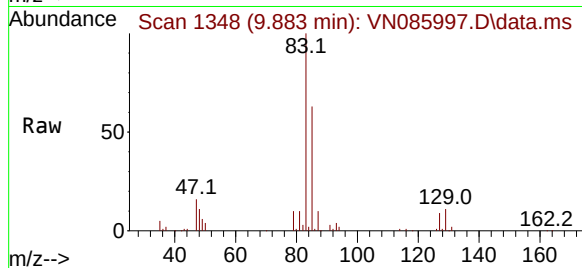
127 8.9 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#48

Methyl methacrylate

Concen: 52.192 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

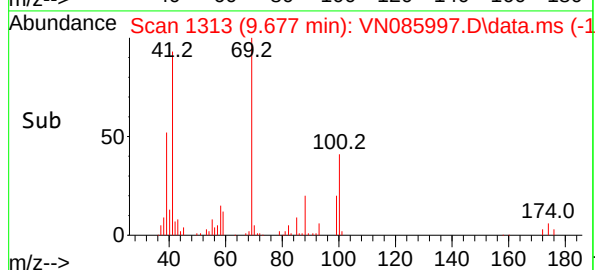
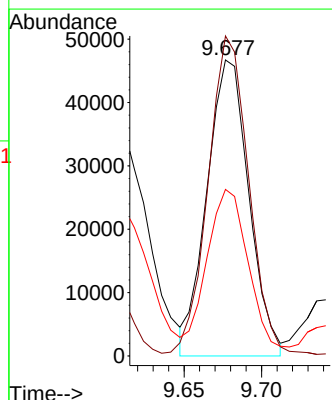
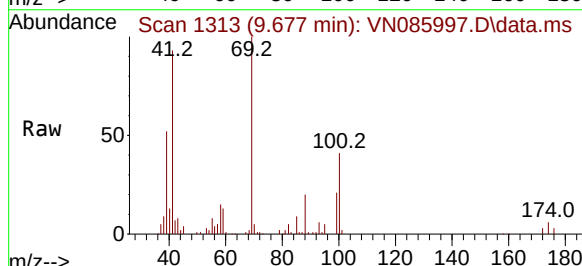
Tgt Ion: 41 Resp: 87911

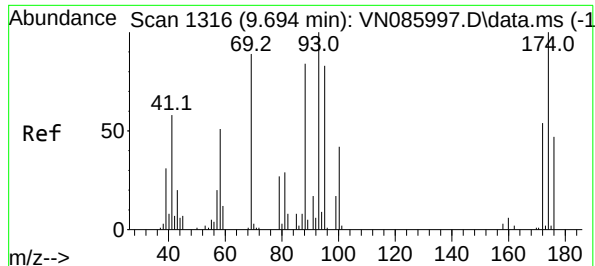
Ion Ratio Lower Upper

41 100

69 103.9 83.1 124.7

39 57.0 45.6 68.4





#49

1,4-Dioxane

Concen: 1050.235 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 41818

Ion Ratio Lower Upper

88 100

43 27.1 21.7 32.5

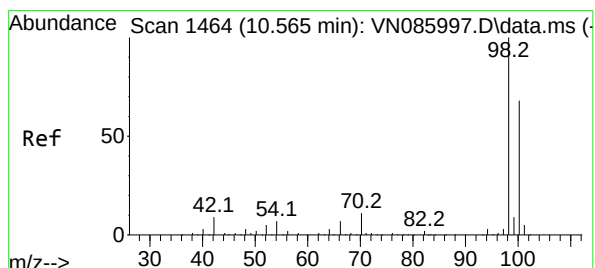
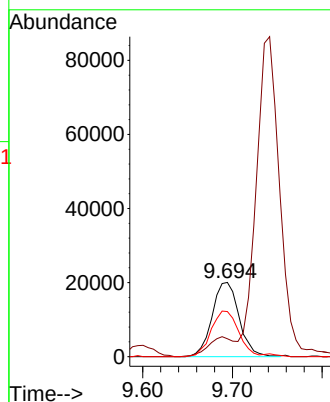
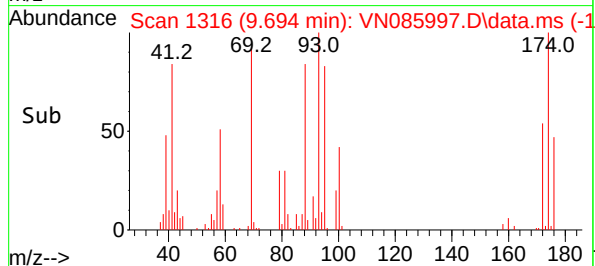
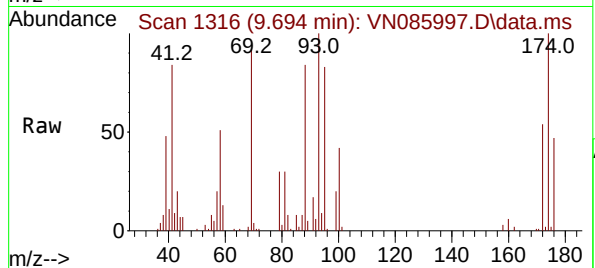
58 63.0 50.4 75.6

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#50

Toluene-d8

Concen: 49.972 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085997.D

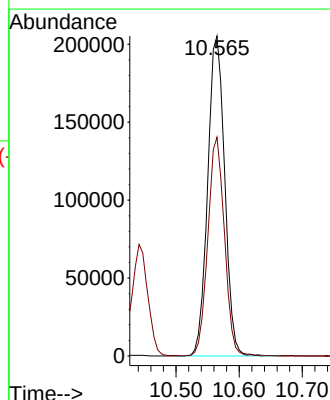
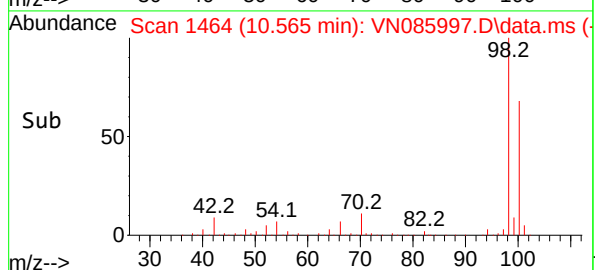
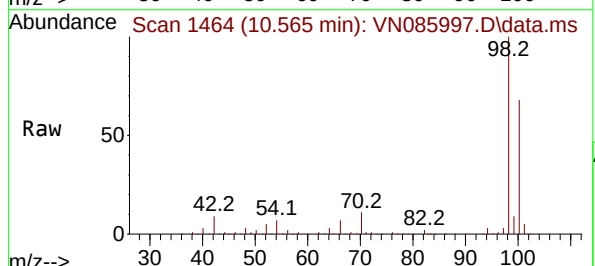
Acq: 18 Mar 2025 12:08

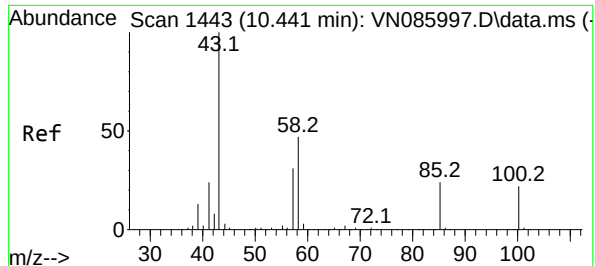
Tgt Ion: 98 Resp: 384569

Ion Ratio Lower Upper

98 100

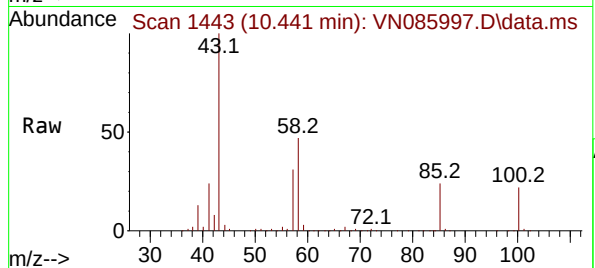
100 66.4 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 259.501 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

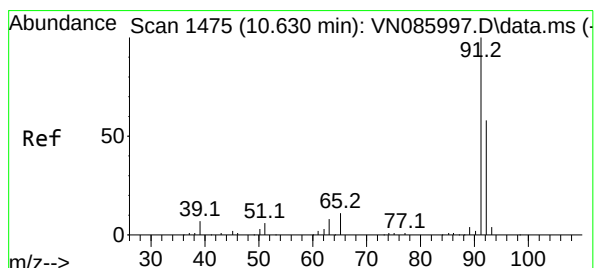
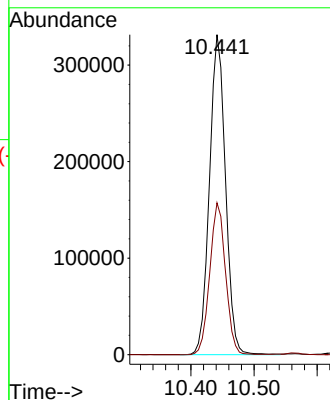
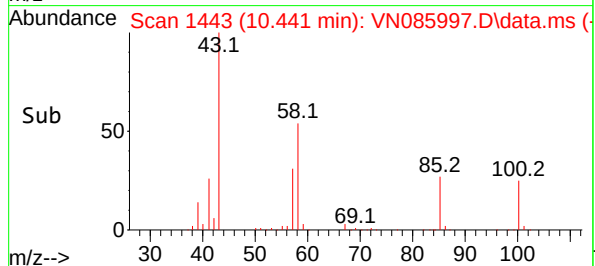
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 58416
Ion Ratio Lower Upper
43 100
58 46.7 37.4 56.0

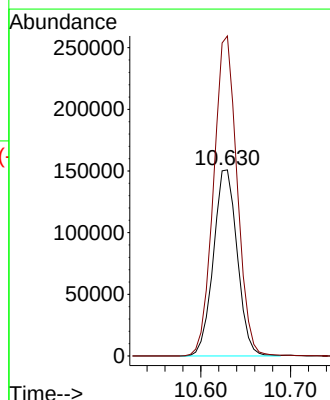
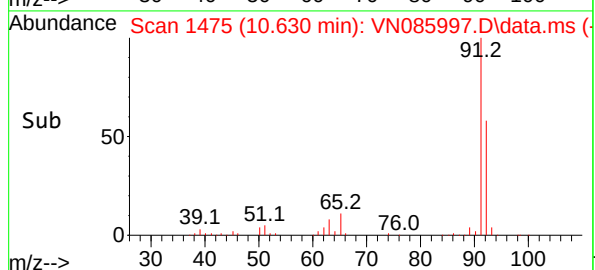
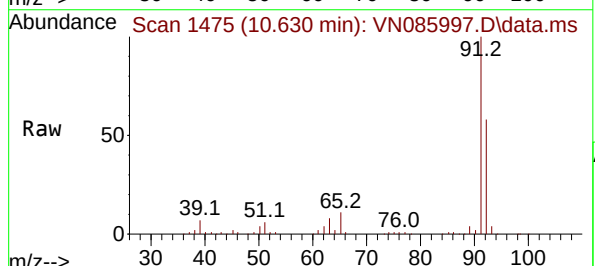
Manual Integrations
APPROVED

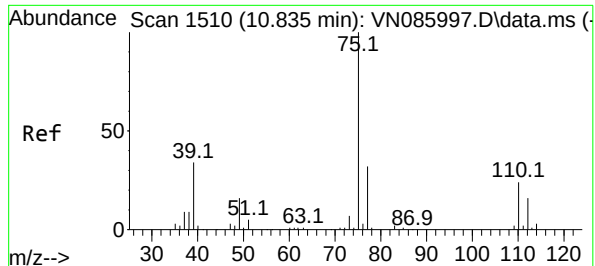
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#52
Toluene
Concen: 51.661 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

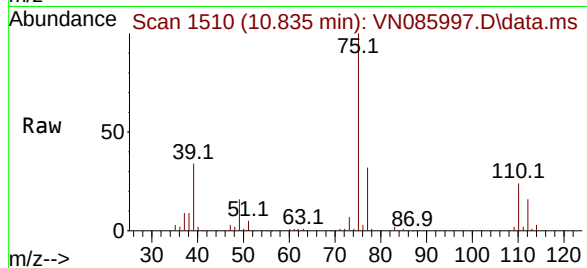
Tgt Ion: 92 Resp: 277914
Ion Ratio Lower Upper
92 100
91 170.3 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 51.430 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

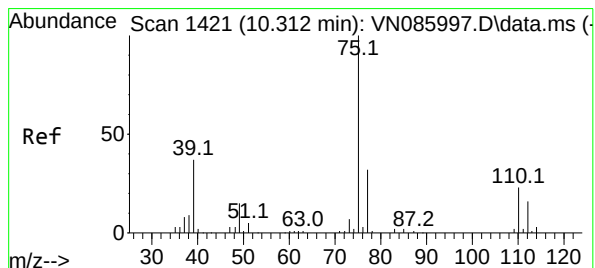
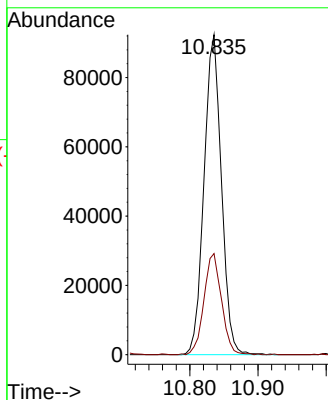
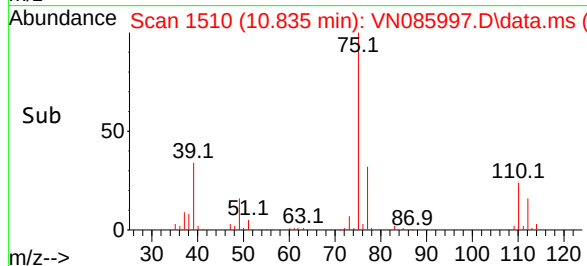
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 163659
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9

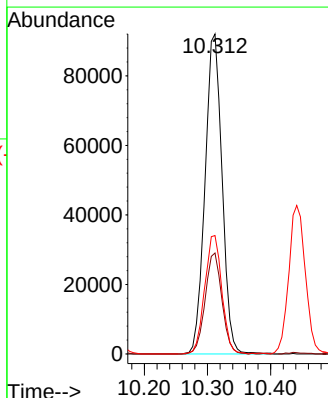
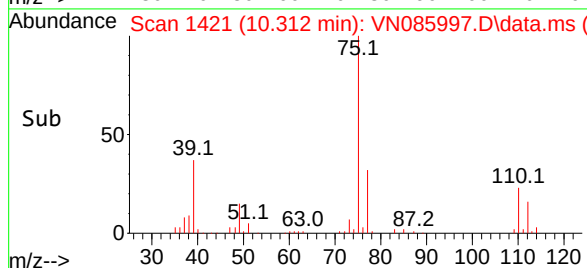
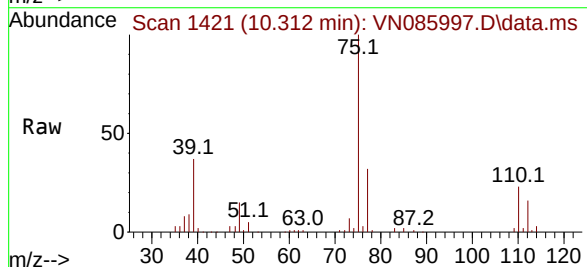
Manual Integrations
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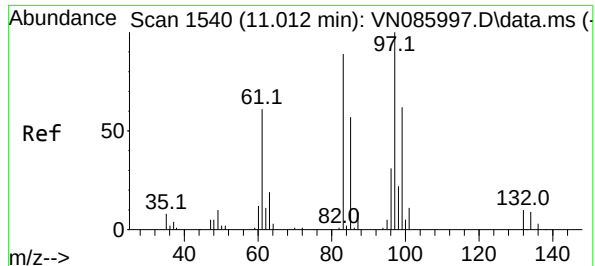
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#54
cis-1,3-Dichloropropene
Concen: 51.366 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 75 Resp: 172456
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 37.0 29.6 44.4





#55

1,1,2-Trichloroethane

Concen: 48.343 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 99259

Ion Ratio Lower Upper

97 100

83 89.0 71.2 106.8

85 56.7 45.4 68.0

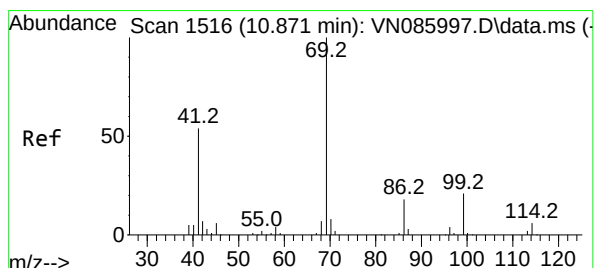
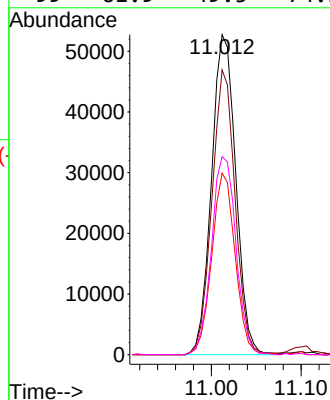
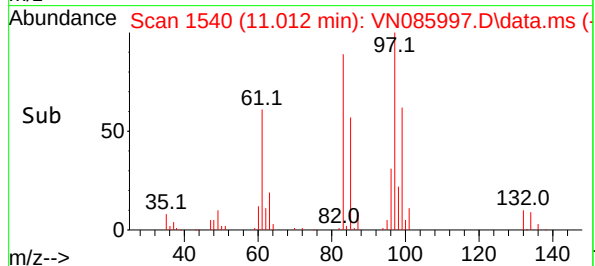
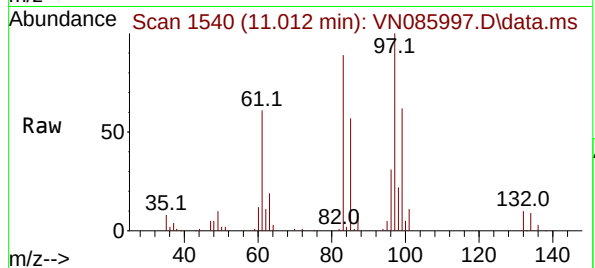
99 61.9 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#56

Ethyl methacrylate

Concen: 49.943 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

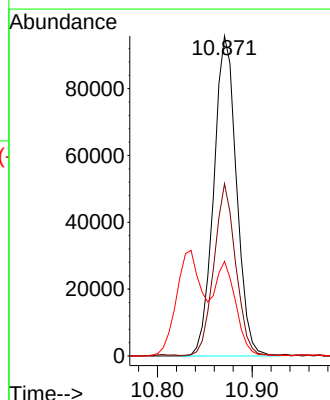
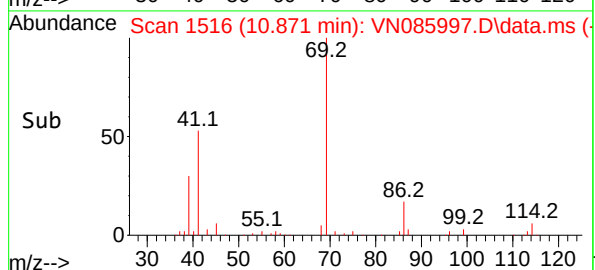
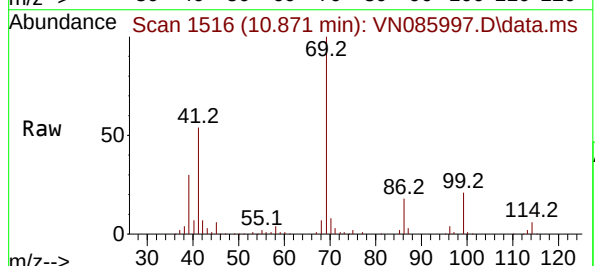
Tgt Ion: 69 Resp: 159926

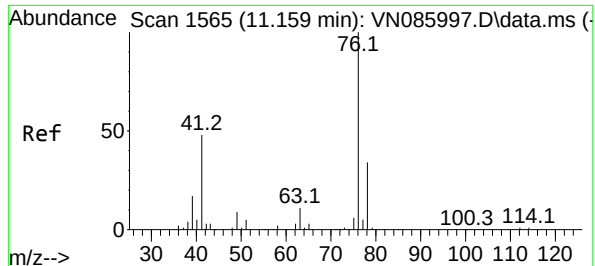
Ion Ratio Lower Upper

69 100

41 52.0 41.6 62.4

39 27.3 21.8 32.8





#57

1,3-Dichloropropane

Concen: 49.385 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 172224

Ion Ratio Lower Upper

76 100

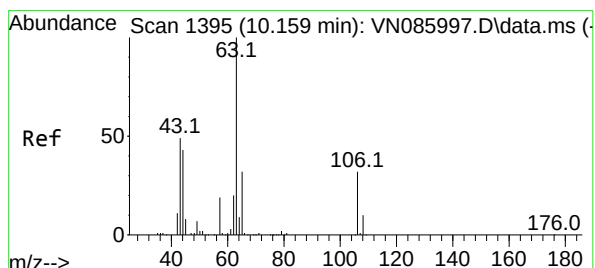
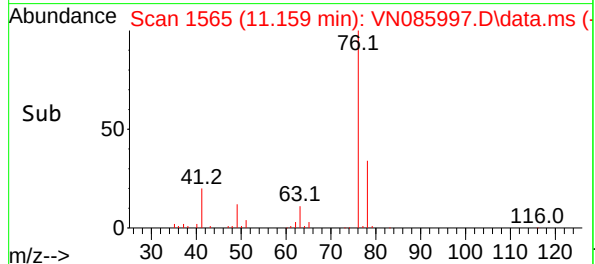
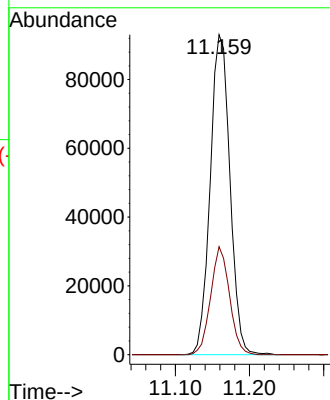
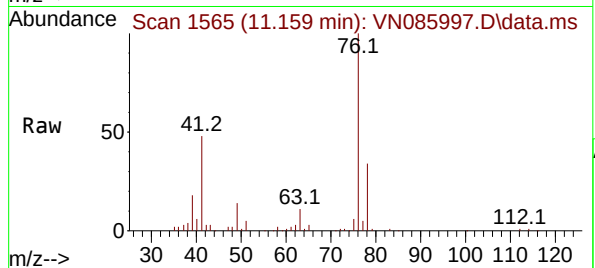
78 32.2 25.8 38.6

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 261.262 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN085997.D

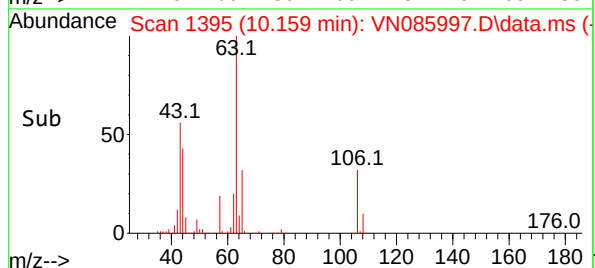
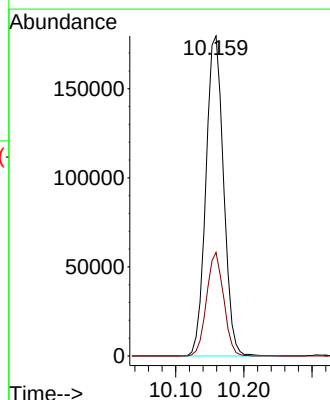
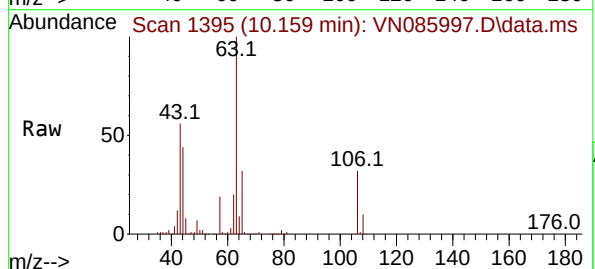
Acq: 18 Mar 2025 12:08

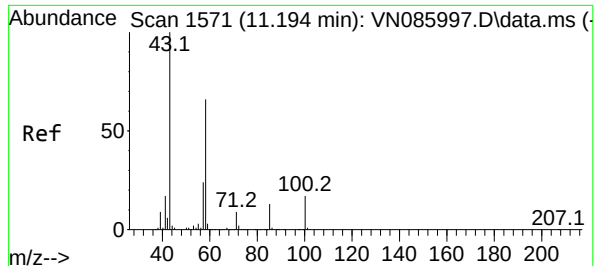
Tgt Ion: 63 Resp: 323306

Ion Ratio Lower Upper

63 100

106 31.3 25.0 37.6





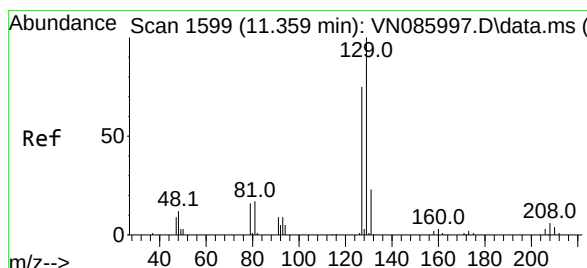
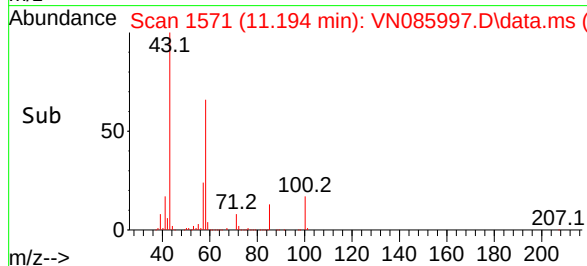
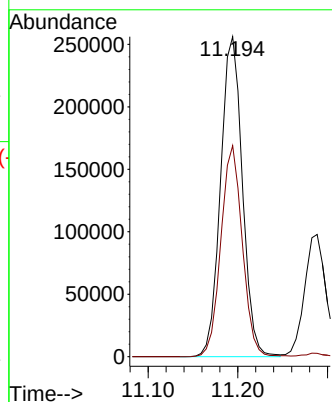
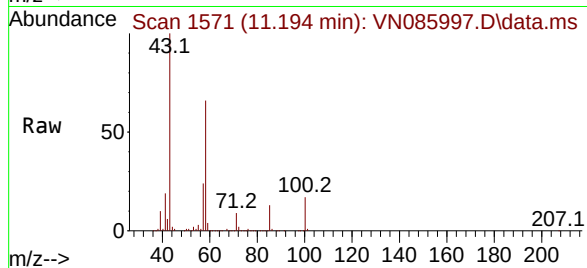
#59
2-Hexanone
Concen: 263.380 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 43192
Ion Ratio Lower Upper
43 100
58 64.8 32.4 97.2

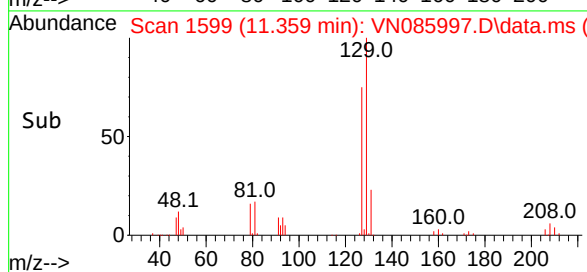
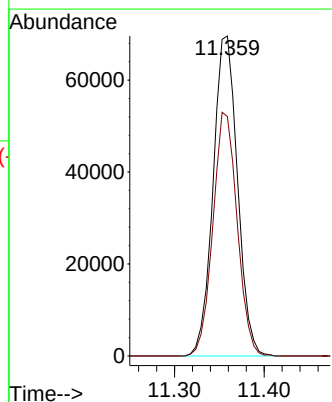
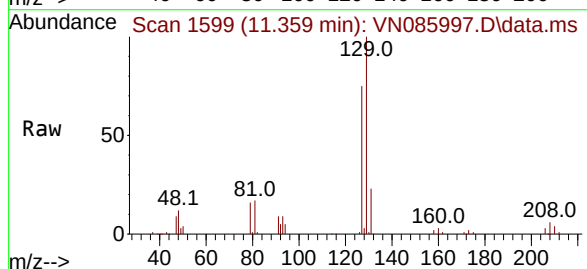
Manual Integrations
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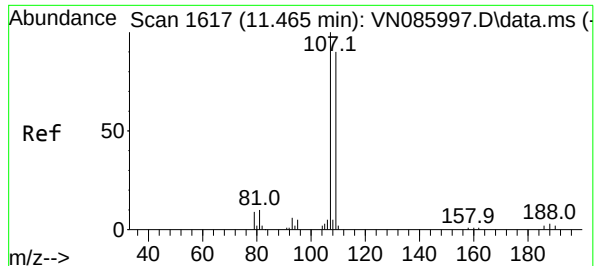
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#60
Dibromochloromethane
Concen: 49.558 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion:129 Resp: 131303
Ion Ratio Lower Upper
129 100
127 75.6 37.8 113.4





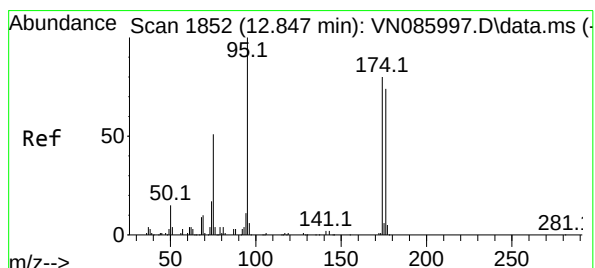
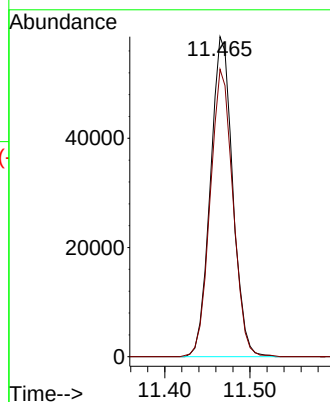
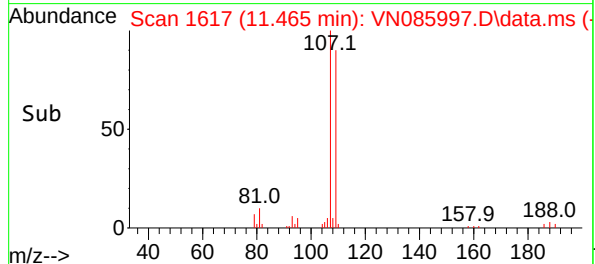
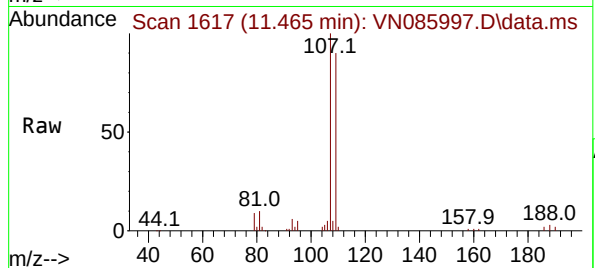
#61
1,2-Dibromoethane
Concen: 50.543 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 106539
Ion Ratio Lower Upper
107 100
109 91.6 73.3 109.9

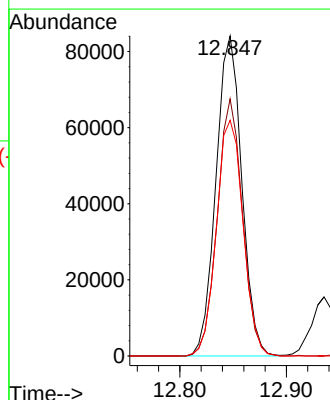
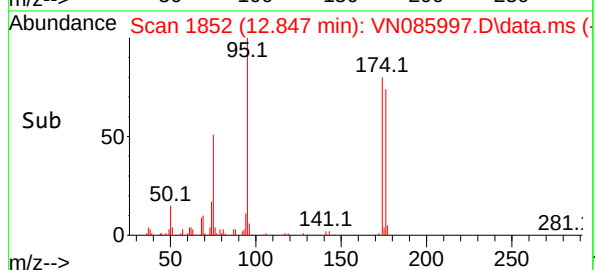
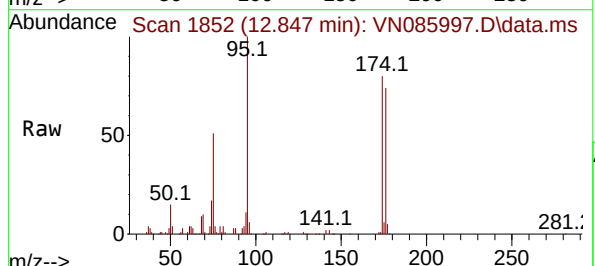
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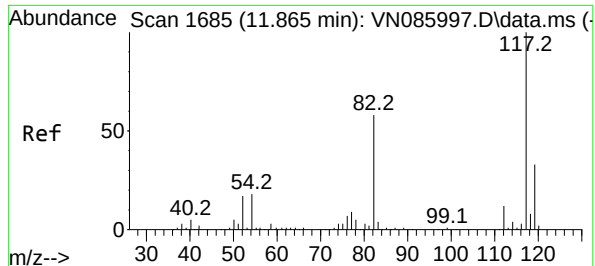
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#62
4-Bromofluorobenzene
Concen: 51.544 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

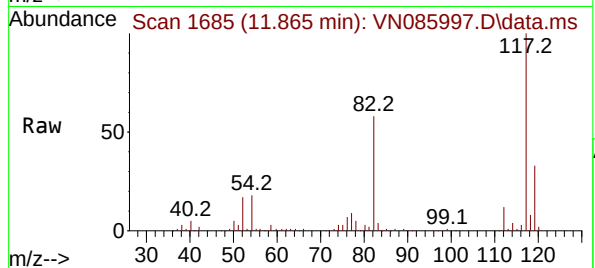
Tgt Ion: 95 Resp: 141464
Ion Ratio Lower Upper
95 100
174 78.4 0.0 156.8
176 76.1 0.0 152.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

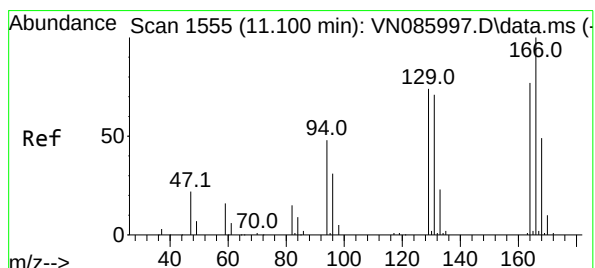
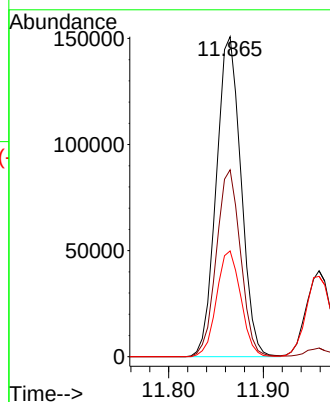
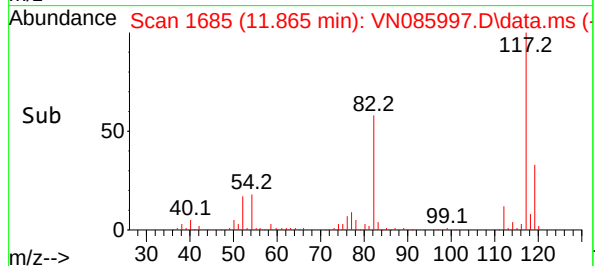
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:117 Resp: 27351
Ion Ratio Lower Upper
117 100
82 58.4 46.7 70.1
119 33.1 26.5 39.7

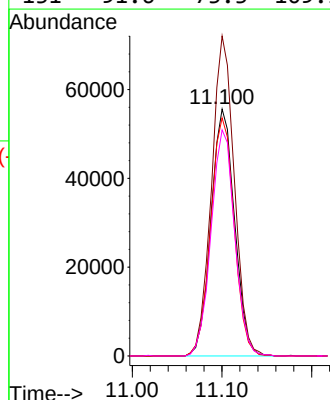
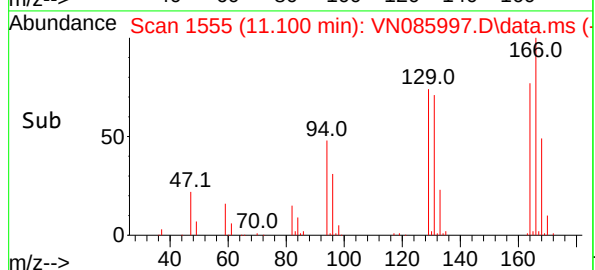
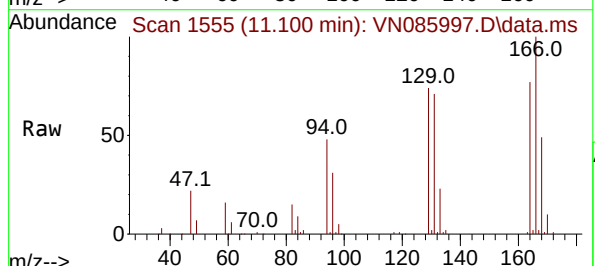
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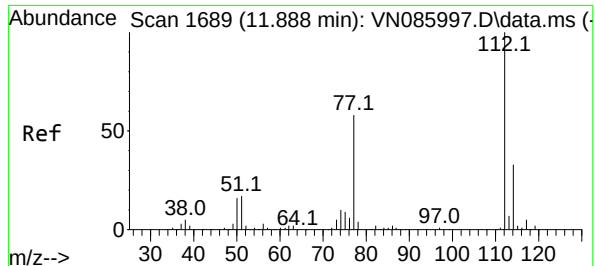
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#64
Tetrachloroethene
Concen: 46.478 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

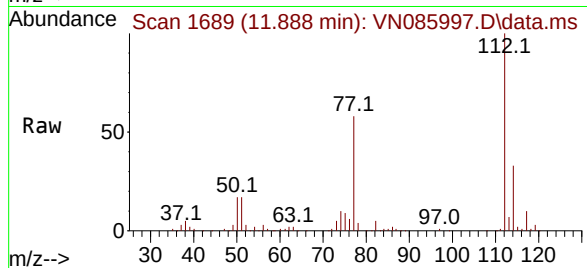
Tgt Ion:164 Resp: 101407
Ion Ratio Lower Upper
164 100
166 129.6 103.7 155.5
129 96.4 77.1 115.7
131 91.6 73.3 109.9





#65
Chlorobenzene
Concen: 47.424 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

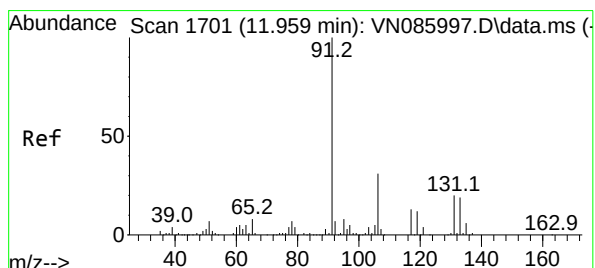
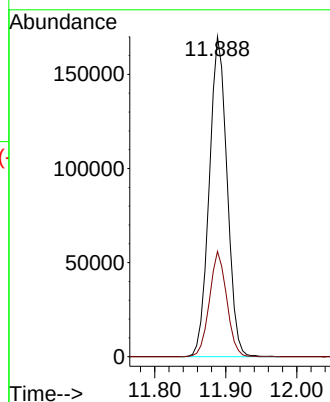
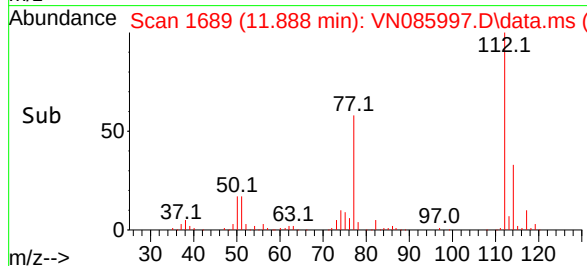
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:112 Resp: 29681
Ion Ratio Lower Upper
112 100
114 32.9 26.3 39.5

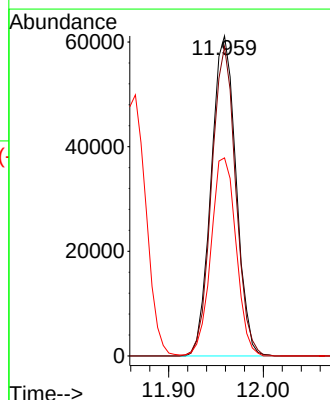
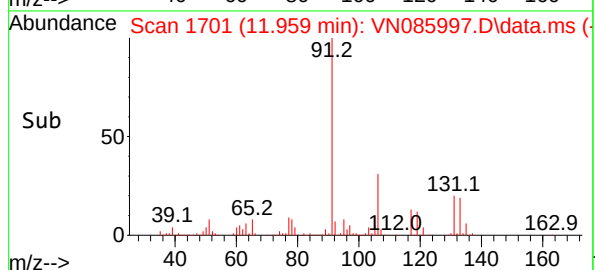
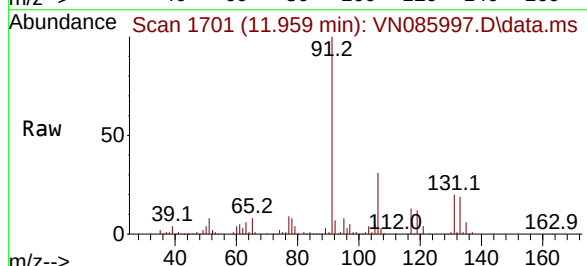
Manual Integrations
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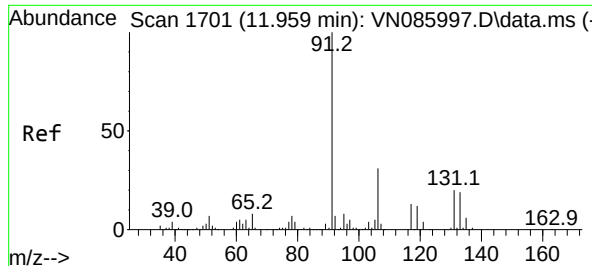
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 47.853 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion:131 Resp: 111333
Ion Ratio Lower Upper
131 100
133 94.0 47.0 141.0
119 62.7 31.4 94.0





#67

Ethyl Benzene

Concen: 52.405 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 52465

Ion Ratio Lower Upper

91 100

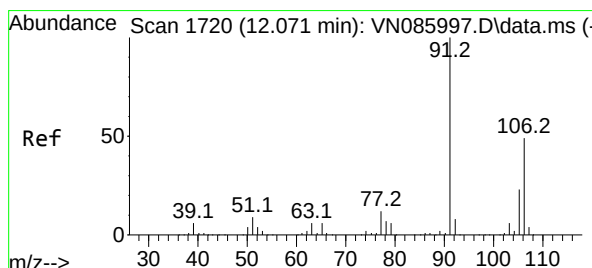
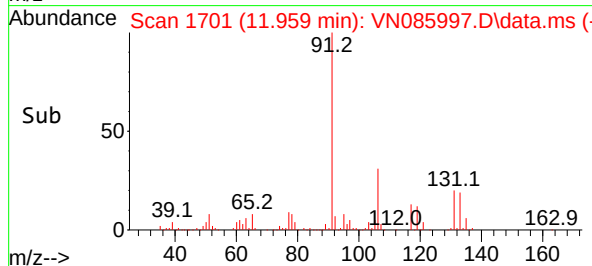
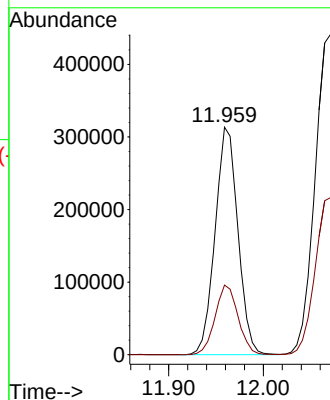
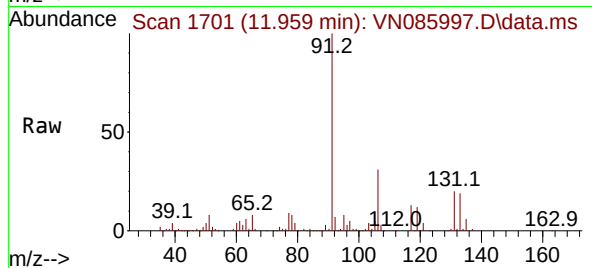
106 30.6 24.5 36.7

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#68

m/p-Xylenes

Concen: 105.075 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN085997.D

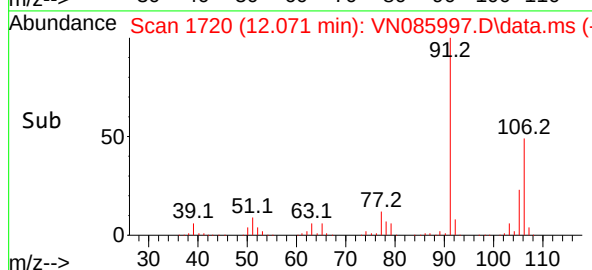
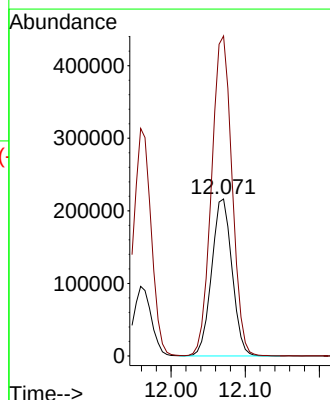
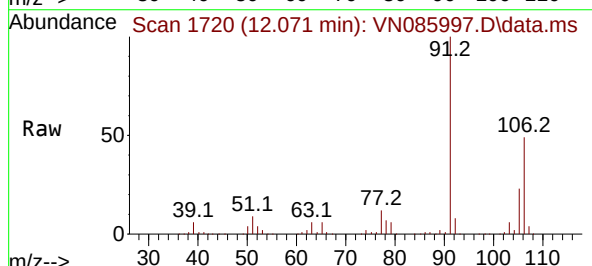
Acq: 18 Mar 2025 12:08

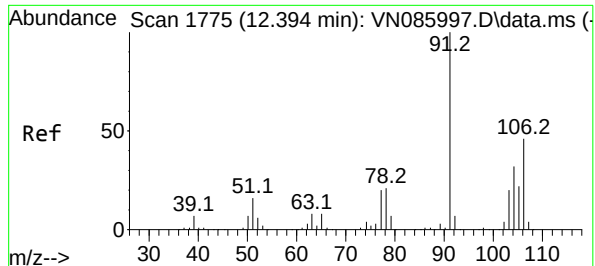
Tgt Ion:106 Resp: 413470

Ion Ratio Lower Upper

106 100

91 204.9 163.9 245.9





#69

o-Xylene

Concen: 54.023 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 195107

Ion Ratio Lower Upper

106 100

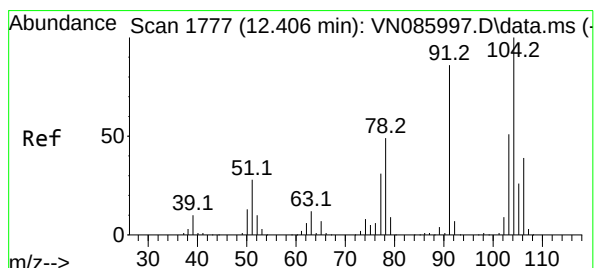
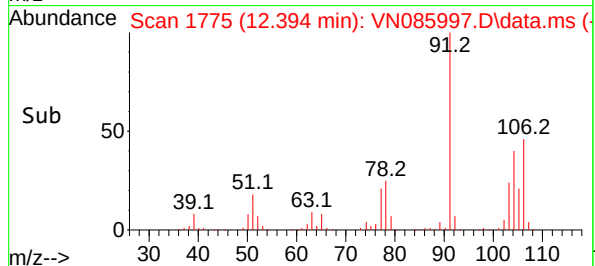
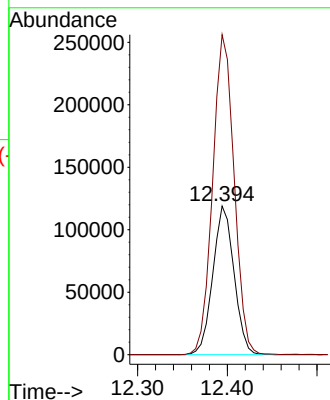
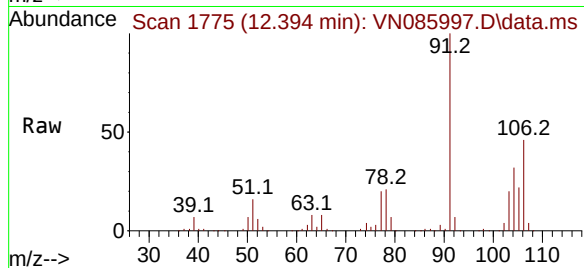
91 218.1 109.1 327.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#70

Styrene

Concen: 54.070 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

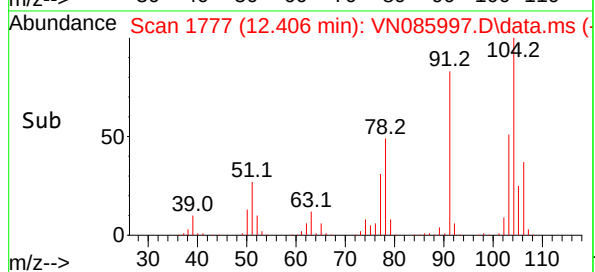
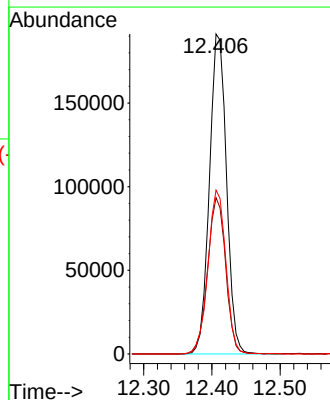
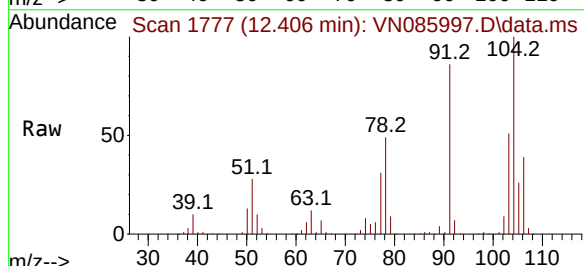
Tgt Ion:104 Resp: 333544

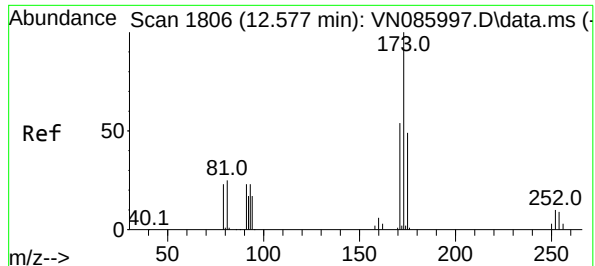
Ion Ratio Lower Upper

104 100

78 51.8 41.4 62.2

103 53.6 42.9 64.3





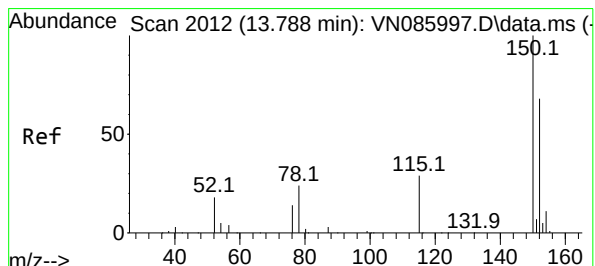
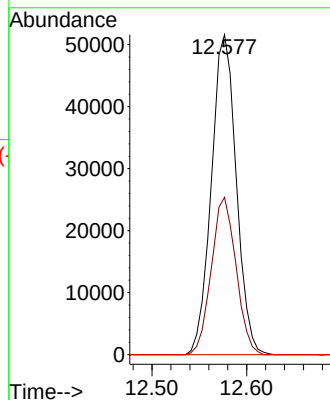
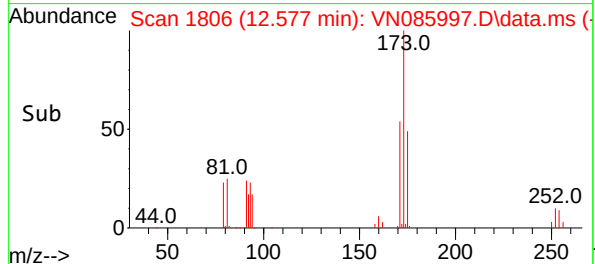
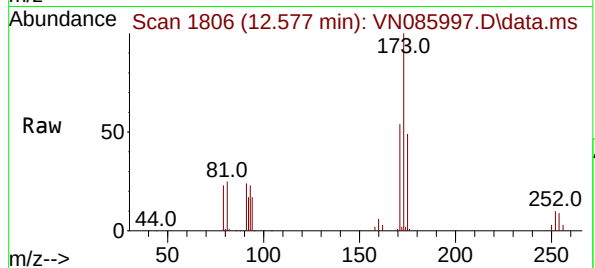
#71
Bromoform
Concen: 48.469 ug/l
RT: 12.577 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 94268
Ion Ratio Lower Upper
173 100
175 48.7 24.3 73.0
254 0.0 0.0 0.0

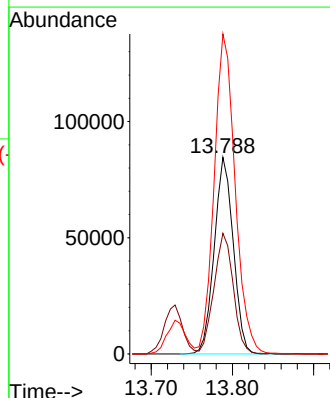
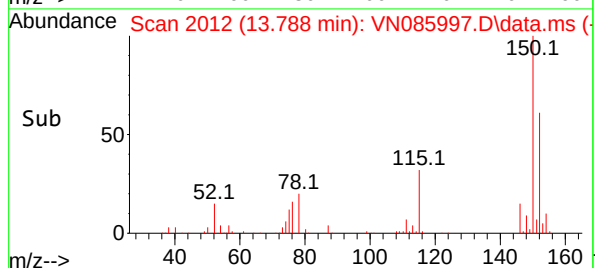
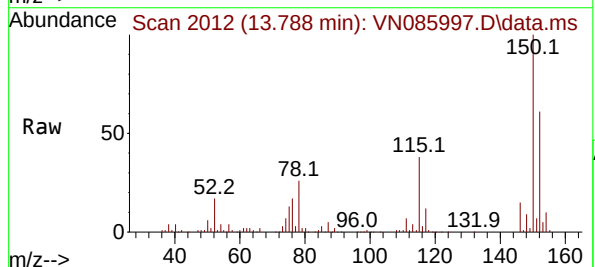
Manual Integrations
APPROVED

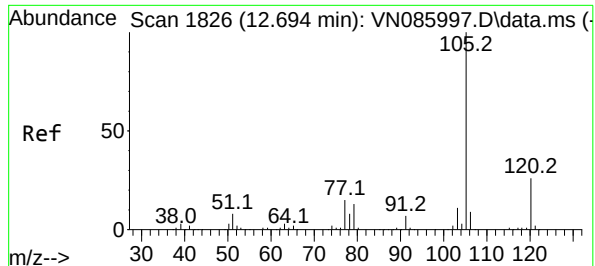
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion:152 Resp: 137905
Ion Ratio Lower Upper
152 100
115 62.1 31.1 93.2
150 179.8 0.0 359.6





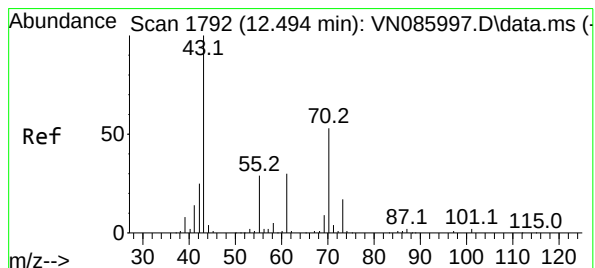
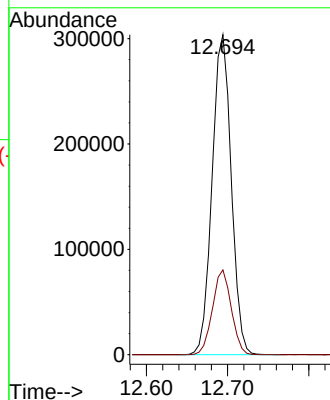
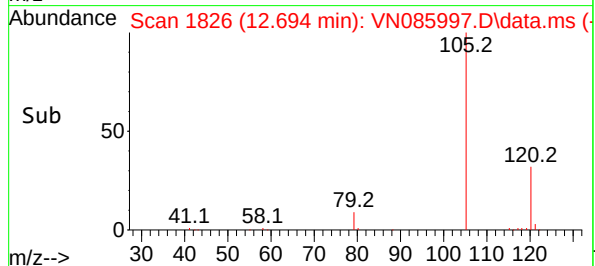
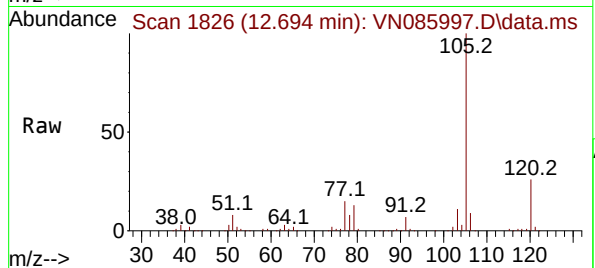
#73
Isopropylbenzene
Concen: 52.708 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 496368
Ion Ratio Lower Upper
105 100
120 26.0 13.0 39.0

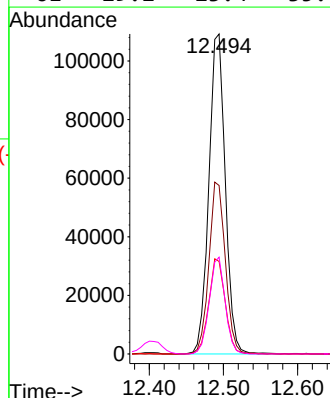
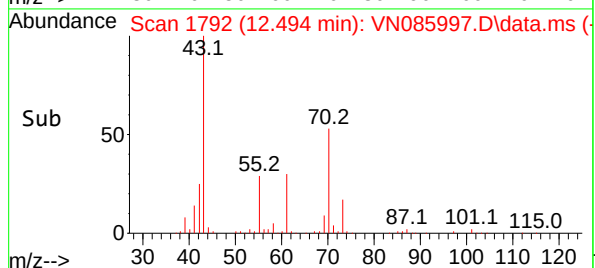
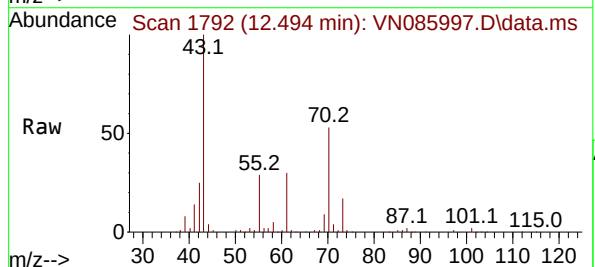
Manual Integrations
APPROVED

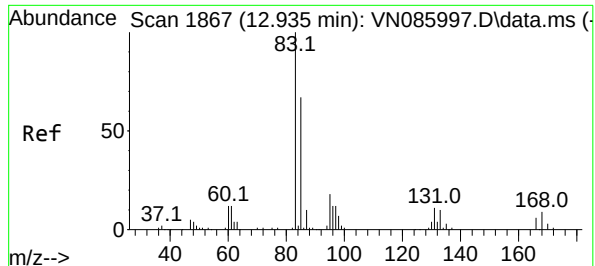
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#74
N-ethyl acetate
Concen: 53.384 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

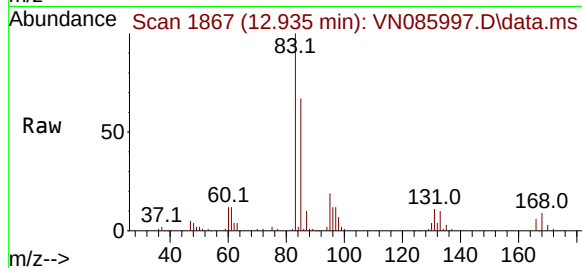
Tgt Ion: 43 Resp: 168199
Ion Ratio Lower Upper
43 100
70 53.7 43.0 64.4
55 29.8 23.8 35.8
61 29.2 23.4 35.0





#75
1,1,2,2-Tetrachloroethane
Concen: 45.522 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

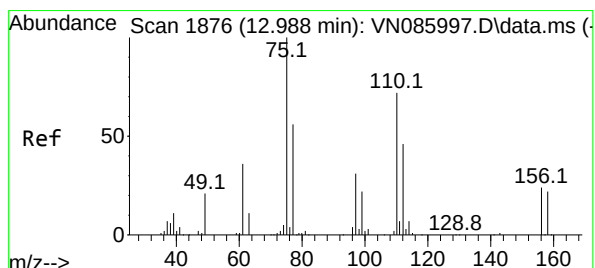
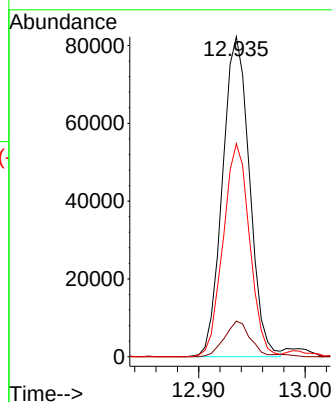
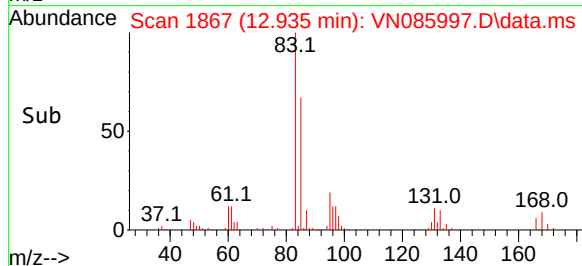
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 83 Resp: 145034
Ion Ratio Lower Upper
83 100
131 11.0 5.5 16.5
85 65.2 32.6 97.8

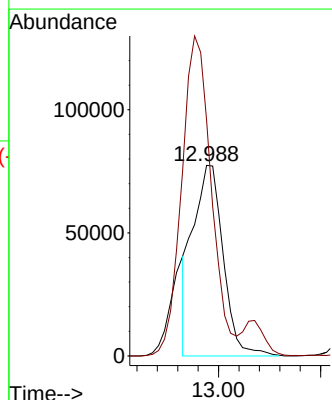
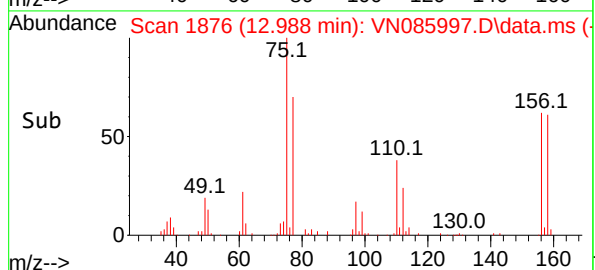
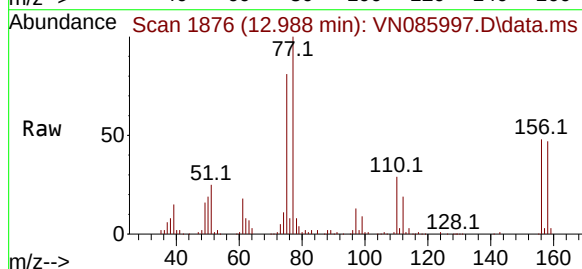
Manual Integrations
APPROVED

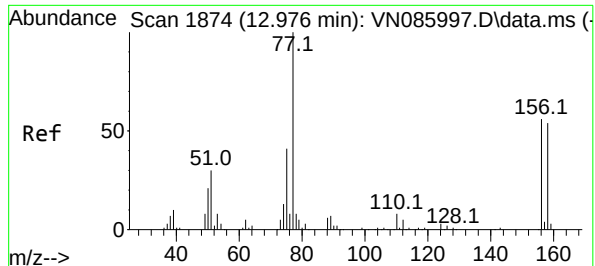
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#76
1,2,3-Trichloropropane
Concen: 50.737 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

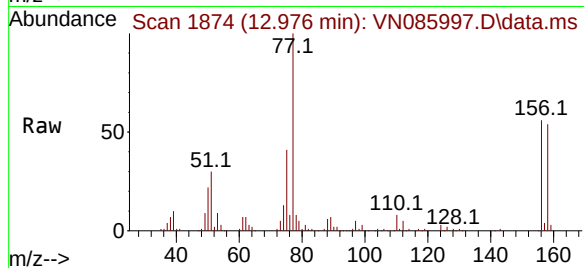
Tgt Ion: 75 Resp: 159517
Ion Ratio Lower Upper
75 100
77 163.7 83.7 251.0





#77
Bromobenzene
Concen: 47.769 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

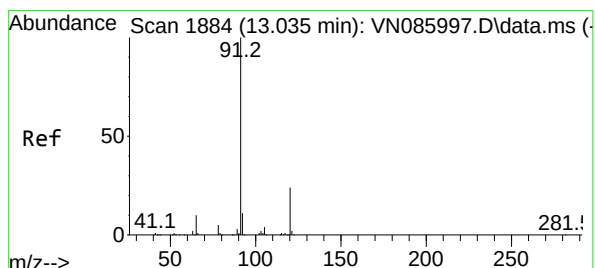
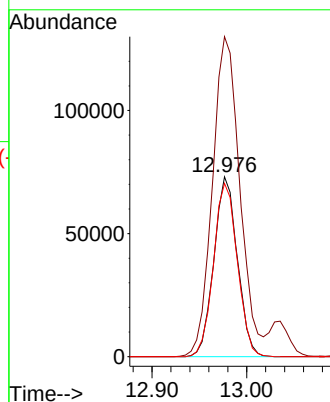
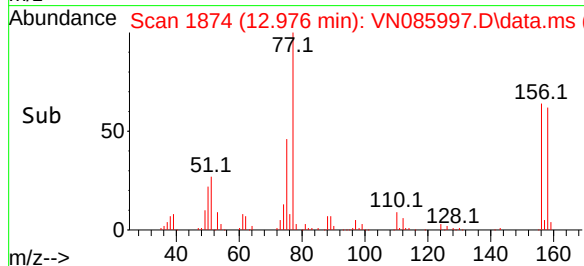
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:156 Resp: 125430
Ion Ratio Lower Upper
156 100
77 208.2 104.1 312.3
158 98.0 49.0 147.0

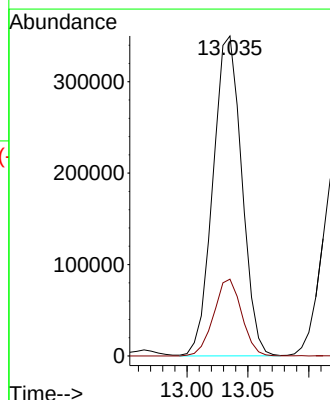
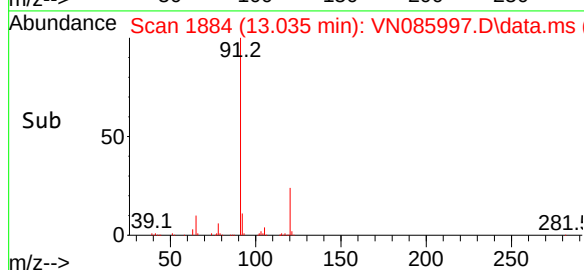
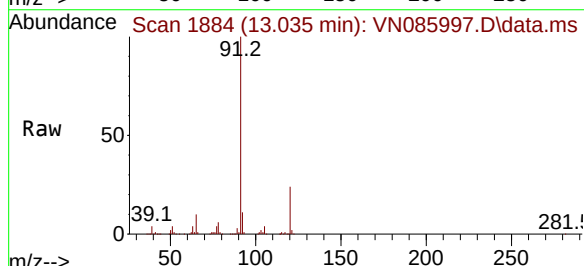
Manual Integrations
APPROVED

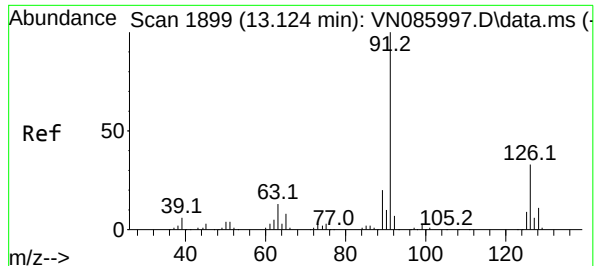
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#78
n-propylbenzene
Concen: 54.089 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion: 91 Resp: 576797
Ion Ratio Lower Upper
91 100
120 23.3 11.7 35.0





#79

2-Chlorotoluene

Concen: 51.012 ug/l

RT: 13.124 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 361320

Ion Ratio Lower Upper

91 100

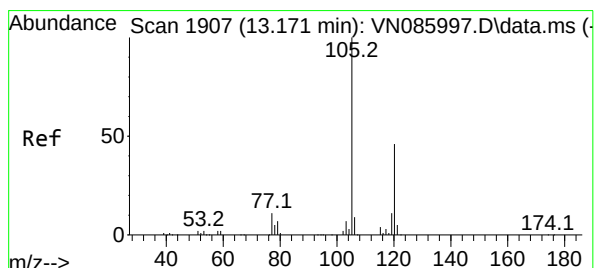
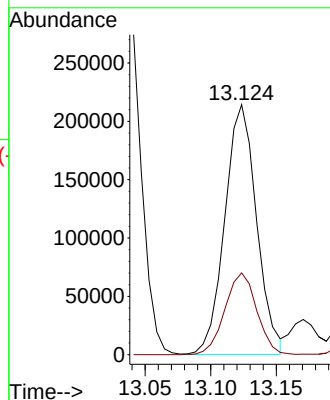
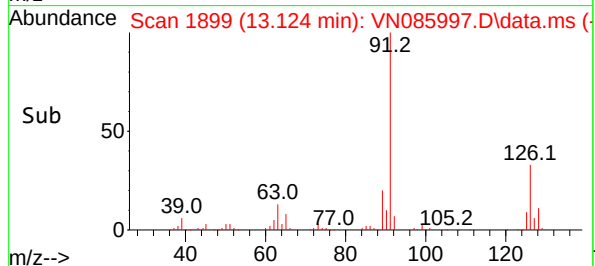
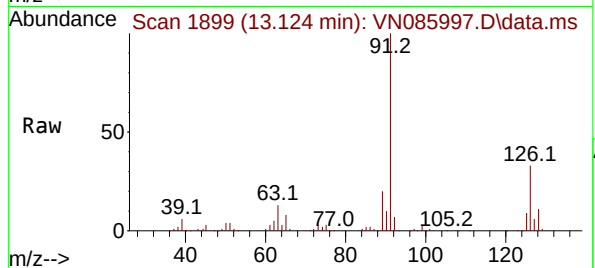
126 32.8 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 54.088 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN085997.D

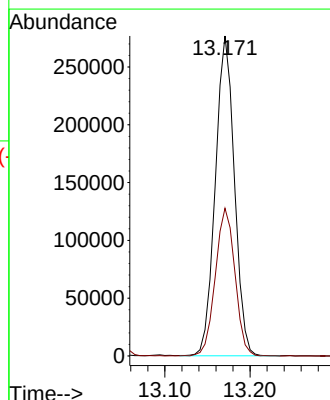
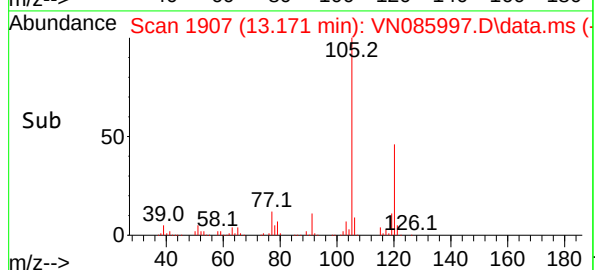
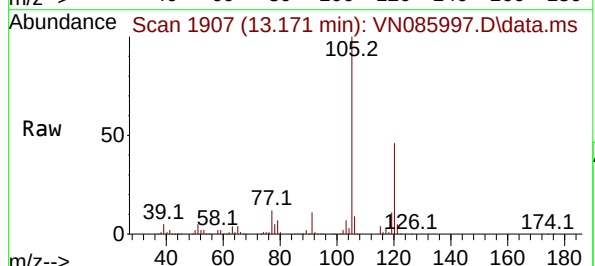
Acq: 18 Mar 2025 12:08

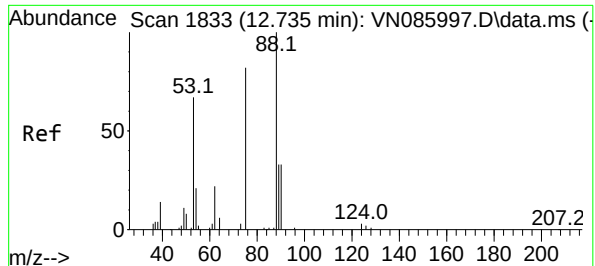
Tgt Ion:105 Resp: 430051

Ion Ratio Lower Upper

105 100

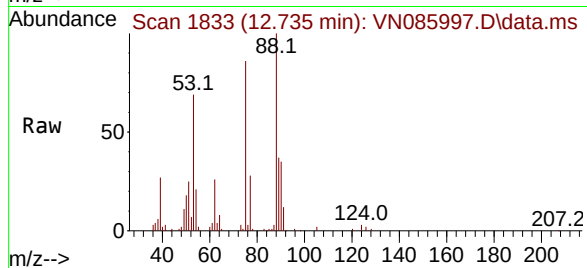
120 47.4 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 48.881 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

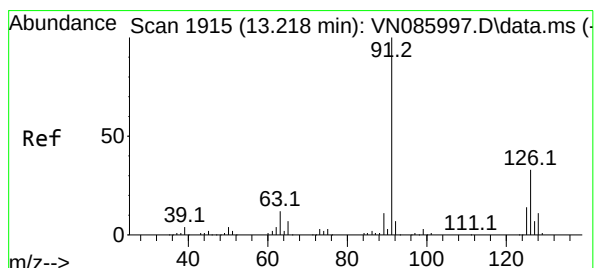
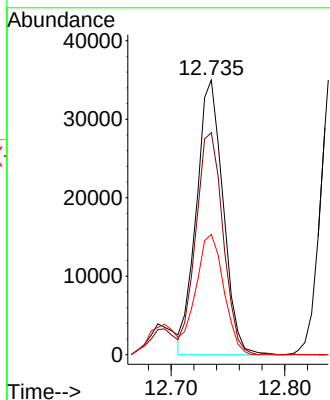
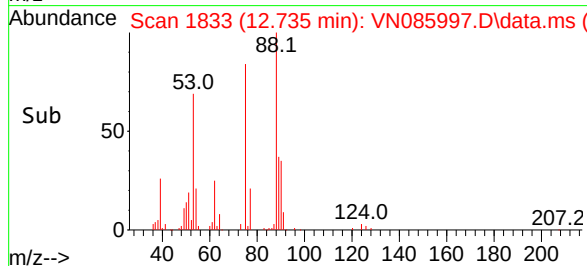
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion: 75 Resp: 57082
Ion Ratio Lower Upper
75 100
53 82.5 66.0 99.0
89 46.1 36.9 55.3

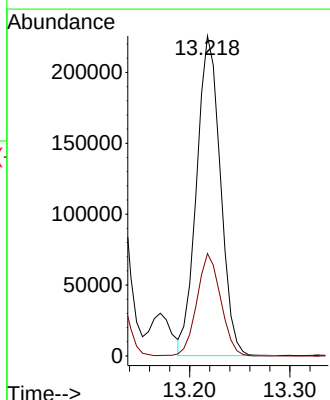
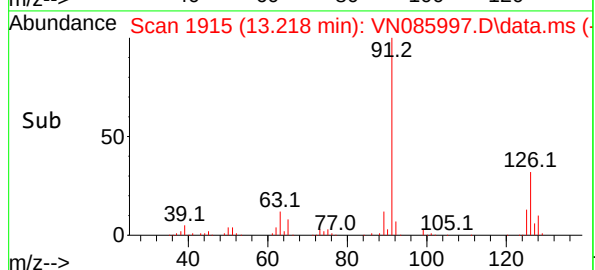
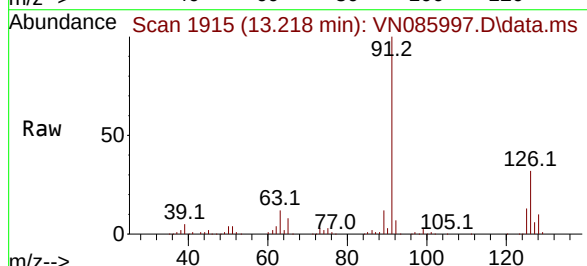
Manual Integrations
APPROVED

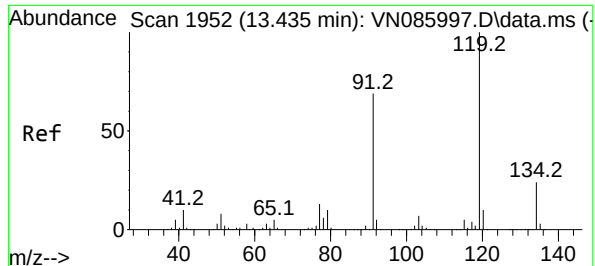
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#82
4-Chlorotoluene
Concen: 51.036 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

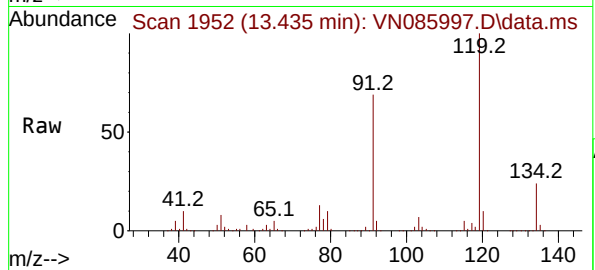
Tgt Ion: 91 Resp: 371739
Ion Ratio Lower Upper
91 100
126 32.1 16.1 48.2





#83
tert-Butylbenzene
Concen: 51.660 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

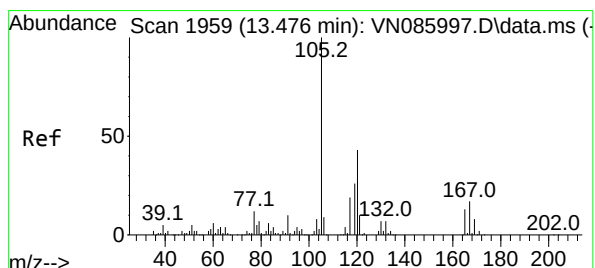
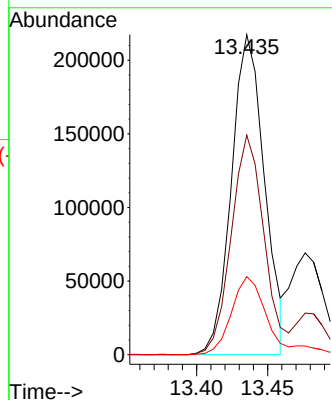
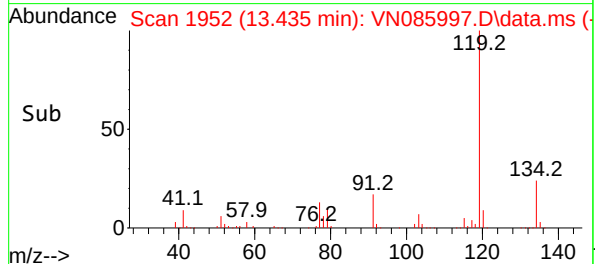
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:119 Resp: 351299
Ion Ratio Lower Upper
119 100
91 68.6 34.3 102.9
134 27.0 13.5 40.5

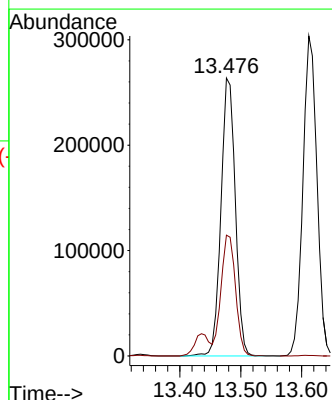
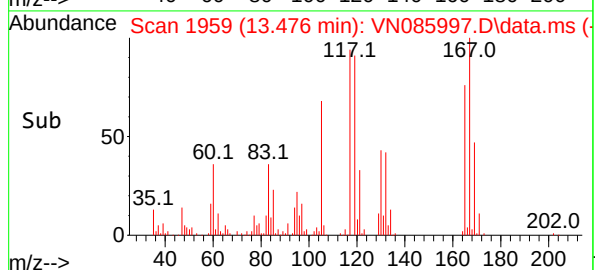
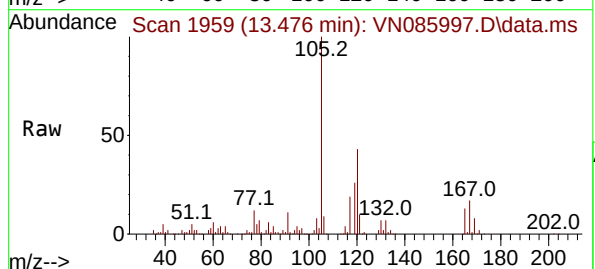
Manual Integrations
APPROVED

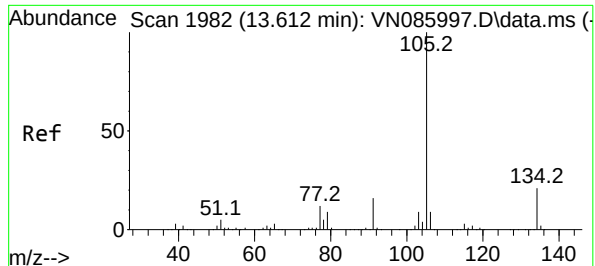
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#84
1,2,4-Trimethylbenzene
Concen: 53.825 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion:105 Resp: 431645
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.8





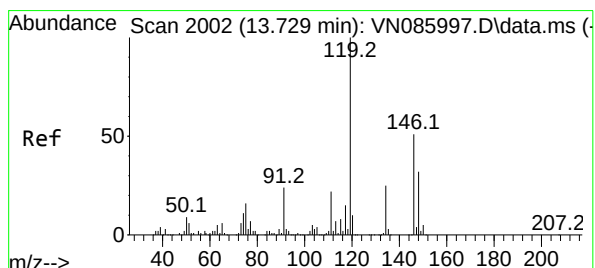
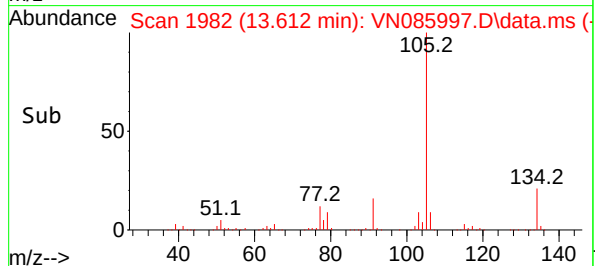
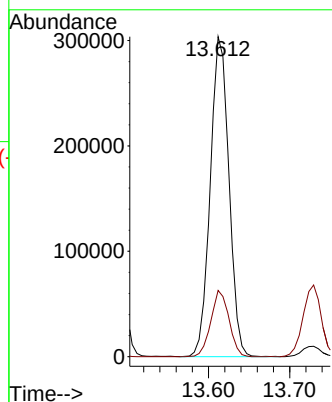
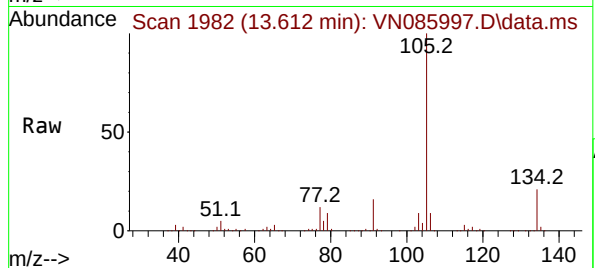
#85
sec-Butylbenzene
Concen: 54.622 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 48455
Ion Ratio Lower Upper
105 100
134 20.1 10.1 30.1

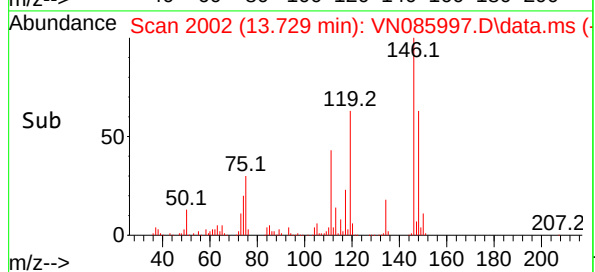
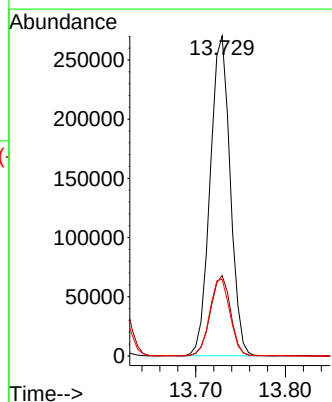
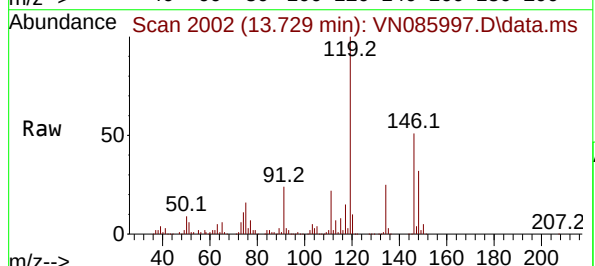
Manual Integrations
APPROVED

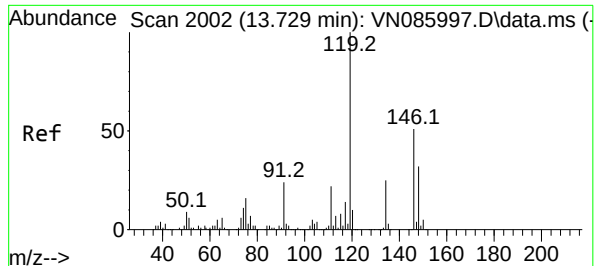
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#86
p-Isopropyltoluene
Concen: 55.774 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion:119 Resp: 418830
Ion Ratio Lower Upper
119 100
134 25.2 12.6 37.8
91 24.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 49.090 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 23235

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

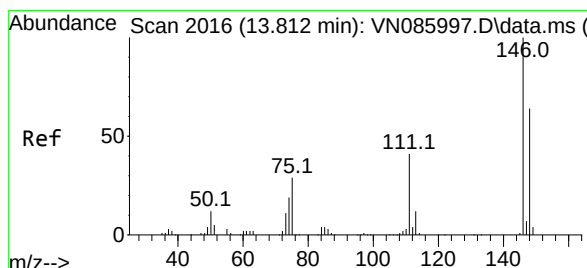
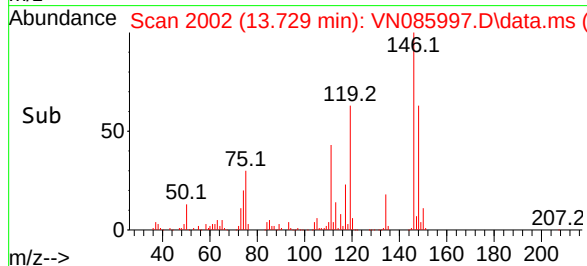
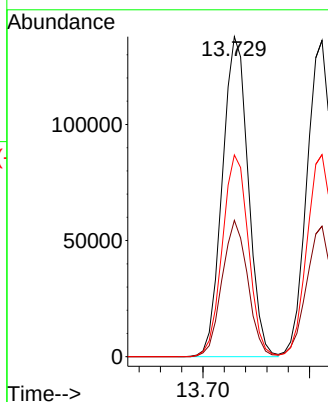
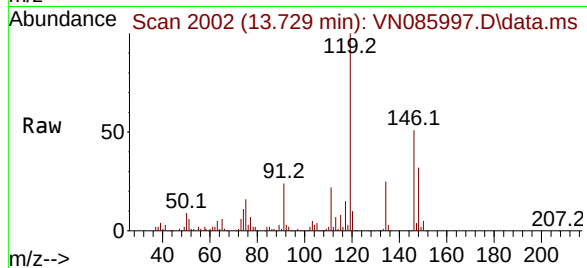
148 63.6 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#88

1,4-Dichlorobenzene

Concen: 46.213 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

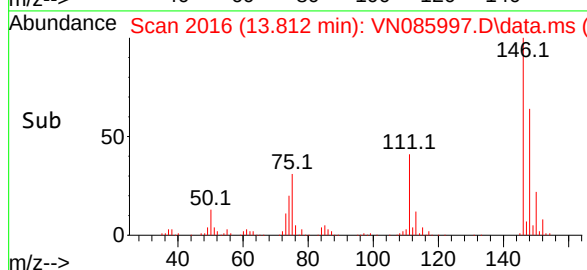
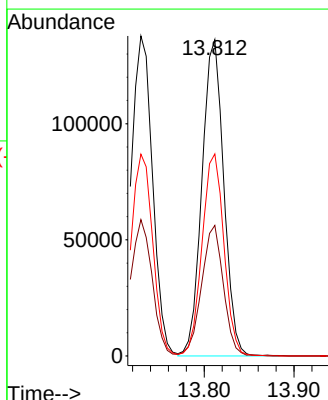
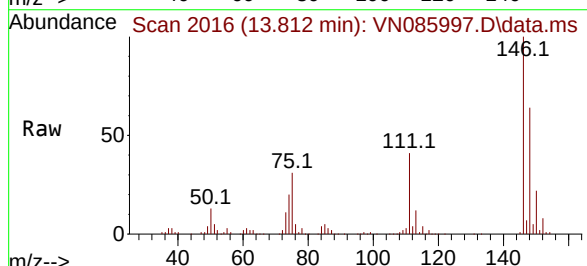
Tgt Ion:146 Resp: 229820

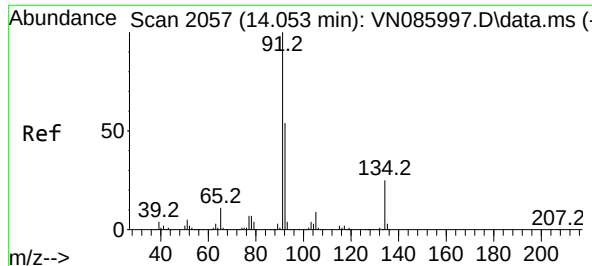
Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.3

148 64.3 32.1 96.5





#89

n-Butylbenzene

Concen: 54.669 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

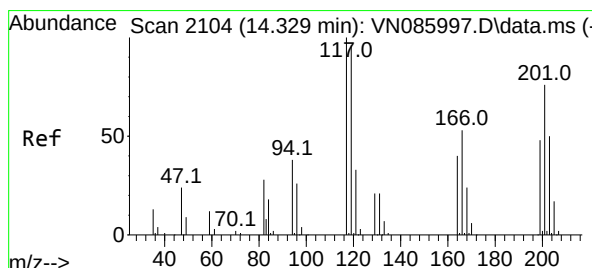
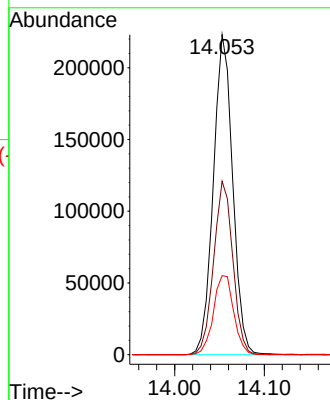
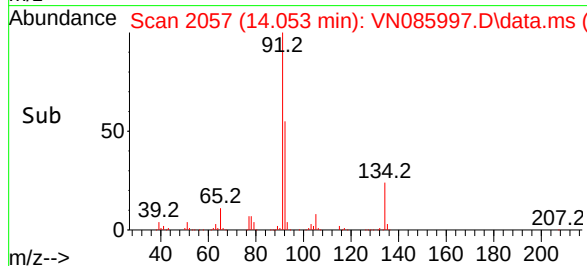
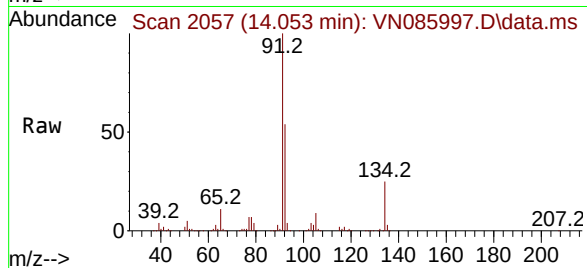
Tgt Ion:	91	Resp:	334309
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.6
134	26.0	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#90

Hexachloroethane

Concen: 46.350 ug/l

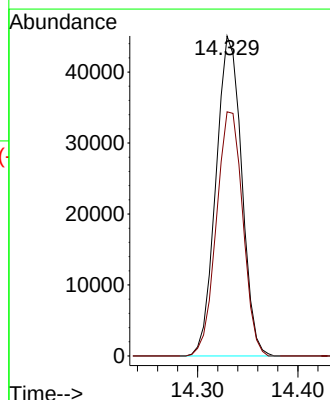
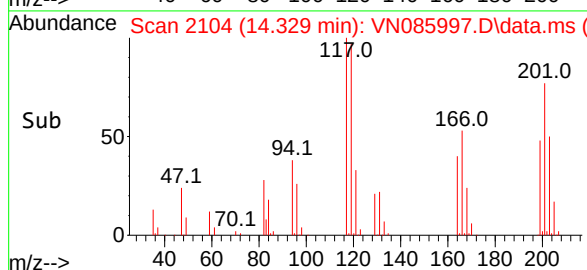
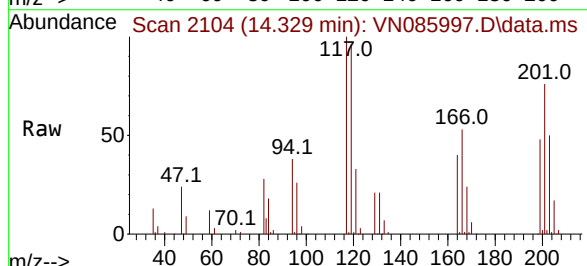
RT: 14.329 min Scan# 2104

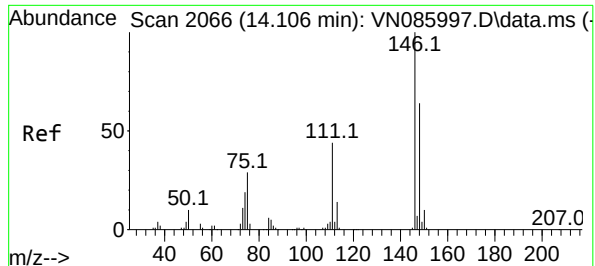
Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Tgt Ion:	117	Resp:	80312
Ion	Ratio	Lower	Upper
117	100		
201	78.2	39.1	117.3





#91

1,2-Dichlorobenzene

Concen: 46.825 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 220320

Ion Ratio Lower Upper

146 100

111 44.5 22.3 66.8

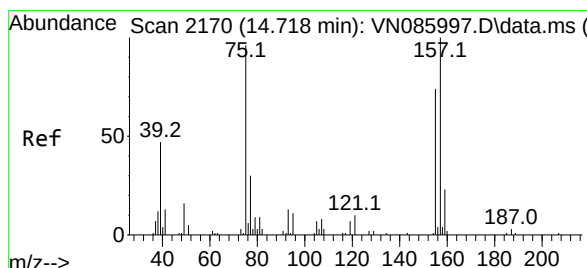
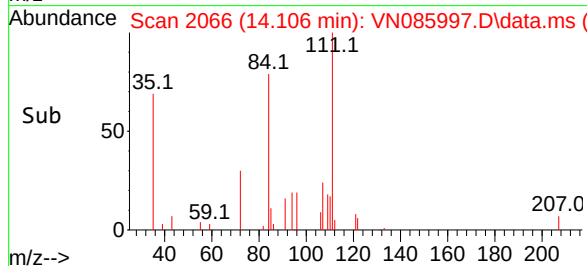
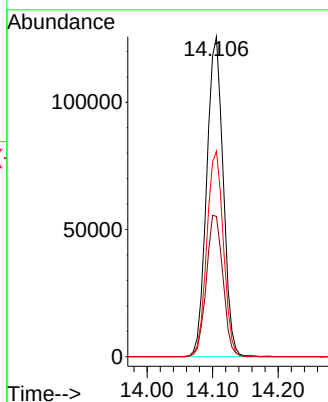
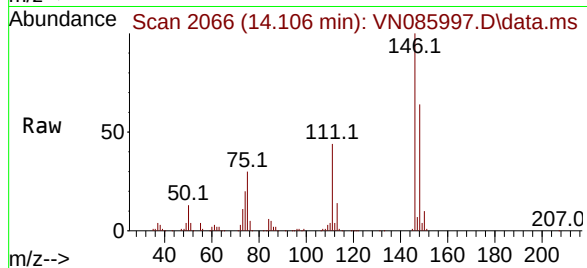
148 64.3 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.010 ug/l

RT: 14.718 min Scan# 2170

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08

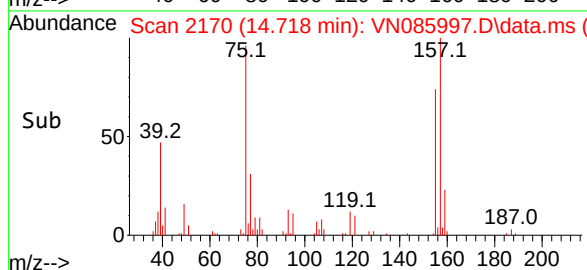
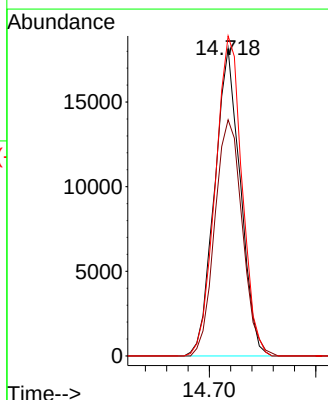
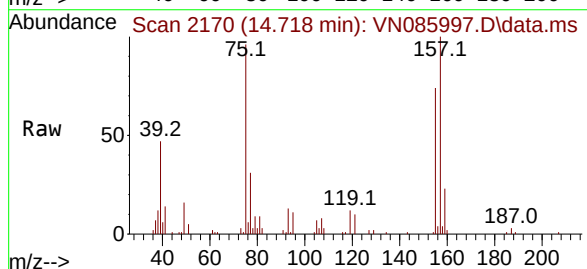
Tgt Ion: 75 Resp: 30533

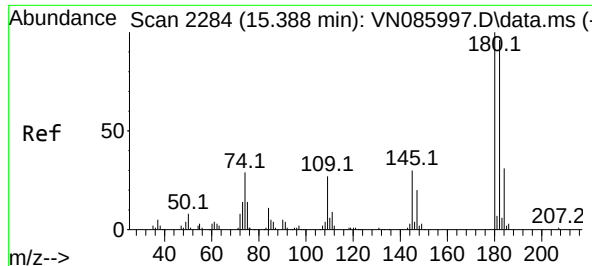
Ion Ratio Lower Upper

75 100

155 82.0 41.0 123.0

157 107.4 53.7 161.1





#93

1,2,4-Trichlorobenzene

Concen: 49.573 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VN085997.D

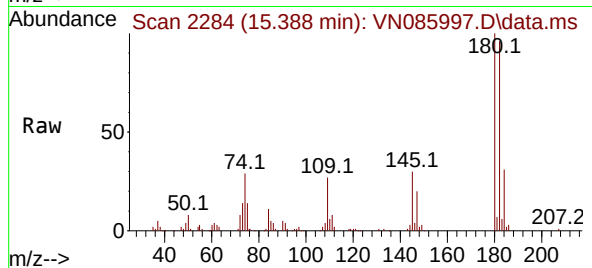
Acq: 18 Mar 2025 12:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050



Tgt Ion:180 Resp: 11728

Ion Ratio Lower Upper

180 100

182 94.0 47.0 141.0

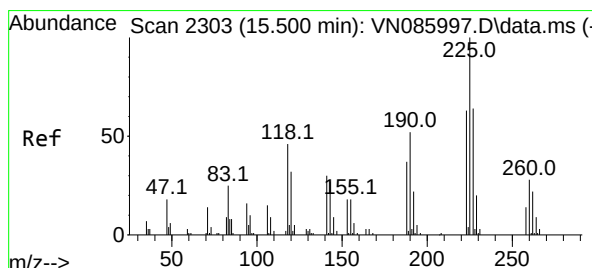
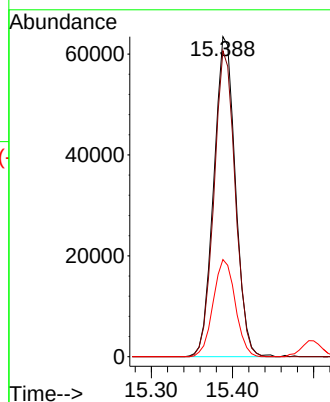
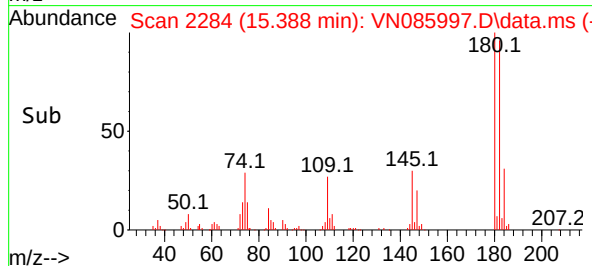
145 31.0 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#94

Hexachlorobutadiene

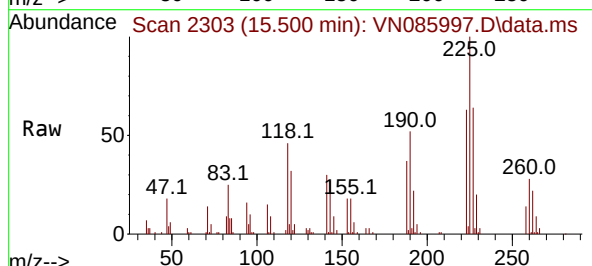
Concen: 44.428 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN085997.D

Acq: 18 Mar 2025 12:08



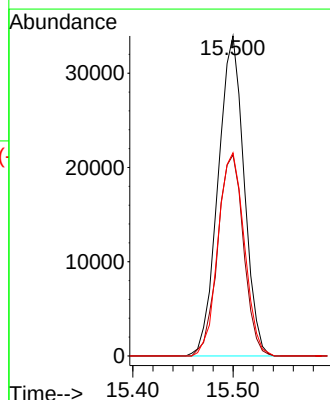
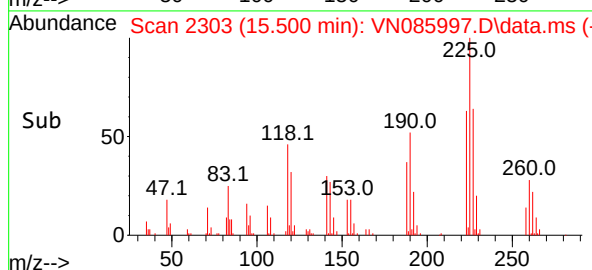
Tgt Ion:225 Resp: 60983

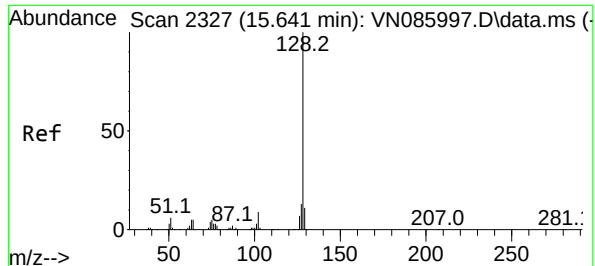
Ion Ratio Lower Upper

225 100

223 62.6 31.3 93.9

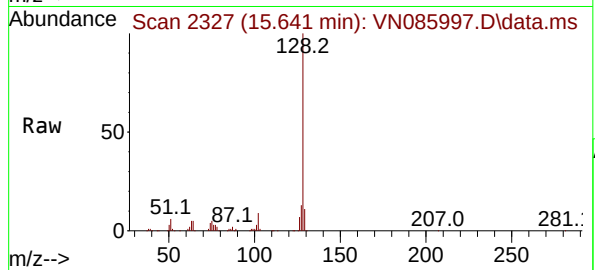
227 64.2 32.1 96.3





#95
Naphthalene
Concen: 52.451 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

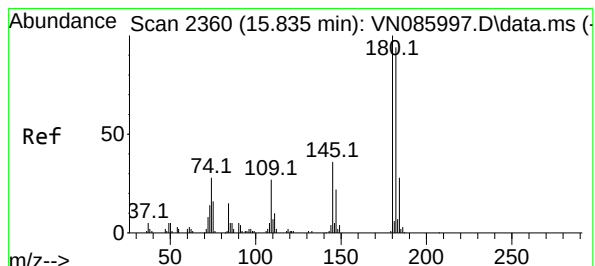
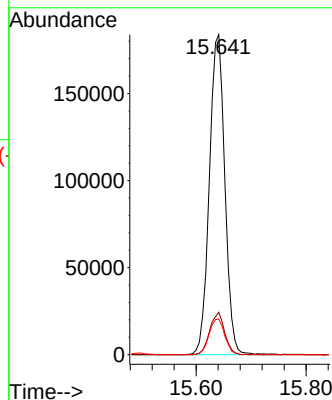
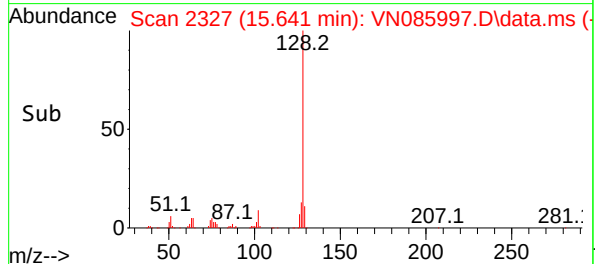
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 35933
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.3 9.0 13.6

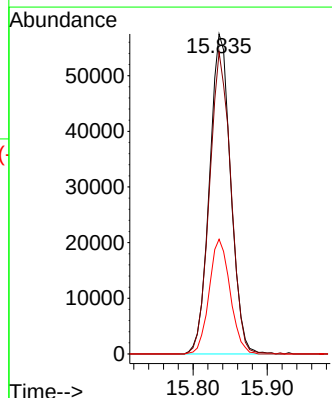
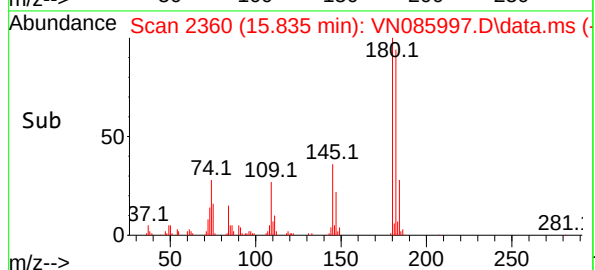
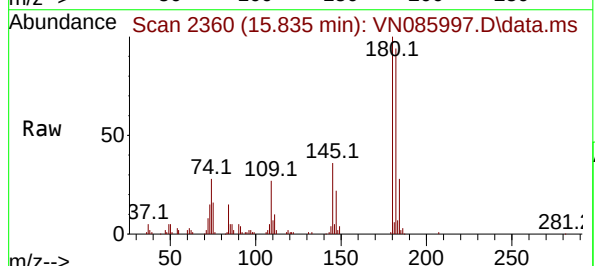
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.897 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN085997.D
Acq: 18 Mar 2025 12:08

Tgt Ion:180 Resp: 114262
Ion Ratio Lower Upper
180 100
182 95.0 47.5 142.5
145 35.4 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085998.D
 Acq On : 18 Mar 2025 12:32
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:54:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	180263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	48218	19.534	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.060%#		
35) Dibromofluoromethane	8.165	113	39531	19.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.800%#		
50) Toluene-d8	10.565	98	142597	19.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.560%#		
62) 4-Bromofluorobenzene	12.847	95	50895	19.799	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	39.600%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	43250	18.110	ug/l	96
3) Chloromethane	2.359	50	37051	17.697	ug/l	98
4) Vinyl Chloride	2.506	62	39037	18.236	ug/l	98
5) Bromomethane	2.942	94	27158	18.625	ug/l	97
6) Chloroethane	3.106	64	24077	17.829	ug/l #	86
7) Trichlorofluoromethane	3.495	101	69126	17.963	ug/l	99
8) Diethyl Ether	3.959	74	22721	19.287	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	36929	18.056	ug/l	99
10) Methyl Iodide	4.583	142	49138	18.439	ug/l	91
11) Tert butyl alcohol	5.518	59	32886	94.099	ug/l	99
12) 1,1-Dichloroethene	4.336	96	34693	18.786	ug/l	95
13) Acrolein	4.177	56	37669	101.056	ug/l	99
14) Allyl chloride	5.018	41	41227	17.894	ug/l	99
15) Acrylonitrile	5.718	53	88238	95.601	ug/l	98
16) Acetone	4.424	43	64377	85.367	ug/l	97
17) Carbon Disulfide	4.706	76	105800	17.420	ug/l	100
18) Methyl Acetate	5.024	43	31321	16.787	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	113784	18.802	ug/l	96
20) Methylene Chloride	5.277	84	39757	18.021	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	37536	18.598	ug/l	98
22) Diisopropyl ether	6.671	45	94961	19.341	ug/l	94
23) Vinyl Acetate	6.600	43	369355m	99.232	ug/l	
24) 1,1-Dichloroethane	6.565	63	65460	18.131	ug/l	100
25) 2-Butanone	7.483	43	99742	91.662	ug/l	96
26) 2,2-Dichloropropane	7.488	77	63430	18.249	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	42598	18.573	ug/l	98
28) Bromochloromethane	7.812	49	28688	18.755	ug/l	99
29) Tetrahydrofuran	7.841	42	65915	98.119	ug/l	99
30) Chloroform	7.965	83	72867	18.259	ug/l	97
31) Cyclohexane	8.253	56	55179	17.940	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	69390	18.369	ug/l	95
36) 1,1-Dichloropropene	8.371	75	47900	18.317	ug/l	100
37) Ethyl Acetate	7.559	43	41696	18.899	ug/l	99
38) Carbon Tetrachloride	8.353	117	63404	18.440	ug/l	92
39) Methylcyclohexane	9.600	83	47633	18.359	ug/l	94
40) Benzene	8.606	78	153432	18.690	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085998.D
 Acq On : 18 Mar 2025 12:32
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:54:15 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 19 02:30:27 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	21324	20.242	ug/l	96
42) 1,2-Dichloroethane	8.671	62	52637	18.401	ug/l	100
43) Isopropyl Acetate	8.688	43	90251m	18.838	ug/l	
44) Trichloroethene	9.353	130	38098	17.906	ug/l	94
45) 1,2-Dichloropropane	9.618	63	36309	19.446	ug/l	98
46) Dibromomethane	9.706	93	26612	18.123	ug/l	98
47) Bromodichloromethane	9.888	83	57646	18.784	ug/l	96
48) Methyl methacrylate	9.677	41	30533	19.354	ug/l	99
49) 1,4-Dioxane	9.694	88	14060	377.006	ug/l	90
51) 4-Methyl-2-Pentanone	10.441	43	209460	99.344	ug/l	98
52) Toluene	10.629	92	98133	19.476	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	57384	19.253	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	60620	19.278	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	35992	18.716	ug/l	96
56) Ethyl methacrylate	10.871	69	52684	20.039	ug/l	99
57) 1,3-Dichloropropane	11.159	76	61369	18.788	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	66141	69.674	ug/l	99
59) 2-Hexanone	11.194	43	152912	99.554	ug/l	98
60) Dibromochloromethane	11.359	129	46407	18.701	ug/l	98
61) 1,2-Dibromoethane	11.465	107	37071	18.777	ug/l	97
64) Tetrachloroethene	11.100	164	37287	18.572	ug/l	95
65) Chlorobenzene	11.888	112	107742	18.708	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	39102	18.264	ug/l	98
67) Ethyl Benzene	11.959	91	175592	19.060	ug/l	97
68) m/p-Xylenes	12.071	106	141029	38.948	ug/l	99
69) o-Xylene	12.394	106	65978	19.853	ug/l	99
70) Styrene	12.406	104	112279	19.780	ug/l	99
71) Bromoform	12.576	173	33086	18.487	ug/l #	99
73) Isopropylbenzene	12.694	105	162838	19.041	ug/l	100
74) N-amyl acetate	12.494	43	56163	19.630	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	52144	18.023	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	57493m	20.137	ug/l	
77) Bromobenzene	12.976	156	43969	18.439	ug/l	99
78) n-propylbenzene	13.035	91	189068	19.524	ug/l	99
79) 2-Chlorotoluene	13.123	91	123854	19.256	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	142528	19.740	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	21026	19.827	ug/l	94
82) 4-Chlorotoluene	13.218	91	128159	19.376	ug/l	99
83) tert-Butylbenzene	13.435	119	114669	18.570	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	144557	19.850	ug/l	100
85) sec-Butylbenzene	13.612	105	158970	19.734	ug/l	99
86) p-Isopropyltoluene	13.729	119	133733	19.611	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	80845	18.809	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	81175	17.975	ug/l	99
89) n-Butylbenzene	14.053	91	103559	18.649	ug/l	98
90) Hexachloroethane	14.329	117	27141	17.249	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	76225	17.839	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10795	18.692	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	39028	18.166	ug/l	98
94) Hexachlorobutadiene	15.494	225	22741	18.244	ug/l	98
95) Naphthalene	15.635	128	115493	18.564	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	38684	18.975	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085998.D
Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:54:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

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

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

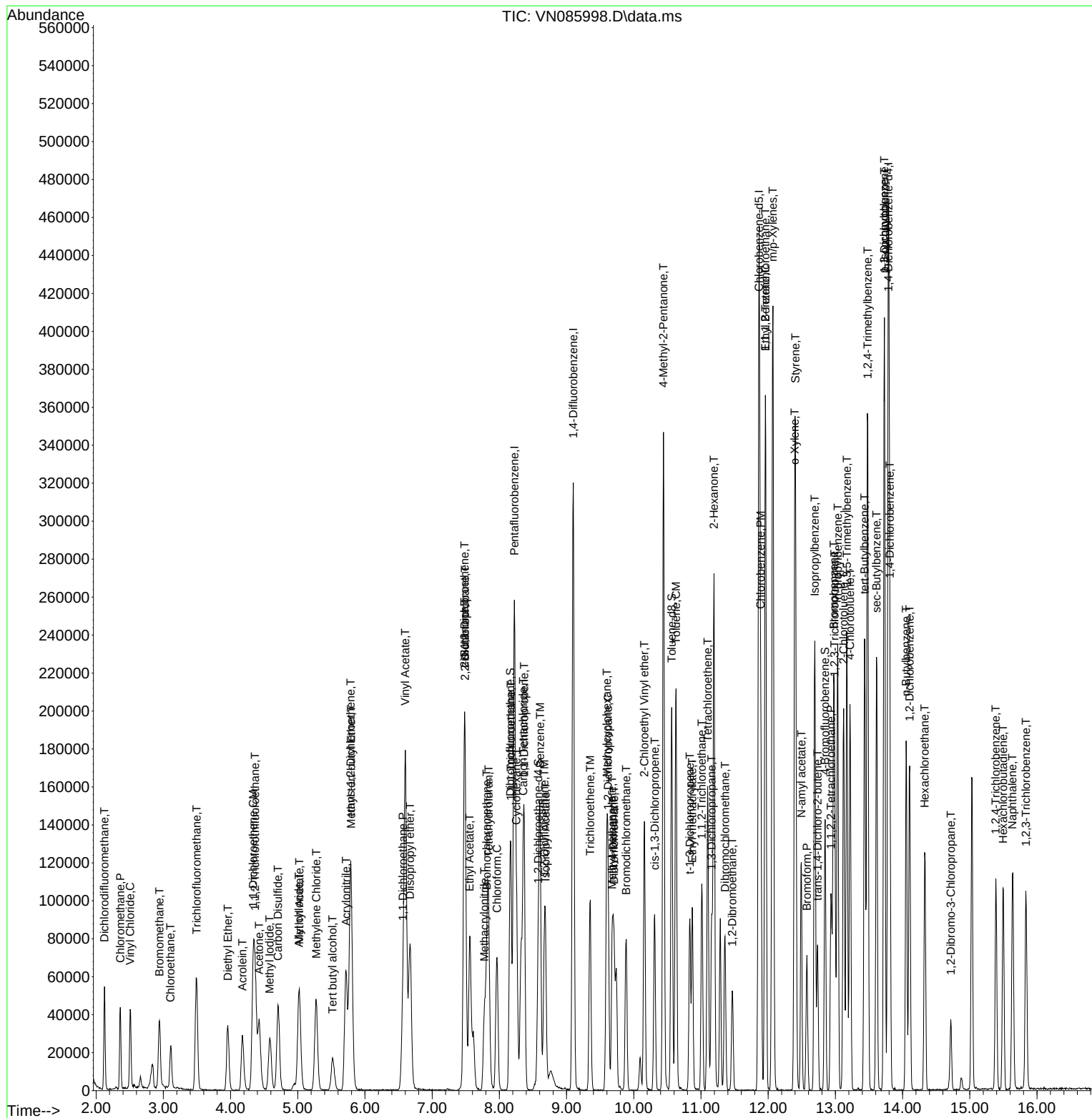
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Data File : VN085998.D
Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

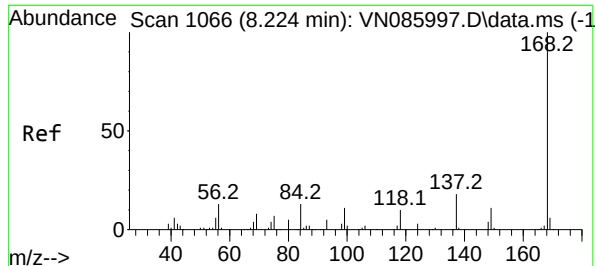
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

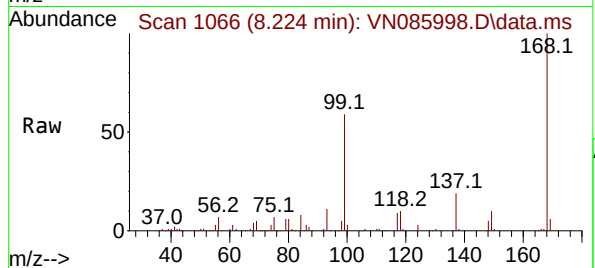
Quant Time: Mar 19 02:54:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

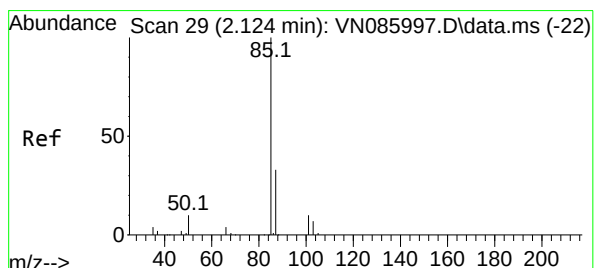
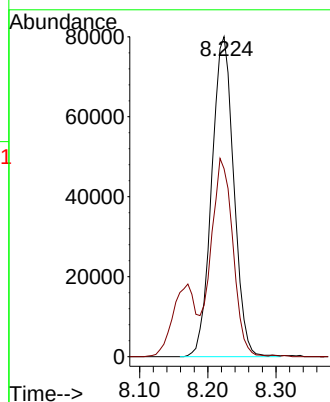
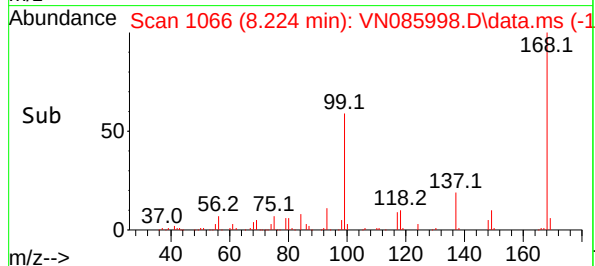
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:168 Resp: 18026
Ion Ratio Lower Upper
168 100
99 58.6 49.4 74.2

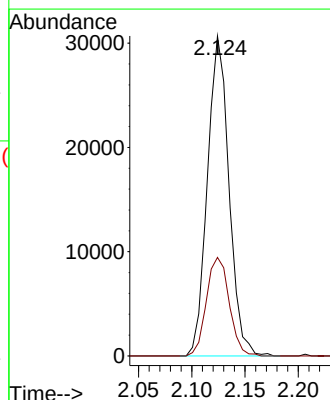
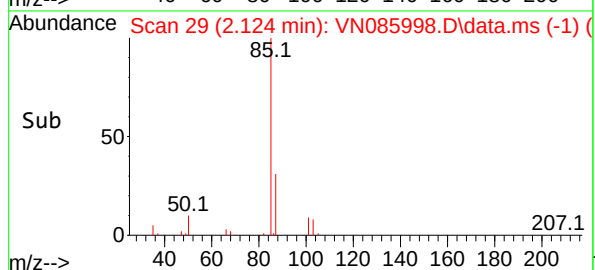
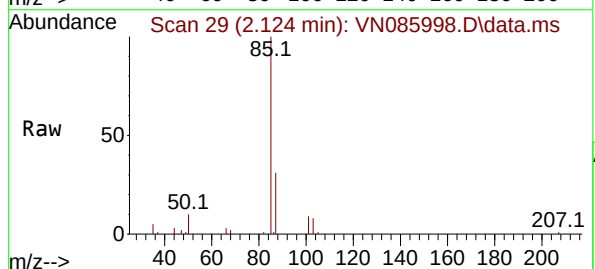
Manual Integrations
APPROVED

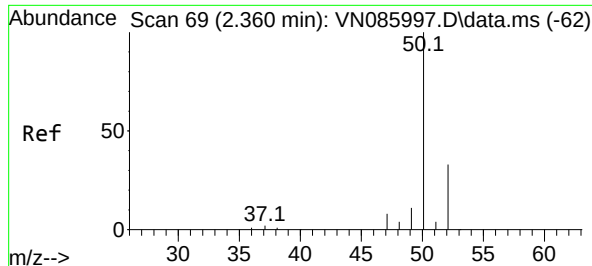
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 18.110 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 85 Resp: 43250
Ion Ratio Lower Upper
85 100
87 30.8 16.5 49.5





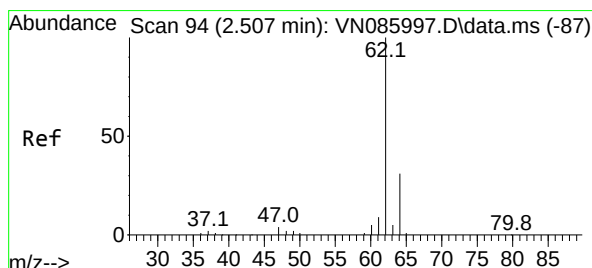
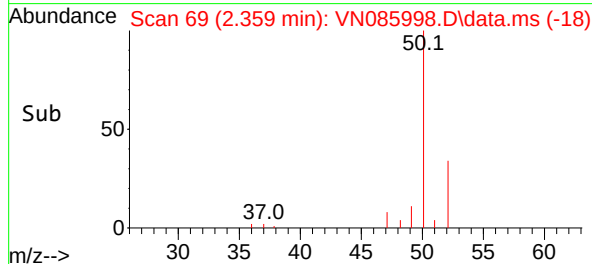
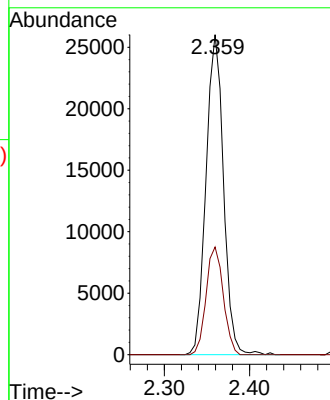
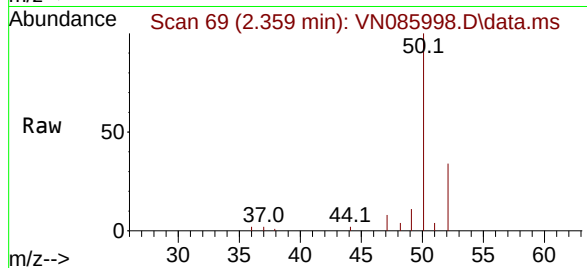
#3
Chloromethane
Concen: 17.697 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 3705
Ion Ratio Lower Upper
50 100
52 33.6 26.0 39.0

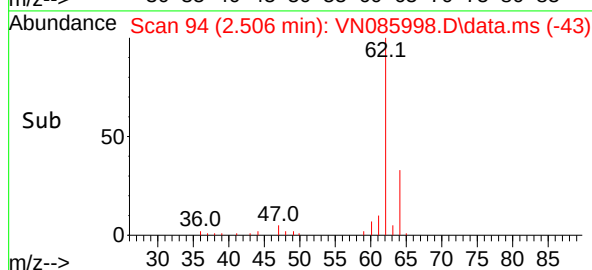
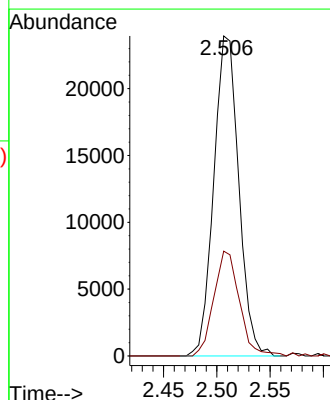
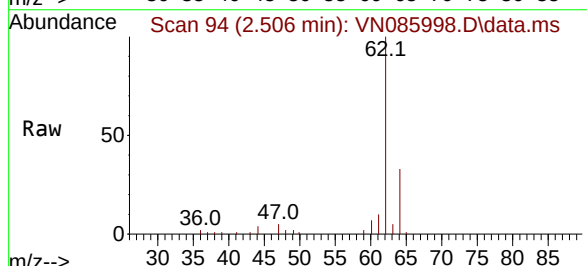
Manual Integrations
APPROVED

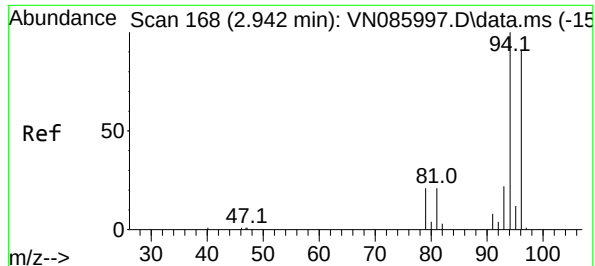
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 18.236 ug/l
RT: 2.506 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

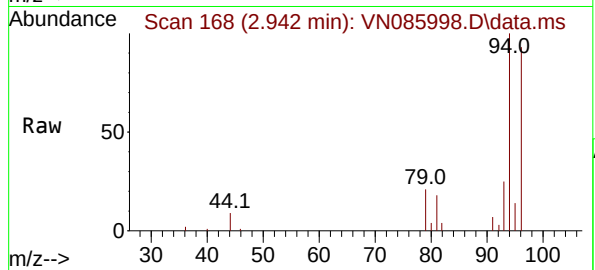
Tgt Ion: 62 Resp: 39037
Ion Ratio Lower Upper
62 100
64 32.8 25.2 37.8





#5
Bromomethane
Concen: 18.625 ug/l
RT: 2.942 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

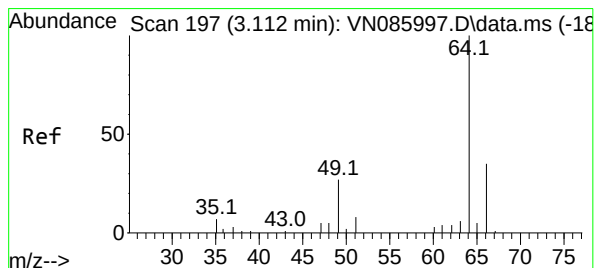
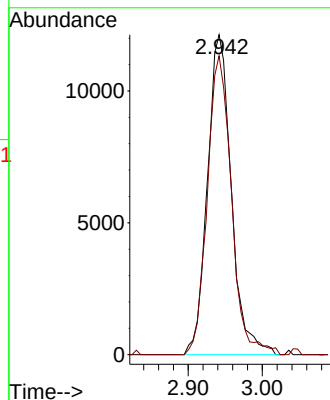
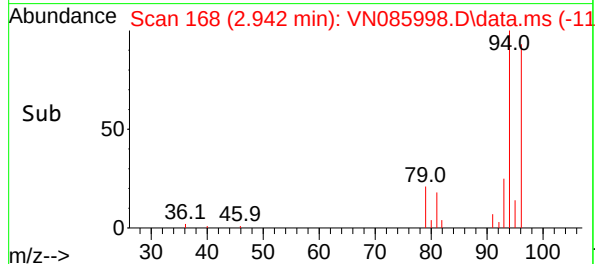
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 94 Resp: 27158
Ion Ratio Lower Upper
94 100
96 93.4 72.8 109.2

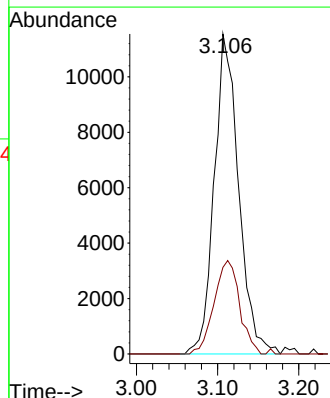
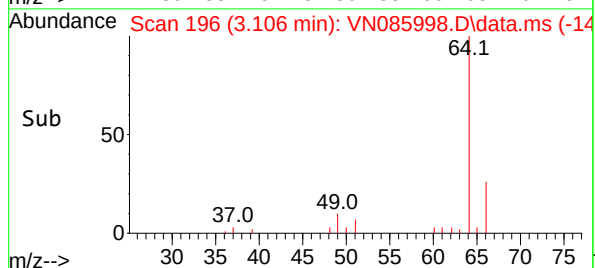
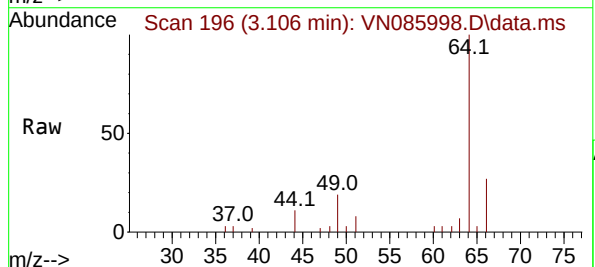
Manual Integrations
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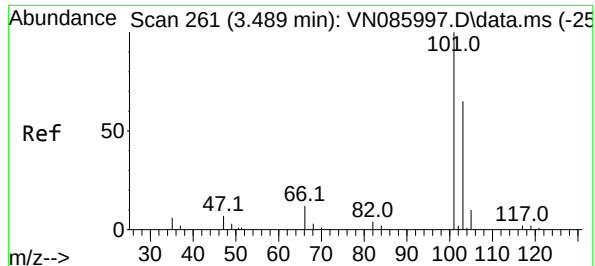
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#6
Chloroethane
Concen: 17.829 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 64 Resp: 24077
Ion Ratio Lower Upper
64 100
66 27.1 28.3 42.5#





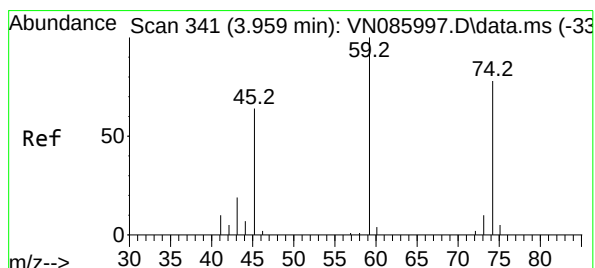
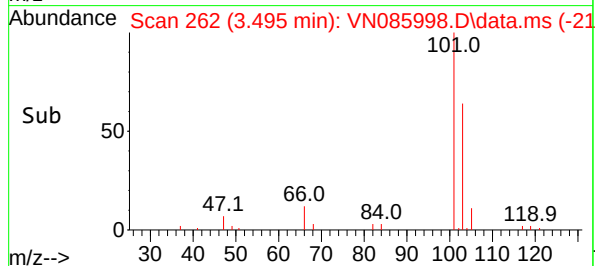
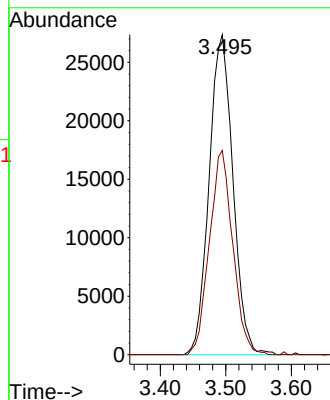
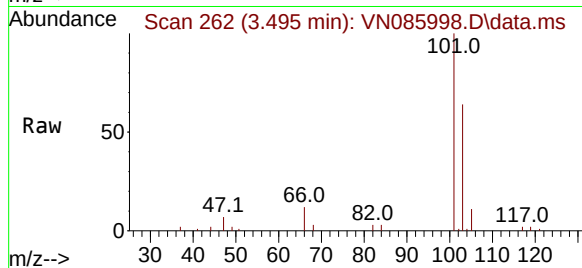
#7
Trichlorofluoromethane
Concen: 17.963 ug/l
RT: 3.495 min Scan# 261
Delta R.T. 0.006 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:101 Resp: 69120
Ion Ratio Lower Upper
101 100
103 63.8 51.7 77.5

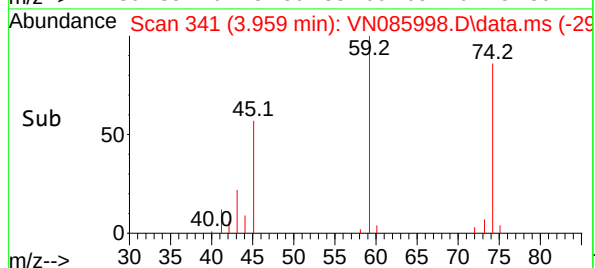
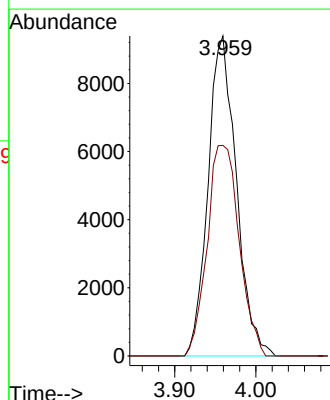
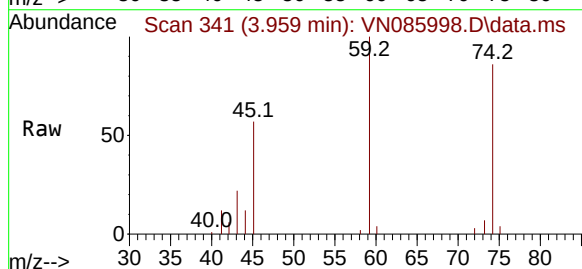
Manual Integrations
APPROVED

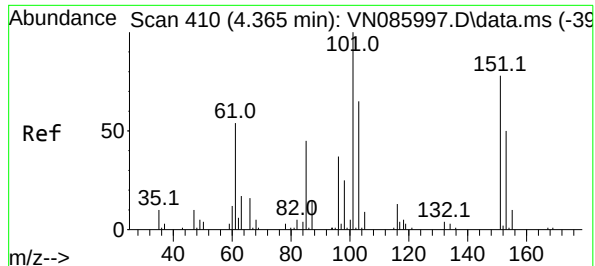
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#8
Diethyl Ether
Concen: 19.287 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 74 Resp: 22721
Ion Ratio Lower Upper
74 100
45 74.5 38.0 113.9





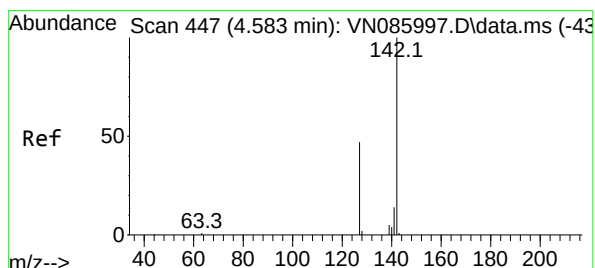
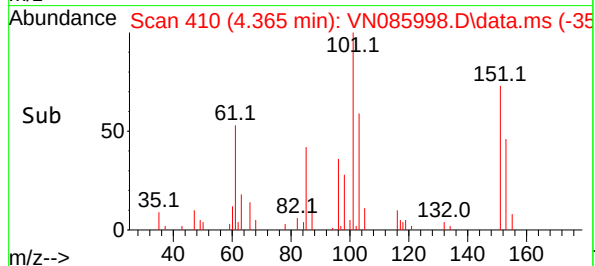
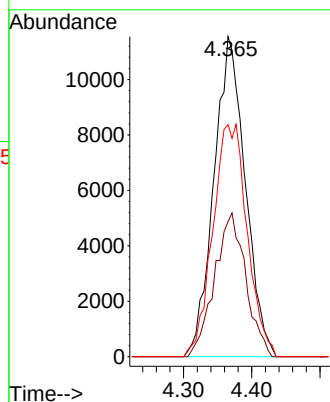
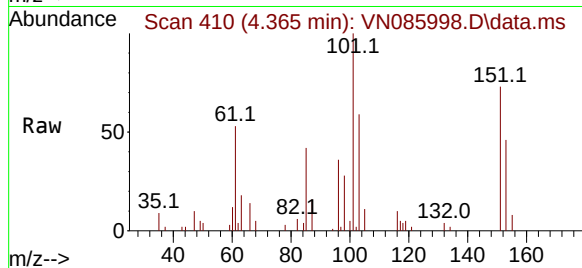
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.056 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:101 Resp: 36929
Ion Ratio Lower Upper
101 100
85 44.7 36.5 54.7
151 79.4 63.4 95.0

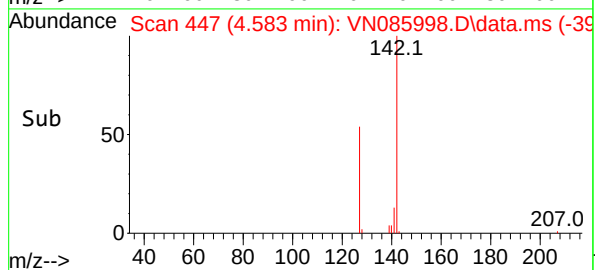
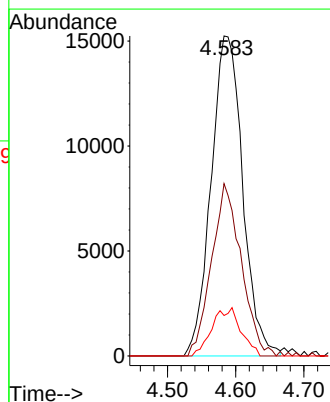
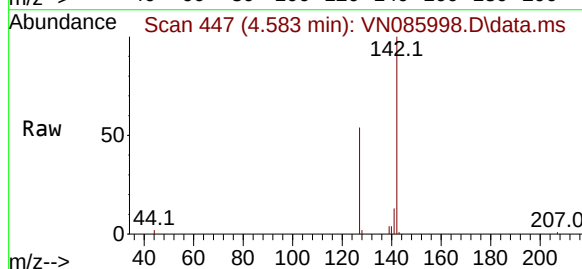
Manual Integrations
APPROVED

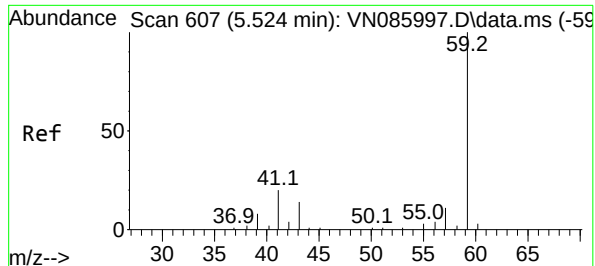
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#10
Methyl Iodide
Concen: 18.439 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion:142 Resp: 49138
Ion Ratio Lower Upper
142 100
127 53.9 37.5 56.3
141 12.7 11.0 16.6





#11

Tert butyl alcohol

Concen: 94.099 ug/l

RT: 5.518 min Scan# 607

Delta R.T. -0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 59 Resp: 3288

Ion Ratio Lower Upper

59 100

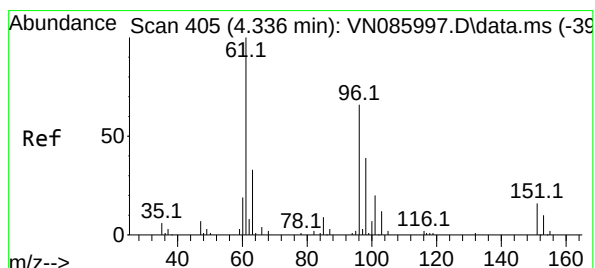
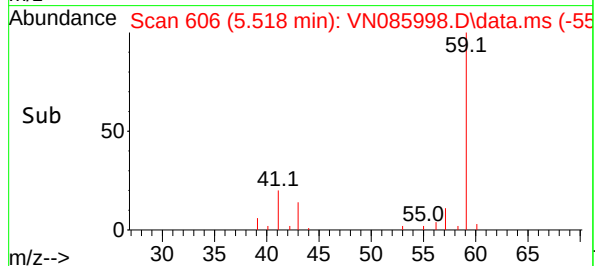
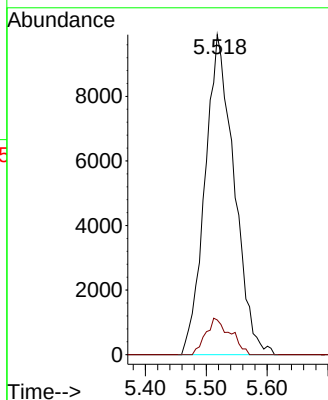
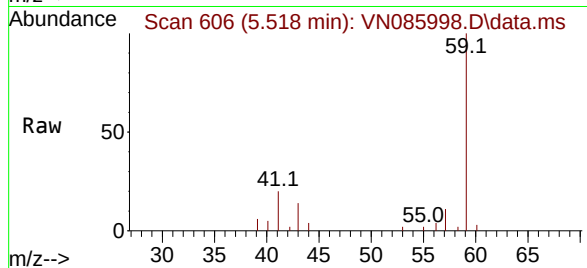
57 9.7 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#12

1,1-Dichloroethene

Concen: 18.786 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

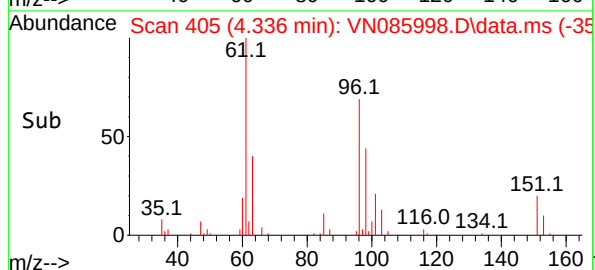
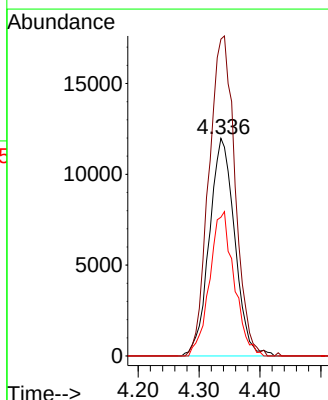
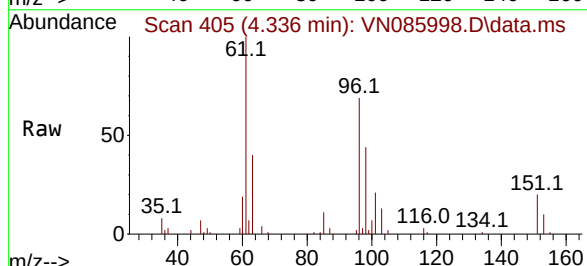
Tgt Ion: 96 Resp: 34693

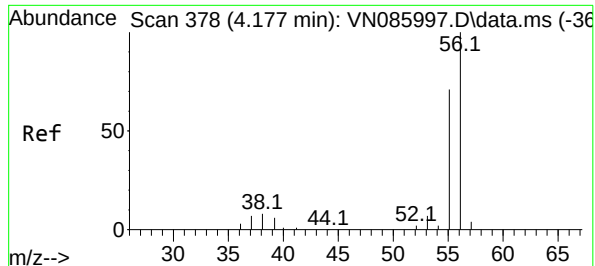
Ion Ratio Lower Upper

96 100

61 145.6 120.5 180.7

98 63.8 47.4 71.0





#13

Acrolein

Concen: 101.056 ug/l

RT: 4.177 min Scan# 378

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 3766

Ion Ratio Lower Upper

56 100

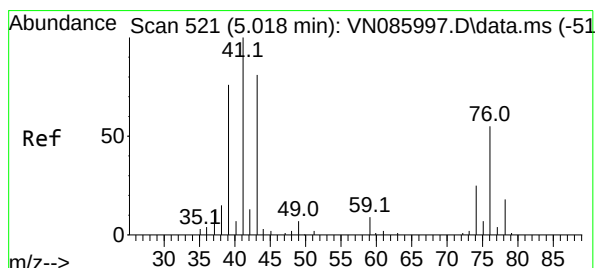
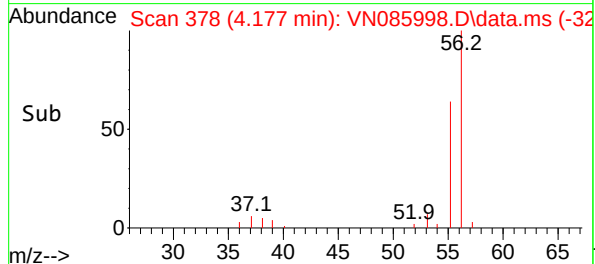
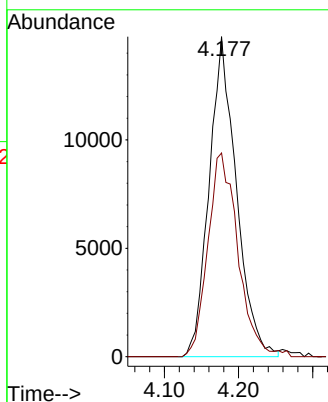
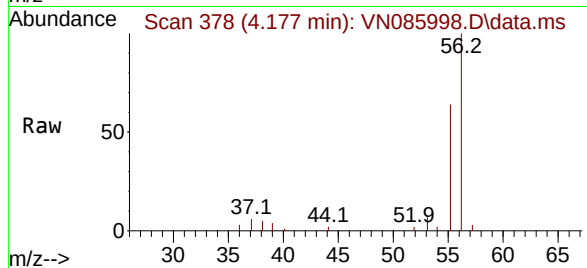
55 69.7 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 17.894 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

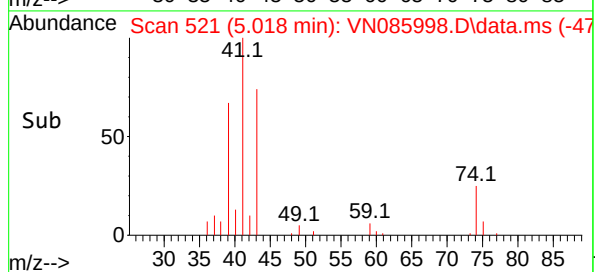
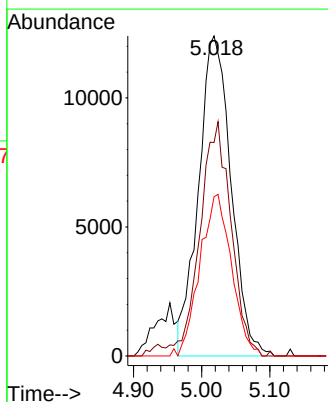
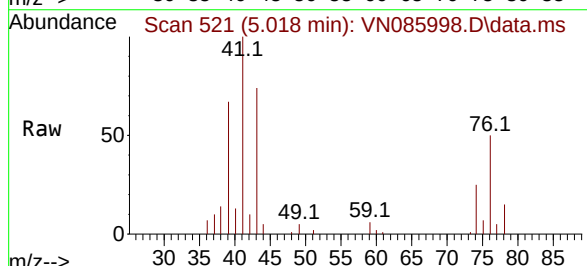
Tgt Ion: 41 Resp: 41227

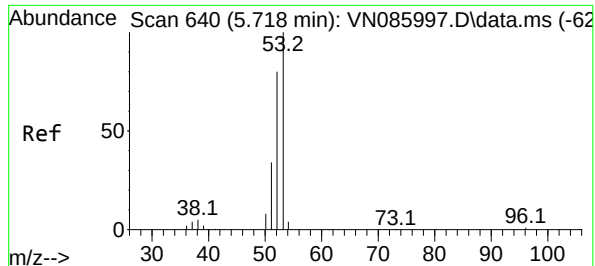
Ion Ratio Lower Upper

41 100

39 70.0 55.5 83.3

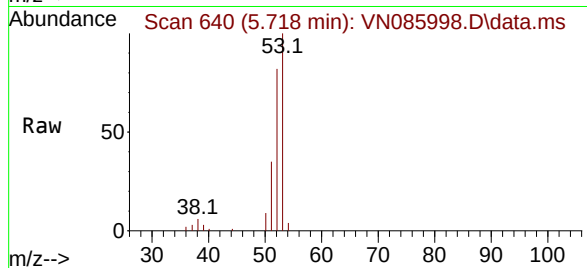
76 49.1 39.1 58.7





#15
Acrylonitrile
Concen: 95.601 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

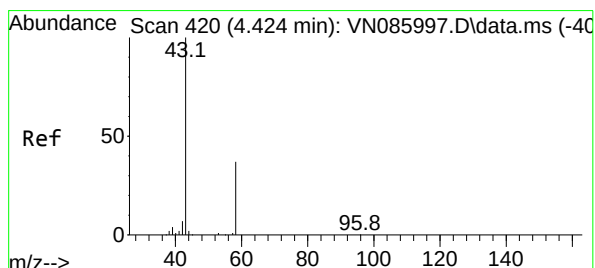
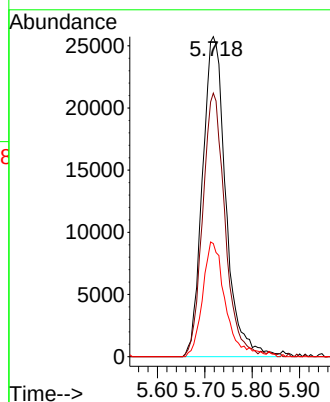
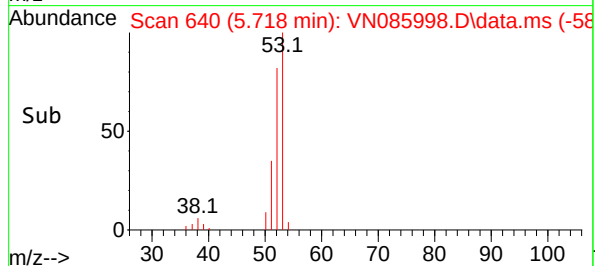
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 53 Resp: 88238
Ion Ratio Lower Upper
53 100
52 78.1 63.9 95.9
51 34.8 27.1 40.7

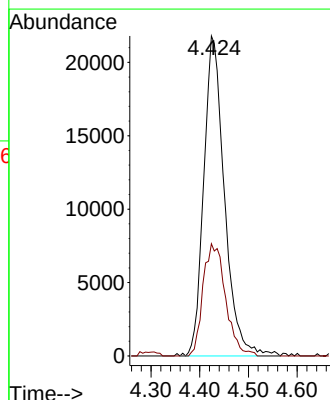
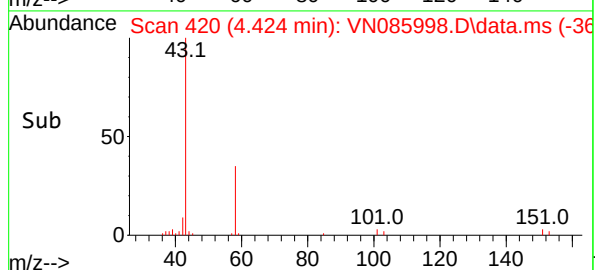
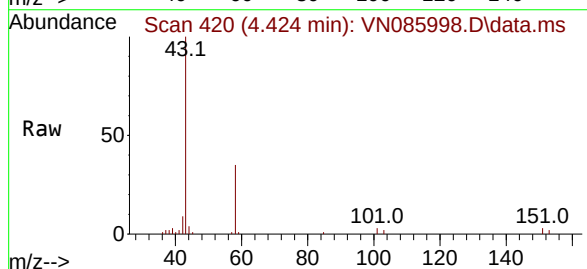
Manual Integrations
APPROVED

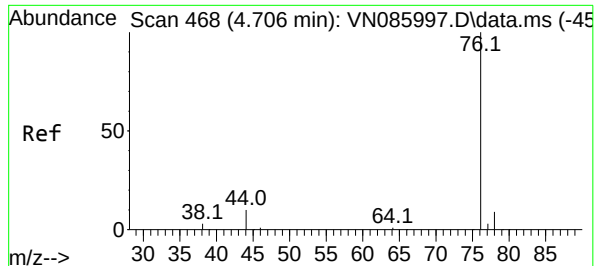
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#16
Acetone
Concen: 85.367 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

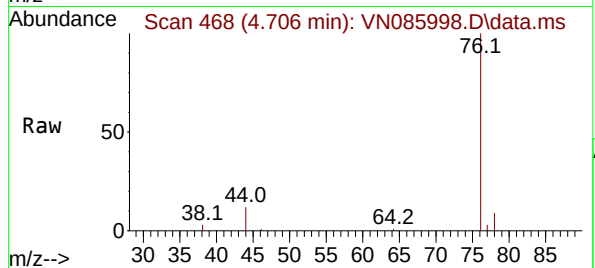
Tgt Ion: 43 Resp: 64377
Ion Ratio Lower Upper
43 100
58 35.0 29.4 44.2





#17
Carbon Disulfide
Concen: 17.420 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

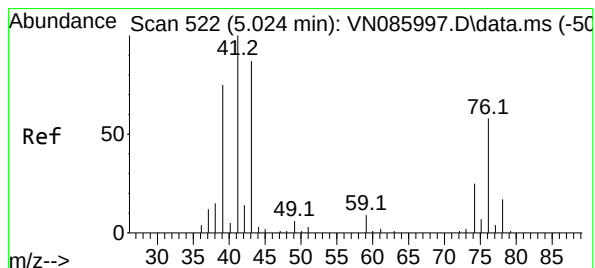
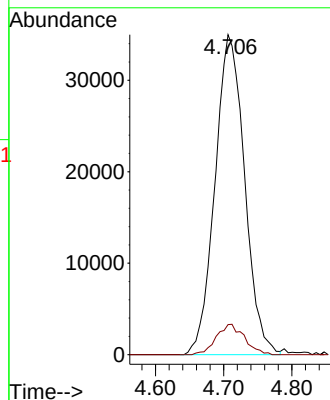
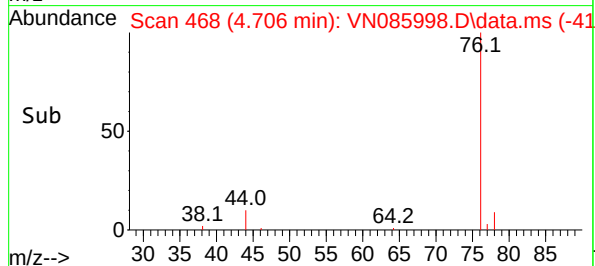
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 105800
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2

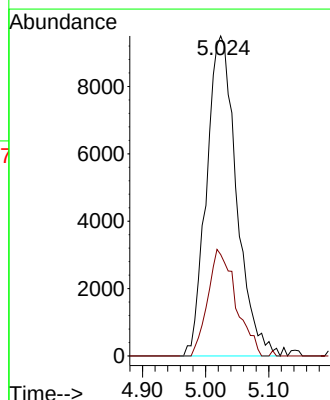
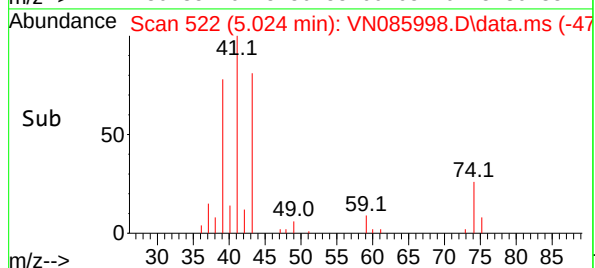
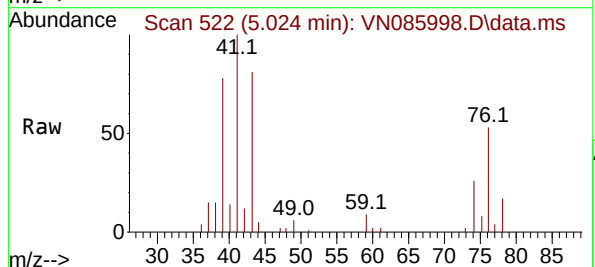
Manual Integrations
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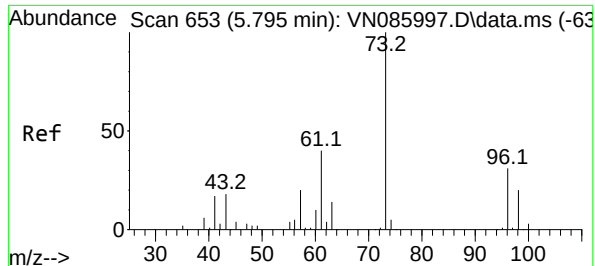
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#18
Methyl Acetate
Concen: 16.787 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 43 Resp: 31321
Ion Ratio Lower Upper
43 100
74 31.2 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 18.802 ug/l

RT: 5.794 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 73 Resp: 113784

Ion Ratio Lower Upper

73 100

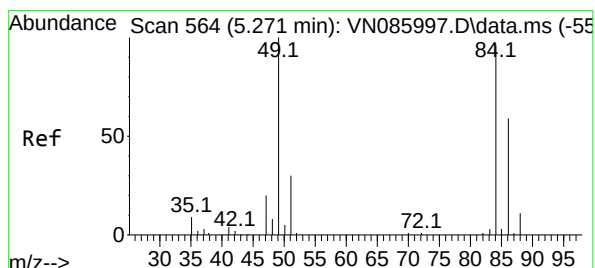
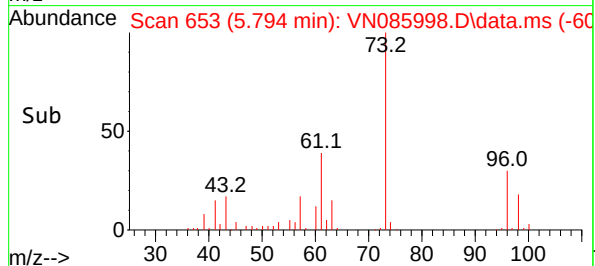
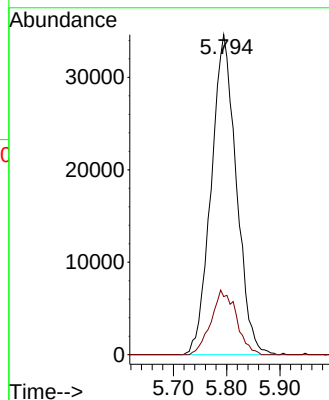
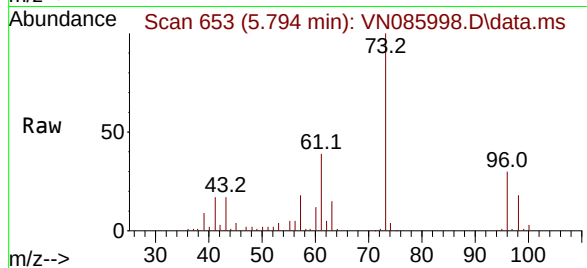
57 18.2 16.1 24.1

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#20

Methylene Chloride

Concen: 18.021 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion: 84 Resp: 39757

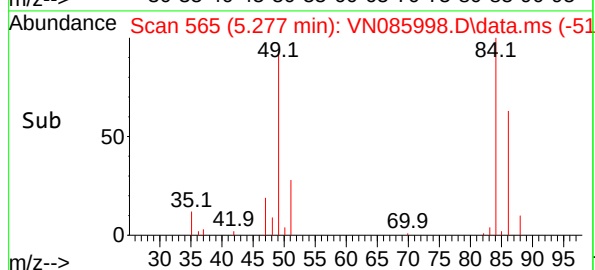
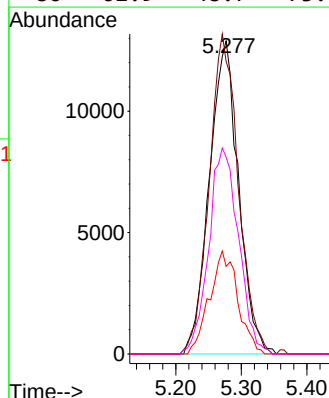
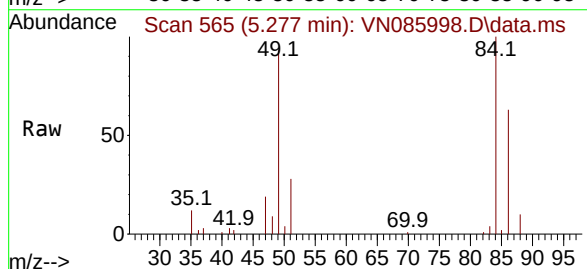
Ion Ratio Lower Upper

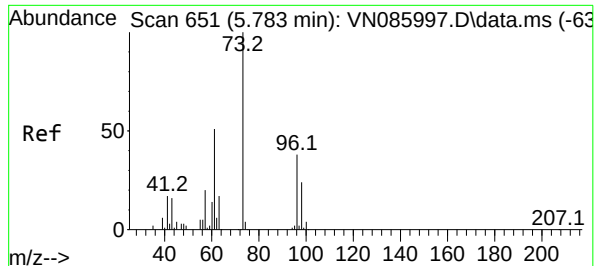
84 100

49 93.5 83.3 124.9

51 28.0 24.8 37.2

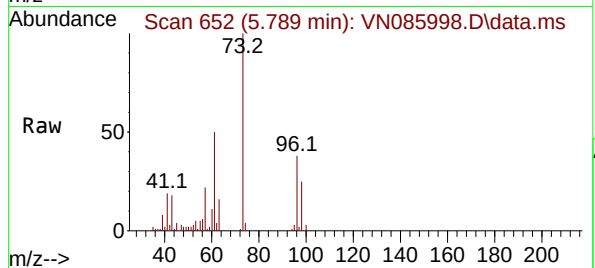
86 62.9 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 18.598 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

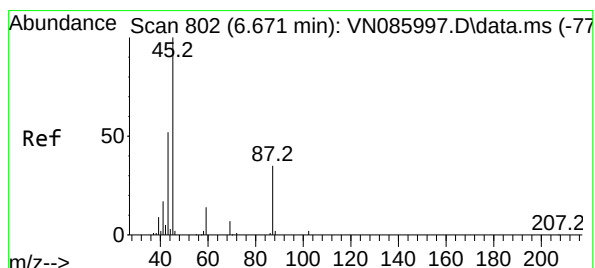
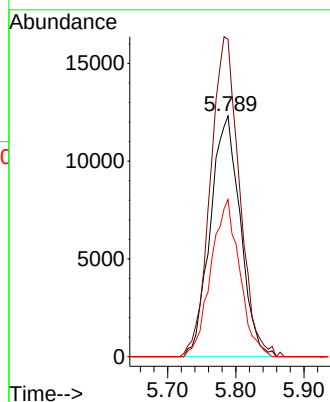
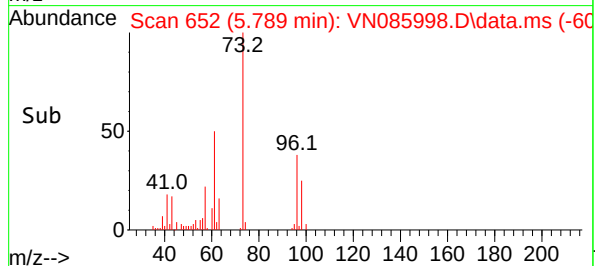
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 37530
Ion Ratio Lower Upper
96 100
61 132.0 106.6 160.0
98 65.3 50.0 75.0

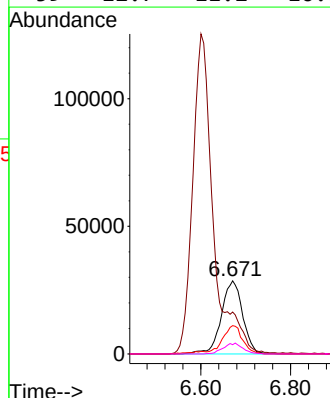
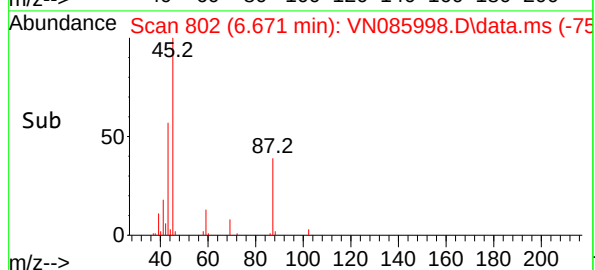
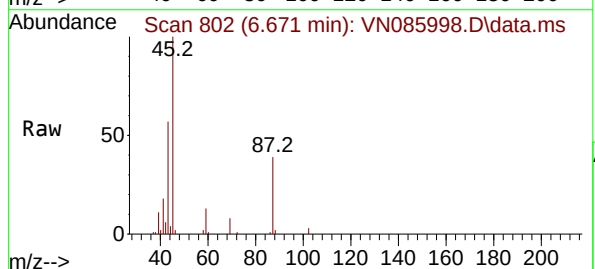
Manual Integrations
APPROVED

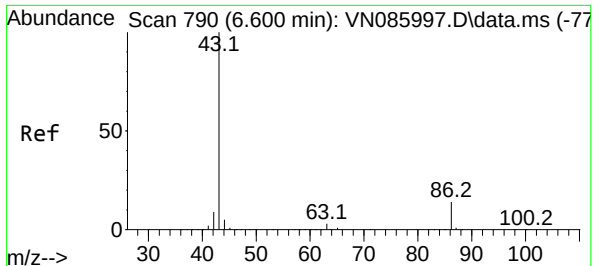
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 19.341 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 45 Resp: 94961
Ion Ratio Lower Upper
45 100
43 56.2 41.2 61.8
87 38.8 28.5 42.7
59 12.7 11.2 16.8





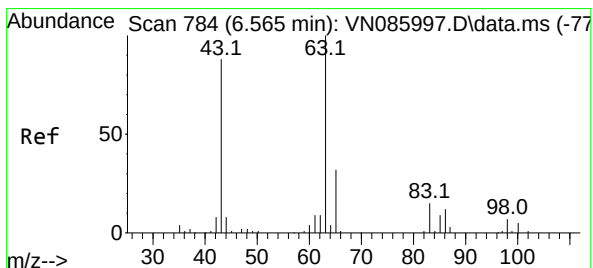
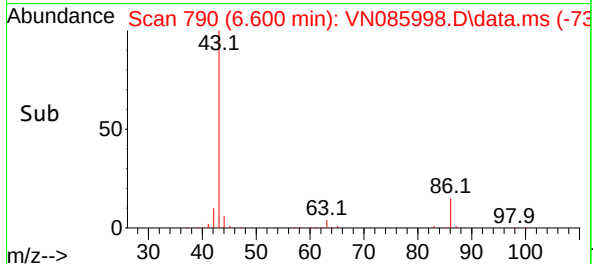
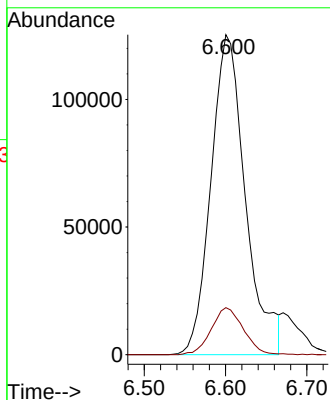
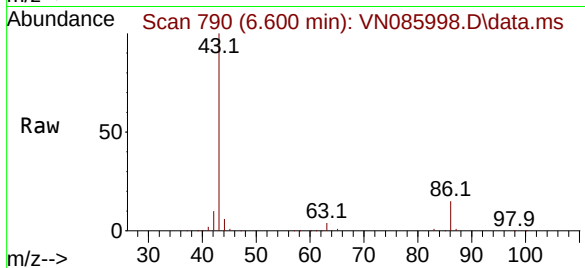
#23
Vinyl Acetate
Concen: 99.232 ug/l m
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 36935
Ion Ratio Lower Upper
43 100
86 14.7 11.2 16.8

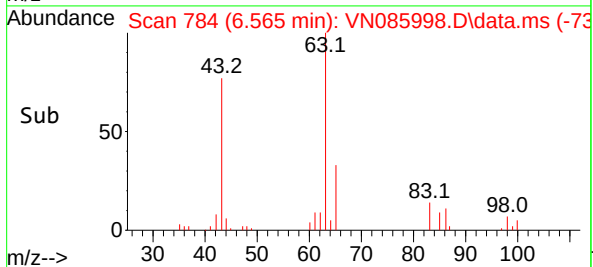
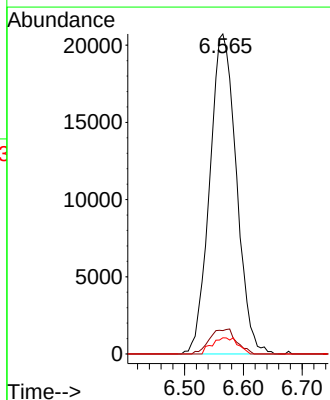
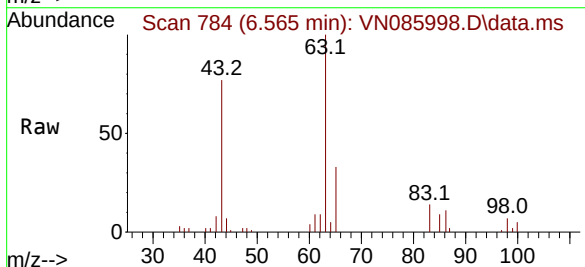
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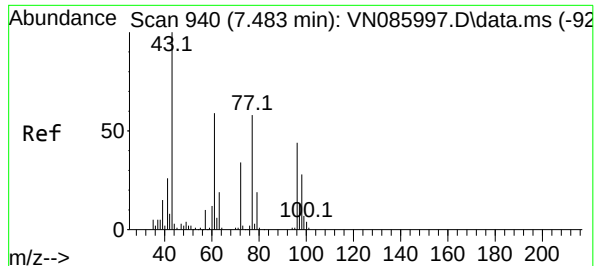
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#24
1,1-Dichloroethane
Concen: 18.131 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 63 Resp: 65460
Ion Ratio Lower Upper
63 100
98 7.3 3.6 10.9
100 5.1 2.5 7.5





#25

2-Butanone

Concen: 91.662 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 9974

Ion Ratio Lower Upper

43 100

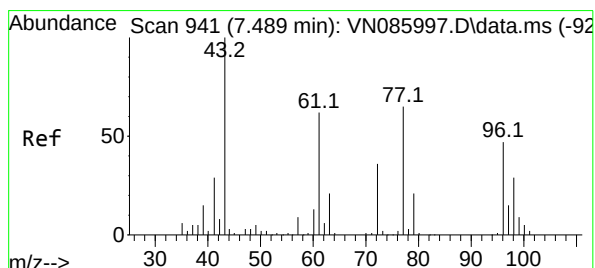
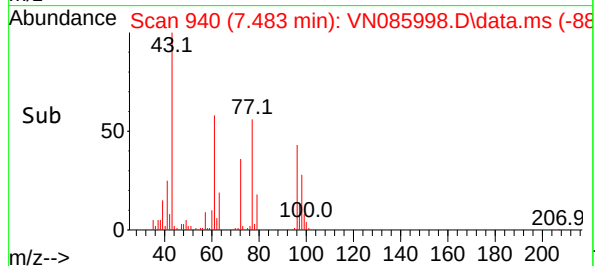
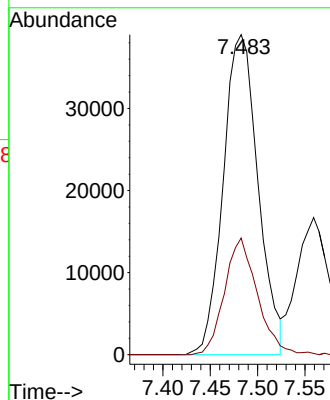
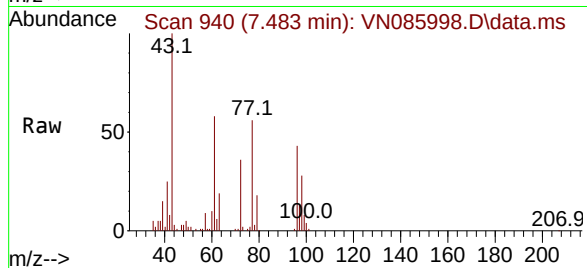
72 36.5 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#26

2,2-Dichloropropane

Concen: 18.249 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN085998.D

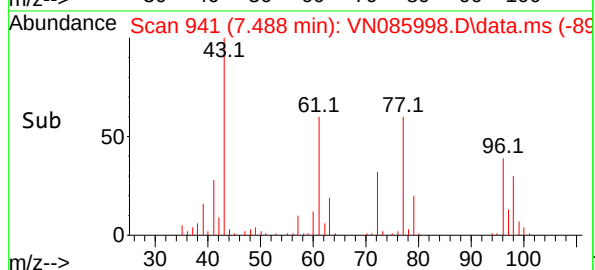
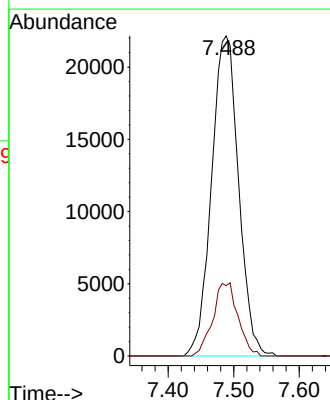
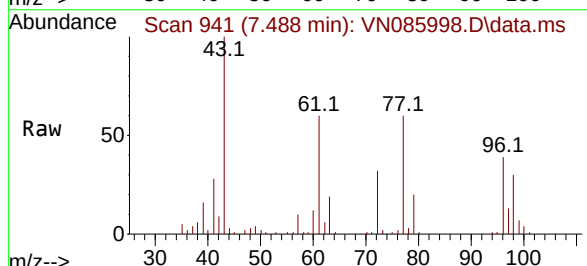
Acq: 18 Mar 2025 12:32

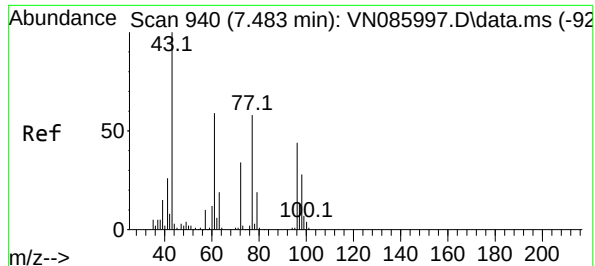
Tgt Ion: 77 Resp: 63430

Ion Ratio Lower Upper

77 100

97 21.2 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 18.573 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

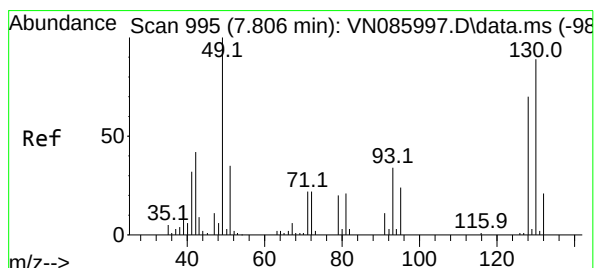
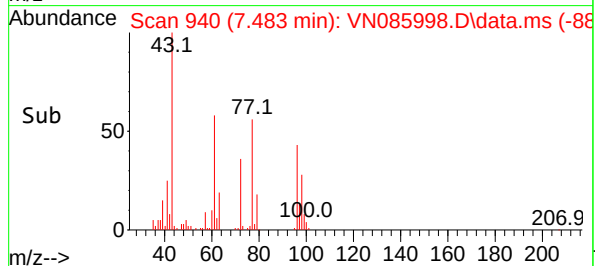
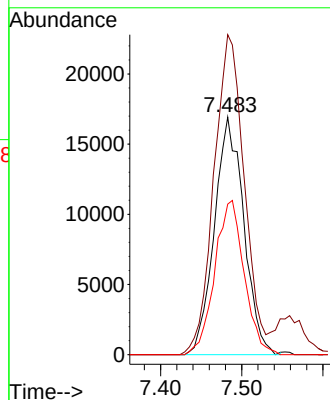
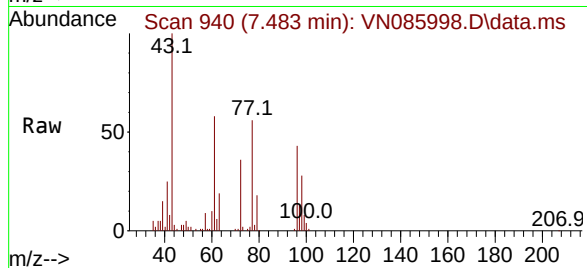
VSTDIC020

Tgt Ion:	96	Resp:	42598
Ion	Ratio	Lower	Upper
96	100		
61	138.5	0.0	272.8
98	65.0	0.0	124.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#28

Bromochloromethane

Concen: 18.755 ug/l

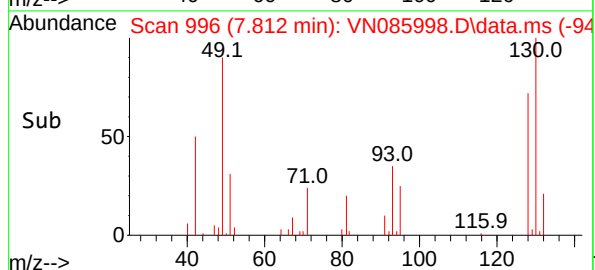
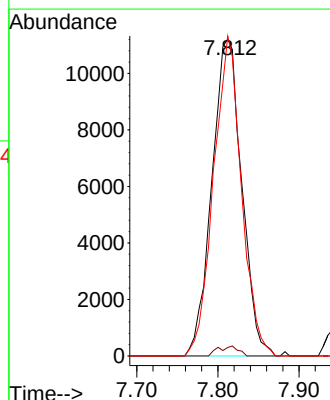
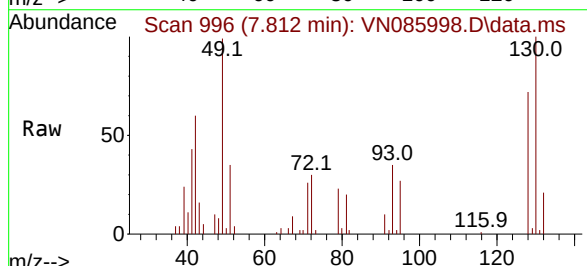
RT: 7.812 min Scan# 996

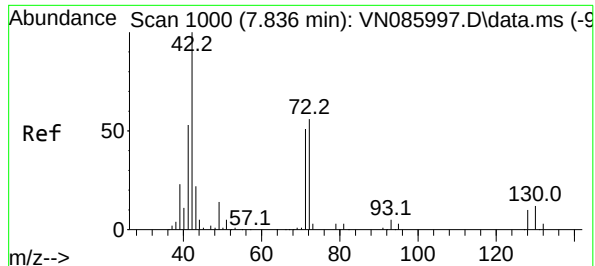
Delta R.T. 0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:	49	Resp:	28688
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	94.1	74.2	111.4





#29

Tetrahydrofuran

Concen: 98.119 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

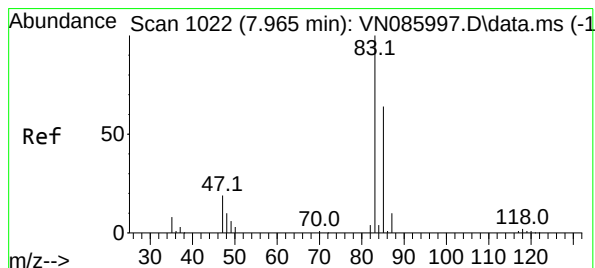
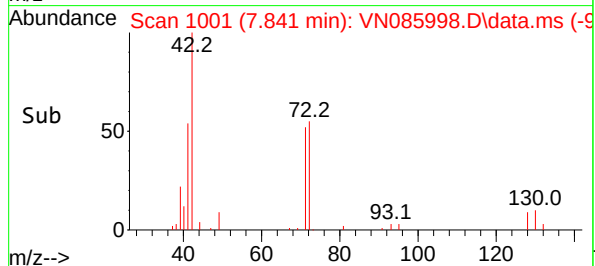
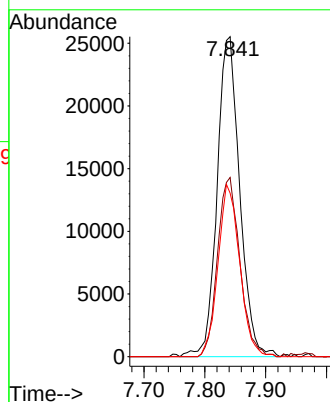
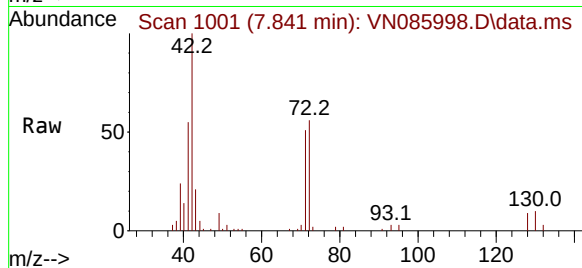
Tgt Ion:	42	Resp:	6591
Ion	Ratio	Lower	Upper
42	100		
72	55.4	45.0	67.4
71	51.6	41.9	62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 18.259 ug/l

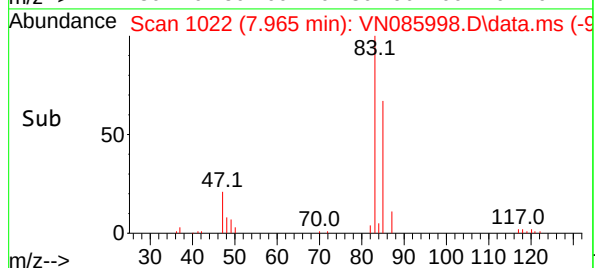
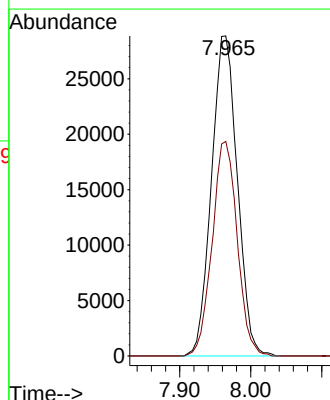
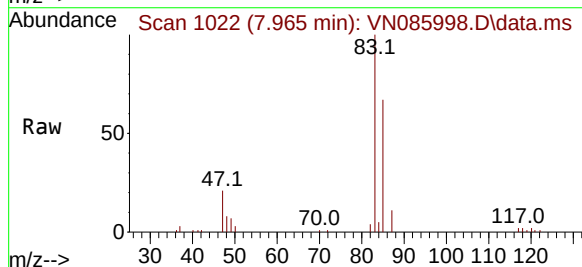
RT: 7.965 min Scan# 1022

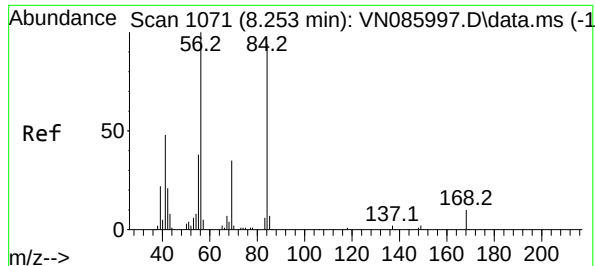
Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:	83	Resp:	72867
Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.5	77.3





#31

Cyclohexane

Concen: 17.940 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 55179

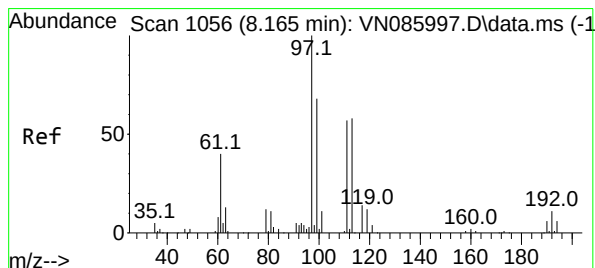
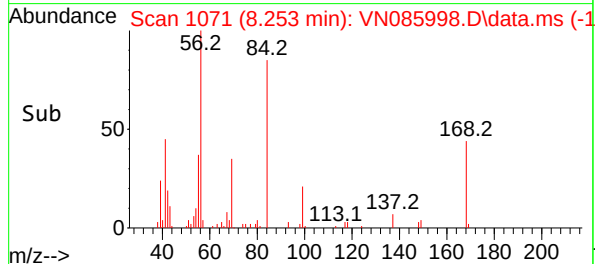
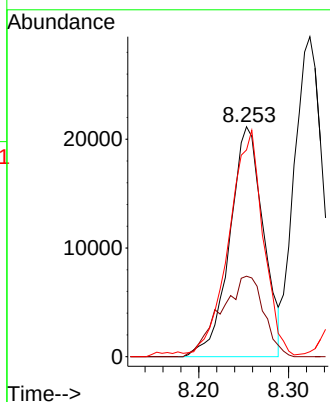
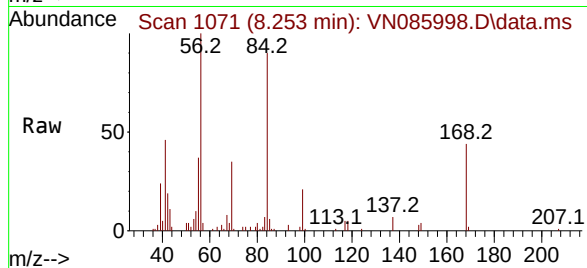
Ion	Ratio	Lower	Upper
56	100		
69	35.0	28.0	42.0
84	87.8	75.0	112.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#32

1,1,1-Trichloroethane

Concen: 18.369 ug/l

RT: 8.171 min Scan# 1057

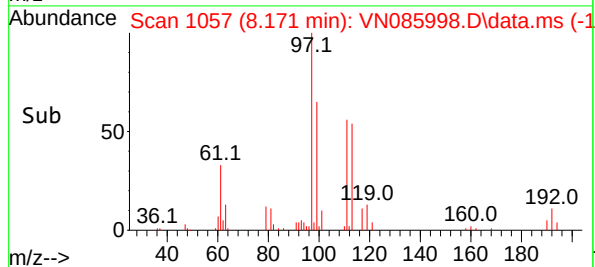
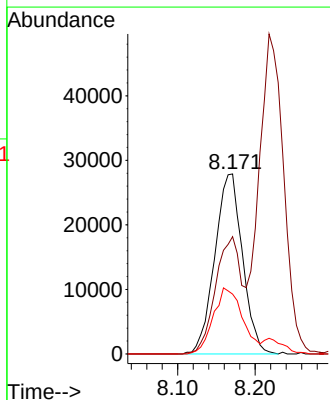
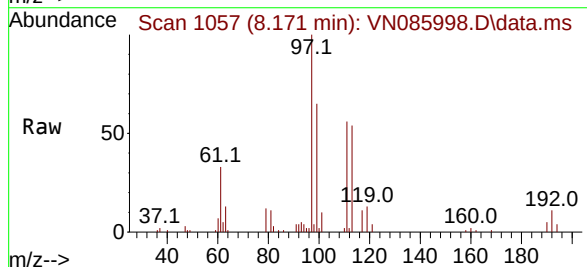
Delta R.T. 0.006 min

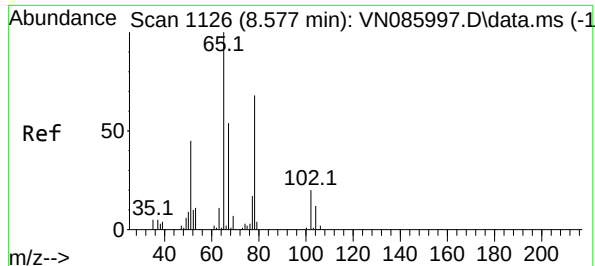
Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion: 97 Resp: 69390

Ion	Ratio	Lower	Upper
97	100		
99	62.3	52.8	79.2
61	38.9	33.6	50.4





#33

1,2-Dichloroethane-d4

Concen: 19.534 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 48218

Ion Ratio Lower Upper

65 100

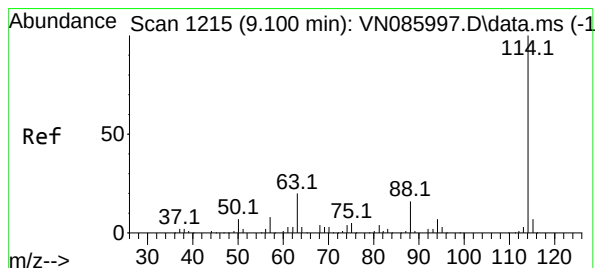
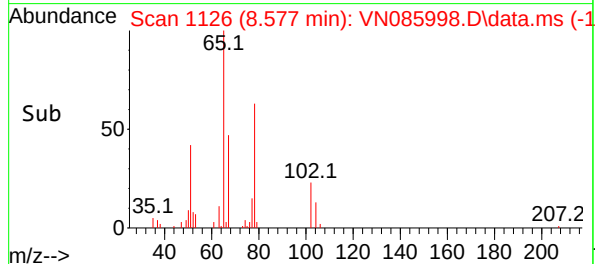
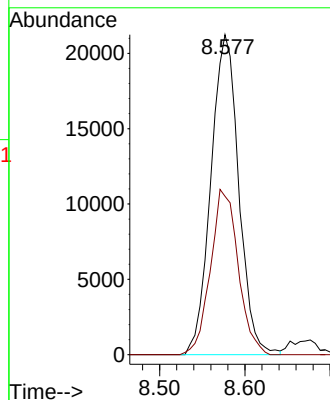
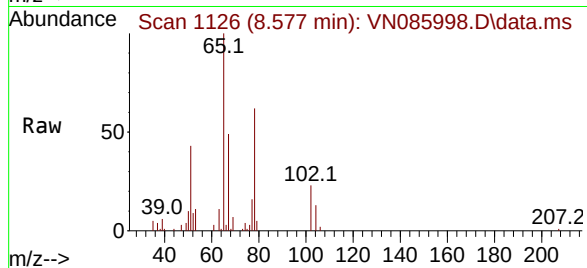
67 51.3 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

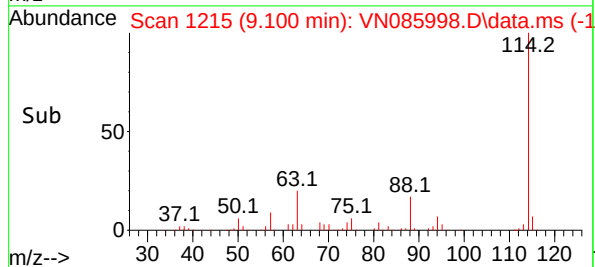
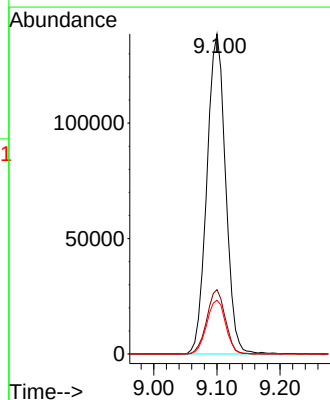
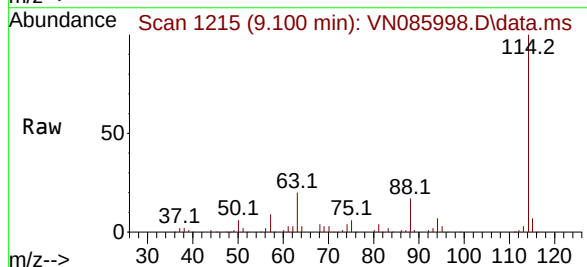
Tgt Ion:114 Resp: 284537

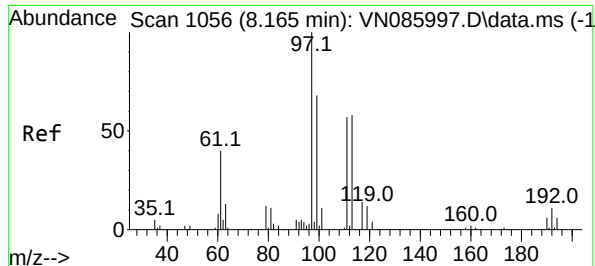
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 19.905 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:113 Resp: 3953

Ion Ratio Lower Upper

113 100

111 99.6 81.8 122.8

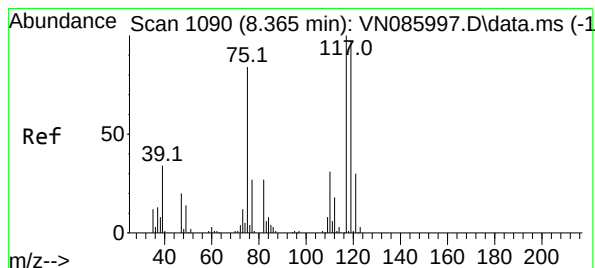
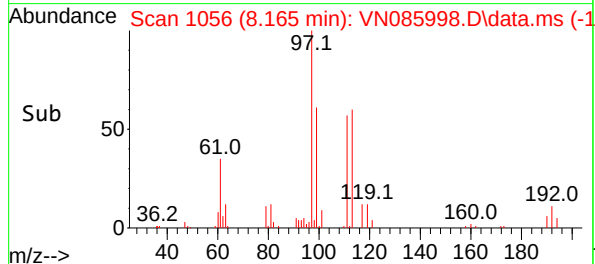
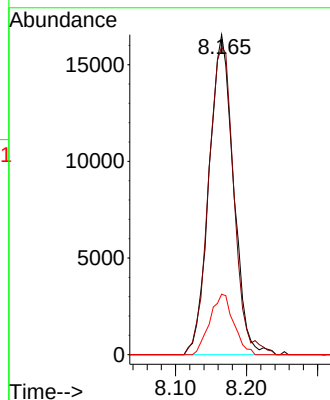
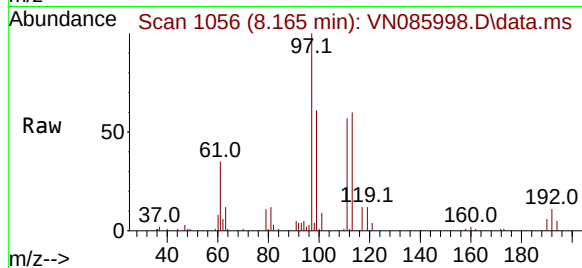
192 18.4 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#36

1,1-Dichloropropene

Concen: 18.317 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

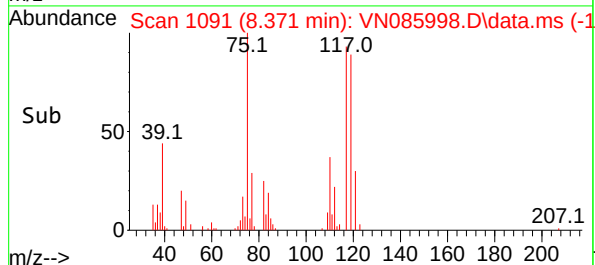
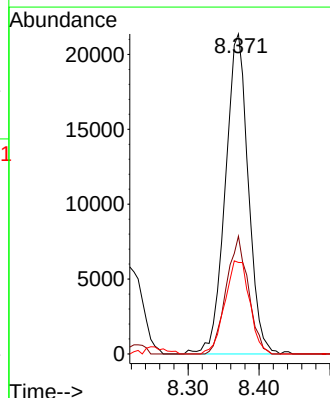
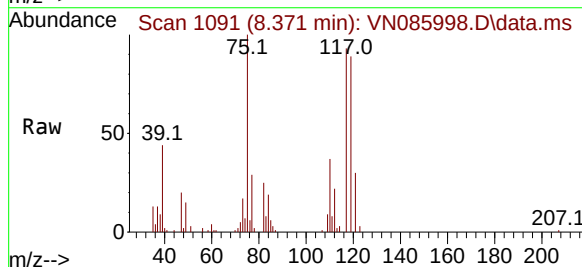
Tgt Ion: 75 Resp: 47900

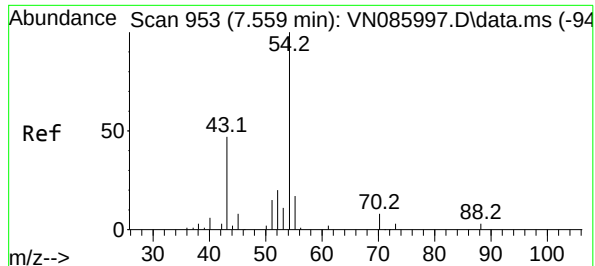
Ion Ratio Lower Upper

75 100

110 35.5 17.8 53.3

77 31.5 25.0 37.4





#37

Ethyl Acetate

Concen: 18.899 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

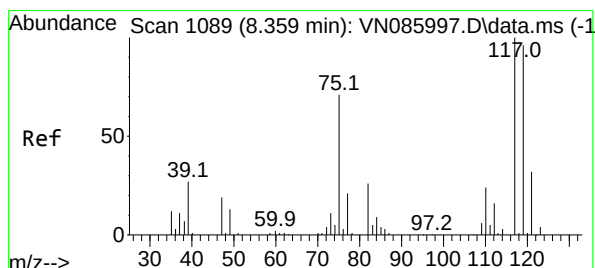
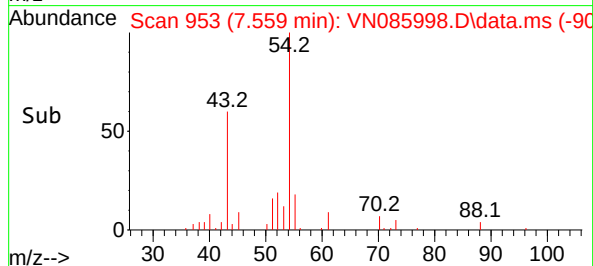
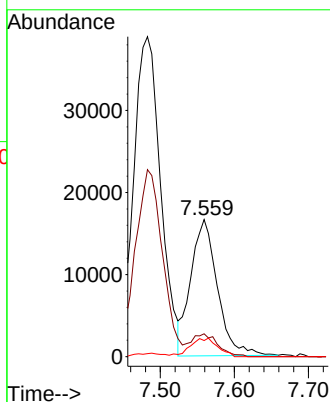
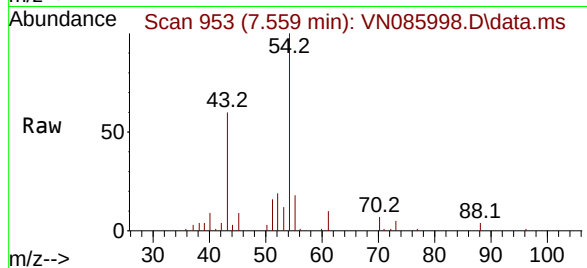
VSTDIC020

Tgt Ion: 43 Resp: 41690
Ion Ratio Lower Upper
43 100
61 15.9 13.0 19.4
70 13.9 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#38

Carbon Tetrachloride

Concen: 18.440 ug/l

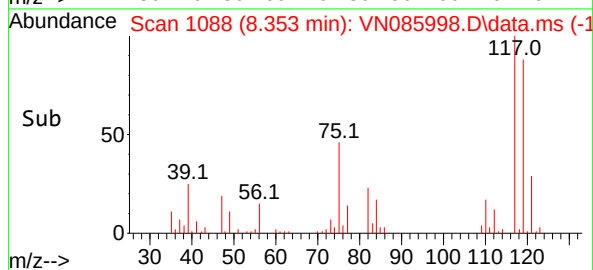
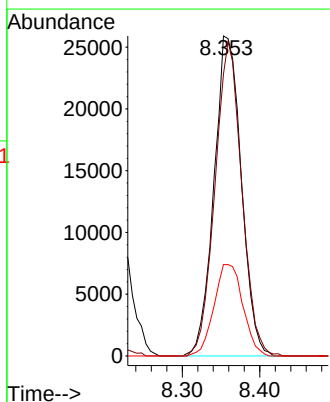
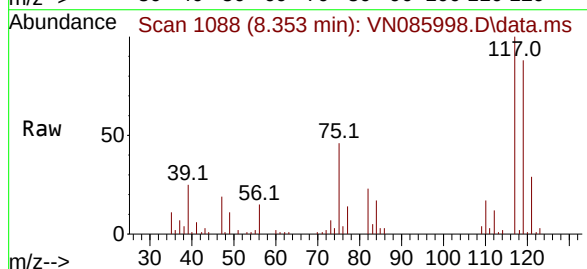
RT: 8.353 min Scan# 1088

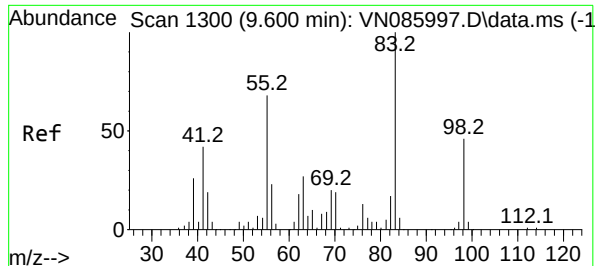
Delta R.T. -0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:117 Resp: 63404
Ion Ratio Lower Upper
117 100
119 88.1 77.0 115.4
121 28.6 25.6 38.4





#39

Methylcyclohexane

Concen: 18.359 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 4763

Ion Ratio Lower Upper

83 100

55 74.2 54.2 81.2

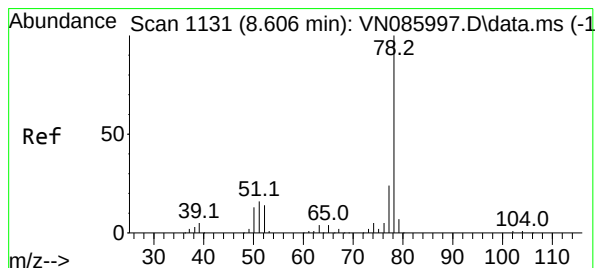
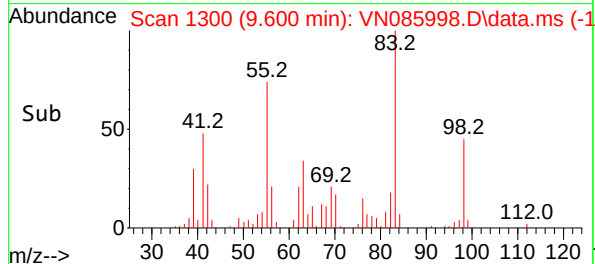
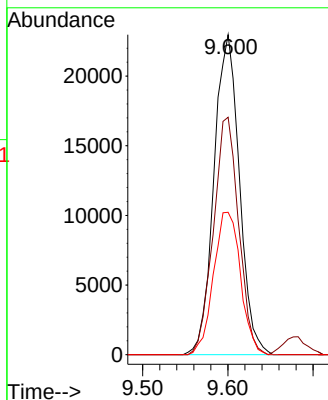
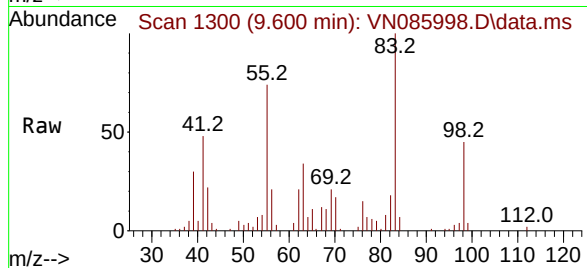
98 44.5 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#40

Benzene

Concen: 18.690 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN085998.D

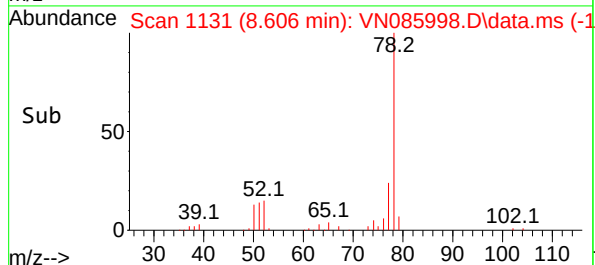
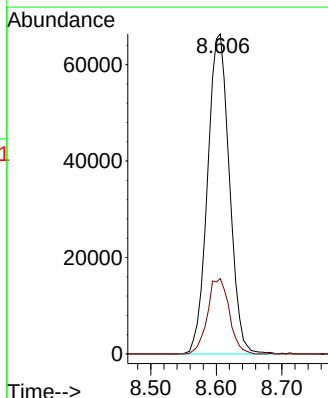
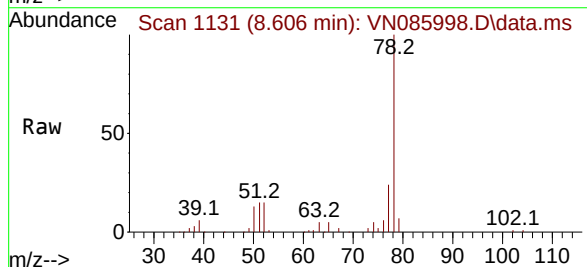
Acq: 18 Mar 2025 12:32

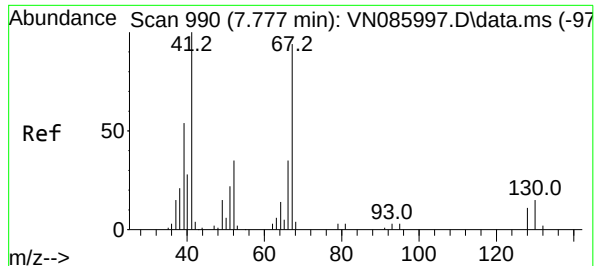
Tgt Ion: 78 Resp: 153432

Ion Ratio Lower Upper

78 100

77 23.5 18.9 28.3





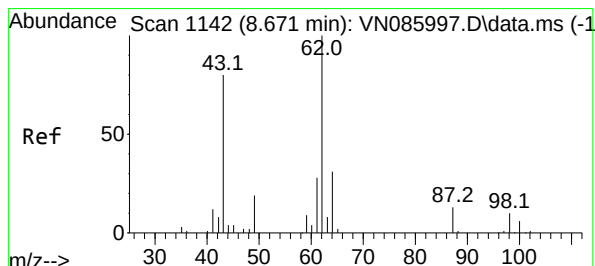
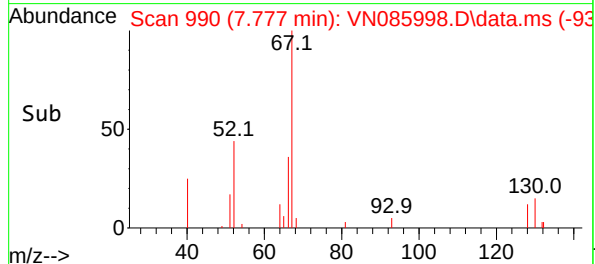
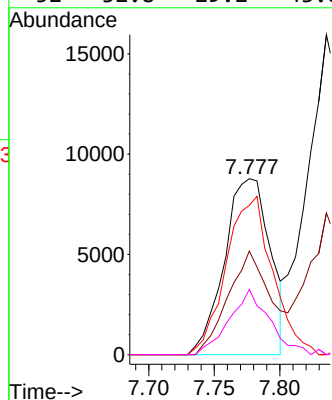
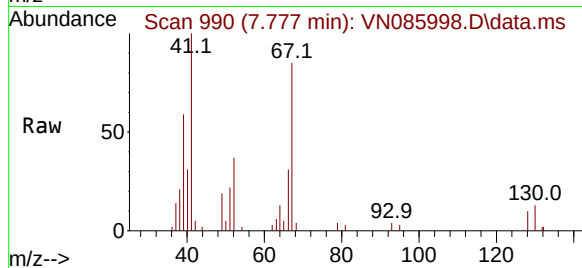
#41
Methacrylonitrile
Concen: 20.242 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Instrument :
MSVOA_N
Client Sample Id :
VSTDIC020

Tgt Ion: 41 Resp: 21324
Ion Ratio Lower Upper
41 100
39 55.7 46.2 69.2
67 91.0 75.9 113.9
52 32.8 29.2 43.8

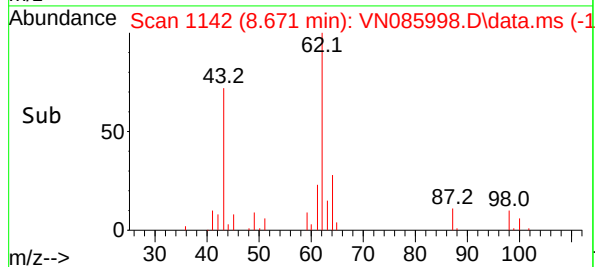
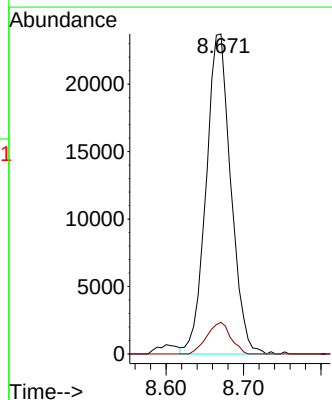
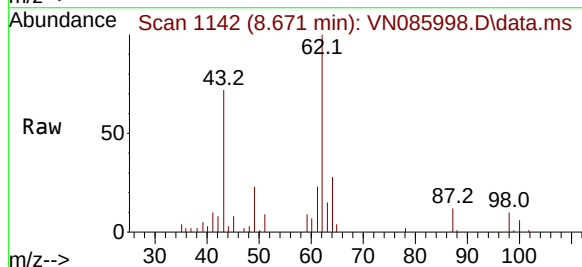
Manual Integrations
APPROVED

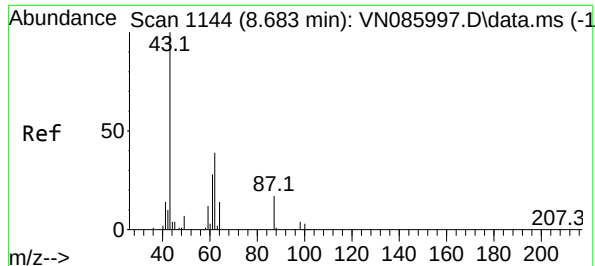
Reviewed By : John Carlone 03/19/2025
Supervised By : Mahesh Dadoda 03/19/2025



#42
1,2-Dichloroethane
Concen: 18.401 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 62 Resp: 52637
Ion Ratio Lower Upper
62 100
98 9.5 0.0 18.6





#43

Isopropyl Acetate

Concen: 18.838 ug/l m

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 9025

Ion Ratio Lower Upper

43 100

61 23.9 25.0 37.6

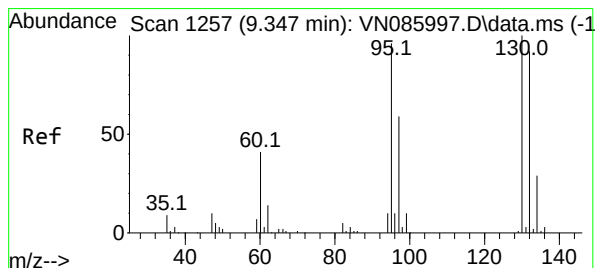
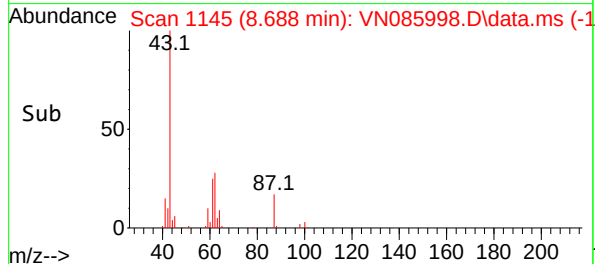
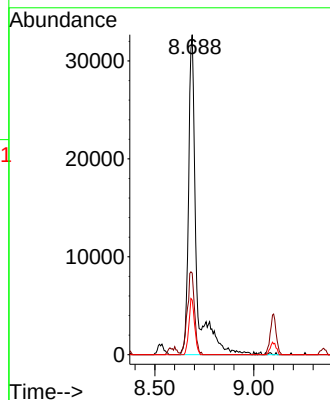
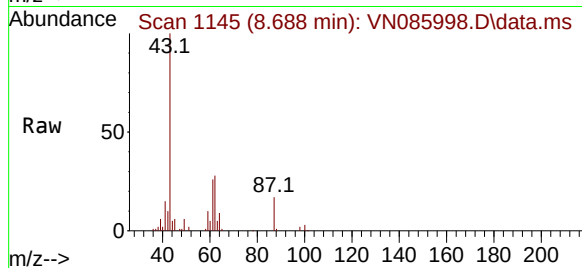
87 12.7 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#44

Trichloroethene

Concen: 17.906 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN085998.D

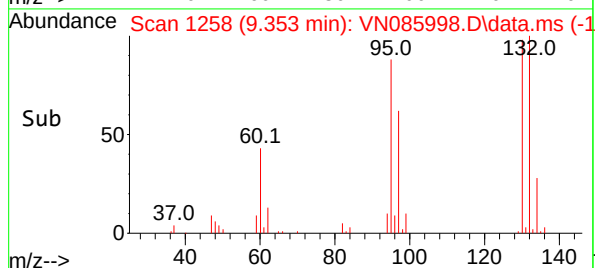
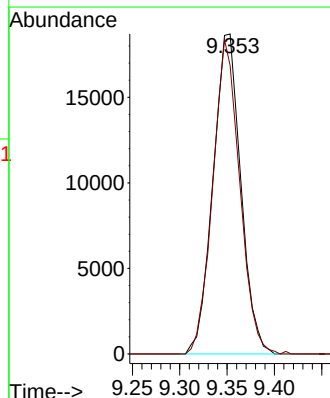
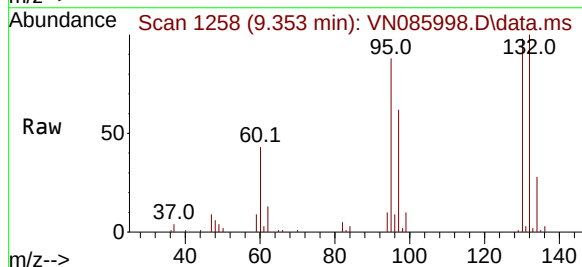
Acq: 18 Mar 2025 12:32

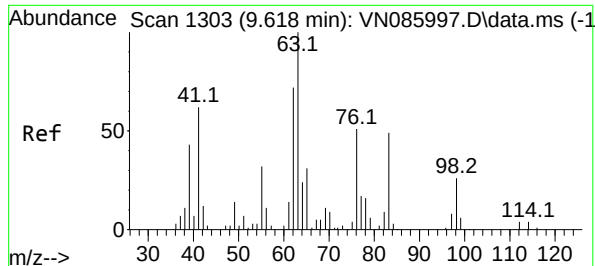
Tgt Ion:130 Resp: 38098

Ion Ratio Lower Upper

130 100

95 90.2 0.0 191.6





#45

1,2-Dichloropropane

Concen: 19.446 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 36309

Ion Ratio Lower Upper

63 100

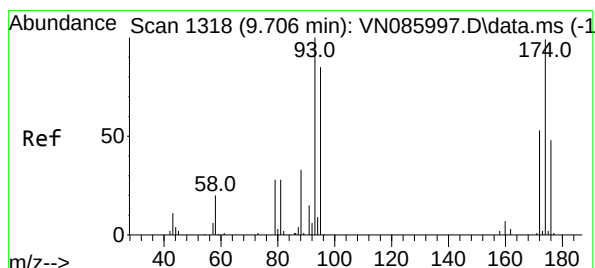
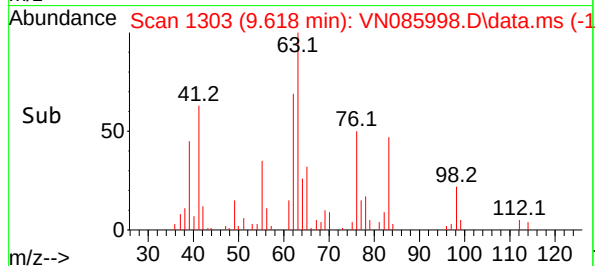
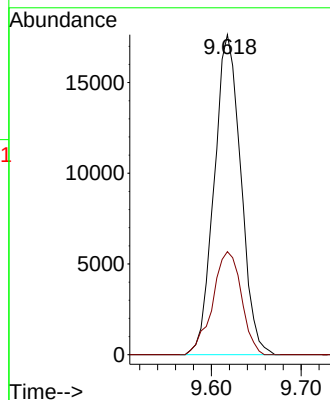
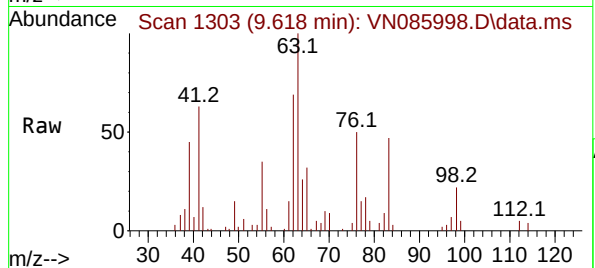
65 32.2 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#46

Dibromomethane

Concen: 18.123 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

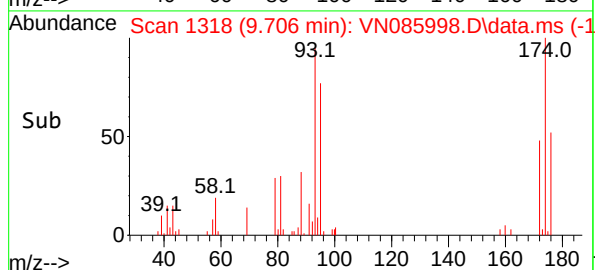
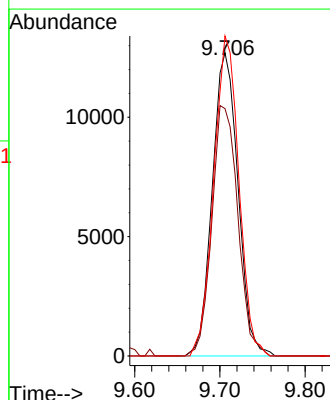
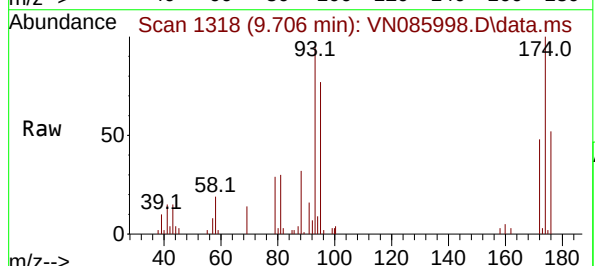
Tgt Ion: 93 Resp: 26612

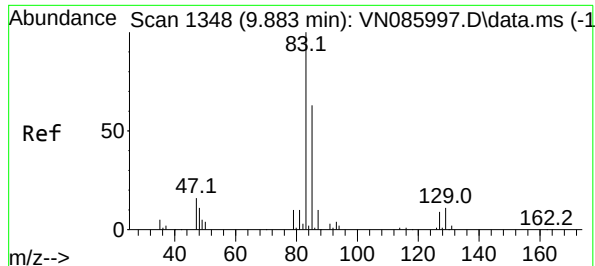
Ion Ratio Lower Upper

93 100

95 83.7 66.2 99.2

174 103.2 80.1 120.1





#47

Bromodichloromethane

Concen: 18.784 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

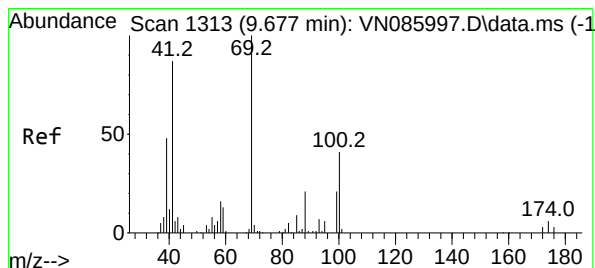
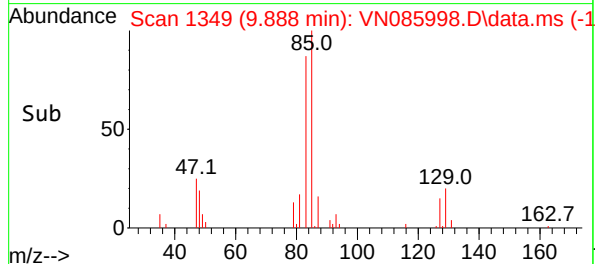
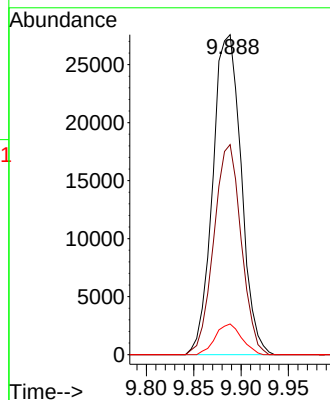
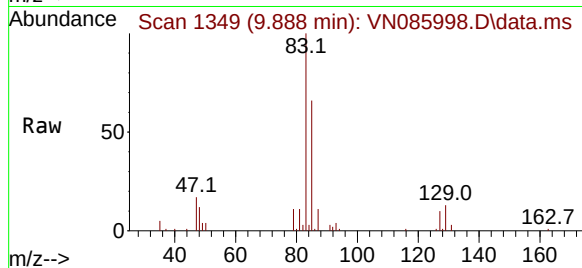
Tgt Ion:	83	Resp:	5764
Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.2	75.2
127	9.6	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#48

Methyl methacrylate

Concen: 19.354 ug/l

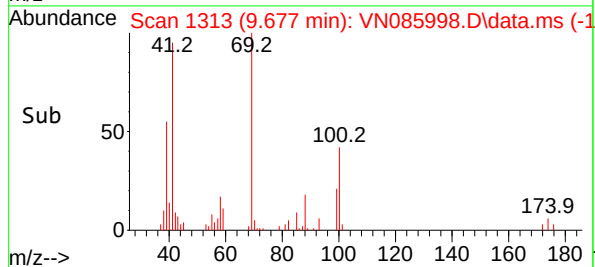
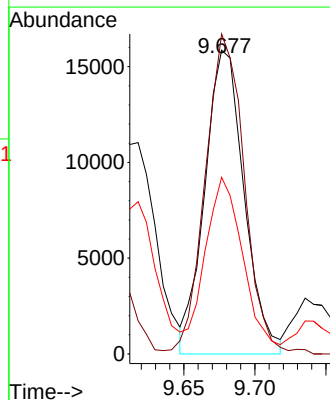
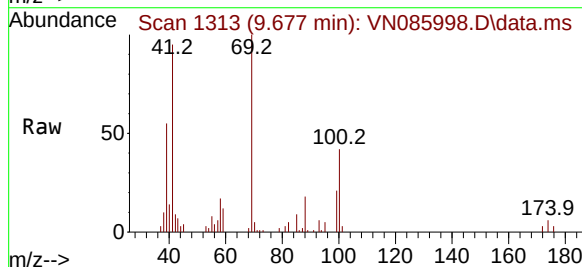
RT: 9.677 min Scan# 1313

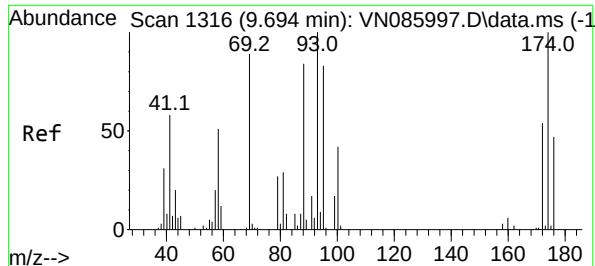
Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:	41	Resp:	30533
Ion	Ratio	Lower	Upper
41	100		
69	104.7	83.1	124.7
39	56.9	45.6	68.4





#49

1,4-Dioxane

Concen: 377.006 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 88 Resp: 14060

Ion Ratio Lower Upper

88 100

43 22.6 21.7 32.5

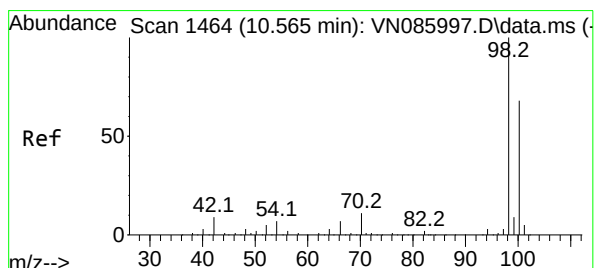
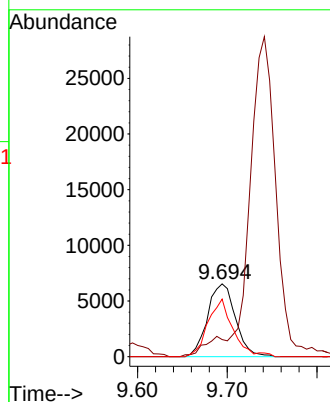
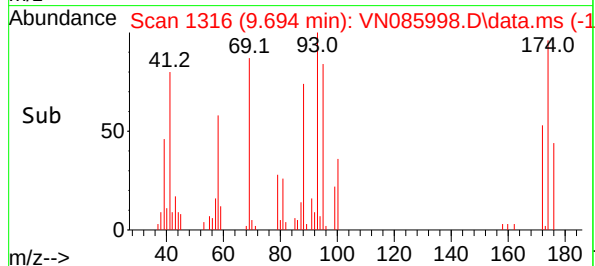
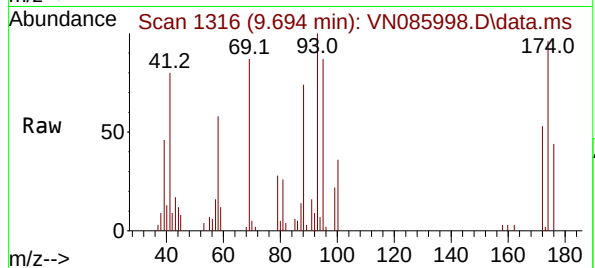
58 71.7 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#50

Toluene-d8

Concen: 19.783 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085998.D

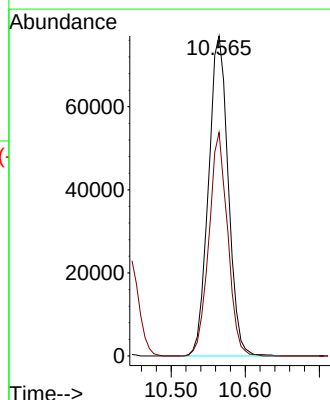
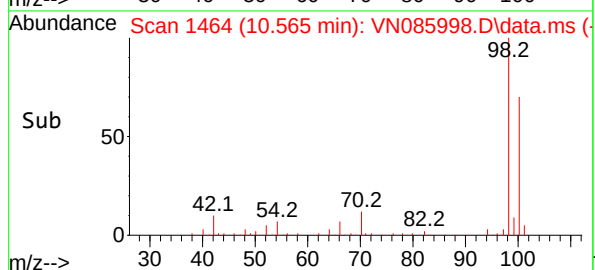
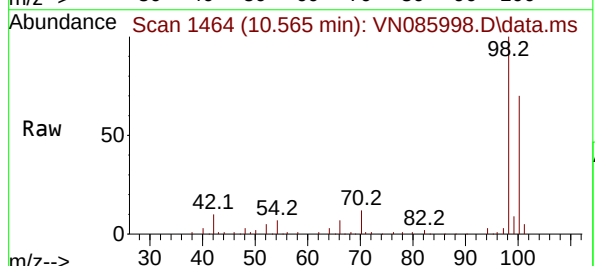
Acq: 18 Mar 2025 12:32

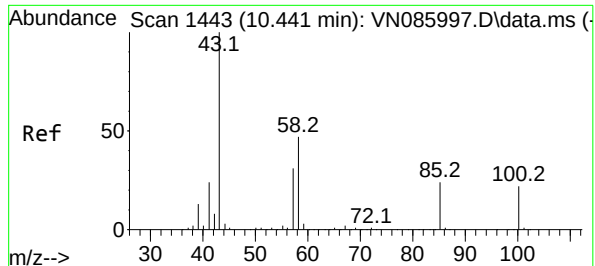
Tgt Ion: 98 Resp: 142597

Ion Ratio Lower Upper

98 100

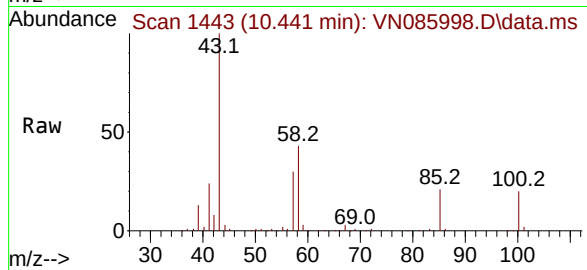
100 66.3 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 99.344 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

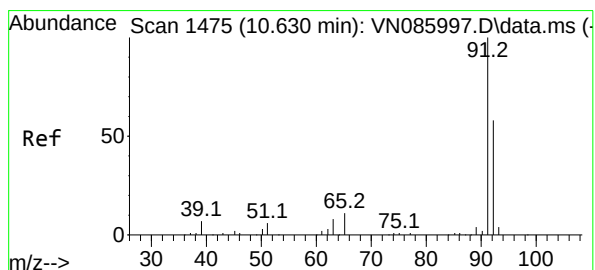
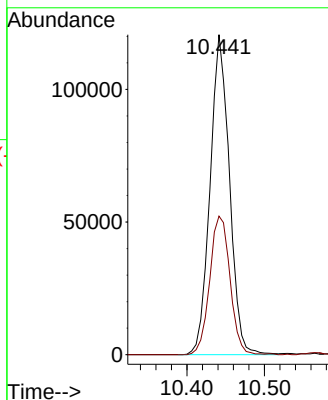
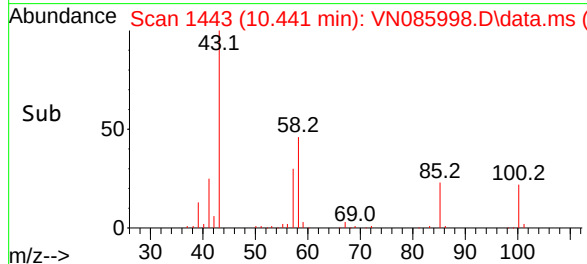
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 209460
Ion Ratio Lower Upper
43 100
58 45.4 37.4 56.0

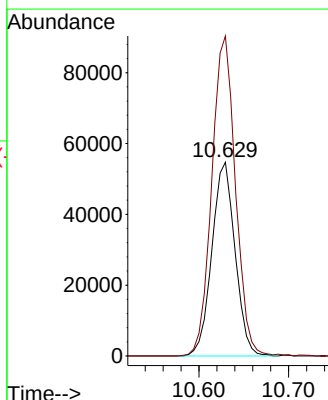
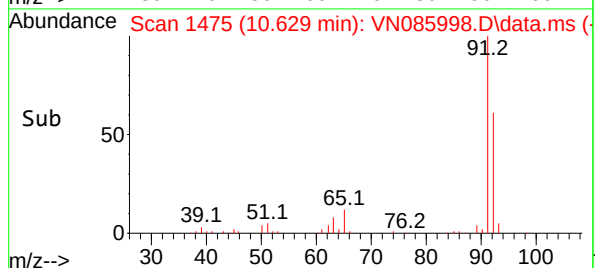
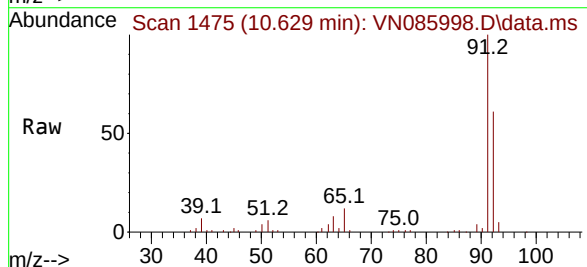
Manual Integrations
APPROVED

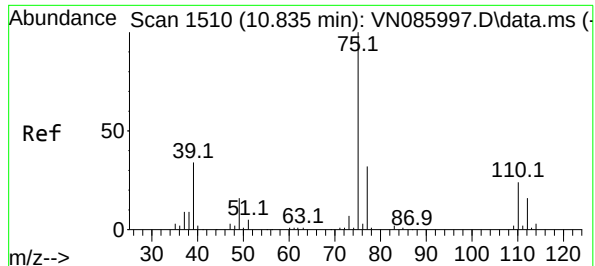
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#52
Toluene
Concen: 19.476 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

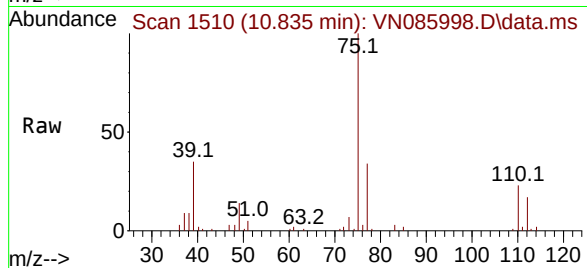
Tgt Ion: 92 Resp: 98133
Ion Ratio Lower Upper
92 100
91 168.7 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 19.253 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

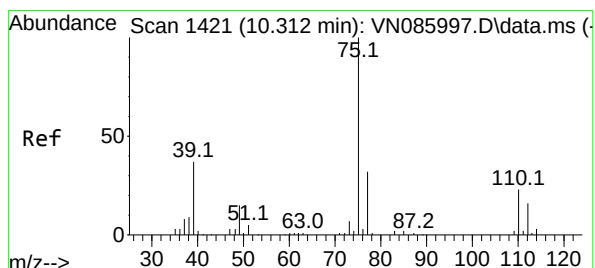
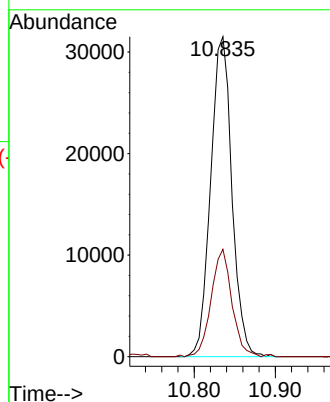
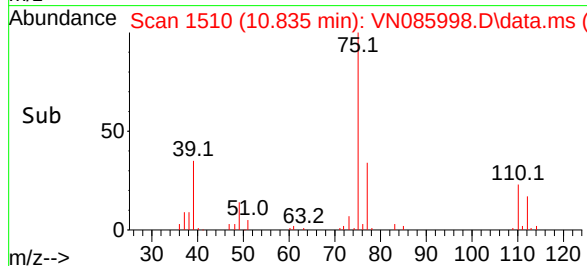
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 75 Resp: 57384
Ion Ratio Lower Upper
75 100
77 33.6 25.3 37.9

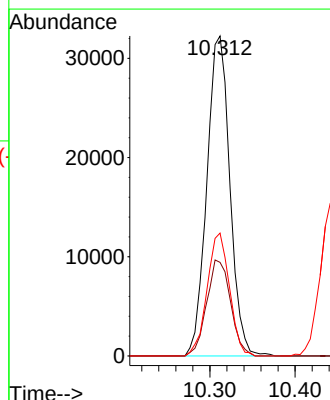
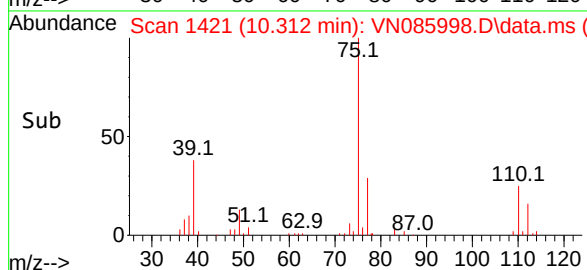
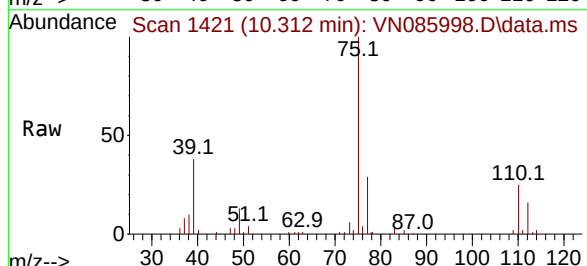
Manual Integrations
APPROVED

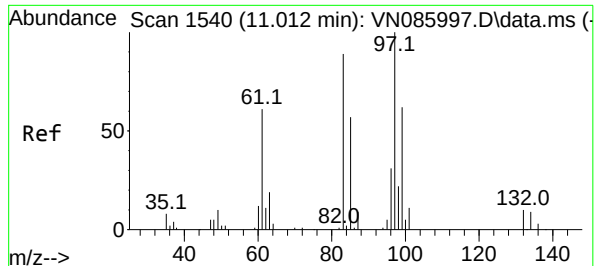
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#54
cis-1,3-Dichloropropene
Concen: 19.278 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

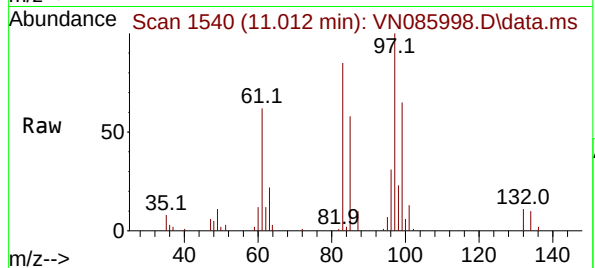
Tgt Ion: 75 Resp: 60620
Ion Ratio Lower Upper
75 100
77 29.3 25.3 37.9
39 38.4 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 18.716 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

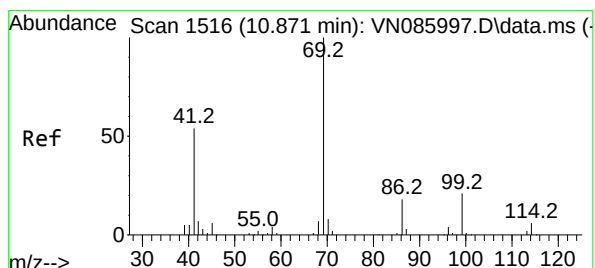
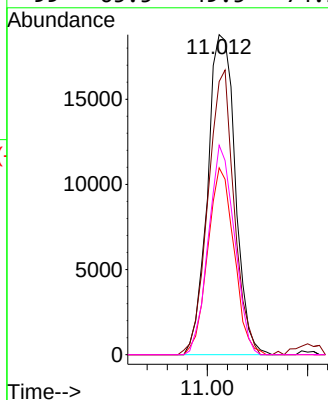
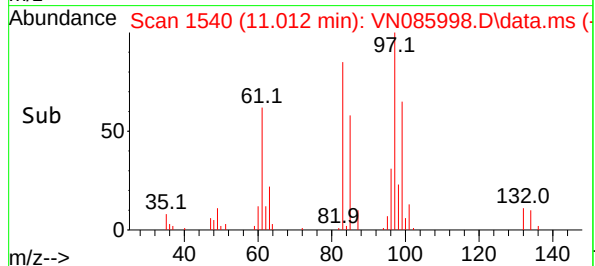
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.4	71.2	106.8
85	58.4	45.4	68.0
99	65.5	49.5	74.3

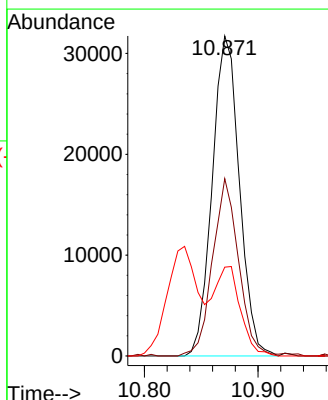
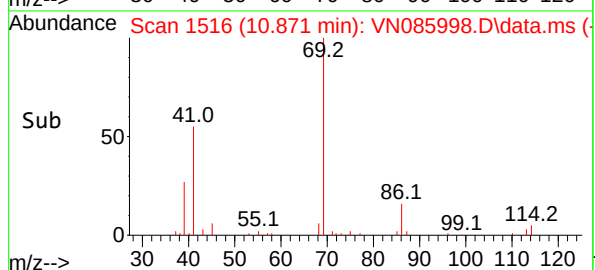
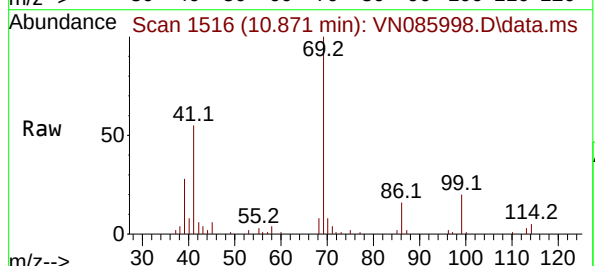
Manual Integrations
APPROVED

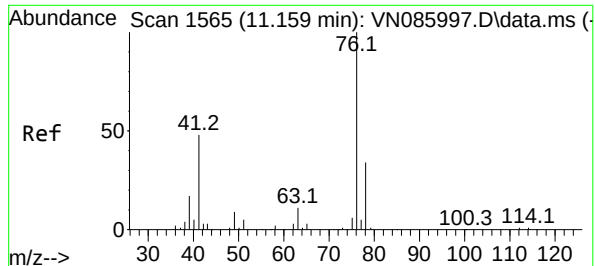
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#56
Ethyl methacrylate
Concen: 20.039 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	53.0	41.6	62.4
39	27.8	21.8	32.8





#57

1,3-Dichloropropane

Concen: 18.788 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 61369

Ion Ratio Lower Upper

76 100

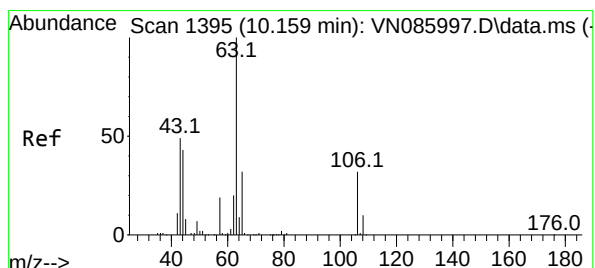
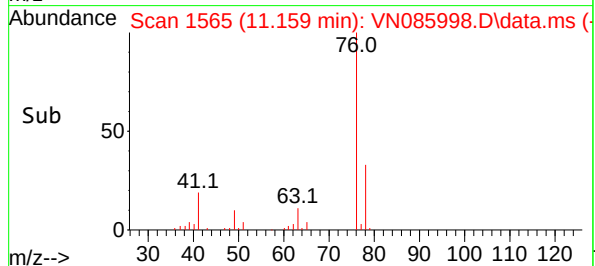
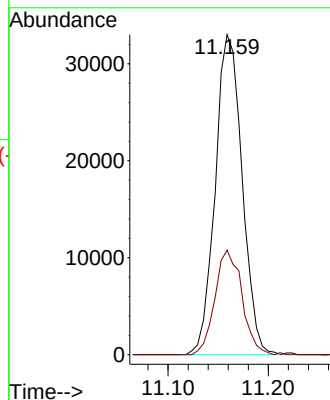
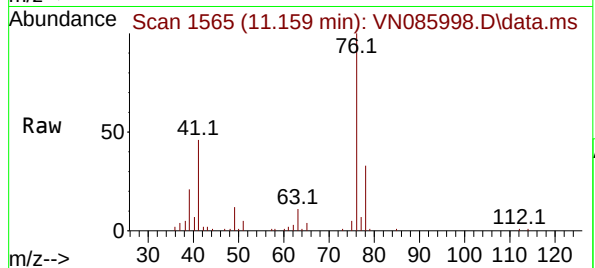
78 32.9 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 69.674 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085998.D

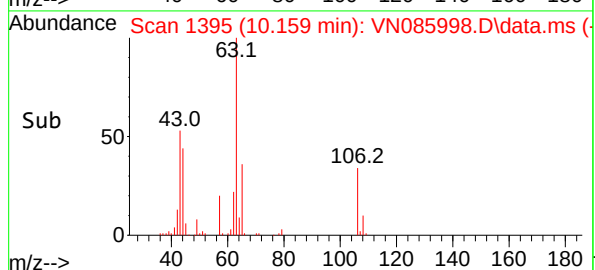
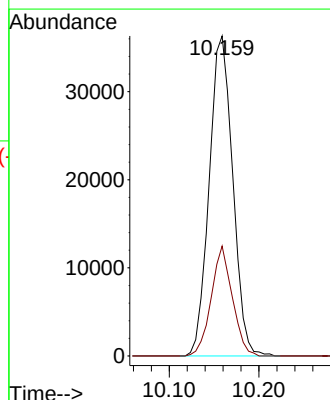
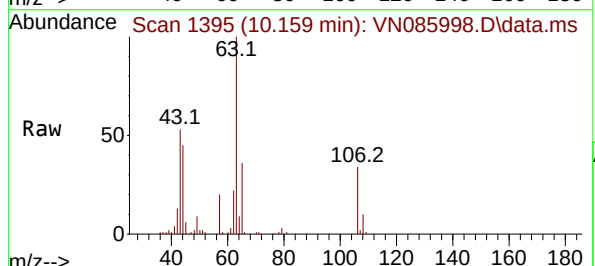
Acq: 18 Mar 2025 12:32

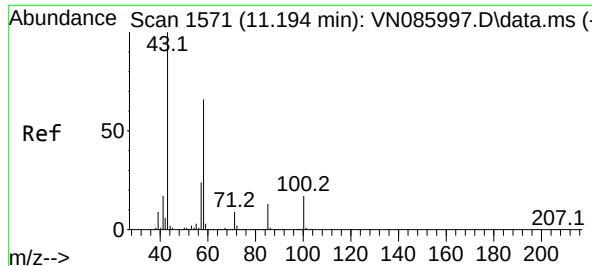
Tgt Ion: 63 Resp: 66141

Ion Ratio Lower Upper

63 100

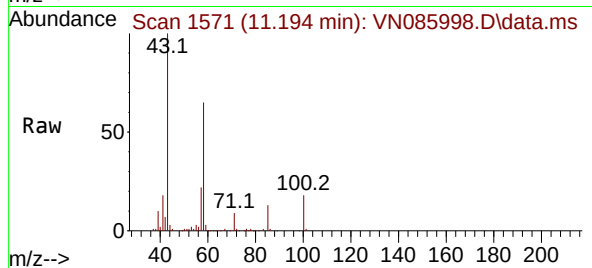
106 30.8 25.0 37.6





#59
2-Hexanone
Concen: 99.554 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

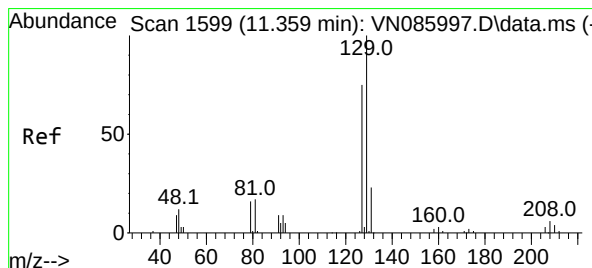
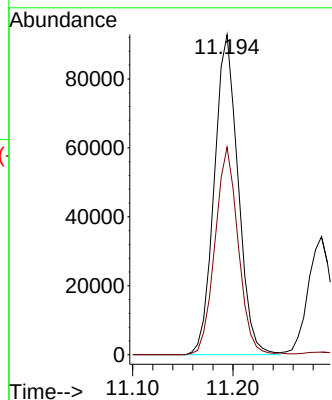
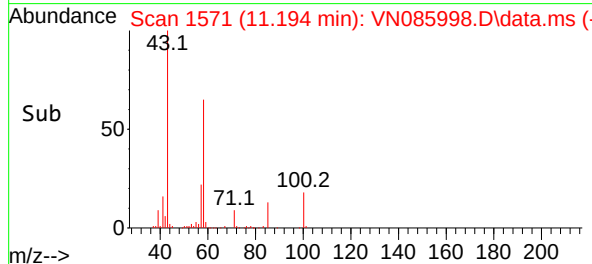
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 152912
Ion Ratio Lower Upper
43 100
58 63.2 32.4 97.2

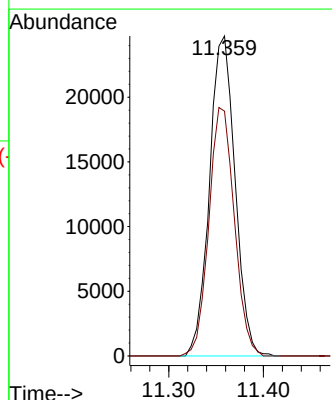
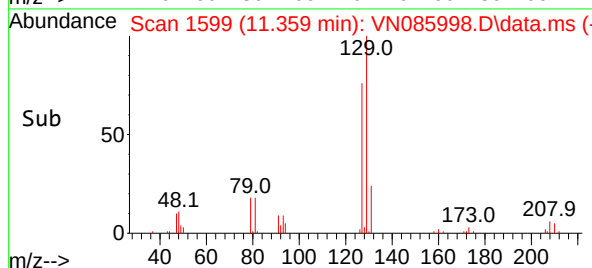
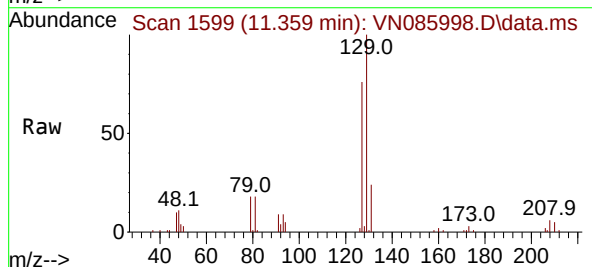
Manual Integrations
APPROVED

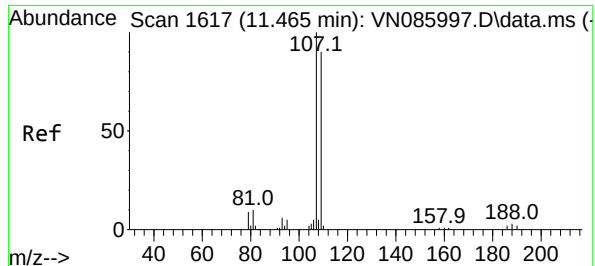
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#60
Dibromochloromethane
Concen: 18.701 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

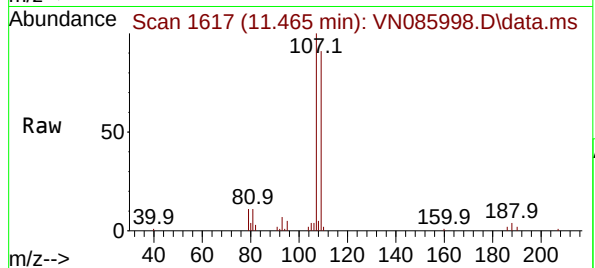
Tgt Ion:129 Resp: 46407
Ion Ratio Lower Upper
129 100
127 77.3 37.8 113.4





#61
1,2-Dibromoethane
Concen: 18.777 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

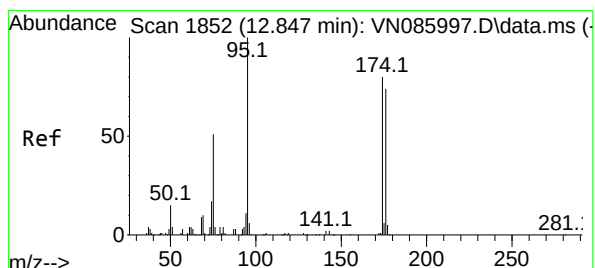
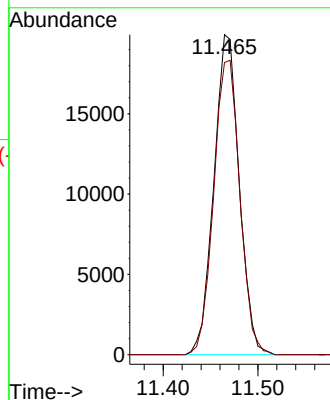
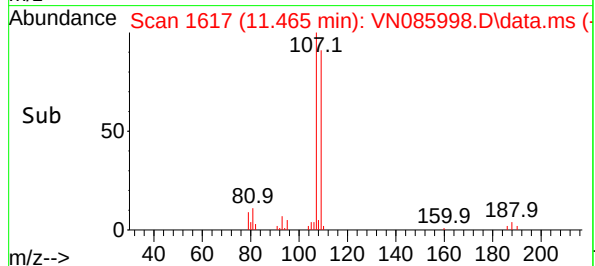
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:107 Resp: 3707
Ion Ratio Lower Upper
107 100
109 94.8 73.3 109.9

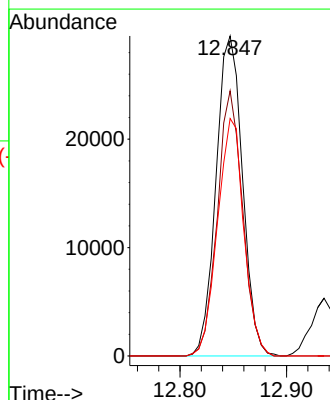
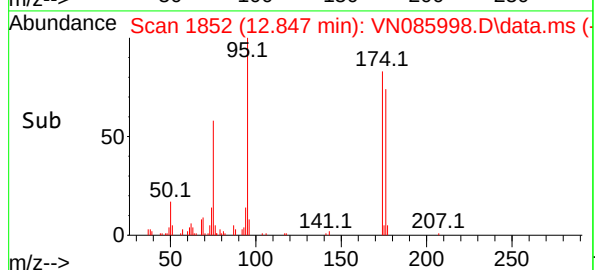
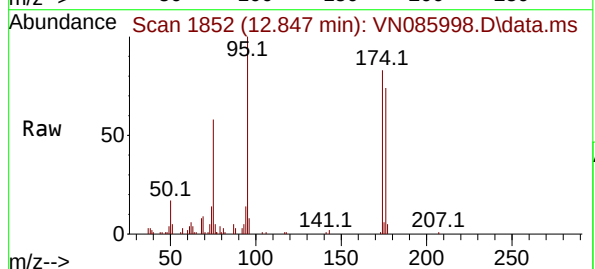
Manual Integrations
APPROVED

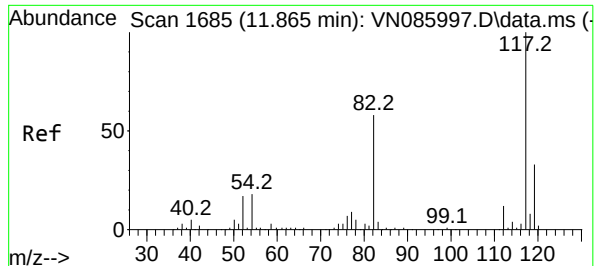
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#62
4-Bromofluorobenzene
Concen: 19.799 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 95 Resp: 50895
Ion Ratio Lower Upper
95 100
174 79.0 0.0 156.8
176 73.9 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:117 Resp: 25168

Ion Ratio Lower Upper

117 100

82 56.1 46.7 70.1

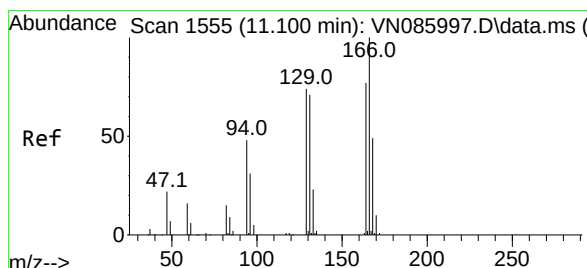
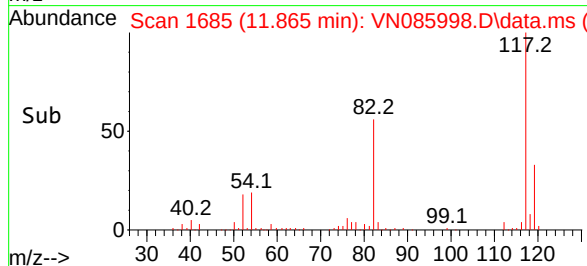
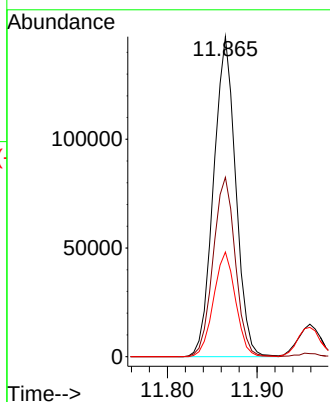
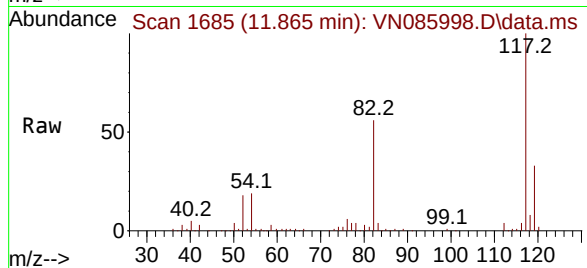
119 32.7 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#64

Tetrachloroethene

Concen: 18.572 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:164 Resp: 37287

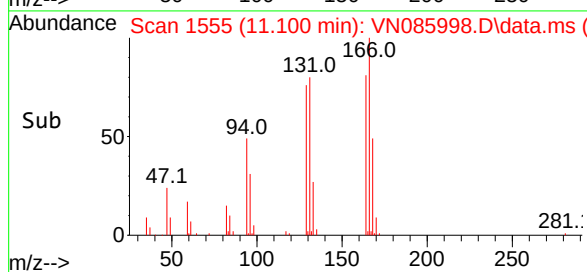
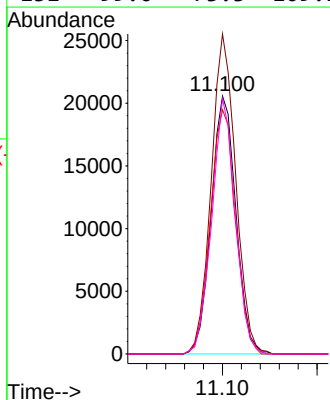
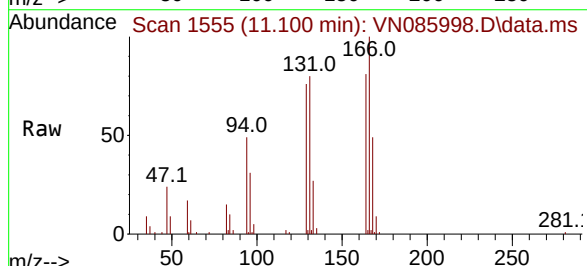
Ion Ratio Lower Upper

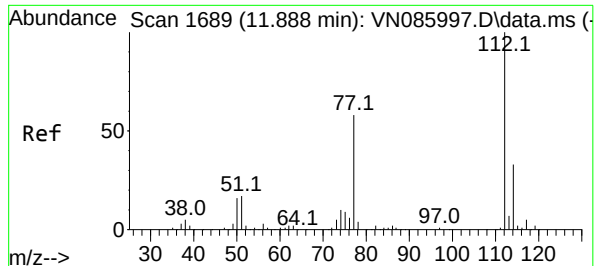
164 100

166 124.1 103.7 155.5

129 94.7 77.1 115.7

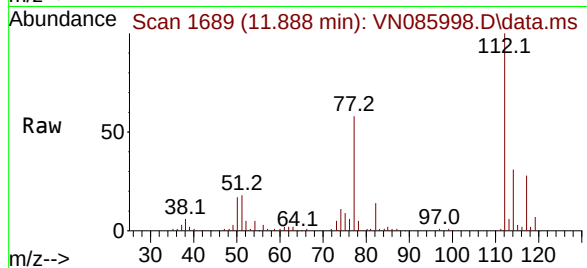
131 99.0 73.3 109.9





#65
Chlorobenzene
Concen: 18.708 ug/l
RT: 11.888 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

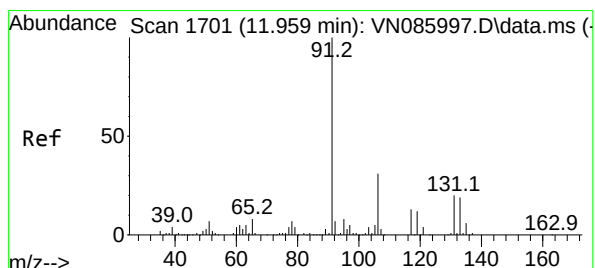
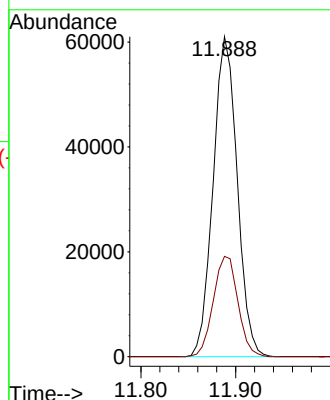
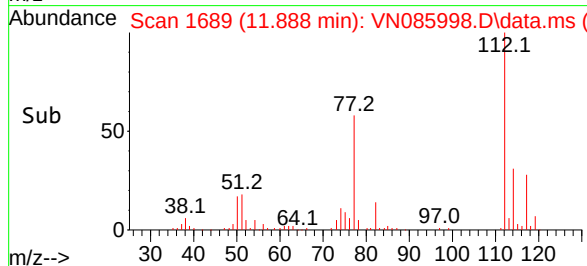
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion:112 Resp: 10774
Ion Ratio Lower Upper
112 100
114 31.4 26.3 39.5

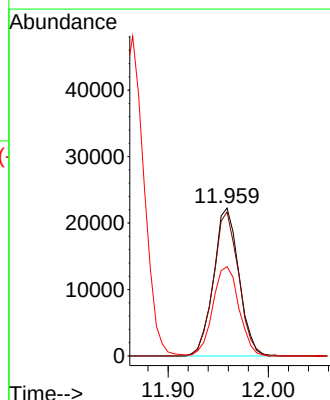
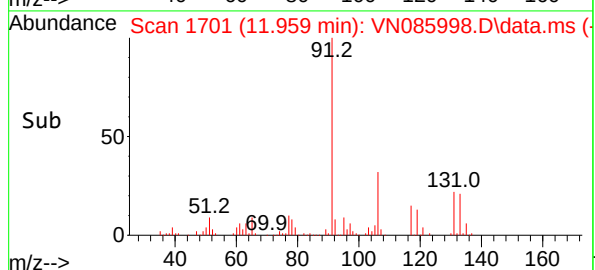
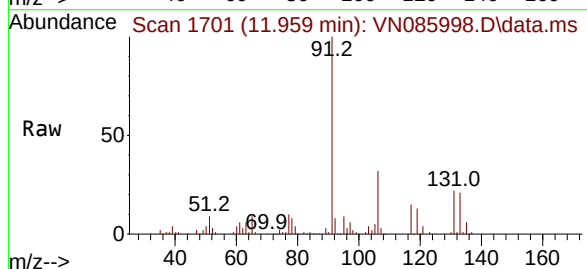
Manual Integrations
APPROVED

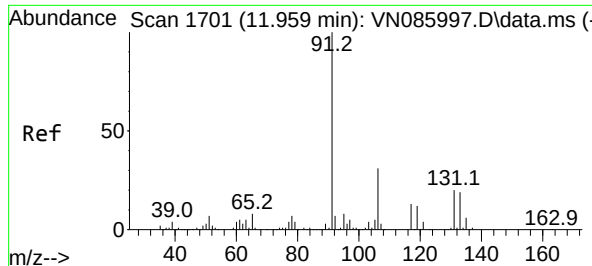
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 18.264 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion:131 Resp: 39102
Ion Ratio Lower Upper
131 100
133 96.4 47.0 141.0
119 62.1 31.4 94.0





#67

Ethyl Benzene

Concen: 19.060 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 175592

Ion Ratio Lower Upper

91 100

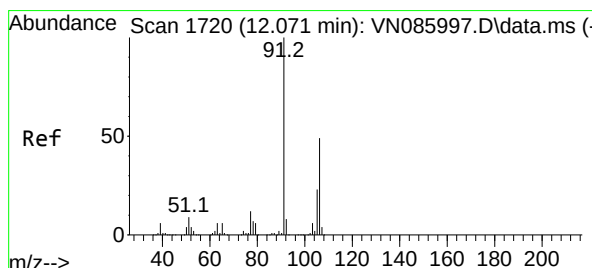
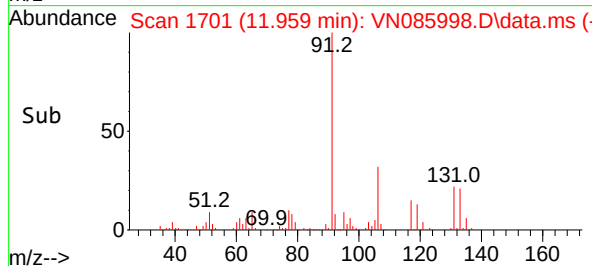
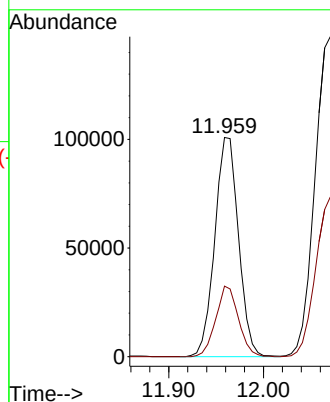
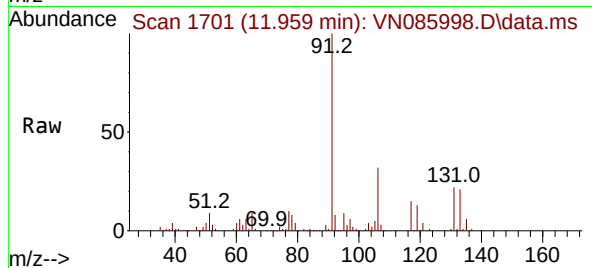
106 32.2 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#68

m/p-Xylenes

Concen: 38.948 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085998.D

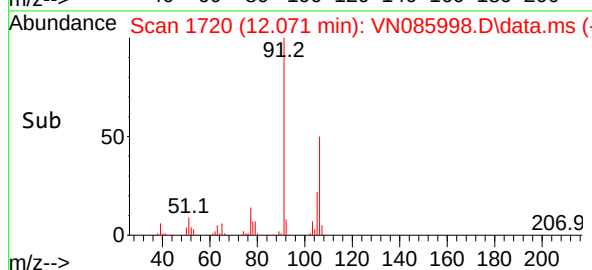
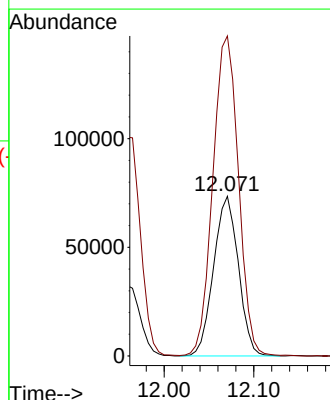
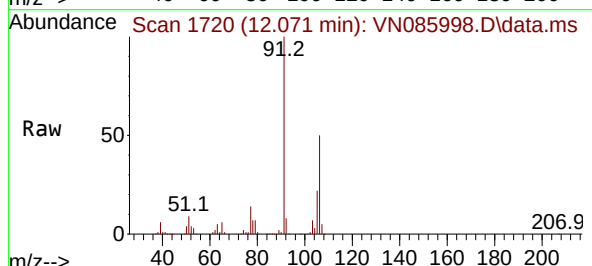
Acq: 18 Mar 2025 12:32

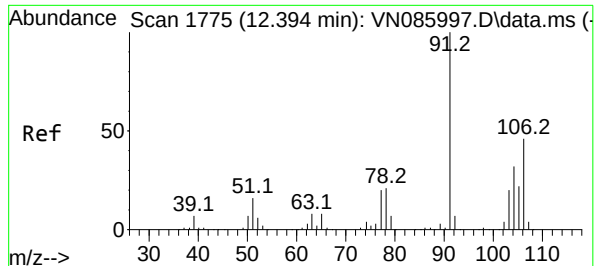
Tgt Ion:106 Resp: 141029

Ion Ratio Lower Upper

106 100

91 206.8 163.9 245.9





#69

o-Xylene

Concen: 19.853 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 65978

Ion Ratio Lower Upper

106 100

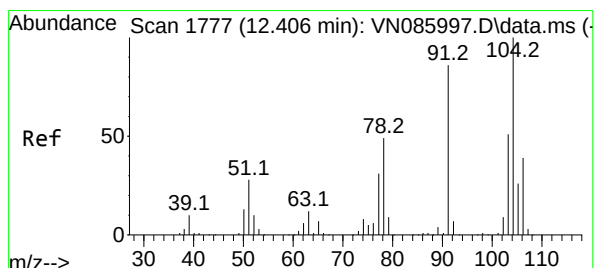
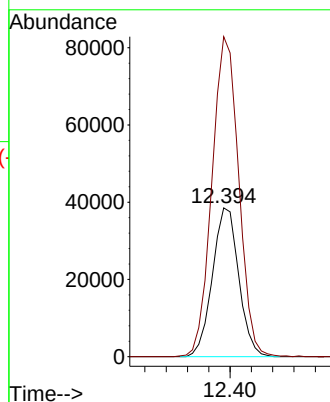
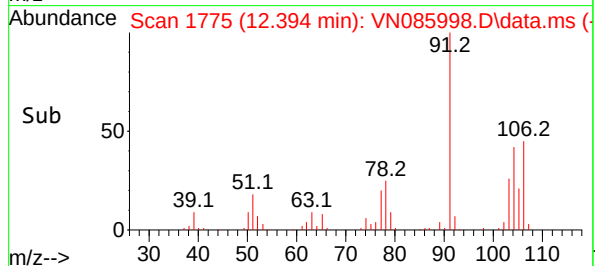
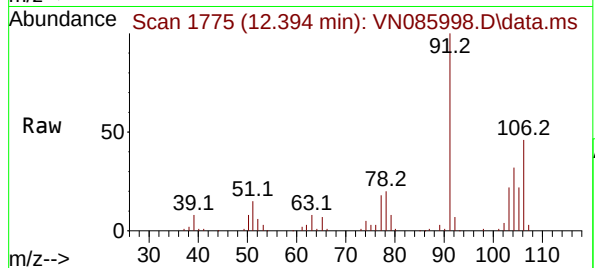
91 219.1 109.1 327.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#70

Styrene

Concen: 19.780 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

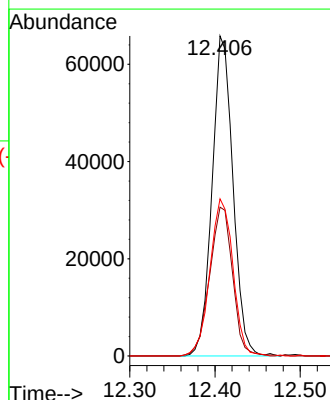
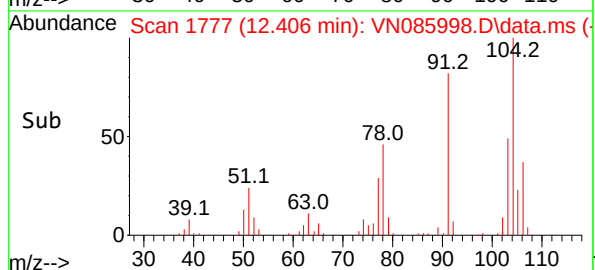
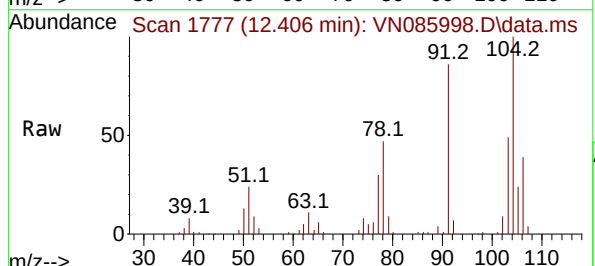
Tgt Ion:104 Resp: 112279

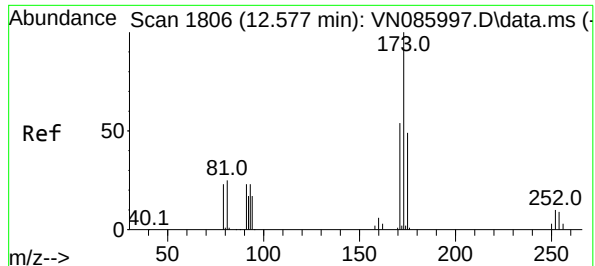
Ion Ratio Lower Upper

104 100

78 50.9 41.4 62.2

103 54.1 42.9 64.3





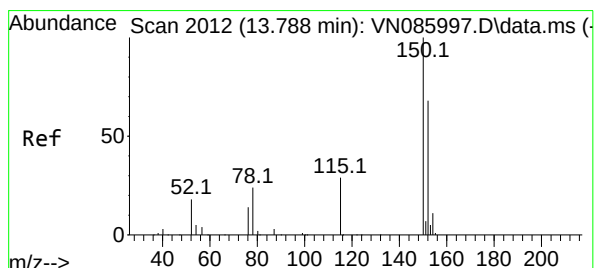
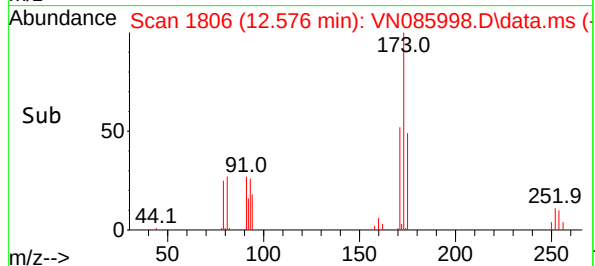
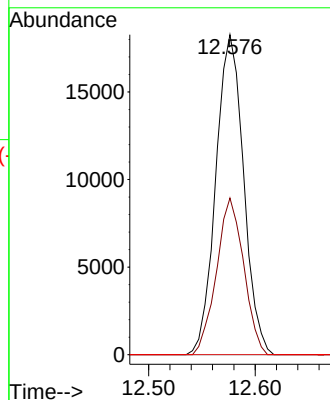
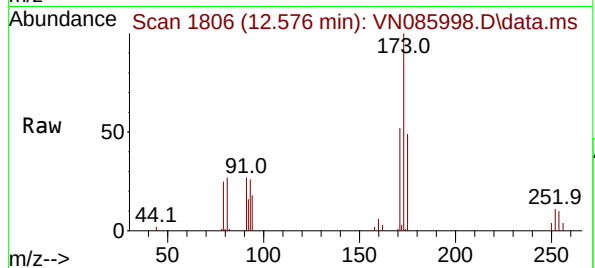
#71
Bromoform
Concen: 18.487 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:173 Resp: 33080
Ion Ratio Lower Upper
173 100
175 47.9 24.3 73.0
254 0.0 0.0 0.0

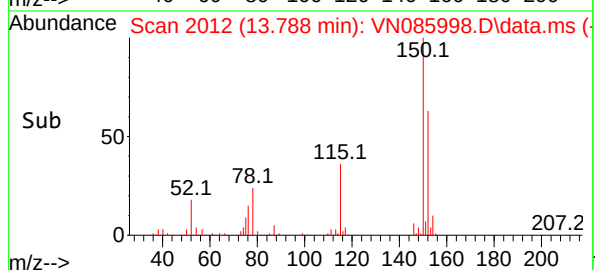
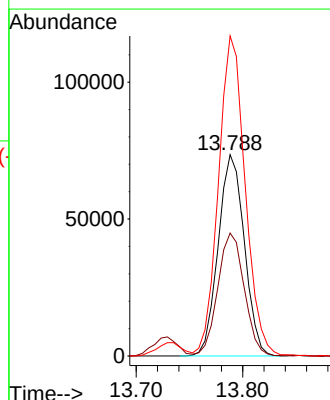
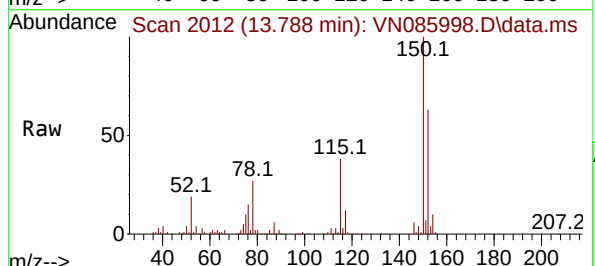
Manual Integrations
APPROVED

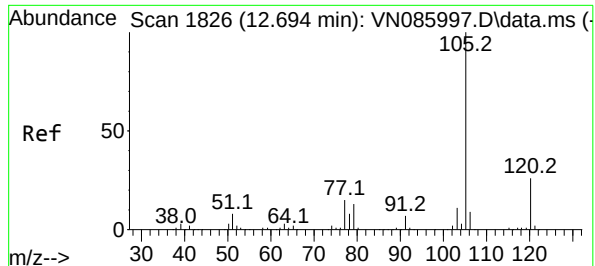
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

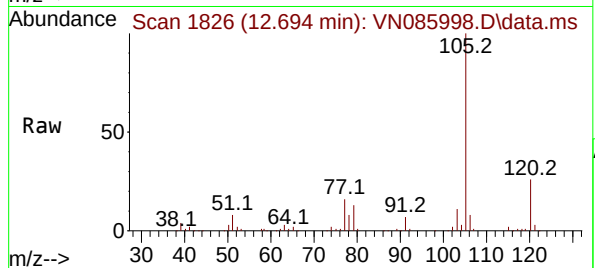
Tgt Ion:152 Resp: 125230
Ion Ratio Lower Upper
152 100
115 61.8 31.1 93.2
150 162.6 0.0 359.6





#73
Isopropylbenzene
Concen: 19.041 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

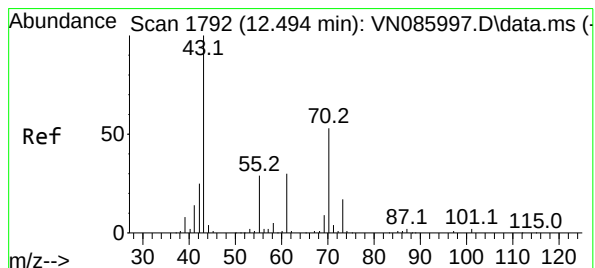
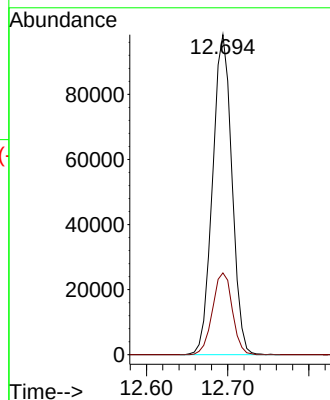
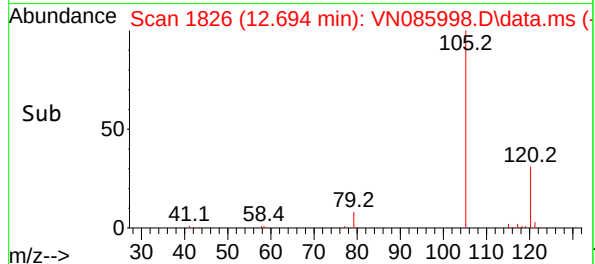
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 162838
Ion Ratio Lower Upper
105 100
120 26.1 13.0 39.0

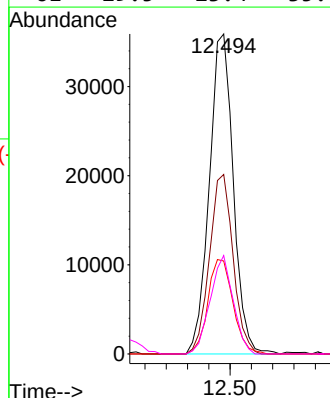
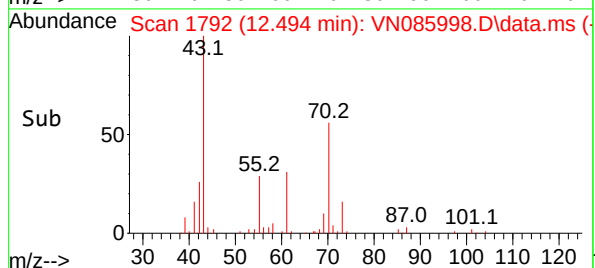
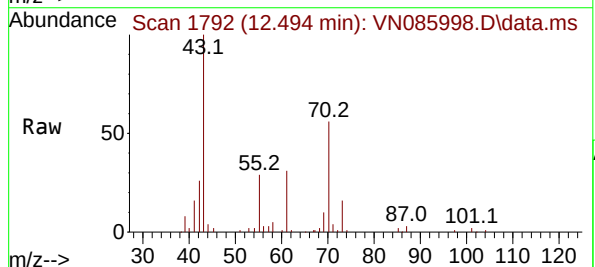
Manual Integrations
APPROVED

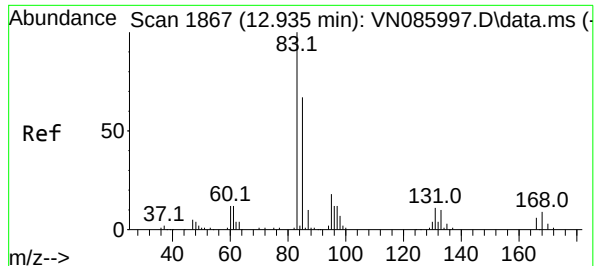
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#74
N-ethyl acetate
Concen: 19.630 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

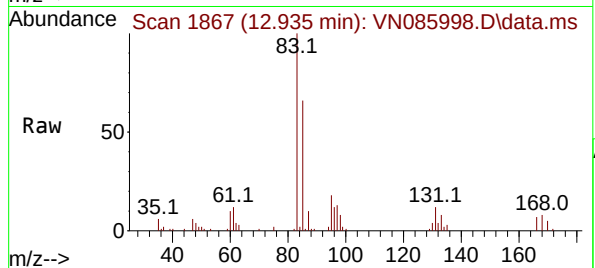
Tgt Ion: 43 Resp: 56163
Ion Ratio Lower Upper
43 100
70 55.2 43.0 64.4
55 31.0 23.8 35.8
61 29.5 23.4 35.0





#75
1,1,2,2-Tetrachloroethane
Concen: 18.023 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

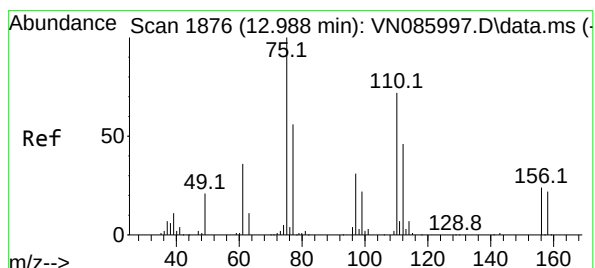
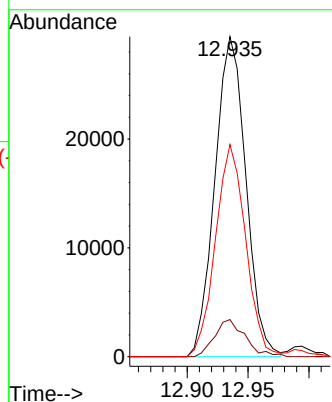
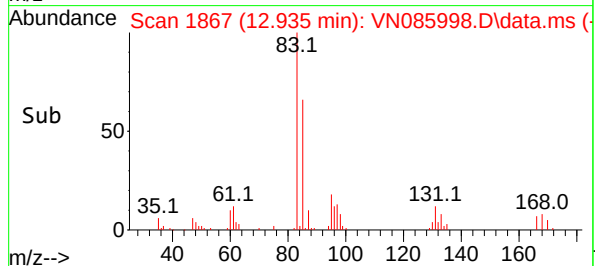
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 83 Resp: 52144
Ion Ratio Lower Upper
83 100
131 11.4 5.5 16.5
85 64.4 32.6 97.8

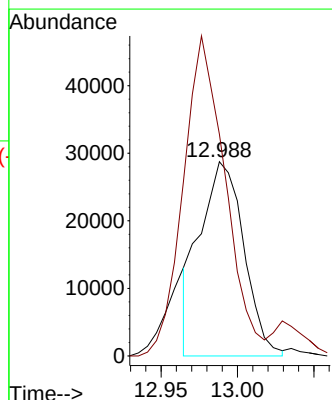
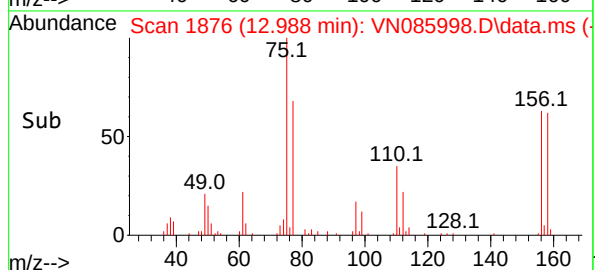
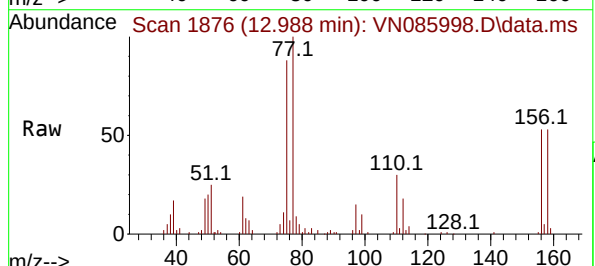
Manual Integrations
APPROVED

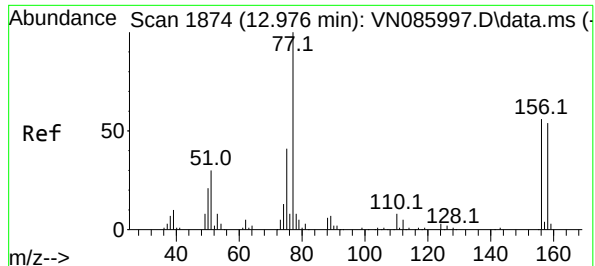
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#76
1,2,3-Trichloropropane
Concen: 20.137 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

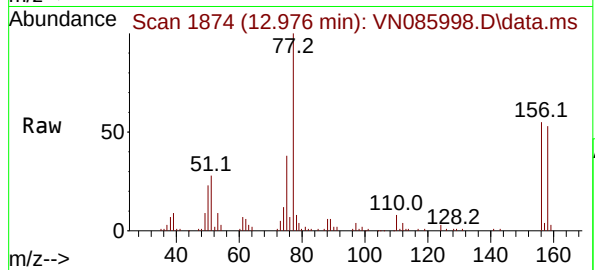
Tgt Ion: 75 Resp: 57493
Ion Ratio Lower Upper
75 100
77 157.3 83.7 251.0





#77
Bromobenzene
Concen: 18.439 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

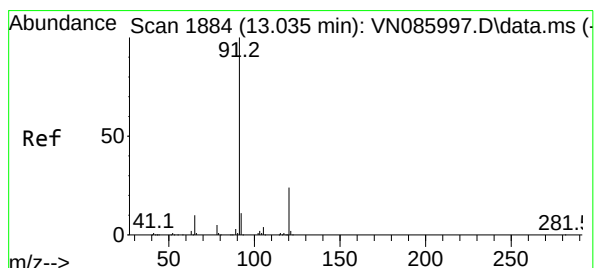
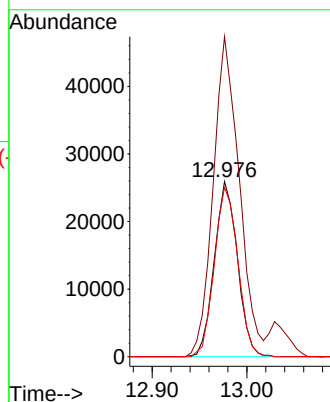
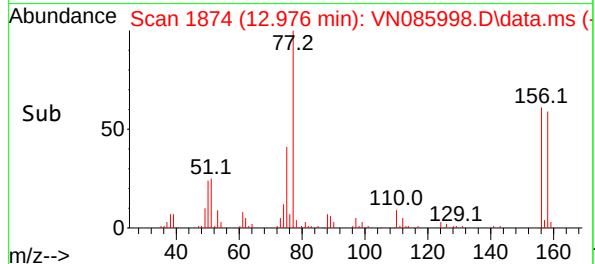
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:156 Resp: 43968
Ion Ratio Lower Upper
156 100
77 205.7 104.1 312.3
158 98.3 49.0 147.0

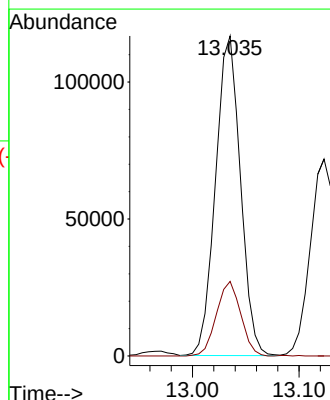
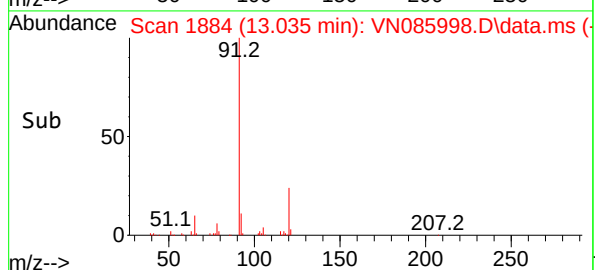
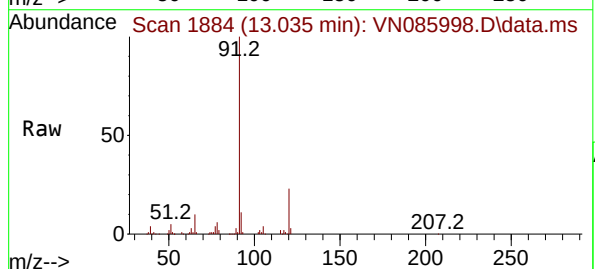
Manual Integrations
APPROVED

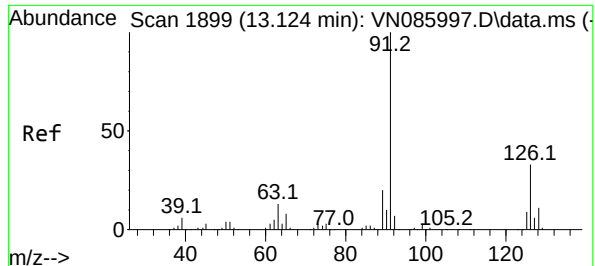
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#78
n-propylbenzene
Concen: 19.524 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 91 Resp: 189068
Ion Ratio Lower Upper
91 100
120 22.8 11.7 35.0





#79

2-Chlorotoluene

Concen: 19.256 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 123854

Ion Ratio Lower Upper

91 100

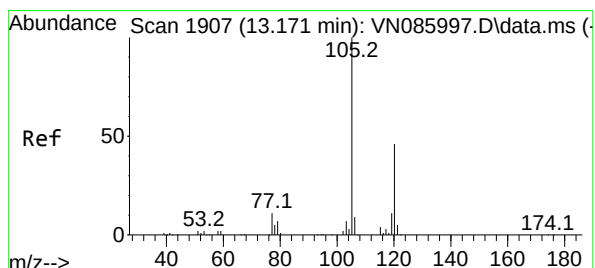
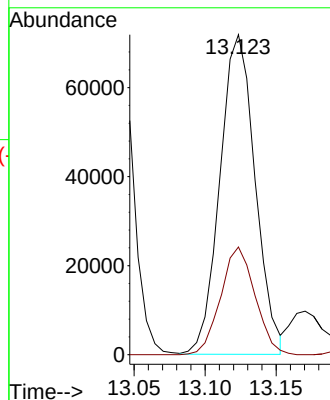
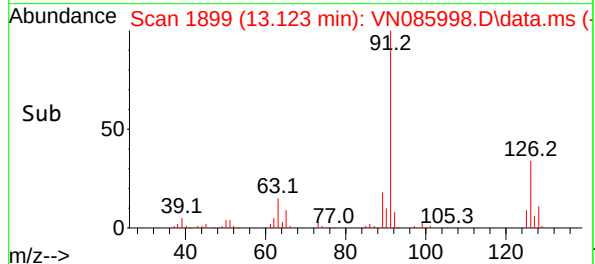
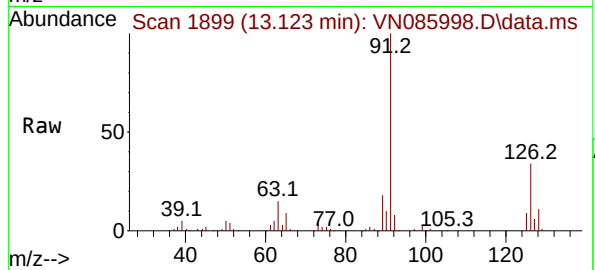
126 32.8 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.740 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085998.D

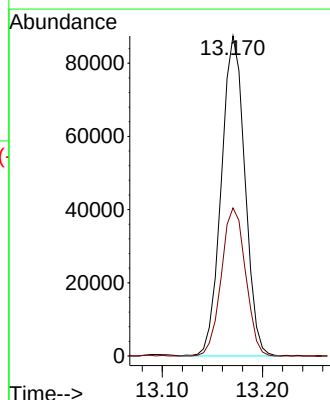
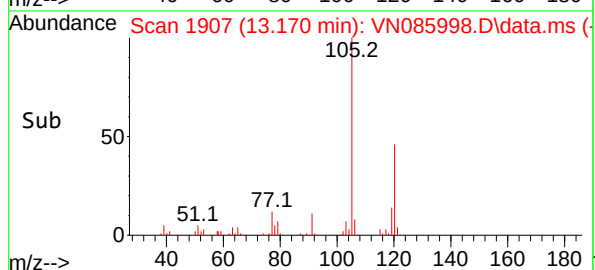
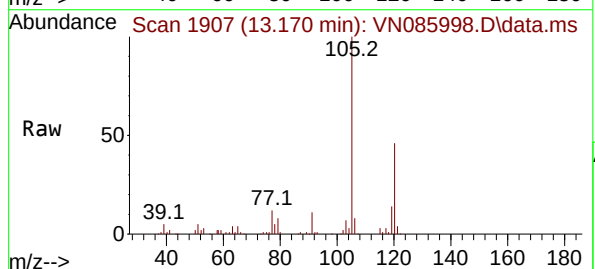
Acq: 18 Mar 2025 12:32

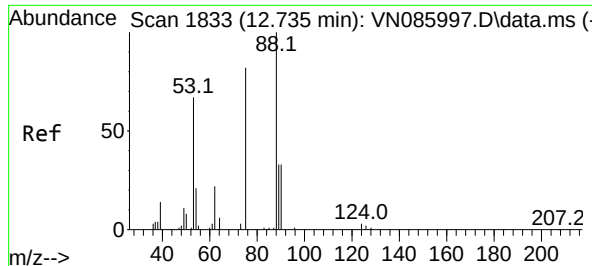
Tgt Ion:105 Resp: 142528

Ion Ratio Lower Upper

105 100

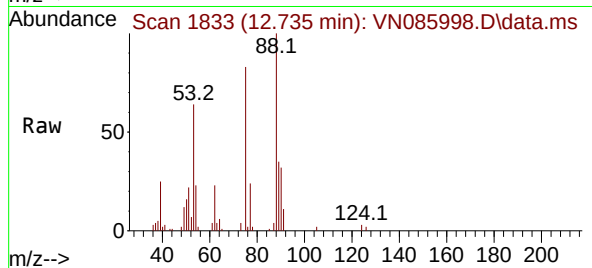
120 47.4 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 19.827 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

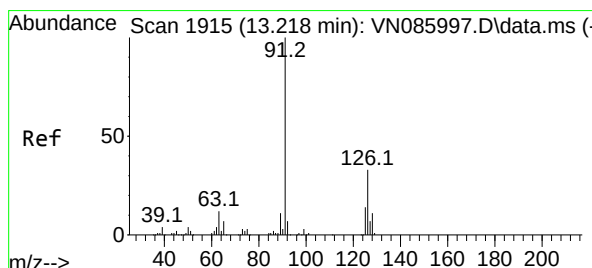
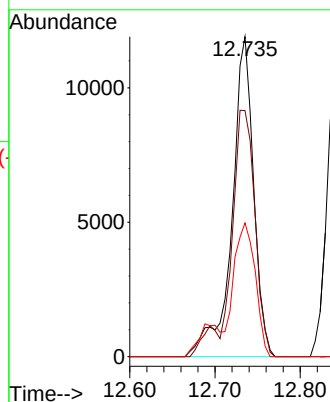
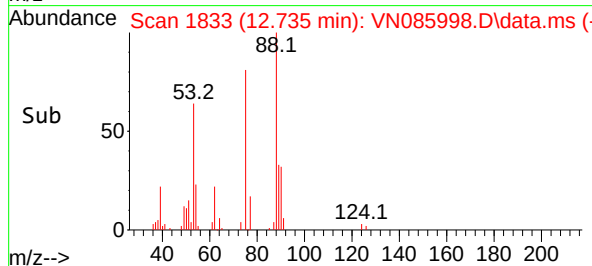
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 21020
Ion Ratio Lower Upper
75 100
53 77.5 66.0 99.0
89 42.3 36.9 55.3

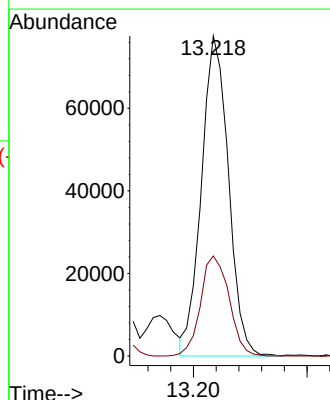
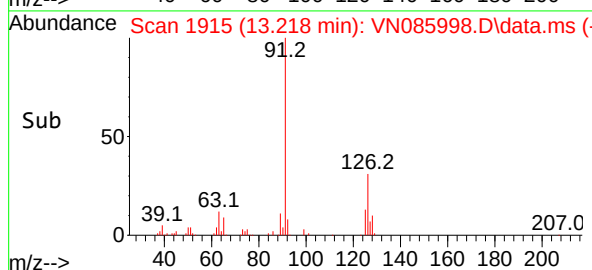
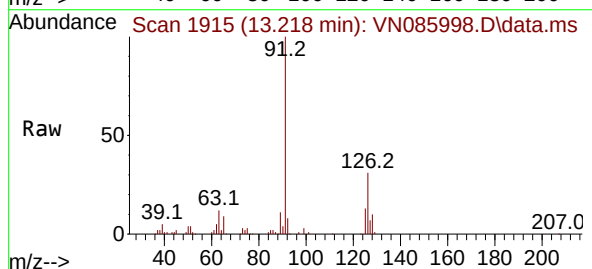
Manual Integrations
APPROVED

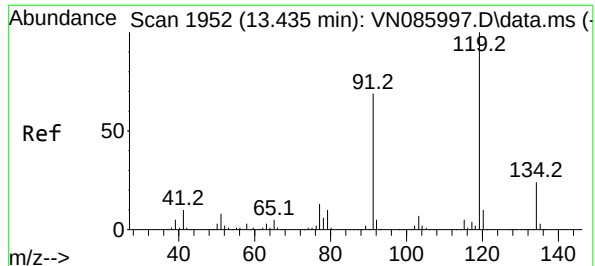
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#82
4-Chlorotoluene
Concen: 19.376 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

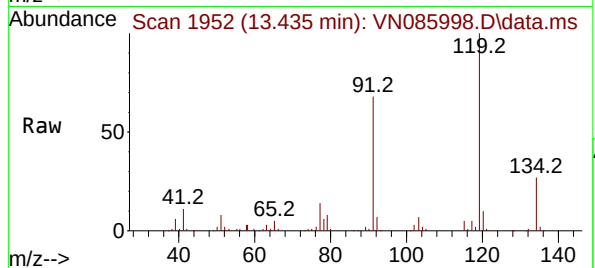
Tgt Ion: 91 Resp: 128159
Ion Ratio Lower Upper
91 100
126 32.9 16.1 48.2





#83
tert-Butylbenzene
Concen: 18.570 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

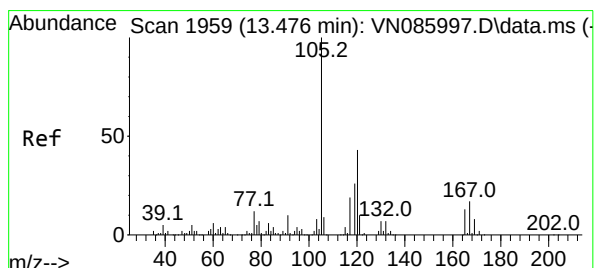
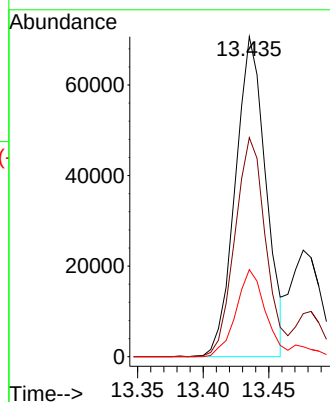
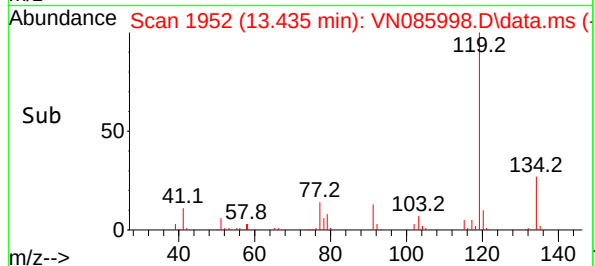
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



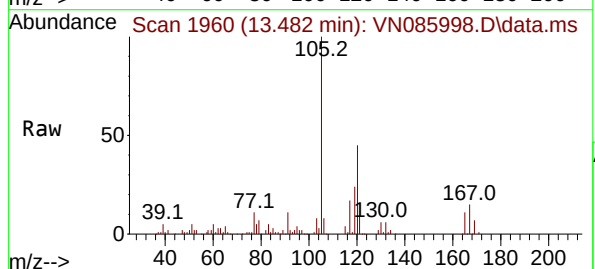
Tgt Ion:119 Resp: 114669
Ion Ratio Lower Upper
119 100
91 69.4 34.3 102.9
134 26.2 13.5 40.5

Manual Integrations
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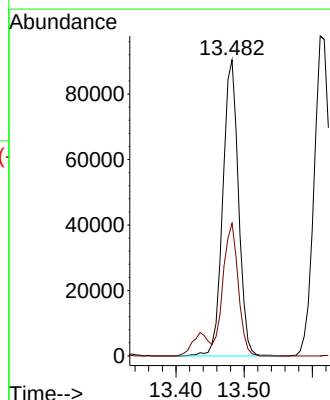
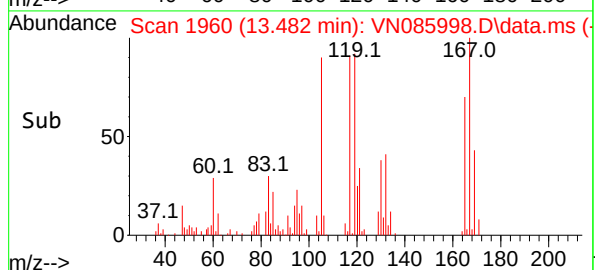
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

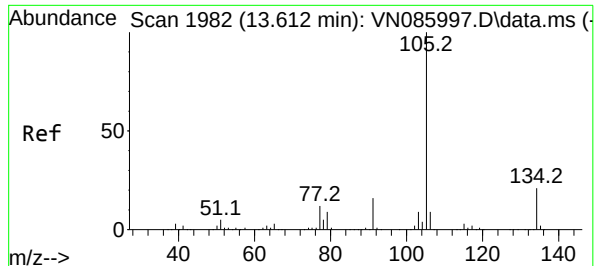


#84
1,2,4-Trimethylbenzene
Concen: 19.850 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32



Tgt Ion:105 Resp: 144557
Ion Ratio Lower Upper
105 100
120 43.6 21.9 65.8





#85

sec-Butylbenzene

Concen: 19.734 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:105 Resp: 158970

Ion Ratio Lower Upper

105 100

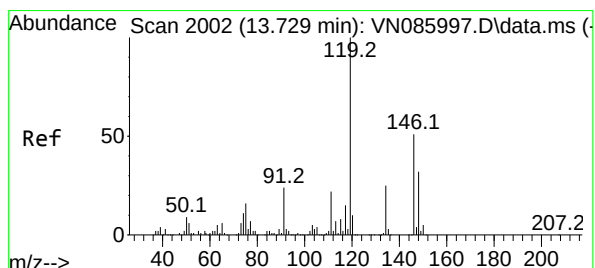
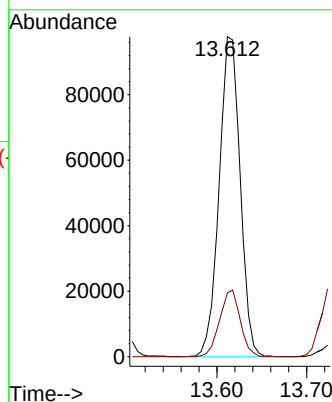
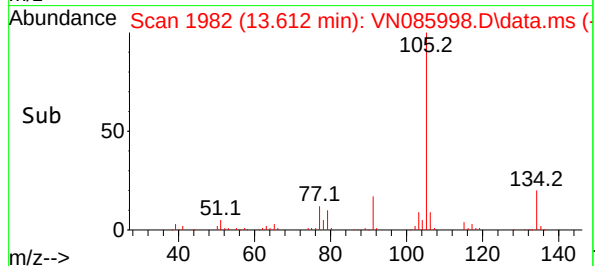
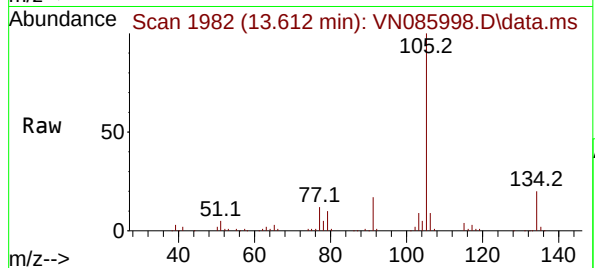
134 20.4 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#86

p-Isopropyltoluene

Concen: 19.611 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

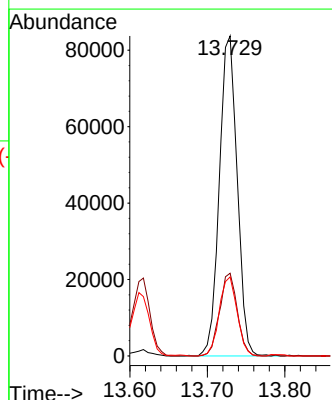
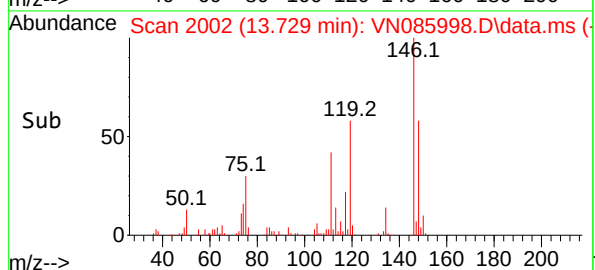
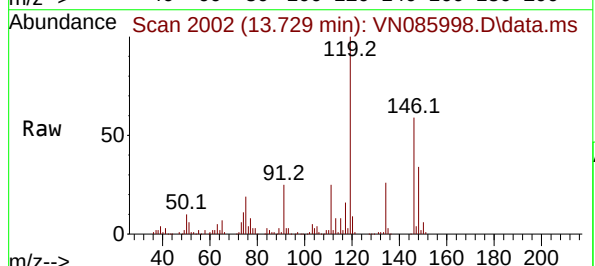
Tgt Ion:119 Resp: 133733

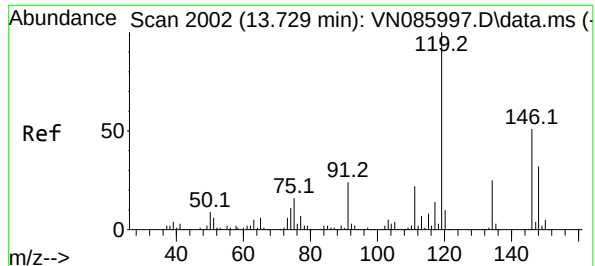
Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.8

91 24.8 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 18.809 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

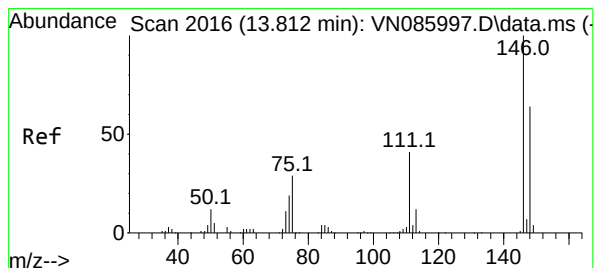
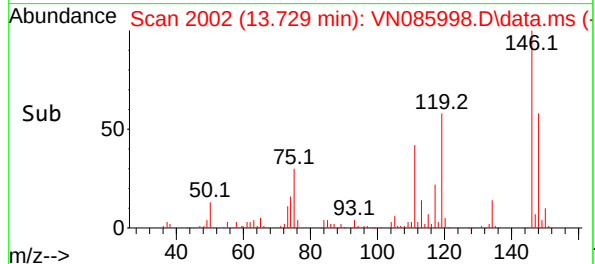
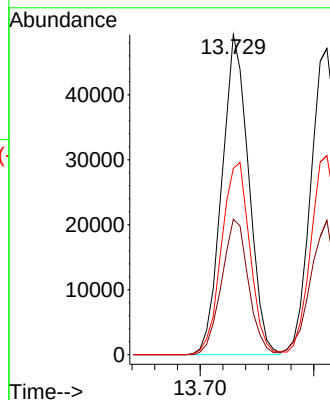
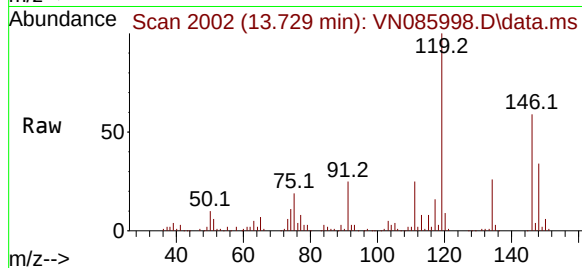
Tgt Ion:146	Resp:	8084
Ion Ratio	Lower	Upper
146	100	
111	42.4	21.2 63.6
148	63.8	31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#88

1,4-Dichlorobenzene

Concen: 17.975 ug/l

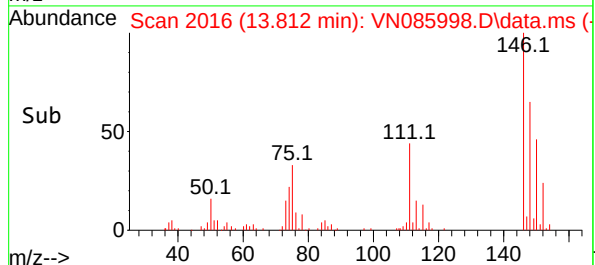
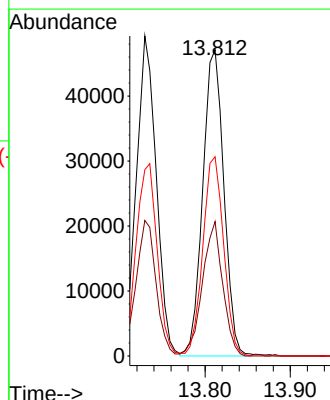
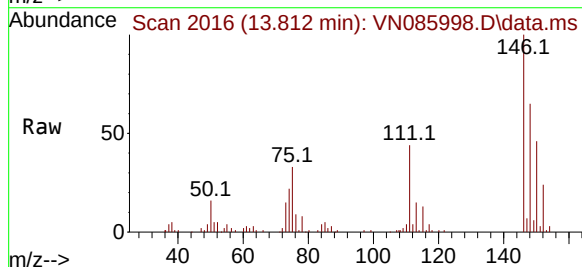
RT: 13.812 min Scan# 2016

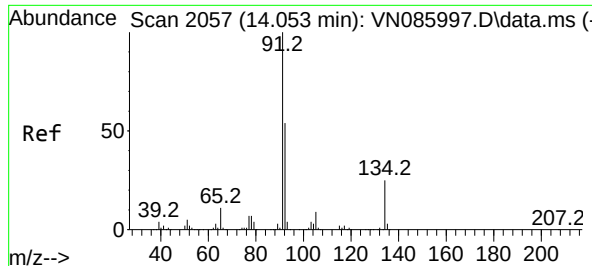
Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:146	Resp:	81175
Ion Ratio	Lower	Upper
146	100	
111	42.1	20.4 61.3
148	64.1	32.1 96.5





#89

n-Butylbenzene

Concen: 18.649 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

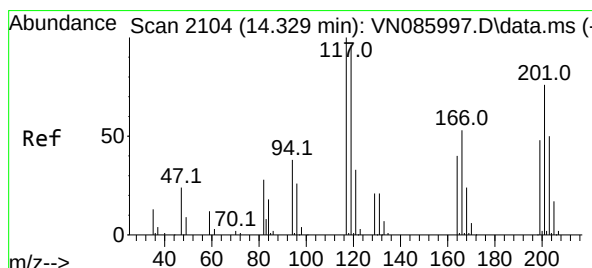
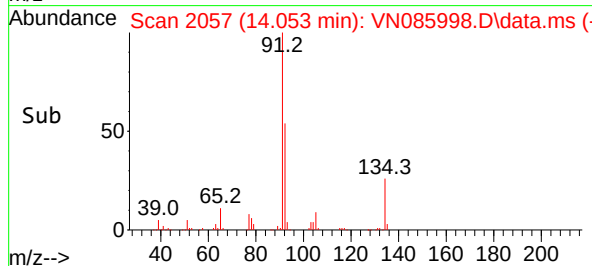
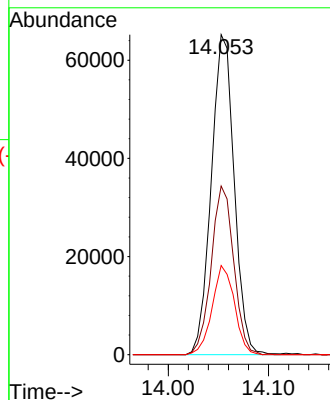
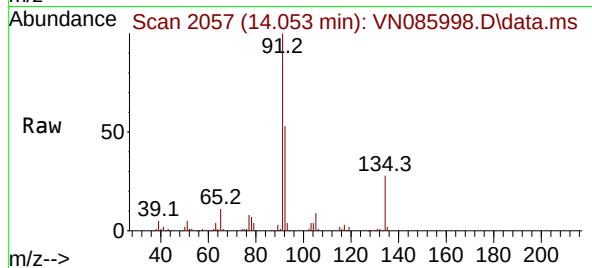
Tgt Ion:	91	Resp:	10355
Ion Ratio	Lower	Upper	
91	100		
92	51.9	26.9	80.6
134	27.1	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#90

Hexachloroethane

Concen: 17.249 ug/l

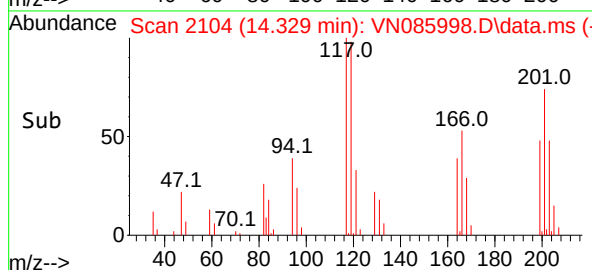
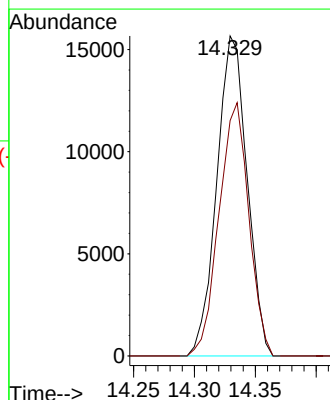
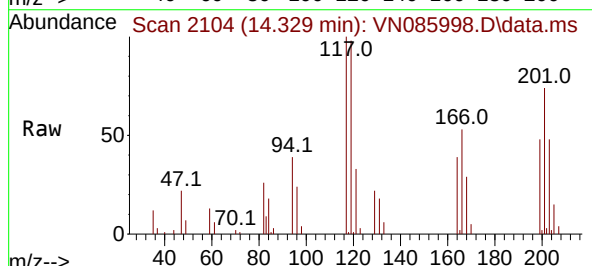
RT: 14.329 min Scan# 2104

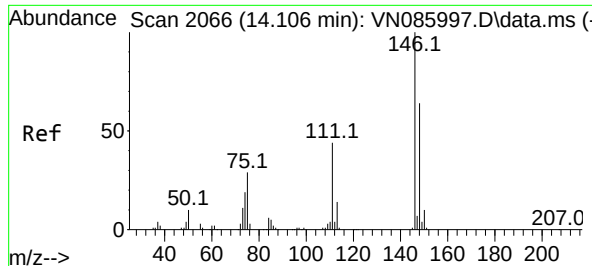
Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Tgt Ion:	117	Resp:	27141
Ion Ratio	Lower	Upper	
117	100		
201	77.9	39.1	117.3





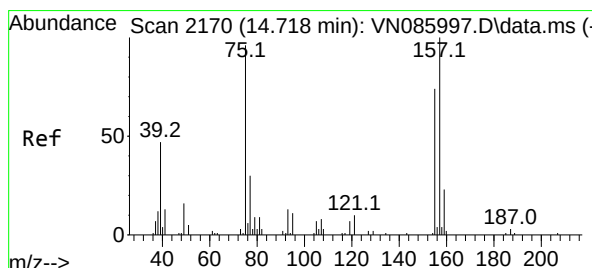
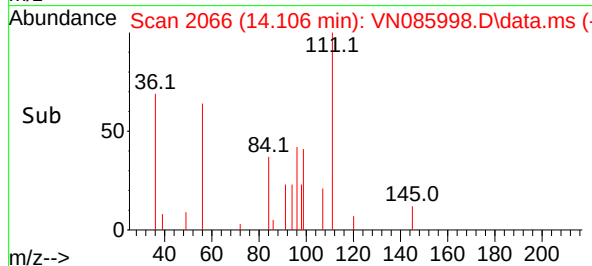
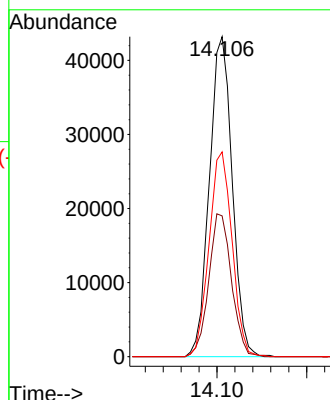
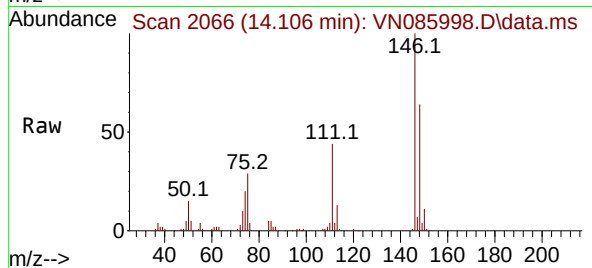
#91
1,2-Dichlorobenzene
Concen: 17.839 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:146 Resp: 76225
Ion Ratio Lower Upper
146 100
111 44.5 22.3 66.8
148 64.6 32.1 96.5

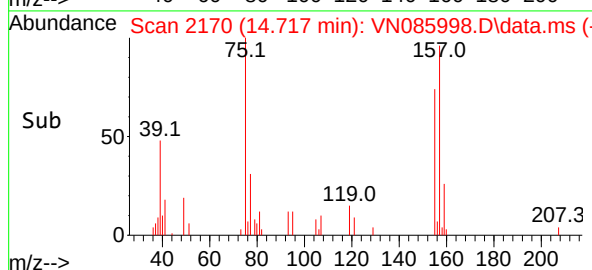
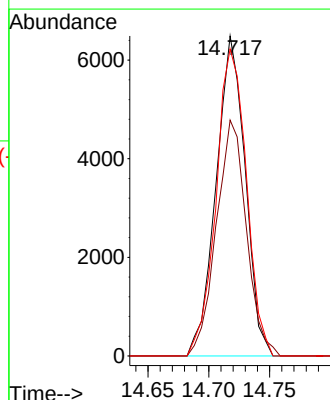
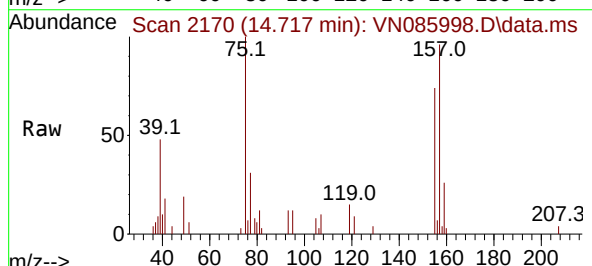
Manual Integrations
APPROVED

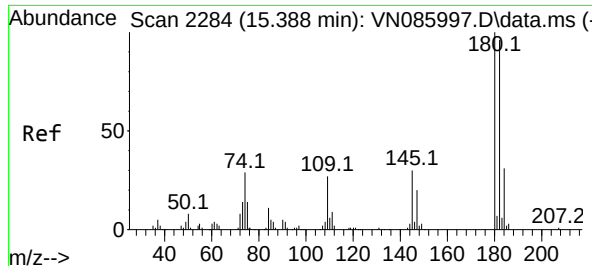
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.692 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion: 75 Resp: 10795
Ion Ratio Lower Upper
75 100
155 76.3 41.0 123.0
157 100.0 53.7 161.1





#93

1,2,4-Trichlorobenzene

Concen: 18.166 ug/l

RT: 15.388 min Scan# 2102

Delta R.T. -0.000 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:180 Resp: 39028

Ion Ratio Lower Upper

180 100

182 92.6 47.0 141.0

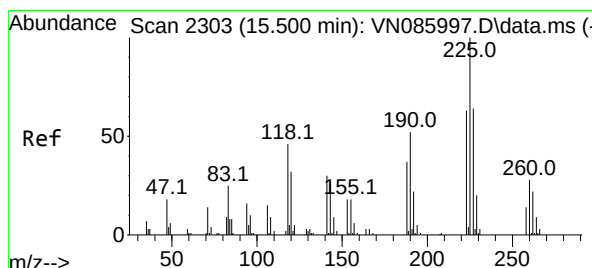
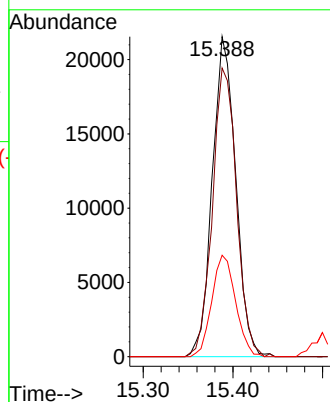
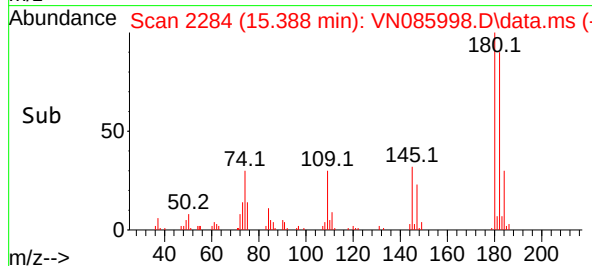
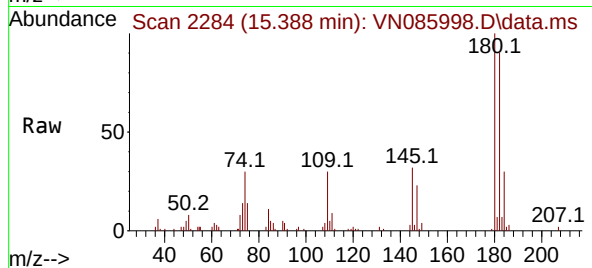
145 32.2 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#94

Hexachlorobutadiene

Concen: 18.244 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN085998.D

Acq: 18 Mar 2025 12:32

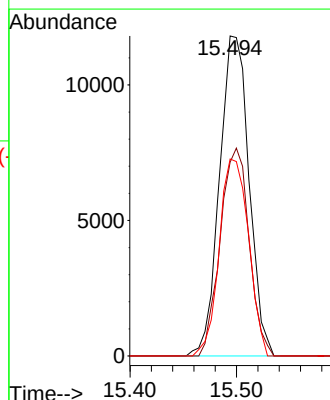
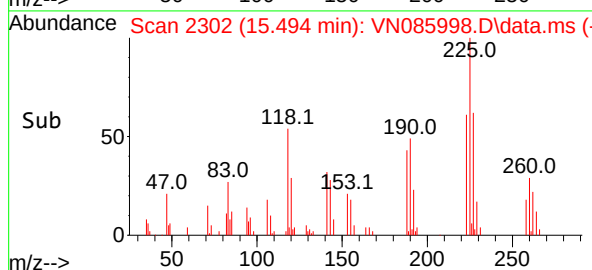
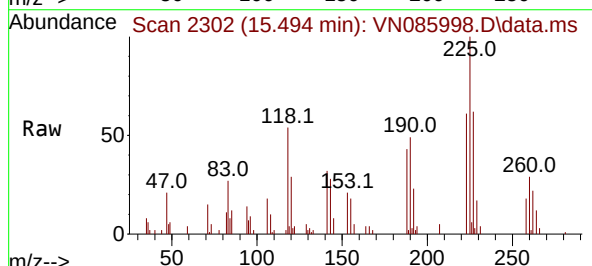
Tgt Ion:225 Resp: 22741

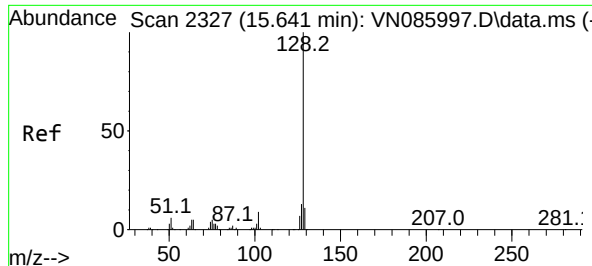
Ion Ratio Lower Upper

225 100

223 63.4 31.3 93.9

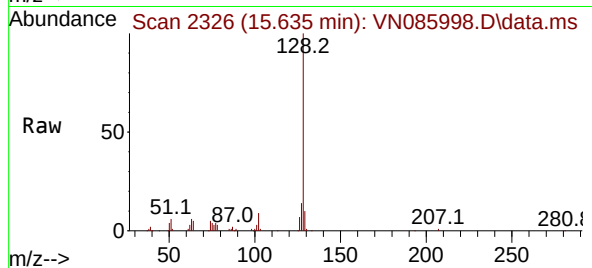
227 61.2 32.1 96.3





#95
Naphthalene
Concen: 18.564 ug/l
RT: 15.635 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

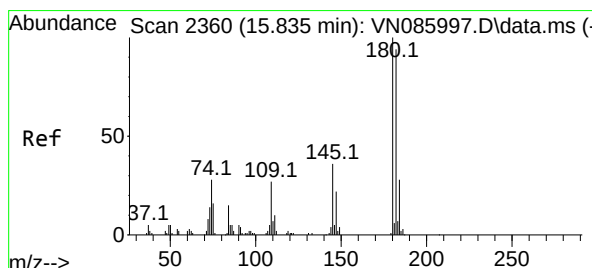
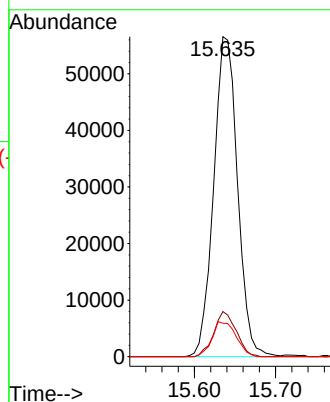
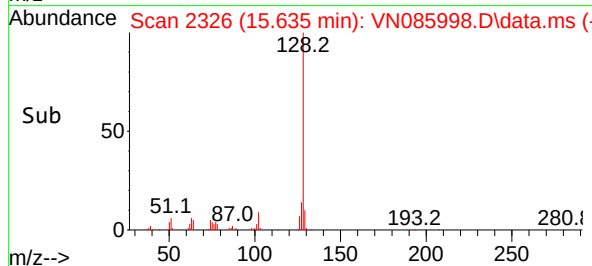
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:128 Resp: 11549
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.0 9.0 13.6

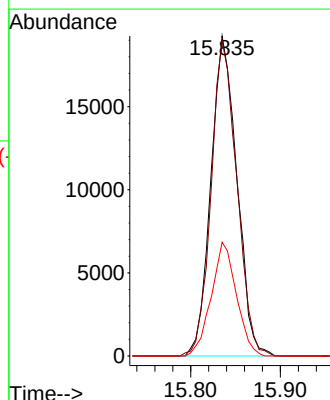
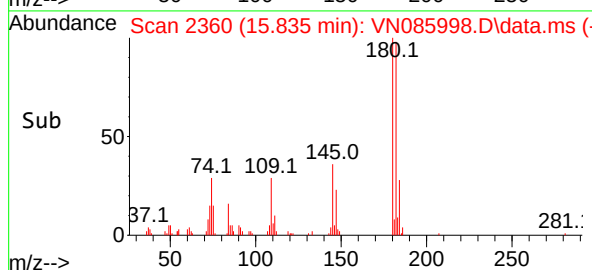
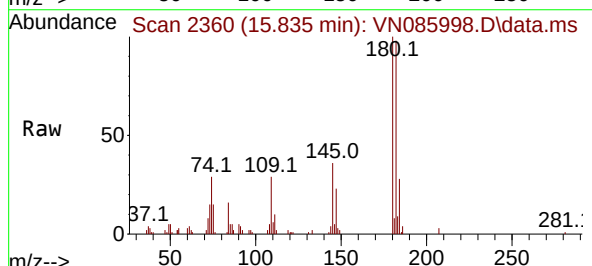
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.975 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085998.D
Acq: 18 Mar 2025 12:32

Tgt Ion:180 Resp: 38684
Ion Ratio Lower Upper
180 100
182 97.2 47.5 142.5
145 34.5 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085999.D
 Acq On : 18 Mar 2025 12:57
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:55:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	177085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	25519	10.524	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	21.040%#		
35) Dibromofluoromethane	8.159	113	20600	10.374	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.740%#		
50) Toluene-d8	10.565	98	73317	10.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	20.340%#		
62) 4-Bromofluorobenzene	12.847	95	25049	9.746	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	19.500%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	22978	9.794	ug/l	100
3) Chloromethane	2.359	50	19259	9.364	ug/l	99
4) Vinyl Chloride	2.512	62	20562	9.778	ug/l	97
5) Bromomethane	2.965	94	14539	10.150	ug/l	95
6) Chloroethane	3.118	64	13400	10.101	ug/l	98
7) Trichlorofluoromethane	3.494	101	36653	9.696	ug/l	96
8) Diethyl Ether	3.959	74	11412	9.861	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	19603	9.757	ug/l	98
10) Methyl Iodide	4.589	142	25149	9.606	ug/l #	94
11) Tert butyl alcohol	5.530	59	17174	50.023	ug/l #	88
12) 1,1-Dichloroethene	4.341	96	19300	10.638	ug/l	99
13) Acrolein	4.177	56	17536	47.889	ug/l	99
14) Allyl chloride	5.030	41	21799	9.631	ug/l	99
15) Acrylonitrile	5.718	53	45069	49.706	ug/l	99
16) Acetone	4.424	43	34466	46.524	ug/l	93
17) Carbon Disulfide	4.712	76	57012	9.555	ug/l	99
18) Methyl Acetate	5.018	43	17854	9.741	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	56795	9.553	ug/l	98
20) Methylene Chloride	5.271	84	20262	9.349	ug/l	98
21) trans-1,2-Dichloroethene	5.788	96	19340	9.754	ug/l	95
22) Diisopropyl ether	6.677	45	49389	10.240	ug/l	95
23) Vinyl Acetate	6.606	43	180182	49.277	ug/l	97
24) 1,1-Dichloroethane	6.571	63	34294	9.669	ug/l	97
25) 2-Butanone	7.488	43	52665	49.267	ug/l	93
26) 2,2-Dichloropropane	7.482	77	32775	9.598	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	21843	9.695	ug/l	97
28) Bromochloromethane	7.812	49	14293	9.512	ug/l	98
29) Tetrahydrofuran	7.841	42	33470	50.716	ug/l	98
30) Chloroform	7.965	83	38998	9.948	ug/l	95
31) Cyclohexane	8.259	56	30234	10.006	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	36307	9.784	ug/l	98
36) 1,1-Dichloropropene	8.371	75	25215	9.644	ug/l	99
37) Ethyl Acetate	7.559	43	22354	10.134	ug/l	99
38) Carbon Tetrachloride	8.359	117	33005	9.601	ug/l	89
39) Methylcyclohexane	9.600	83	22685	8.745	ug/l	89
40) Benzene	8.606	78	78849	9.606	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085999.D
 Acq On : 18 Mar 2025 12:57
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:55:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	10855	10.306	ug/l	97
42) 1,2-Dichloroethane	8.671	62	27959	9.776	ug/l	98
43) Isopropyl Acetate	8.688	43	50383m	10.518	ug/l	
44) Trichloroethene	9.353	130	20094	9.446	ug/l	92
45) 1,2-Dichloropropane	9.623	63	18278	9.791	ug/l	97
46) Dibromomethane	9.706	93	14254	9.709	ug/l	98
47) Bromodichloromethane	9.888	83	29326	9.558	ug/l #	99
48) Methyl methacrylate	9.676	41	15095	9.570	ug/l	99
49) 1,4-Dioxane	9.694	88	8137	218.227	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	108196	51.326	ug/l	97
52) Toluene	10.629	92	49947	9.915	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	28817	9.670	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	31572	10.042	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	18779	9.767	ug/l	94
56) Ethyl methacrylate	10.870	69	25340	10.180	ug/l	97
57) 1,3-Dichloropropane	11.159	76	32516	9.957	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	56781	60.781	ug/l	99
59) 2-Hexanone	11.194	43	76690	49.939	ug/l	97
60) Dibromochloromethane	11.359	129	24029	9.685	ug/l	98
61) 1,2-Dibromoethane	11.470	107	19500	9.879	ug/l	97
64) Tetrachloroethene	11.100	164	19436	9.781	ug/l	95
65) Chlorobenzene	11.888	112	55590	9.752	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	20639	9.740	ug/l	97
67) Ethyl Benzene	11.959	91	88133	9.666	ug/l	97
68) m/p-Xylenes	12.070	106	68738	19.180	ug/l	99
69) o-Xylene	12.400	106	32135	9.770	ug/l	99
70) Styrene	12.412	104	51989	9.254	ug/l	98
71) Bromoform	12.576	173	17048	9.624	ug/l #	98
73) Isopropylbenzene	12.694	105	78299	10.163	ug/l	98
74) N-amyl acetate	12.488	43	26009	10.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	26865	10.307	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	26024m	10.117	ug/l	
77) Bromobenzene	12.976	156	21805	10.150	ug/l	98
78) n-propylbenzene	13.035	91	87149	9.989	ug/l	100
79) 2-Chlorotoluene	13.123	91	58382	10.075	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	65511	10.071	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	9044	9.466	ug/l	95
82) 4-Chlorotoluene	13.217	91	60050	10.077	ug/l	100
83) tert-Butylbenzene	13.435	119	56793	10.208	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	66424	10.124	ug/l	99
85) sec-Butylbenzene	13.611	105	73271	10.096	ug/l	100
86) p-Isopropyltoluene	13.723	119	60661	9.874	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	39474	10.194	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	39616	9.737	ug/l	97
89) n-Butylbenzene	14.053	91	46910	9.376	ug/l	97
90) Hexachloroethane	14.329	117	13417	9.464	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	37747	9.805	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	5994	11.520	ug/l	88
93) 1,2,4-Trichlorobenzene	15.388	180	18382	9.497	ug/l	99
94) Hexachlorobutadiene	15.500	225	11293	10.056	ug/l	98
95) Naphthalene	15.635	128	54670	9.754	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	17914	9.753	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085999.D
Acq On : 18 Mar 2025 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:55:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

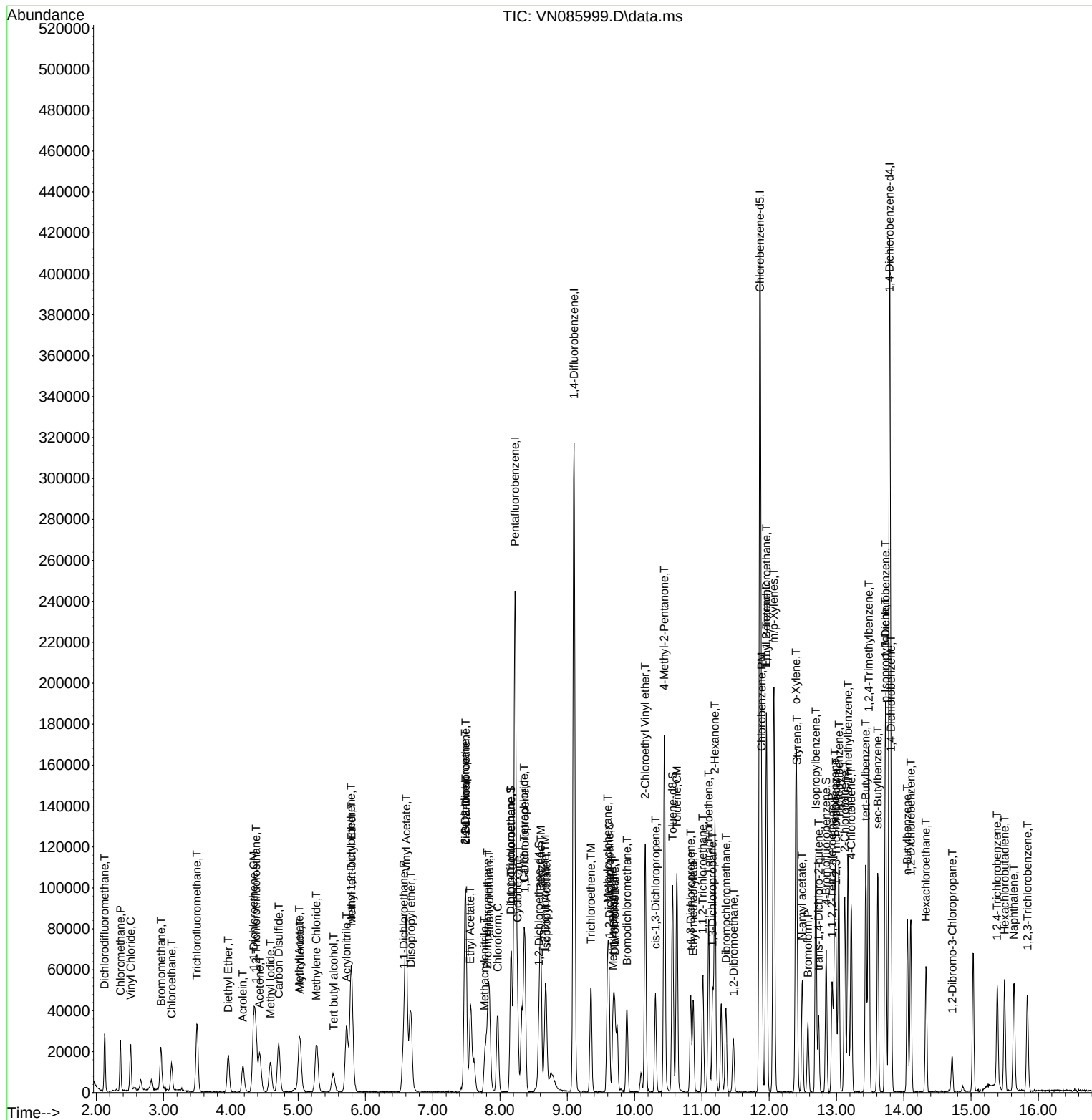
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

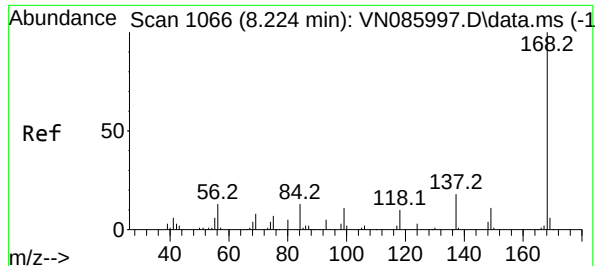
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

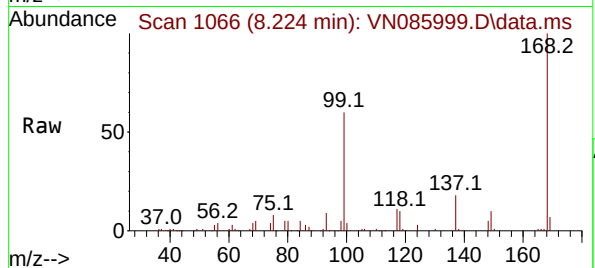
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

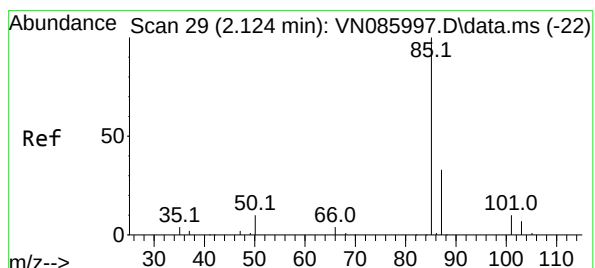
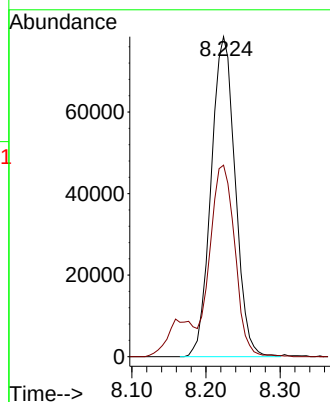
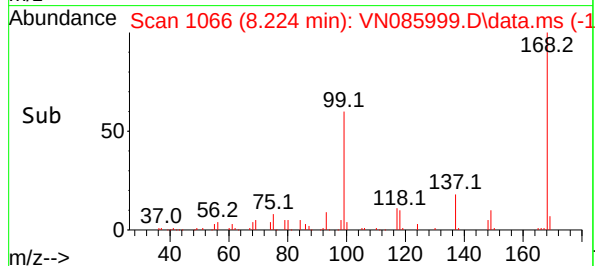
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion:168 Resp: 177085
Ion Ratio Lower Upper
168 100
99 59.5 49.4 74.2

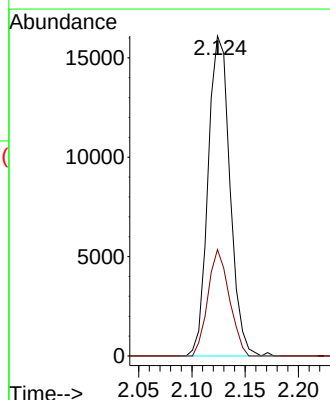
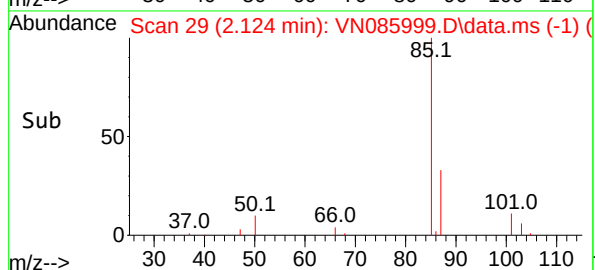
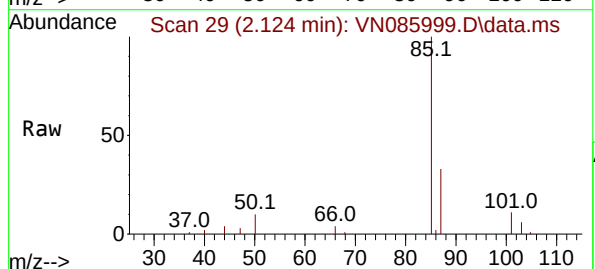
Manual Integrations
APPROVED

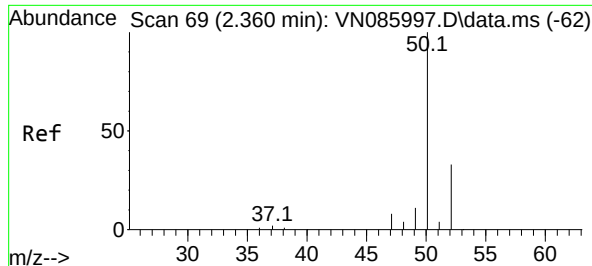
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 9.794 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 85 Resp: 22978
Ion Ratio Lower Upper
85 100
87 33.2 16.5 49.5





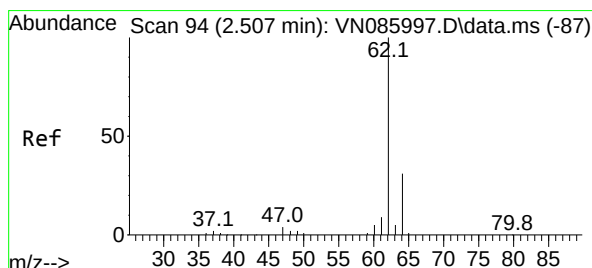
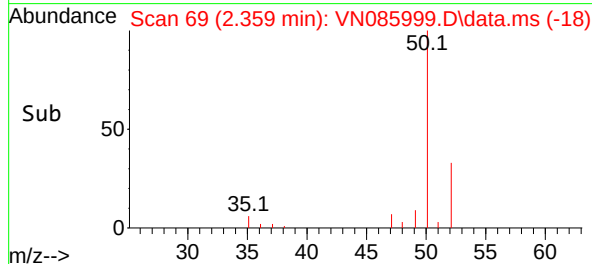
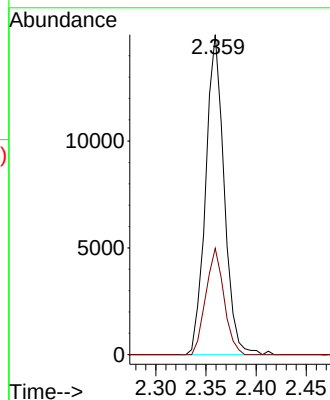
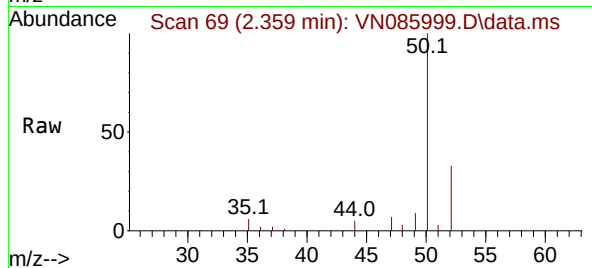
#3
Chloromethane
Concen: 9.364 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 50 Resp: 1925
Ion Ratio Lower Upper
50 100
52 33.2 26.0 39.0

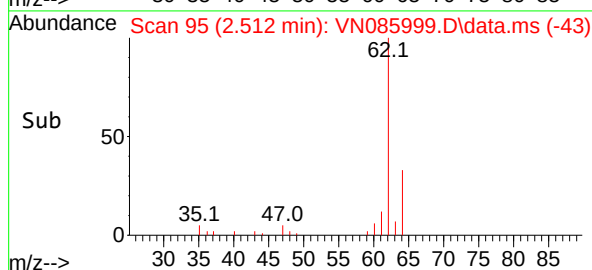
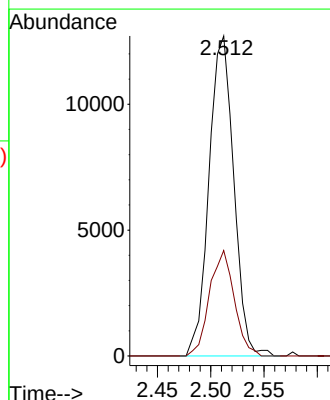
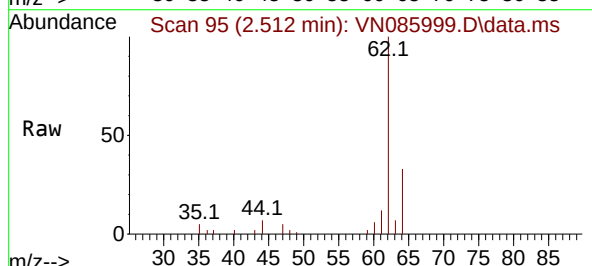
Manual Integrations
APPROVED

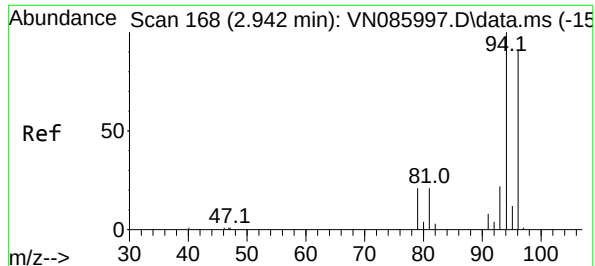
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 9.778 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 62 Resp: 20562
Ion Ratio Lower Upper
62 100
64 32.9 25.2 37.8





#5

Bromomethane

Concen: 10.150 ug/l

RT: 2.965 min Scan# 11

Delta R.T. 0.023 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 94 Resp: 14539

Ion Ratio Lower Upper

94 100

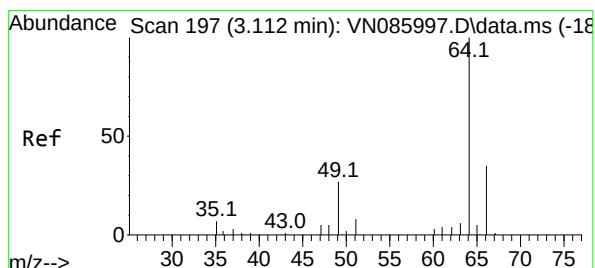
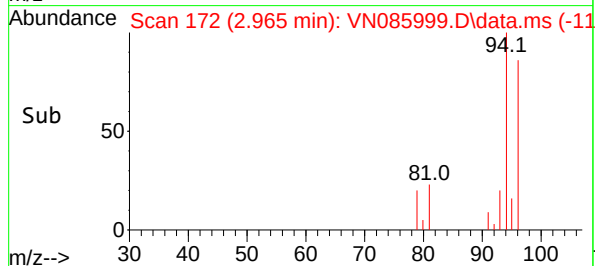
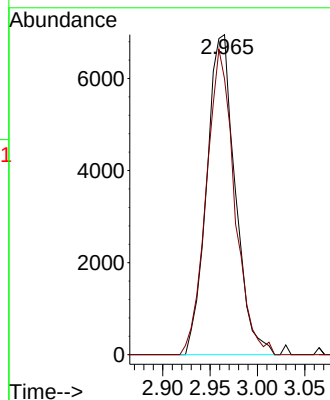
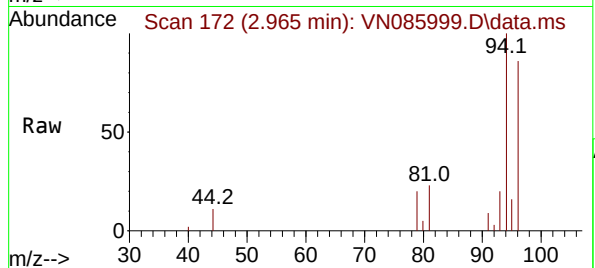
96 86.2 72.8 109.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#6

Chloroethane

Concen: 10.101 ug/l

RT: 3.118 min Scan# 198

Delta R.T. 0.006 min

Lab File: VN085999.D

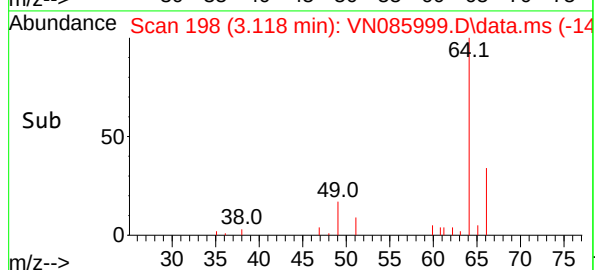
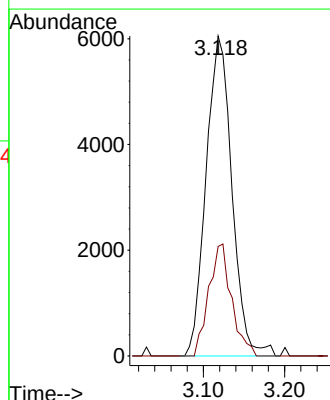
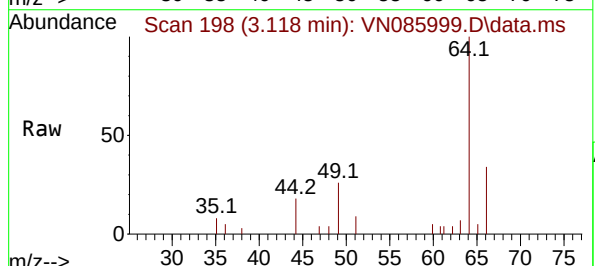
Acq: 18 Mar 2025 12:57

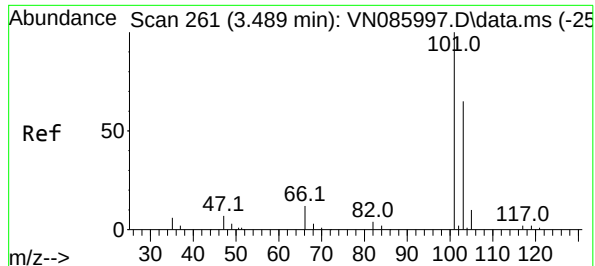
Tgt Ion: 64 Resp: 13400

Ion Ratio Lower Upper

64 100

66 34.2 28.3 42.5





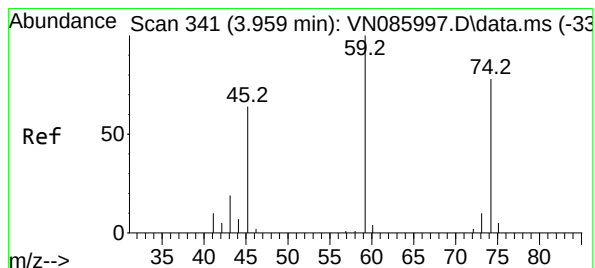
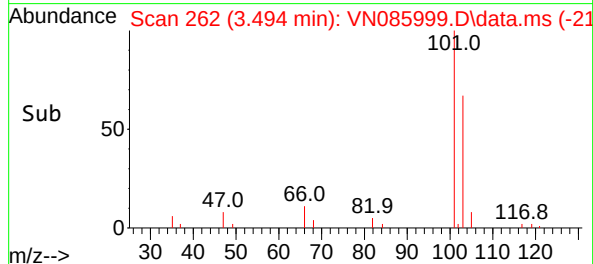
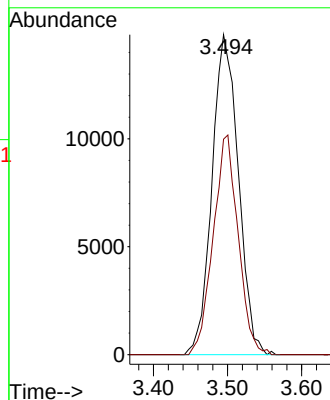
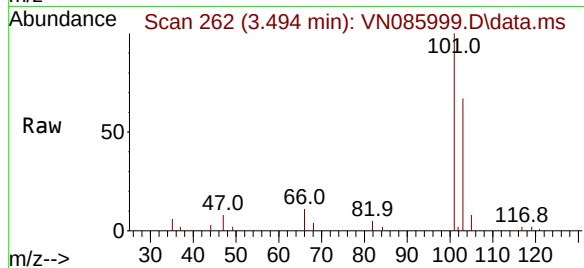
#7
Trichlorofluoromethane
Concen: 9.696 ug/l
RT: 3.494 min Scan# 261
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:101 Resp: 3665
Ion Ratio Lower Upper
101 100
103 67.4 51.7 77.5

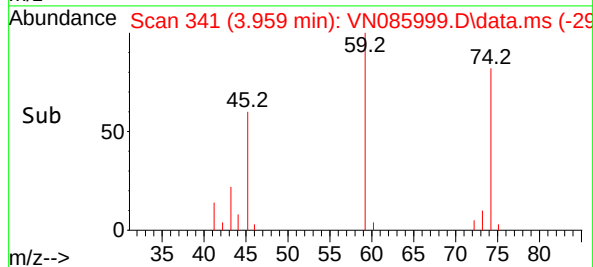
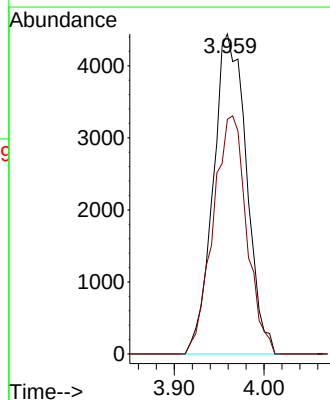
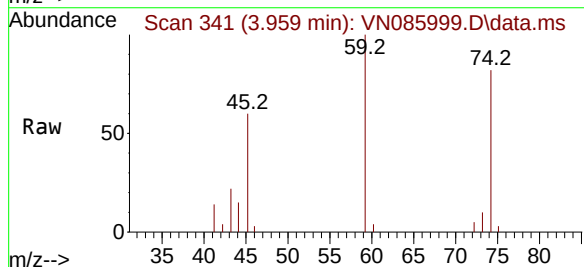
Manual Integrations
APPROVED

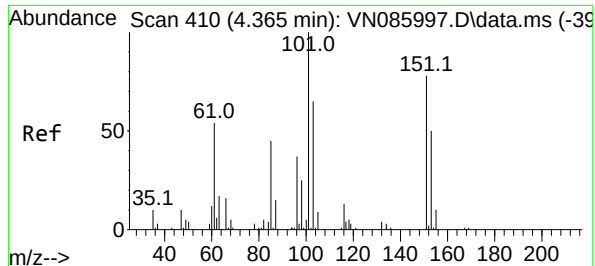
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#8
Diethyl Ether
Concen: 9.861 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 74 Resp: 11412
Ion Ratio Lower Upper
74 100
45 75.3 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.757 ug/l

RT: 4.377 min Scan# 411

Delta R.T. 0.011 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

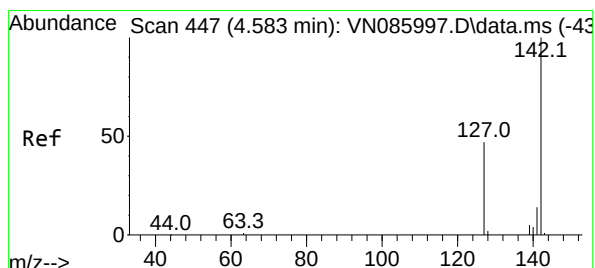
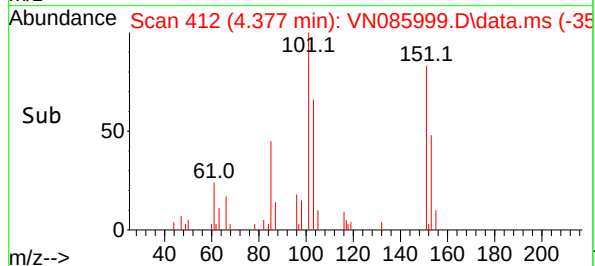
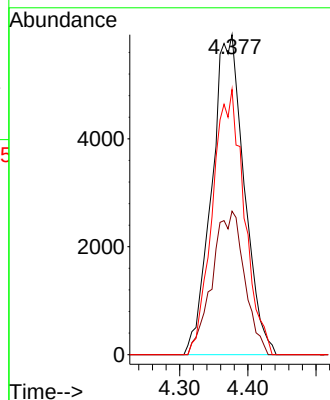
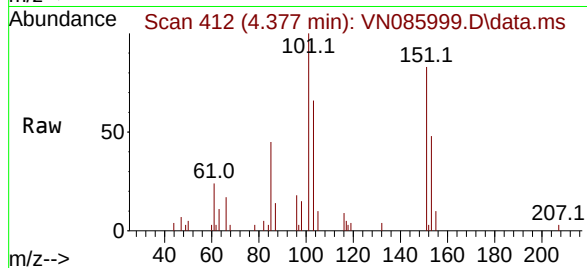
Tgt Ion:	101	Resp:	1960
Ion	Ratio	Lower	Upper
101	100		
85	44.8	36.5	54.7
151	81.3	63.4	95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#10

Methyl Iodide

Concen: 9.606 ug/l

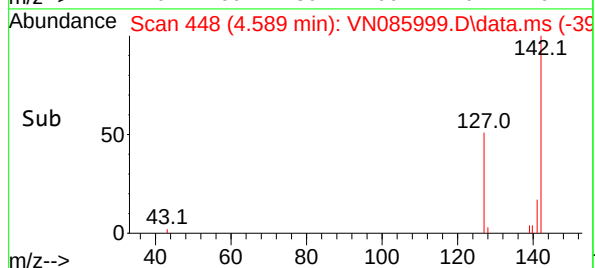
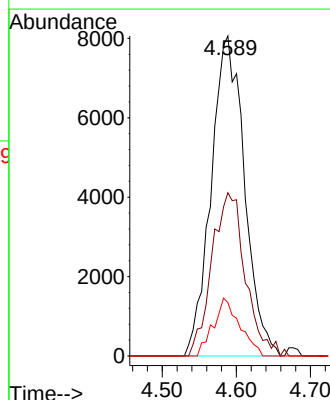
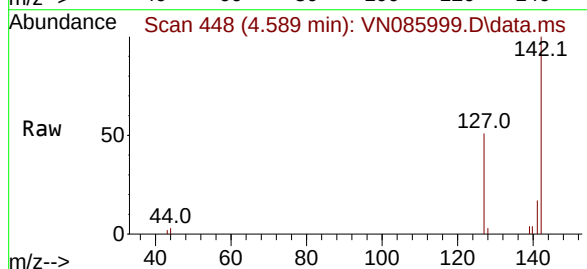
RT: 4.589 min Scan# 448

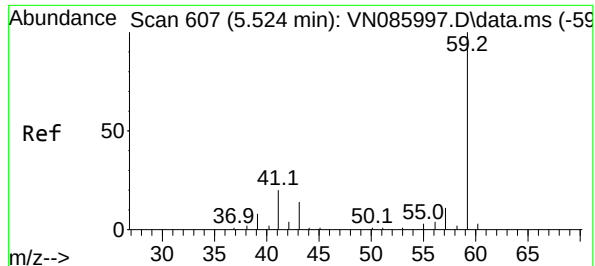
Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:	142	Resp:	25149
Ion	Ratio	Lower	Upper
142	100		
127	51.0	37.5	56.3
141	16.7	11.0	16.6





#11

Tert butyl alcohol

Concen: 50.023 ug/l

RT: 5.530 min Scan# 607

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 59 Resp: 17174

Ion Ratio Lower Upper

59 100

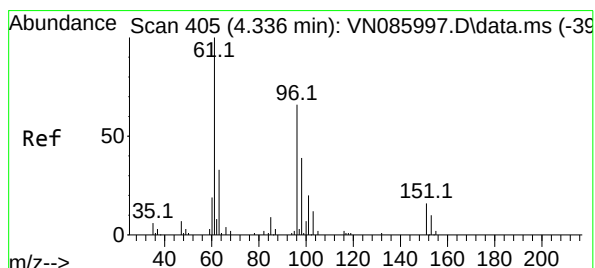
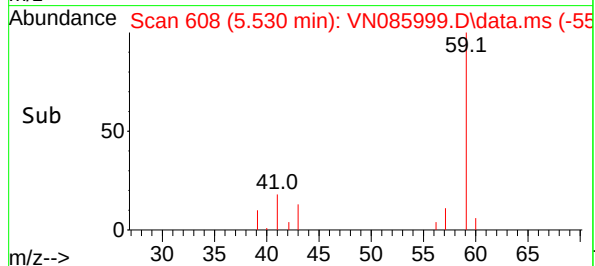
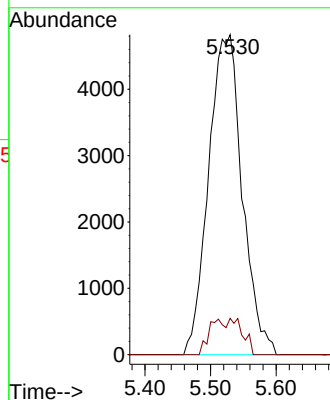
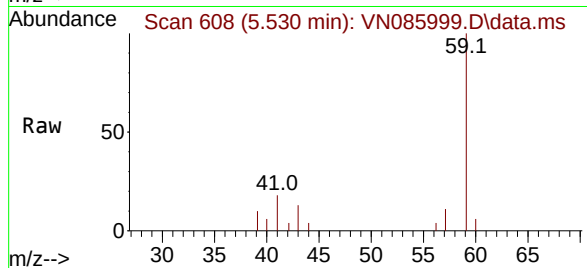
57 5.6 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#12

1,1-Dichloroethene

Concen: 10.638 ug/l

RT: 4.341 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

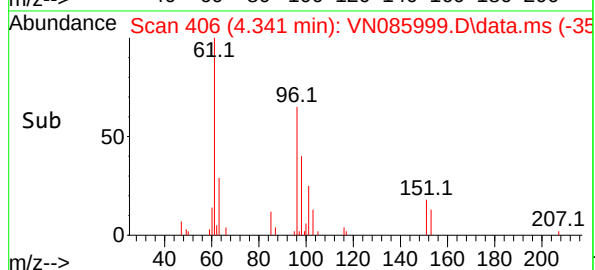
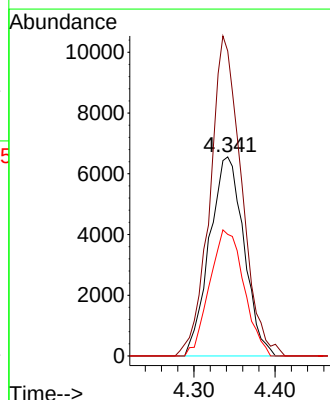
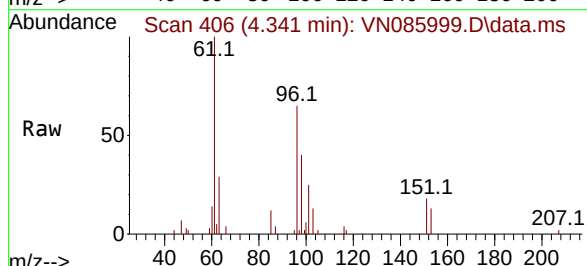
Tgt Ion: 96 Resp: 19300

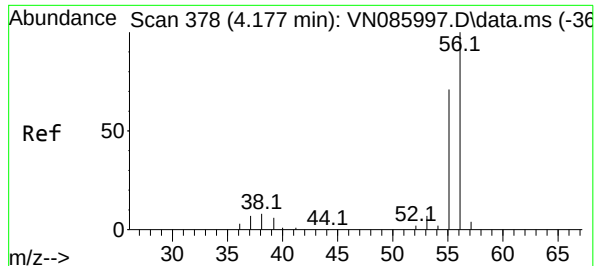
Ion Ratio Lower Upper

96 100

61 150.7 120.5 180.7

98 61.1 47.4 71.0





#13

Acrolein

Concen: 47.889 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 56 Resp: 17530

Ion Ratio Lower Upper

56 100

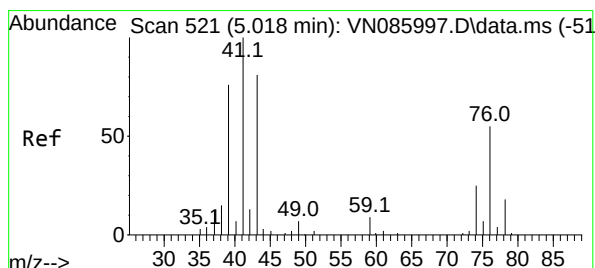
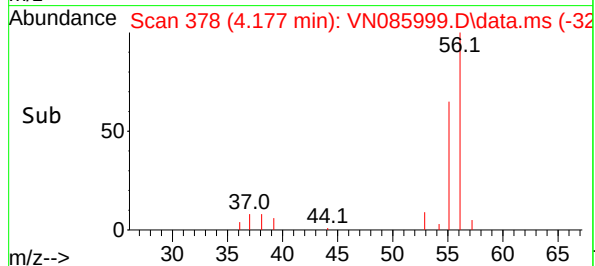
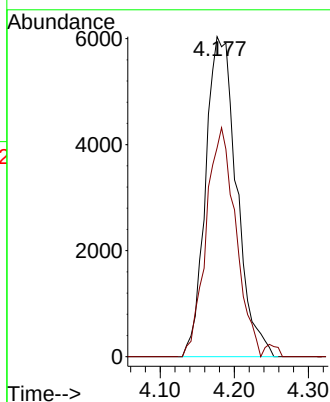
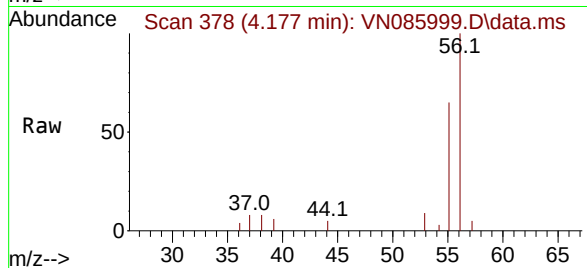
55 68.2 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 9.631 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.011 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

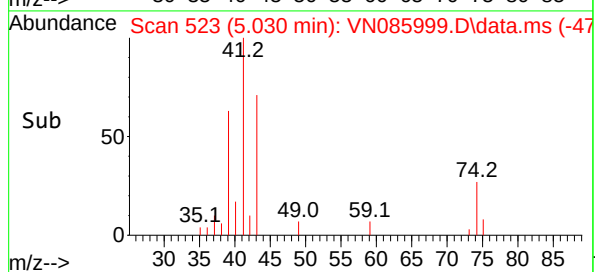
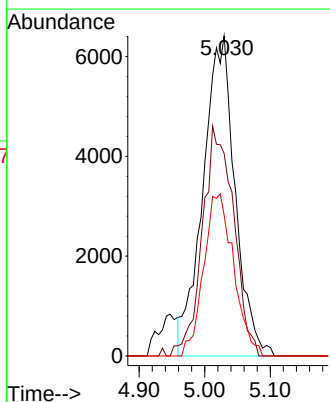
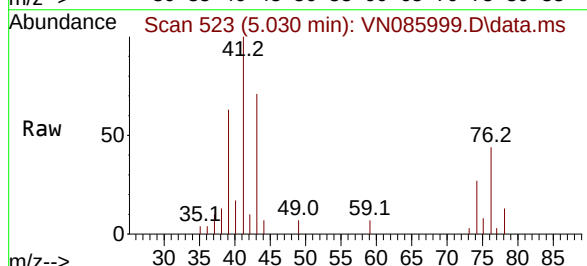
Tgt Ion: 41 Resp: 21799

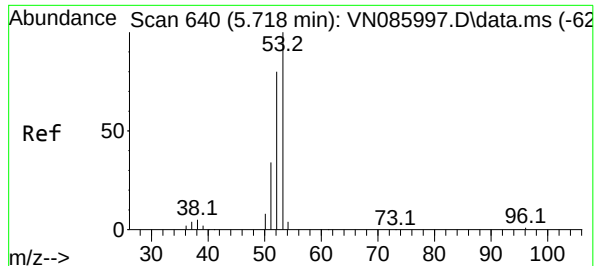
Ion Ratio Lower Upper

41 100

39 69.9 55.5 83.3

76 47.4 39.1 58.7





#15

Acrylonitrile

Concen: 49.706 ug/l

RT: 5.718 min Scan# 640

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

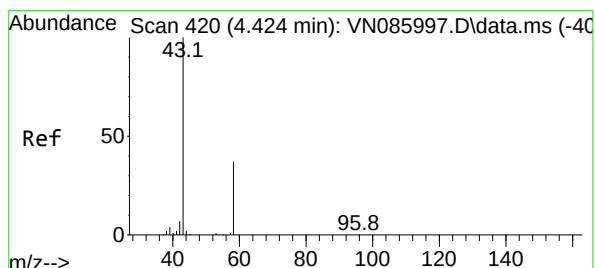
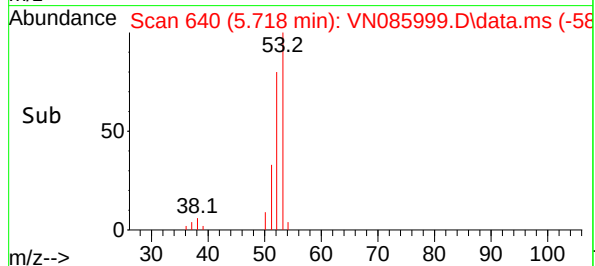
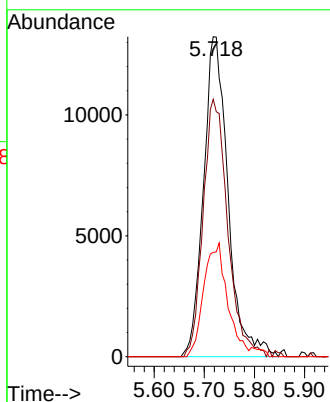
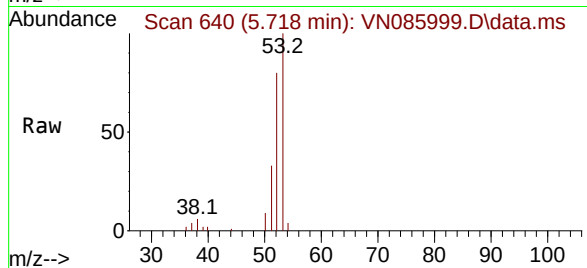
Tgt Ion:	53	Resp:	45069
Ion	Ratio	Lower	Upper
53	100		
52	80.4	63.9	95.9
51	34.3	27.1	40.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#16

Acetone

Concen: 46.524 ug/l

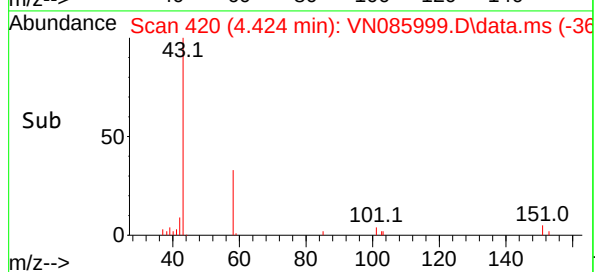
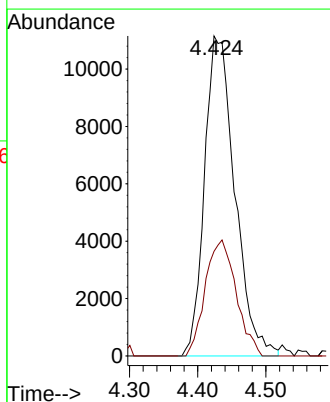
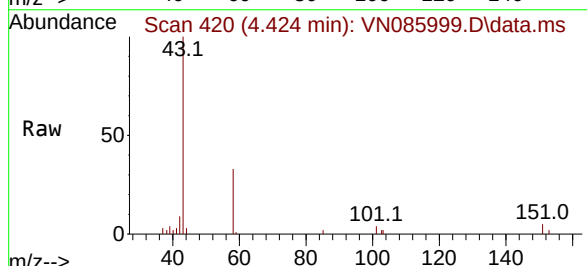
RT: 4.424 min Scan# 420

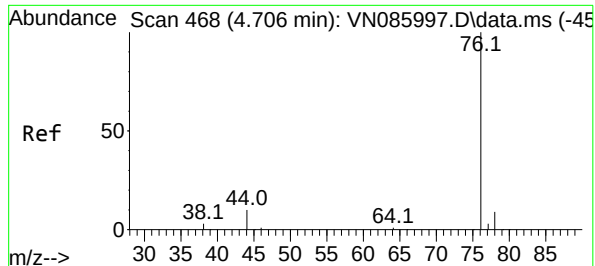
Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:	43	Resp:	34466
Ion	Ratio	Lower	Upper
43	100		
58	32.7	29.4	44.2





#17

Carbon Disulfide

Concen: 9.555 ug/l

RT: 4.712 min Scan# 4

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 76 Resp: 5701

Ion Ratio Lower Upper

76 100

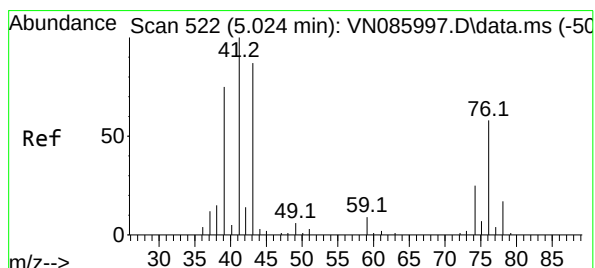
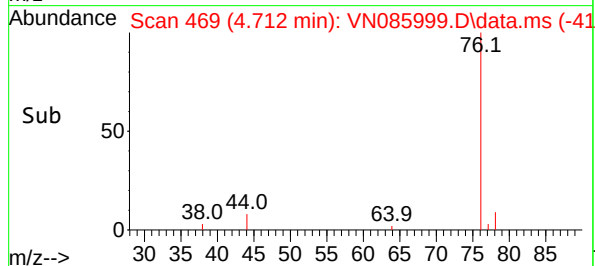
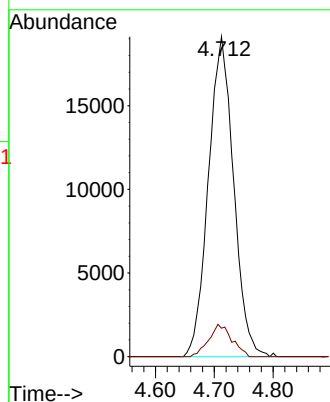
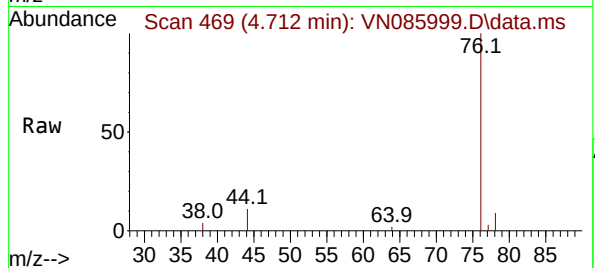
78 8.9 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#18

Methyl Acetate

Concen: 9.741 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.006 min

Lab File: VN085999.D

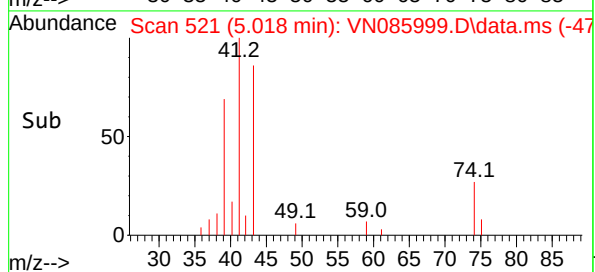
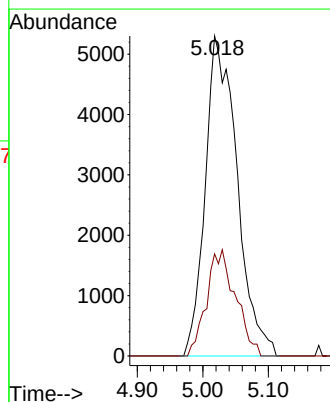
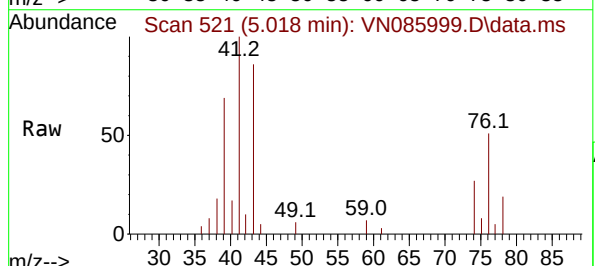
Acq: 18 Mar 2025 12:57

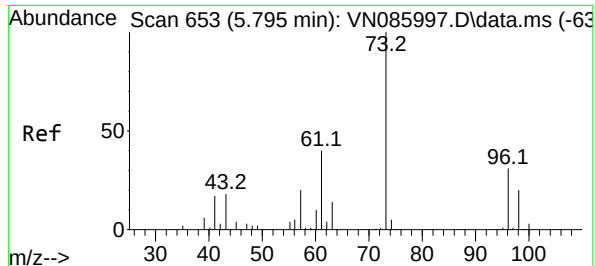
Tgt Ion: 43 Resp: 17854

Ion Ratio Lower Upper

43 100

74 30.3 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 9.553 ug/l

RT: 5.794 min Scan# 653

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 73 Resp: 5679

Ion Ratio Lower Upper

73 100

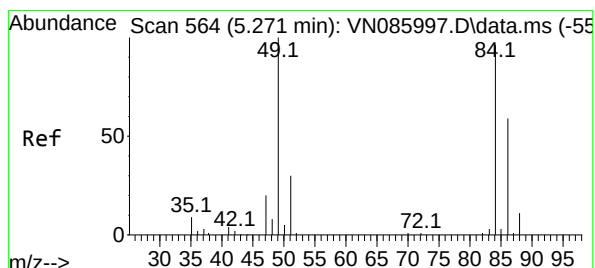
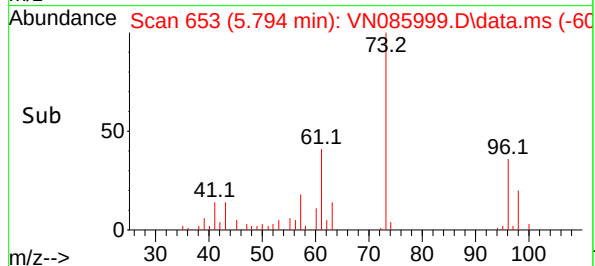
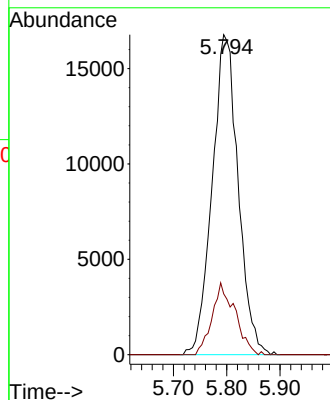
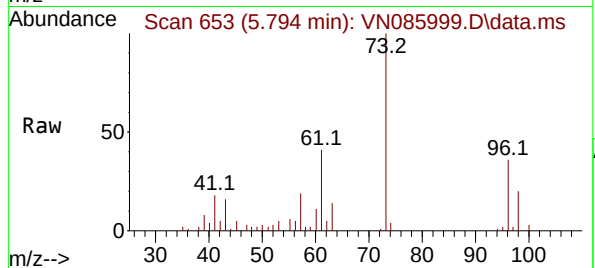
57 19.0 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#20

Methylene Chloride

Concen: 9.349 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion: 84 Resp: 20262

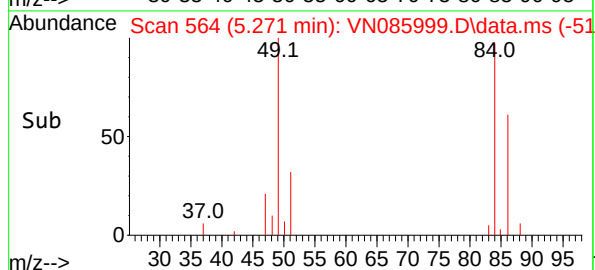
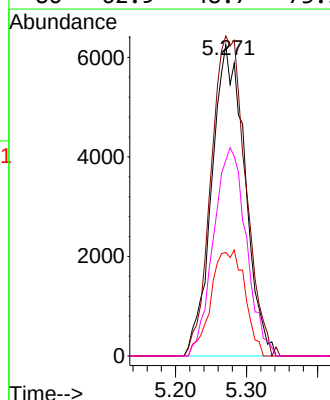
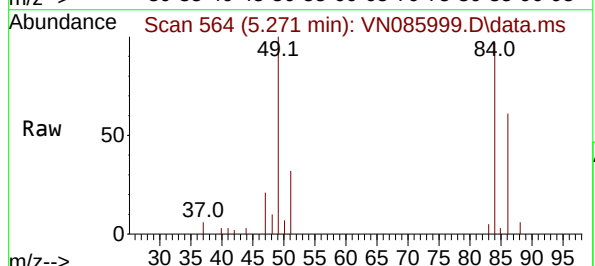
Ion Ratio Lower Upper

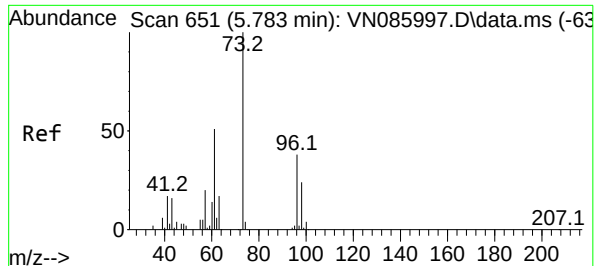
84 100

49 102.8 83.3 124.9

51 33.3 24.8 37.2

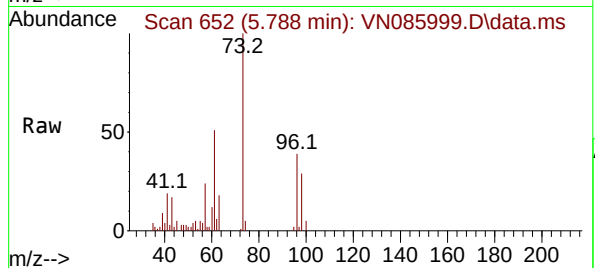
86 62.9 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 9.754 ug/l
RT: 5.788 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

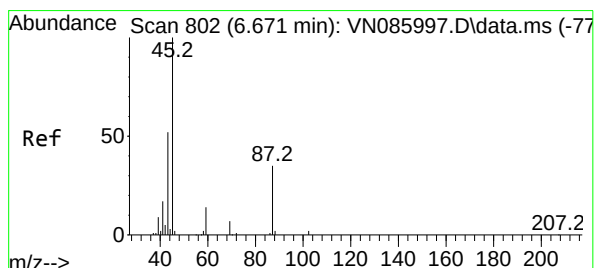
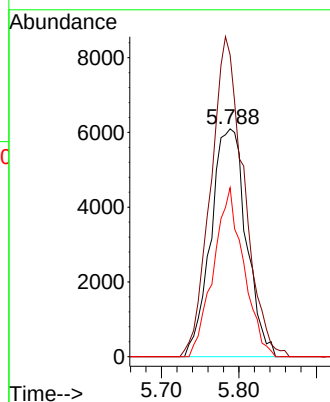
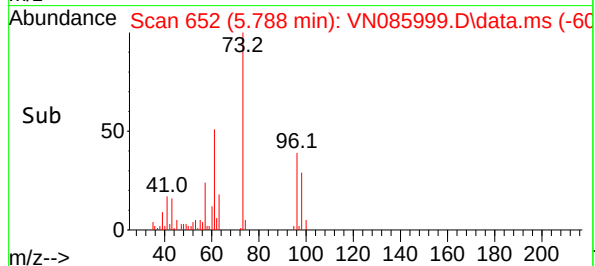
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 96 Resp: 19340
Ion Ratio Lower Upper
96 100
61 132.5 106.6 160.0
98 74.1 50.0 75.0

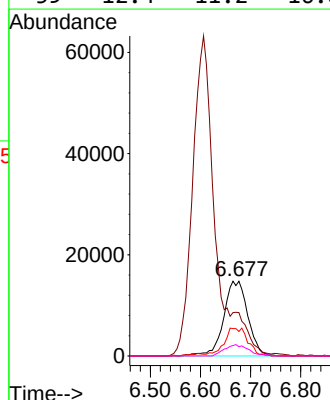
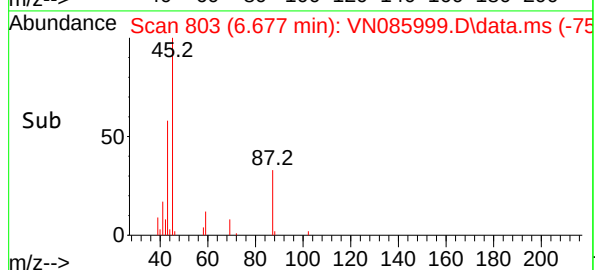
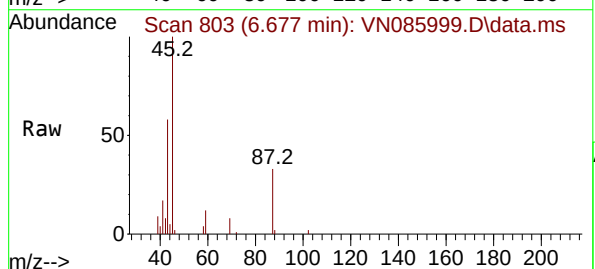
Manual Integrations
APPROVED

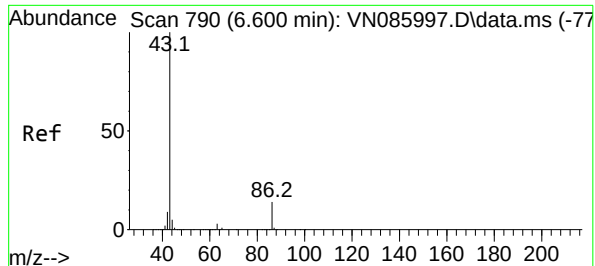
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 10.240 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

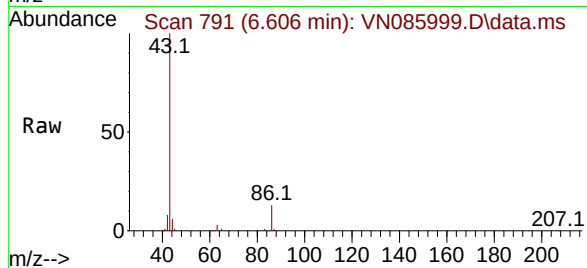
Tgt Ion: 45 Resp: 49389
Ion Ratio Lower Upper
45 100
43 55.4 41.2 61.8
87 32.8 28.5 42.7
59 12.4 11.2 16.8





#23
Vinyl Acetate
Concen: 49.277 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

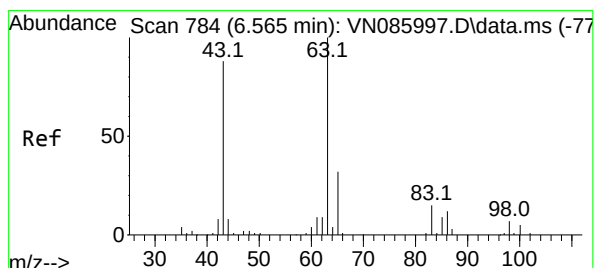
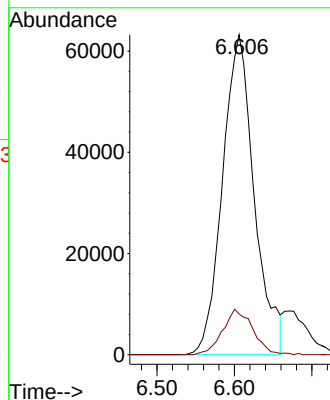
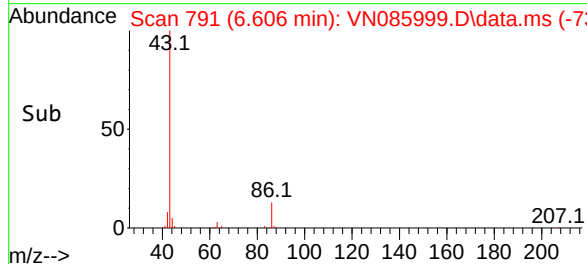
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 18018
Ion Ratio Lower Upper
43 100
86 12.7 11.2 16.8

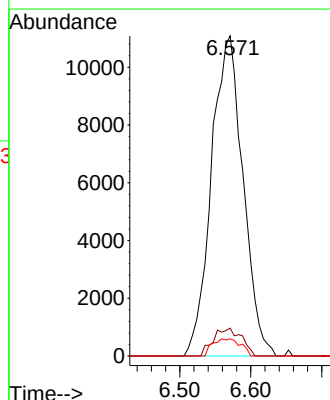
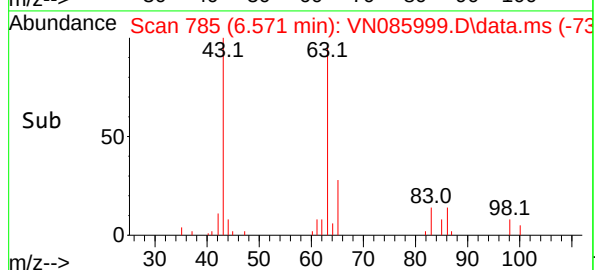
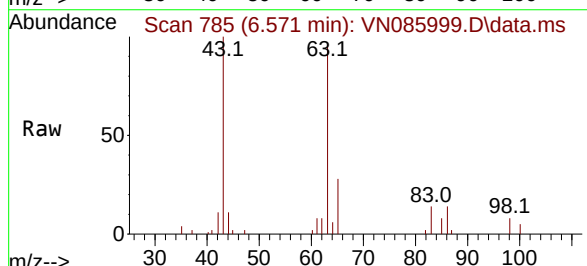
Manual Integrations
APPROVED

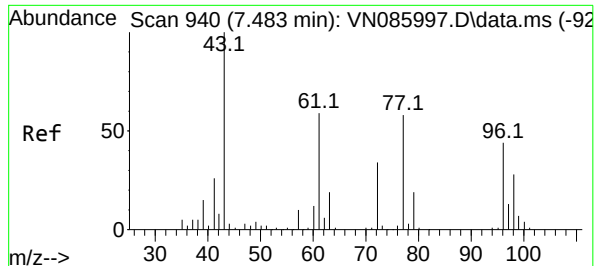
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#24
1,1-Dichloroethane
Concen: 9.669 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 63 Resp: 34294
Ion Ratio Lower Upper
63 100
98 8.7 3.6 10.9
100 5.4 2.5 7.5





#25

2-Butanone

Concen: 49.267 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 5266

Ion Ratio Lower Upper

43 100

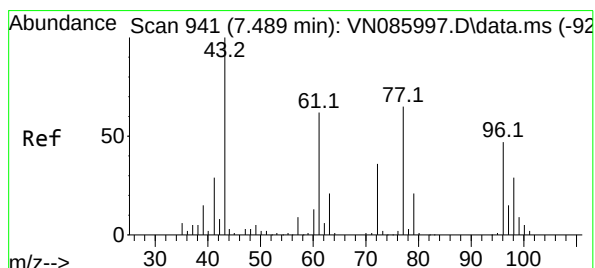
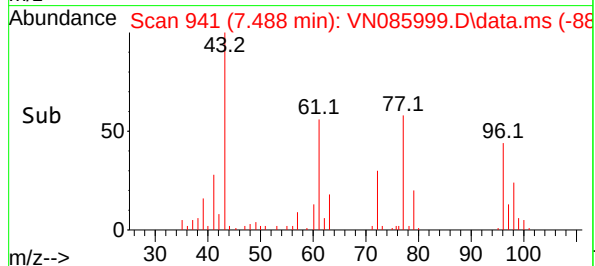
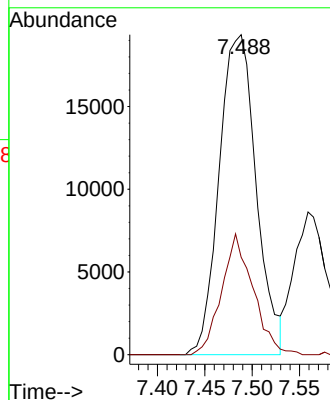
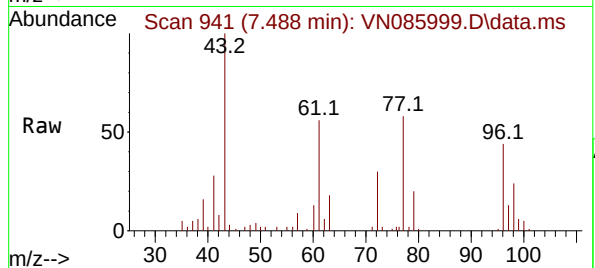
72 30.4 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#26

2,2-Dichloropropane

Concen: 9.598 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.006 min

Lab File: VN085999.D

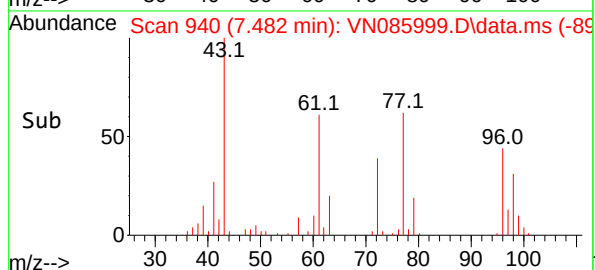
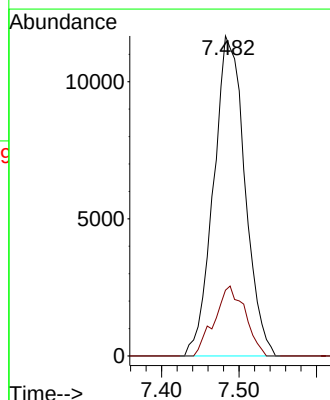
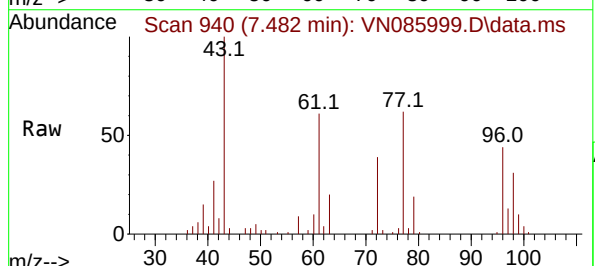
Acq: 18 Mar 2025 12:57

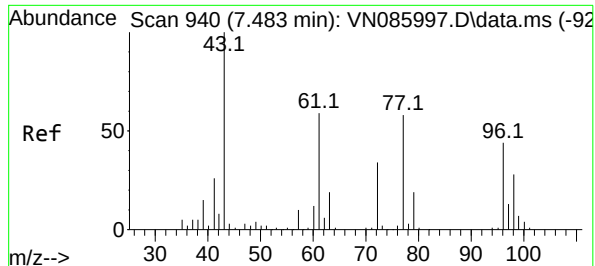
Tgt Ion: 77 Resp: 32775

Ion Ratio Lower Upper

77 100

97 21.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 9.695 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion: 96 Resp: 2184

Ion Ratio Lower Upper

96 100

61 139.2 0.0 272.8

98 66.7 0.0 124.8

Instrument :

MSVOA_N

ClientSampleId :

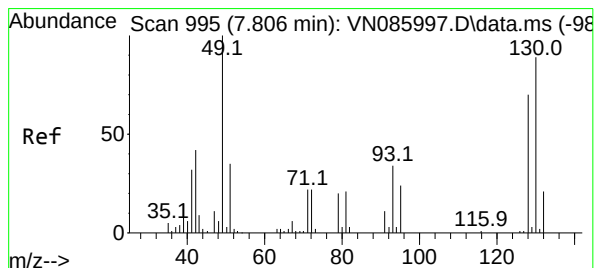
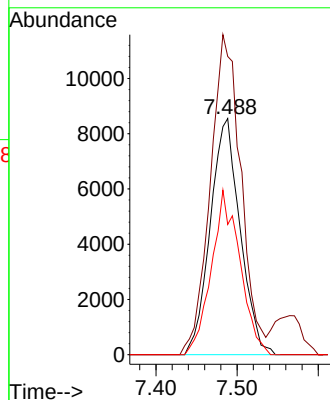
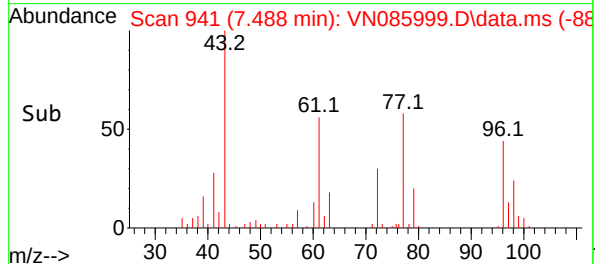
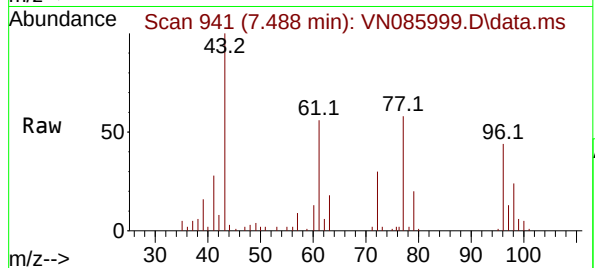
VSTDIC010

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#28

Bromochloromethane

Concen: 9.512 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

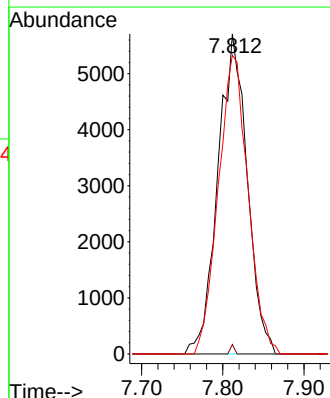
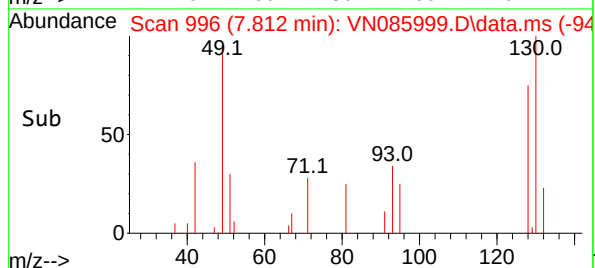
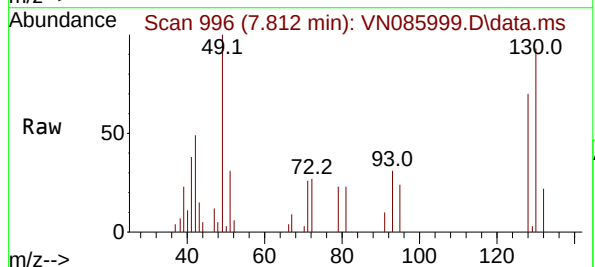
Tgt Ion: 49 Resp: 14293

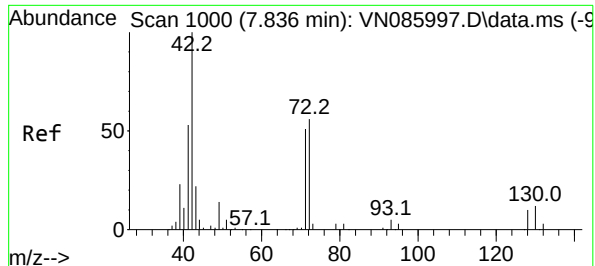
Ion Ratio Lower Upper

49 100

129 0.4 0.0 4.2

130 94.8 74.2 111.4





#29

Tetrahydrofuran

Concen: 50.716 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

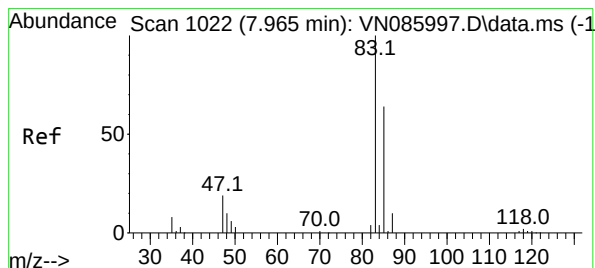
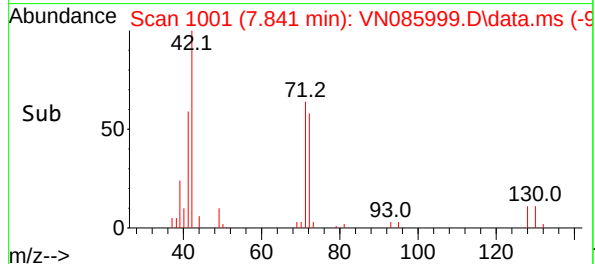
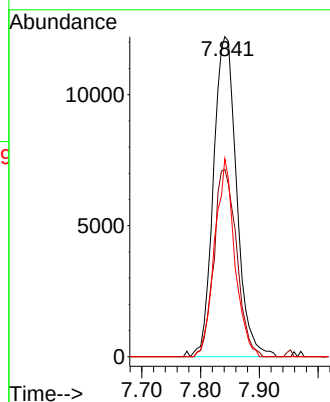
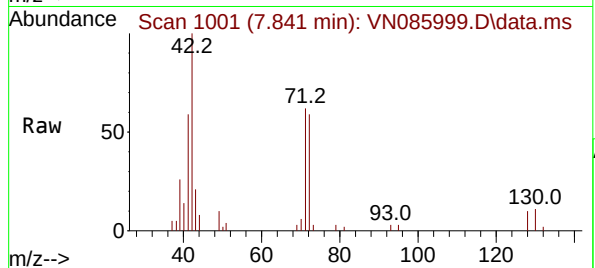
Tgt Ion:	42	Resp:	33470
Ion	Ratio	Lower	Upper
42	100		
72	57.6	45.0	67.4
71	53.6	41.9	62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 9.948 ug/l

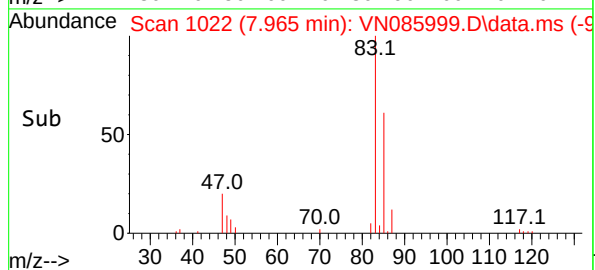
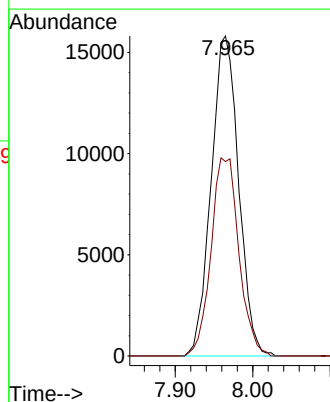
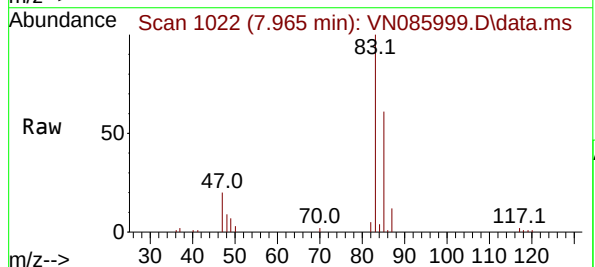
RT: 7.965 min Scan# 1022

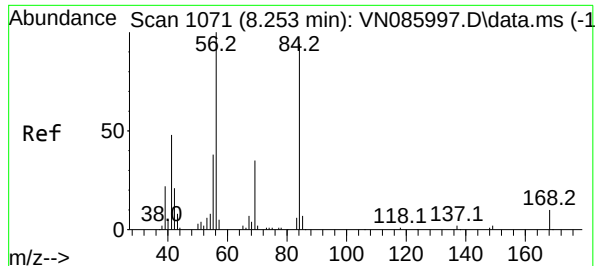
Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:	83	Resp:	38998
Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.5	77.3





#31

Cyclohexane

Concen: 10.006 ug/l

RT: 8.259 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 30234

Ion Ratio Lower Upper

56 100

69 30.7 28.0 42.0

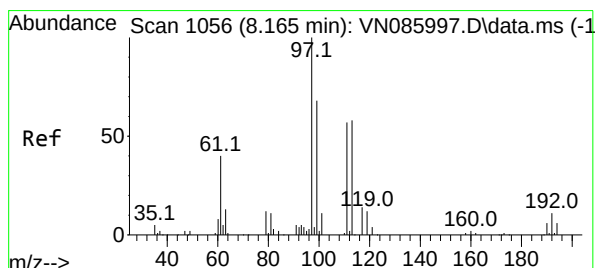
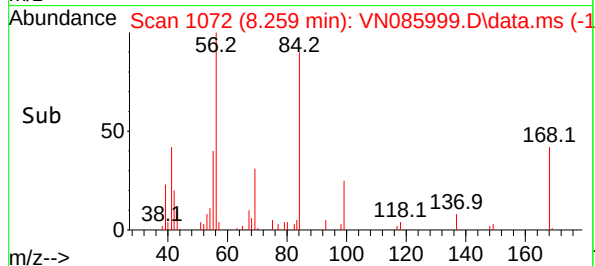
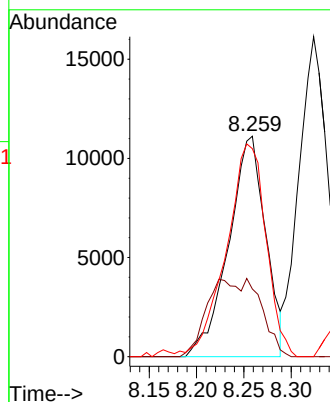
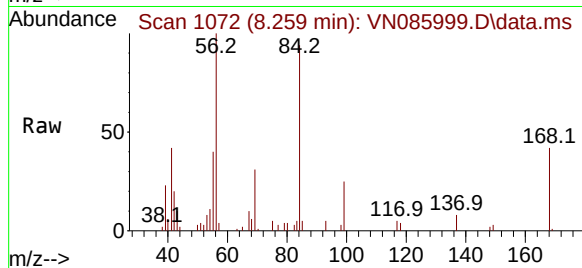
84 91.8 75.0 112.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#32

1,1,1-Trichloroethane

Concen: 9.784 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

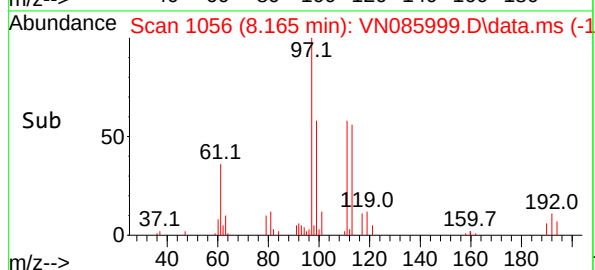
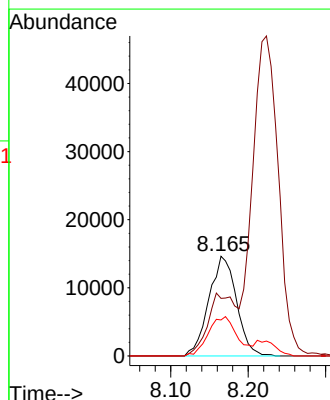
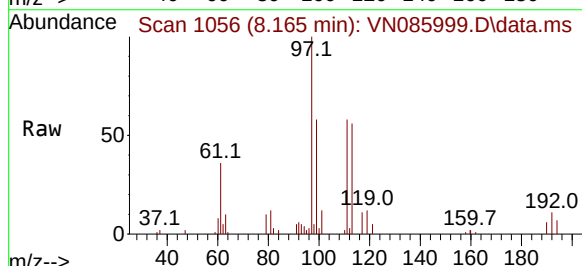
Tgt Ion: 97 Resp: 36307

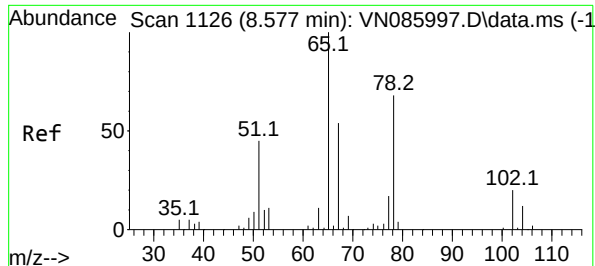
Ion Ratio Lower Upper

97 100

99 64.2 52.8 79.2

61 41.6 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 10.524 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 65 Resp: 25519

Ion Ratio Lower Upper

65 100

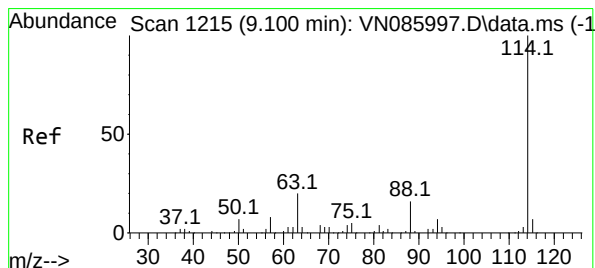
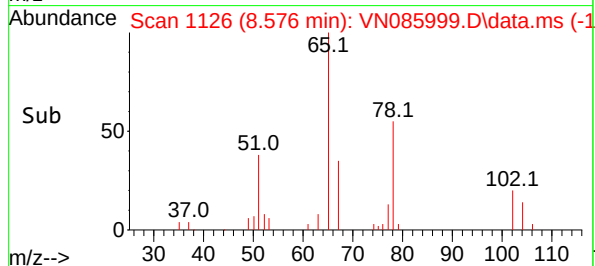
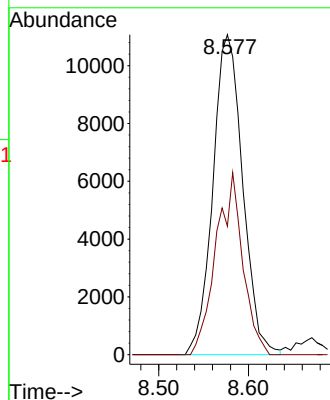
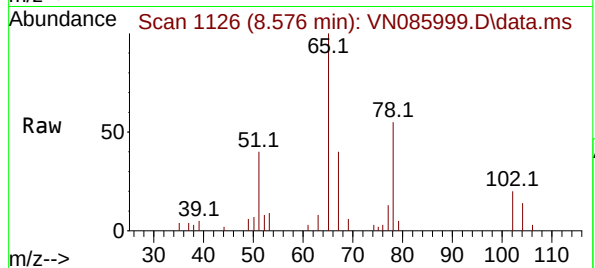
67 51.0 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

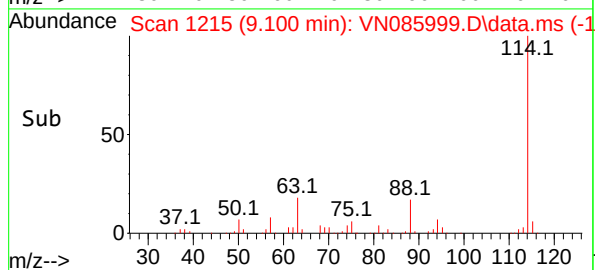
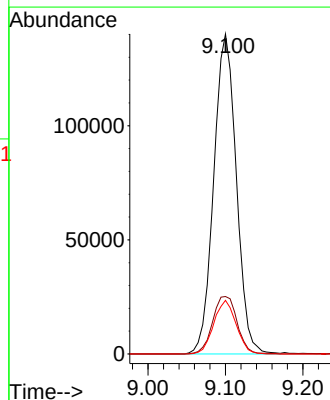
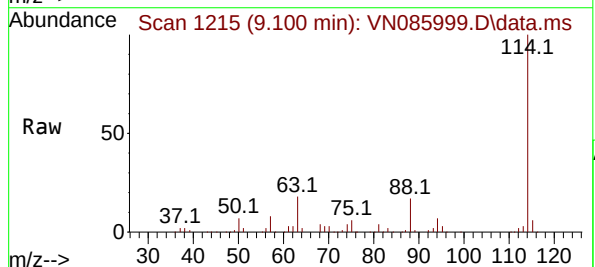
Tgt Ion:114 Resp: 284484

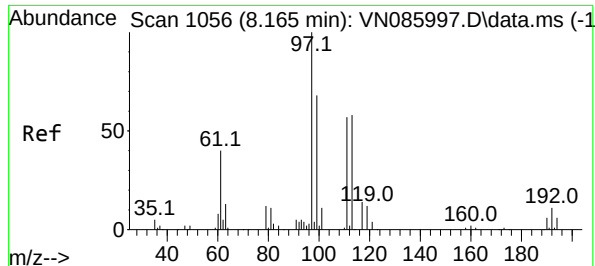
Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 10.374 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:113 Resp: 20600

Ion Ratio Lower Upper

113 100

111 100.7 81.8 122.8

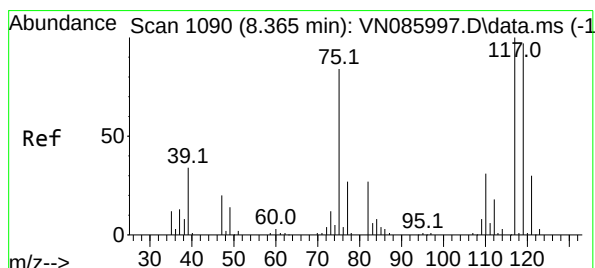
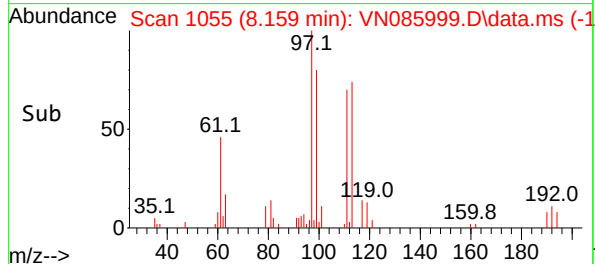
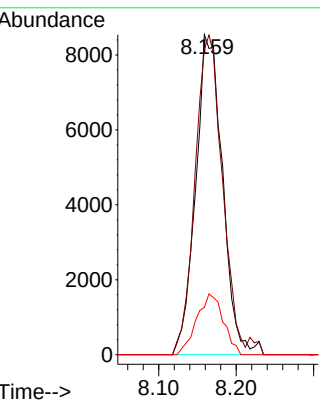
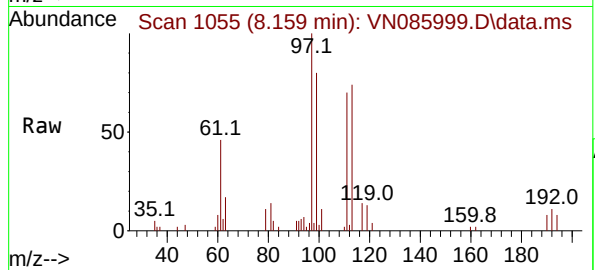
192 18.8 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#36

1,1-Dichloropropene

Concen: 9.644 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

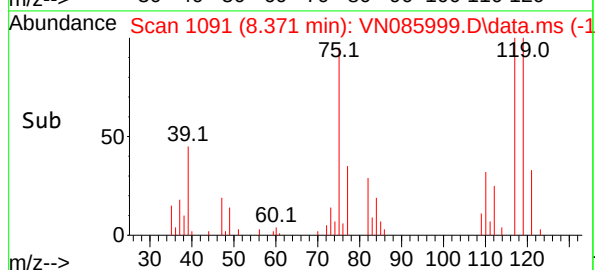
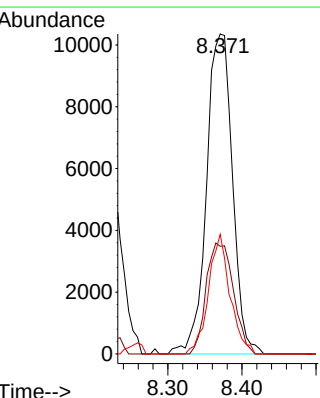
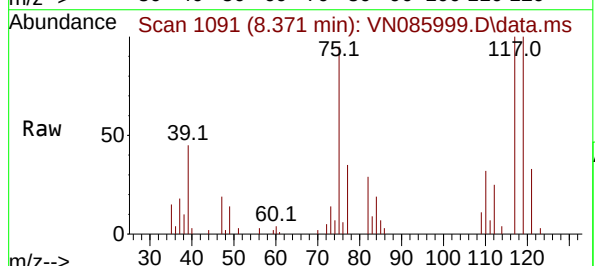
Tgt Ion: 75 Resp: 25215

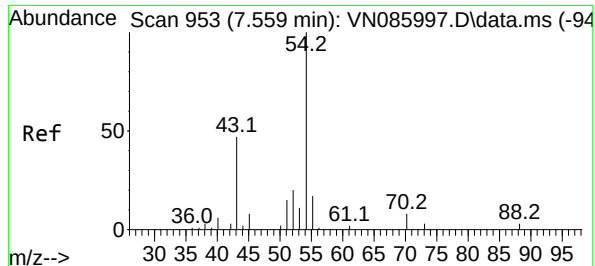
Ion Ratio Lower Upper

75 100

110 36.2 17.8 53.3

77 31.1 25.0 37.4





#37

Ethyl Acetate

Concen: 10.134 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

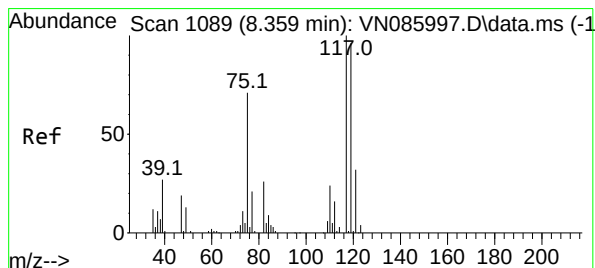
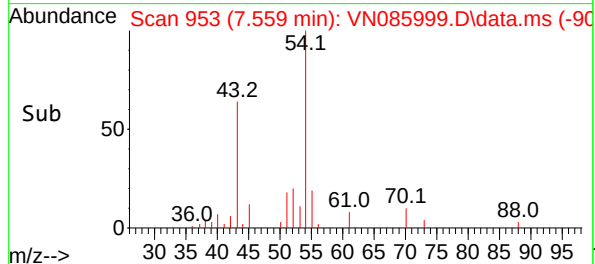
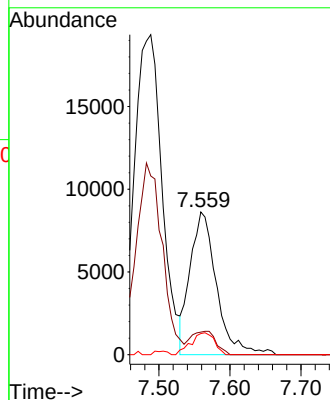
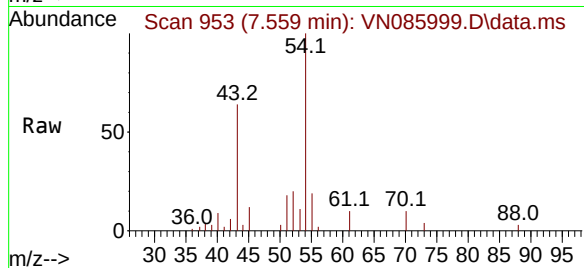
Tgt Ion:	43	Resp:	2235
Ion	Ratio	Lower	Upper
43	100		
61	15.5	13.0	19.4
70	13.6	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#38

Carbon Tetrachloride

Concen: 9.601 ug/l

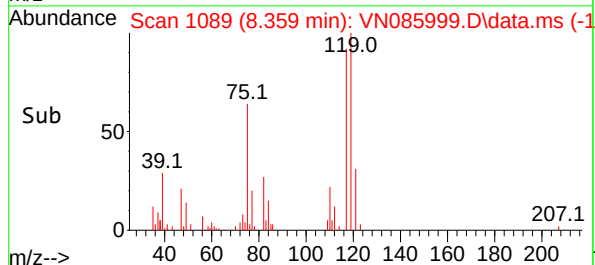
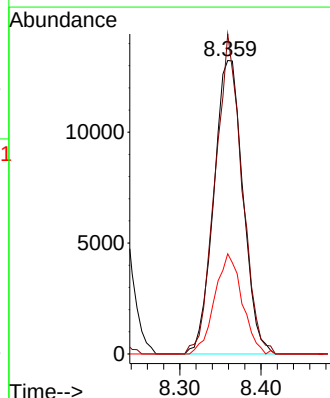
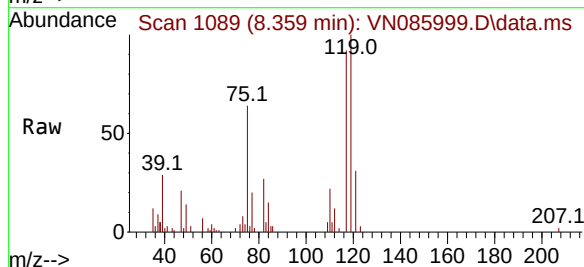
RT: 8.359 min Scan# 1089

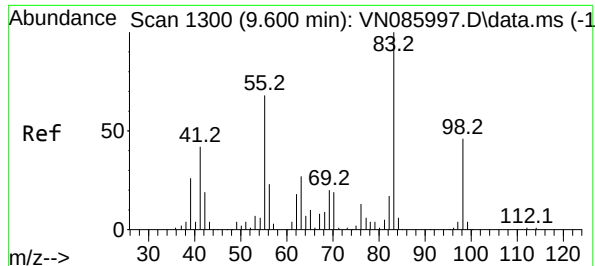
Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:	117	Resp:	33005
Ion	Ratio	Lower	Upper
117	100		
119	109.1	77.0	115.4
121	34.2	25.6	38.4





#39

Methylcyclohexane

Concen: 8.745 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 83 Resp: 2268

Ion Ratio Lower Upper

83 100

55 78.8 54.2 81.2

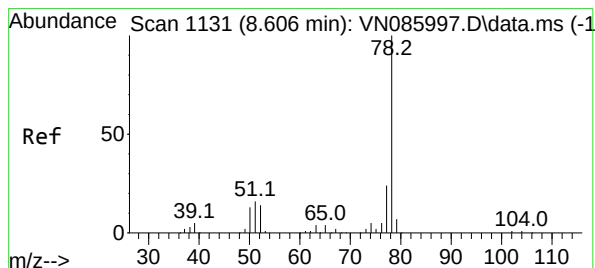
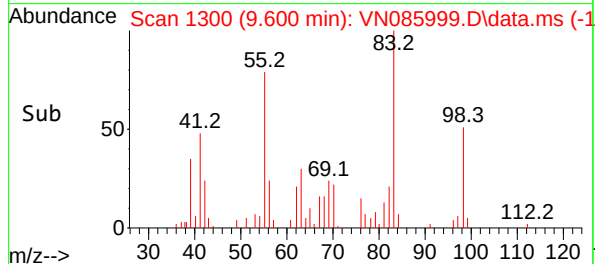
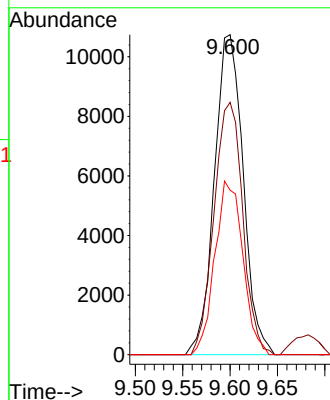
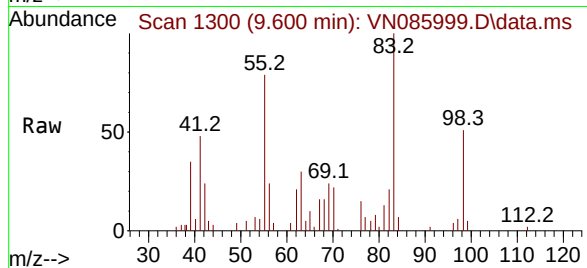
98 51.4 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#40

Benzene

Concen: 9.606 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN085999.D

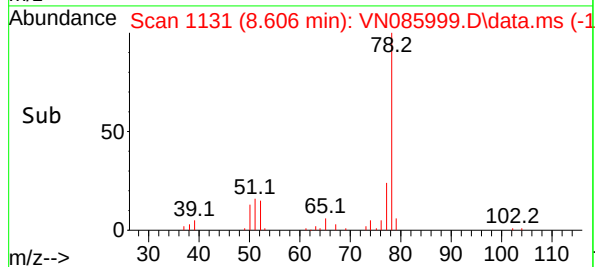
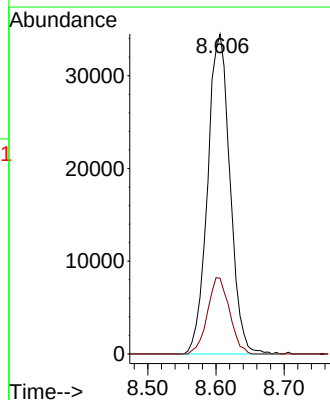
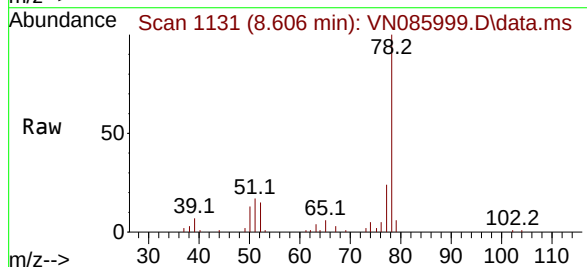
Acq: 18 Mar 2025 12:57

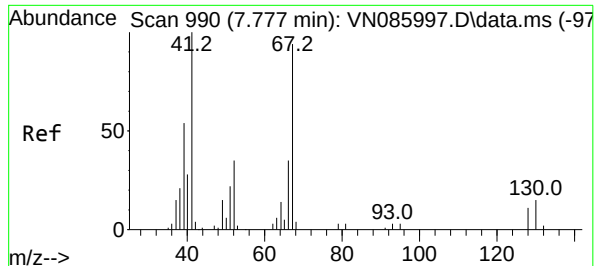
Tgt Ion: 78 Resp: 78849

Ion Ratio Lower Upper

78 100

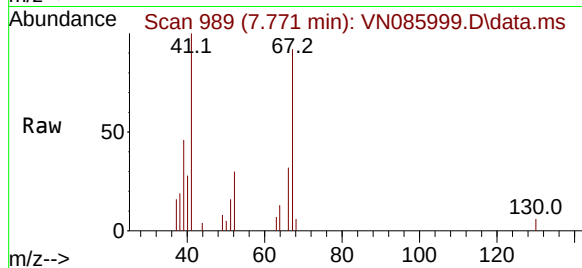
77 23.6 18.9 28.3





#41
Methacrylonitrile
Concen: 10.306 ug/l
RT: 7.771 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

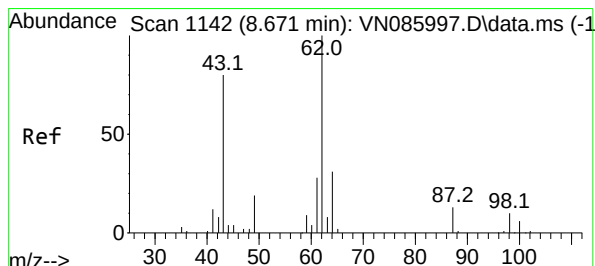
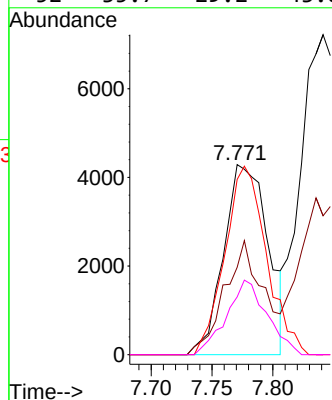
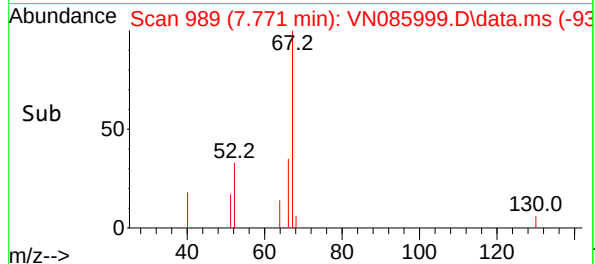
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 41 Resp: 1085
Ion Ratio Lower Upper
41 100
39 52.5 46.2 69.2
67 93.3 75.9 113.9
52 35.7 29.2 43.8

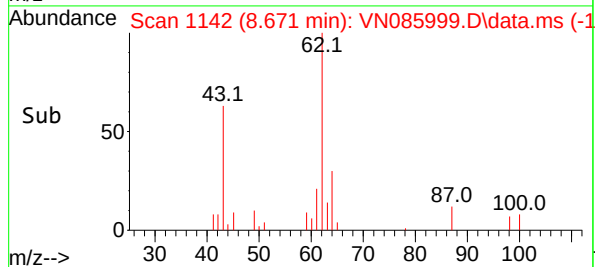
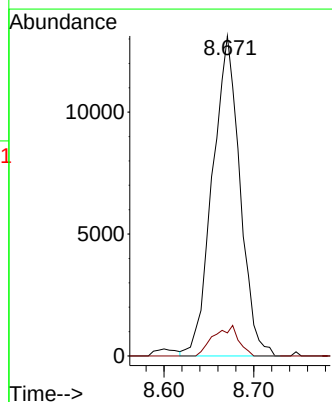
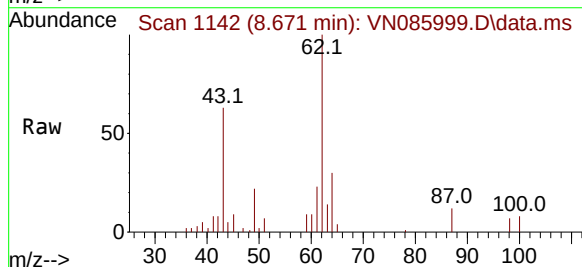
Manual Integrations
APPROVED

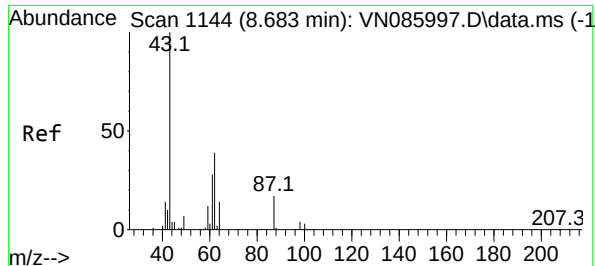
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#42
1,2-Dichloroethane
Concen: 9.776 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 62 Resp: 27959
Ion Ratio Lower Upper
62 100
98 8.6 0.0 18.6





#43

Isopropyl Acetate

Concen: 10.518 ug/l m

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

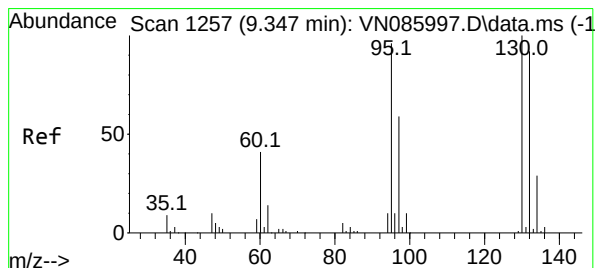
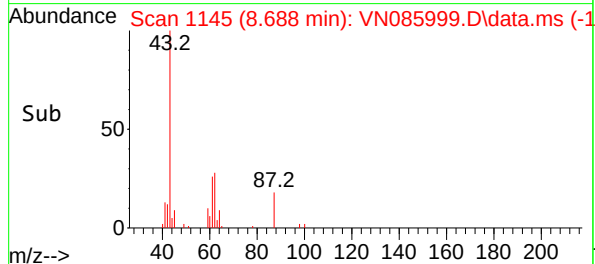
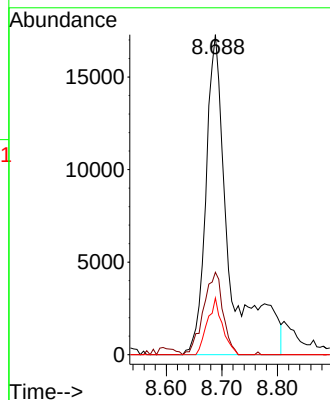
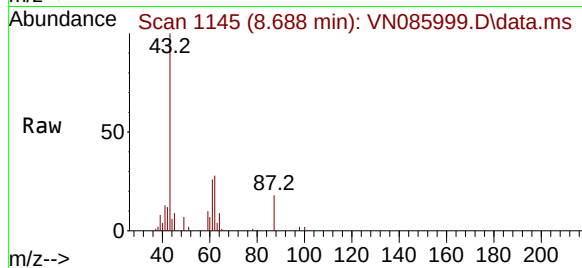
Tgt Ion: 43	Resp: 5038
Ion Ratio	Lower Upper
43	100
61	21.4 25.0 37.6
87	11.4 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#44

Trichloroethene

Concen: 9.446 ug/l

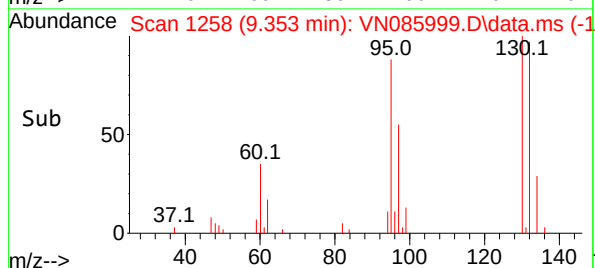
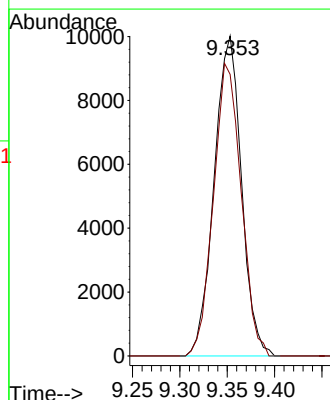
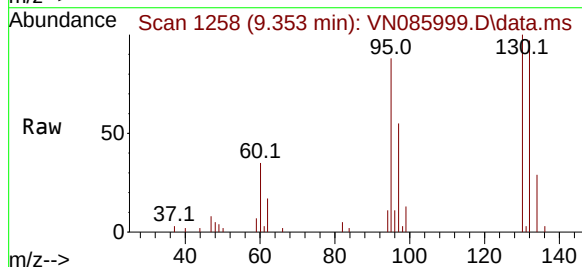
RT: 9.353 min Scan# 1258

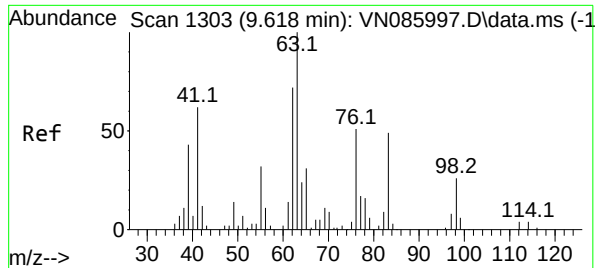
Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:130	Resp: 20094
Ion Ratio	Lower Upper
130	100
95	88.0 0.0 191.6





#45

1,2-Dichloropropane

Concen: 9.791 ug/l

RT: 9.623 min Scan# 1304

Delta R.T. 0.006 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Tgt Ion: 63 Resp: 18278

Ion Ratio Lower Upper

63 100

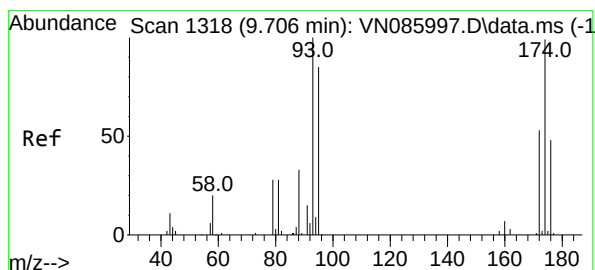
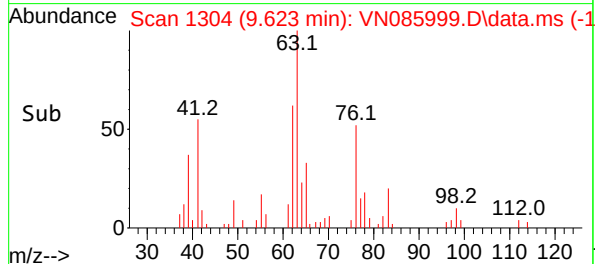
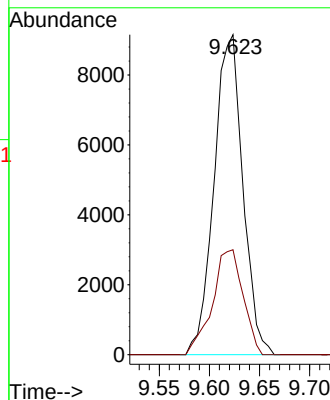
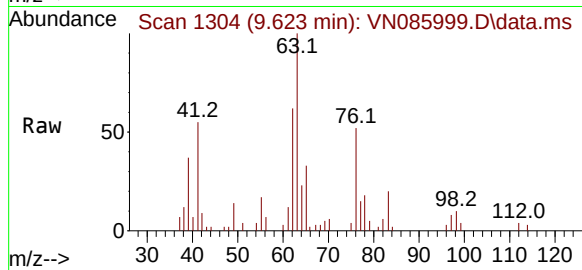
65 32.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#46

Dibromomethane

Concen: 9.709 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

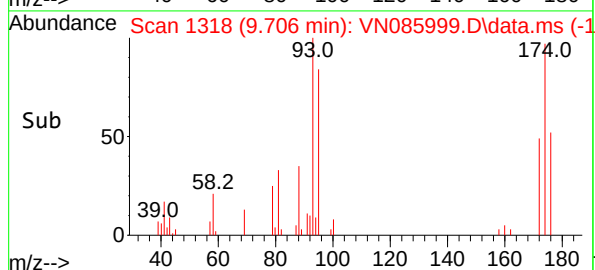
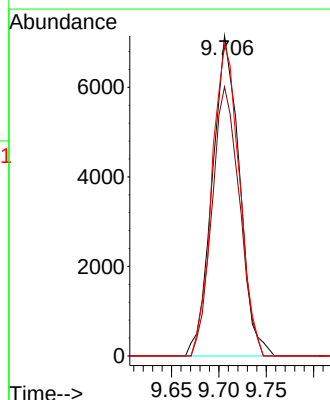
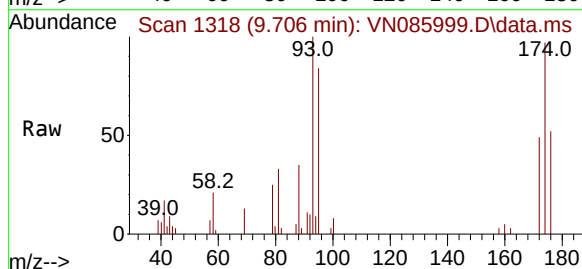
Tgt Ion: 93 Resp: 14254

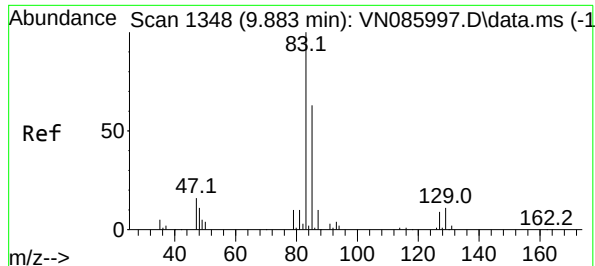
Ion Ratio Lower Upper

93 100

95 85.0 66.2 99.2

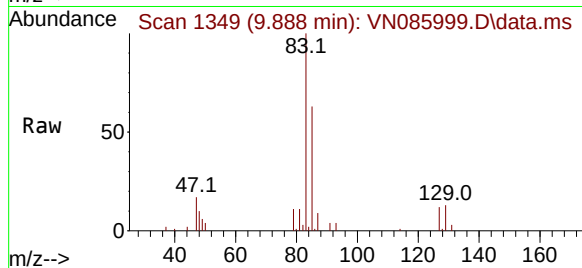
174 97.9 80.1 120.1





#47
Bromodichloromethane
Concen: 9.558 ug/l
RT: 9.888 min Scan# 1348
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

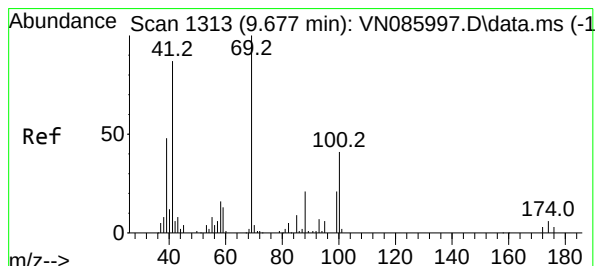
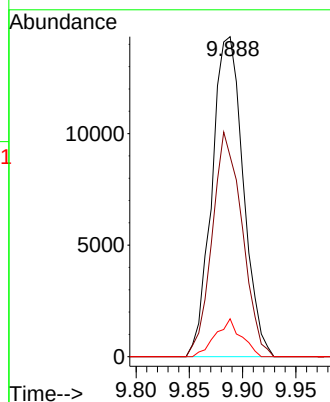
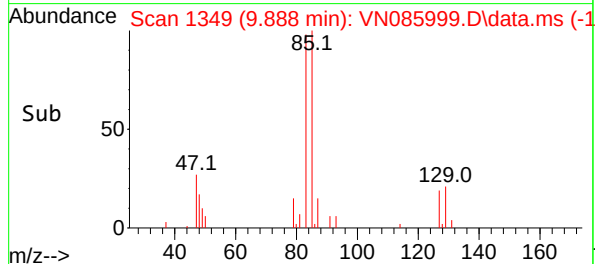
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 83 Resp: 29320
Ion Ratio Lower Upper
83 100
85 62.6 50.2 75.2
127 11.8 7.1 10.7

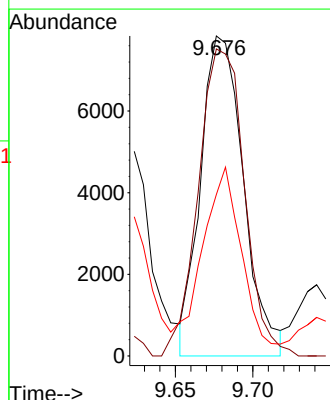
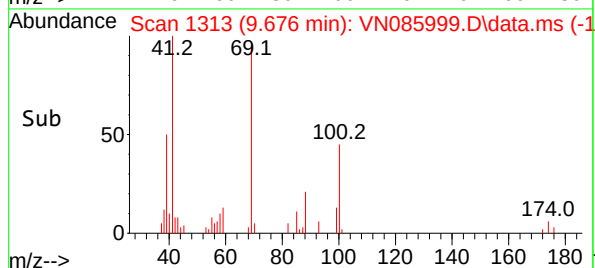
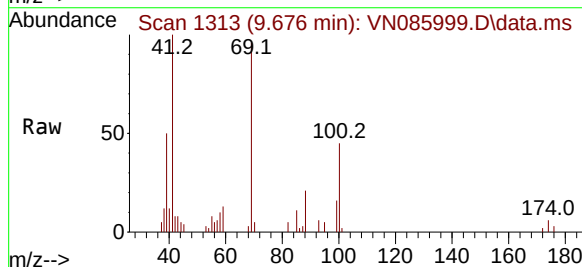
Manual Integrations
APPROVED

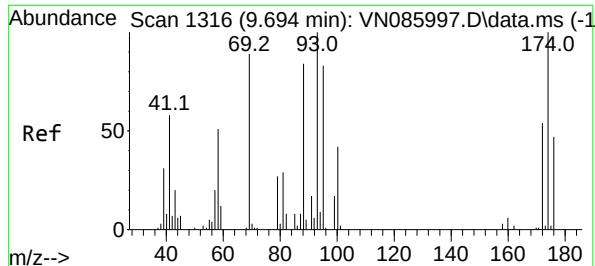
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#48
Methyl methacrylate
Concen: 9.570 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 41 Resp: 15095
Ion Ratio Lower Upper
41 100
69 103.0 83.1 124.7
39 55.6 45.6 68.4





#49

1,4-Dioxane

Concen: 218.227 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 88 Resp: 813

Ion Ratio Lower Upper

88 100

43 23.8 21.7 32.5

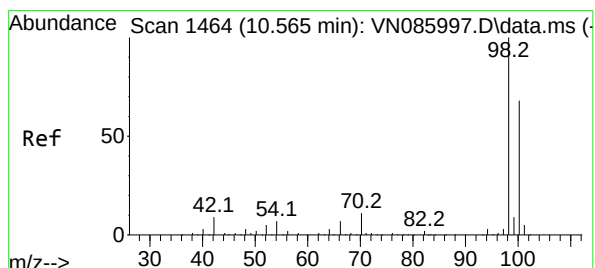
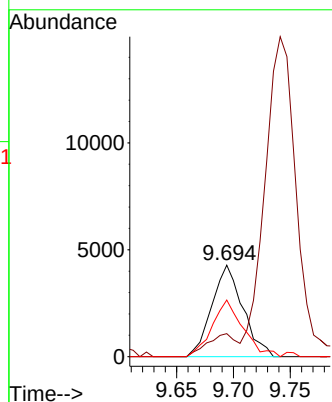
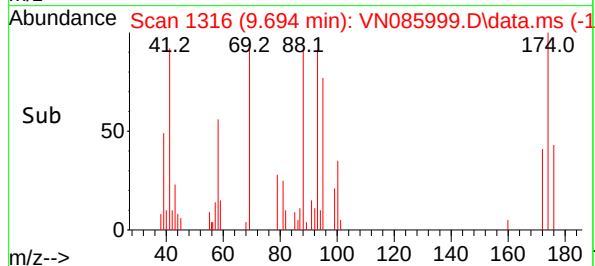
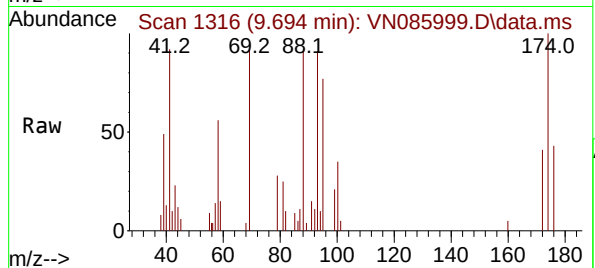
58 61.5 50.4 75.6

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#50

Toluene-d8

Concen: 10.174 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085999.D

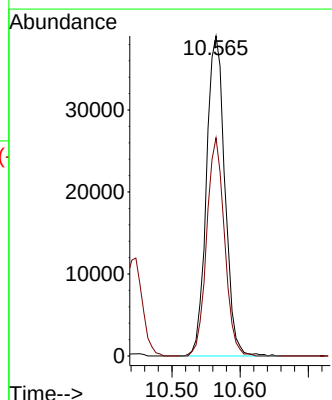
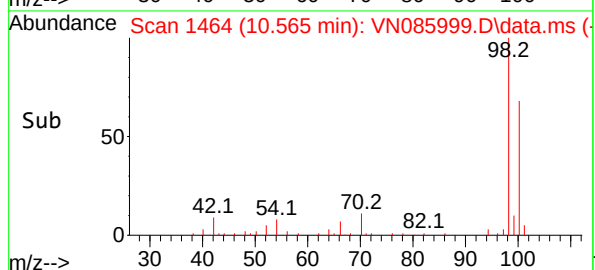
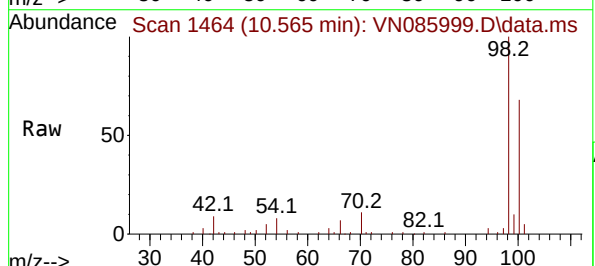
Acq: 18 Mar 2025 12:57

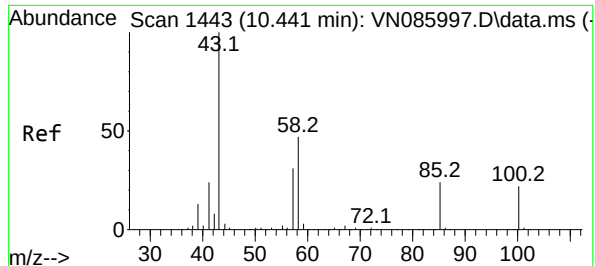
Tgt Ion: 98 Resp: 73317

Ion Ratio Lower Upper

98 100

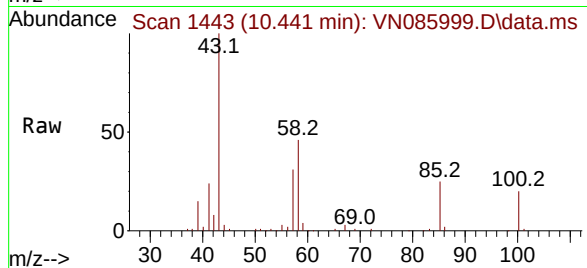
100 65.8 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 51.326 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

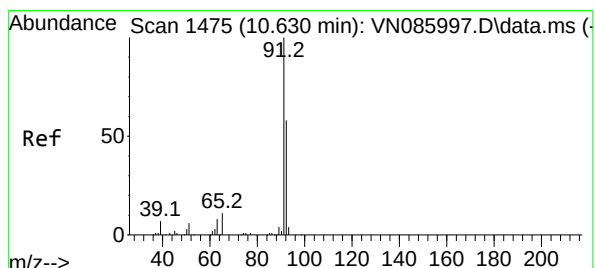
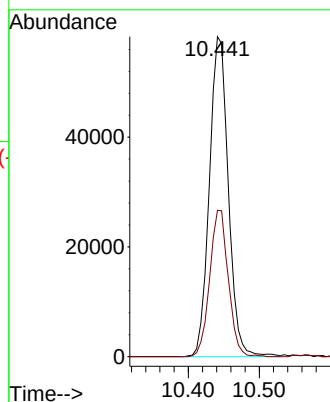
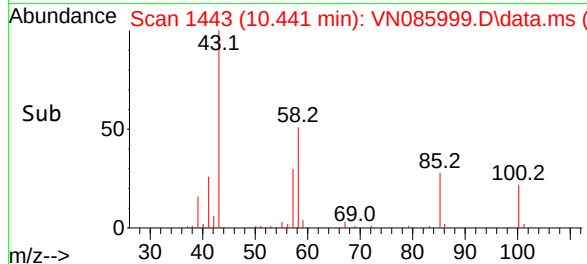
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 43 Resp: 108190
Ion Ratio Lower Upper
43 100
58 44.9 37.4 56.0

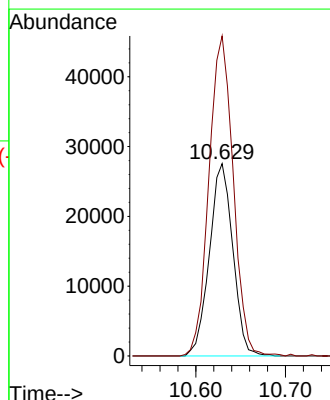
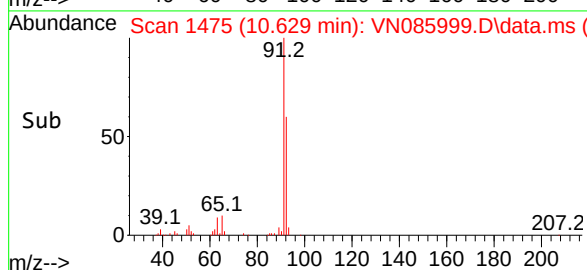
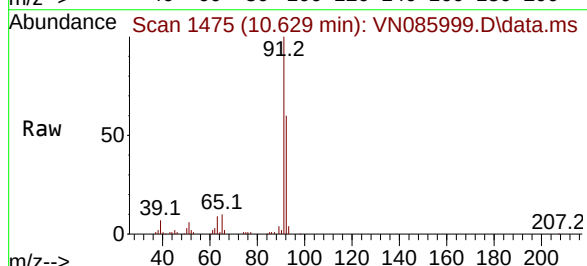
Manual Integrations
APPROVED

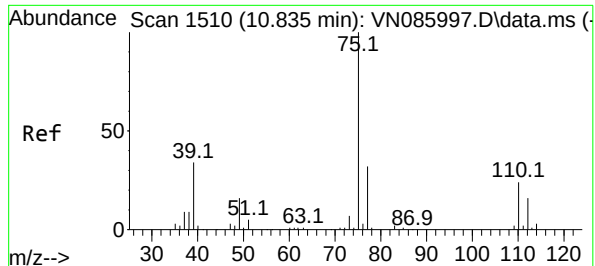
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#52
Toluene
Concen: 9.915 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

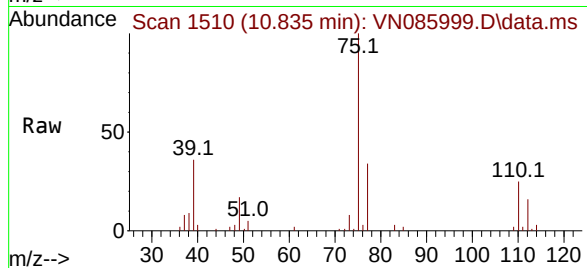
Tgt Ion: 92 Resp: 49947
Ion Ratio Lower Upper
92 100
91 172.4 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 9.670 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

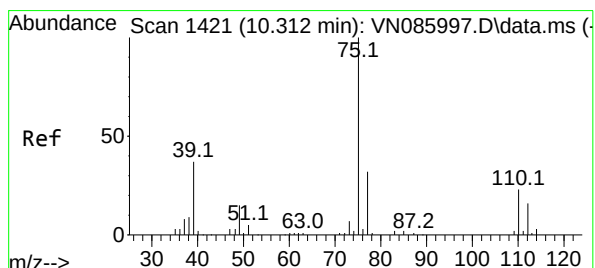
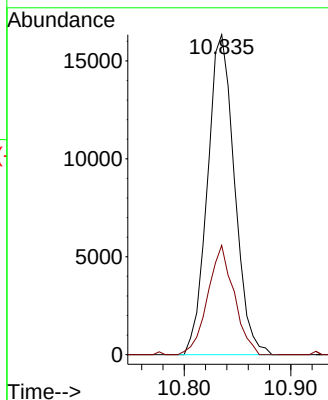
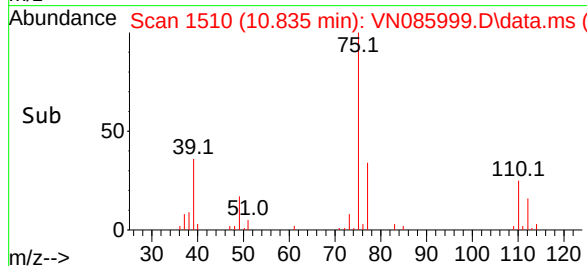
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion: 75 Resp: 2881
Ion Ratio Lower Upper
75 100
77 34.2 25.3 37.9

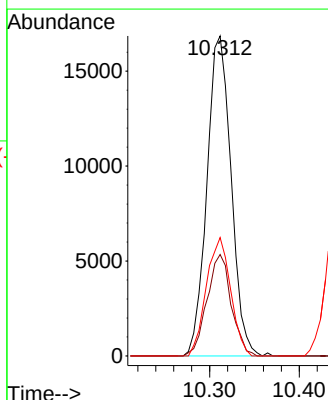
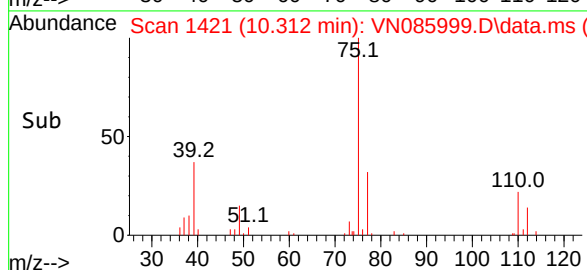
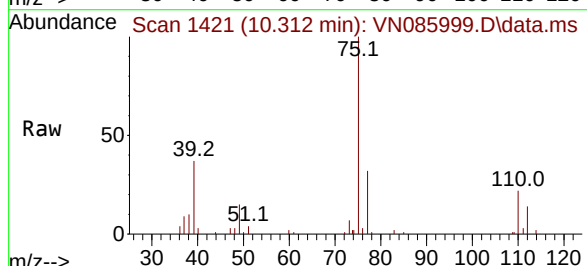
Manual Integrations
APPROVED

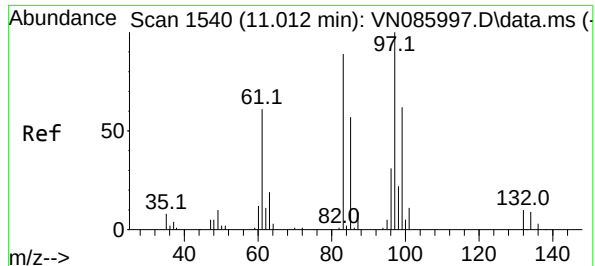
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#54
cis-1,3-Dichloropropene
Concen: 10.042 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

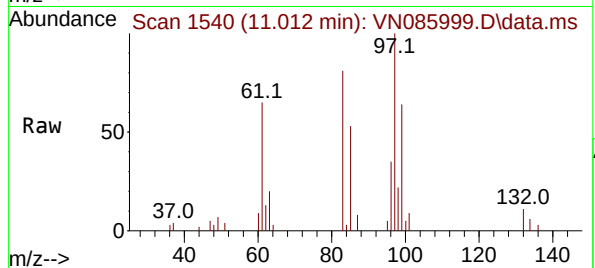
Tgt Ion: 75 Resp: 31572
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9
39 37.0 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 9.767 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

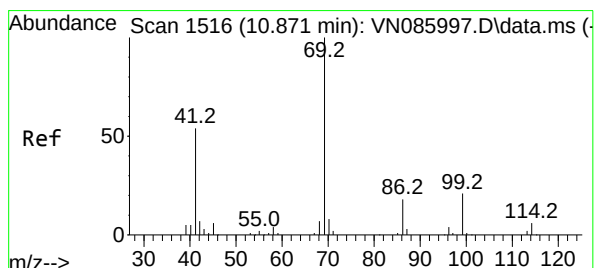
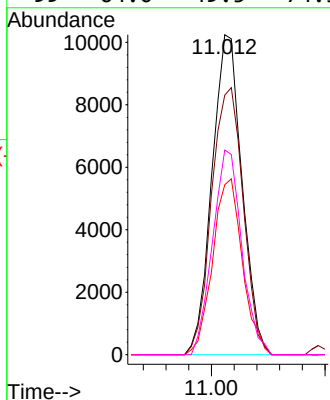
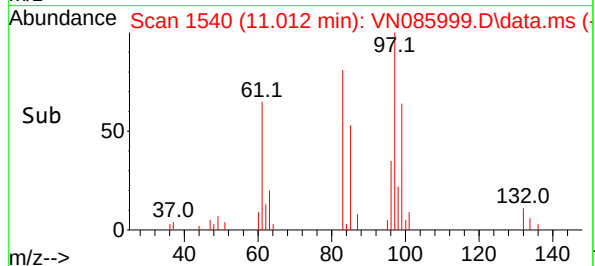
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



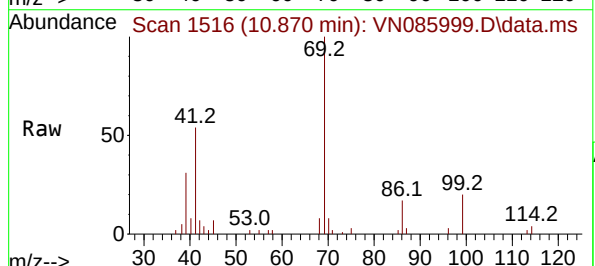
Tgt Ion: 97 Resp: 18779
Ion Ratio Lower Upper
97 100
83 81.1 71.2 106.8
85 53.1 45.4 68.0
99 64.0 49.5 74.3

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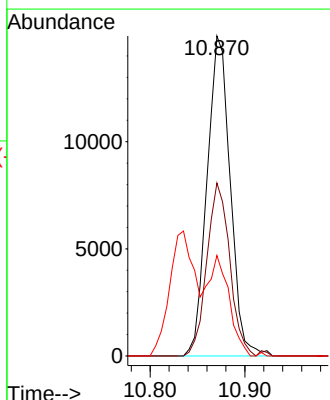
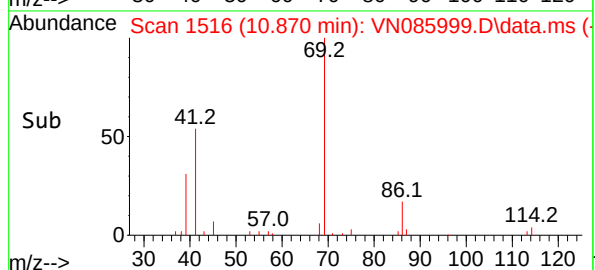
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

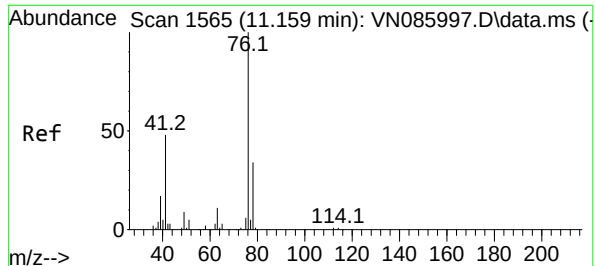


#56
Ethyl methacrylate
Concen: 10.180 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.001 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57



Tgt Ion: 69 Resp: 25340
Ion Ratio Lower Upper
69 100
41 53.5 41.6 62.4
39 25.1 21.8 32.8





#57

1,3-Dichloropropane

Concen: 9.957 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 76 Resp: 32510

Ion Ratio Lower Upper

76 100

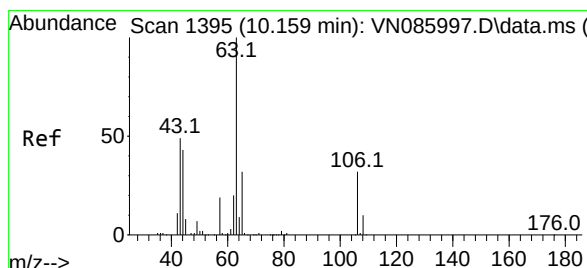
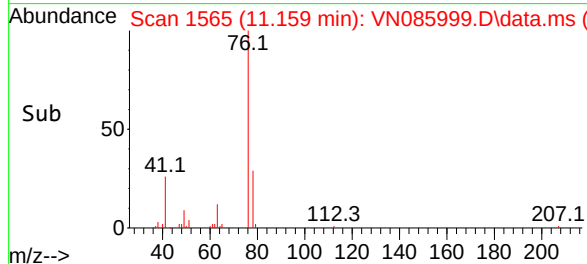
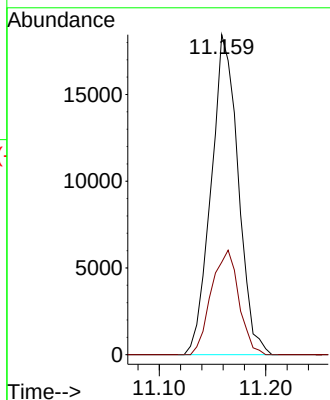
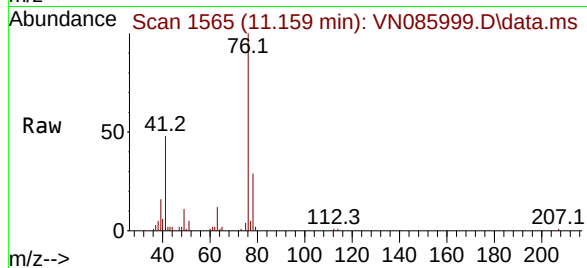
78 33.2 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 60.781 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN085999.D

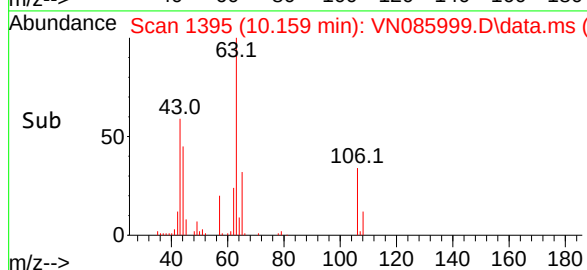
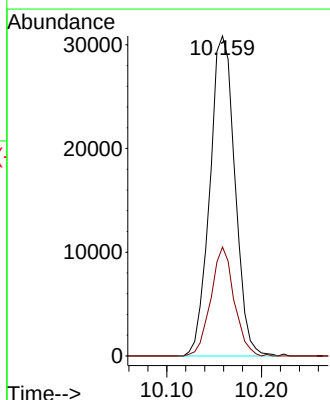
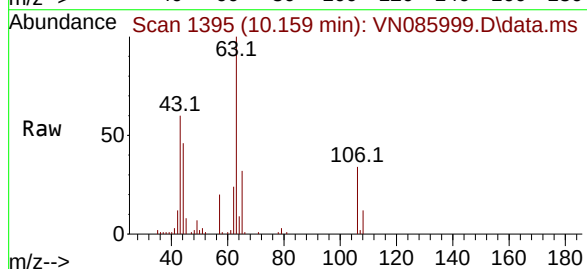
Acq: 18 Mar 2025 12:57

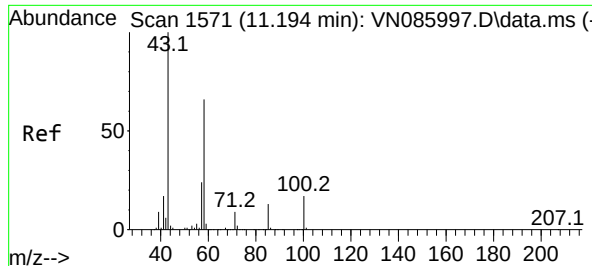
Tgt Ion: 63 Resp: 56781

Ion Ratio Lower Upper

63 100

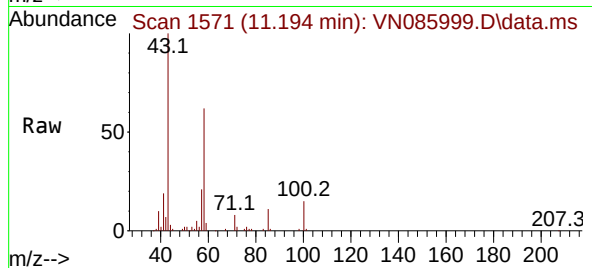
106 31.6 25.0 37.6





#59
2-Hexanone
Concen: 49.939 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

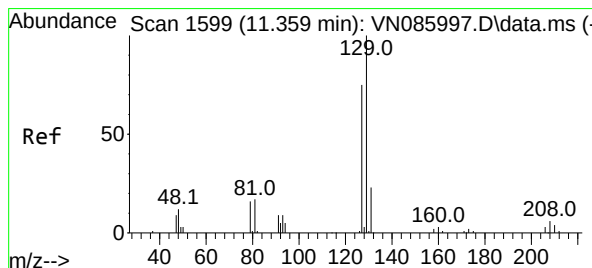
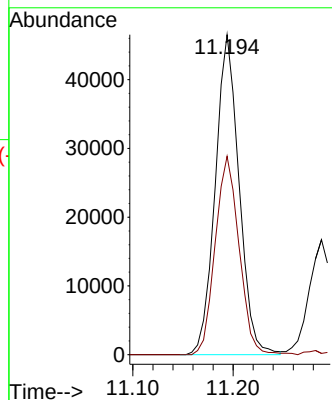
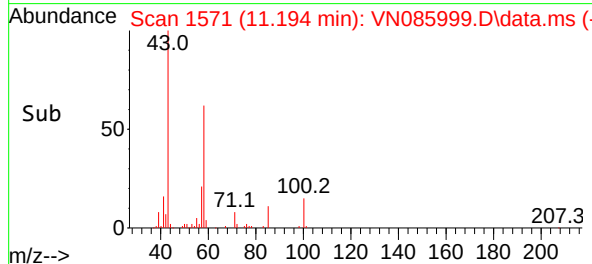
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 43 Resp: 76690
Ion Ratio Lower Upper
43 100
58 62.2 32.4 97.2

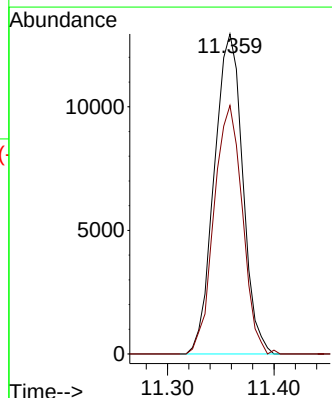
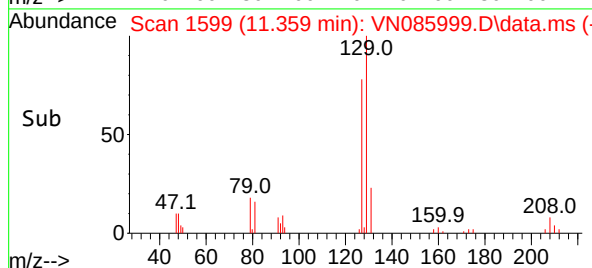
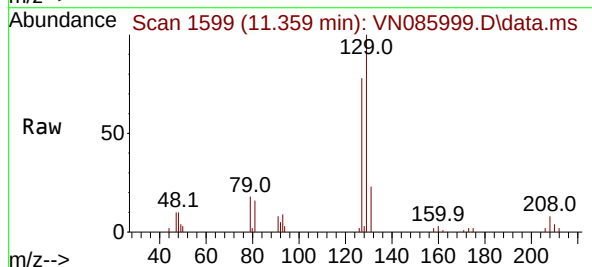
Manual Integrations
APPROVED

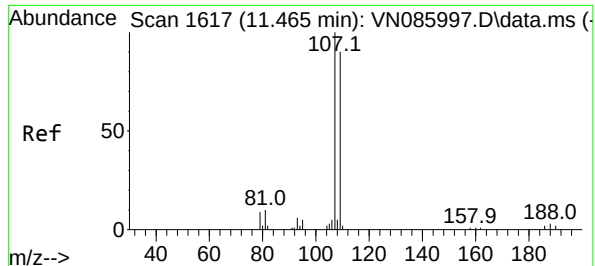
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#60
Dibromochloromethane
Concen: 9.685 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

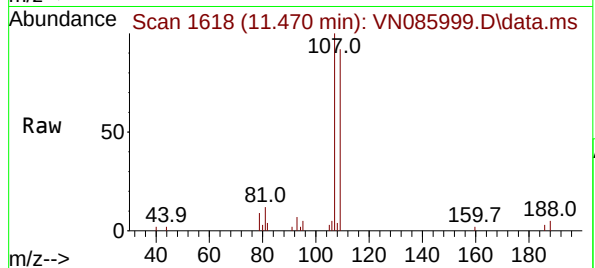
Tgt Ion:129 Resp: 24029
Ion Ratio Lower Upper
129 100
127 77.5 37.8 113.4





#61
1,2-Dibromoethane
Concen: 9.879 ug/l
RT: 11.470 min Scan# 1617
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

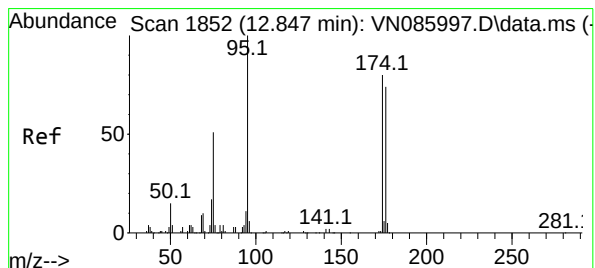
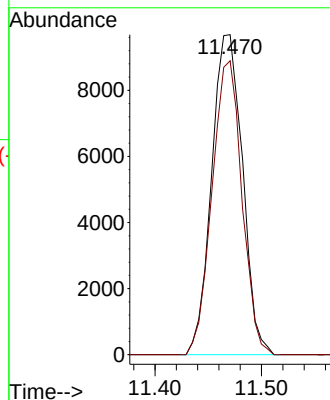
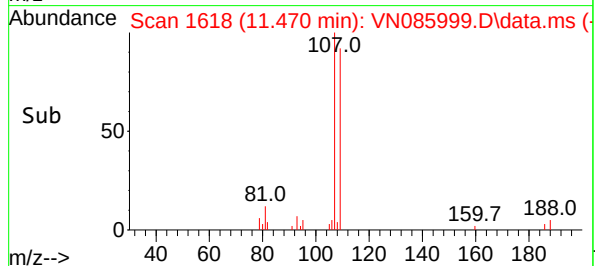
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion:107 Resp: 19500
Ion Ratio Lower Upper
107 100
109 88.9 73.3 109.9

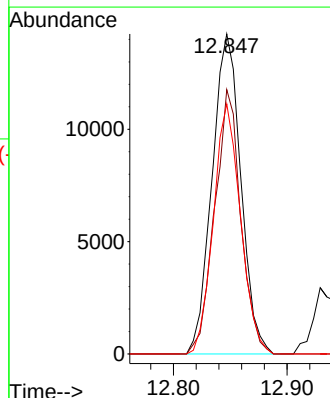
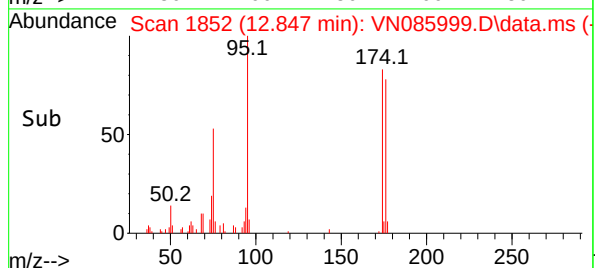
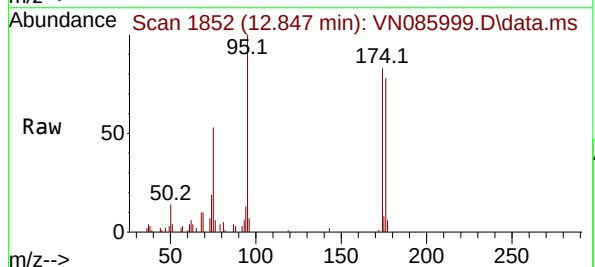
Manual Integrations
APPROVED

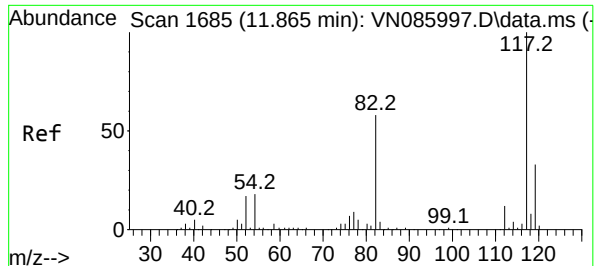
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#62
4-Bromofluorobenzene
Concen: 9.746 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

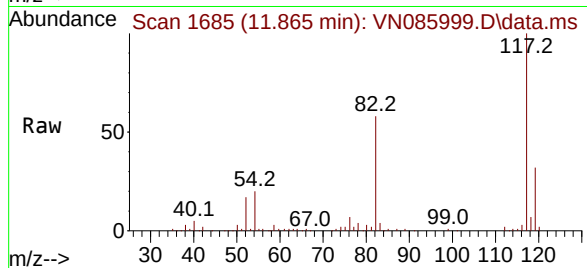
Tgt Ion: 95 Resp: 25049
Ion Ratio Lower Upper
95 100
174 75.2 0.0 156.8
176 73.8 0.0 152.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

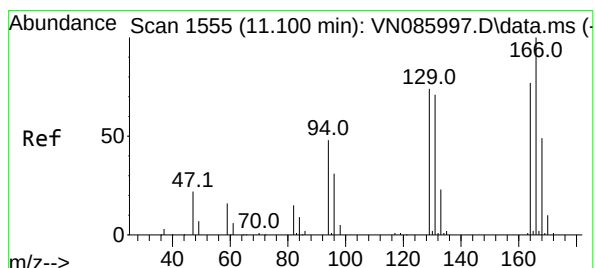
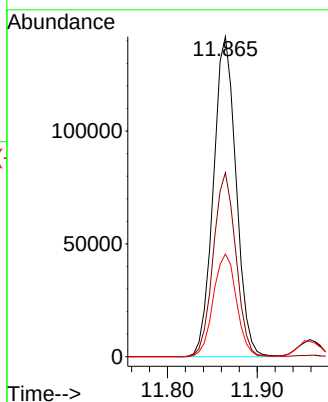
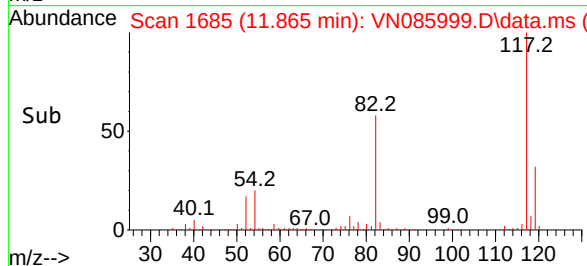
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



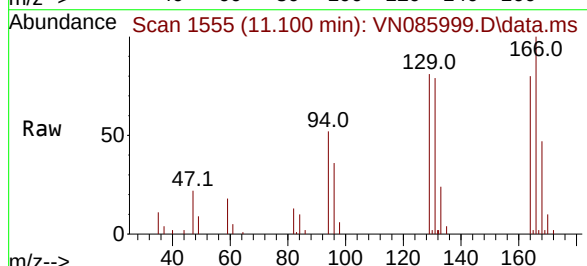
Tgt Ion:117 Resp: 249100
Ion Ratio Lower Upper
117 100
82 57.5 46.7 70.1
119 32.1 26.5 39.7

Manual Integrations
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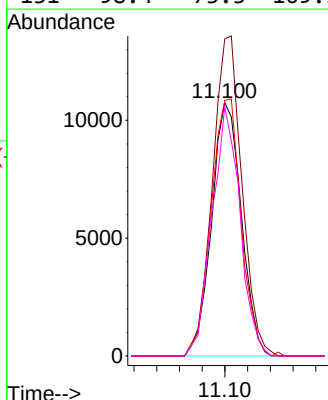
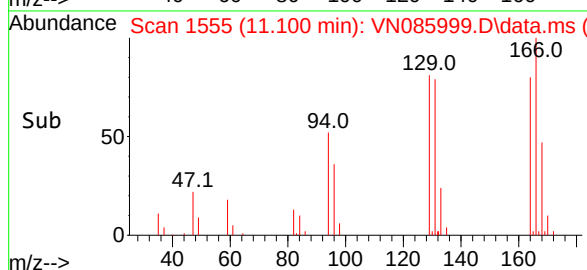
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

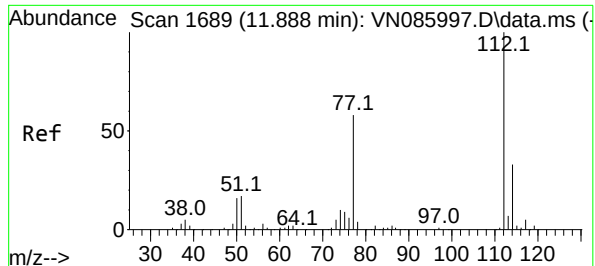


#64
Tetrachloroethene
Concen: 9.781 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57



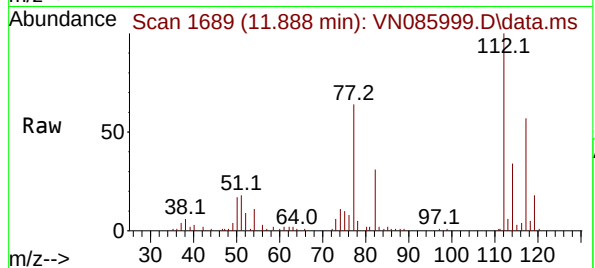
Tgt Ion:164 Resp: 19436
Ion Ratio Lower Upper
164 100
166 125.2 103.7 155.5
129 100.9 77.1 115.7
131 98.4 73.3 109.9





#65
Chlorobenzene
Concen: 9.752 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

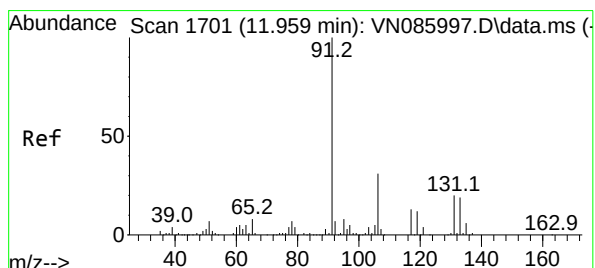
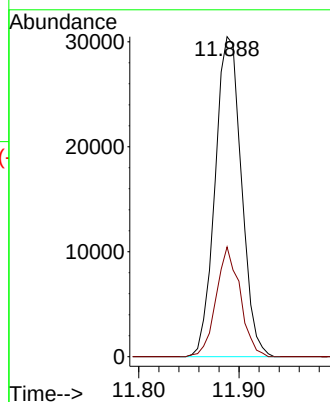
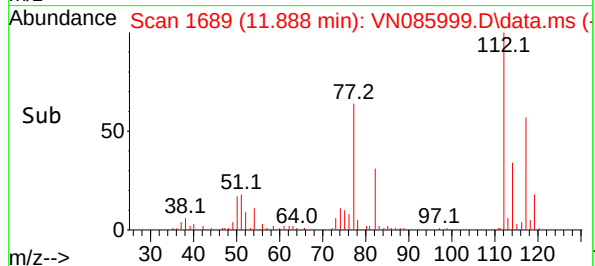
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion:112 Resp: 55590
Ion Ratio Lower Upper
112 100
114 34.3 26.3 39.5

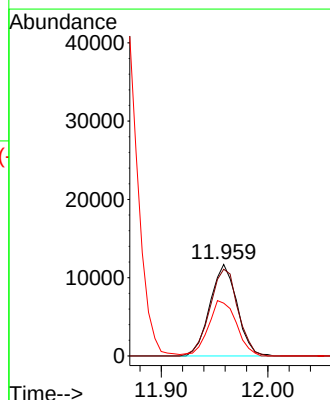
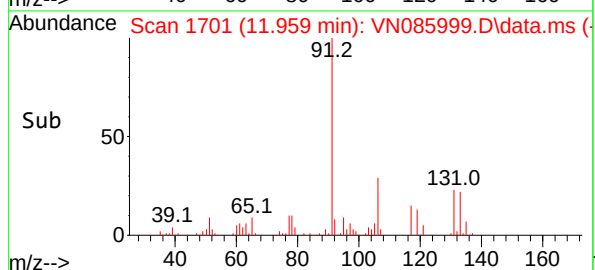
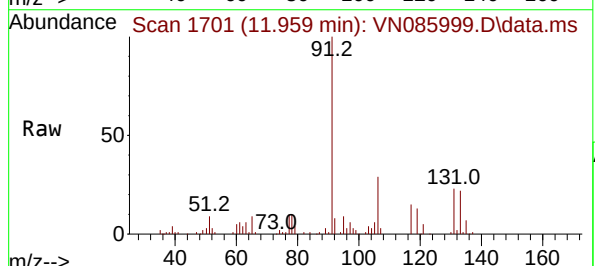
Manual Integrations
APPROVED

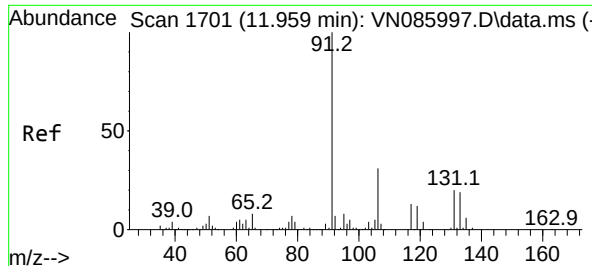
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 9.740 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion:131 Resp: 20639
Ion Ratio Lower Upper
131 100
133 98.4 47.0 141.0
119 62.6 31.4 94.0





#67

Ethyl Benzene

Concen: 9.666 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 8813

Ion Ratio Lower Upper

91 100

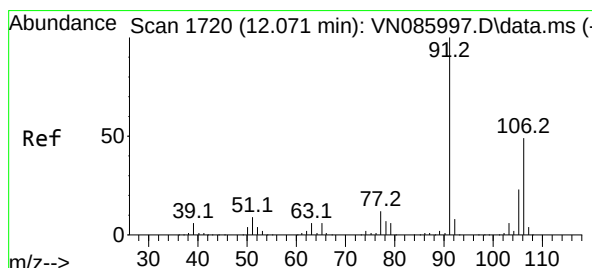
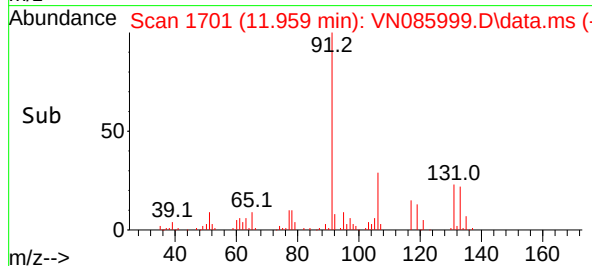
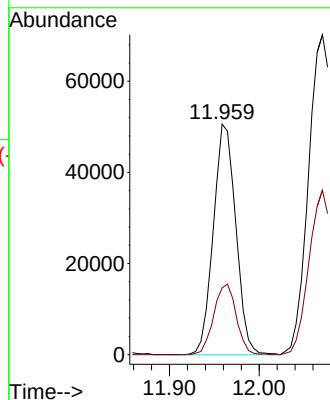
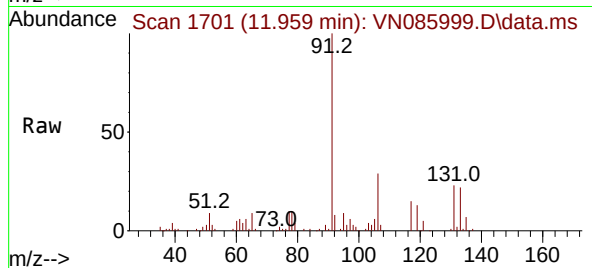
106 28.9 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#68

m/p-Xylenes

Concen: 19.180 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085999.D

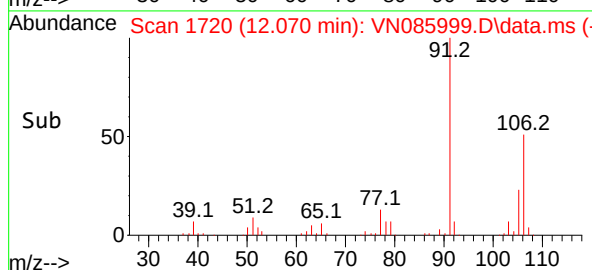
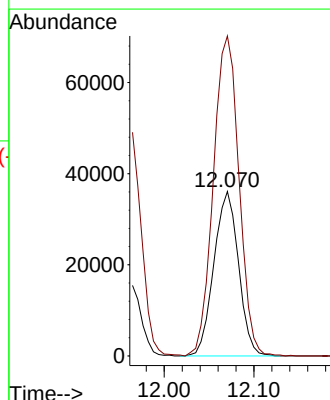
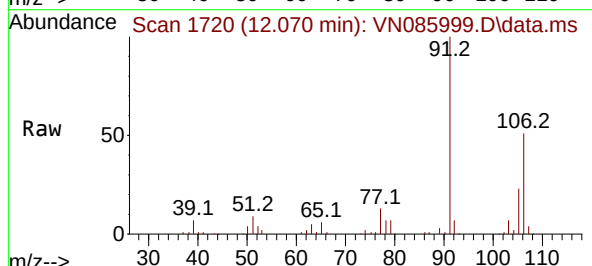
Acq: 18 Mar 2025 12:57

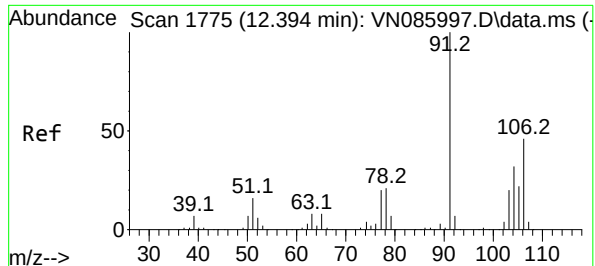
Tgt Ion:106 Resp: 68738

Ion Ratio Lower Upper

106 100

91 202.6 163.9 245.9





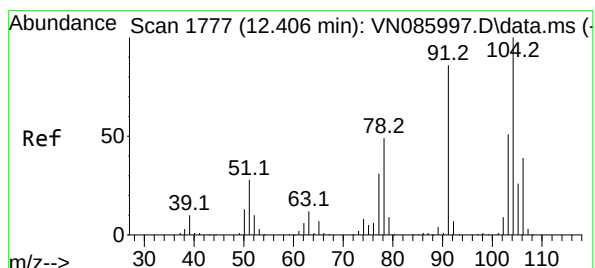
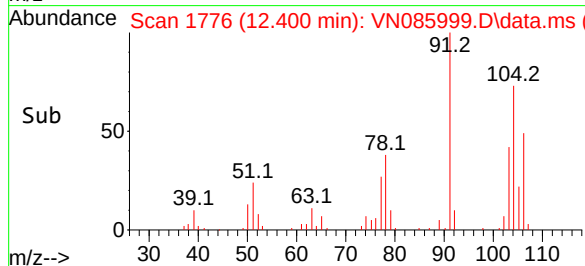
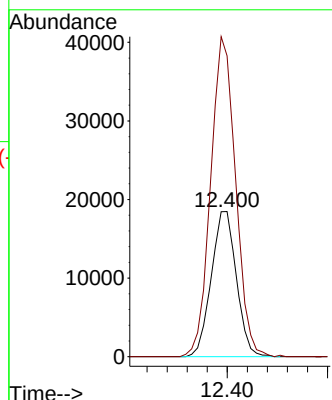
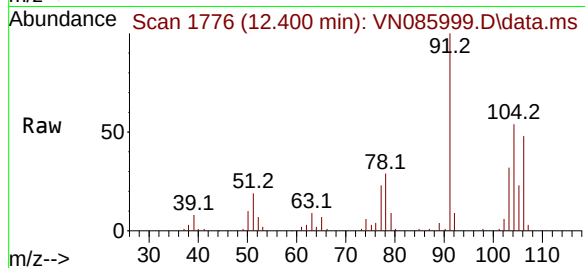
#69
o-Xylene
Concen: 9.770 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 3213
Ion Ratio Lower Upper
106 100
91 219.1 109.1 327.2

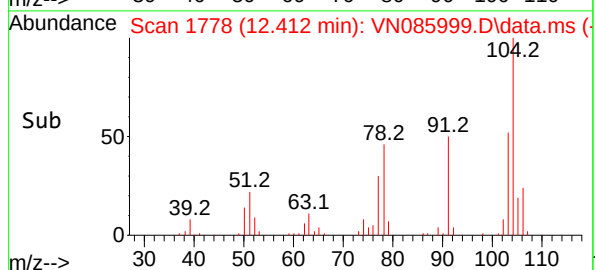
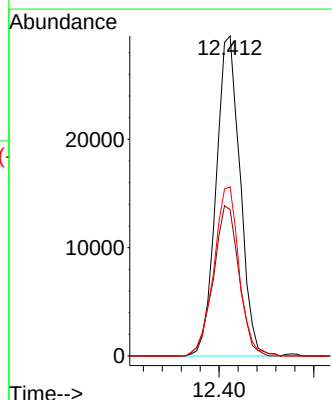
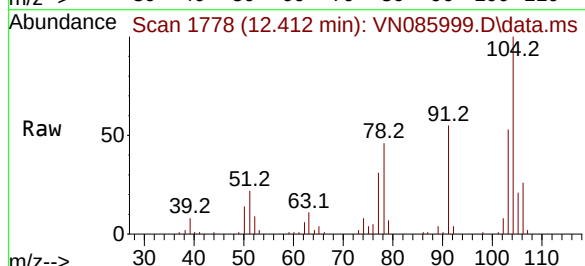
Manual Integrations
APPROVED

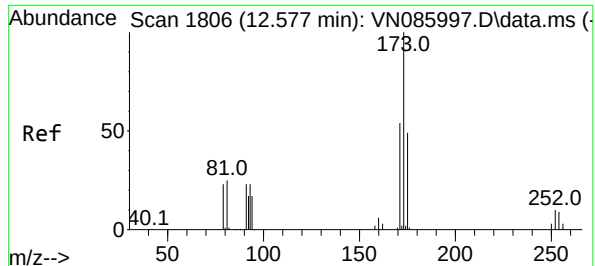
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#70
Styrene
Concen: 9.254 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

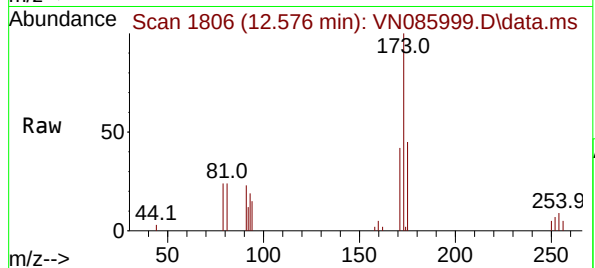
Tgt Ion:104 Resp: 51989
Ion Ratio Lower Upper
104 100
78 50.3 41.4 62.2
103 55.5 42.9 64.3





#71
Bromoform
Concen: 9.624 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

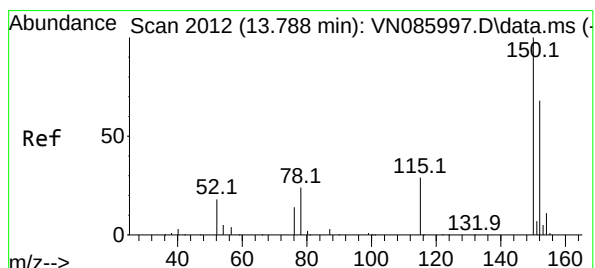
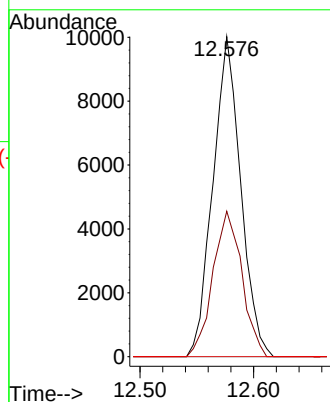
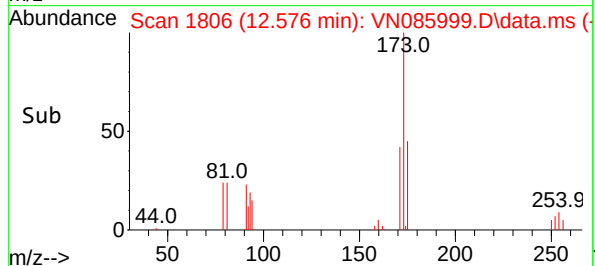
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:173 Resp: 17048
Ion Ratio Lower Upper
173 100
175 47.4 24.3 73.0
254 0.0 0.0 0.0

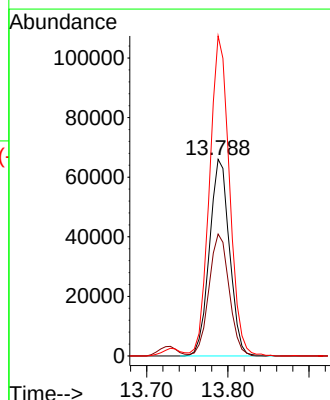
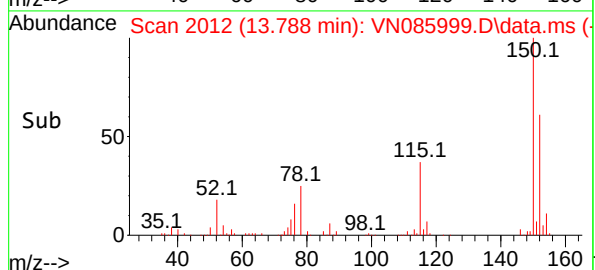
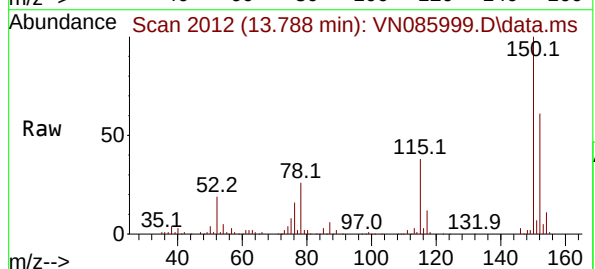
Manual Integrations
APPROVED

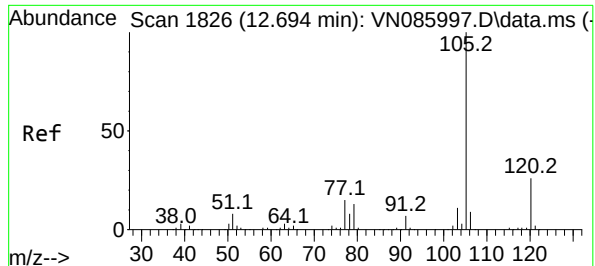
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion:152 Resp: 112825
Ion Ratio Lower Upper
152 100
115 62.5 31.1 93.2
150 162.0 0.0 359.6





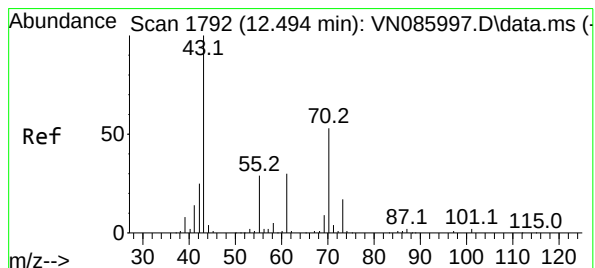
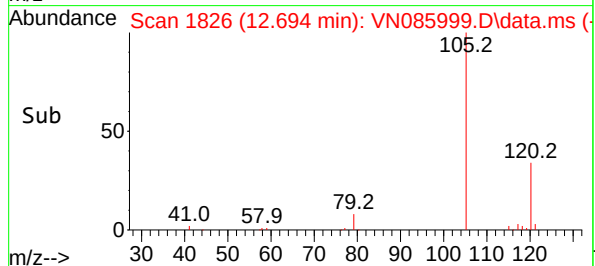
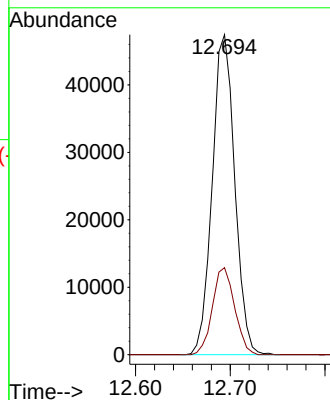
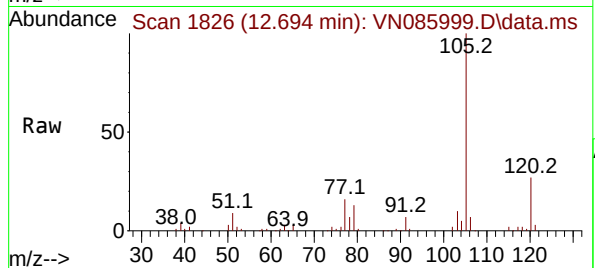
#73
Isopropylbenzene
Concen: 10.163 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion:105 Resp: 78299
Ion Ratio Lower Upper
105 100
120 26.8 13.0 39.0

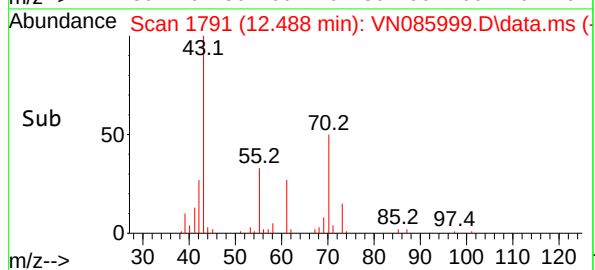
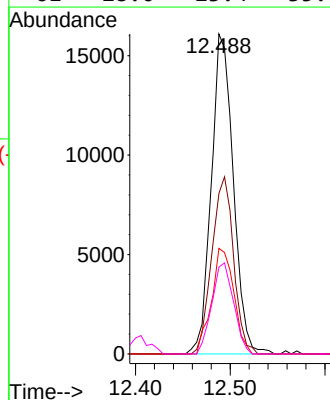
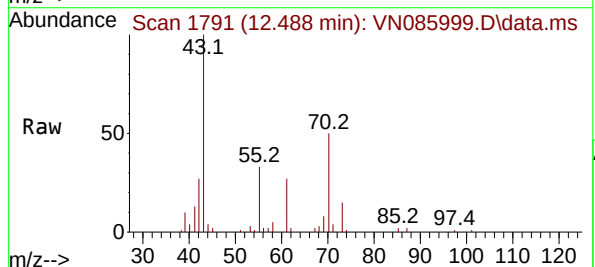
Manual Integrations
APPROVED

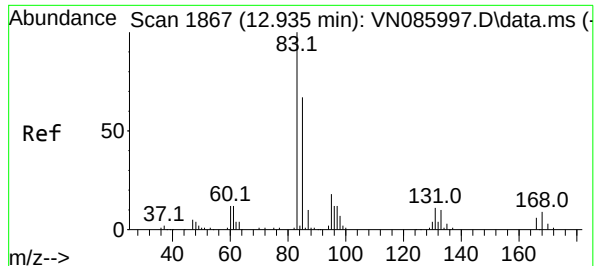
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#74
N-ethyl acetate
Concen: 10.090 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 43 Resp: 26009
Ion Ratio Lower Upper
43 100
70 54.7 43.0 64.4
55 33.3 23.8 35.8
61 28.0 23.4 35.0





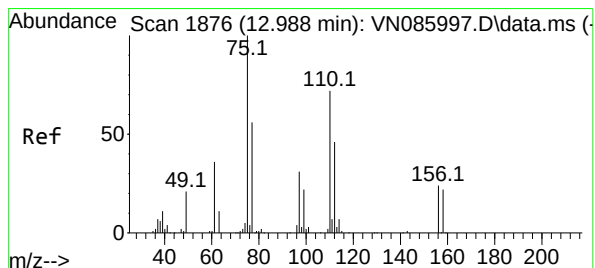
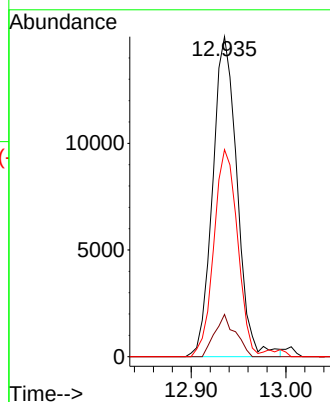
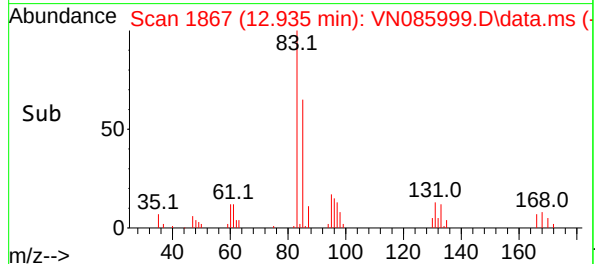
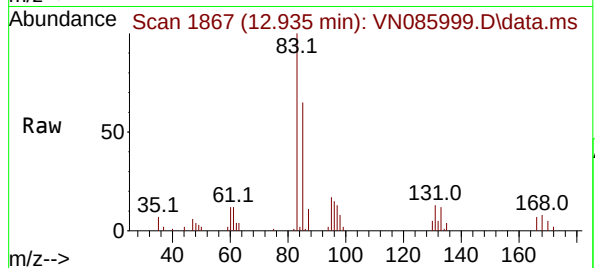
#75
1,1,2,2-Tetrachloroethane
Concen: 10.307 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 2686
Ion Ratio Lower Upper
83 100
131 11.1 5.5 16.5
85 63.0 32.6 97.8

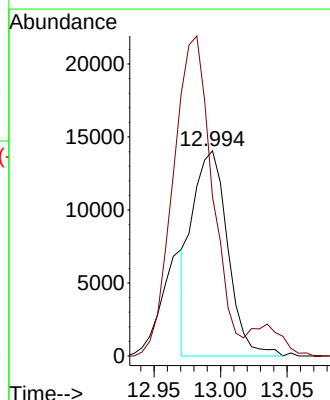
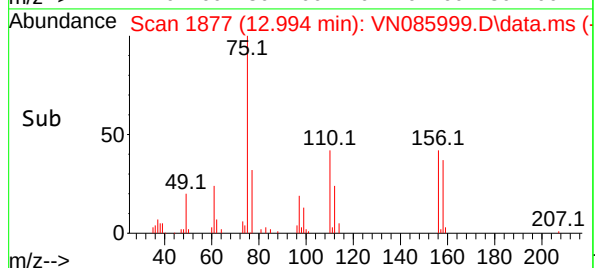
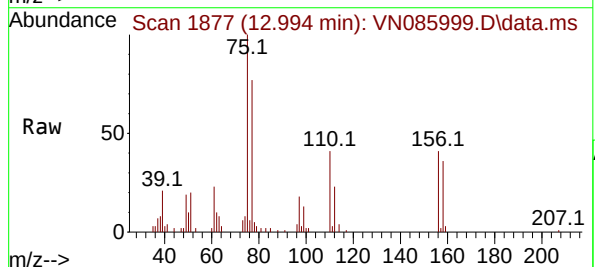
Manual Integrations
APPROVED

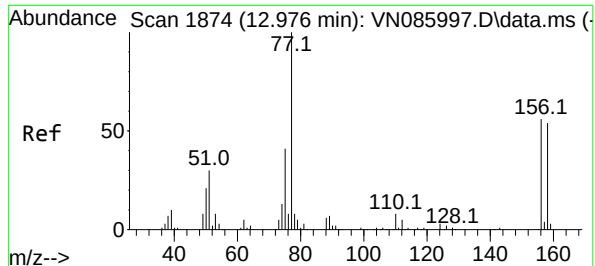
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#76
1,2,3-Trichloropropane
Concen: 10.117 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

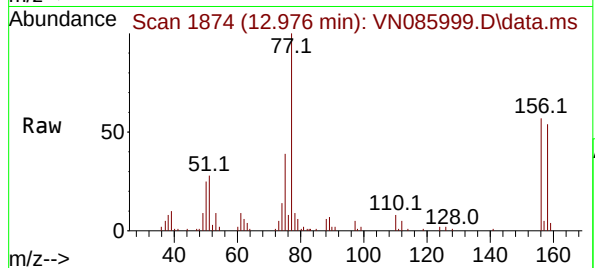
Tgt Ion: 75 Resp: 26024
Ion Ratio Lower Upper
75 100
77 172.7 83.7 251.0





#77
Bromobenzene
Concen: 10.150 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

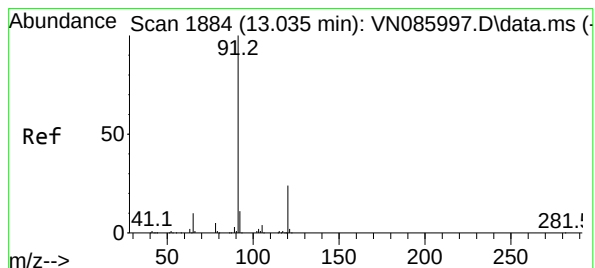
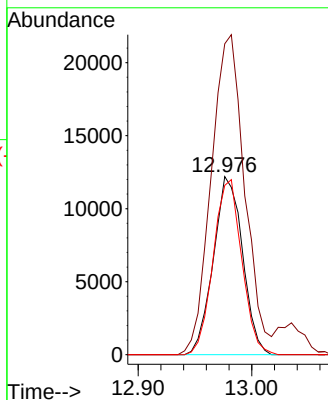
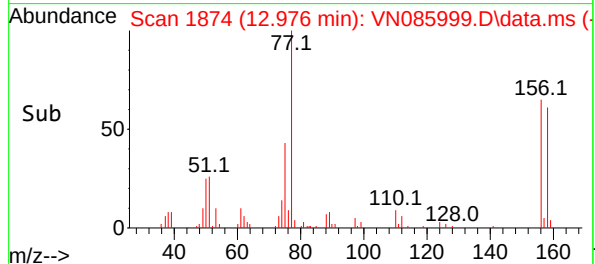
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:156 Resp: 2180
Ion Ratio Lower Upper
156 100
77 206.1 104.1 312.3
158 96.0 49.0 147.0

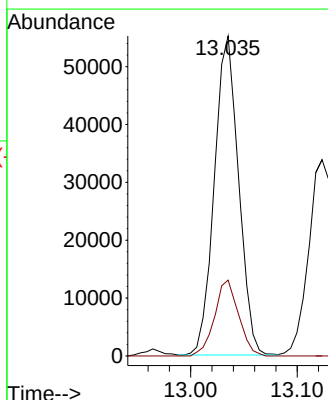
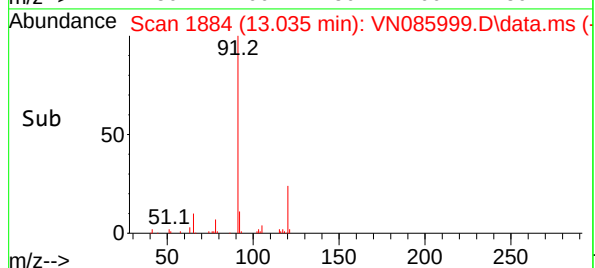
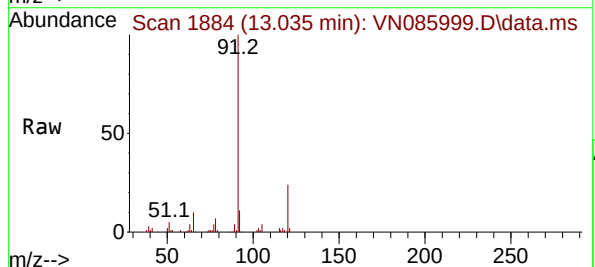
Manual Integrations
APPROVED

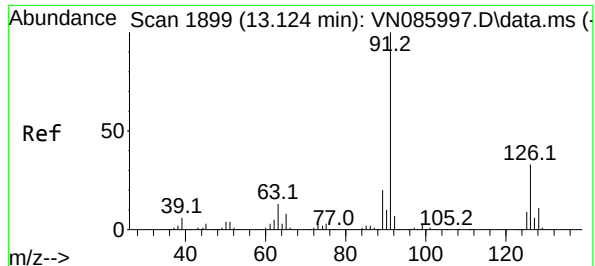
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#78
n-propylbenzene
Concen: 9.989 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 91 Resp: 87149
Ion Ratio Lower Upper
91 100
120 23.5 11.7 35.0





#79

2-Chlorotoluene

Concen: 10.075 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 5838

Ion Ratio Lower Upper

91 100

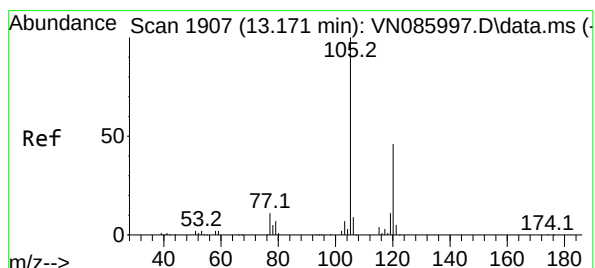
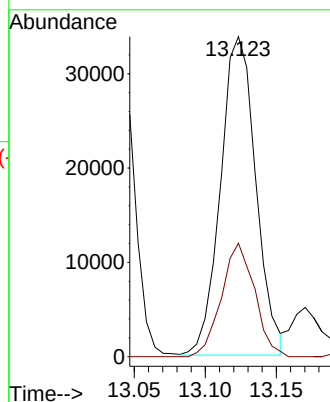
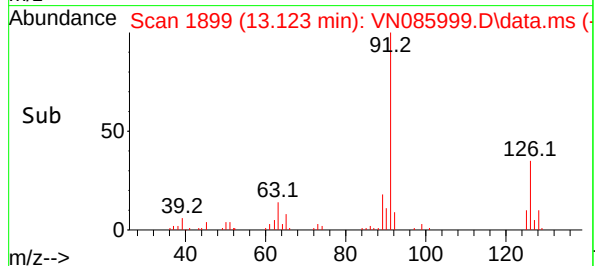
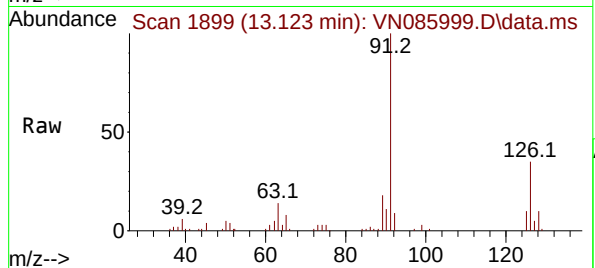
126 33.4 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 10.071 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085999.D

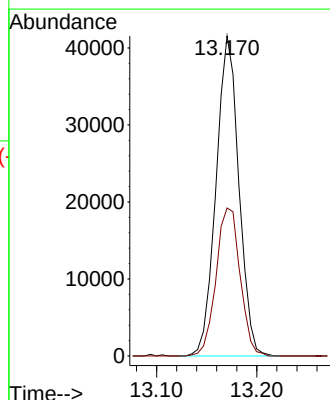
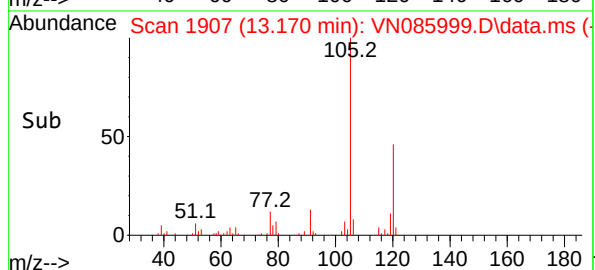
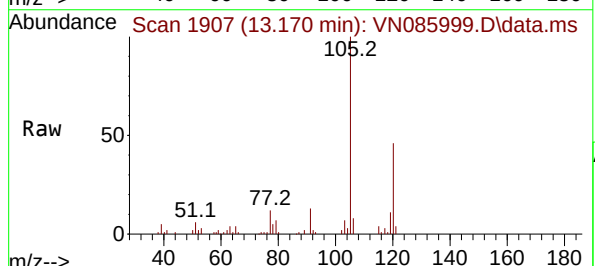
Acq: 18 Mar 2025 12:57

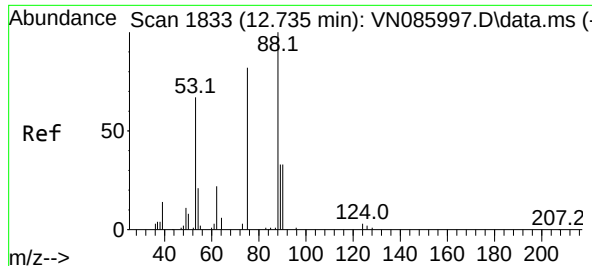
Tgt Ion:105 Resp: 65511

Ion Ratio Lower Upper

105 100

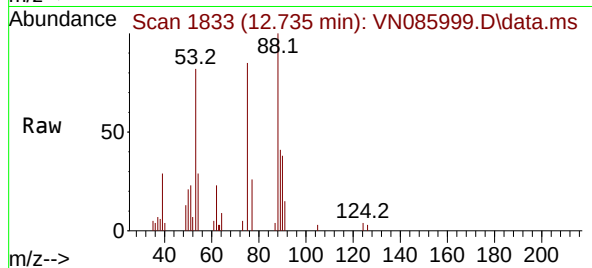
120 48.8 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 9.466 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

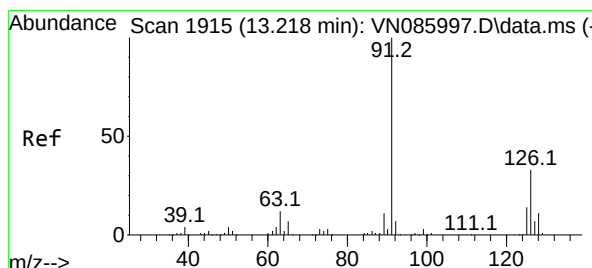
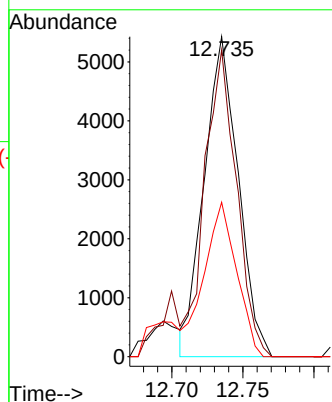
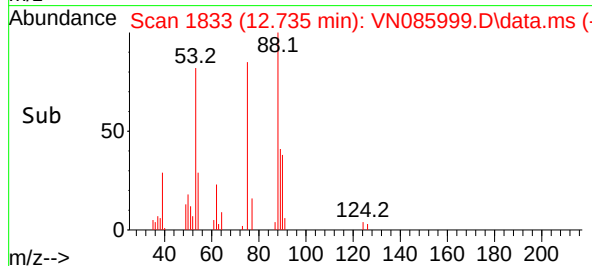
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010



Tgt Ion: 75 Resp: 9044
Ion Ratio Lower Upper
75 100
53 89.6 66.0 99.0
89 46.4 36.9 55.3

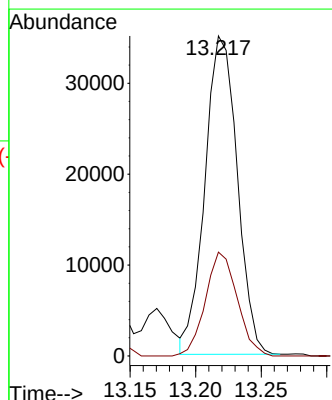
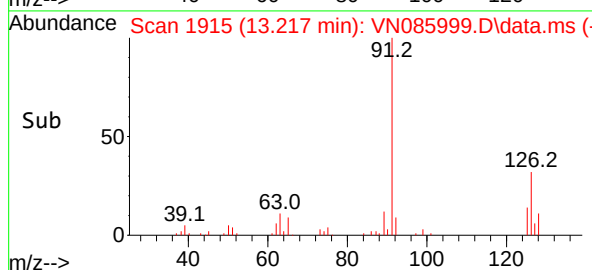
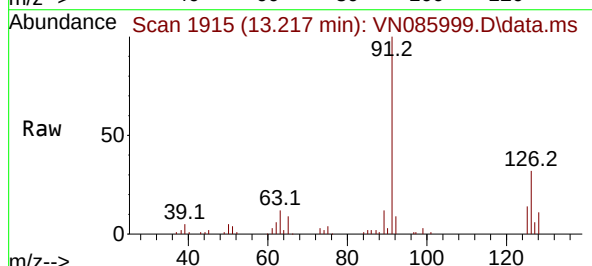
Manual Integrations
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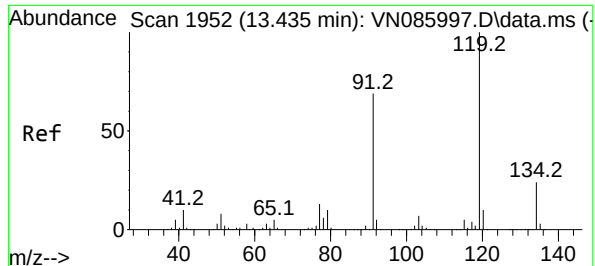
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#82
4-Chlorotoluene
Concen: 10.077 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 91 Resp: 60050
Ion Ratio Lower Upper
91 100
126 32.1 16.1 48.2





#83

tert-Butylbenzene

Concen: 10.208 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:119 Resp: 5679

Ion Ratio Lower Upper

119 100

91 66.1 34.3 102.9

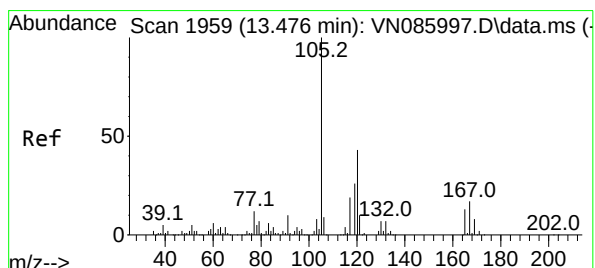
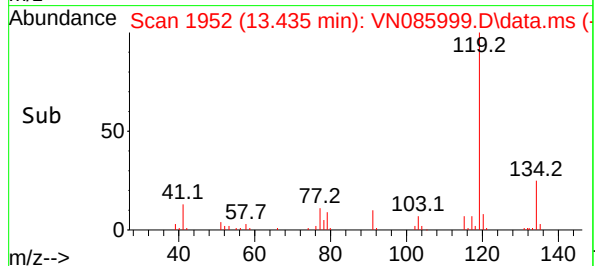
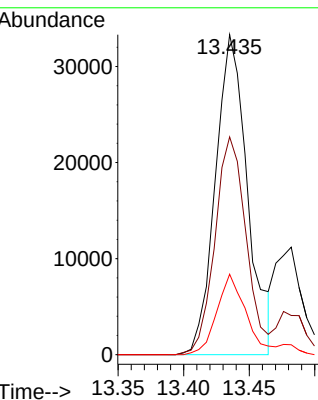
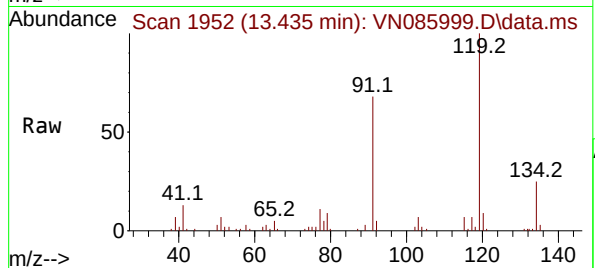
134 22.9 13.5 40.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 10.124 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085999.D

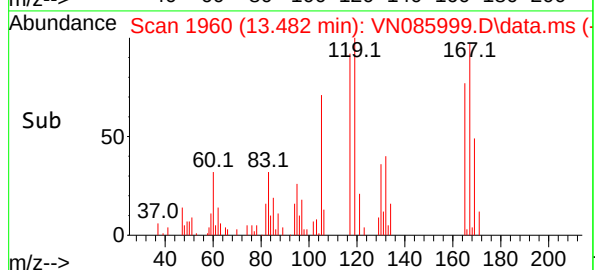
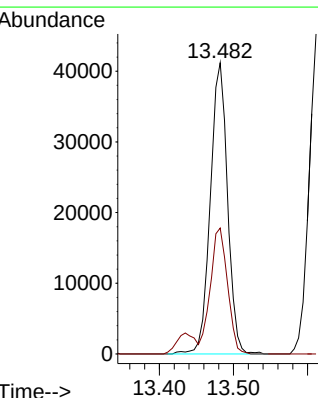
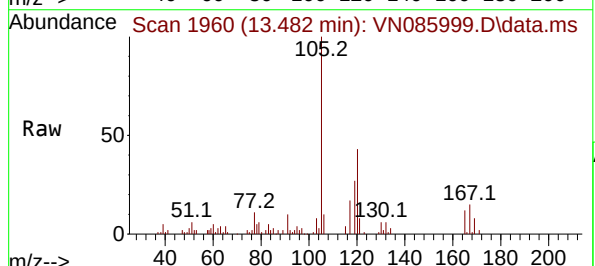
Acq: 18 Mar 2025 12:57

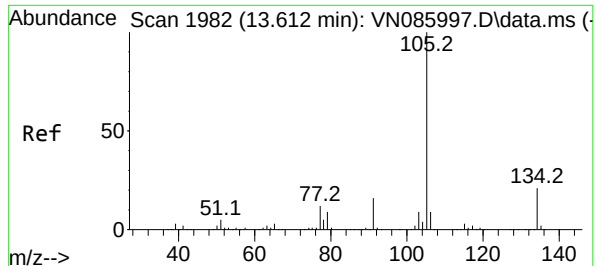
Tgt Ion:105 Resp: 66424

Ion Ratio Lower Upper

105 100

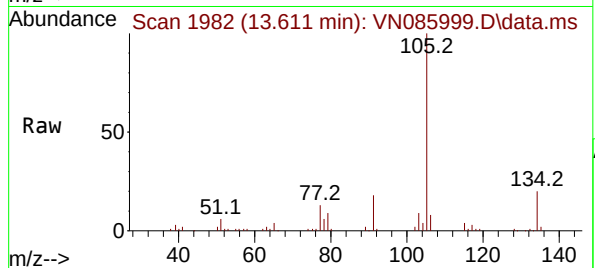
120 43.2 21.9 65.8





#85
sec-Butylbenzene
Concen: 10.096 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

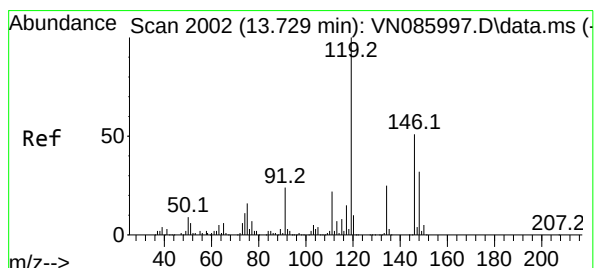
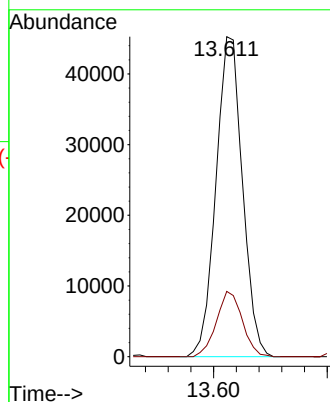
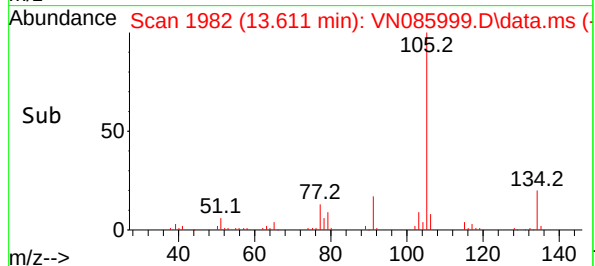
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010



Tgt Ion:105 Resp: 7327
Ion Ratio Lower Upper
105 100
134 20.0 10.1 30.1

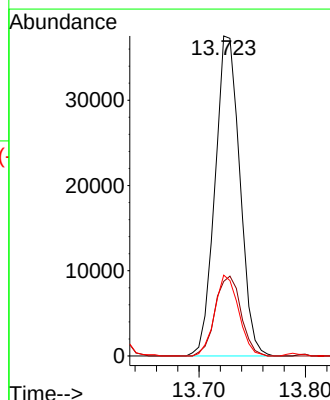
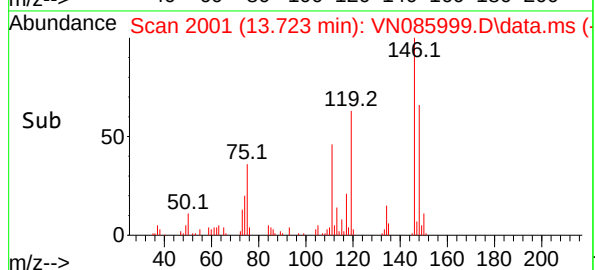
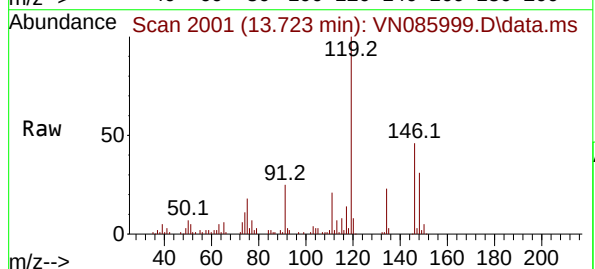
Manual Integrations
APPROVED

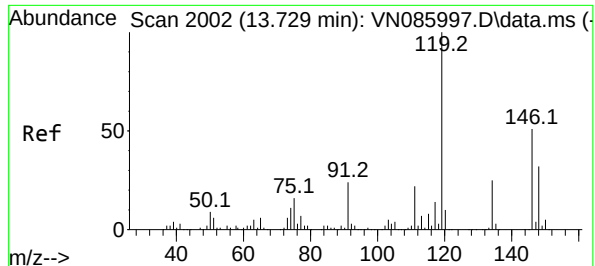
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#86
p-Isopropyltoluene
Concen: 9.874 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion:119 Resp: 60661
Ion Ratio Lower Upper
119 100
134 26.0 12.6 37.8
91 24.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 10.194 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

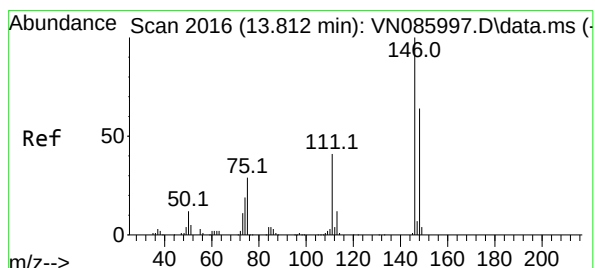
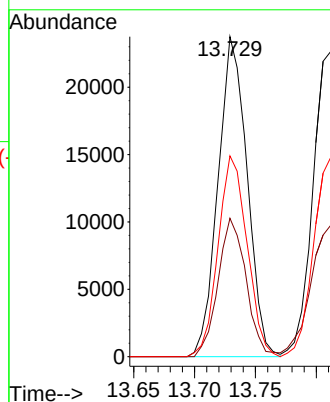
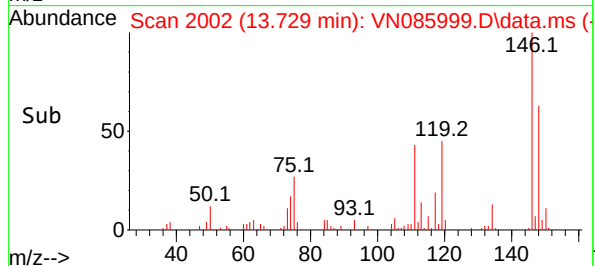
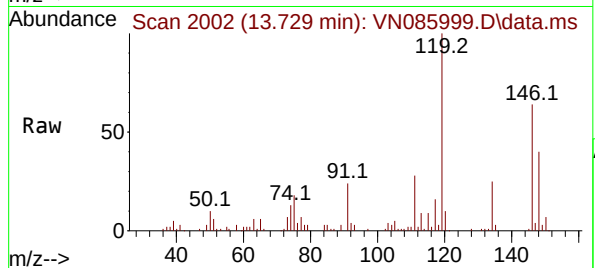
Tgt Ion:146	Resp:	39474
Ion Ratio	Lower	Upper
146	100	
111	41.8	21.2 63.6
148	62.6	31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#88

1,4-Dichlorobenzene

Concen: 9.737 ug/l

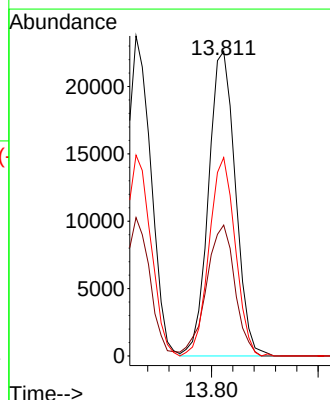
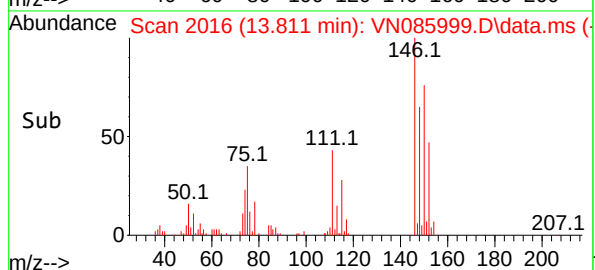
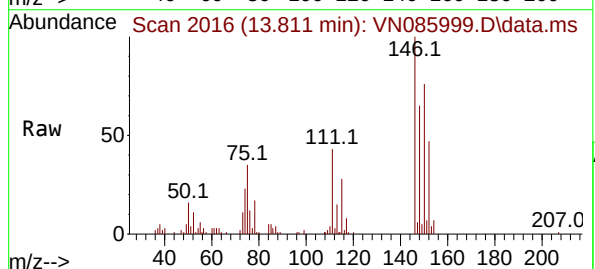
RT: 13.811 min Scan# 2016

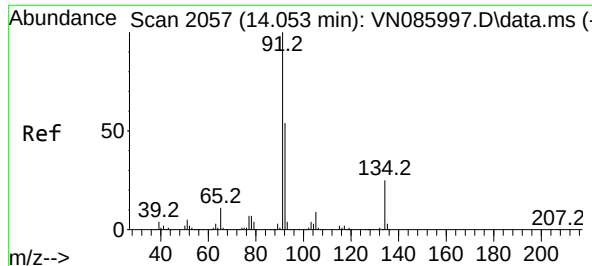
Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:146	Resp:	39616
Ion Ratio	Lower	Upper
146	100	
111	45.3	20.4 61.3
148	63.4	32.1 96.5





#89

n-Butylbenzene

Concen: 9.376 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

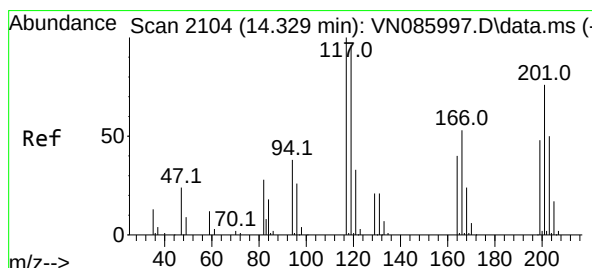
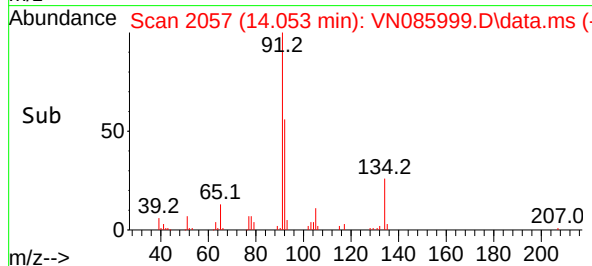
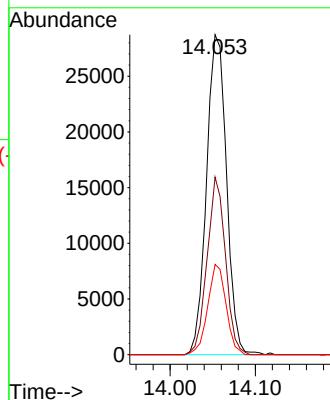
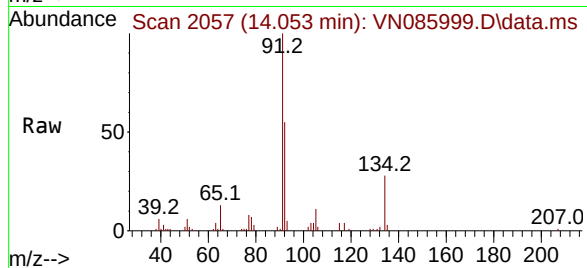
Tgt Ion:	91	Resp:	46910
Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.9	80.6
134	25.9	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#90

Hexachloroethane

Concen: 9.464 ug/l

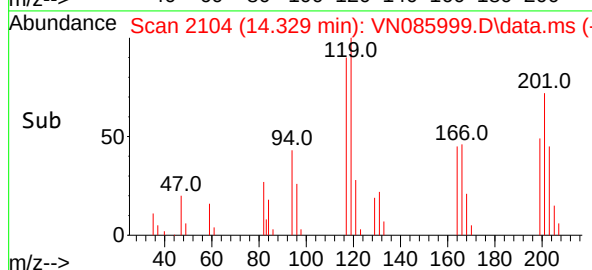
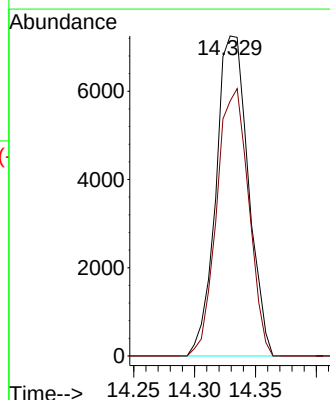
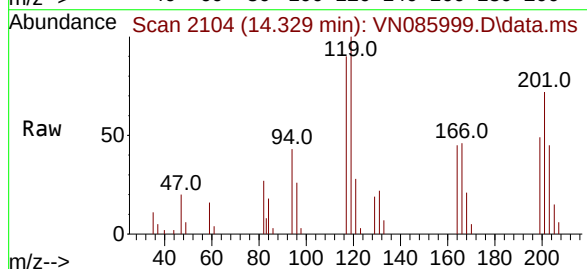
RT: 14.329 min Scan# 2104

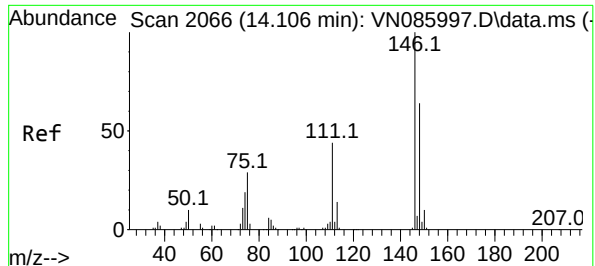
Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Tgt Ion:	117	Resp:	13417
Ion	Ratio	Lower	Upper
117	100		
201	82.2	39.1	117.3





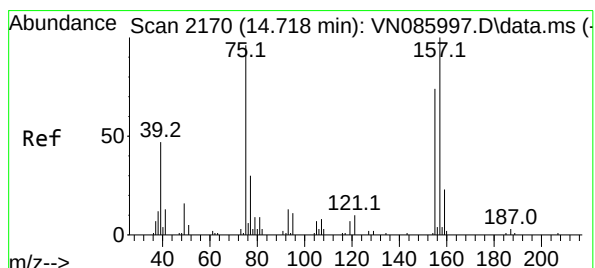
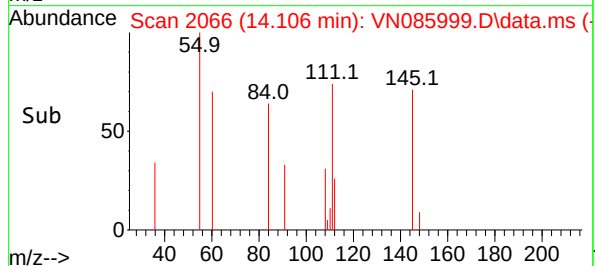
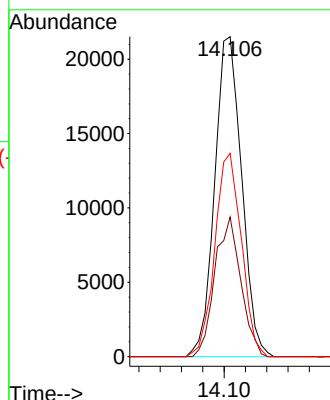
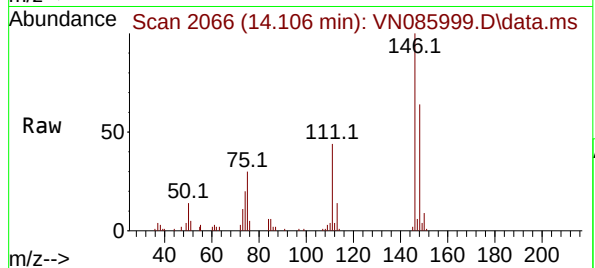
#91
1,2-Dichlorobenzene
Concen: 9.805 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:146 Resp: 3774
Ion Ratio Lower Upper
146 100
111 42.1 22.3 66.8
148 62.6 32.1 96.5

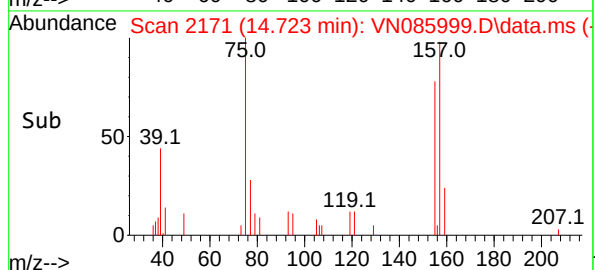
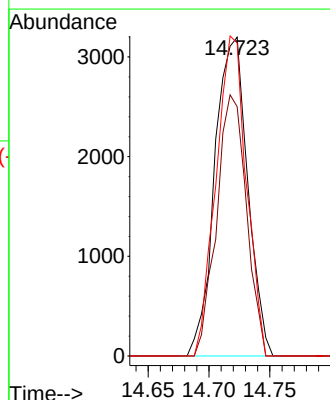
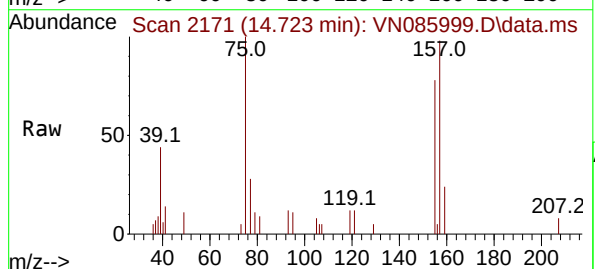
Manual Integrations
APPROVED

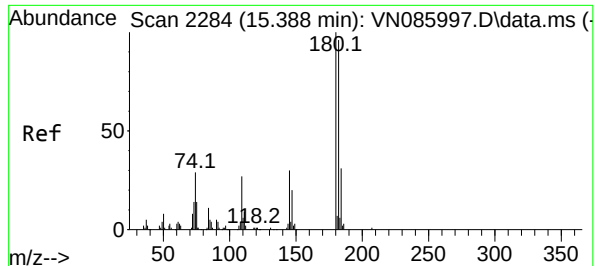
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 11.520 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion: 75 Resp: 5994
Ion Ratio Lower Upper
75 100
155 74.4 41.0 123.0
157 92.8 53.7 161.1





#93

1,2,4-Trichlorobenzene

Concen: 9.497 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:180 Resp: 1838

Ion Ratio Lower Upper

180 100

182 94.9 47.0 141.0

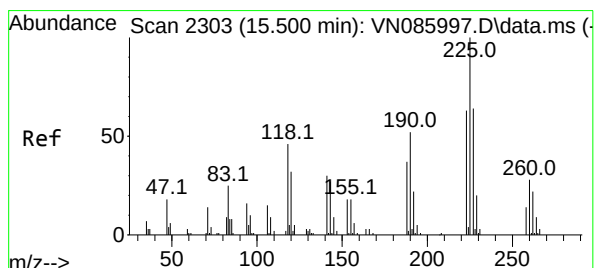
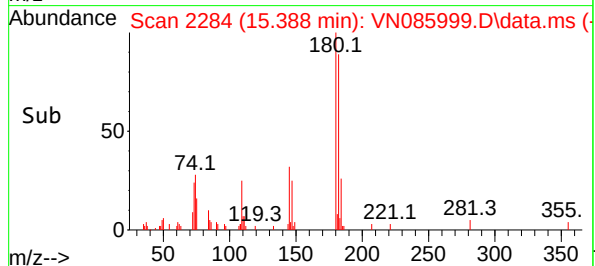
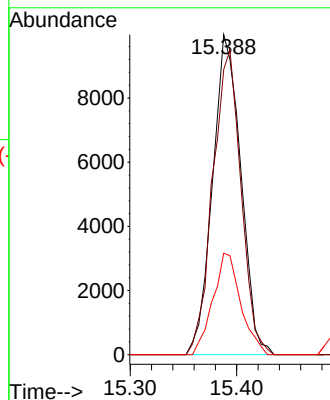
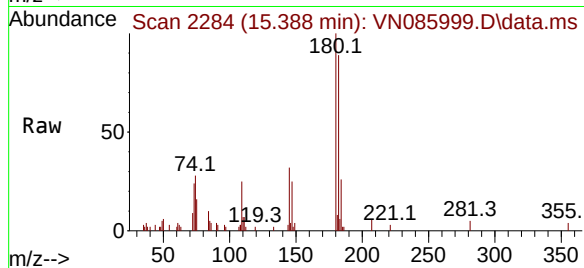
145 31.2 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#94

Hexachlorobutadiene

Concen: 10.056 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN085999.D

Acq: 18 Mar 2025 12:57

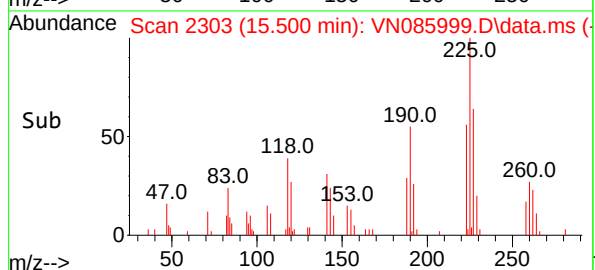
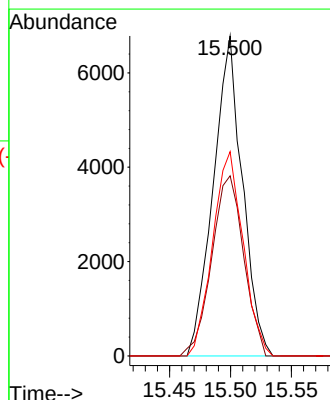
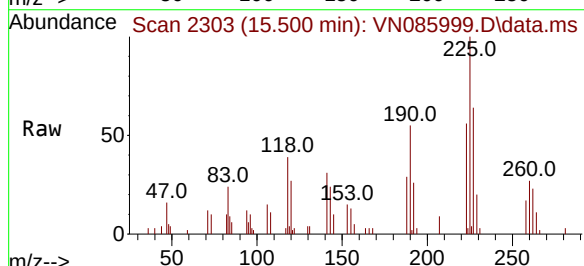
Tgt Ion:225 Resp: 11293

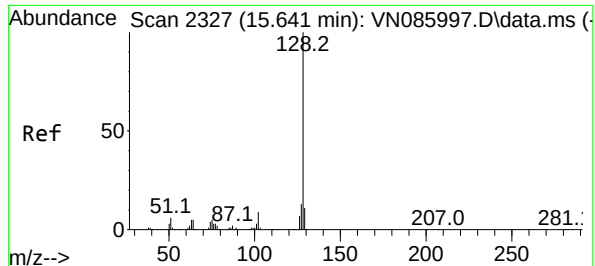
Ion Ratio Lower Upper

225 100

223 61.8 31.3 93.9

227 66.7 32.1 96.3





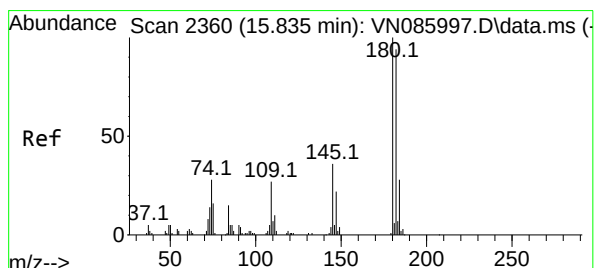
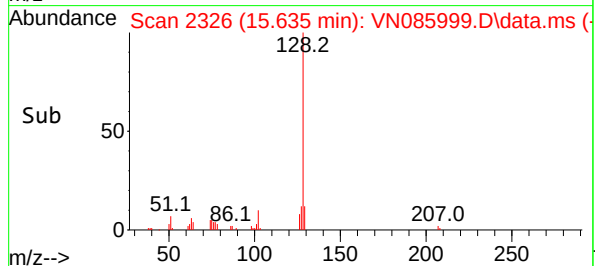
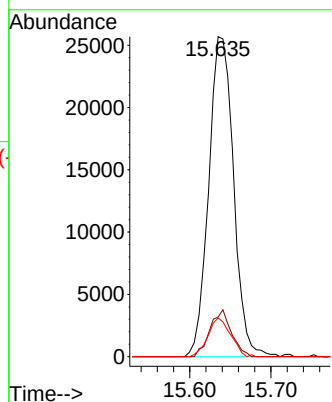
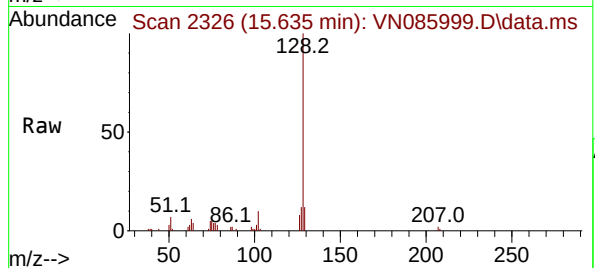
#95
Naphthalene
Concen: 9.754 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 54670
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 11.0 9.0 13.6

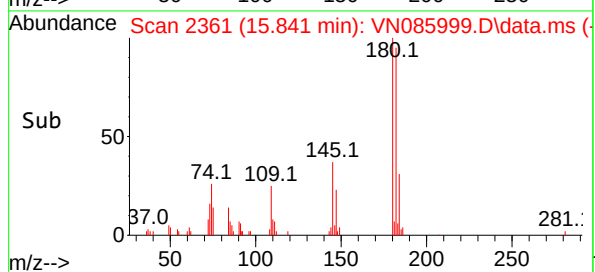
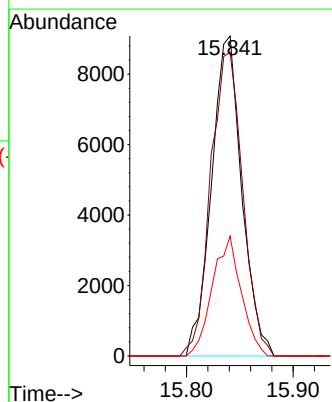
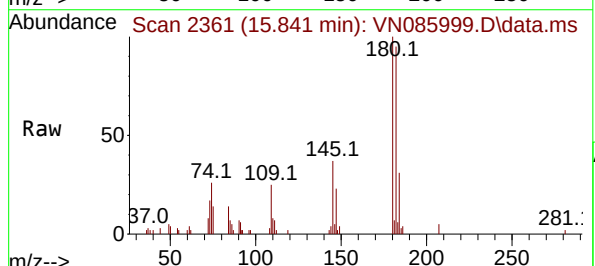
Manual Integrations
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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 9.753 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085999.D
Acq: 18 Mar 2025 12:57

Tgt Ion:180 Resp: 17914
Ion Ratio Lower Upper
180 100
182 100.4 47.5 142.5
145 35.6 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086000.D
 Acq On : 18 Mar 2025 13:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	163796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	232728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	12074	5.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.760%#		
35) Dibromofluoromethane	8.165	113	9983	5.274	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.540%#		
50) Toluene-d8	10.565	98	32999	4.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.600%#		
62) 4-Bromofluorobenzene	12.847	95	10615	4.332	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	8.660%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	11420	5.263	ug/l	92
3) Chloromethane	2.359	50	10021	5.268	ug/l	99
4) Vinyl Chloride	2.506	62	10389	5.341	ug/l	100
5) Bromomethane	2.942	94	7641	5.767	ug/l	94
6) Chloroethane	3.106	64	6607	5.384	ug/l	94
7) Trichlorofluoromethane	3.489	101	18136	5.187	ug/l	94
8) Diethyl Ether	3.965	74	5061	4.728	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	9669	5.203	ug/l	97
10) Methyl Iodide	4.589	142	12547	5.181	ug/l	94
11) Tert butyl alcohol	5.518	59	8843	27.847	ug/l #	93
12) 1,1-Dichloroethene	4.336	96	9006	5.367	ug/l	91
13) Acrolein	4.183	56	9429	27.839	ug/l	97
14) Allyl chloride	5.018	41	11201	5.350	ug/l	95
15) Acrylonitrile	5.724	53	22174	26.440	ug/l	98
16) Acetone	4.436	43	17456	25.474	ug/l	96
17) Carbon Disulfide	4.706	76	28904	5.237	ug/l	98
18) Methyl Acetate	5.024	43	8878	5.237	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	26823	4.878	ug/l	94
20) Methylene Chloride	5.277	84	10471	5.223	ug/l	86
21) trans-1,2-Dichloroethene	5.783	96	9241	5.039	ug/l	85
22) Diisopropyl ether	6.671	45	22716	5.092	ug/l	91
23) Vinyl Acetate	6.606	43	83783	24.772	ug/l	98
24) 1,1-Dichloroethane	6.571	63	16897	5.151	ug/l	99
25) 2-Butanone	7.482	43	26095	26.392	ug/l	96
26) 2,2-Dichloropropane	7.488	77	16658	5.274	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	10741	5.154	ug/l	98
28) Bromochloromethane	7.812	49	7039	5.064	ug/l #	99
29) Tetrahydrofuran	7.847	42	16104	26.382	ug/l	97
30) Chloroform	7.965	83	18814	5.188	ug/l	95
31) Cyclohexane	8.247	56	15682	5.611	ug/l	87
32) 1,1,1-Trichloroethane	8.165	97	17962	5.233	ug/l	92
36) 1,1-Dichloropropene	8.365	75	12303	4.936	ug/l	96
37) Ethyl Acetate	7.565	43	11164	5.309	ug/l	98
38) Carbon Tetrachloride	8.359	117	16628	5.074	ug/l	99
39) Methylcyclohexane	9.600	83	11562	4.675	ug/l #	86
40) Benzene	8.606	78	39414	5.037	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086000.D
 Acq On : 18 Mar 2025 13:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 19 02:30:27 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	5095	5.074	ug/l	94
42) 1,2-Dichloroethane	8.671	62	14311	5.249	ug/l	97
43) Isopropyl Acetate	8.688	43	22794	4.992	ug/l #	87
44) Trichloroethene	9.353	130	10304	5.081	ug/l	93
45) 1,2-Dichloropropane	9.618	63	9026	5.071	ug/l	100
46) Dibromomethane	9.706	93	7270	5.194	ug/l	95
47) Bromodichloromethane	9.888	83	15203	5.197	ug/l	93
48) Methyl methacrylate	9.682	41	6970	4.635	ug/l	95
49) 1,4-Dioxane	9.700	88	3831	107.772	ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	50081	24.920	ug/l	95
52) Toluene	10.629	92	23224	4.836	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	13594	4.785	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	14556	4.856	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	9178	5.007	ug/l	95
56) Ethyl methacrylate	10.870	69	11206	4.940	ug/l	93
57) 1,3-Dichloropropane	11.165	76	15126	4.858	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	25811	31.548	ug/l	100
59) 2-Hexanone	11.194	43	35455	24.217	ug/l	96
60) Dibromochloromethane	11.359	129	11813	4.994	ug/l	99
61) 1,2-Dibromoethane	11.465	107	9143	4.859	ug/l	90
64) Tetrachloroethene	11.106	164	9809	5.284	ug/l	93
65) Chlorobenzene	11.888	112	26908	5.053	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	10358	5.232	ug/l	96
67) Ethyl Benzene	11.965	91	40845	4.795	ug/l	99
68) m/p-Xylenes	12.065	106	30743	9.182	ug/l	98
69) o-Xylene	12.400	106	13604	4.427	ug/l	94
70) Styrene	12.406	104	24028	4.578	ug/l	99
71) Bromoform	12.570	173	8257	4.989	ug/l #	95
73) Isopropylbenzene	12.694	105	35476	4.780	ug/l	99
74) N-amyl acetate	12.494	43	11933	4.806	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	13700	5.457	ug/l	94
76) 1,2,3-Trichloropropane	12.988	75	13734m	5.543	ug/l	
77) Bromobenzene	12.976	156	10805	5.222	ug/l	94
78) n-propylbenzene	13.035	91	40052	4.766	ug/l	98
79) 2-Chlorotoluene	13.123	91	27970	5.011	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	28674	4.576	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	4314	4.688	ug/l	96
82) 4-Chlorotoluene	13.217	91	27891	4.859	ug/l	98
83) tert-Butylbenzene	13.435	119	24760	4.621	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	29165	4.615	ug/l	100
85) sec-Butylbenzene	13.617	105	32694	4.677	ug/l	97
86) p-Isopropyltoluene	13.729	119	26188	4.425	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	18666	5.004	ug/l	97
88) 1,4-Dichlorobenzene	13.806	146	20725	5.288	ug/l	96
89) n-Butylbenzene	14.059	91	21529	4.468	ug/l	96
90) Hexachloroethane	14.335	117	7037	5.154	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	18733	5.052	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	2714	5.415	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	9252	4.962	ug/l	95
94) Hexachlorobutadiene	15.500	225	5668	5.240	ug/l	97
95) Naphthalene	15.641	128	24023	4.450	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	8594	4.858	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086000.D
Acq On : 18 Mar 2025 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

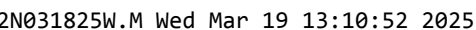
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

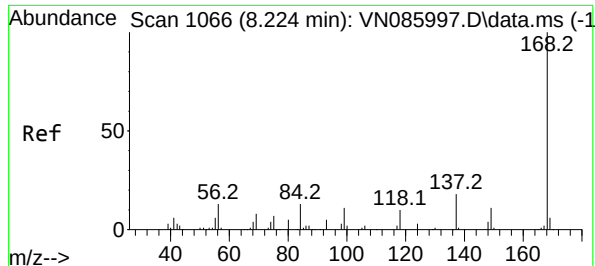
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

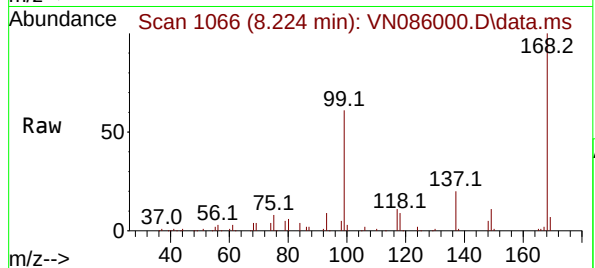
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

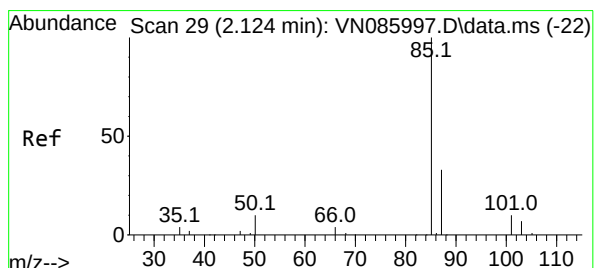
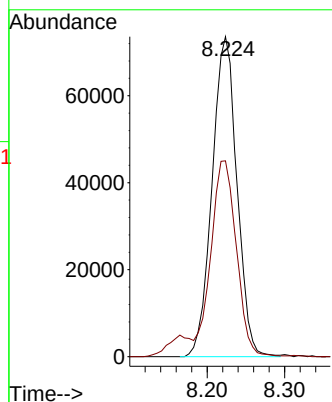
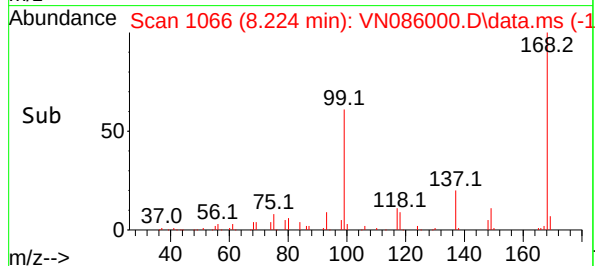
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:168 Resp: 163790
Ion Ratio Lower Upper
168 100
99 60.9 49.4 74.2

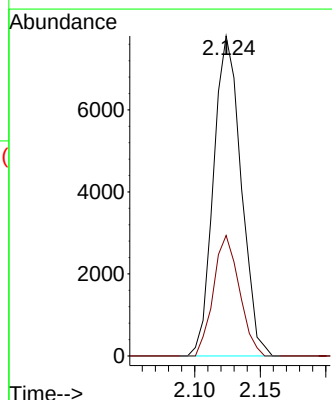
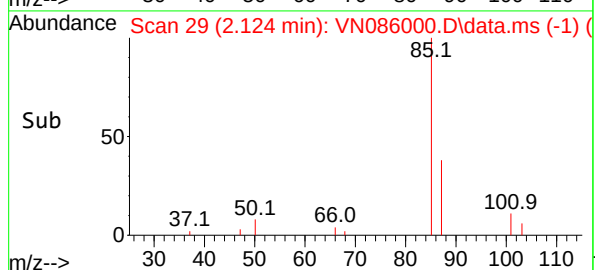
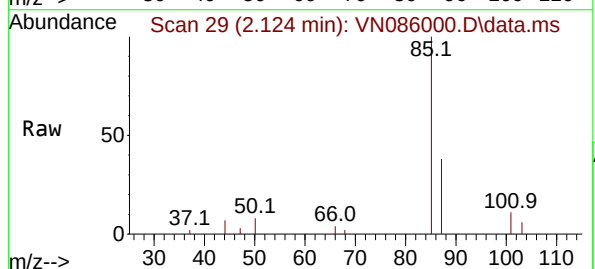
Manual Integrations
APPROVED

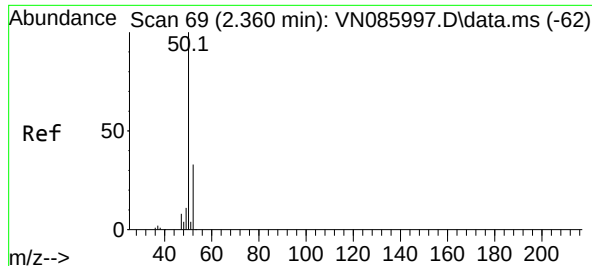
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 5.263 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

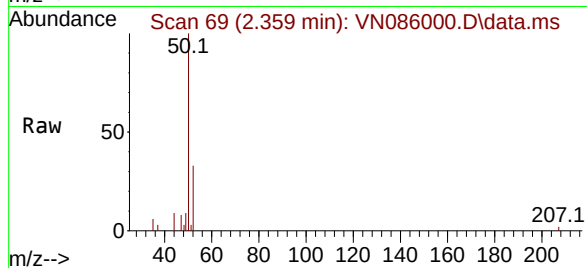
Tgt Ion: 85 Resp: 11420
Ion Ratio Lower Upper
85 100
87 37.7 16.5 49.5





#3
Chloromethane
Concen: 5.268 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

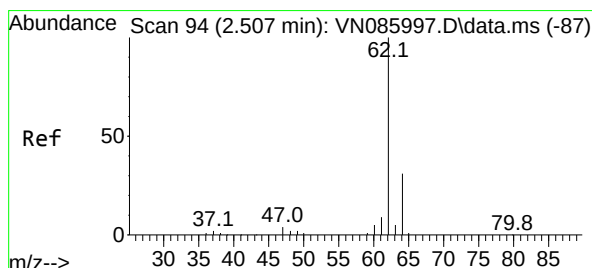
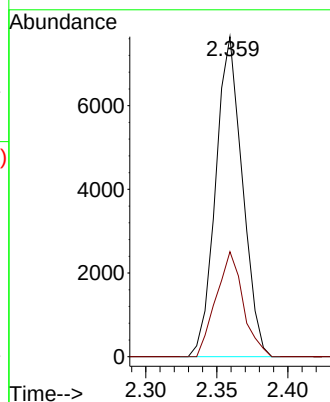
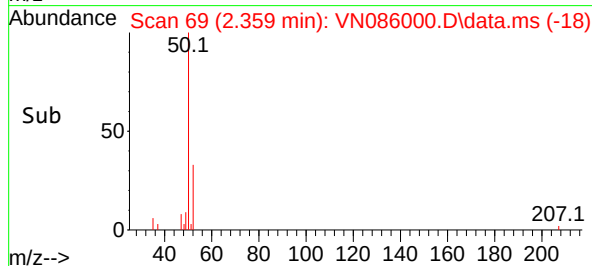
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 50 Resp: 1002
Ion Ratio Lower Upper
50 100
52 32.8 26.0 39.0

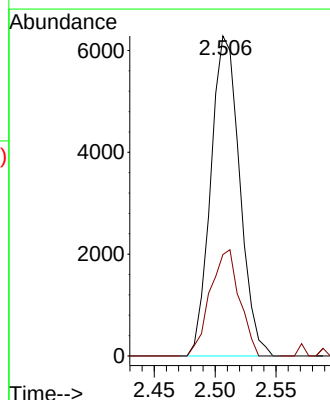
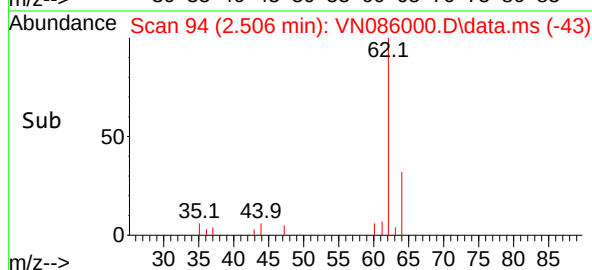
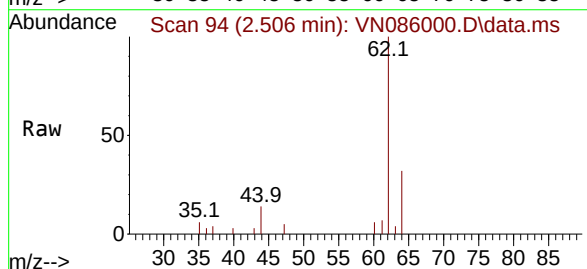
Manual Integrations
APPROVED

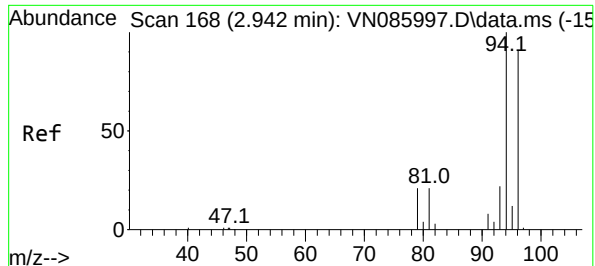
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 5.341 ug/l
RT: 2.506 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

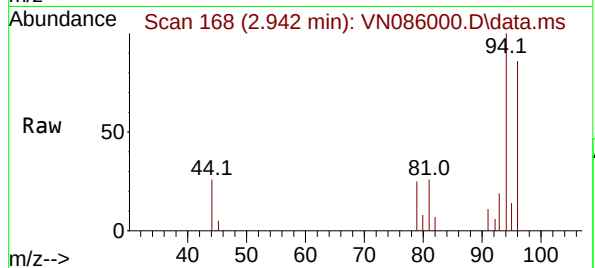
Tgt Ion: 62 Resp: 10389
Ion Ratio Lower Upper
62 100
64 31.7 25.2 37.8





#5
Bromomethane
Concen: 5.767 ug/l
RT: 2.942 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

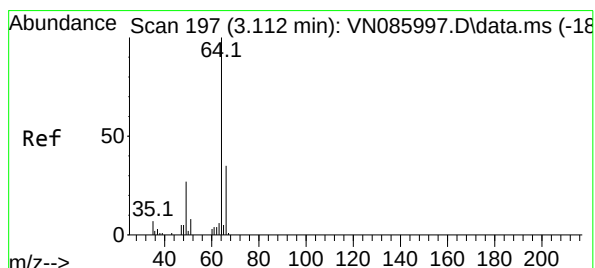
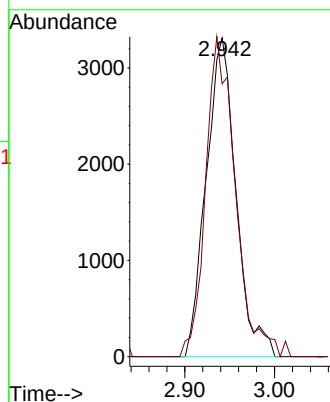
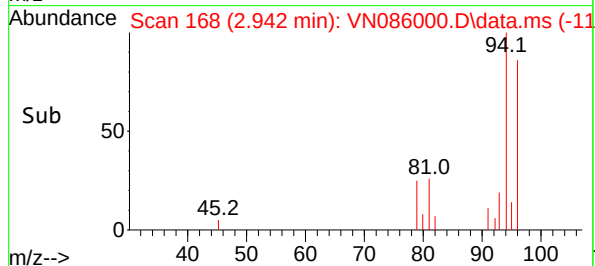
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 94 Resp: 764
Ion Ratio Lower Upper
94 100
96 85.6 72.8 109.2

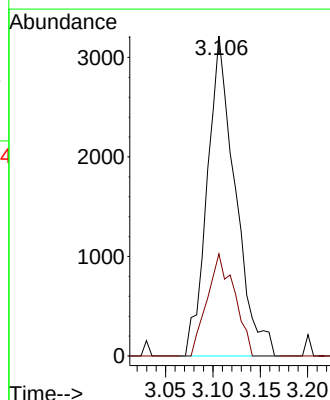
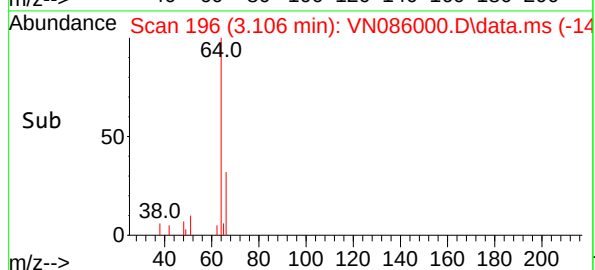
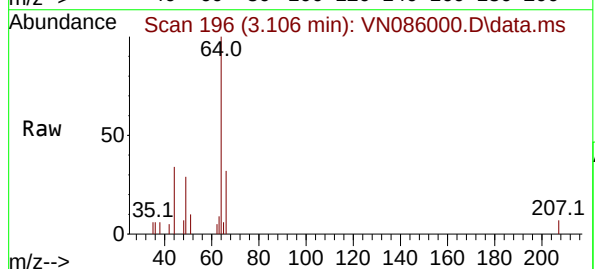
Manual Integrations
APPROVED

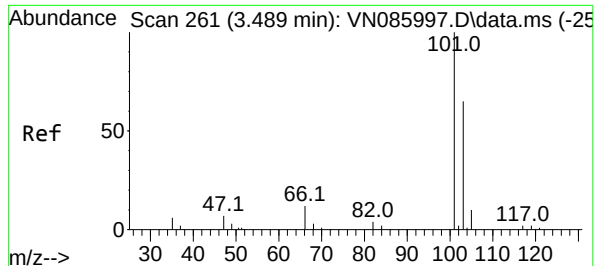
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#6
Chloroethane
Concen: 5.384 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

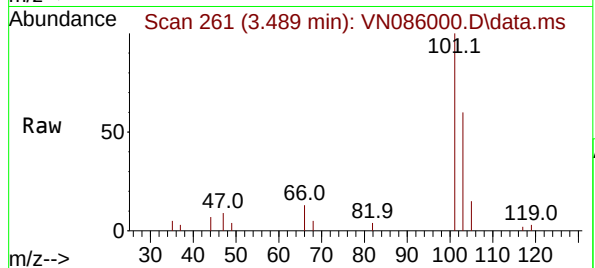
Tgt Ion: 64 Resp: 6607
Ion Ratio Lower Upper
64 100
66 31.9 28.3 42.5





#7
Trichlorofluoromethane
Concen: 5.187 ug/l
RT: 3.489 min Scan# 261
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

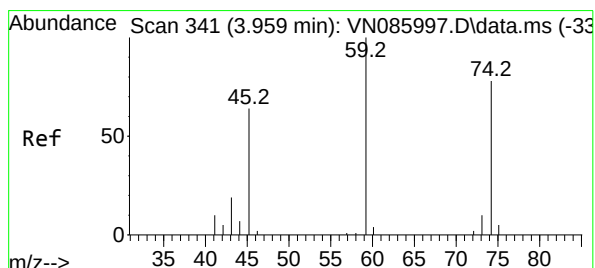
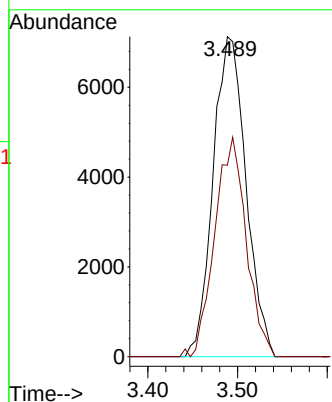
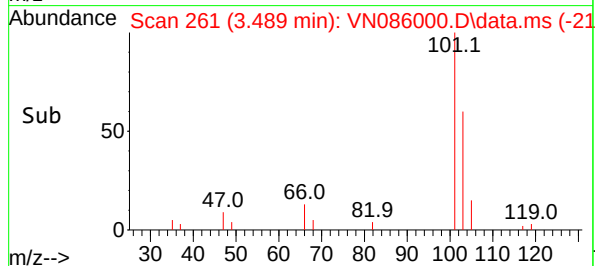
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:101 Resp: 18136
Ion Ratio Lower Upper
101 100
103 59.8 51.7 77.5

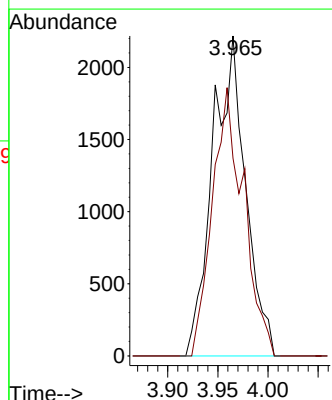
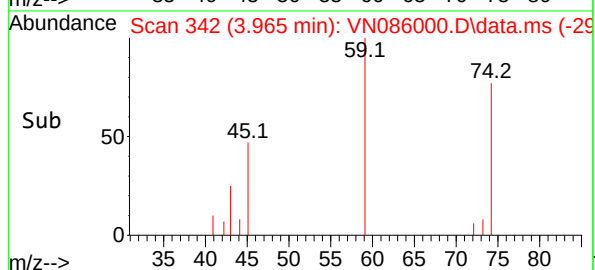
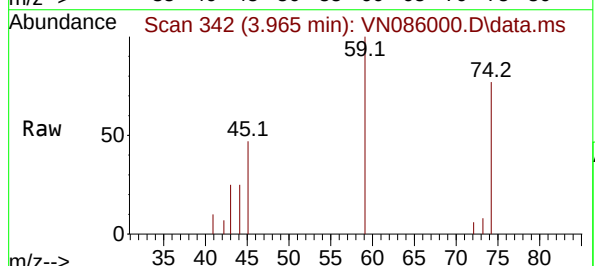
Manual Integrations
APPROVED

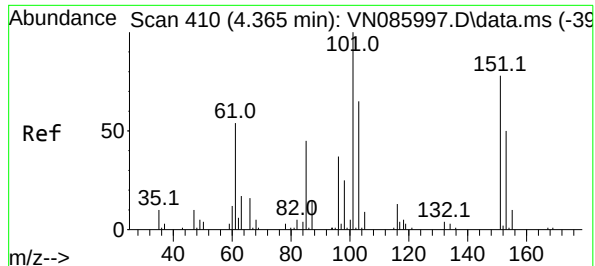
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#8
Diethyl Ether
Concen: 4.728 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 74 Resp: 5061
Ion Ratio Lower Upper
74 100
45 79.9 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.203 ug/l

RT: 4.371 min Scan# 410

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:101 Resp: 966

Ion Ratio Lower Upper

101 100

85 40.0 36.5 54.7

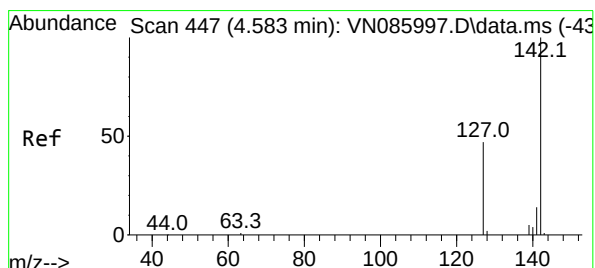
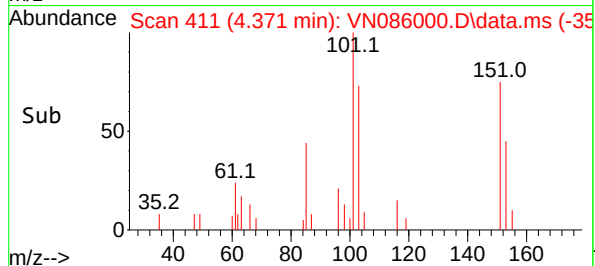
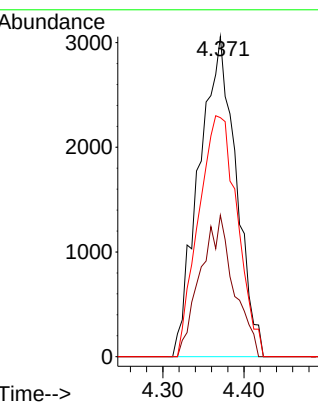
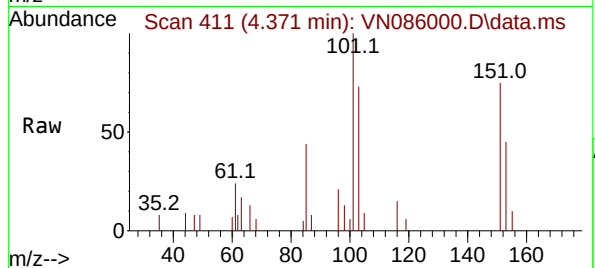
151 79.0 63.4 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#10

Methyl Iodide

Concen: 5.181 ug/l

RT: 4.589 min Scan# 448

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

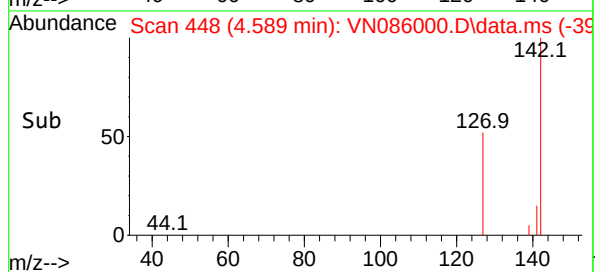
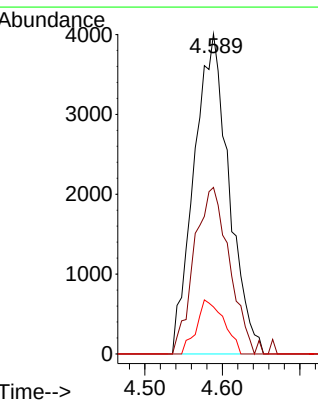
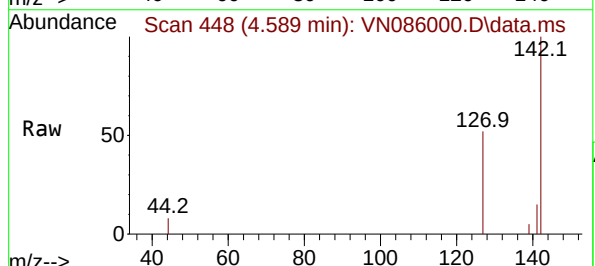
Tgt Ion:142 Resp: 12547

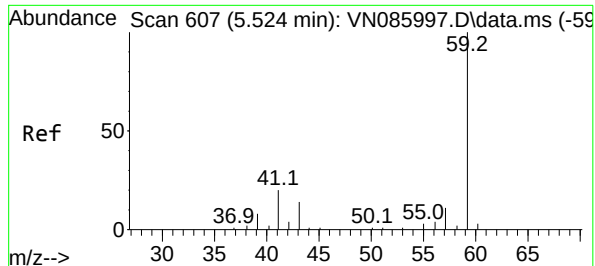
Ion Ratio Lower Upper

142 100

127 52.0 37.5 56.3

141 14.7 11.0 16.6





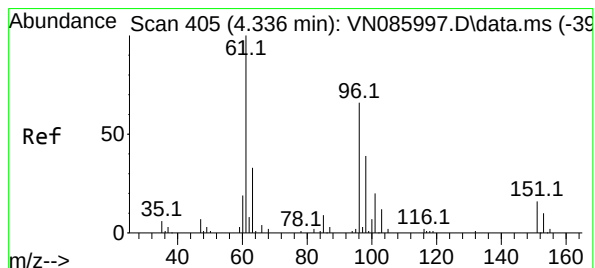
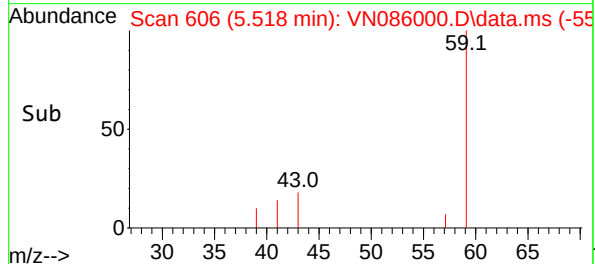
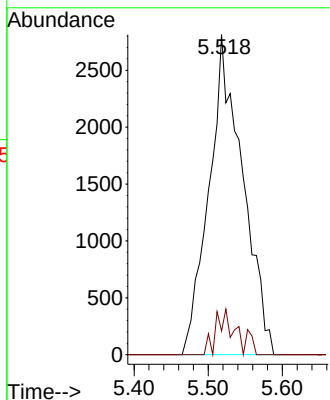
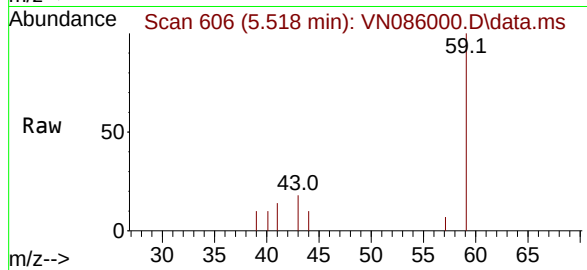
#11
Tert butyl alcohol
Concen: 27.847 ug/l
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 884
Ion Ratio Lower Upper
59 100
57 7.1 7.9 11.9

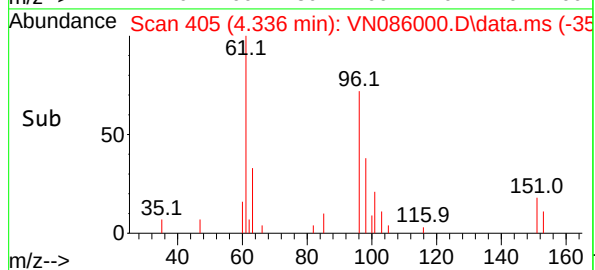
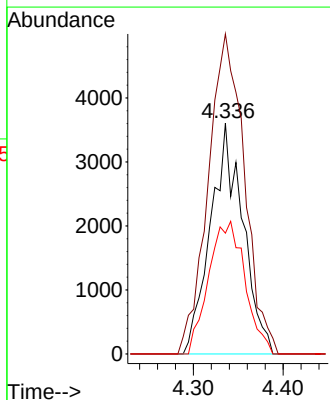
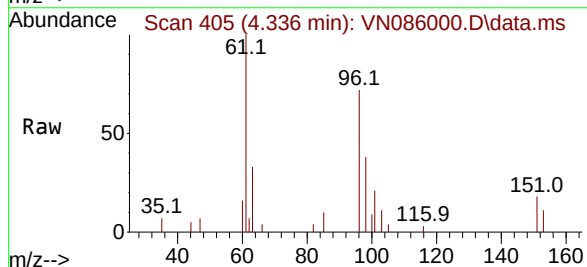
Manual Integrations
APPROVED

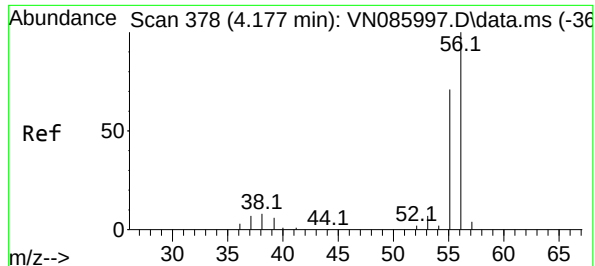
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#12
1,1-Dichloroethene
Concen: 5.367 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 96 Resp: 9006
Ion Ratio Lower Upper
96 100
61 138.6 120.5 180.7
98 52.3 47.4 71.0





#13

Acrolein

Concen: 27.839 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 9429

Ion Ratio Lower Upper

56 100

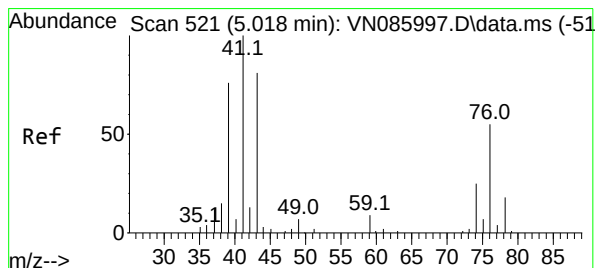
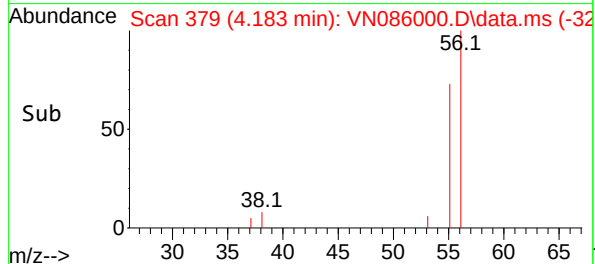
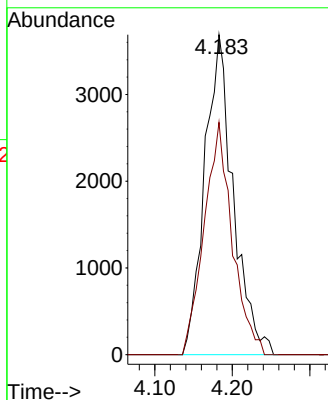
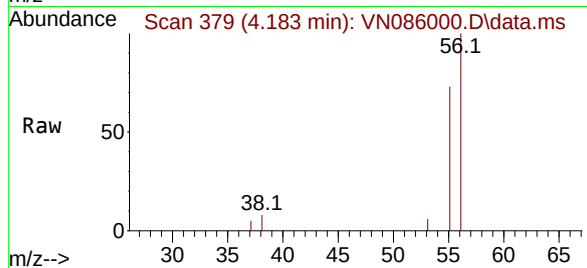
55 71.5 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 5.350 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

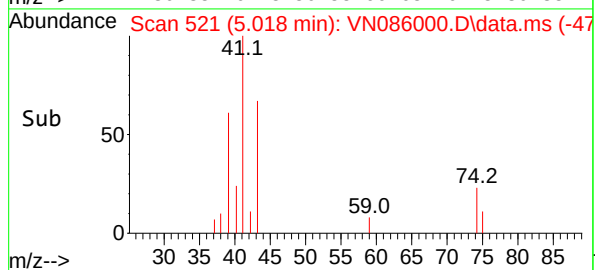
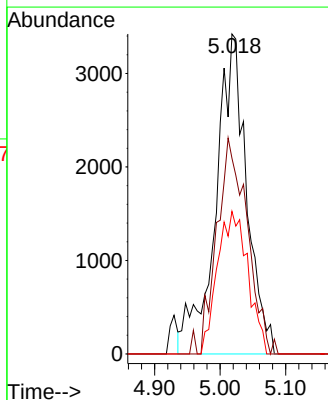
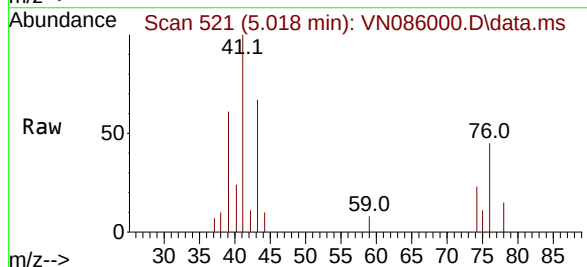
Tgt Ion: 41 Resp: 11201

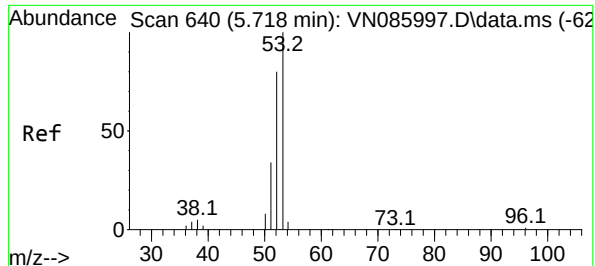
Ion Ratio Lower Upper

41 100

39 66.6 55.5 83.3

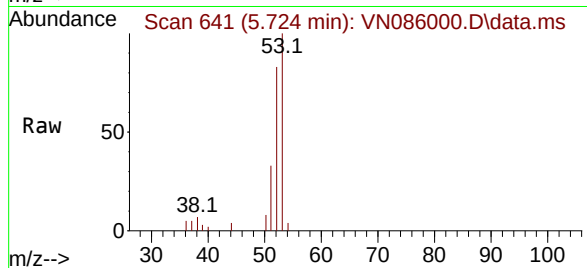
76 43.8 39.1 58.7





#15
Acrylonitrile
Concen: 26.440 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

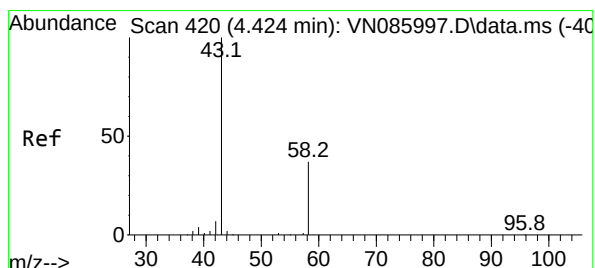
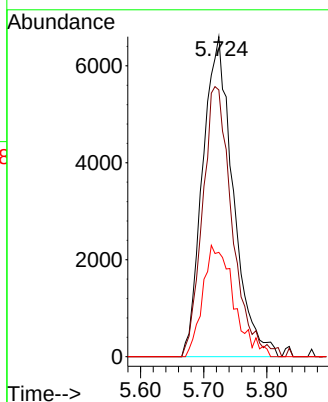
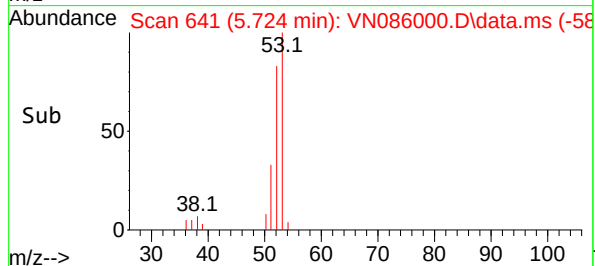
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



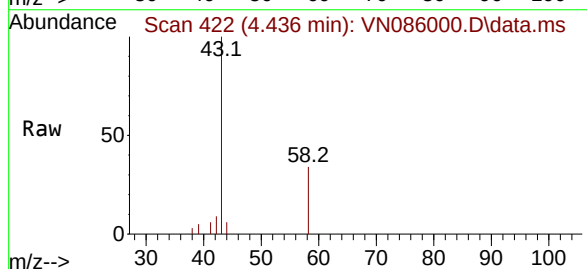
Tgt Ion: 53 Resp: 22174
Ion Ratio Lower Upper
53 100
52 81.9 63.9 95.9
51 35.5 27.1 40.7

Manual Integrations
APPROVED

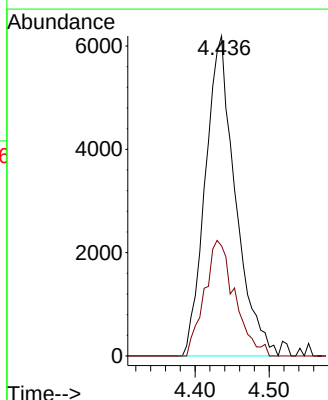
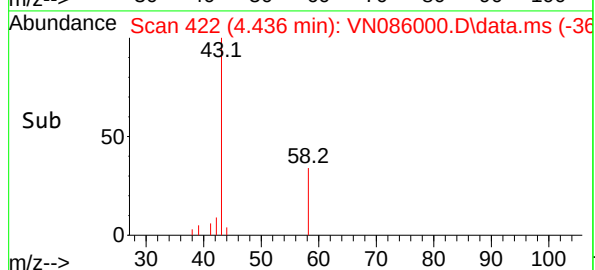
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

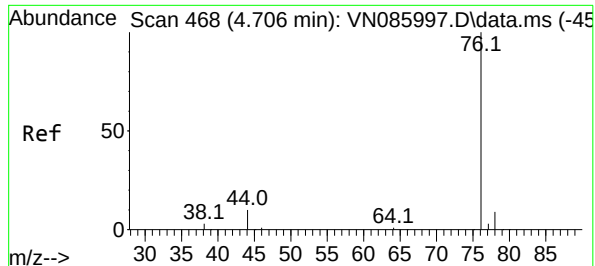


#16
Acetone
Concen: 25.474 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.011 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21



Tgt Ion: 43 Resp: 17456
Ion Ratio Lower Upper
43 100
58 34.4 29.4 44.2





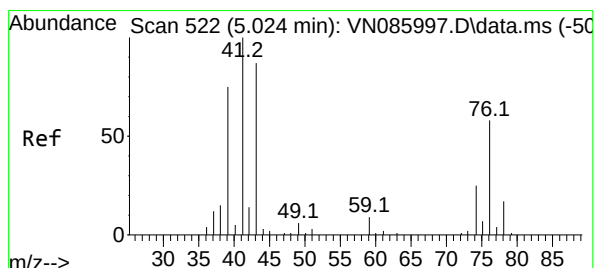
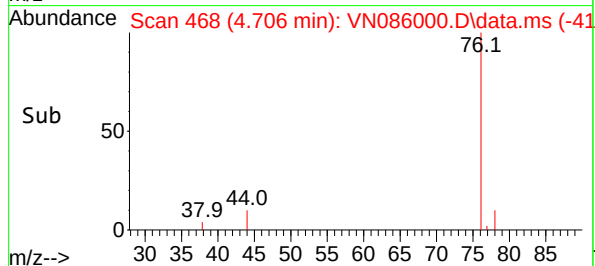
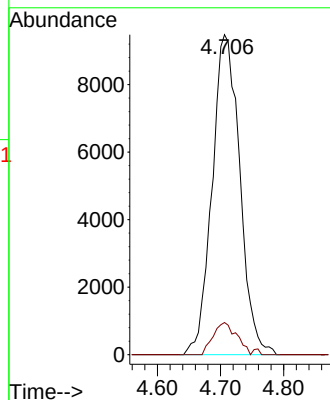
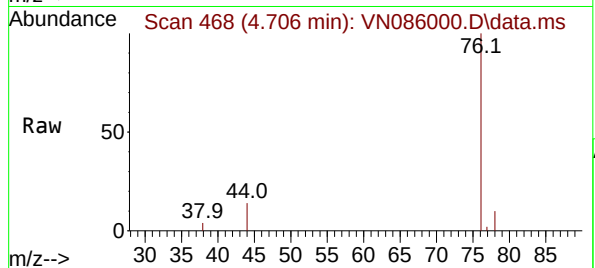
#17
Carbon Disulfide
Concen: 5.237 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 28904
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2

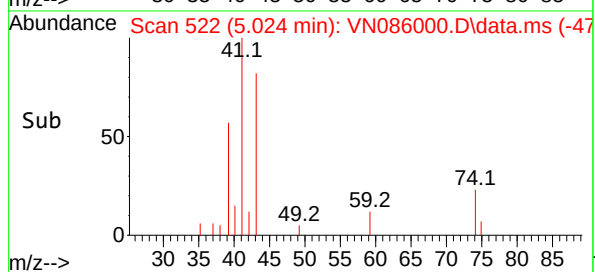
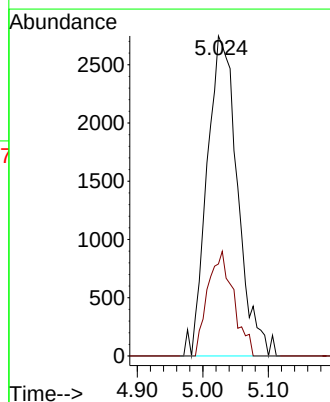
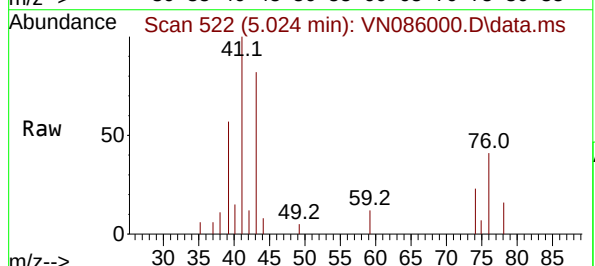
Manual Integrations
APPROVED

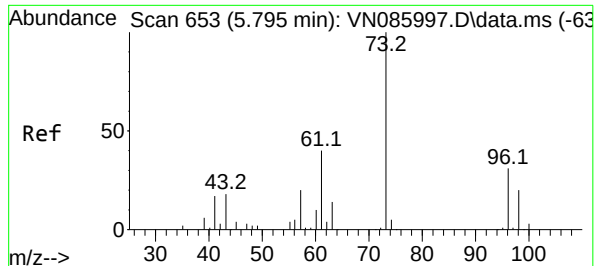
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#18
Methyl Acetate
Concen: 5.237 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 43 Resp: 8878
Ion Ratio Lower Upper
43 100
74 27.6 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 4.878 ug/l

RT: 5.794 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 2682

Ion Ratio Lower Upper

73 100

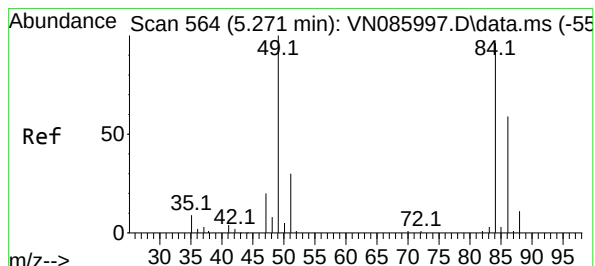
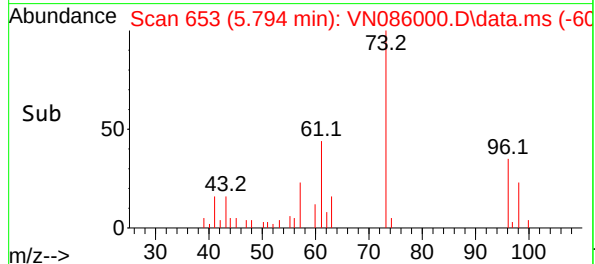
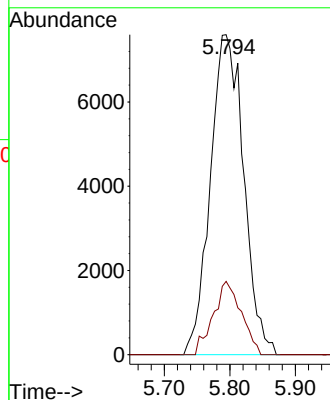
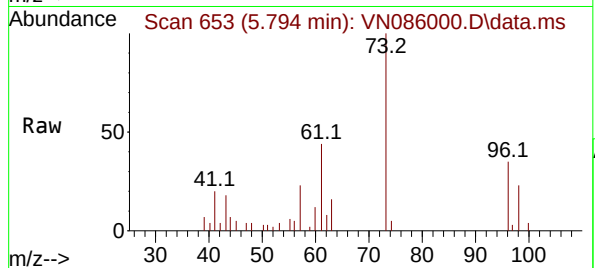
57 22.9 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#20

Methylene Chloride

Concen: 5.223 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion: 84 Resp: 10471

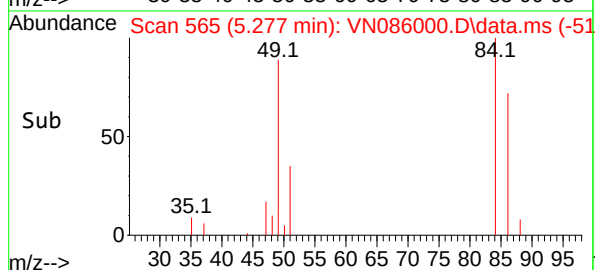
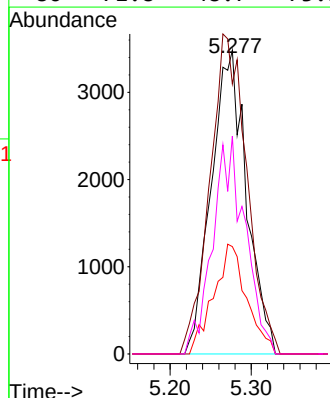
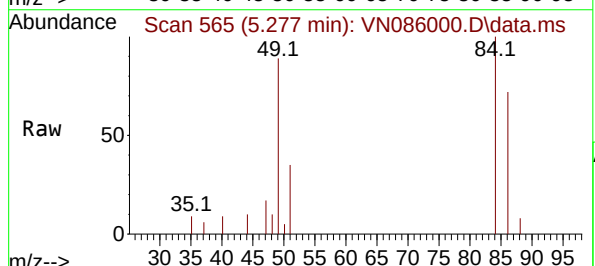
Ion Ratio Lower Upper

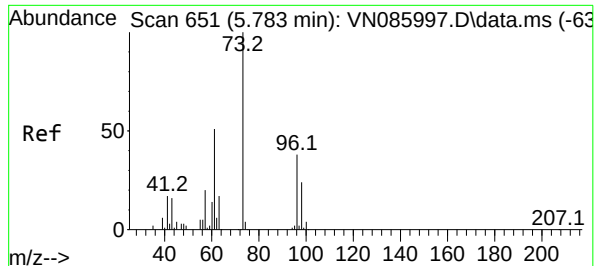
84 100

49 88.9 83.3 124.9

51 35.4 24.8 37.2

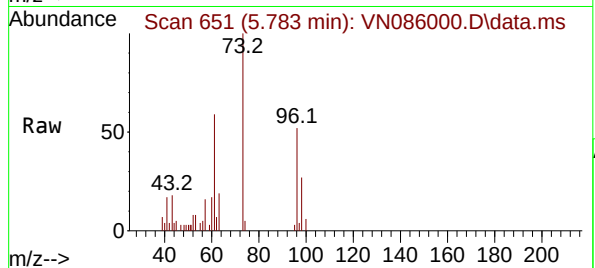
86 71.8 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 5.039 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

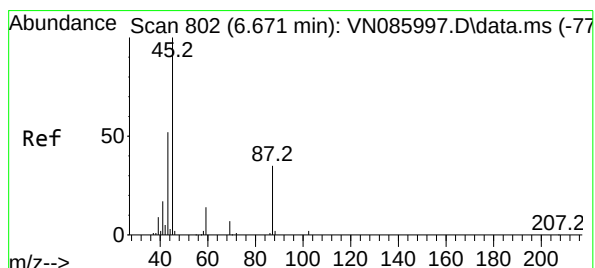
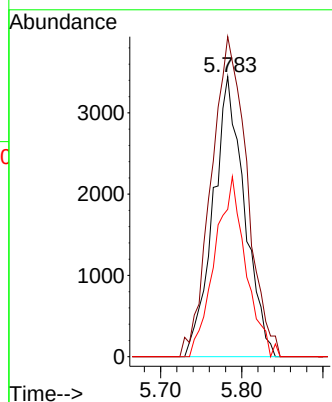
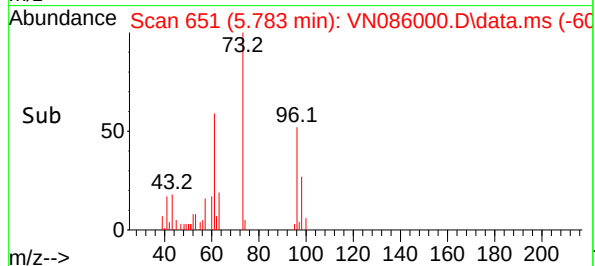
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 924
Ion Ratio Lower Upper
96 100
61 114.3 106.6 160.0
98 52.6 50.0 75.0

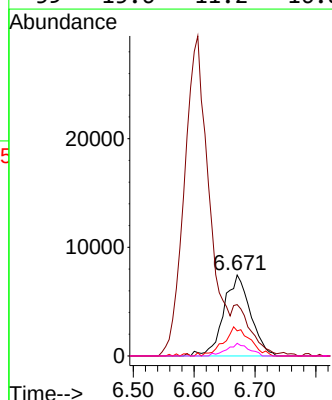
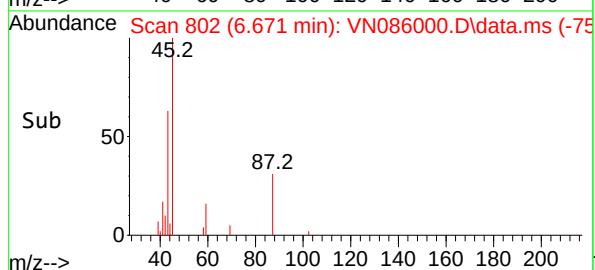
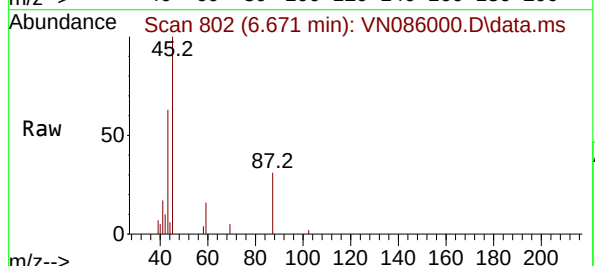
Manual Integrations
APPROVED

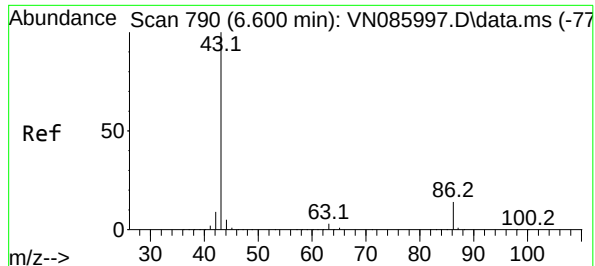
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 5.092 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 45 Resp: 22716
Ion Ratio Lower Upper
45 100
43 59.9 41.2 61.8
87 31.1 28.5 42.7
59 15.6 11.2 16.8





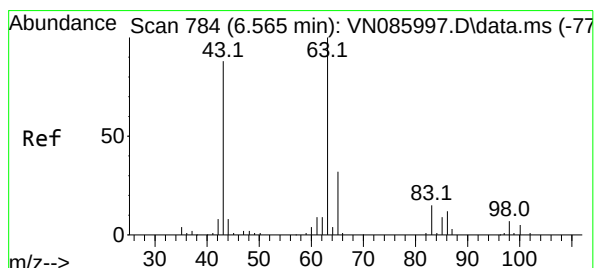
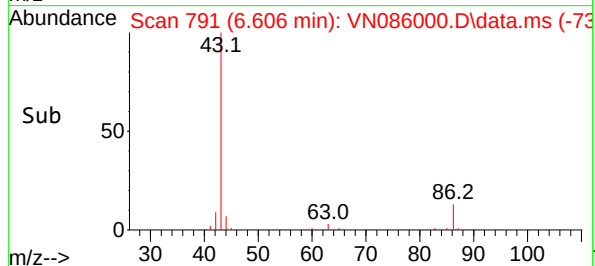
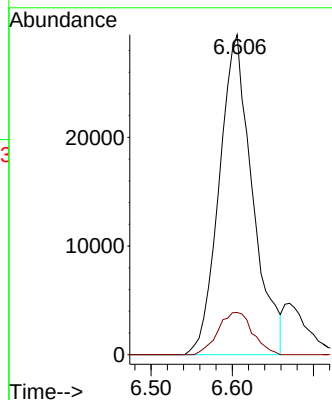
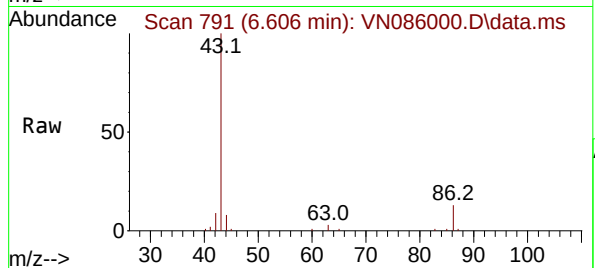
#23
Vinyl Acetate
Concen: 24.772 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 8378
Ion Ratio Lower Upper
43 100
86 13.2 11.2 16.8

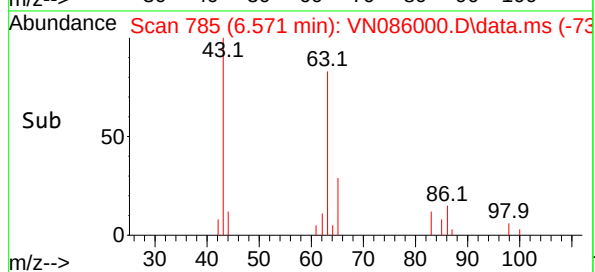
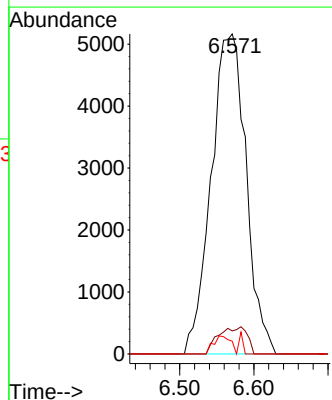
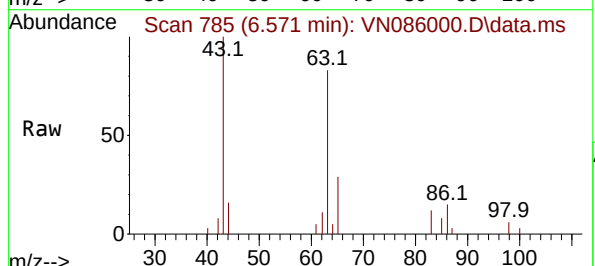
Manual Integrations
APPROVED

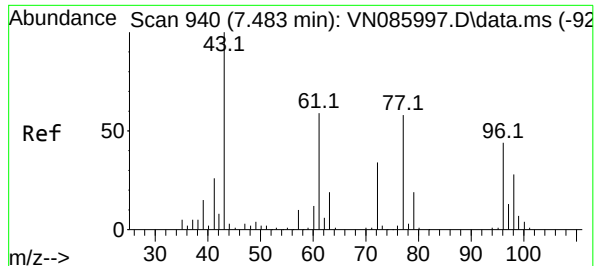
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#24
1,1-Dichloroethane
Concen: 5.151 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 63 Resp: 16897
Ion Ratio Lower Upper
63 100
98 7.2 3.6 10.9
100 4.0 2.5 7.5





#25

2-Butanone

Concen: 26.392 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 2609

Ion Ratio Lower Upper

43 100

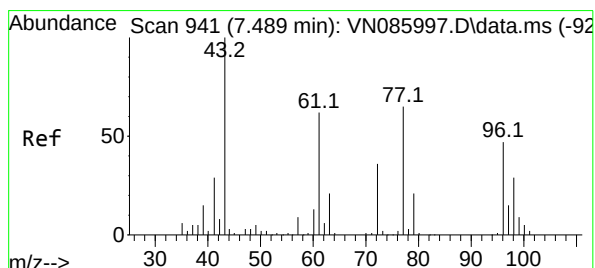
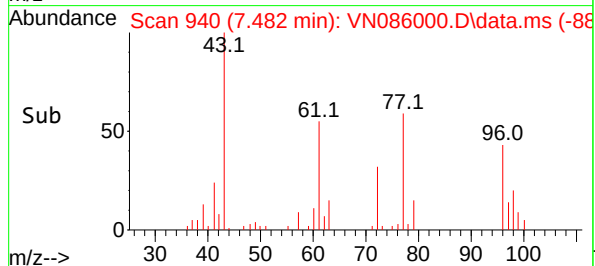
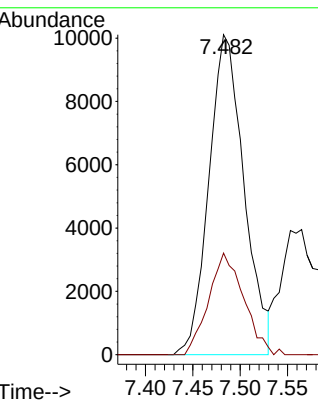
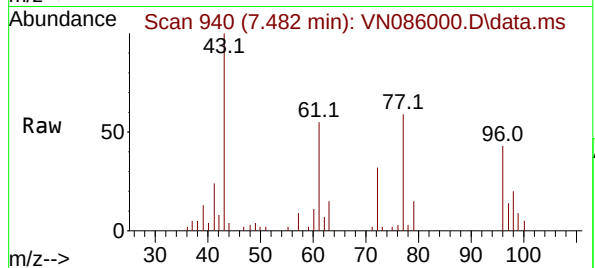
72 31.8 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#26

2,2-Dichloropropane

Concen: 5.274 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN086000.D

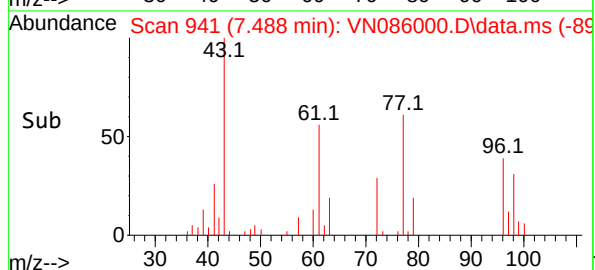
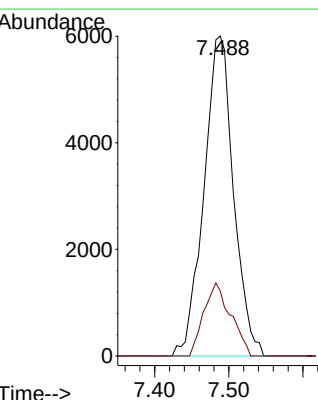
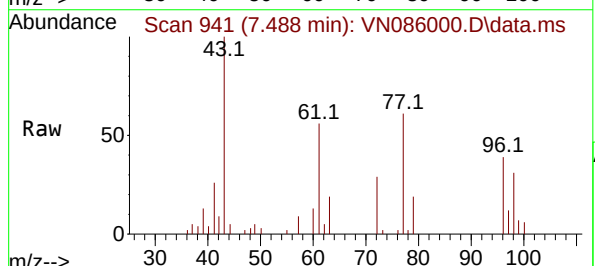
Acq: 18 Mar 2025 13:21

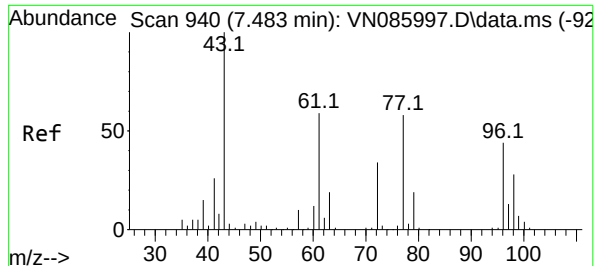
Tgt Ion: 77 Resp: 16658

Ion Ratio Lower Upper

77 100

97 20.7 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 5.154 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion: 96 Resp: 1074

Ion Ratio Lower Upper

96 100

61 137.8 0.0 272.8

98 65.5 0.0 124.8

Instrument :

MSVOA_N

ClientSampleId :

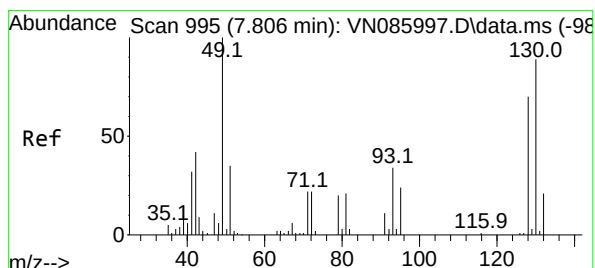
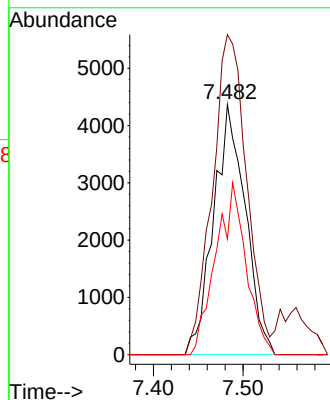
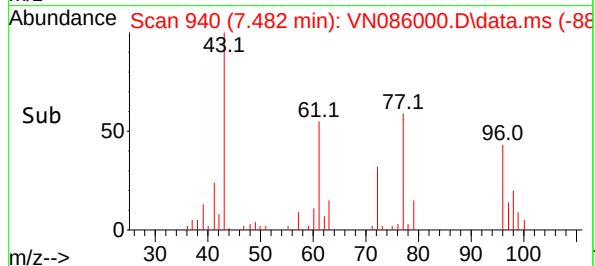
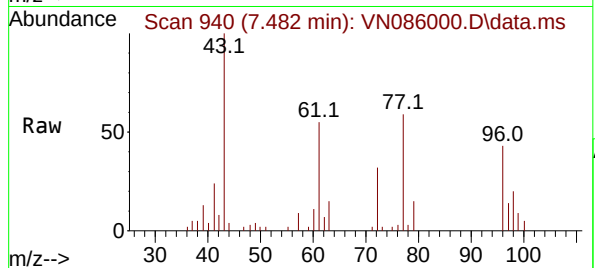
VSTDIC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#28

Bromochloromethane

Concen: 5.064 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

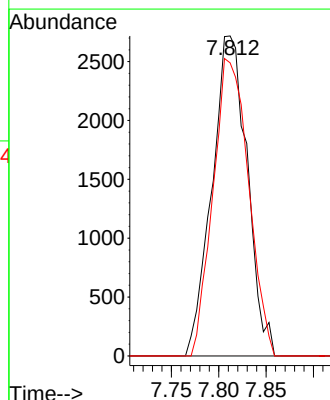
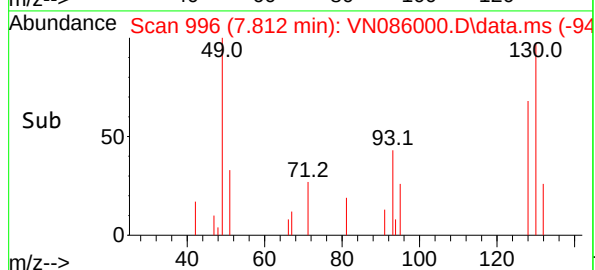
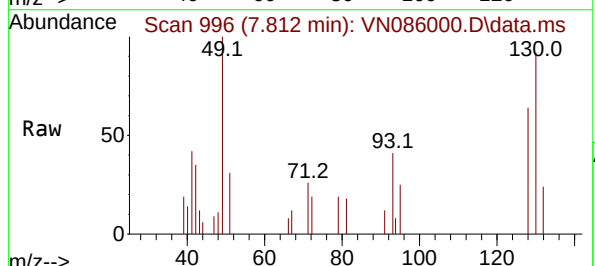
Tgt Ion: 49 Resp: 7039

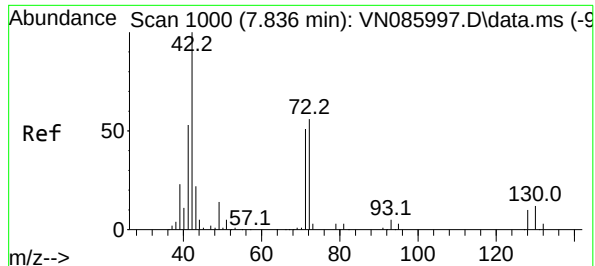
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 93.4 74.2 111.4





#29

Tetrahydrofuran

Concen: 26.382 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.011 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

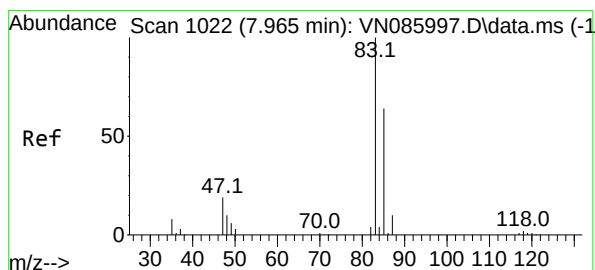
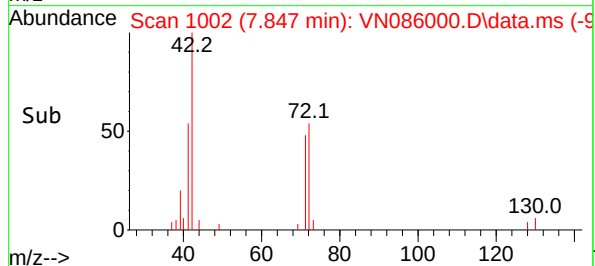
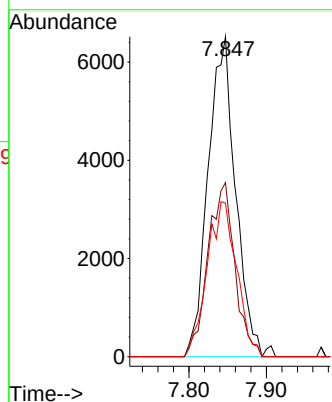
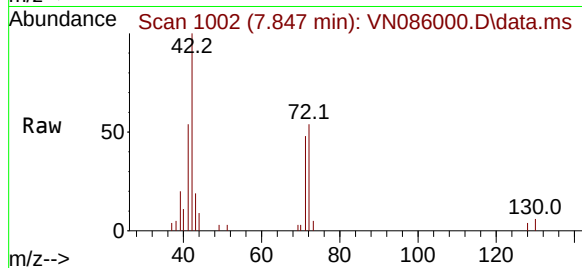
Tgt Ion:	42	Resp:	16104
Ion	Ratio	Lower	Upper
42	100		
72	53.0	45.0	67.4
71	51.9	41.9	62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 5.188 ug/l

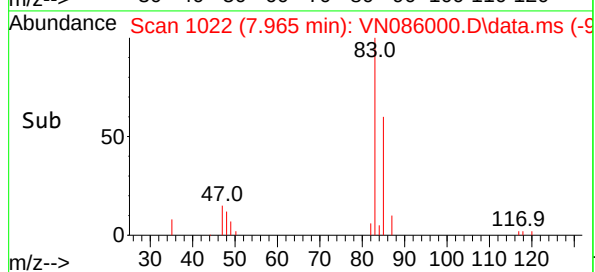
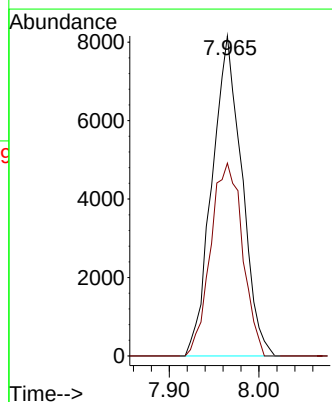
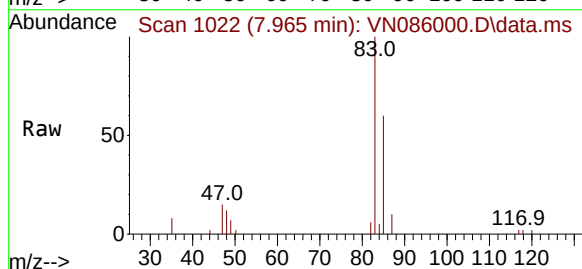
RT: 7.965 min Scan# 1022

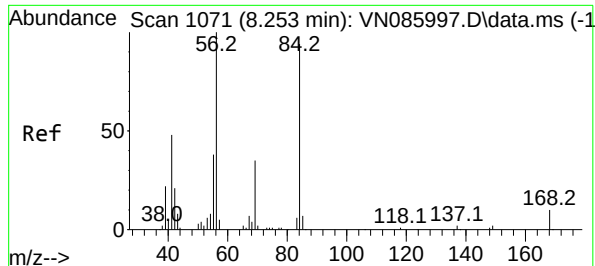
Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

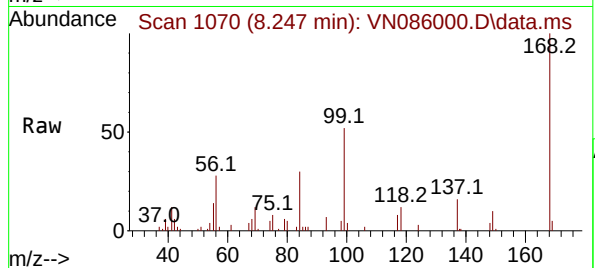
Tgt Ion:	83	Resp:	18814
Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.5	77.3





#31
Cyclohexane
Concen: 5.611 ug/l
RT: 8.247 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

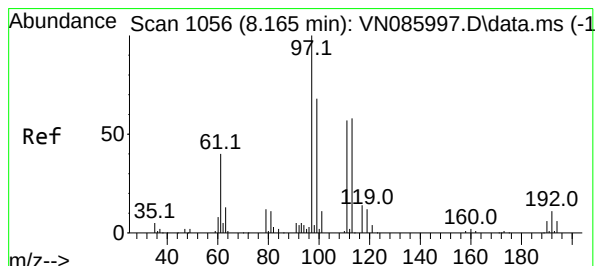
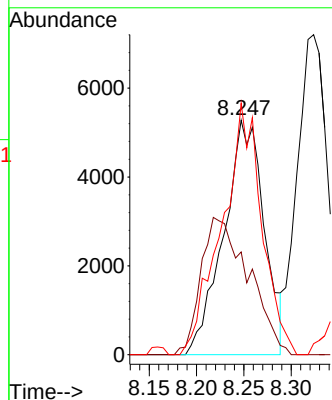
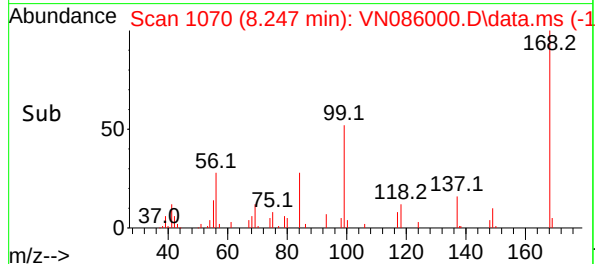
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 56 Resp: 1568
Ion Ratio Lower Upper
56 100
69 40.9 28.0 42.0
84 107.2 75.0 112.6

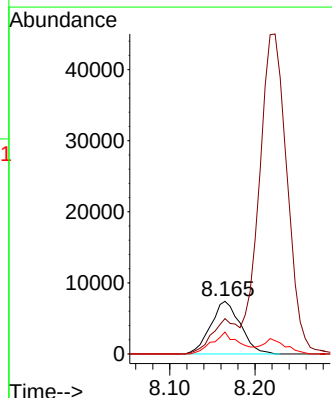
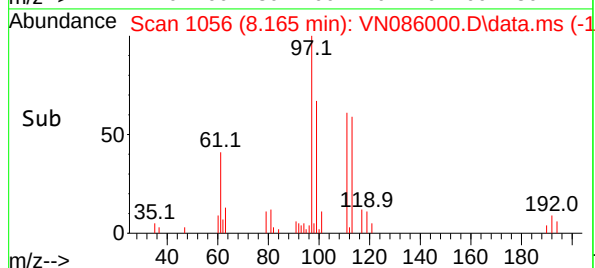
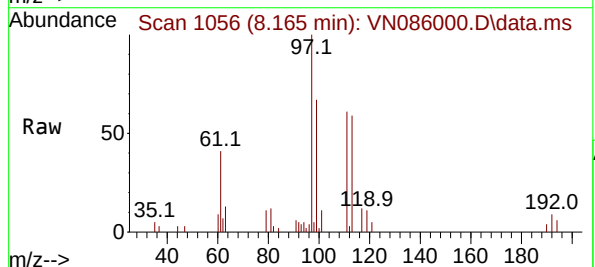
Manual Integrations
APPROVED

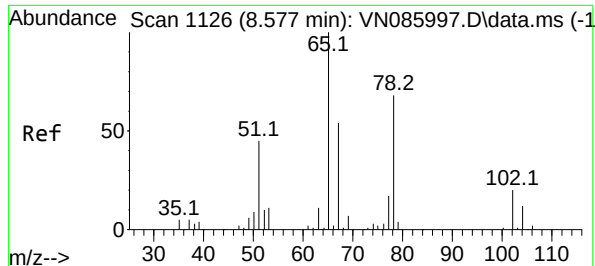
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#32
1,1,1-Trichloroethane
Concen: 5.233 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 97 Resp: 17962
Ion Ratio Lower Upper
97 100
99 58.7 52.8 79.2
61 37.7 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 5.383 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 12074

Ion Ratio Lower Upper

65 100

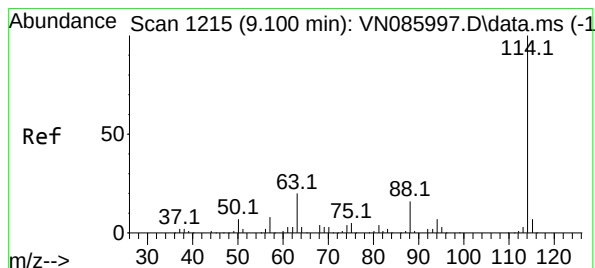
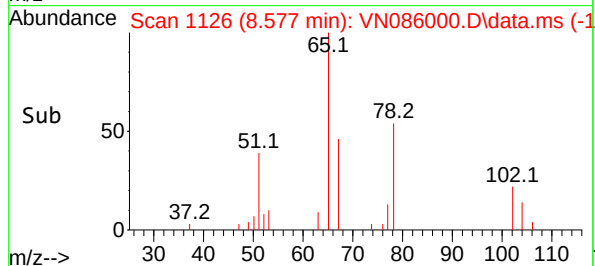
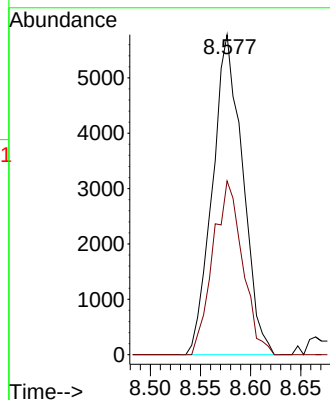
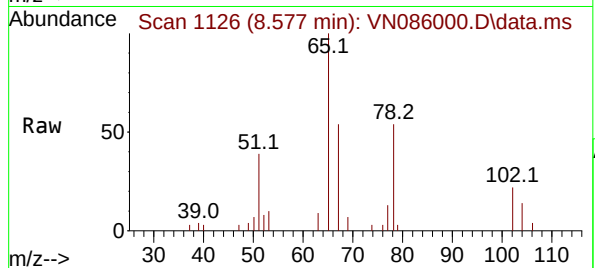
67 53.6 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

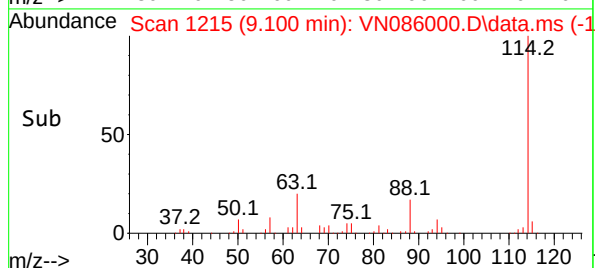
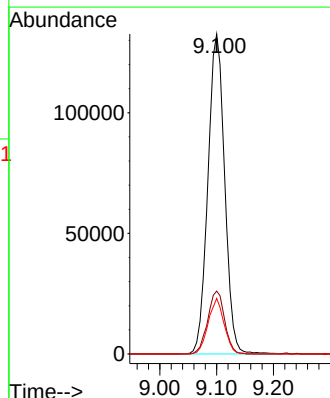
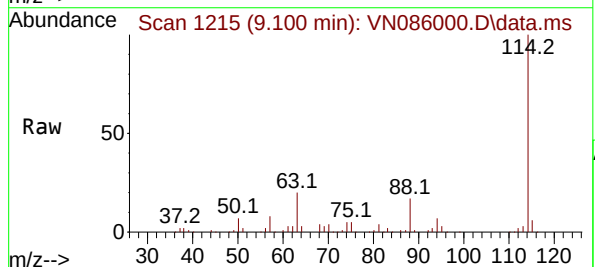
Tgt Ion:114 Resp: 271211

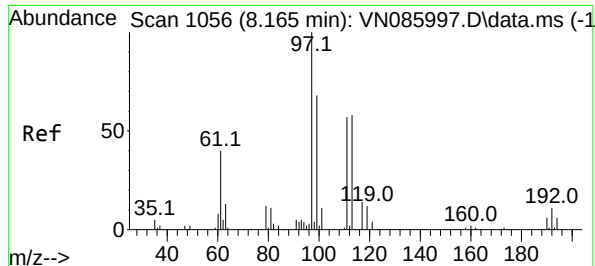
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

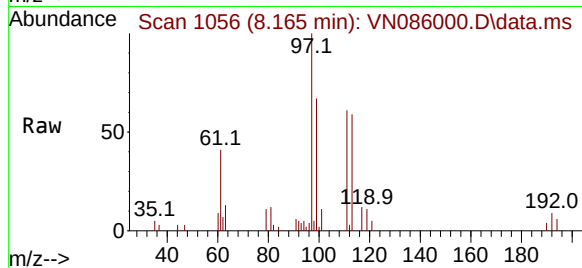
88 17.3 0.0 32.6





#35
Dibromofluoromethane
Concen: 5.274 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

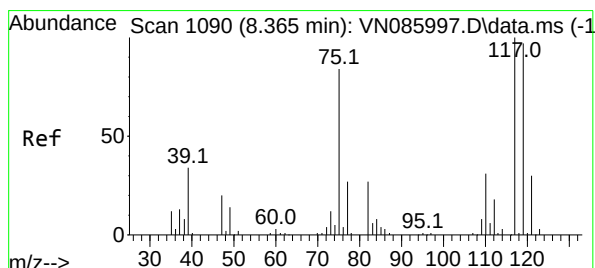
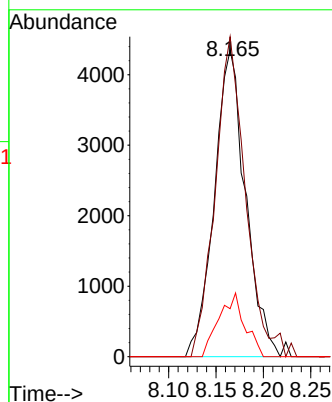
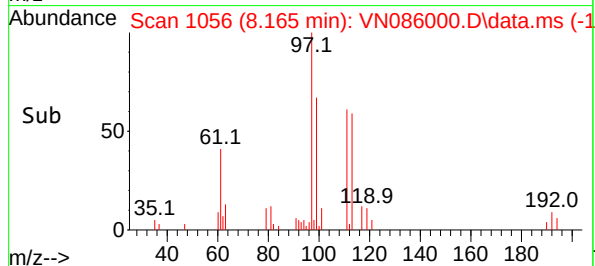
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 113 Resp: 998
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.8
192 17.2 15.9 23.9

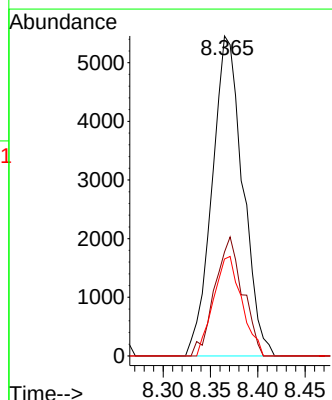
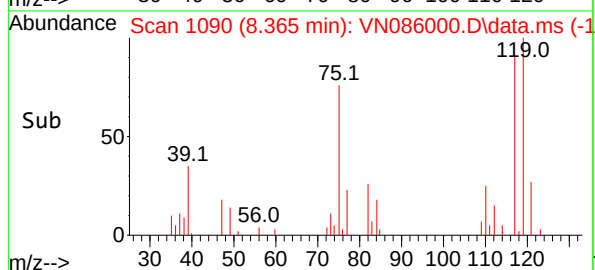
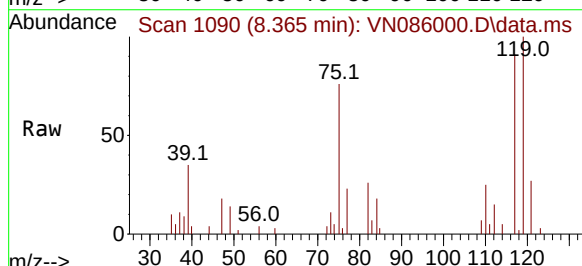
Manual Integrations
APPROVED

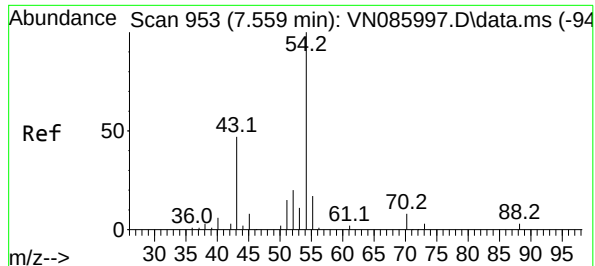
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#36
1,1-Dichloropropene
Concen: 4.936 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 75 Resp: 12303
Ion Ratio Lower Upper
75 100
110 33.9 17.8 53.3
77 28.6 25.0 37.4





#37

Ethyl Acetate

Concen: 5.309 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

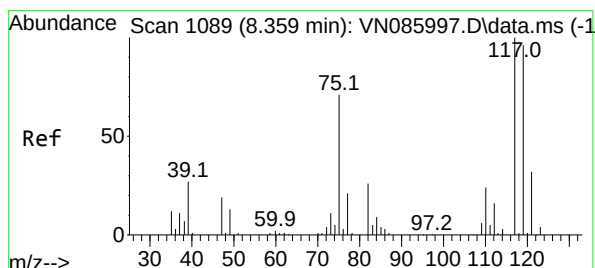
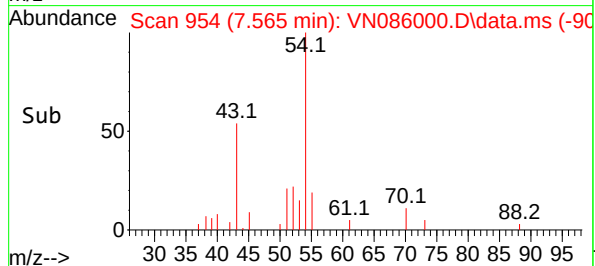
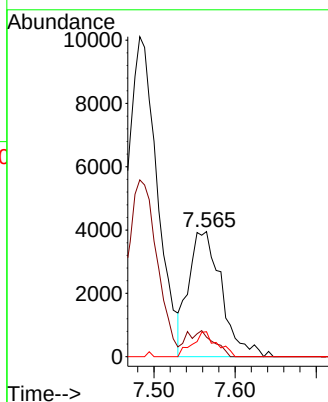
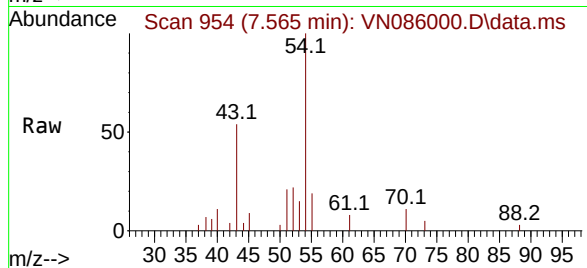
Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	1116
Ion	Ratio	Lower	Upper
43	100		
61	17.1	13.0	19.4
70	14.8	11.0	16.6

Manual Integrations
APPROVEDReviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

#38

Carbon Tetrachloride

Concen: 5.074 ug/l

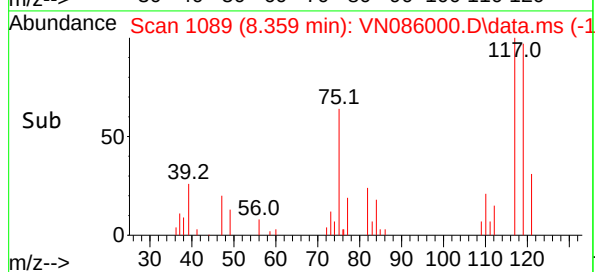
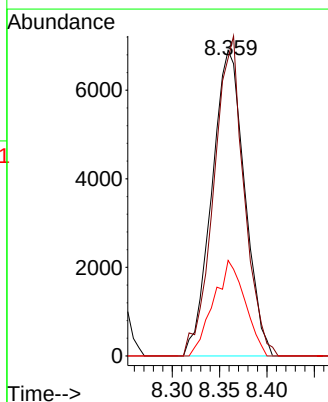
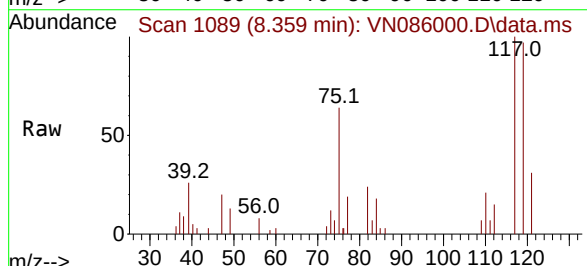
RT: 8.359 min Scan# 1089

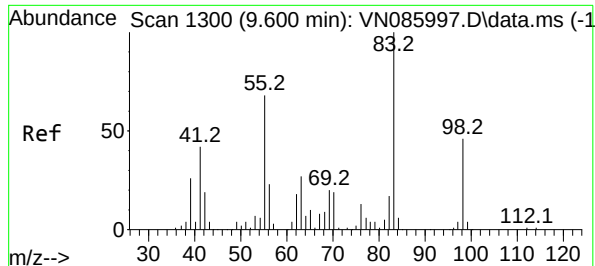
Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion:	117	Resp:	16628
Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.0	115.4
121	31.3	25.6	38.4





#39

Methylcyclohexane

Concen: 4.675 ug/l

RT: 9.600 min Scan# 11300

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 11562

Ion Ratio Lower Upper

83 100

55 81.3 54.2 81.2

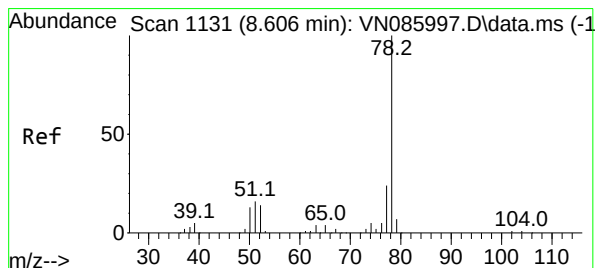
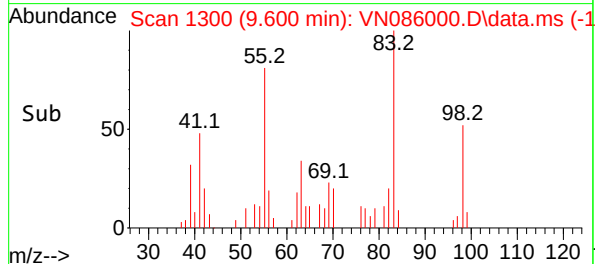
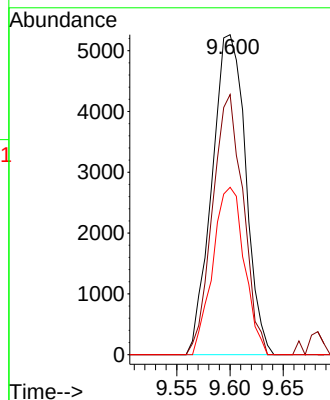
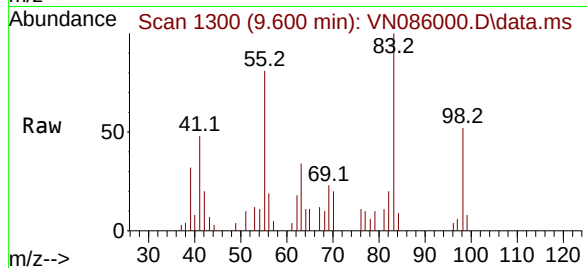
98 52.3 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#40

Benzene

Concen: 5.037 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN086000.D

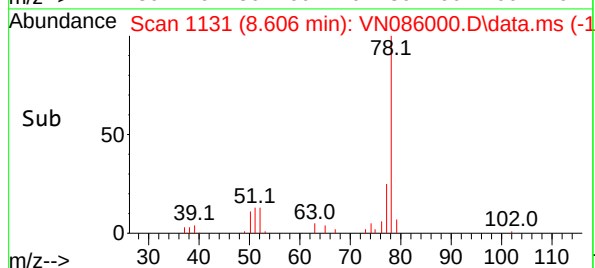
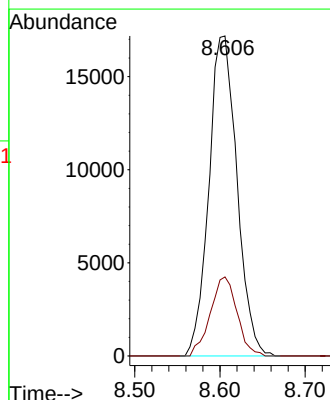
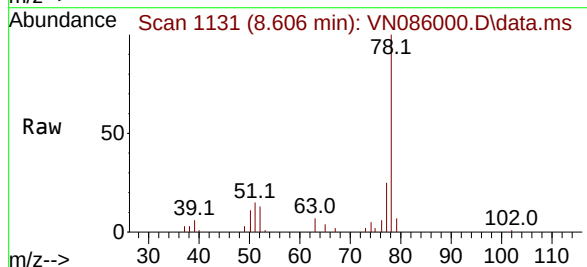
Acq: 18 Mar 2025 13:21

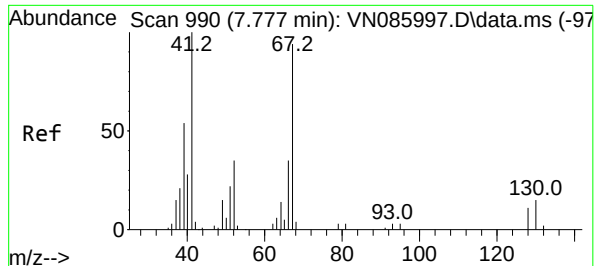
Tgt Ion: 78 Resp: 39414

Ion Ratio Lower Upper

78 100

77 24.7 18.9 28.3





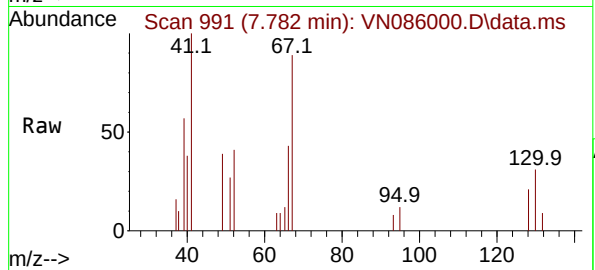
#41
Methacrylonitrile
Concen: 5.074 ug/l
RT: 7.782 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



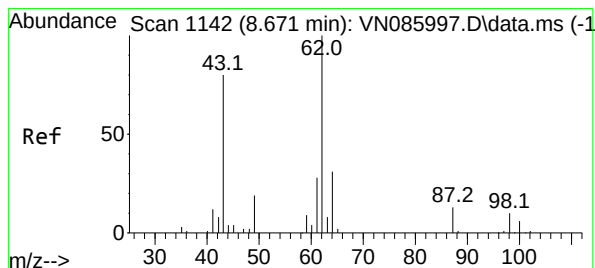
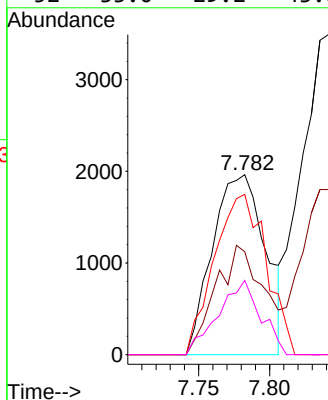
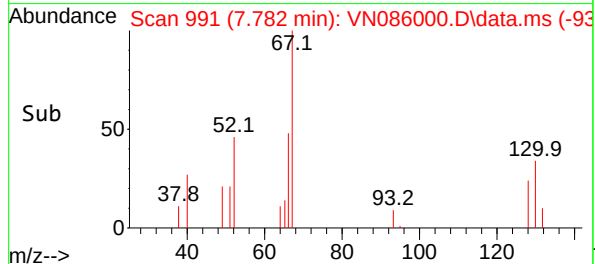
Tgt Ion: 41 Resp: 5098
Ion Ratio Lower Upper
41 100
39 54.5 46.2 69.2
67 87.1 75.9 113.9
52 33.0 29.2 43.8

Manual Integrations

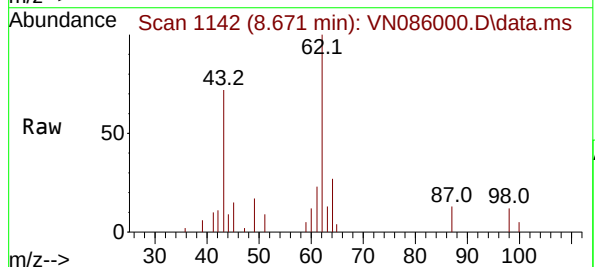
APPROVED

Reviewed By :John Carlone 03/19/2025

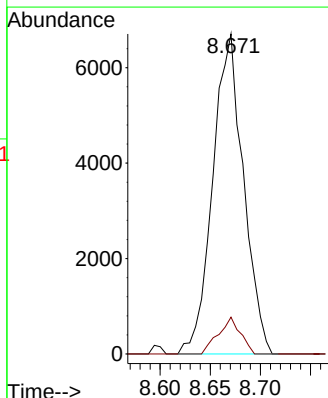
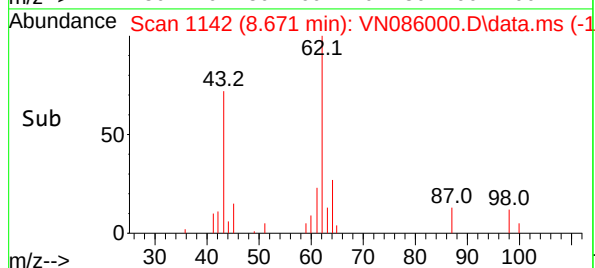
Supervised By :Mahesh Dadoda 03/19/2025

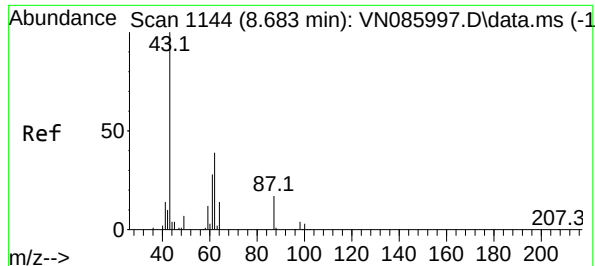


#42
1,2-Dichloroethane
Concen: 5.249 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21



Tgt Ion: 62 Resp: 14311
Ion Ratio Lower Upper
62 100
98 8.2 0.0 18.6





#43

Isopropyl Acetate

Concen: 4.992 ug/l

RT: 8.688 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

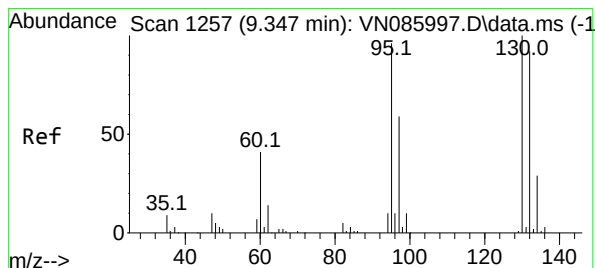
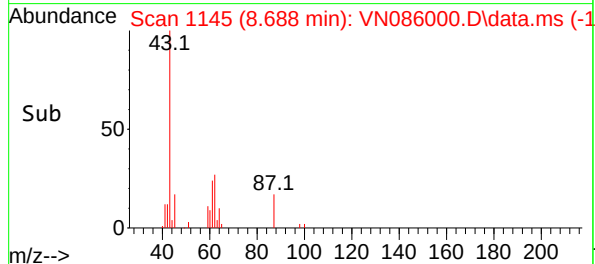
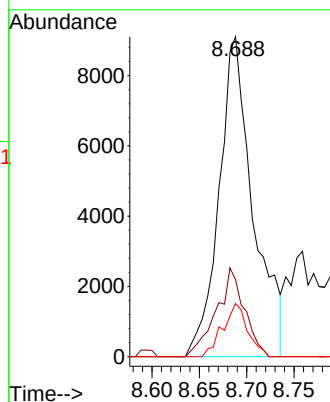
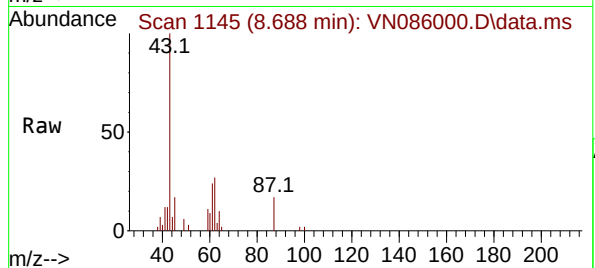
Tgt Ion:	43	Resp:	22794
Ion	Ratio	Lower	Upper
43	100		
61	22.9	25.0	37.6
87	12.2	13.0	19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#44

Trichloroethene

Concen: 5.081 ug/l

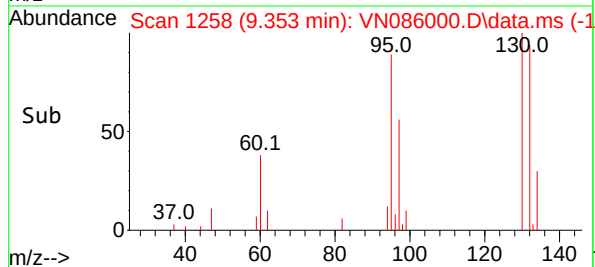
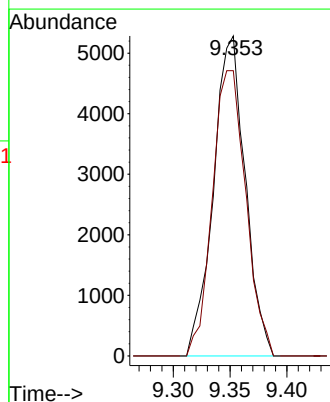
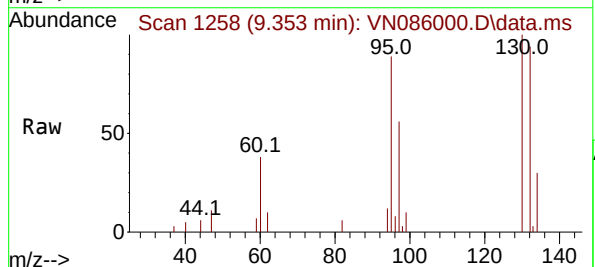
RT: 9.353 min Scan# 1258

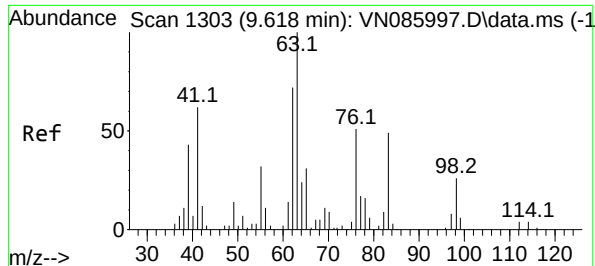
Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion:	130	Resp:	10304
Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	191.6





#45

1,2-Dichloropropane

Concen: 5.071 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 9020

Ion Ratio Lower Upper

63 100

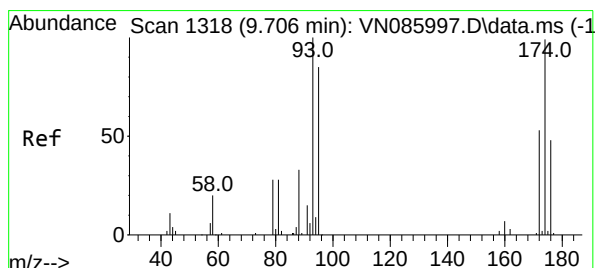
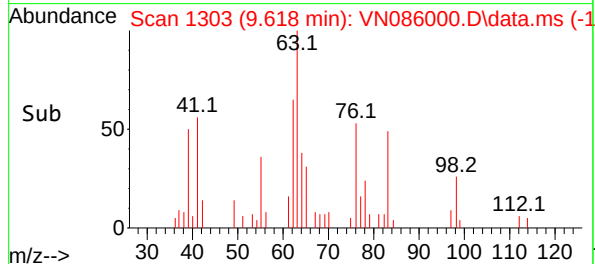
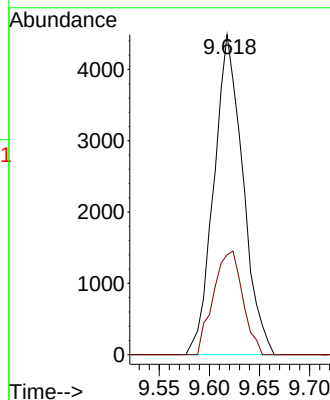
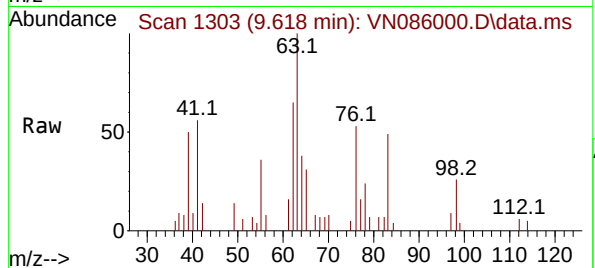
65 31.2 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#46

Dibromomethane

Concen: 5.194 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

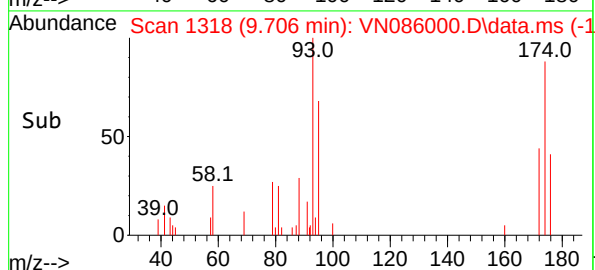
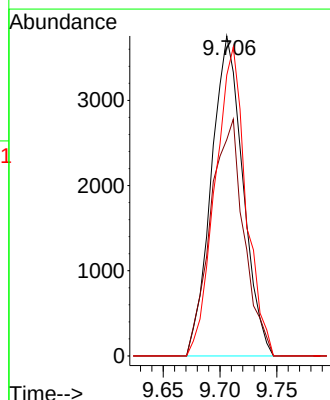
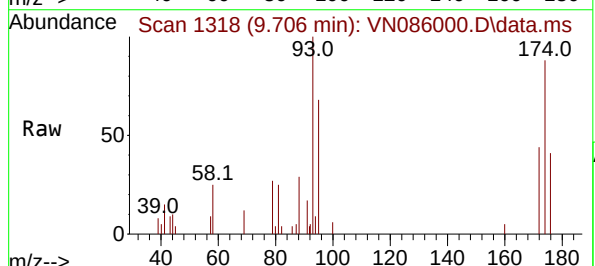
Tgt Ion: 93 Resp: 7270

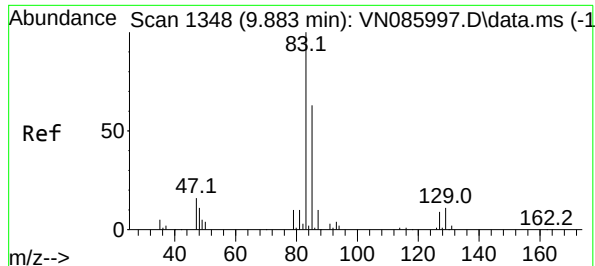
Ion Ratio Lower Upper

93 100

95 78.3 66.2 99.2

174 94.3 80.1 120.1





#47

Bromodichloromethane

Concen: 5.197 ug/l

RT: 9.888 min Scan# 1348

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

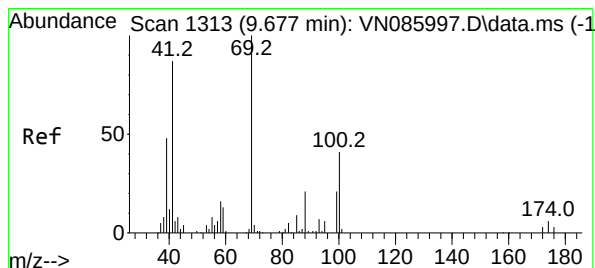
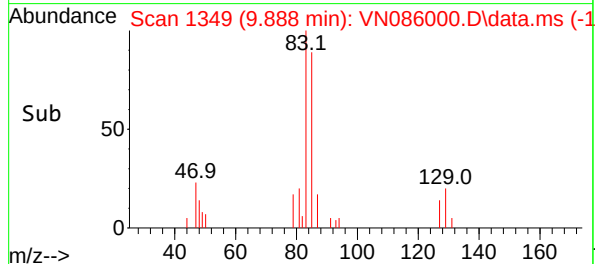
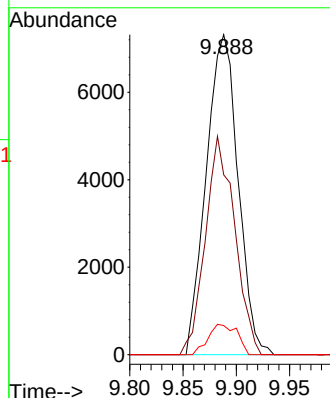
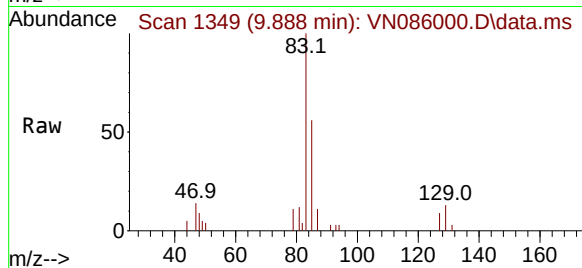
Tgt Ion: 83	Resp: 1520
Ion Ratio	Lower Upper
83 100	
85 56.2	50.2 75.2
127 9.1	7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#48

Methyl methacrylate

Concen: 4.635 ug/l

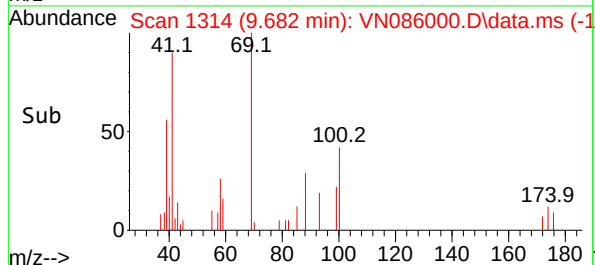
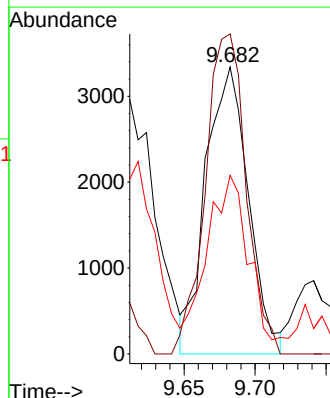
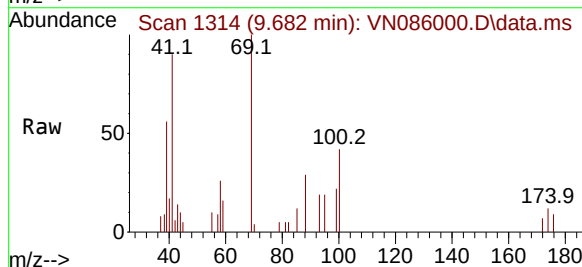
RT: 9.682 min Scan# 1314

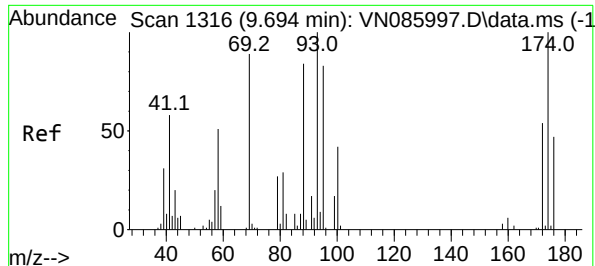
Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion: 41	Resp: 6970
Ion Ratio	Lower Upper
41 100	
69 106.7	83.1 124.7
39 63.4	45.6 68.4





#49

1,4-Dioxane

Concen: 107.772 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 383

Ion Ratio Lower Upper

88 100

43 17.1 21.7 32.5

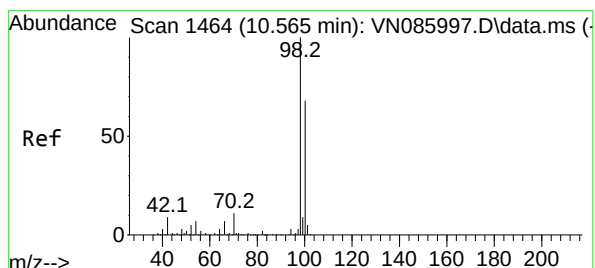
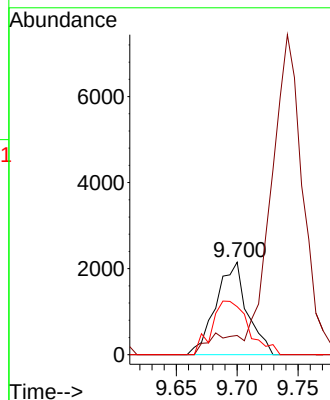
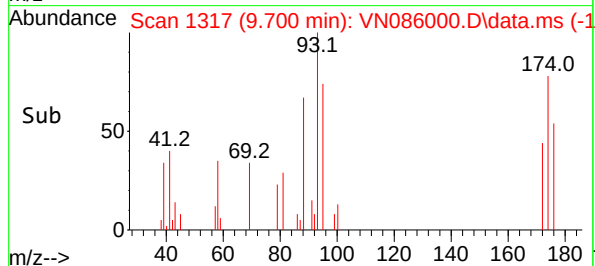
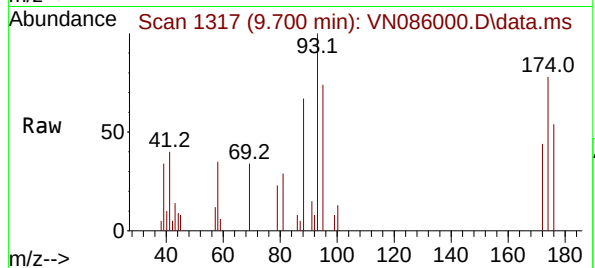
58 68.3 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#50

Toluene-d8

Concen: 4.803 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086000.D

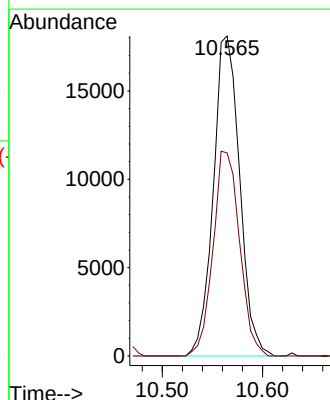
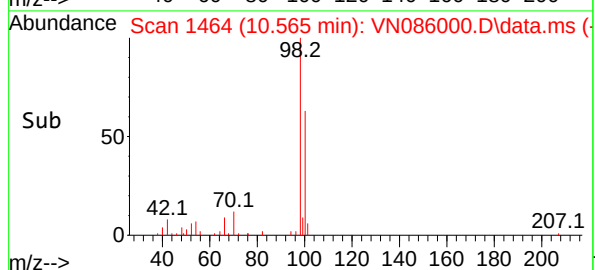
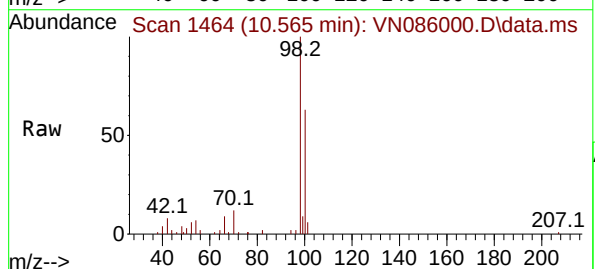
Acq: 18 Mar 2025 13:21

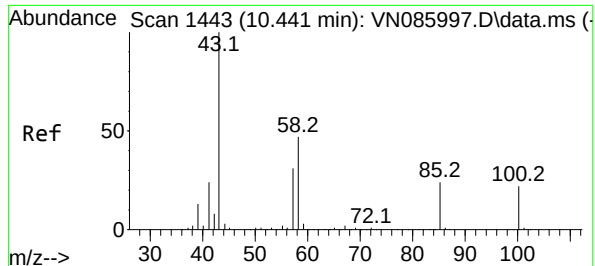
Tgt Ion: 98 Resp: 32999

Ion Ratio Lower Upper

98 100

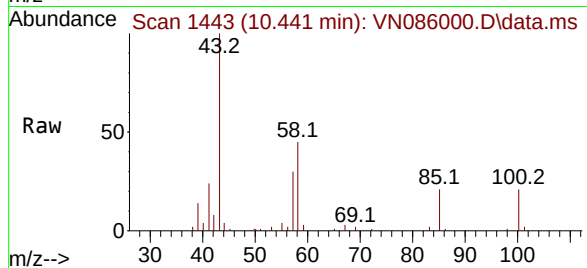
100 64.5 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 24.920 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

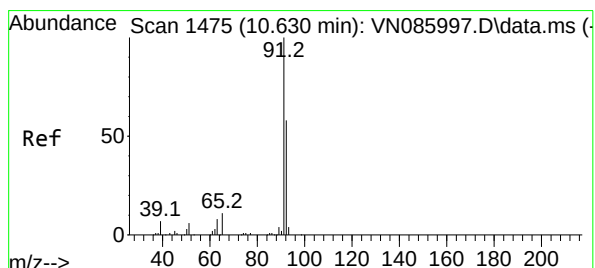
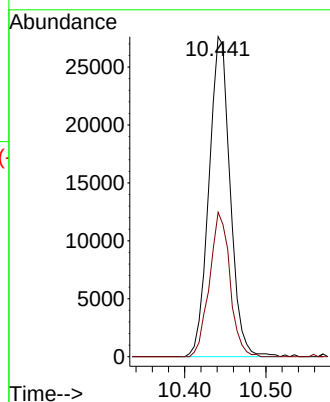
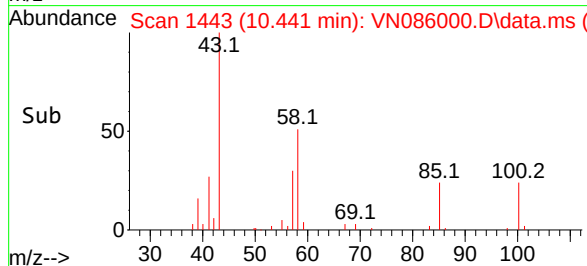
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 5008
Ion Ratio Lower Upper
43 100
58 43.5 37.4 56.0

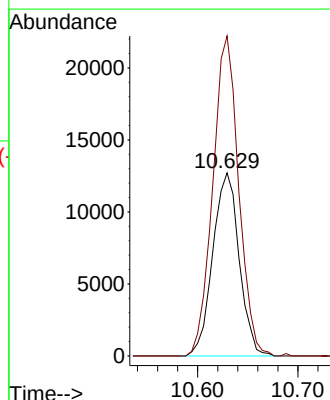
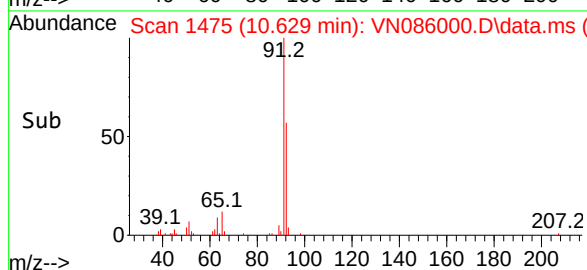
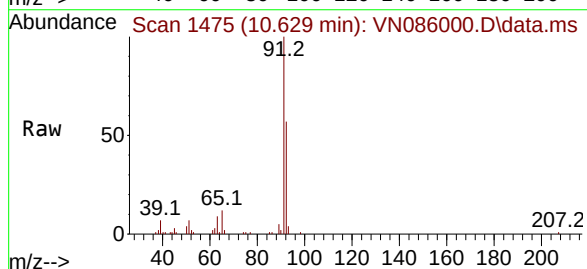
Manual Integrations
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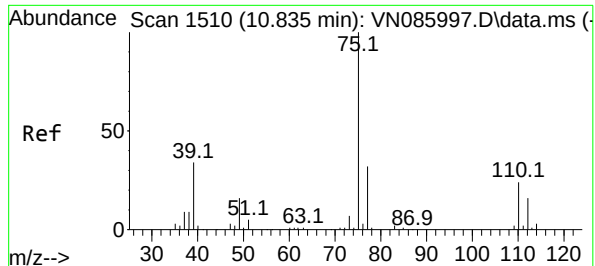
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#52
Toluene
Concen: 4.836 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

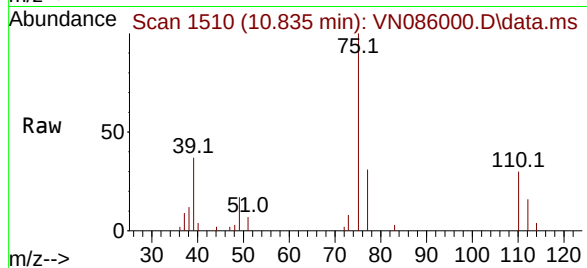
Tgt Ion: 92 Resp: 23224
Ion Ratio Lower Upper
92 100
91 171.3 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 4.785 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

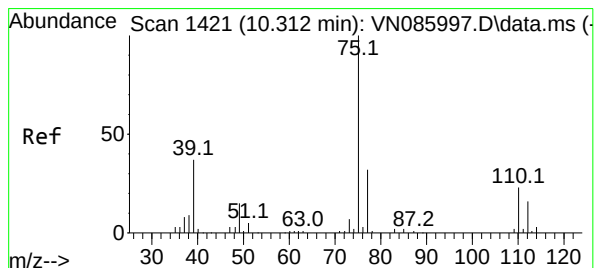
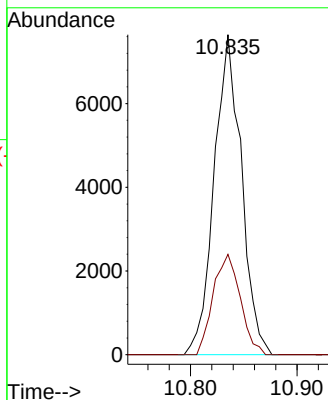
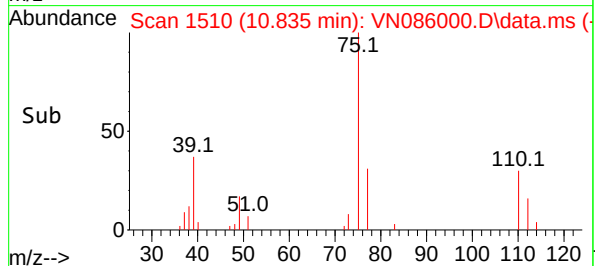
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



Tgt Ion: 75 Resp: 13594
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9

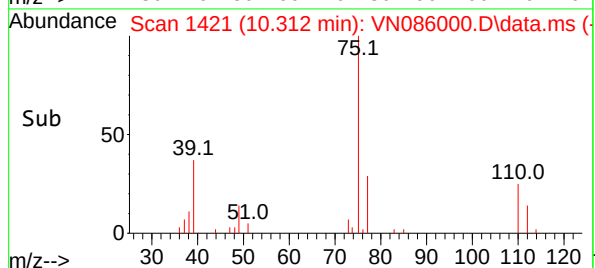
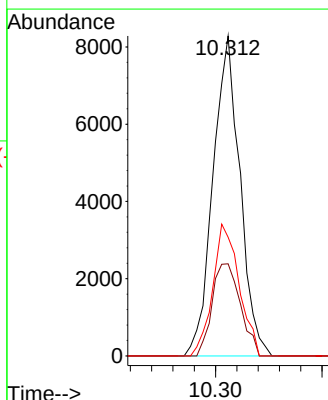
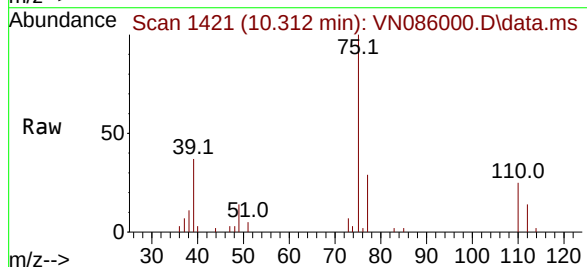
Manual Integrations
APPROVED

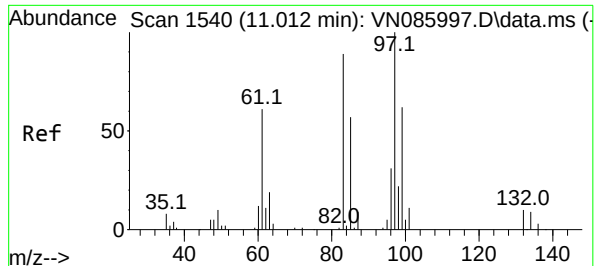
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#54
cis-1,3-Dichloropropene
Concen: 4.856 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

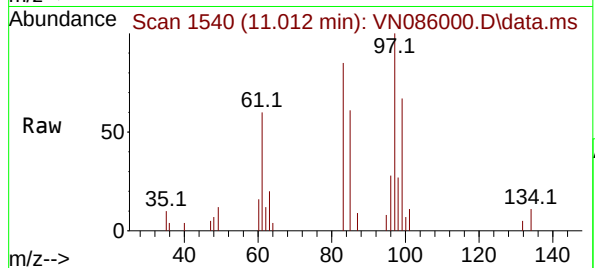
Tgt Ion: 75 Resp: 14556
Ion Ratio Lower Upper
75 100
77 28.8 25.3 37.9
39 37.1 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 5.007 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

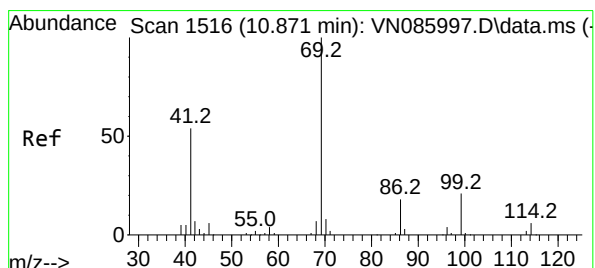
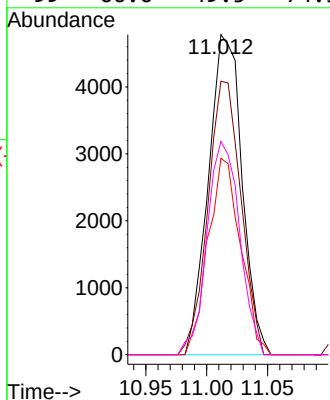
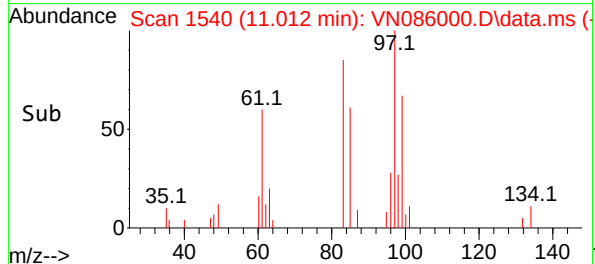
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 97 Resp: 9178
Ion Ratio Lower Upper
97 100
83 85.5 71.2 106.8
85 61.3 45.4 68.0
99 66.6 49.5 74.3

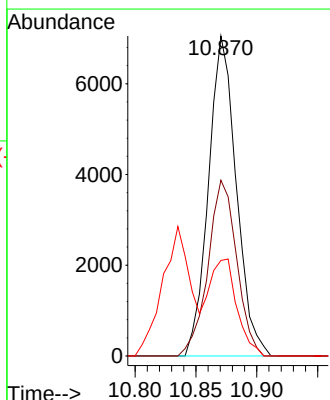
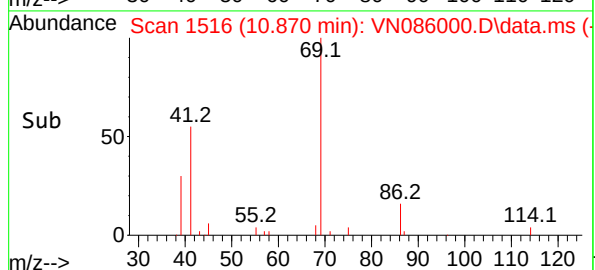
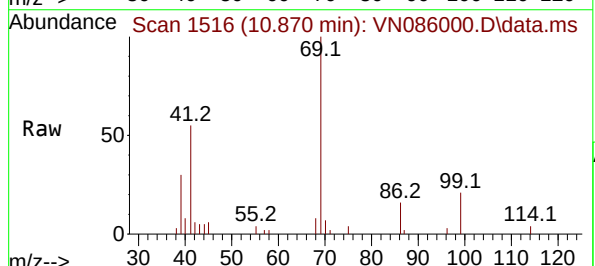
Manual Integrations
APPROVED

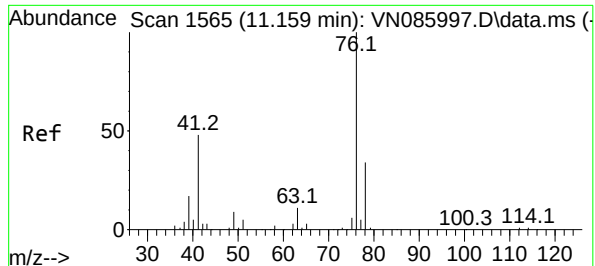
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#56
Ethyl methacrylate
Concen: 4.940 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.001 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 69 Resp: 11206
Ion Ratio Lower Upper
69 100
41 56.6 41.6 62.4
39 30.7 21.8 32.8





#57

1,3-Dichloropropane

Concen: 4.858 ug/l

RT: 11.165 min Scan# 1565

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 15120

Ion Ratio Lower Upper

76 100

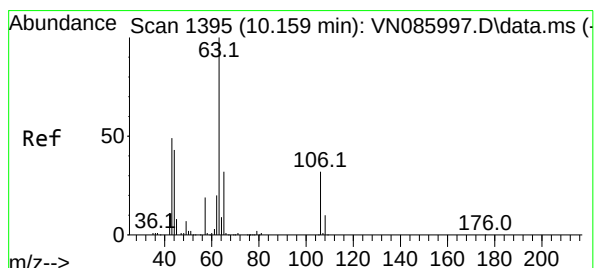
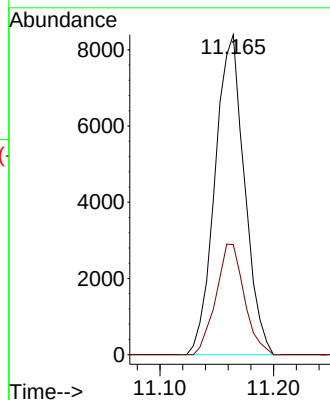
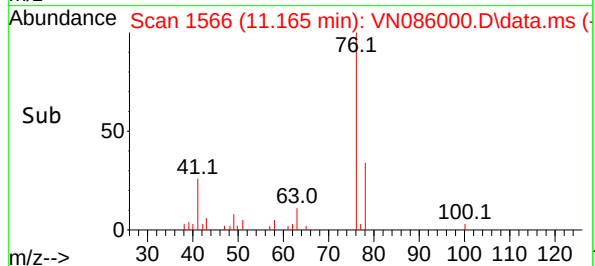
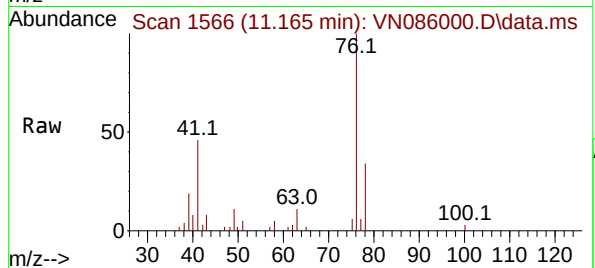
78 33.2 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 31.548 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN086000.D

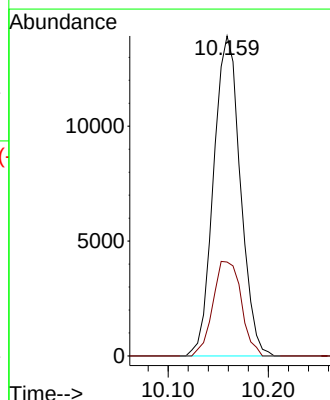
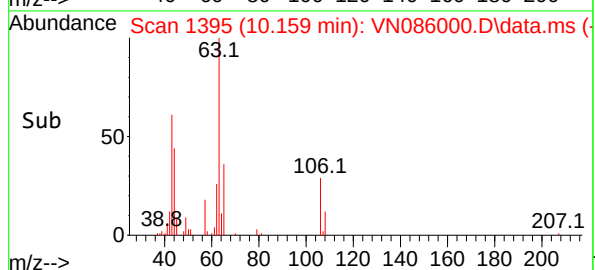
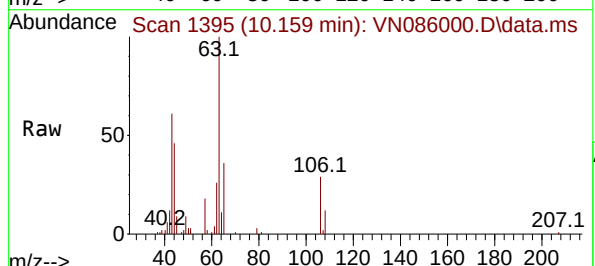
Acq: 18 Mar 2025 13:21

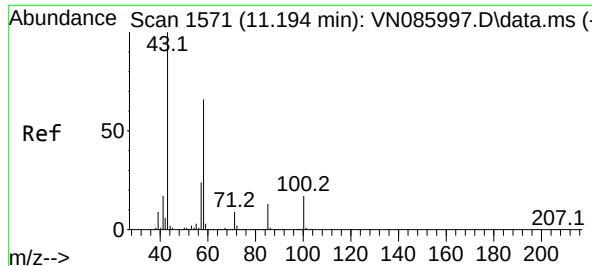
Tgt Ion: 63 Resp: 25811

Ion Ratio Lower Upper

63 100

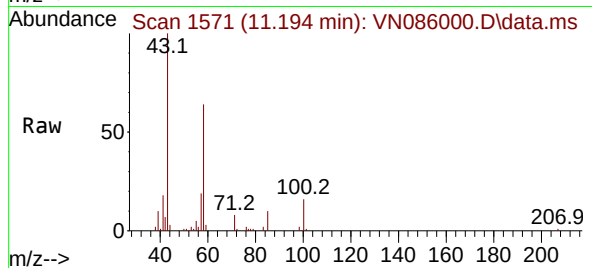
106 31.3 25.0 37.6





#59
2-Hexanone
Concen: 24.217 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

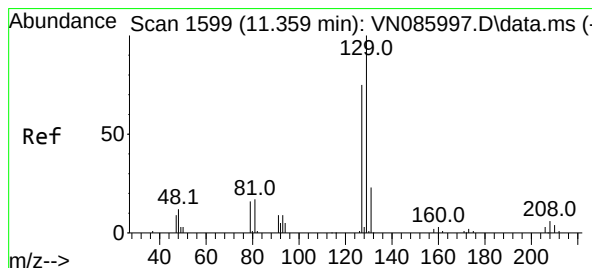
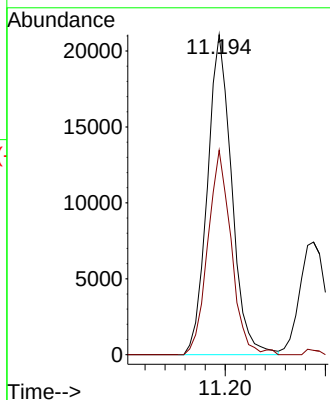
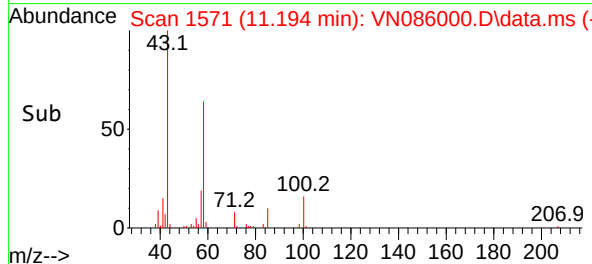
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 3545
Ion Ratio Lower Upper
43 100
58 61.7 32.4 97.2

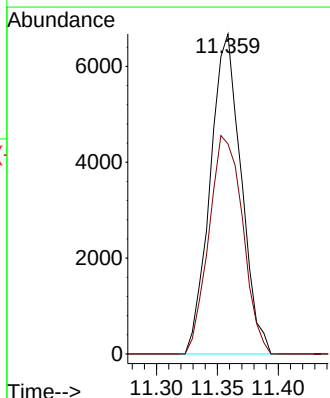
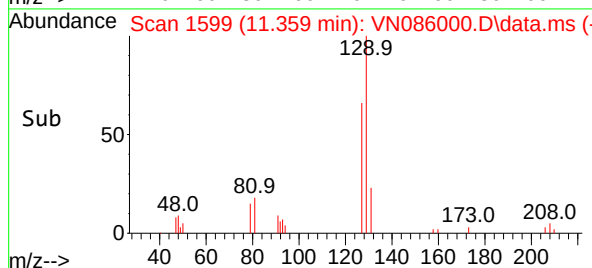
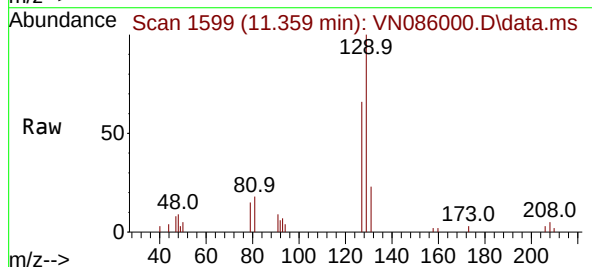
Manual Integrations
APPROVED

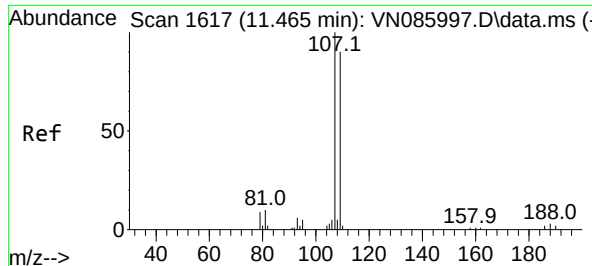
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#60
Dibromochloromethane
Concen: 4.994 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

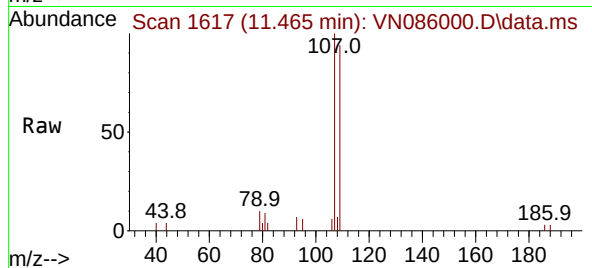
Tgt Ion:129 Resp: 11813
Ion Ratio Lower Upper
129 100
127 74.5 37.8 113.4





#61
1,2-Dibromoethane
Concen: 4.859 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

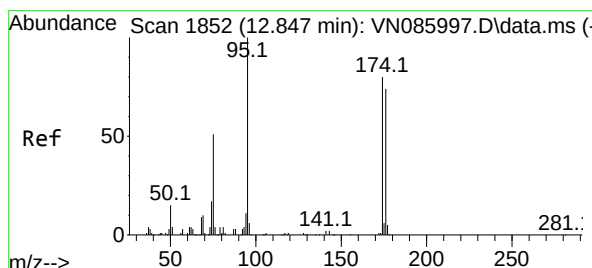
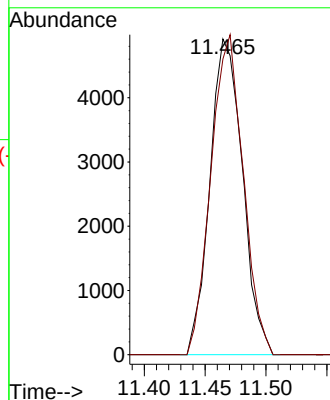
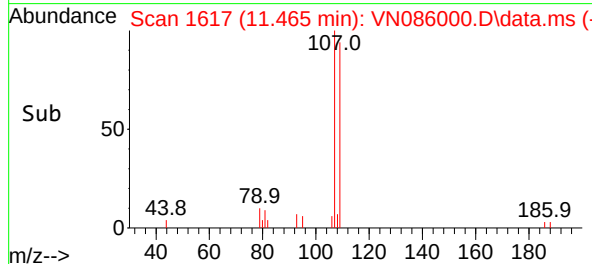
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:107 Resp: 914
Ion Ratio Lower Upper
107 100
109 100.7 73.3 109.9

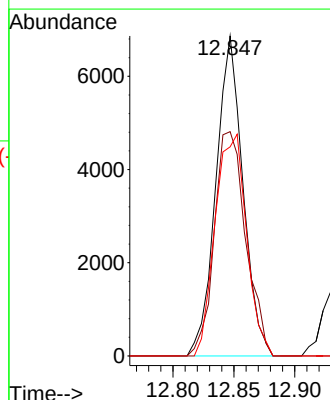
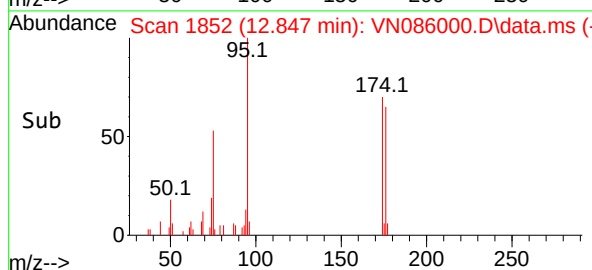
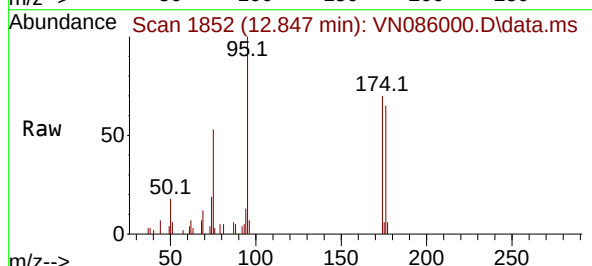
Manual Integrations
APPROVED

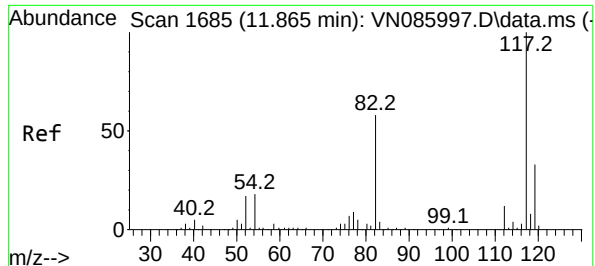
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#62
4-Bromofluorobenzene
Concen: 4.332 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 95 Resp: 10615
Ion Ratio Lower Upper
95 100
174 81.6 0.0 156.8
176 80.4 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 232728

Ion Ratio Lower Upper

117 100

82 58.5 46.7 70.1

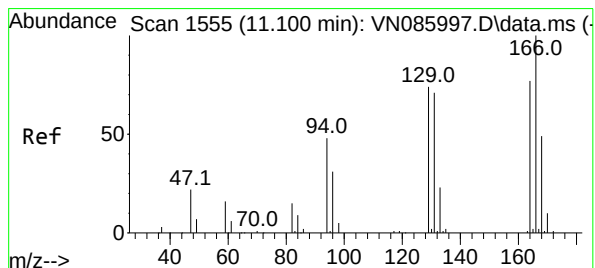
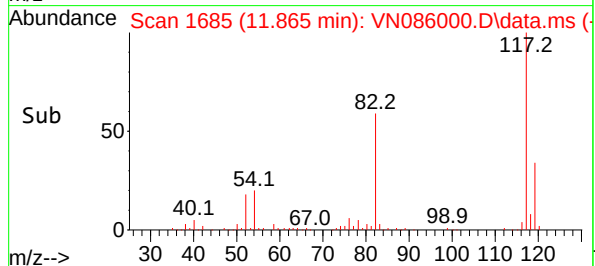
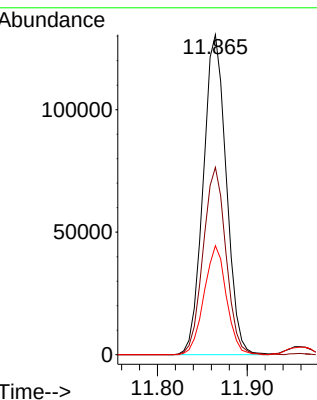
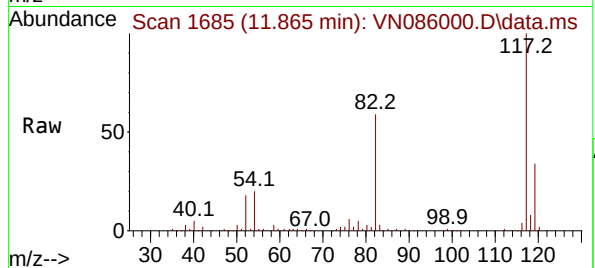
119 34.0 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#64

Tetrachloroethene

Concen: 5.284 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion:164 Resp: 9809

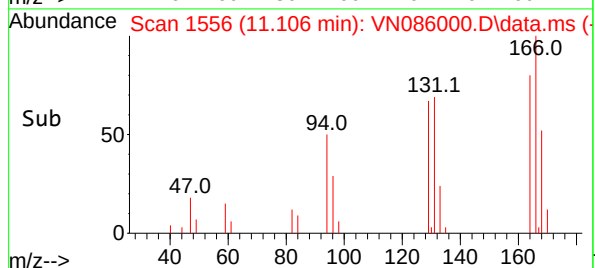
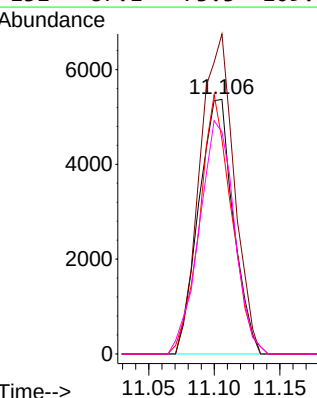
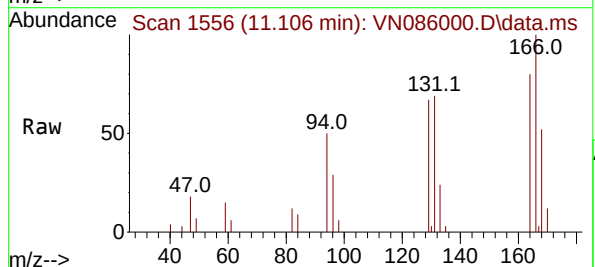
Ion Ratio Lower Upper

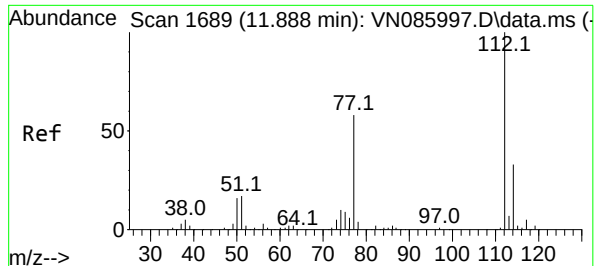
164 100

166 125.7 103.7 155.5

129 84.1 77.1 115.7

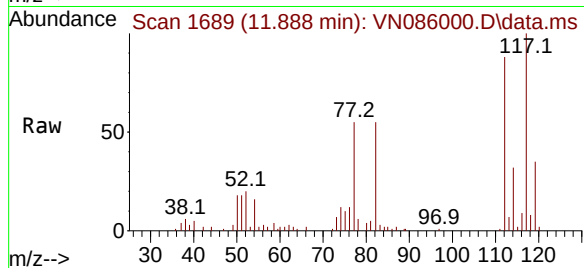
131 87.1 73.3 109.9





#65
Chlorobenzene
Concen: 5.053 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

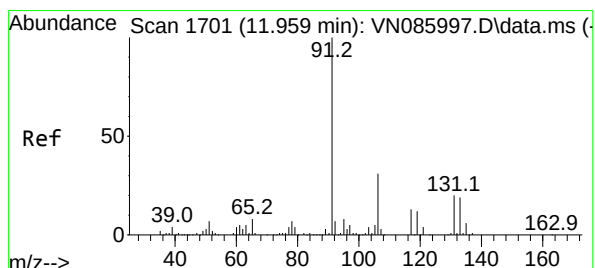
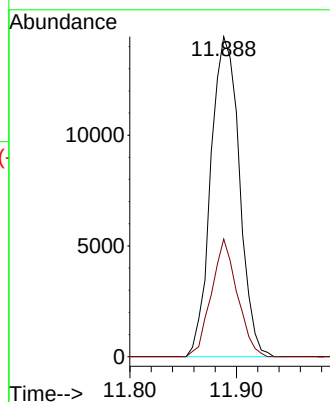
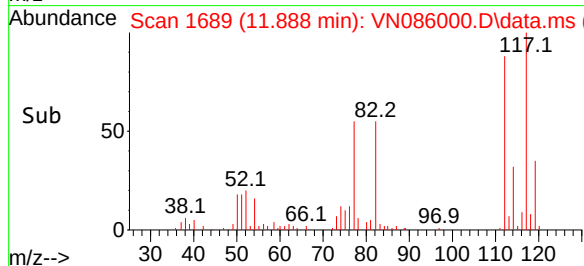
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:112 Resp: 26908
Ion Ratio Lower Upper
112 100
114 36.8 26.3 39.5

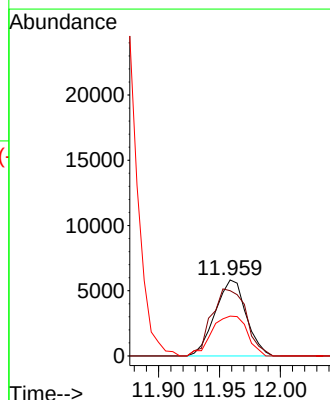
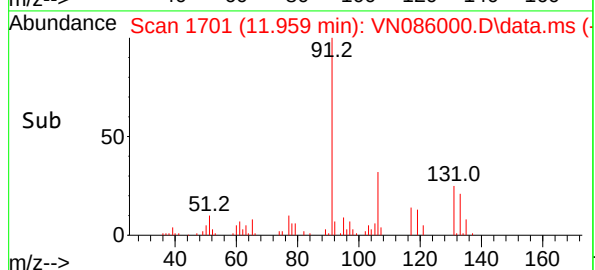
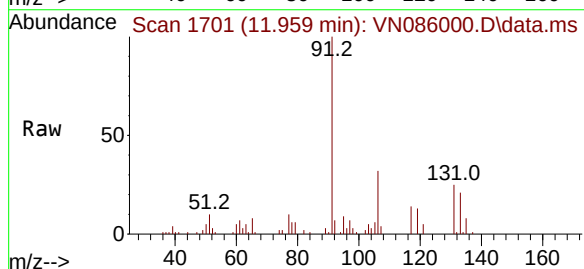
Manual Integrations
APPROVED

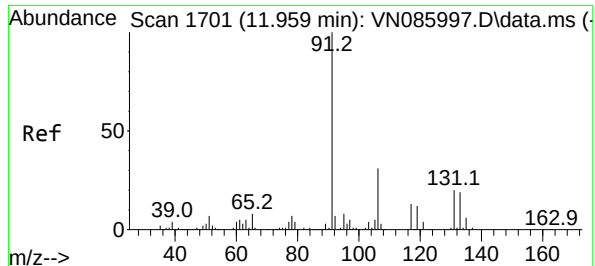
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 5.232 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion:131 Resp: 10358
Ion Ratio Lower Upper
131 100
133 98.3 47.0 141.0
119 59.6 31.4 94.0





#67

Ethyl Benzene

Concen: 4.795 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 4084

Ion Ratio Lower Upper

91 100

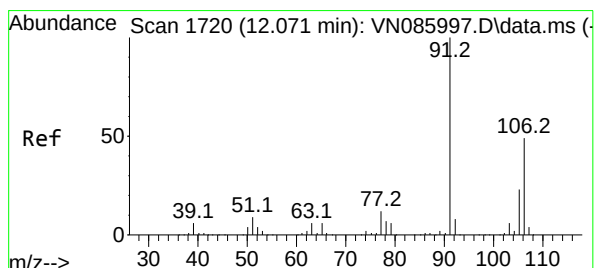
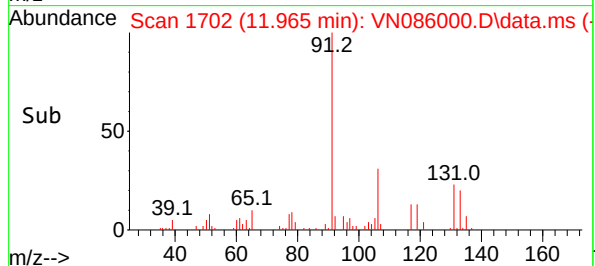
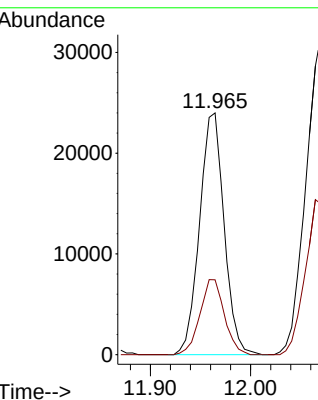
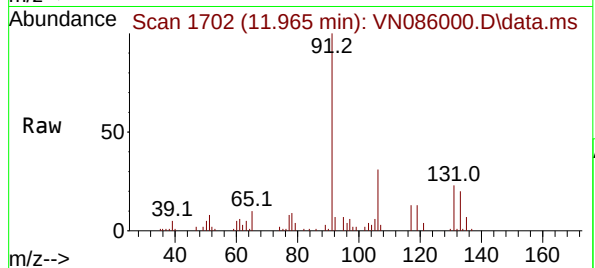
106 31.0 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#68

m/p-Xylenes

Concen: 9.182 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN086000.D

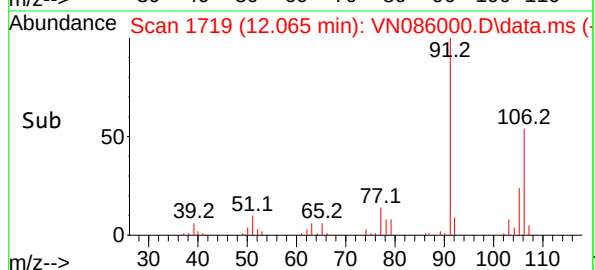
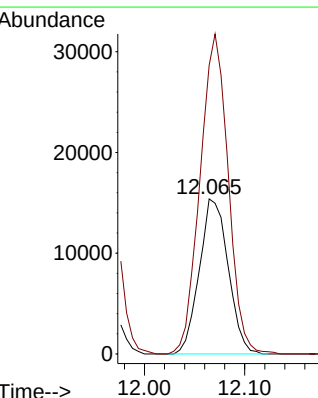
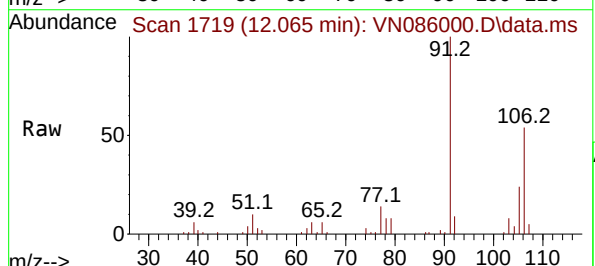
Acq: 18 Mar 2025 13:21

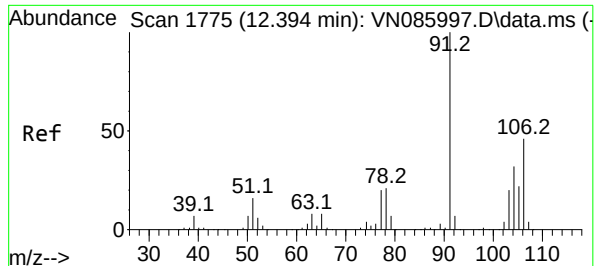
Tgt Ion:106 Resp: 30743

Ion Ratio Lower Upper

106 100

91 201.6 163.9 245.9





#69

o-Xylene

Concen: 4.427 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 13604

Ion Ratio Lower Upper

106 100

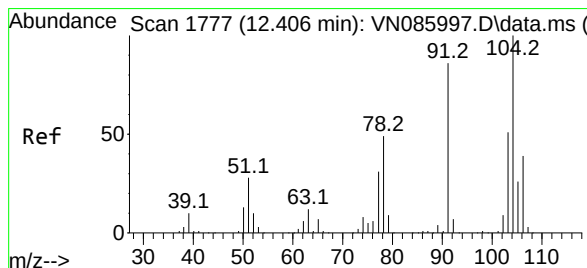
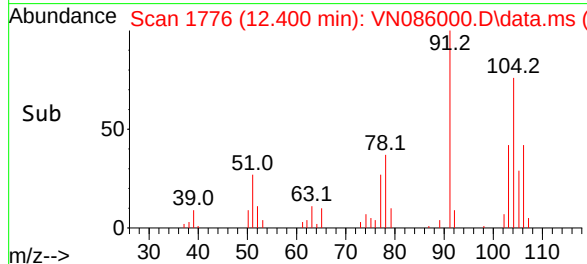
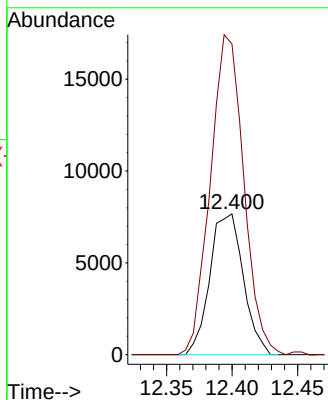
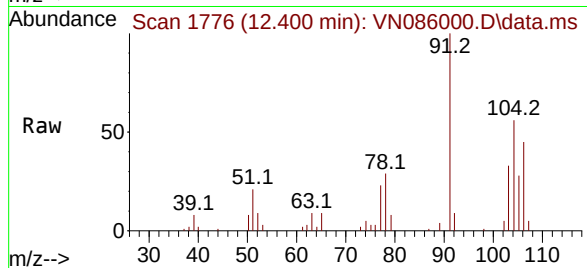
91 227.0 109.1 327.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#70

Styrene

Concen: 4.578 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

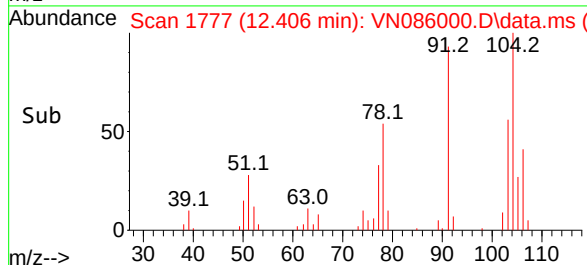
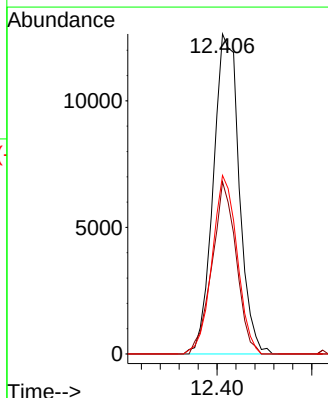
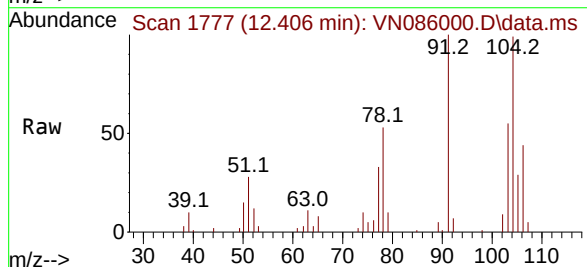
Tgt Ion:104 Resp: 24028

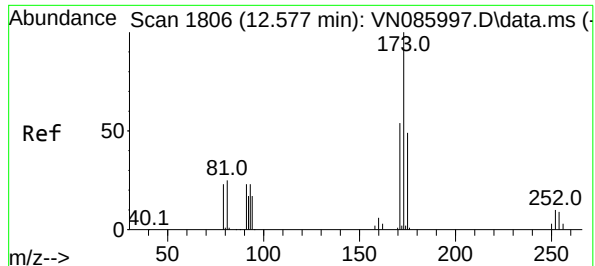
Ion Ratio Lower Upper

104 100

78 50.1 41.4 62.2

103 53.9 42.9 64.3





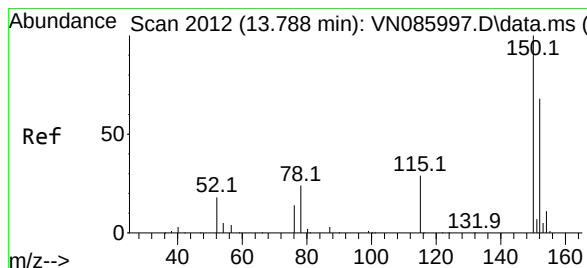
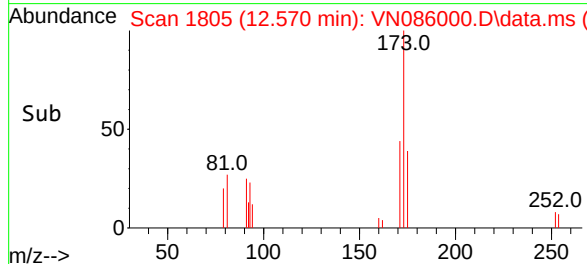
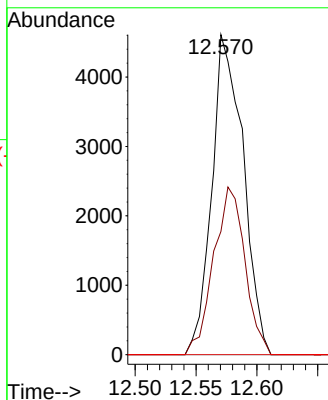
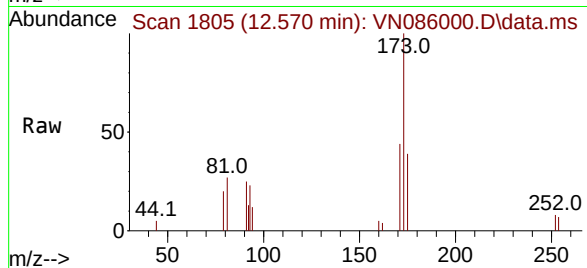
#71
Bromoform
Concen: 4.989 ug/l
RT: 12.570 min Scan# 1805
Delta R.T. -0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion	Ratio	Lower	Upper
173	100		
175	52.4	24.3	73.0
254	0.0	0.0	0.0

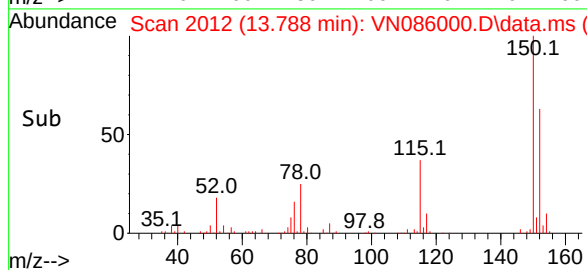
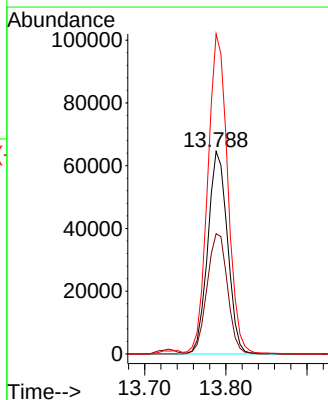
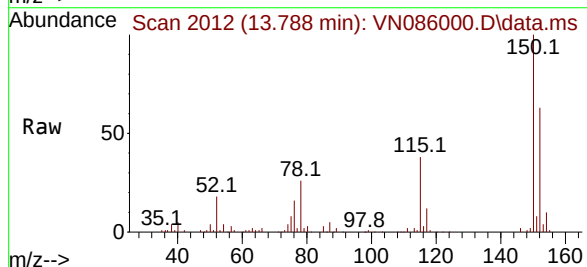
Manual Integrations
APPROVED

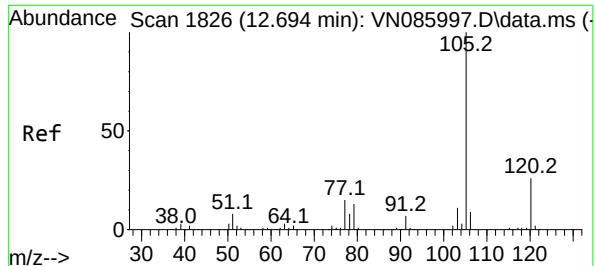
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

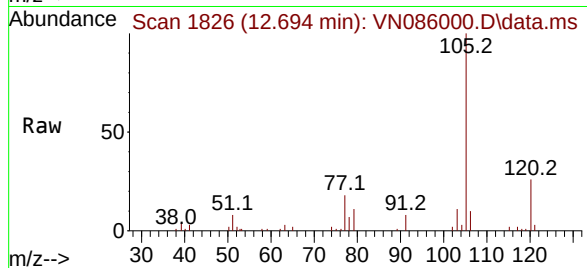
Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.1	93.2
150	160.3	0.0	359.6





#73
Isopropylbenzene
Concen: 4.780 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

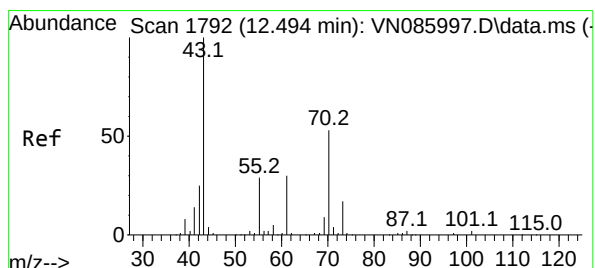
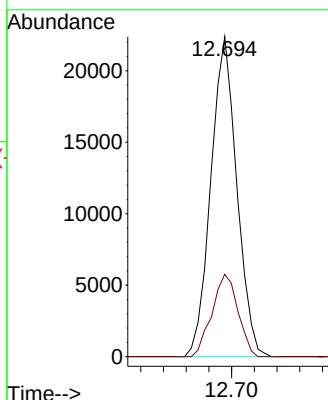
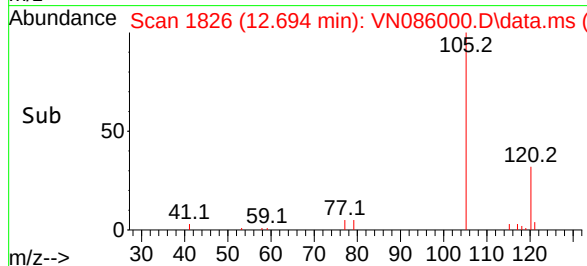
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



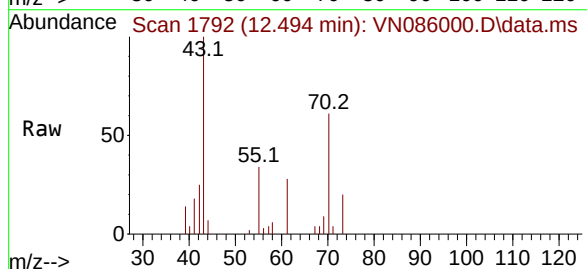
Tgt Ion:105 Resp: 35470
Ion Ratio Lower Upper
105 100
120 25.7 13.0 39.0

Manual Integrations
APPROVED

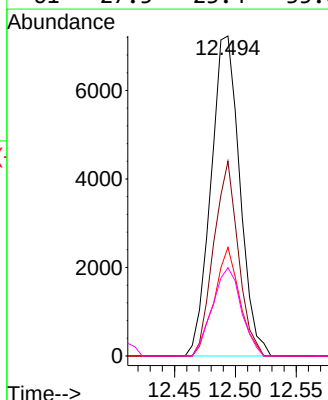
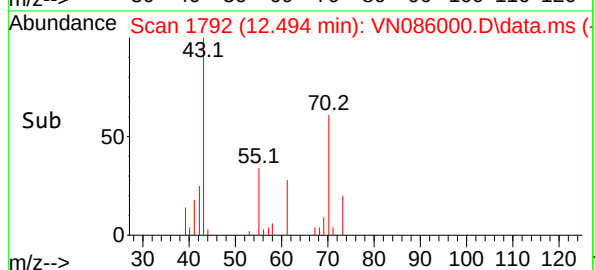
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

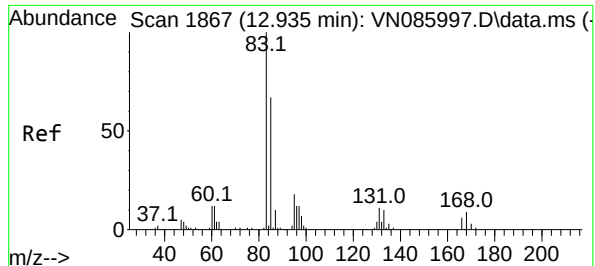


#74
N-ethyl acetate
Concen: 4.806 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21



Tgt Ion: 43 Resp: 11933
Ion Ratio Lower Upper
43 100
70 51.9 43.0 64.4
55 30.0 23.8 35.8
61 27.5 23.4 35.0





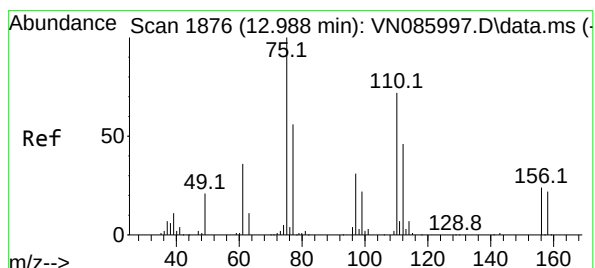
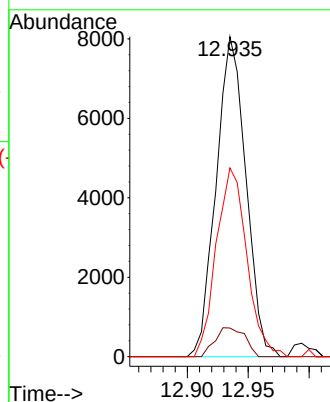
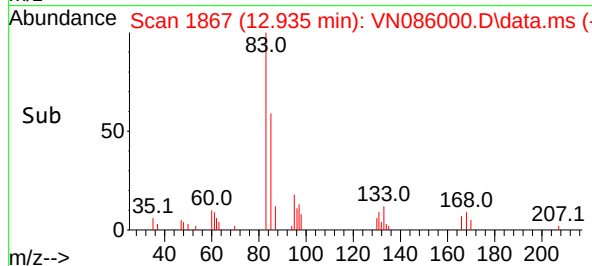
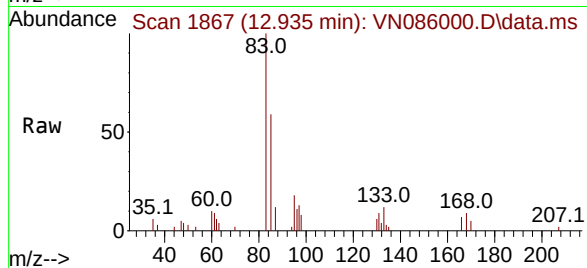
#75
1,1,2,2-Tetrachloroethane
Concen: 5.457 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 13700
Ion Ratio Lower Upper
83 100
131 9.1 5.5 16.5
85 60.4 32.6 97.8

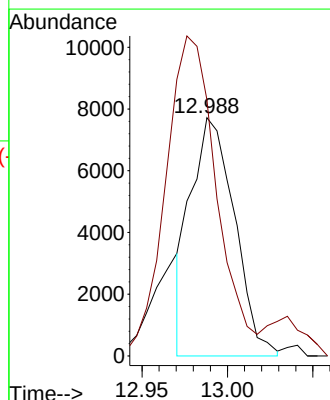
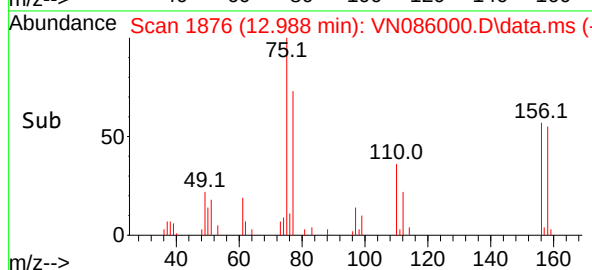
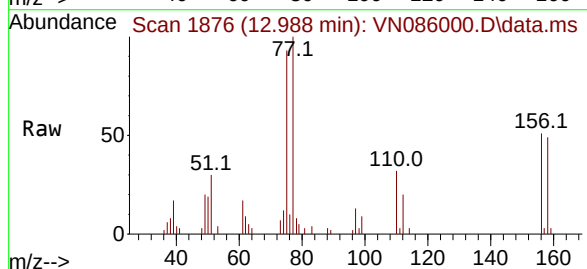
Manual Integrations
APPROVED

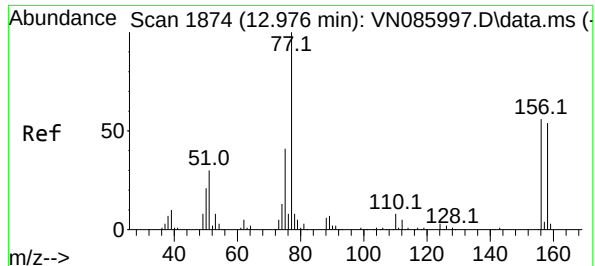
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#76
1,2,3-Trichloropropane
Concen: 5.543 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

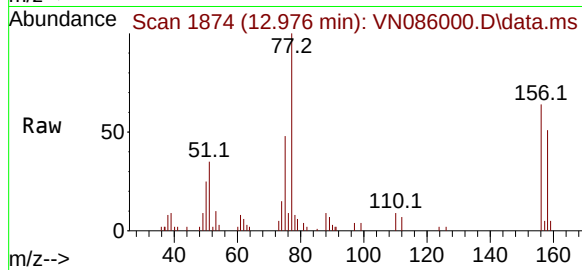
Tgt Ion: 75 Resp: 13734
Ion Ratio Lower Upper
75 100
77 156.4 83.7 251.0





#77
Bromobenzene
Concen: 5.222 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

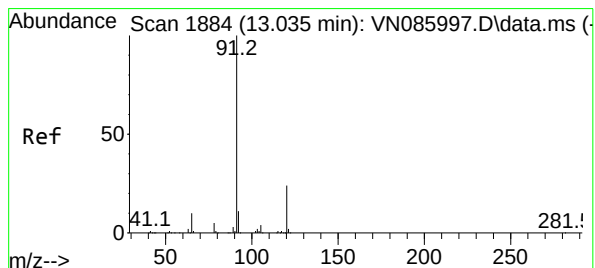
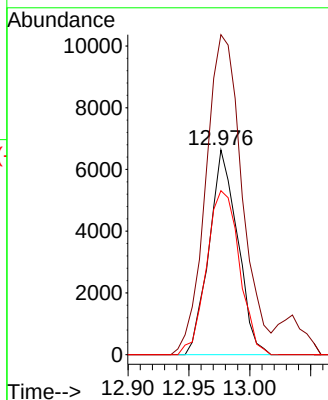
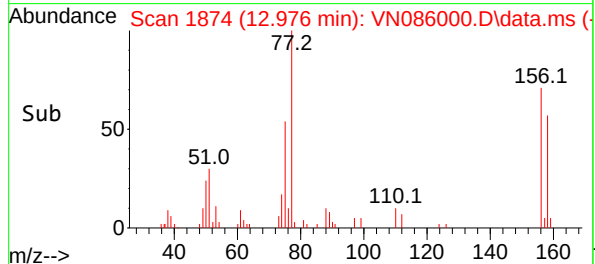
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion:156 Resp: 1080
Ion Ratio Lower Upper
156 100
77 198.8 104.1 312.3
158 92.3 49.0 147.0

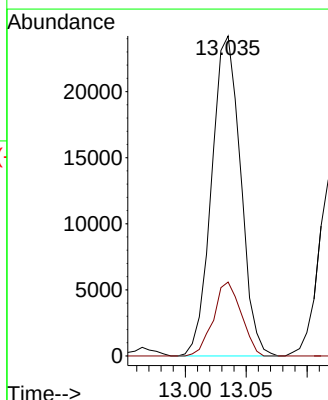
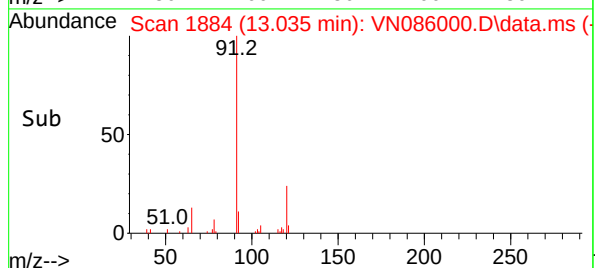
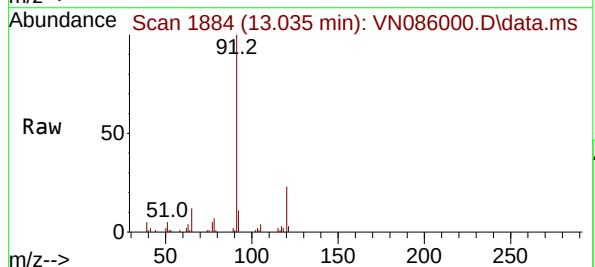
Manual Integrations
APPROVED

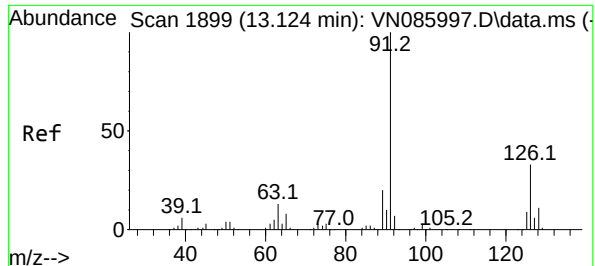
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#78
n-propylbenzene
Concen: 4.766 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 91 Resp: 40052
Ion Ratio Lower Upper
91 100
120 22.1 11.7 35.0





#79

2-Chlorotoluene

Concen: 5.011 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 27970

Ion Ratio Lower Upper

91 100

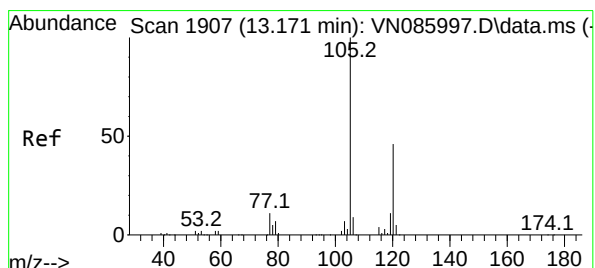
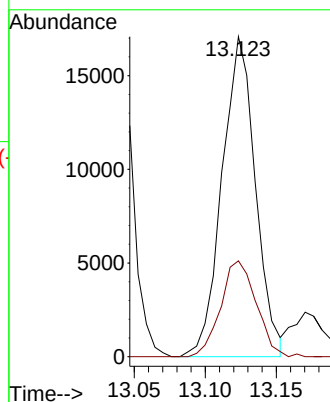
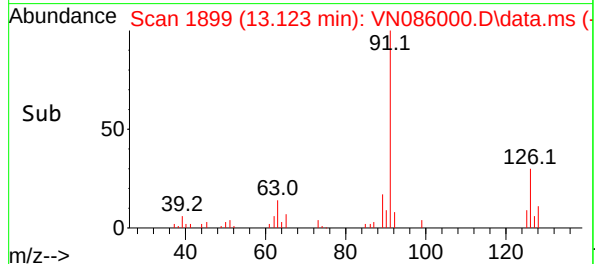
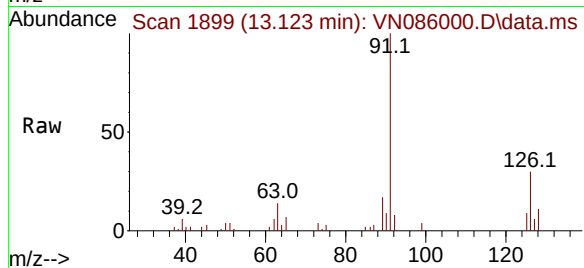
126 31.9 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.576 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086000.D

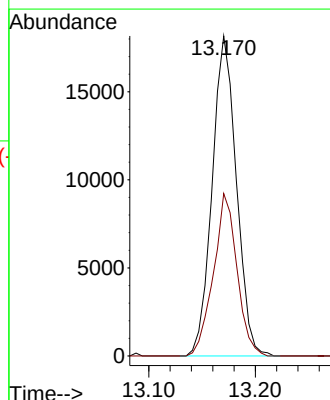
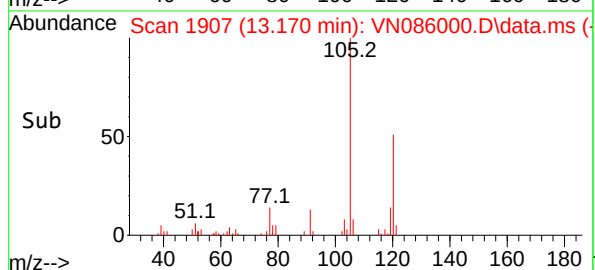
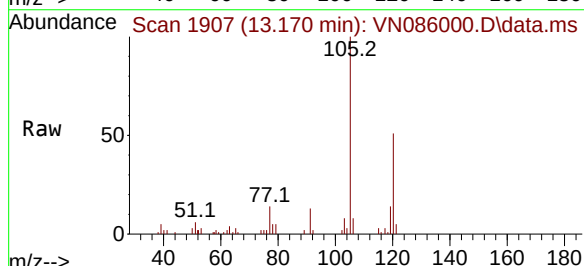
Acq: 18 Mar 2025 13:21

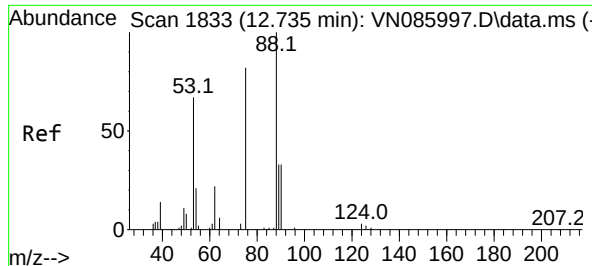
Tgt Ion:105 Resp: 28674

Ion Ratio Lower Upper

105 100

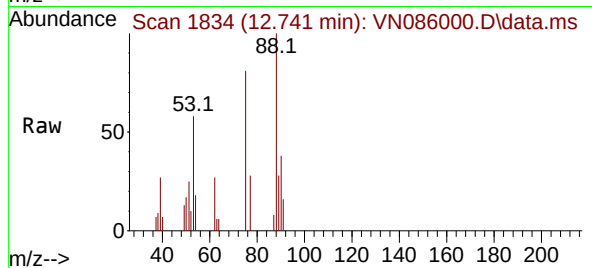
120 49.3 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 4.688 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

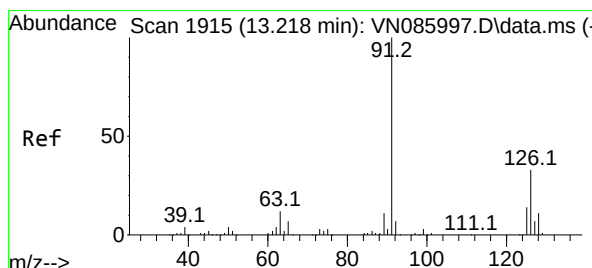
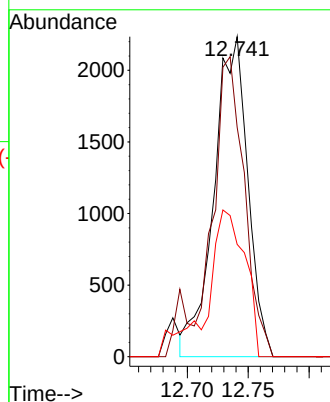
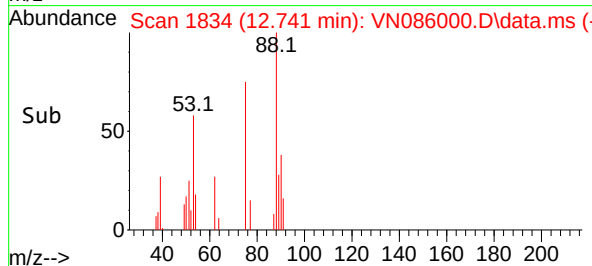
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 4314
Ion Ratio Lower Upper
75 100
53 83.7 66.0 99.0
89 51.6 36.9 55.3

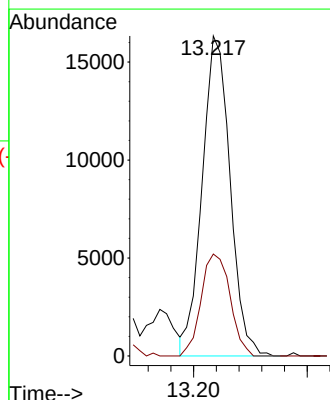
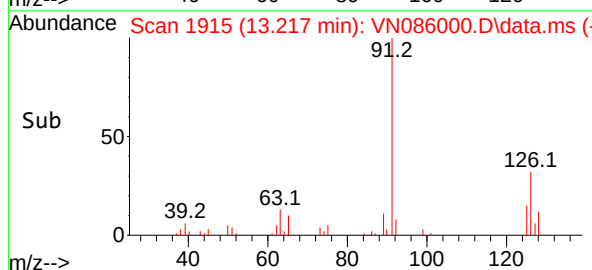
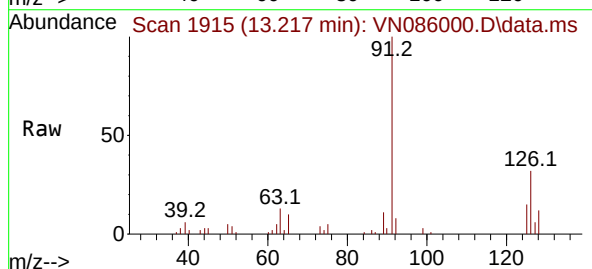
Manual Integrations
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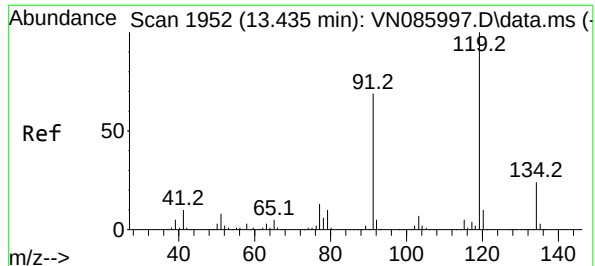
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#82
4-Chlorotoluene
Concen: 4.859 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

Tgt Ion: 91 Resp: 27891
Ion Ratio Lower Upper
91 100
126 33.0 16.1 48.2





#83

tert-Butylbenzene

Concen: 4.621 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:119 Resp: 24760

Ion Ratio Lower Upper

119 100

91 70.6 34.3 102.9

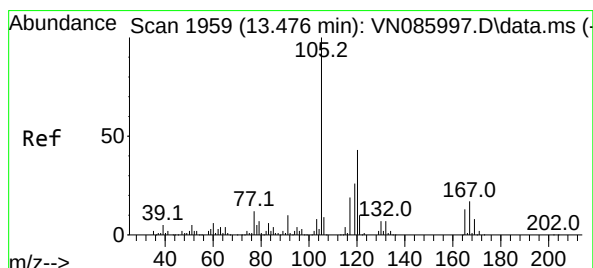
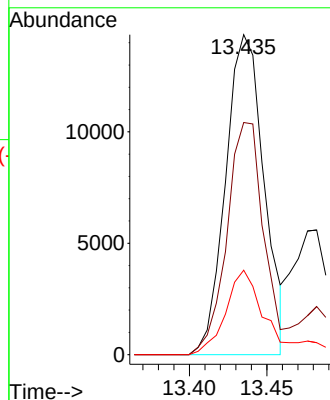
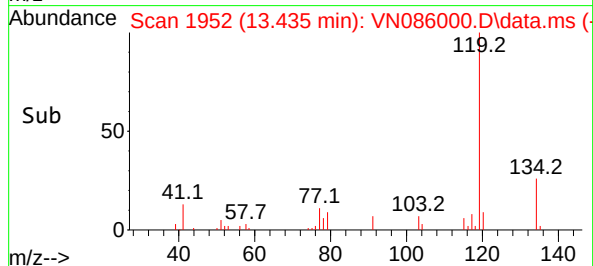
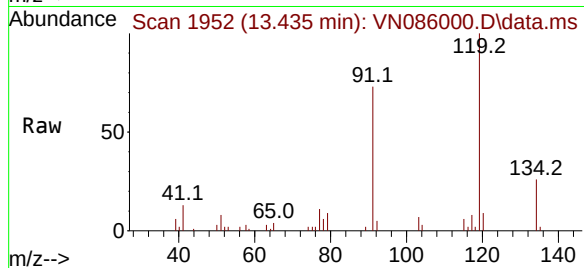
134 26.2 13.5 40.5

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.615 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN086000.D

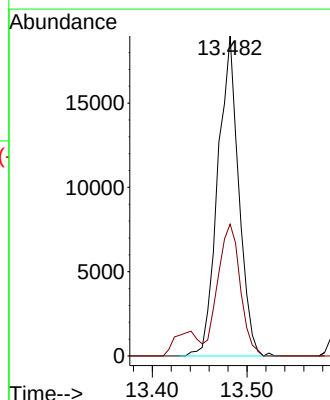
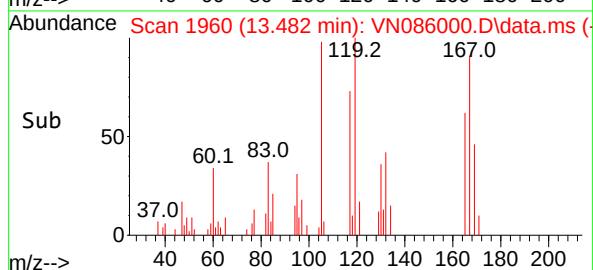
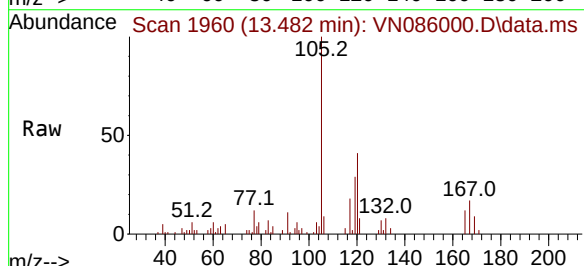
Acq: 18 Mar 2025 13:21

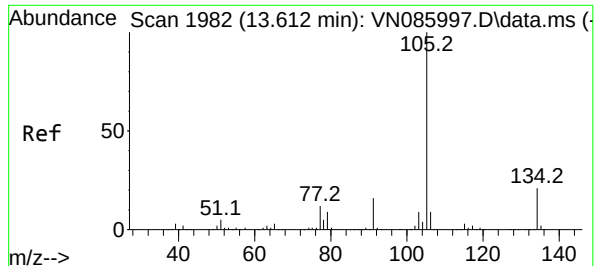
Tgt Ion:105 Resp: 29165

Ion Ratio Lower Upper

105 100

120 44.2 21.9 65.8





#85

sec-Butylbenzene

Concen: 4.677 ug/l

RT: 13.617 min Scan# 1982

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 32694

Ion Ratio Lower Upper

105 100

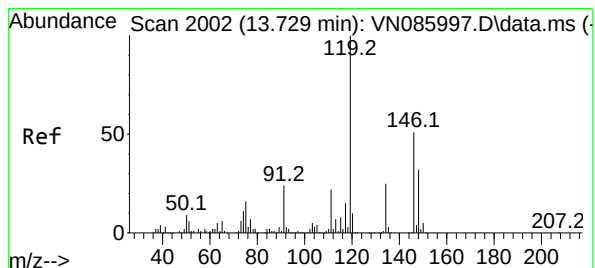
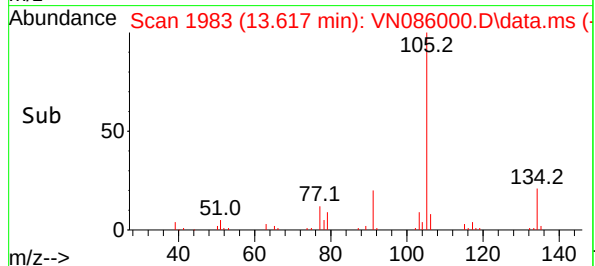
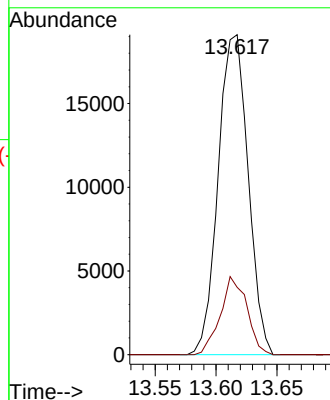
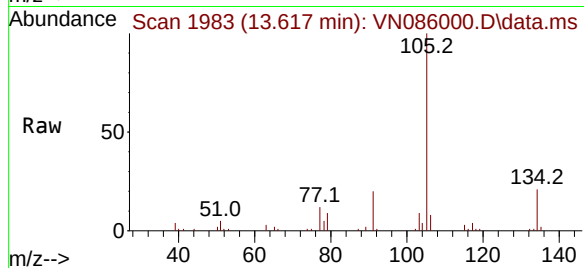
134 21.7 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#86

p-Isopropyltoluene

Concen: 4.425 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

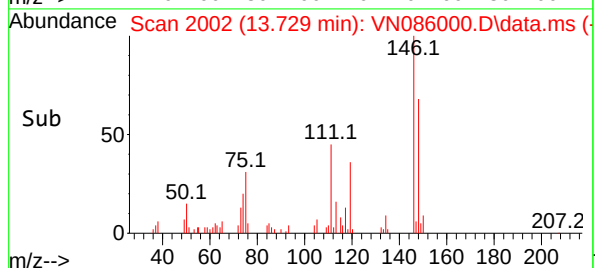
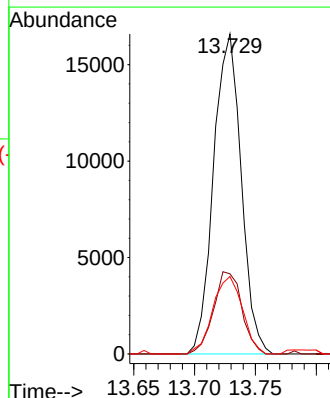
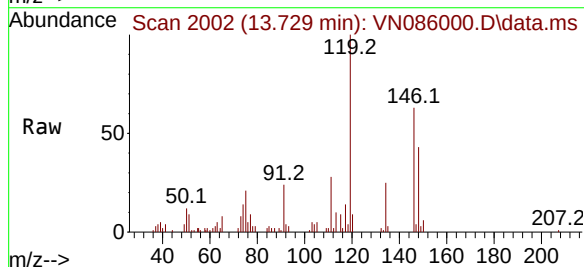
Tgt Ion:119 Resp: 26188

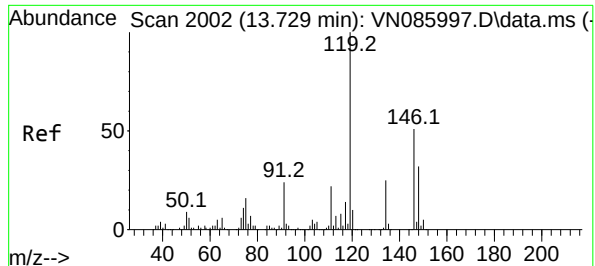
Ion Ratio Lower Upper

119 100

134 26.3 12.6 37.8

91 26.0 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 5.004 ug/l

RT: 13.735 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 1866

Ion Ratio Lower Upper

146 100

111 42.7 21.2 63.6

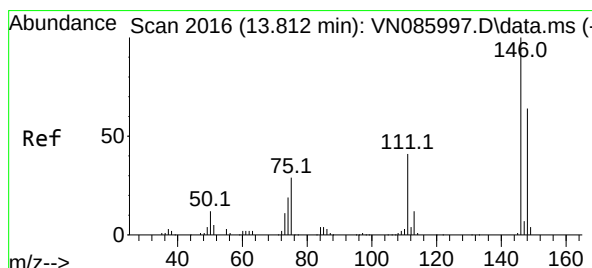
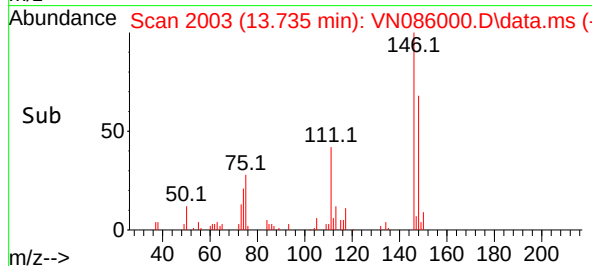
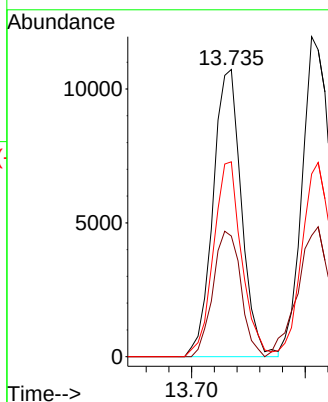
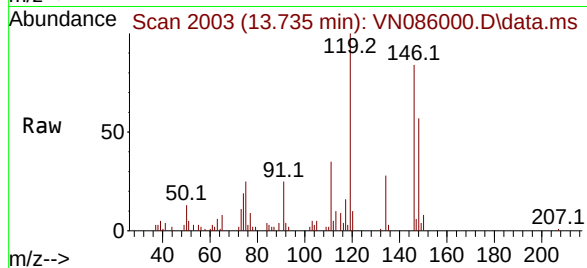
148 67.4 31.8 95.4

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#88

1,4-Dichlorobenzene

Concen: 5.288 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

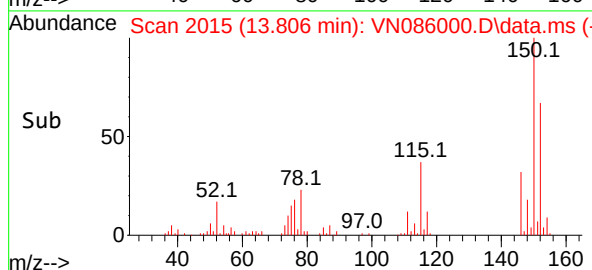
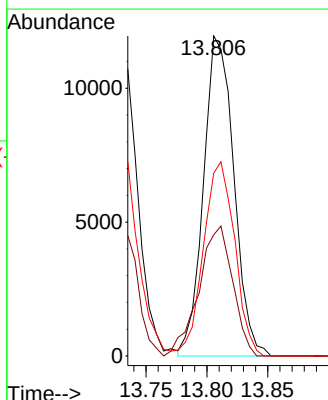
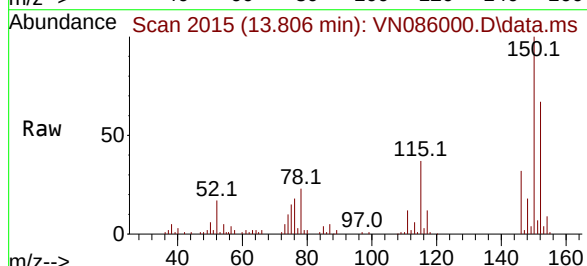
Tgt Ion:146 Resp: 20725

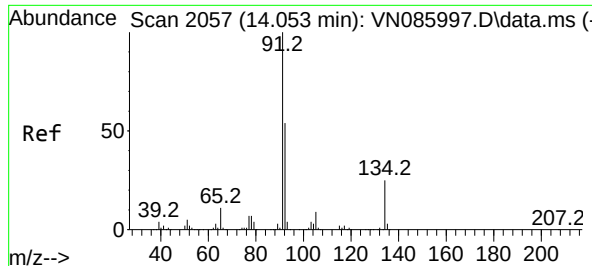
Ion Ratio Lower Upper

146 100

111 45.3 20.4 61.3

148 62.6 32.1 96.5





#89

n-Butylbenzene

Concen: 4.468 ug/l

RT: 14.059 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

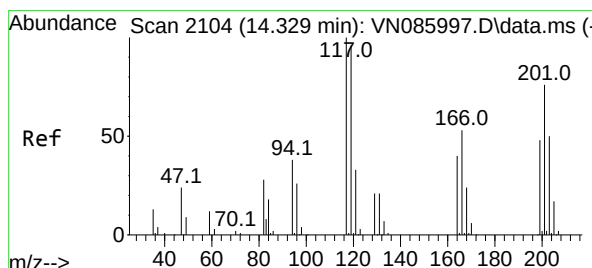
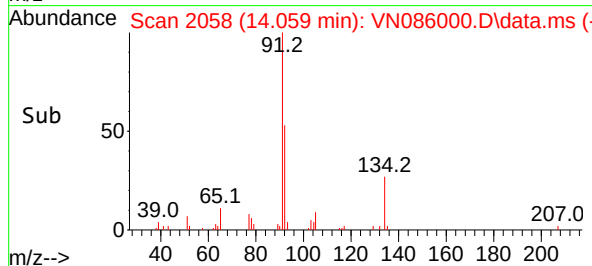
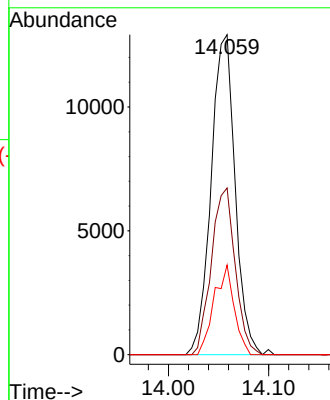
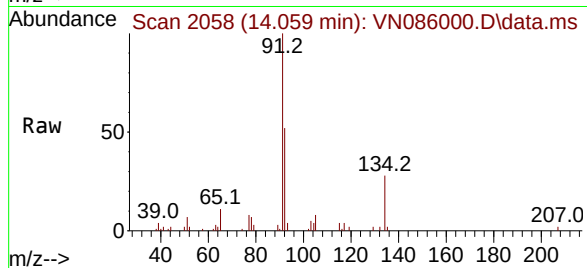
VSTDIC005

Tgt Ion: 91	Resp: 21529
Ion Ratio	Lower Upper
91	100
92	51.7 26.9 80.6
134	23.4 13.0 39.0

Manual Integrations

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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#90

Hexachloroethane

Concen: 5.154 ug/l

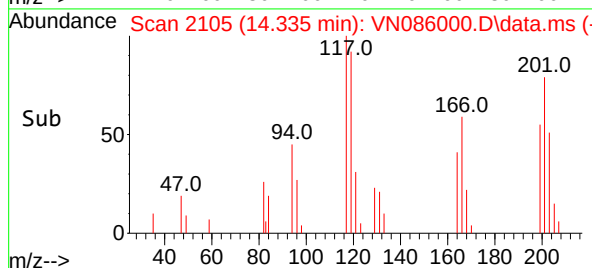
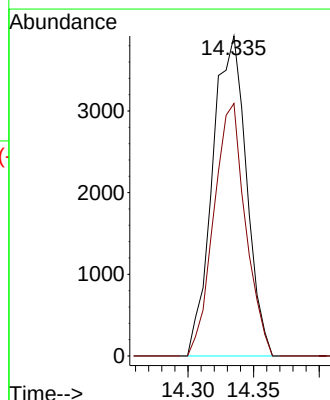
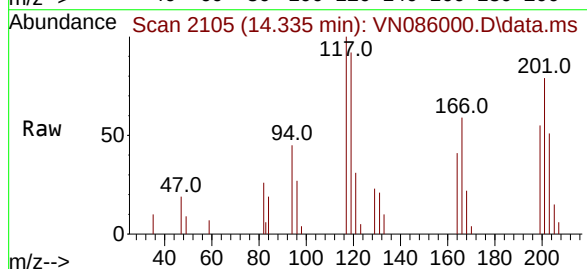
RT: 14.335 min Scan# 2105

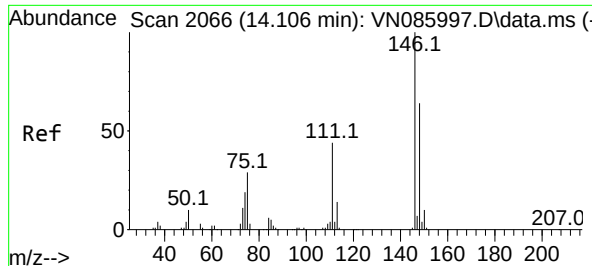
Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Tgt Ion: 117	Resp: 7037
Ion Ratio	Lower Upper
117	100
201	73.8 39.1 117.3





#91

1,2-Dichlorobenzene

Concen: 5.052 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 1873

Ion Ratio Lower Upper

146 100

111 42.1 22.3 66.8

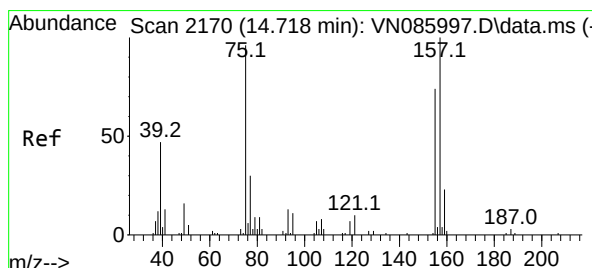
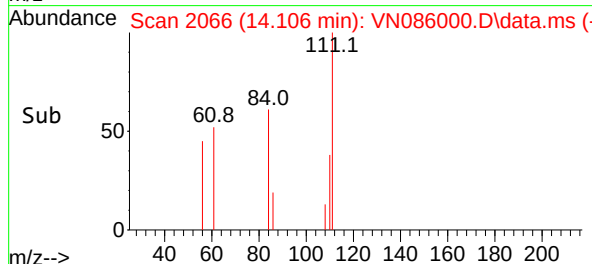
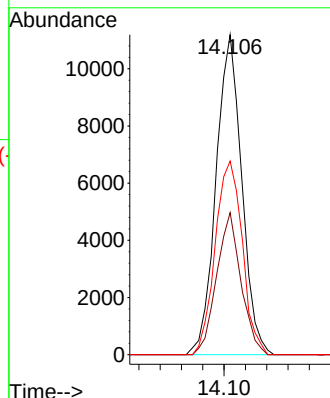
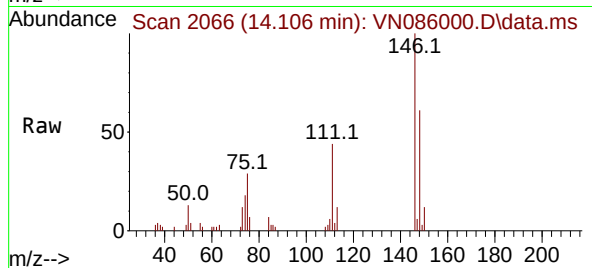
148 63.8 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.415 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

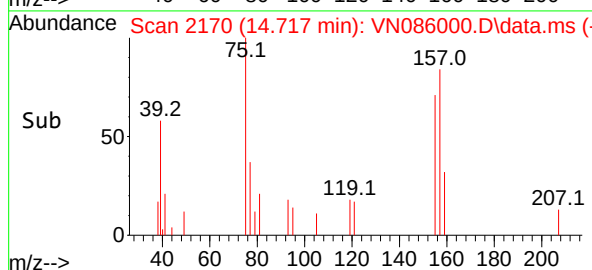
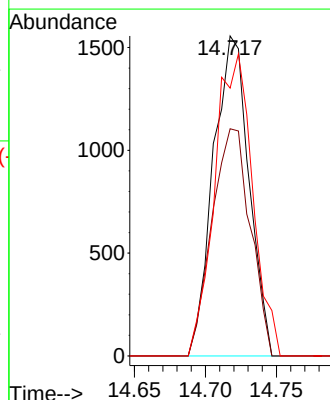
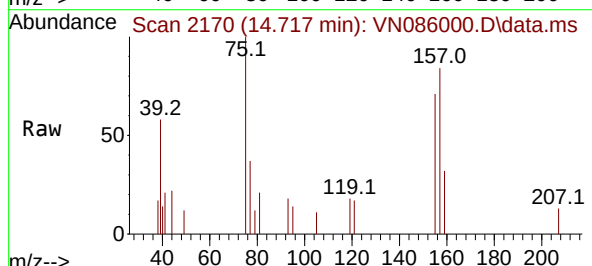
Tgt Ion: 75 Resp: 2714

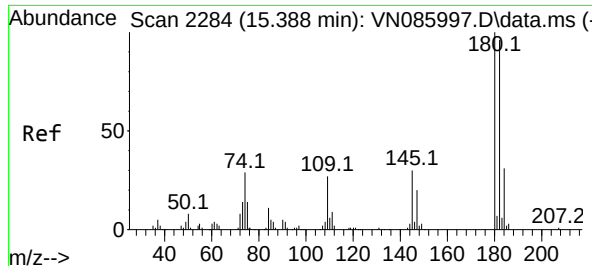
Ion Ratio Lower Upper

75 100

155 76.3 41.0 123.0

157 100.4 53.7 161.1





#93

1,2,4-Trichlorobenzene

Concen: 4.962 ug/l

RT: 15.394 min Scan# 2284

Delta R.T. 0.006 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

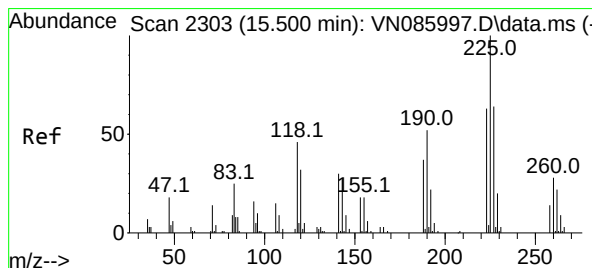
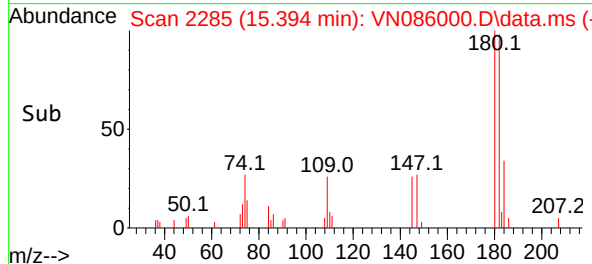
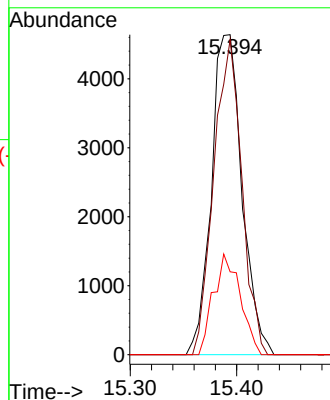
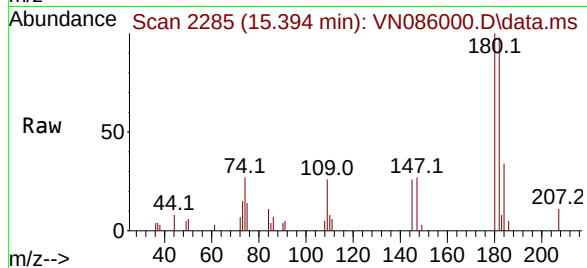
VSTDIC005

Tgt Ion:180	Resp:	925
Ion Ratio	Lower	Upper
180	100	
182	89.9	47.0 141.0
145	27.5	15.5 46.5

Manual Integrations

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Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#94

Hexachlorobutadiene

Concen: 5.240 ug/l

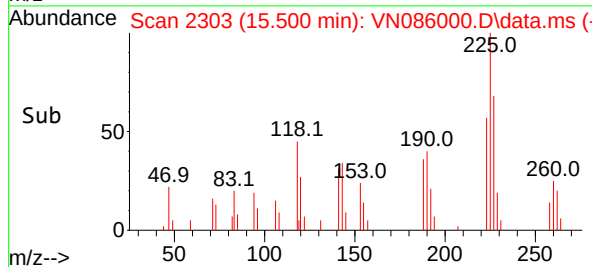
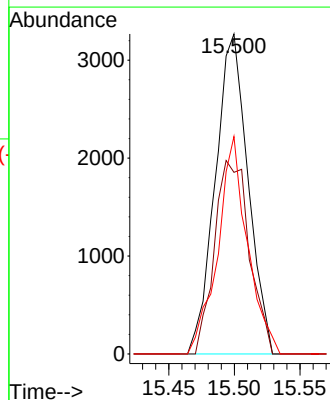
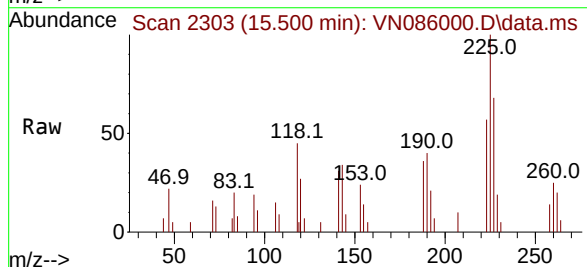
RT: 15.500 min Scan# 2303

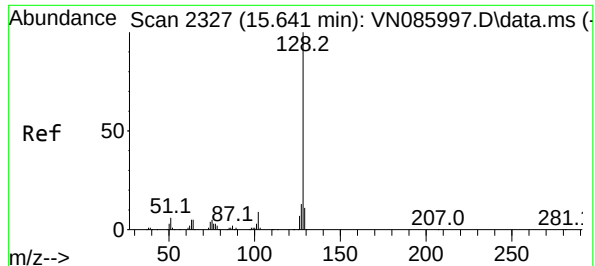
Delta R.T. -0.000 min

Lab File: VN086000.D

Acq: 18 Mar 2025 13:21

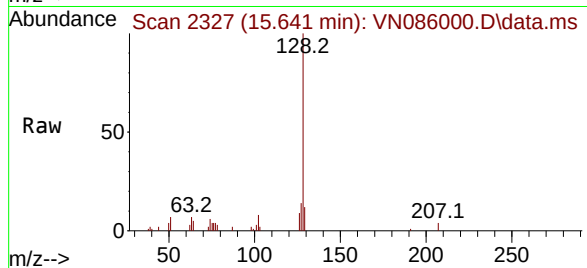
Tgt Ion:225	Resp:	5668
Ion Ratio	Lower	Upper
225	100	
223	64.4	31.3 93.9
227	61.7	32.1 96.3





#95
Naphthalene
Concen: 4.450 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21

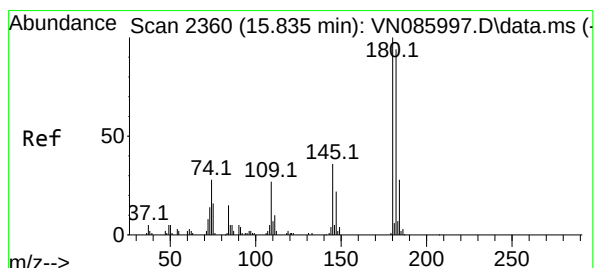
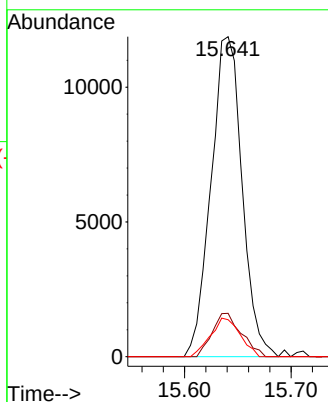
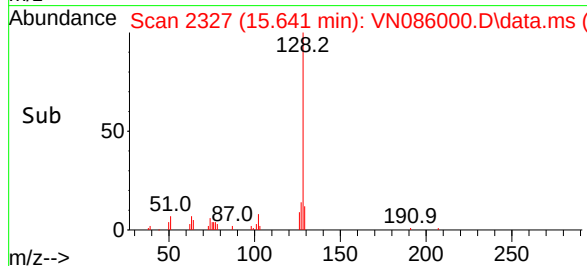
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



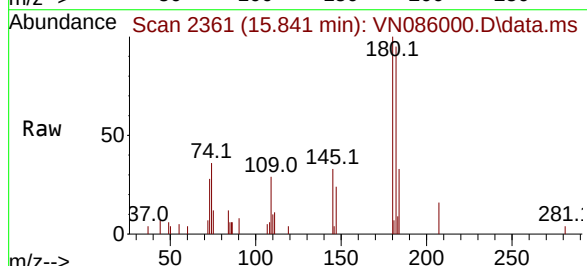
Tgt Ion:128 Resp: 2402
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.5 9.0 13.6

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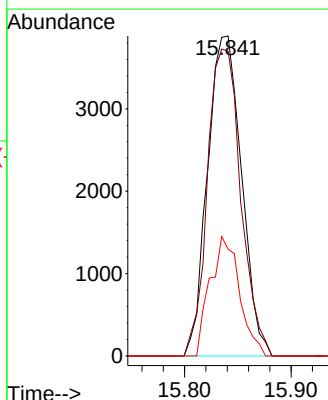
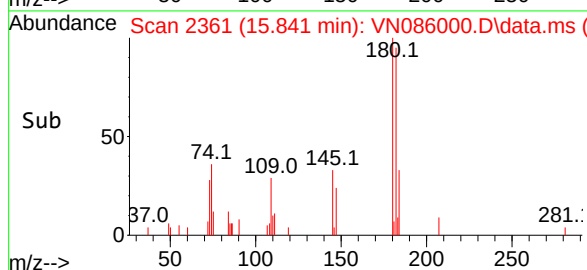
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.858 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086000.D
Acq: 18 Mar 2025 13:21



Tgt Ion:180 Resp: 8594
Ion Ratio Lower Upper
180 100
182 94.2 47.5 142.5
145 32.3 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086001.D
 Acq On : 18 Mar 2025 14:09
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
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Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:57:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	145853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	206893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	83272	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	74 - 125	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	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	1979	1.024	ug/l	86
3) Chloromethane	2.359	50	1992	1.176	ug/l	99
4) Vinyl Chloride	2.512	62	1726	0.996	ug/l #	74
6) Chloroethane	3.124	64	1302	1.192	ug/l	90
7) Trichlorofluoromethane	3.500	101	3696	1.187	ug/l	86
8) Diethyl Ether	3.959	74	980	1.028	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.365	101	1923m	1.162	ug/l	
12) 1,1-Dichloroethene	4.347	96	1210	0.810	ug/l #	69
14) Allyl chloride	5.024	41	1936	1.039	ug/l #	85
15) Acrylonitrile	5.724	53	3682	4.930	ug/l #	68
16) Acetone	4.436	43	3256	5.336	ug/l	99
17) Carbon Disulfide	4.706	76	6146	1.251	ug/l #	94
18) Methyl Acetate	5.024	43	1947	1.290	ug/l #	77
19) Methyl tert-butyl Ether	5.794	73	4880	0.997	ug/l #	91
20) Methylene Chloride	5.271	84	2132	1.194	ug/l #	80
21) trans-1,2-Dichloroethene	5.794	96	1725	1.056	ug/l #	76
22) Diisopropyl ether	6.677	45	3402m	0.856	ug/l	
23) Vinyl Acetate	6.606	43	12634	4.195	ug/l	98
24) 1,1-Dichloroethane	6.577	63	3295m	1.128	ug/l	
25) 2-Butanone	7.482	43	4310	4.895	ug/l	95
26) 2,2-Dichloropropane	7.482	77	2930	1.042	ug/l #	68
27) cis-1,2-Dichloroethene	7.488	96	1845	0.994	ug/l	90
28) Bromochloromethane	7.812	49	1520	1.228	ug/l #	98
29) Tetrahydrofuran	7.841	42	2219	4.082	ug/l #	81
30) Chloroform	7.959	83	3631	1.125	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	3278	1.072	ug/l #	42
36) 1,1-Dichloropropene	8.376	75	2281	0.994	ug/l	97
37) Ethyl Acetate	7.559	43	1939m	1.002	ug/l	
38) Carbon Tetrachloride	8.365	117	3114	1.032	ug/l #	95
39) Methylcyclohexane	9.594	83	2186	0.960	ug/l	92
40) Benzene	8.606	78	7317	1.016	ug/l	96
41) Methacrylonitrile	7.777	41	657	0.711	ug/l #	72
42) 1,2-Dichloroethane	8.671	62	2601	1.036	ug/l	80
43) Isopropyl Acetate	8.694	43	5607	1.334	ug/l #	75
44) Trichloroethene	9.347	130	2173	1.164	ug/l	74
45) 1,2-Dichloropropane	9.623	63	1541	0.941	ug/l #	83

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086001.D
 Acq On : 18 Mar 2025 14:09
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:57:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

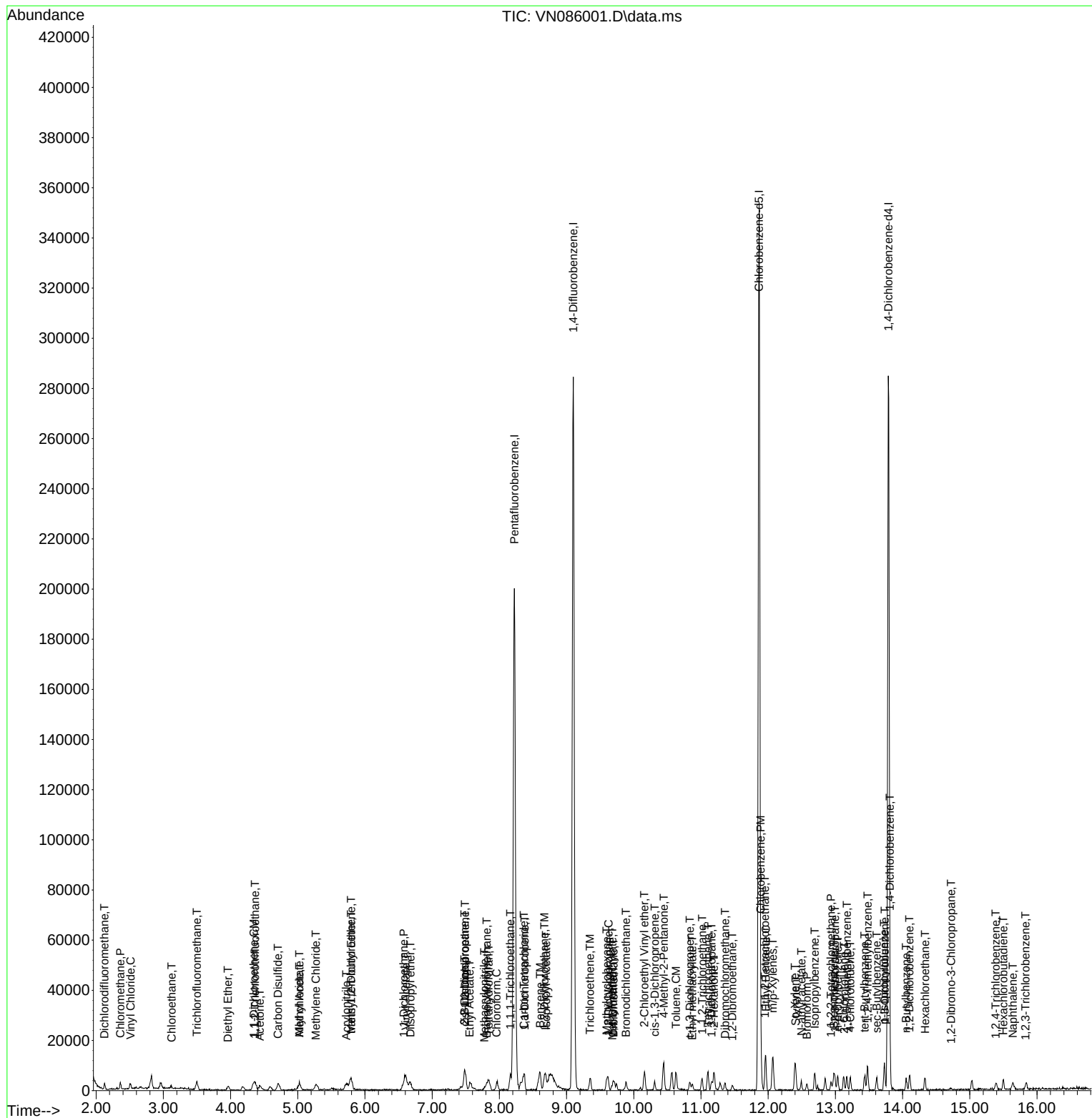
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.700	93	1370	1.064	ug/l	90
47) Bromodichloromethane	9.882	83	2680	0.995	ug/l #	82
48) Methyl methacrylate	9.682	41	1275	0.921	ug/l #	77
49) 1,4-Dioxane	9.688	88	458	13.999	ug/l #	47
51) 4-Methyl-2-Pentanone	10.447	43	7154	3.868	ug/l	94
52) Toluene	10.629	92	3631	0.821	ug/l	95
53) t-1,3-Dichloropropene	10.835	75	2225	0.851	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	2318	0.840	ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	1670	0.990	ug/l #	86
56) Ethyl methacrylate	10.870	69	1488	0.886	ug/l	90
57) 1,3-Dichloropropane	11.159	76	2752	0.960	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	3357	7.514	ug/l	99
59) 2-Hexanone	11.194	43	5032	3.734	ug/l	87
60) Dibromochloromethane	11.359	129	2077	0.954	ug/l	92
61) 1,2-Dibromoethane	11.465	107	1624	0.938	ug/l	94
64) Tetrachloroethene	11.106	164	1792	1.086	ug/l	92
65) Chlorobenzene	11.888	112	5000	1.056	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.953	131	1843	1.047	ug/l #	66
67) Ethyl Benzene	11.964	91	6561	0.866	ug/l	99
68) m/p-Xylenes	12.070	106	5319	1.787	ug/l	82
69) o-Xylene	12.400	106	2200	0.805	ug/l	92
70) Styrene	12.412	104	3823	0.819	ug/l	87
71) Bromoform	12.576	173	1536	1.044	ug/l #	91
73) Isopropylbenzene	12.694	105	5061	0.890	ug/l	97
74) N-amyl acetate	12.494	43	1639	0.861	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	2184	1.135	ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	1541m	0.812	ug/l	
77) Bromobenzene	12.976	156	1666	1.051	ug/l	98
78) n-propylbenzene	13.035	91	5242	0.814	ug/l	98
79) 2-Chlorotoluene	13.129	91	3888	0.909	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	3984	0.830	ug/l	97
82) 4-Chlorotoluene	13.223	91	4068	0.925	ug/l	100
83) tert-Butylbenzene	13.435	119	3963	0.965	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	3881	0.801	ug/l	97
85) sec-Butylbenzene	13.617	105	4035	0.753	ug/l	99
86) p-Isopropyltoluene	13.723	119	3477	0.767	ug/l	93
87) 1,3-Dichlorobenzene	13.735	146	2812	0.984	ug/l	92
88) 1,4-Dichlorobenzene	13.811	146	3403m	1.133	ug/l	
89) n-Butylbenzene	14.053	91	3124	0.846	ug/l	93
90) Hexachloroethane	14.335	117	1276	1.220	ug/l	76
91) 1,2-Dichlorobenzene	14.100	146	3337	1.174	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	319	0.831	ug/l #	20
93) 1,2,4-Trichlorobenzene	15.388	180	1497	1.048	ug/l	94
94) Hexachlorobutadiene	15.500	225	965	1.164	ug/l	80
95) Naphthalene	15.641	128	4162	1.006	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.829	180	1329	0.980	ug/l #	86

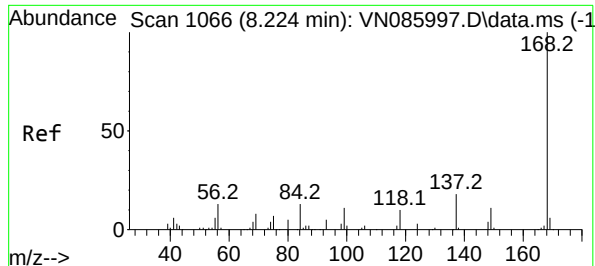
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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations

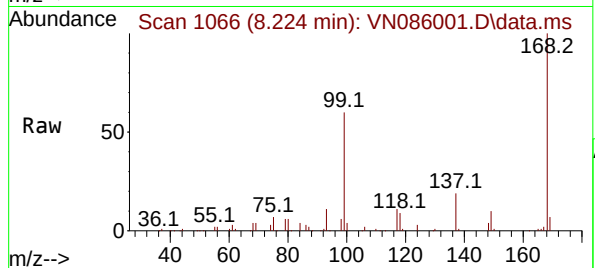
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

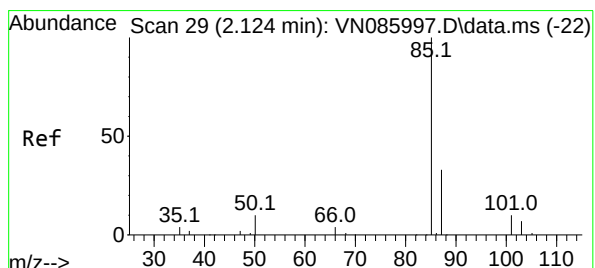
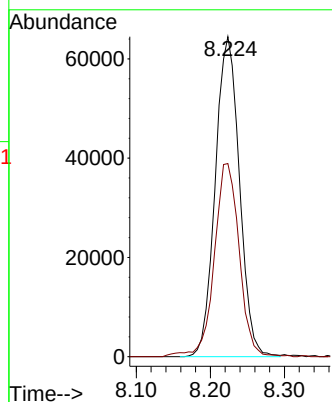
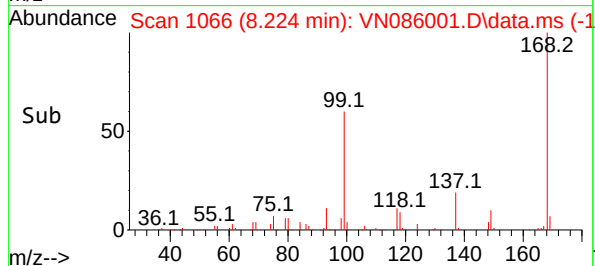
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion:168 Resp: 14585
Ion Ratio Lower Upper
168 100
99 60.0 49.4 74.2

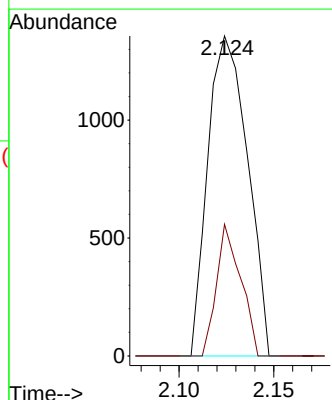
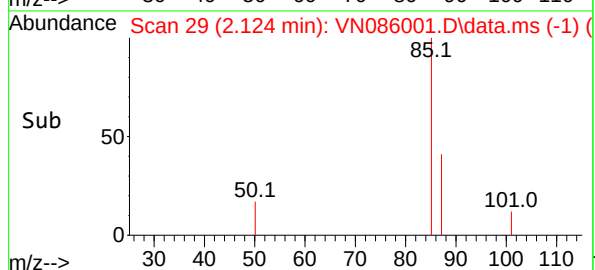
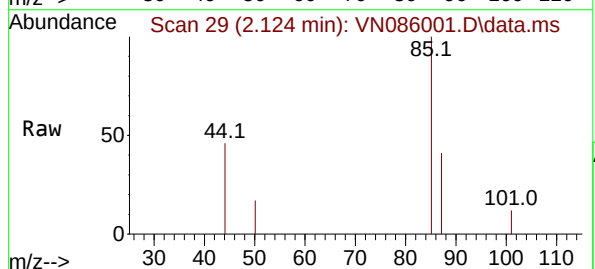
Manual Integrations
APPROVED

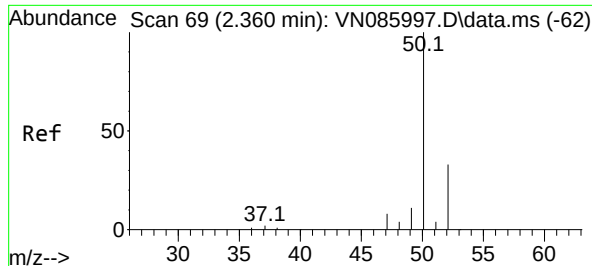
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 1.024 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 85 Resp: 1979
Ion Ratio Lower Upper
85 100
87 41.1 16.5 49.5





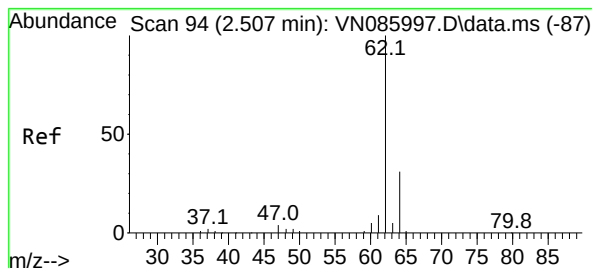
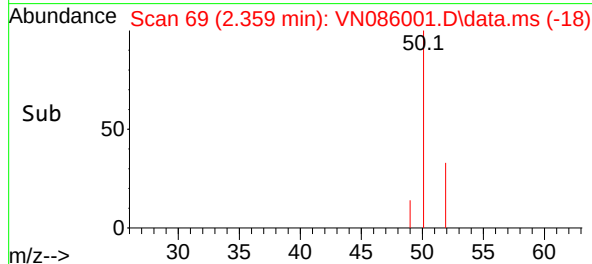
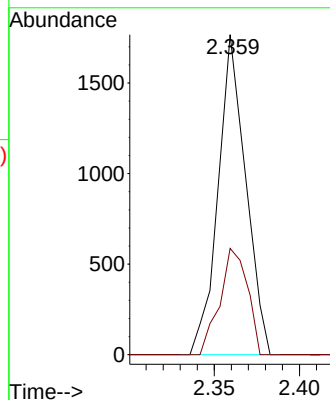
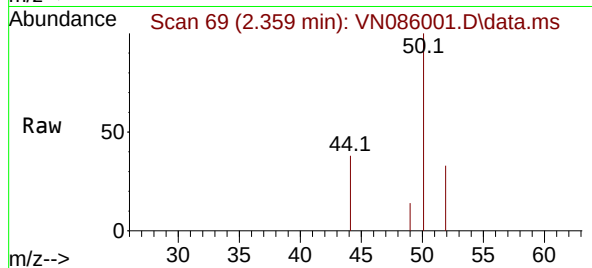
#3
Chloromethane
Concen: 1.176 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1992
Ion Ratio Lower Upper
50 100
52 33.2 26.0 39.0

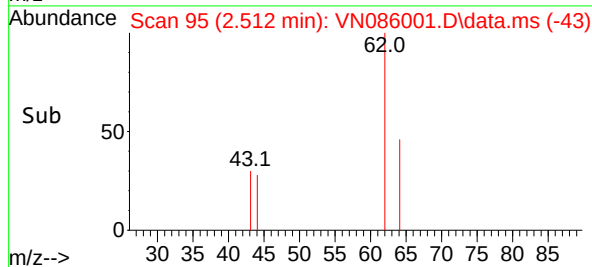
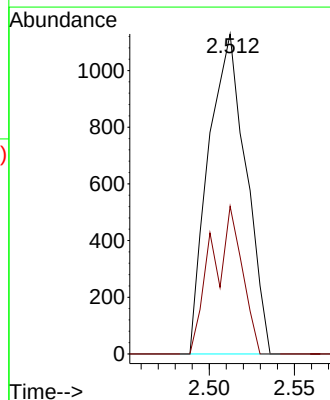
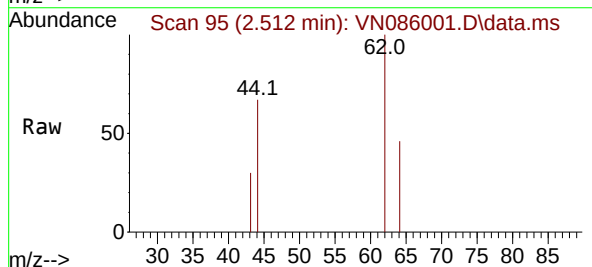
Manual Integrations
APPROVED

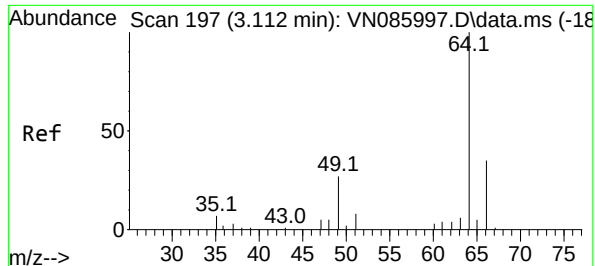
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 0.996 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

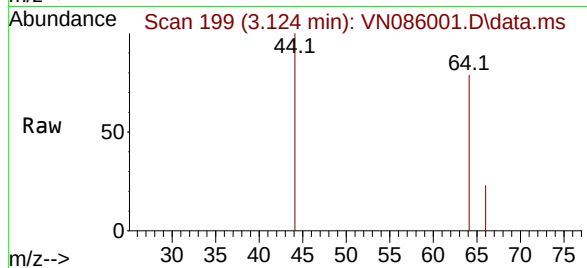
Tgt Ion: 62 Resp: 1726
Ion Ratio Lower Upper
62 100
64 46.1 25.2 37.8#





#6
Chloroethane
Concen: 1.192 ug/l
RT: 3.124 min Scan# 197
Delta R.T. 0.011 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

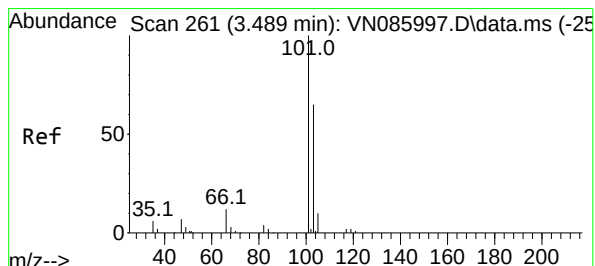
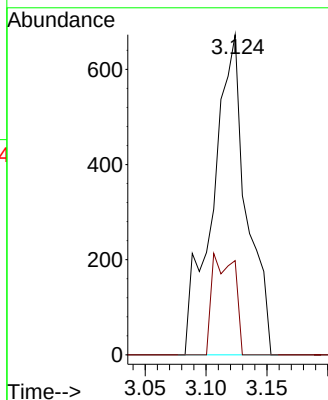
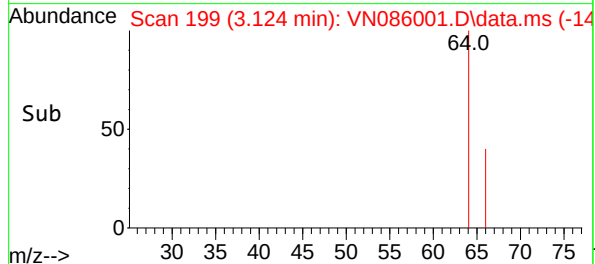
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 64 Resp: 1302
Ion Ratio Lower Upper
64 100
66 29.4 28.3 42.5

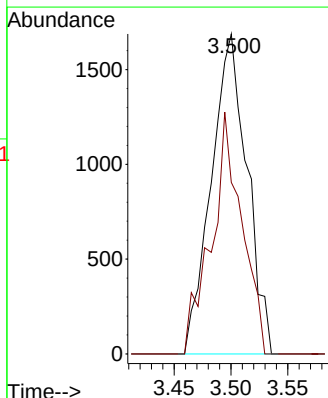
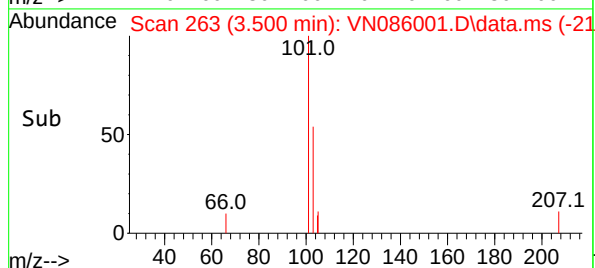
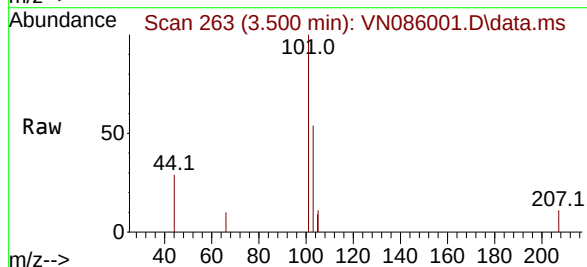
Manual Integrations
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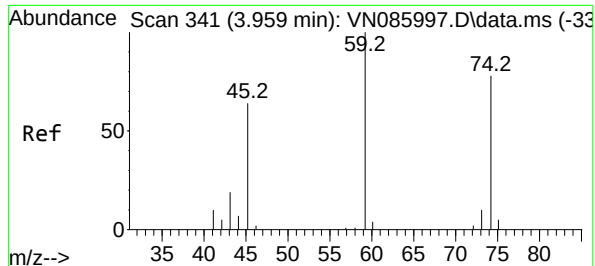
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#7
Trichlorofluoromethane
Concen: 1.187 ug/l
RT: 3.500 min Scan# 263
Delta R.T. 0.011 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion:101 Resp: 3696
Ion Ratio Lower Upper
101 100
103 53.6 51.7 77.5



#8
Diethyl Ether

Concen: 1.028 ug/l

RT: 3.959 min Scan# 341

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 74 Resp: 980

Ion Ratio Lower Upper

74 100

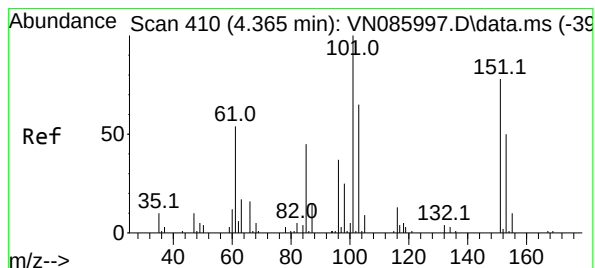
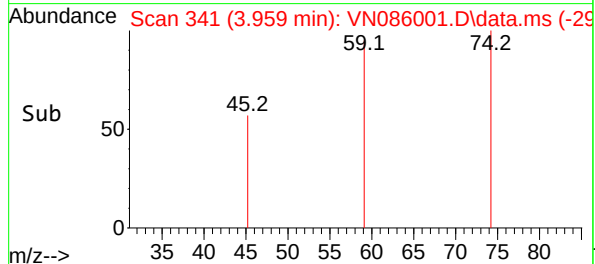
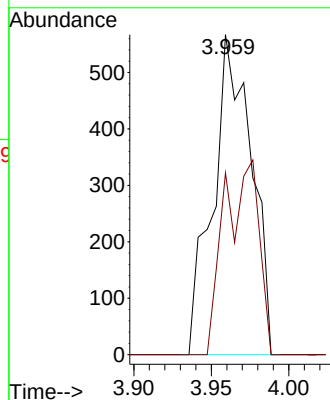
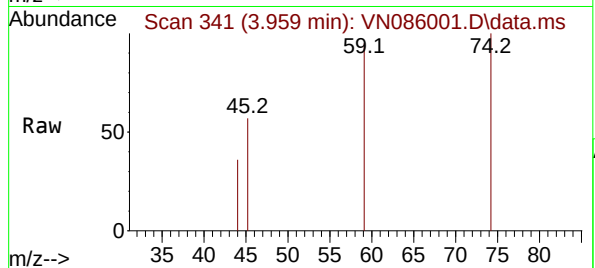
45 54.1 38.0 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.162 ug/l m

RT: 4.365 min Scan# 410

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

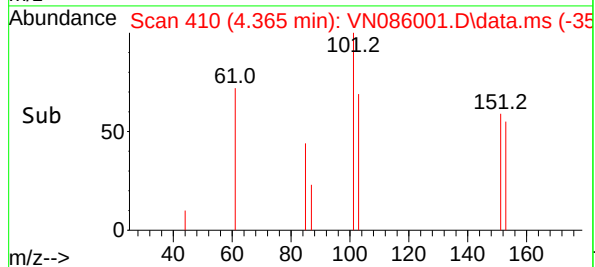
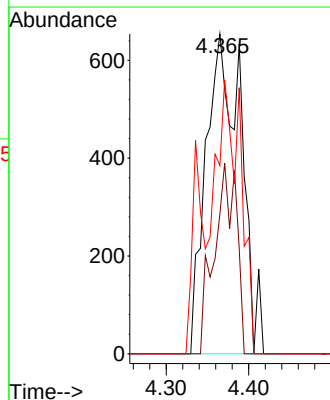
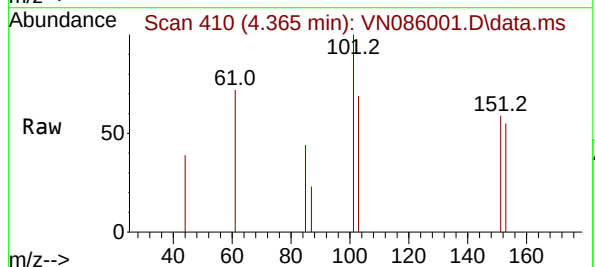
Tgt Ion:101 Resp: 1923

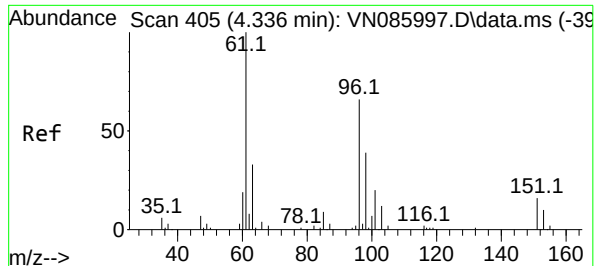
Ion Ratio Lower Upper

101 100

85 38.1 36.5 54.7

151 62.4 63.4 95.0#





#12

1,1-Dichloroethene

Concen: 0.810 ug/l

RT: 4.347 min Scan# 405

Delta R.T. 0.011 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 1210

Ion Ratio Lower Upper

96 100

61 105.8 120.5 180.7

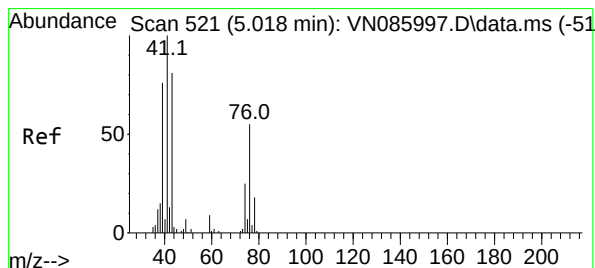
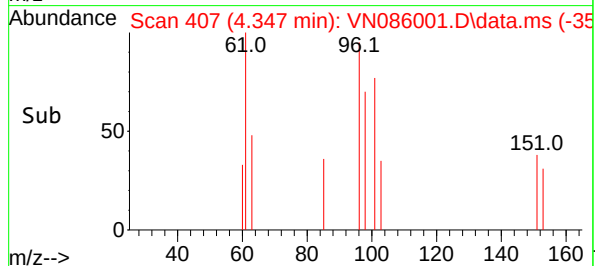
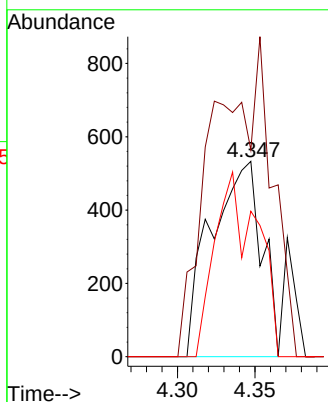
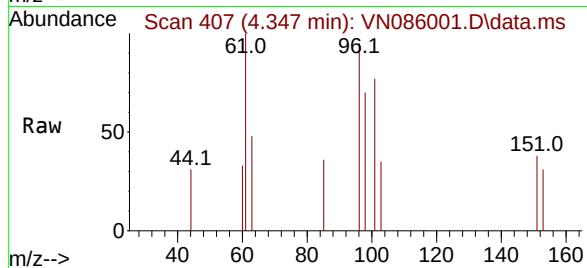
98 74.5 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 1.039 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

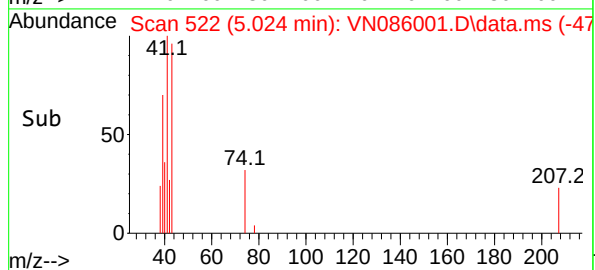
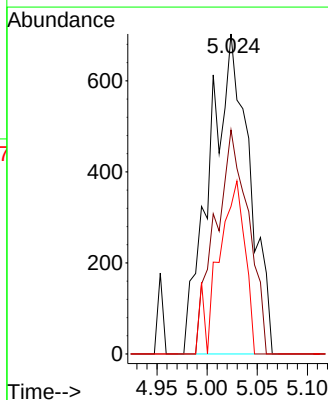
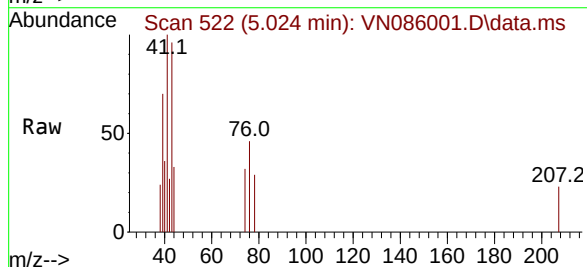
Tgt Ion: 41 Resp: 1936

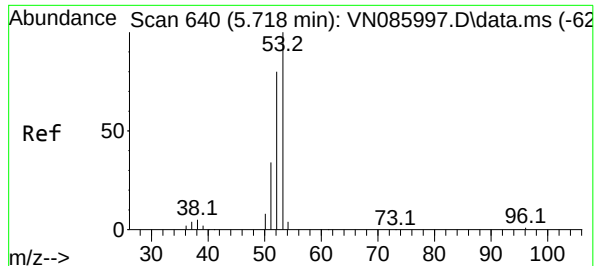
Ion Ratio Lower Upper

41 100

39 58.7 55.5 83.3

76 36.5 39.1 58.7





#15

Acrylonitrile

Concen: 4.930 ug/l

RT: 5.724 min Scan# 641

Delta R.T. 0.006 min

Lab File: VN086001.D

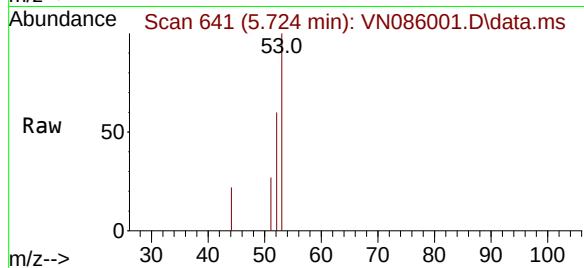
Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001



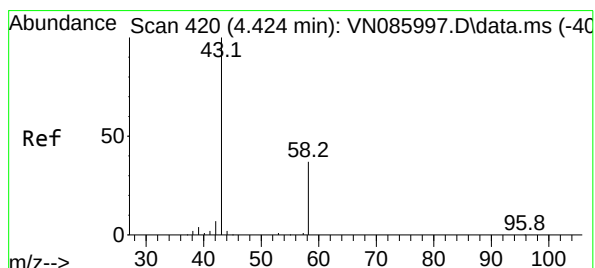
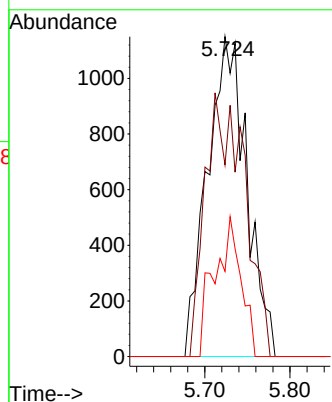
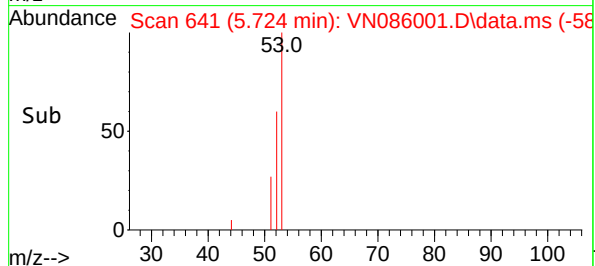
Tgt Ion:	53	Resp:	368
Ion	Ratio	Lower	Upper
53	100		
52	42.2	63.9	95.9
51	29.5	27.1	40.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#16

Acetone

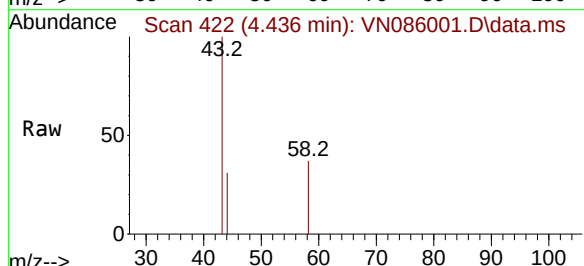
Concen: 5.336 ug/l

RT: 4.436 min Scan# 422

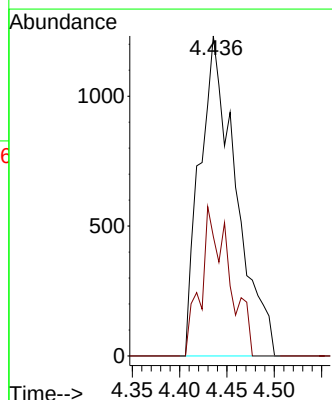
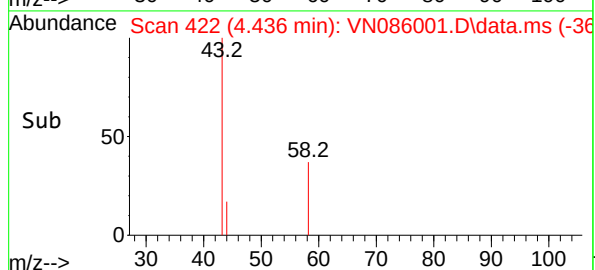
Delta R.T. 0.011 min

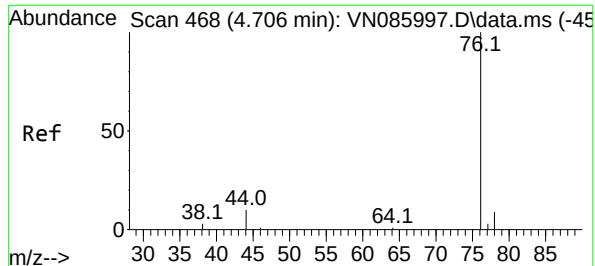
Lab File: VN086001.D

Acq: 18 Mar 2025 14:09



Tgt Ion:	43	Resp:	3256
Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.4	44.2





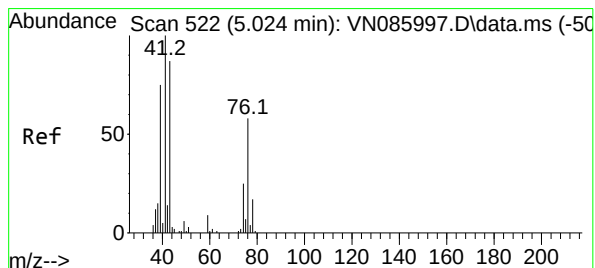
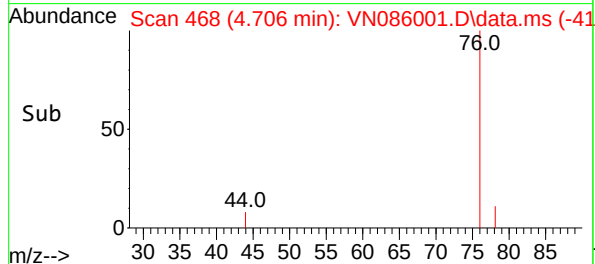
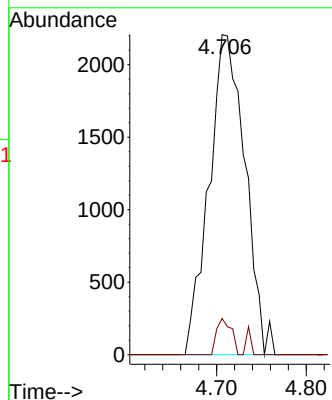
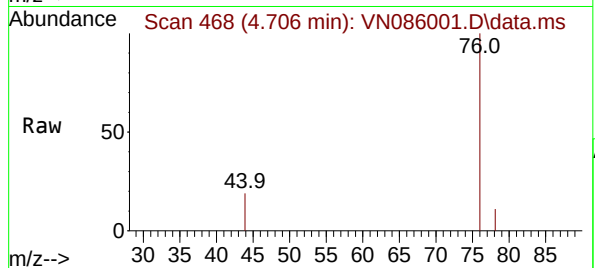
#17
Carbon Disulfide
Concen: 1.251 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 76 Resp: 6140
Ion Ratio Lower Upper
76 100
78 11.3 7.4 11.2

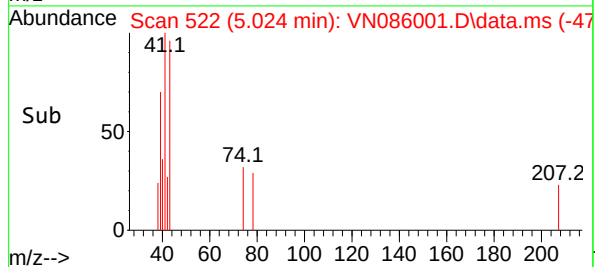
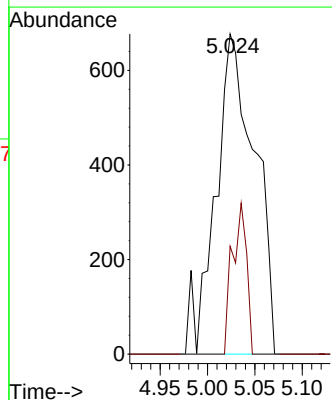
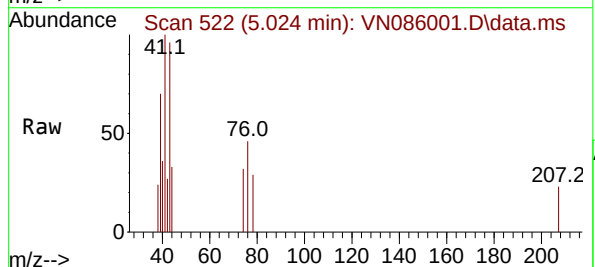
Manual Integrations
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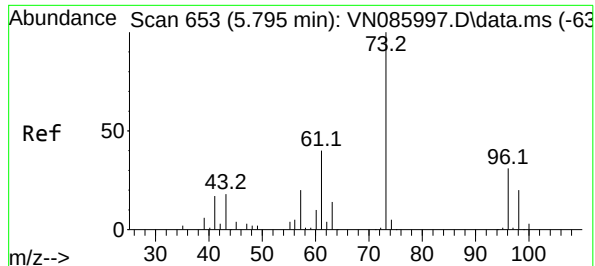
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#18
Methyl Acetate
Concen: 1.290 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 43 Resp: 1947
Ion Ratio Lower Upper
43 100
74 17.3 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 0.997 ug/l

RT: 5.794 min Scan# 653

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 73 Resp: 4880

Ion Ratio Lower Upper

73 100

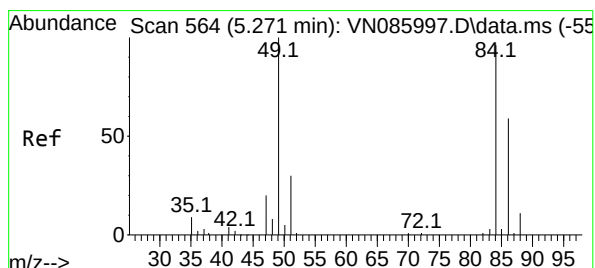
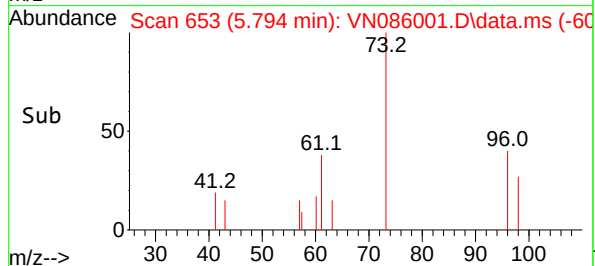
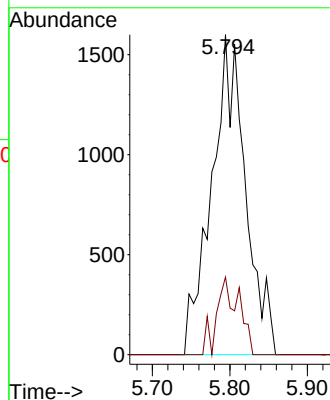
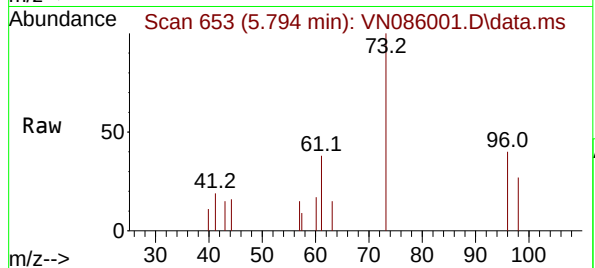
57 24.2 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#20

Methylene Chloride

Concen: 1.194 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion: 84 Resp: 2132

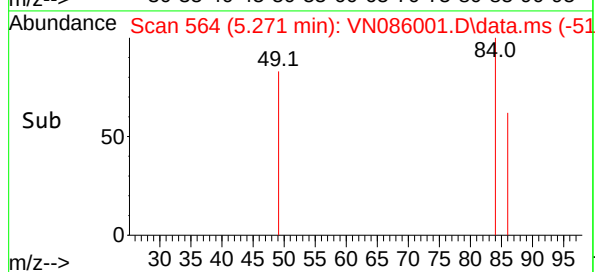
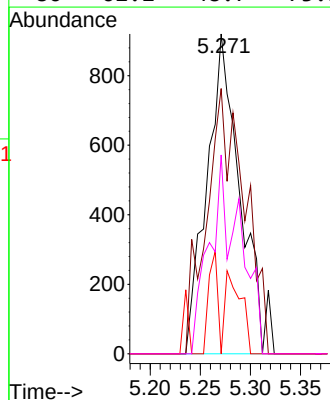
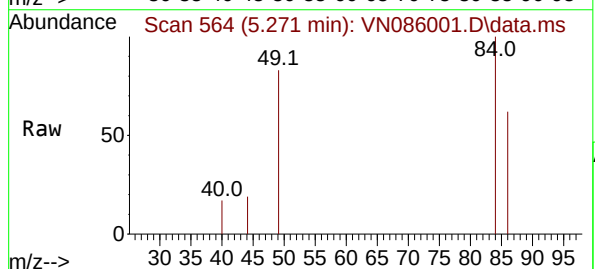
Ion Ratio Lower Upper

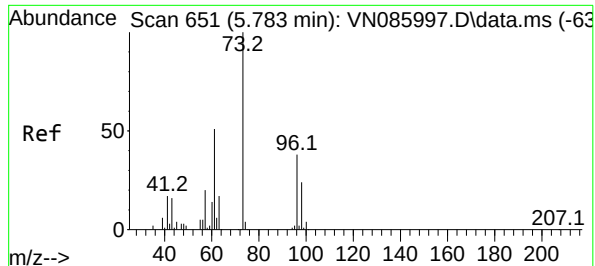
84 100

49 82.9 83.3 124.9#

51 0.0 24.8 37.2#

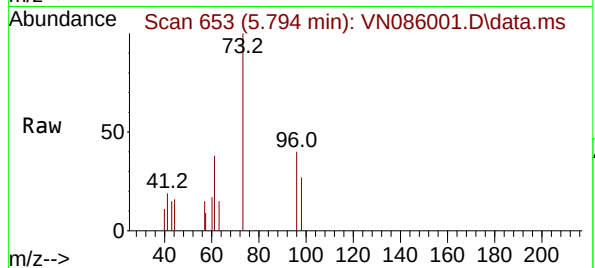
86 62.2 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 1.056 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.011 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

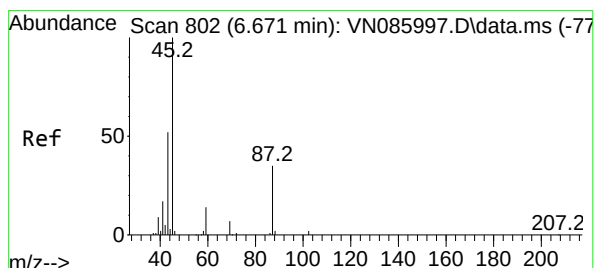
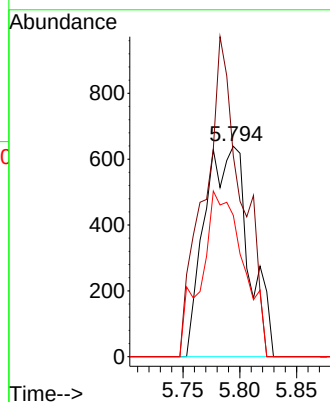
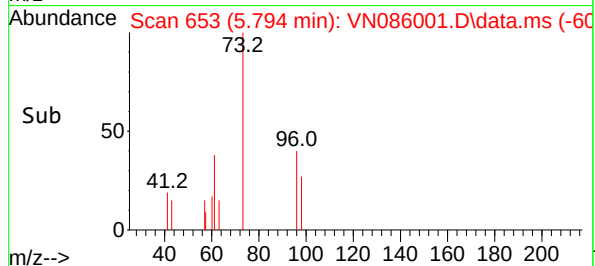
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 96 Resp: 1729
Ion Ratio Lower Upper
96 100
61 95.5 106.6 160.0#
98 67.1 50.0 75.0

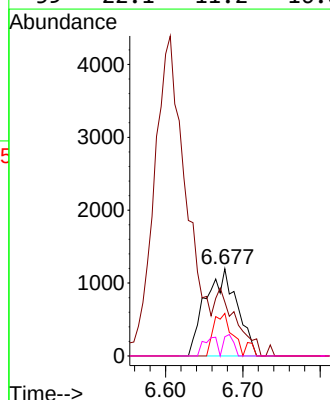
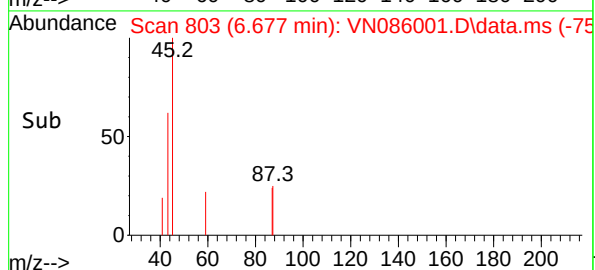
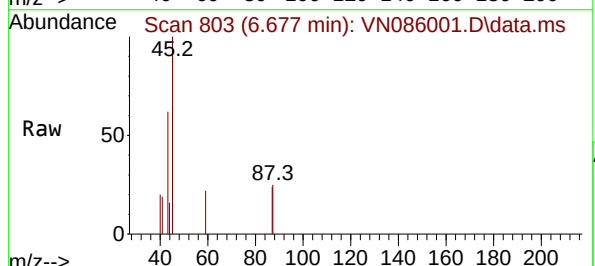
Manual Integrations
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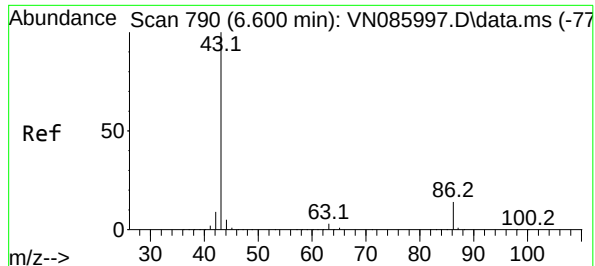
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 0.856 ug/l m
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 45 Resp: 3402
Ion Ratio Lower Upper
45 100
43 61.9 41.2 61.8#
87 24.8 28.5 42.7#
59 22.1 11.2 16.8#





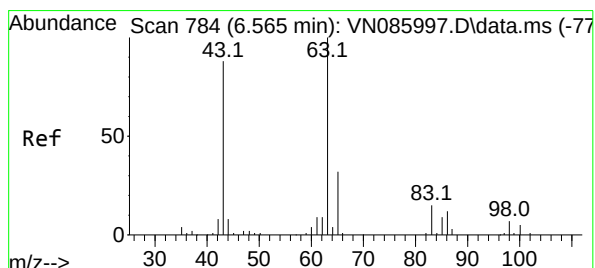
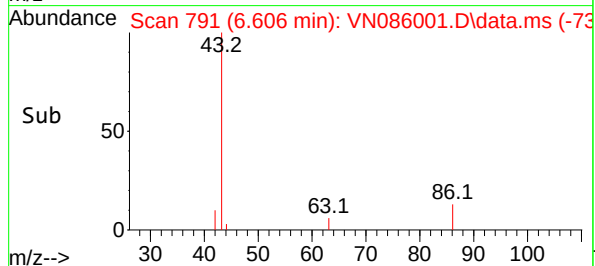
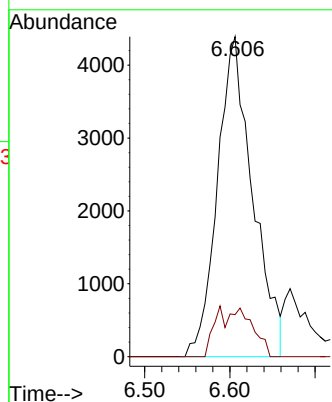
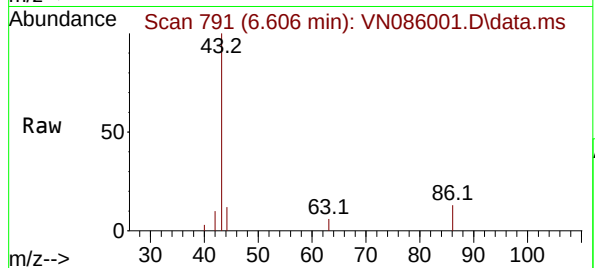
#23
Vinyl Acetate
Concen: 4.195 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 12634
Ion Ratio Lower Upper
43 100
86 13.1 11.2 16.8

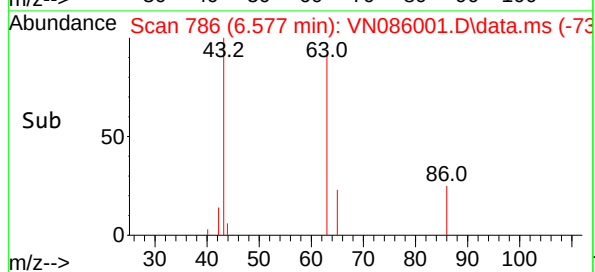
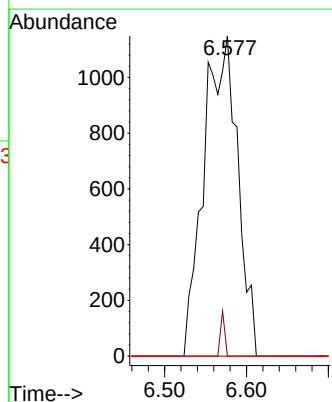
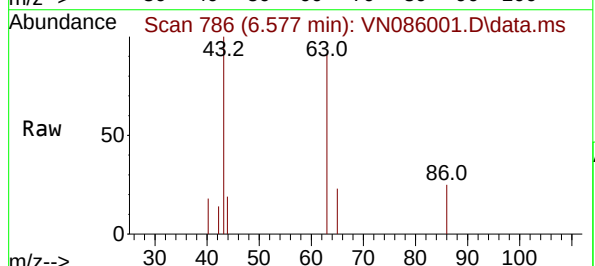
Manual Integrations
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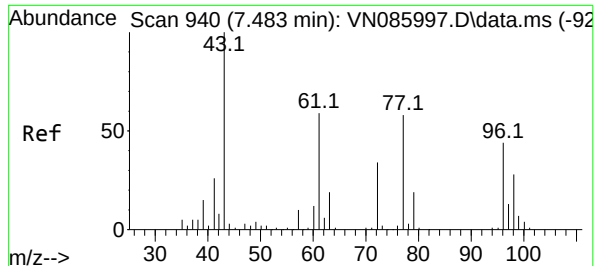
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#24
1,1-Dichloroethane
Concen: 1.128 ug/l m
RT: 6.577 min Scan# 786
Delta R.T. 0.011 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 63 Resp: 3295
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.9#
100 0.0 2.5 7.5#





#25

2-Butanone

Concen: 4.895 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 4310

Ion Ratio Lower Upper

43 100

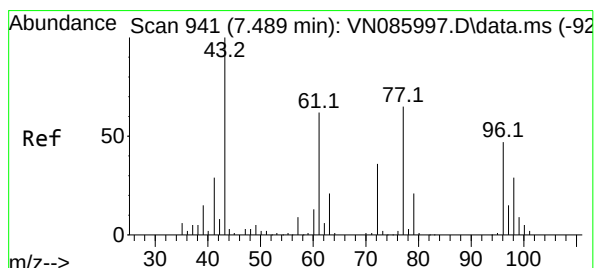
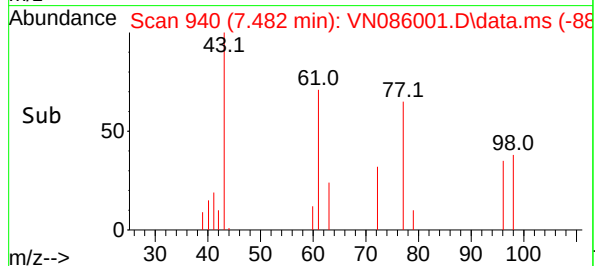
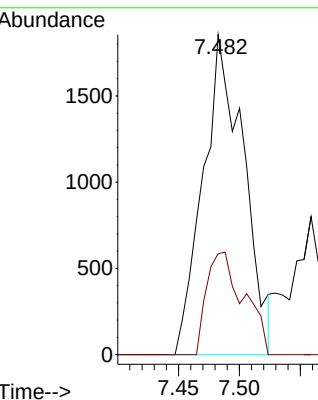
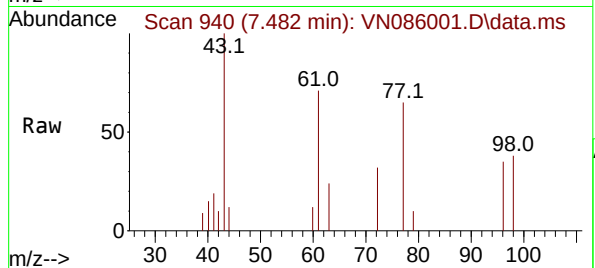
72 31.5 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#26

2,2-Dichloropropane

Concen: 1.042 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.006 min

Lab File: VN086001.D

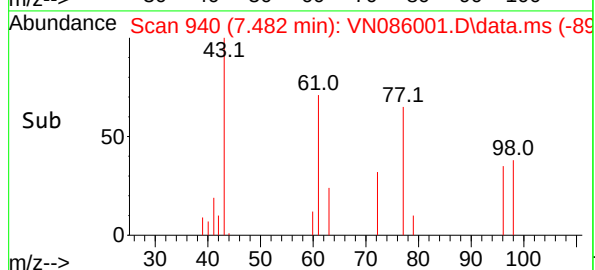
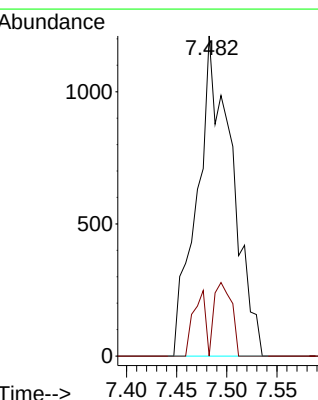
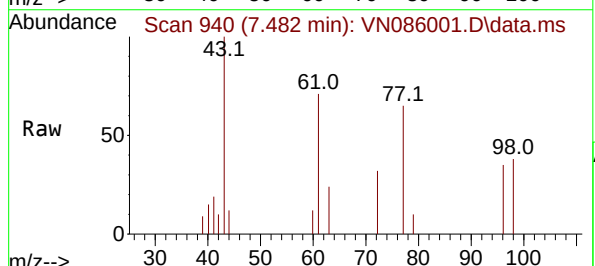
Acq: 18 Mar 2025 14:09

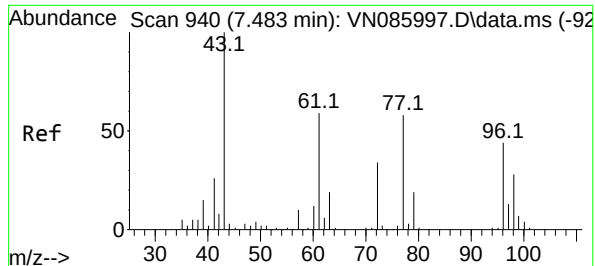
Tgt Ion: 77 Resp: 2930

Ion Ratio Lower Upper

77 100

97 7.2 11.2 33.5#





#27

cis-1,2-Dichloroethene

Concen: 0.994 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion: 96 Resp: 184

Ion Ratio Lower Upper

96 100

61 153.2 0.0 272.8

98 62.9 0.0 124.8

Instrument :

MSVOA_N

ClientSampleId :

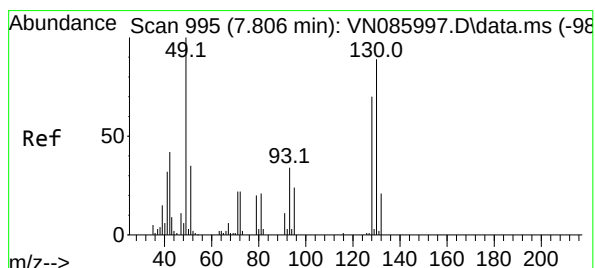
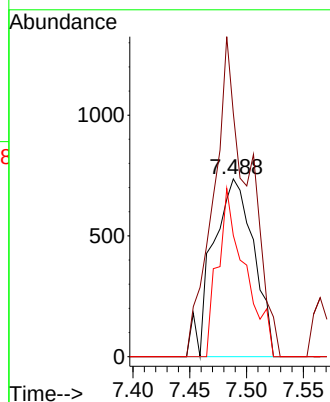
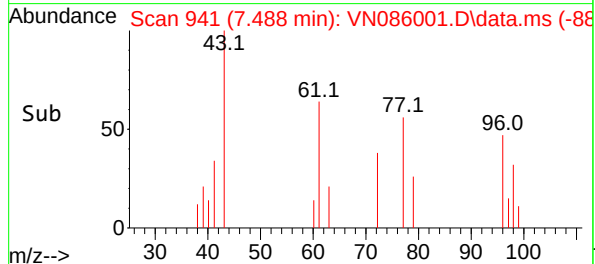
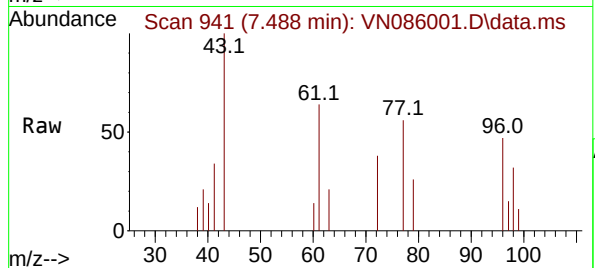
VSTDIC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#28

Bromochloromethane

Concen: 1.228 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

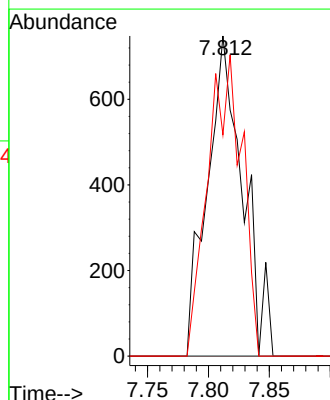
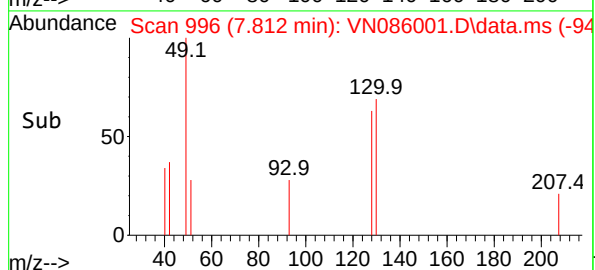
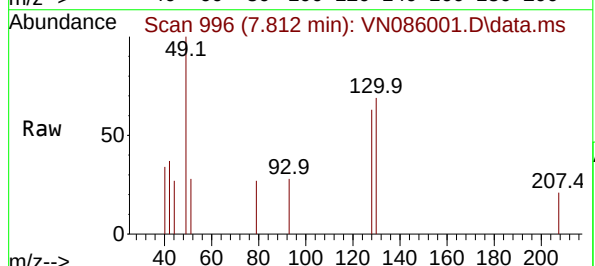
Tgt Ion: 49 Resp: 1520

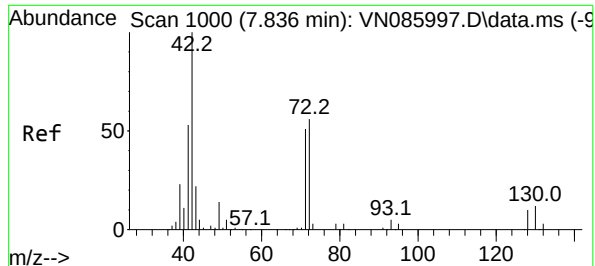
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 90.8 74.2 111.4





#29

Tetrahydrofuran

Concen: 4.082 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

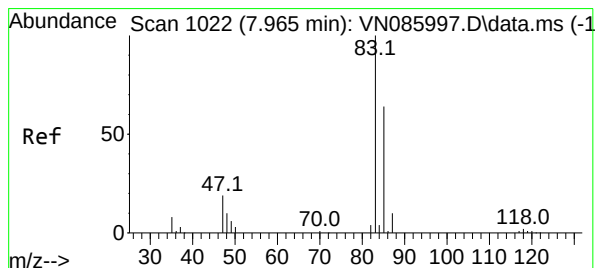
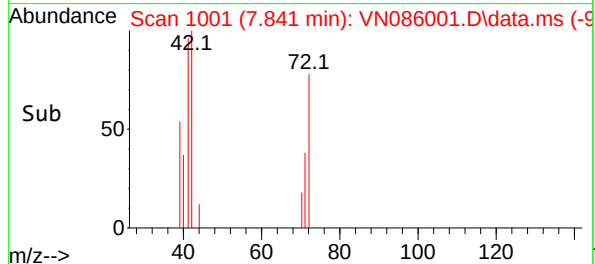
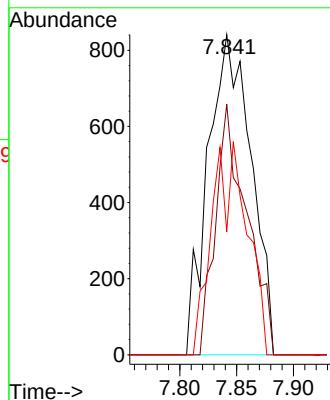
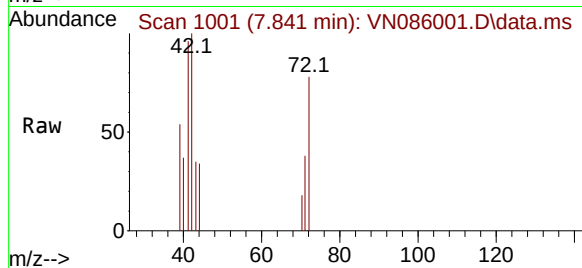
Tgt Ion:	42	Resp:	2219
Ion	Ratio	Lower	Upper
42	100		
72	56.8	45.0	67.4
71	25.9	41.9	62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 1.125 ug/l

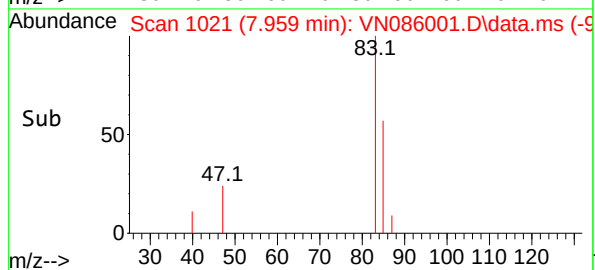
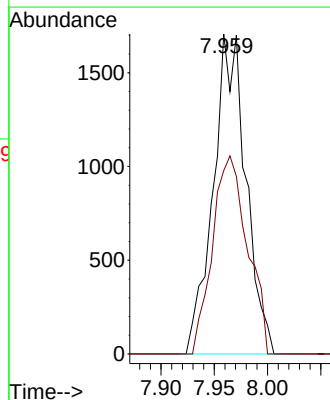
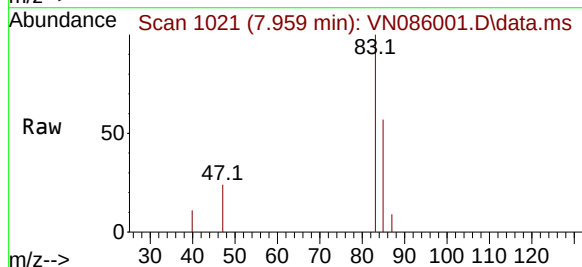
RT: 7.959 min Scan# 1021

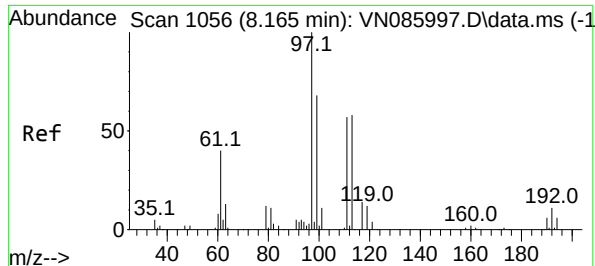
Delta R.T. -0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion:	83	Resp:	3631
Ion	Ratio	Lower	Upper
83	100		
85	57.2	51.5	77.3





#32

1,1,1-Trichloroethane

Concen: 1.072 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 3278

Ion Ratio Lower Upper

97 100

99 0.0 52.8 79.2

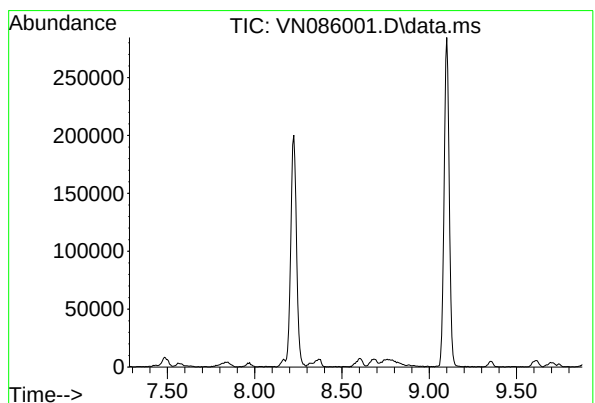
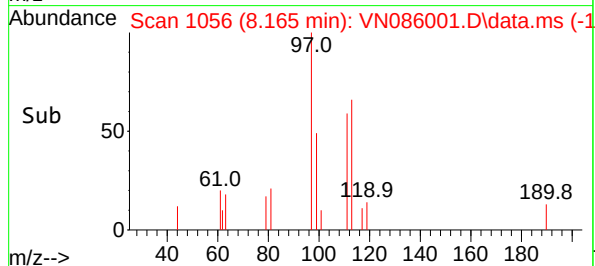
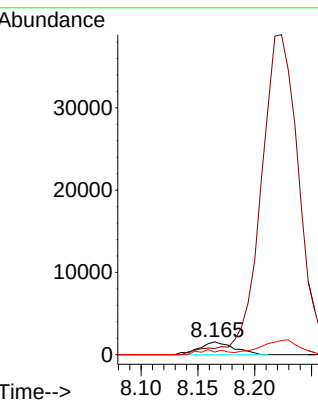
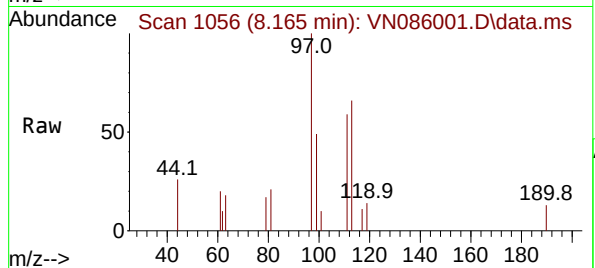
61 30.2 33.6 50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.58 min

Lab File: VN086001.D

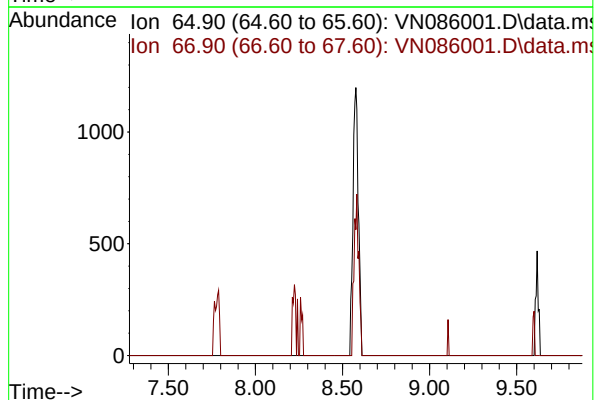
Acq: 18 Mar 2025 14:09

Tgt Ion: 65

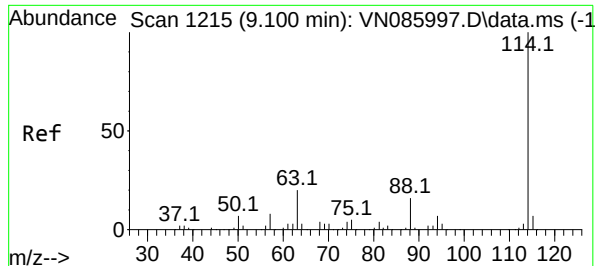
Sig Exp Ratio

65 100

67 51.1



Ion 66.90 (66.60 to 67.60): VN086001.D\data.ms



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 249612

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

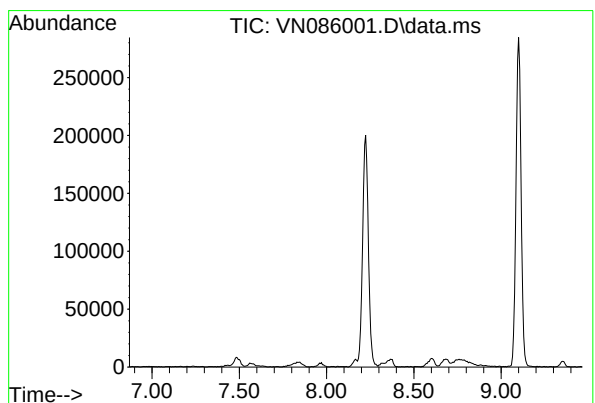
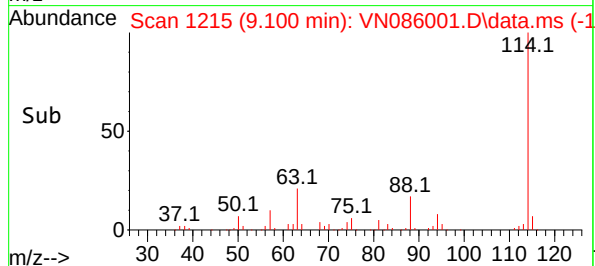
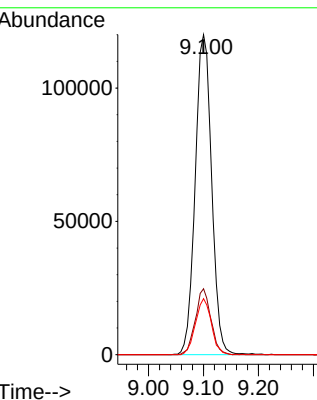
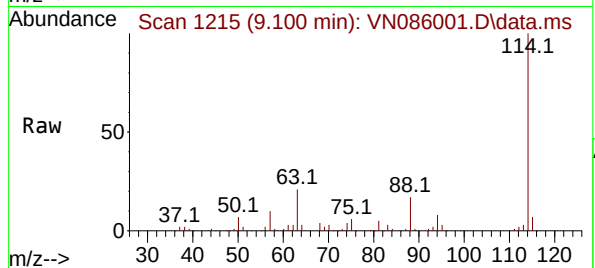
88 17.5 0.0 32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 8.17 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

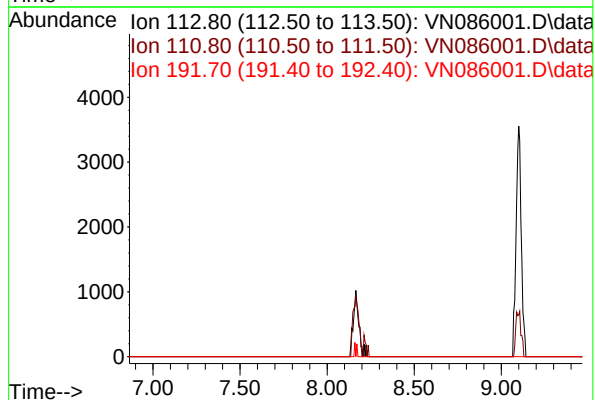
Tgt Ion: 113

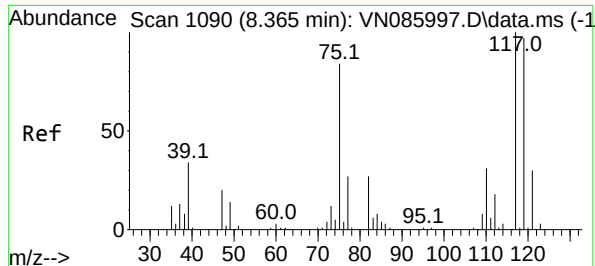
Sig Exp Ratio

113 100

111 102.3

192 19.9





#36

1,1-Dichloropropene

Concen: 0.994 ug/l

RT: 8.376 min Scan# 1092

Delta R.T. 0.011 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 228

Ion Ratio Lower Upper

75 100

110 33.8 17.8 53.3

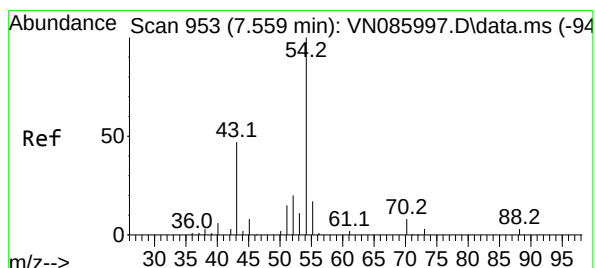
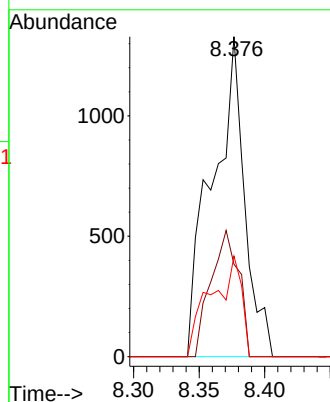
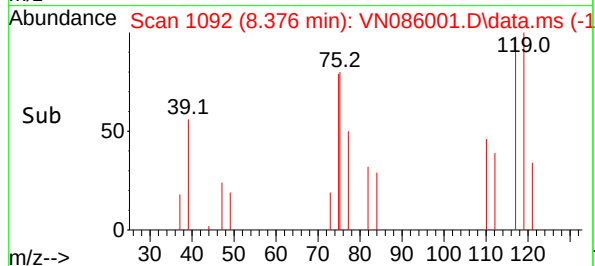
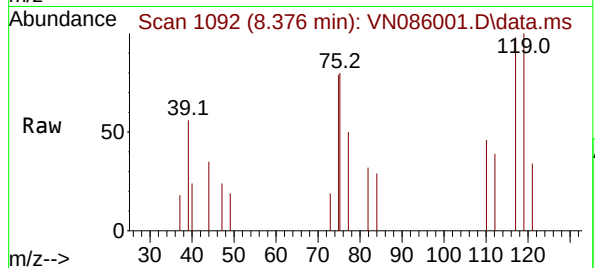
77 29.6 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#37

Ethyl Acetate

Concen: 1.002 ug/l m

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

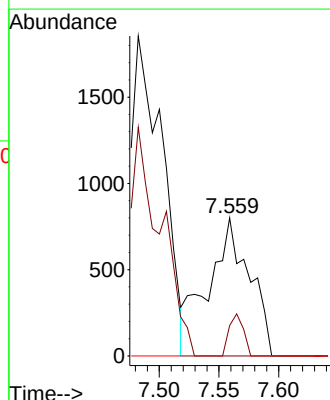
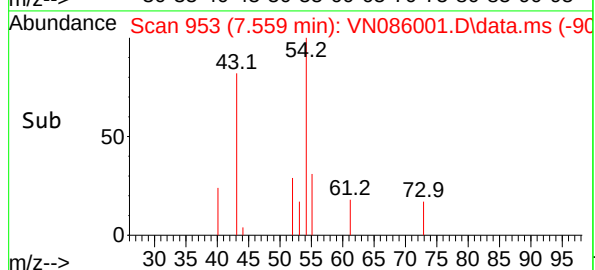
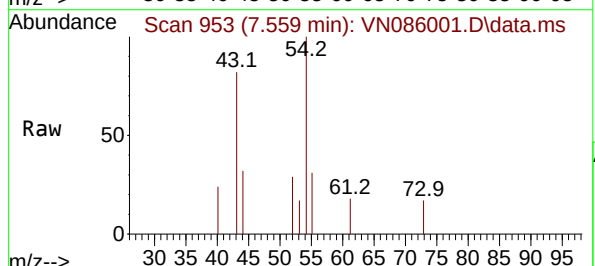
Tgt Ion: 43 Resp: 1939

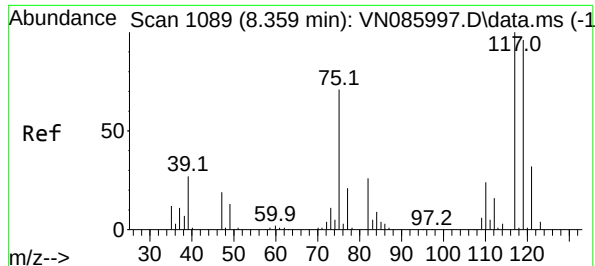
Ion Ratio Lower Upper

43 100

61 10.5 13.0 19.4#

70 0.0 11.0 16.6#





#38

Carbon Tetrachloride

Concen: 1.032 ug/l

RT: 8.365 min Scan# 1114

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

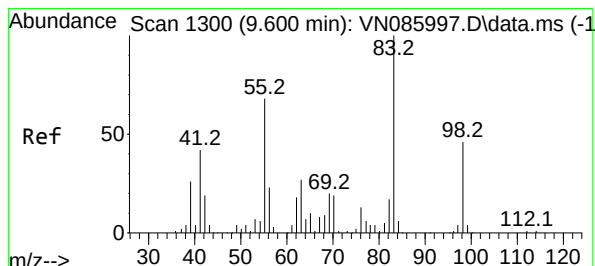
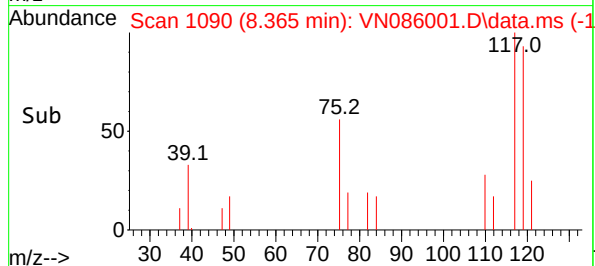
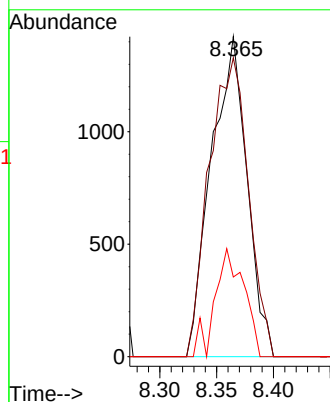
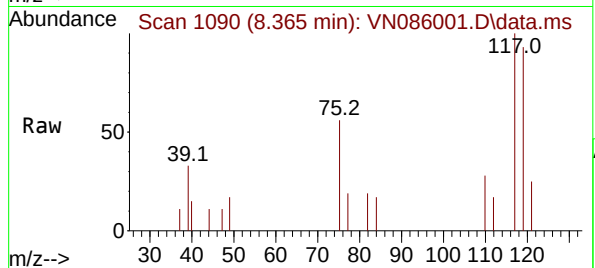
Tgt Ion:	117	Resp:	3114
Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.0	115.4
121	24.9	25.6	38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#39

Methylcyclohexane

Concen: 0.960 ug/l

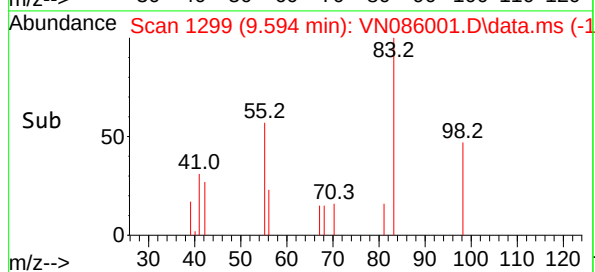
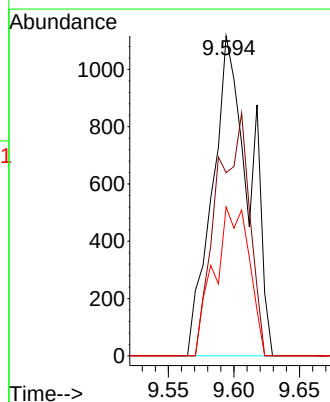
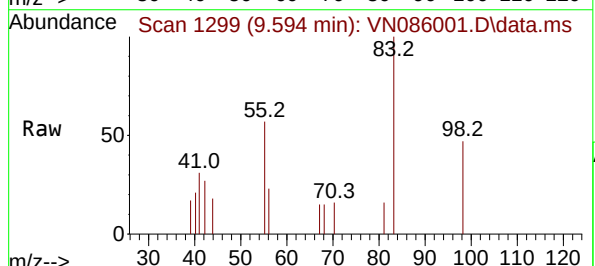
RT: 9.594 min Scan# 1299

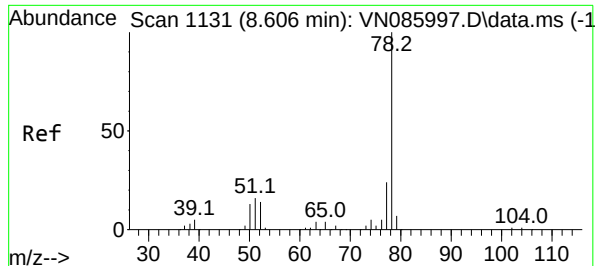
Delta R.T. -0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion:	83	Resp:	2186
Ion	Ratio	Lower	Upper
83	100		
55	57.3	54.2	81.2
98	46.6	37.1	55.7





#40

Benzene

Concen: 1.016 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 731

Ion Ratio Lower Upper

78 100

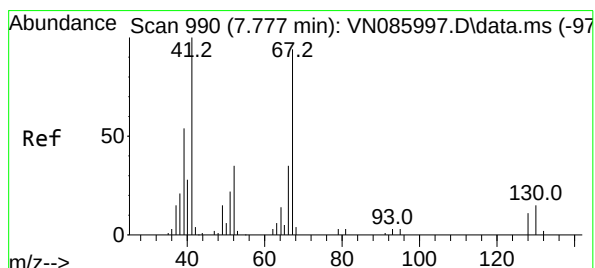
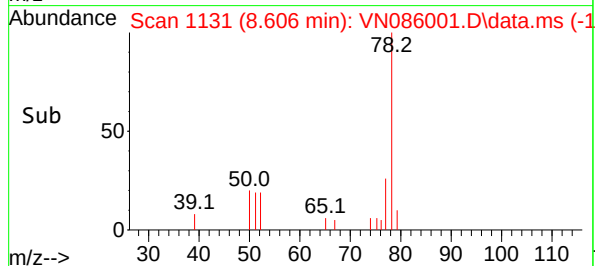
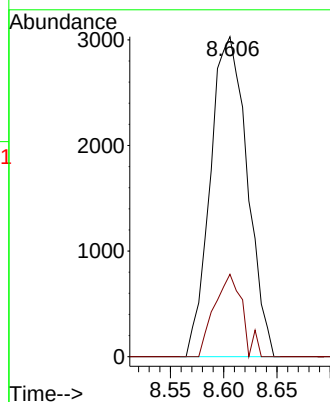
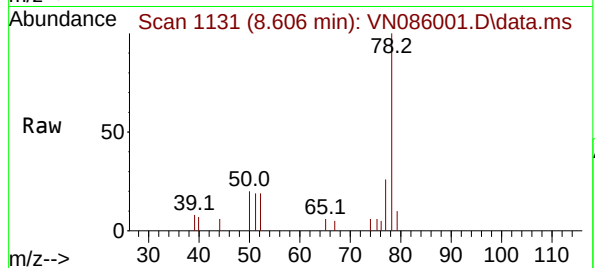
77 25.7 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#41

Methacrylonitrile

Concen: 0.711 ug/l

RT: 7.777 min Scan# 990

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion: 41 Resp: 657

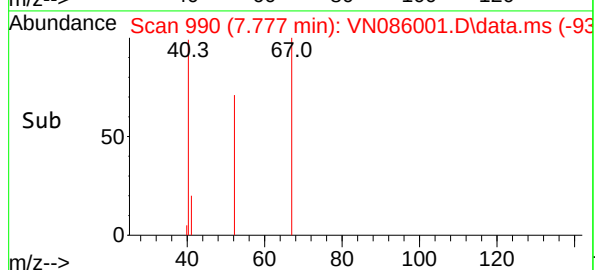
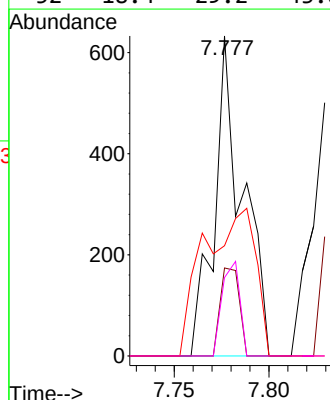
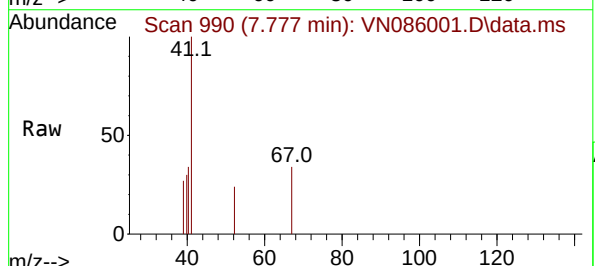
Ion Ratio Lower Upper

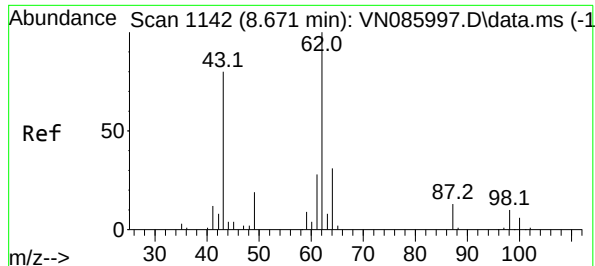
41 100

39 18.4 46.2 69.2#

67 84.0 75.9 113.9

52 18.4 29.2 43.8#





#42

1,2-Dichloroethane

Concen: 1.036 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 260

Ion Ratio Lower Upper

62 100

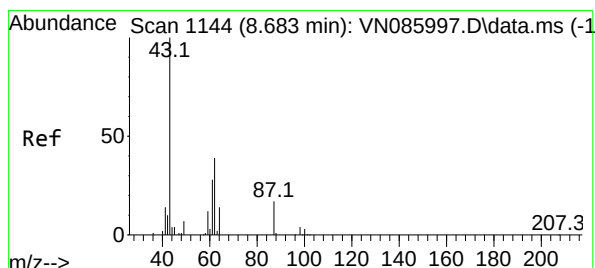
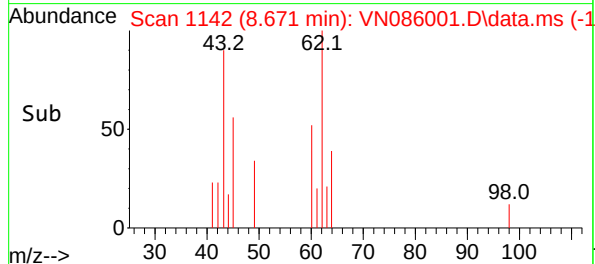
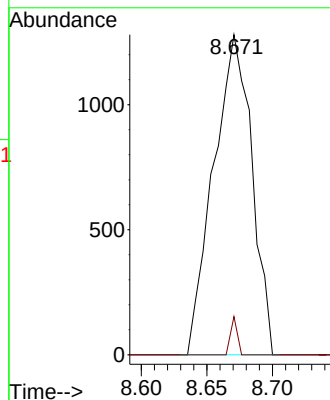
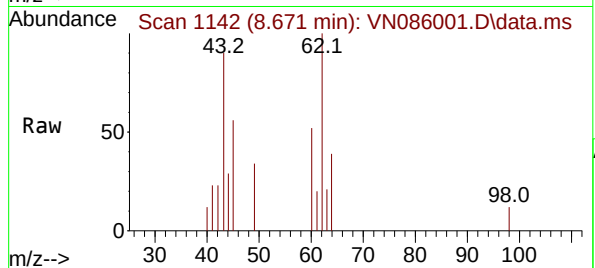
98 2.1 0.0 18.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#43

Isopropyl Acetate

Concen: 1.334 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.011 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

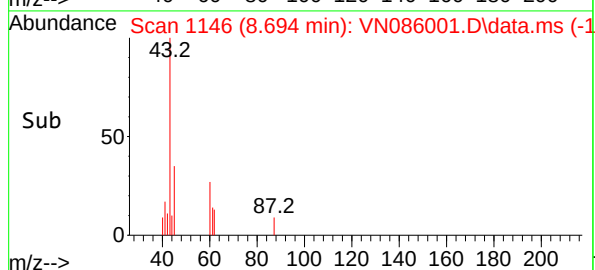
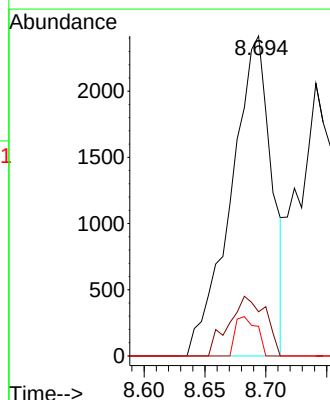
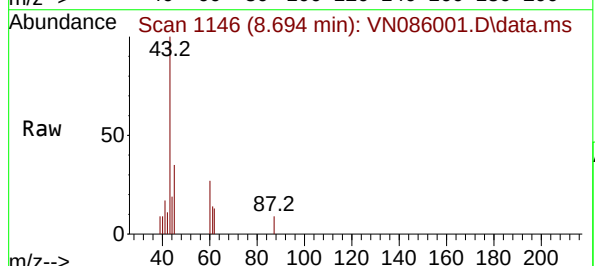
Tgt Ion: 43 Resp: 5607

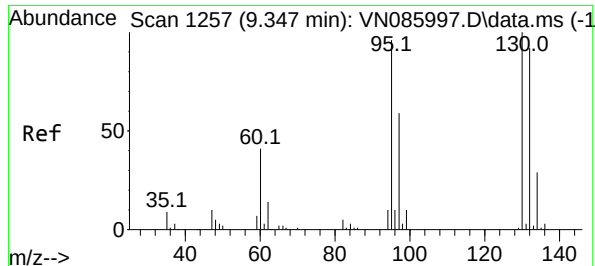
Ion Ratio Lower Upper

43 100

61 16.8 25.0 37.6#

87 6.5 13.0 19.4#





#44

Trichloroethene

Concen: 1.164 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion:130 Resp: 217

Ion Ratio Lower Upper

130 100

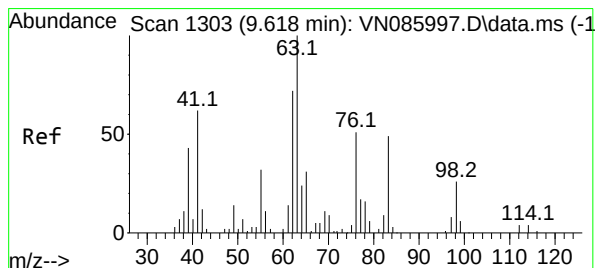
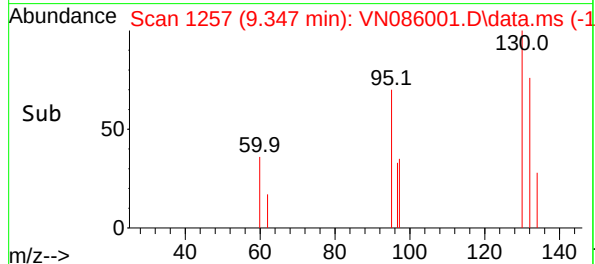
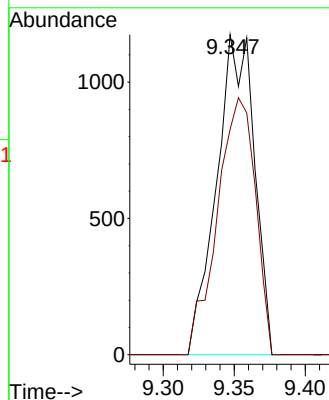
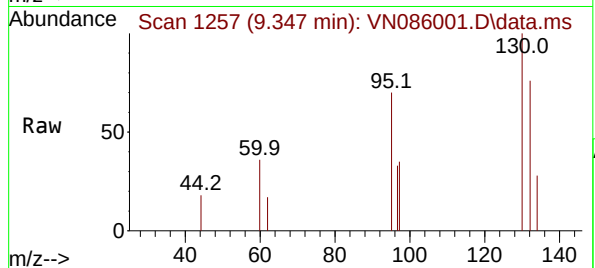
95 70.4 0.0 191.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#45

1,2-Dichloropropane

Concen: 0.941 ug/l

RT: 9.623 min Scan# 1304

Delta R.T. 0.006 min

Lab File: VN086001.D

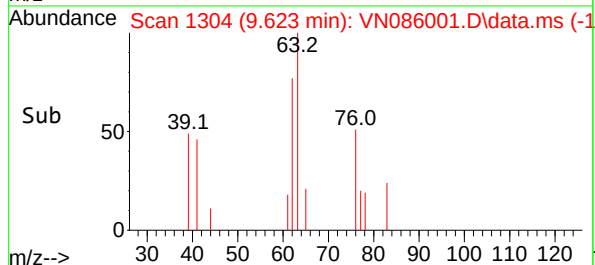
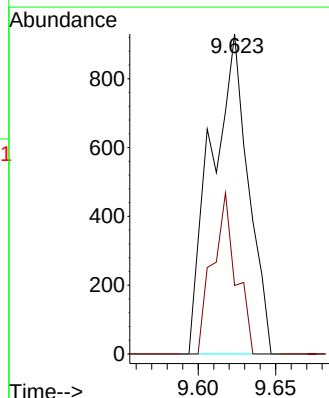
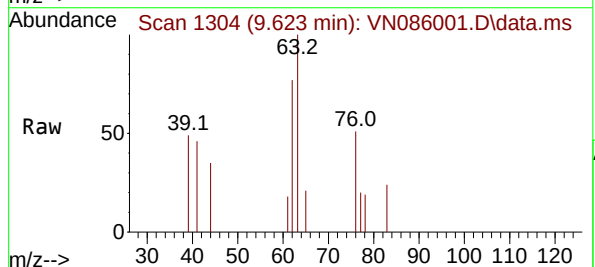
Acq: 18 Mar 2025 14:09

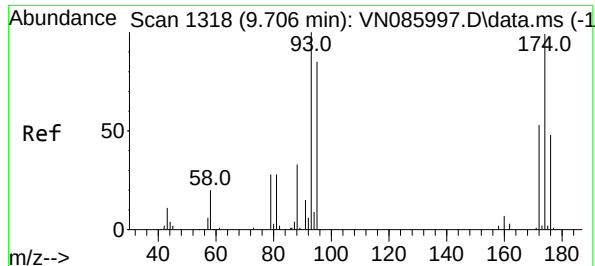
Tgt Ion: 63 Resp: 1541

Ion Ratio Lower Upper

63 100

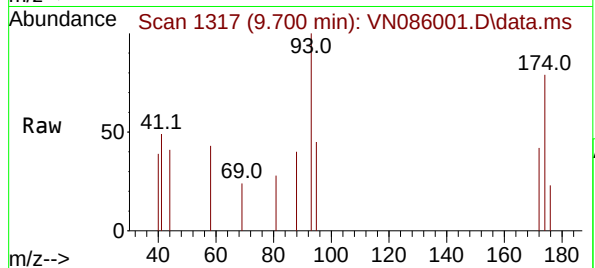
65 21.4 24.7 37.1#





#46
Dibromomethane
Concen: 1.064 ug/l
RT: 9.700 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

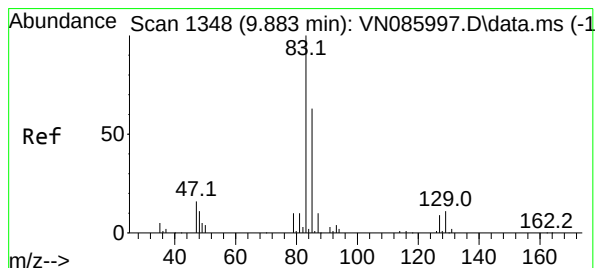
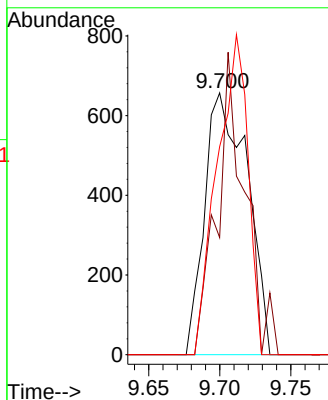
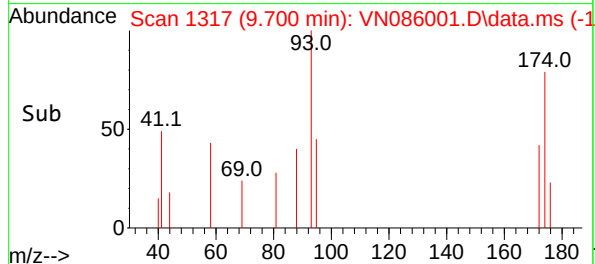
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 93 Resp: 1370
Ion Ratio Lower Upper
93 100
95 76.1 66.2 99.2
174 88.2 80.1 120.1

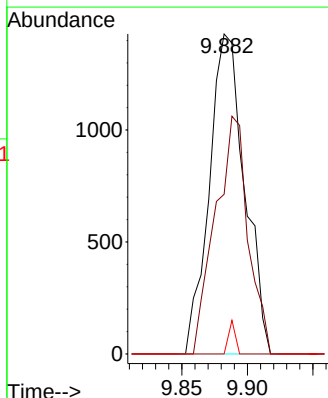
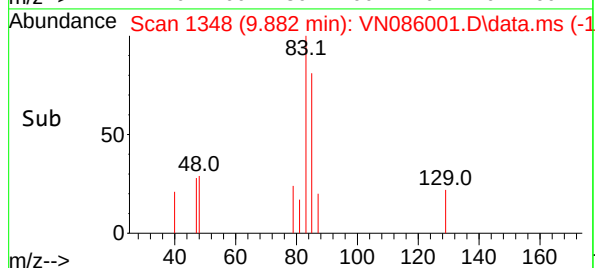
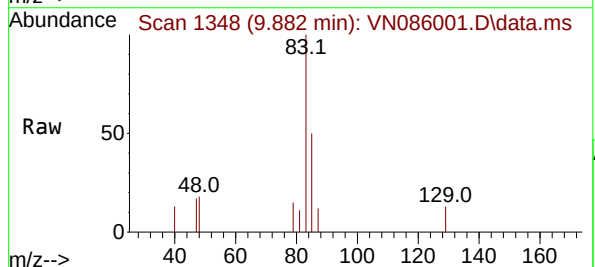
Manual Integrations
APPROVED

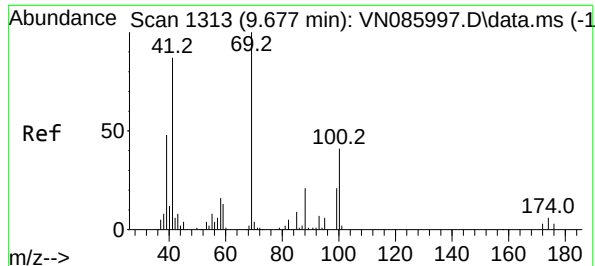
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#47
Bromodichloromethane
Concen: 0.995 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 83 Resp: 2680
Ion Ratio Lower Upper
83 100
85 49.9 50.2 75.2#
127 0.0 7.1 10.7#





#48

Methyl methacrylate

Concen: 0.921 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

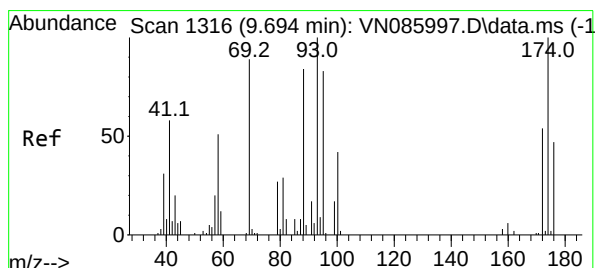
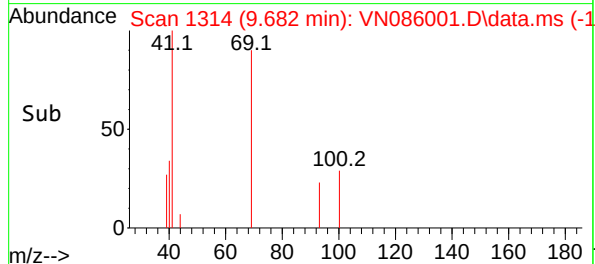
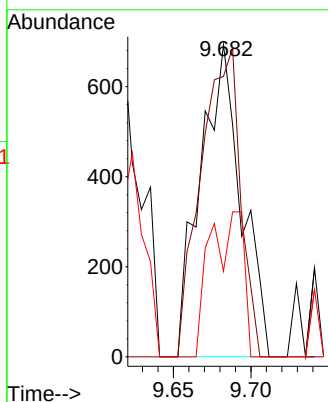
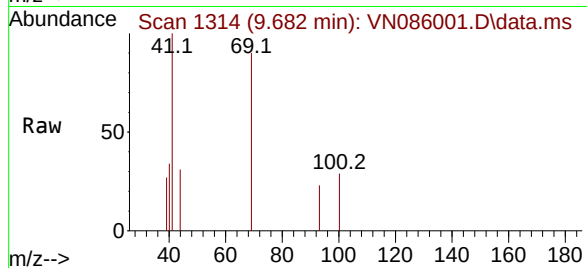
Tgt Ion: 41 Resp: 1275
Ion Ratio Lower Upper
41 100
69 95.1 83.1 124.7
39 20.2 45.6 68.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#49

1,4-Dioxane

Concen: 13.999 ug/l

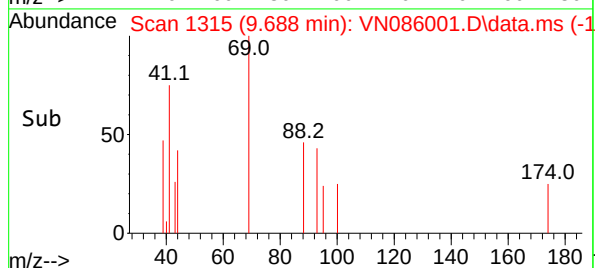
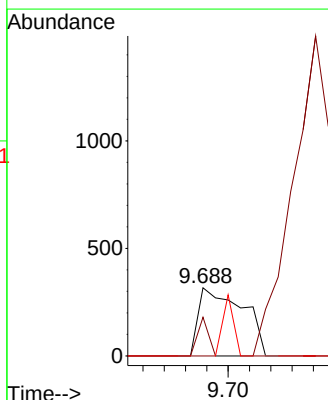
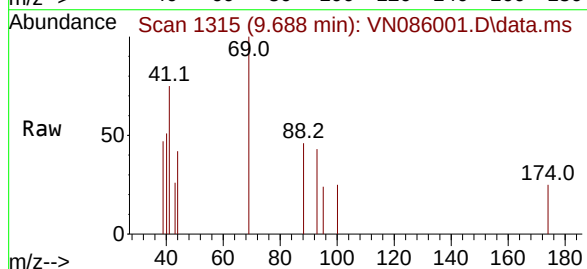
RT: 9.688 min Scan# 1315

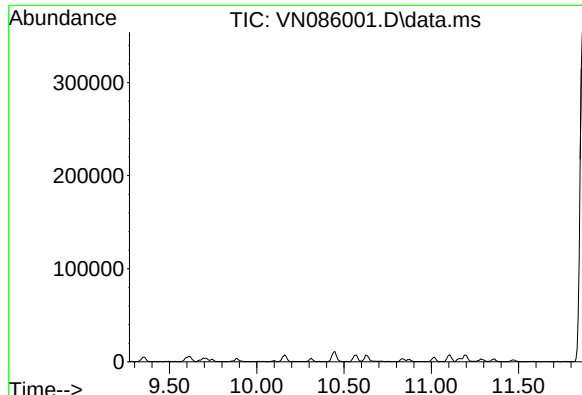
Delta R.T. -0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion: 88 Resp: 458
Ion Ratio Lower Upper
88 100
43 0.0 21.7 32.5#
58 21.8 50.4 75.6#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.56 min

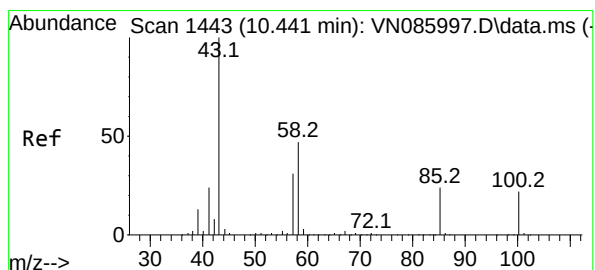
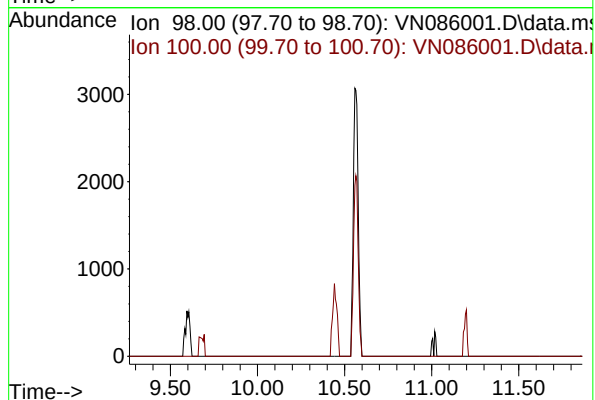
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.4

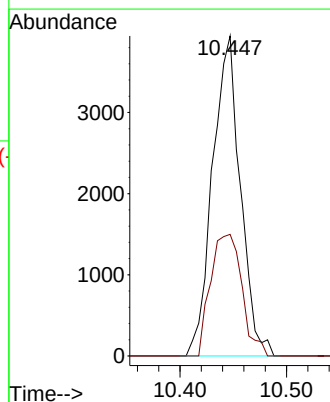
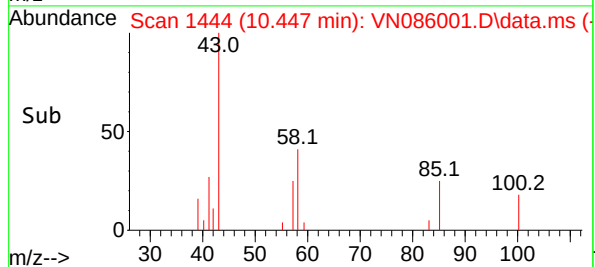
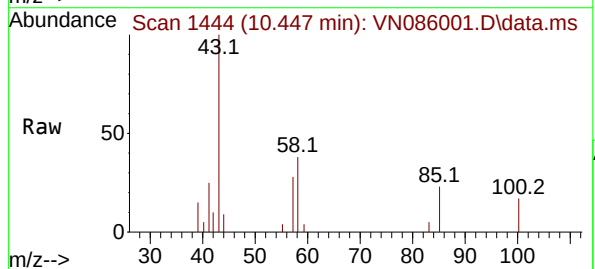
Manual Integrations
APPROVED

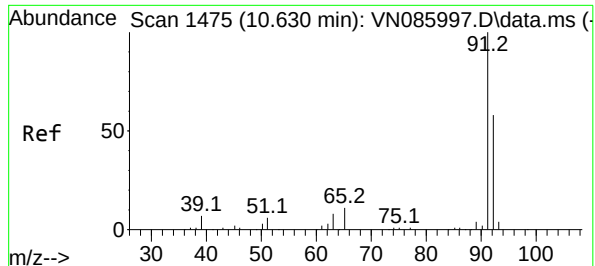
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#51
4-Methyl-2-Pentanone
Concen: 3.868 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 43 Resp: 7154
Ion Ratio Lower Upper
43 100
58 42.8 37.4 56.0





#52

Toluene

Concen: 0.821 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 363

Ion Ratio Lower Upper

92 100

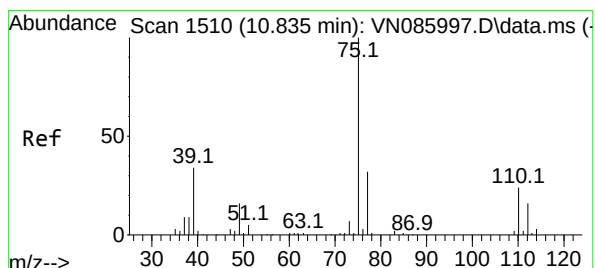
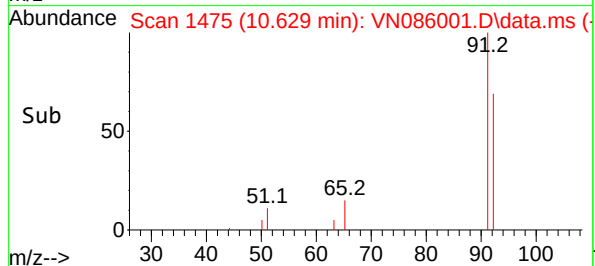
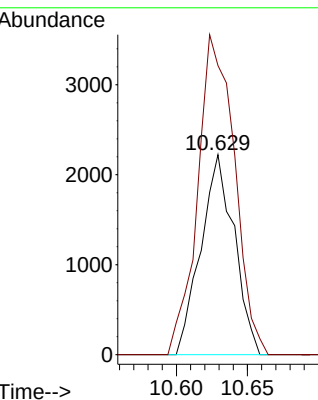
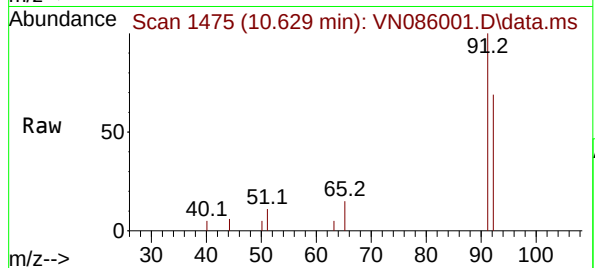
91 176.5 136.2 204.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#53

t-1,3-Dichloropropene

Concen: 0.851 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. -0.000 min

Lab File: VN086001.D

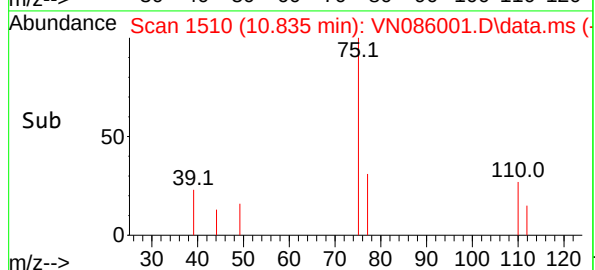
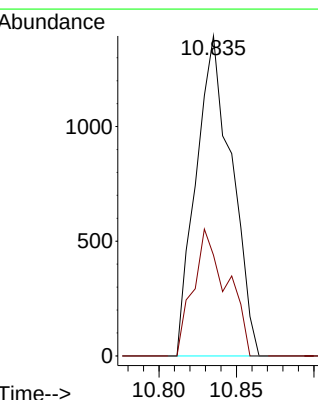
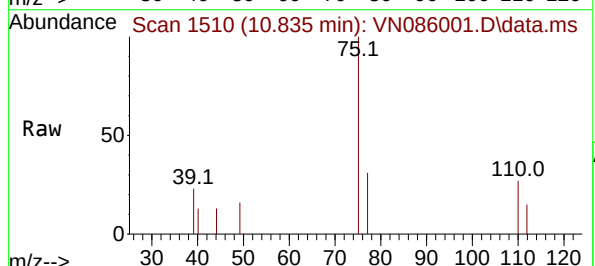
Acq: 18 Mar 2025 14:09

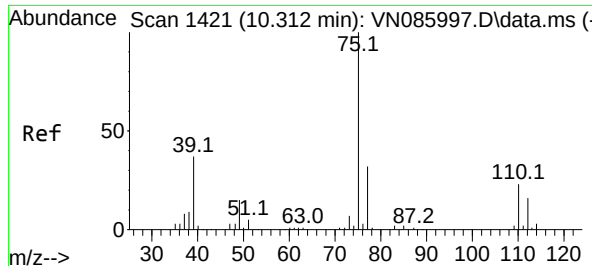
Tgt Ion: 75 Resp: 2225

Ion Ratio Lower Upper

75 100

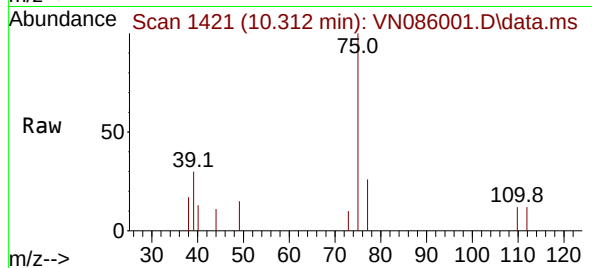
77 31.5 25.3 37.9





#54
cis-1,3-Dichloropropene
Concen: 0.840 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

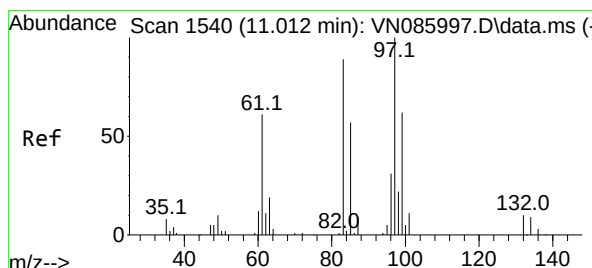
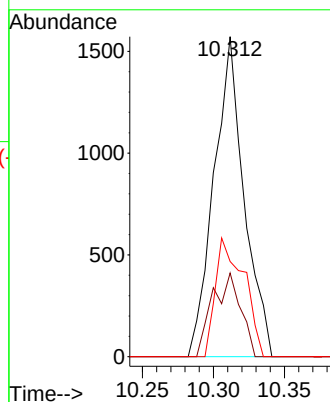
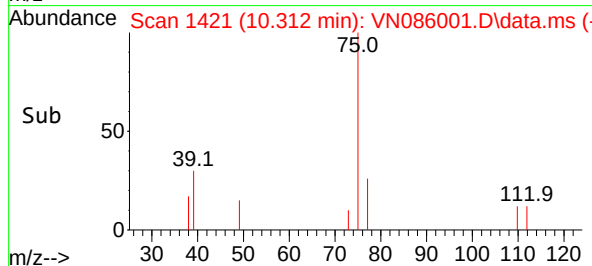
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 75 Resp: 2318
Ion Ratio Lower Upper
75 100
77 26.1 25.3 37.9
39 29.8 29.6 44.4

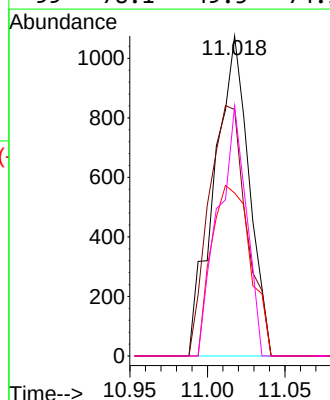
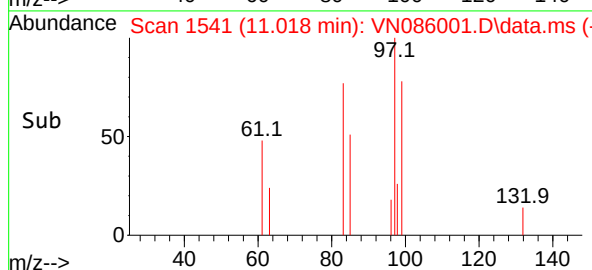
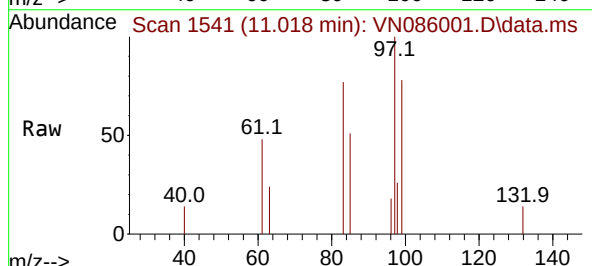
Manual Integrations
APPROVED

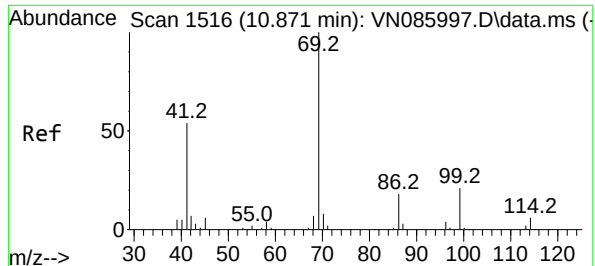
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#55
1,1,2-Trichloroethane
Concen: 0.990 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

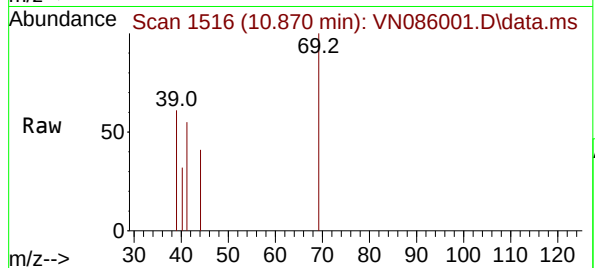
Tgt Ion: 97 Resp: 1670
Ion Ratio Lower Upper
97 100
83 77.0 71.2 106.8
85 51.0 45.4 68.0
99 78.1 49.5 74.3#





#56
Ethyl methacrylate
Concen: 0.886 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.001 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

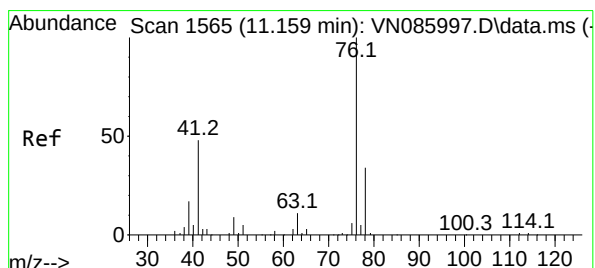
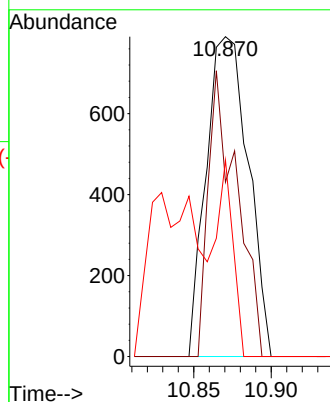
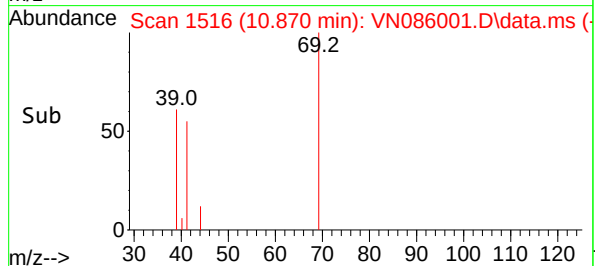
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



Tgt Ion: 69 Resp: 1488
Ion Ratio Lower Upper
69 100
41 60.8 41.6 62.4
39 24.2 21.8 32.8

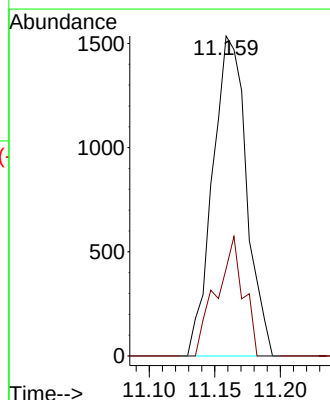
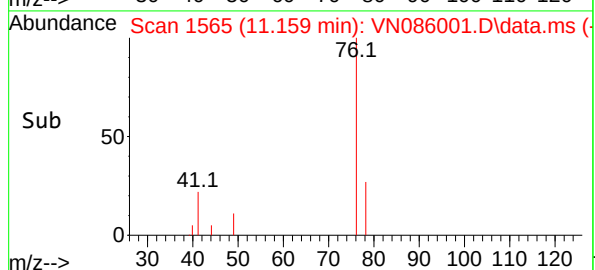
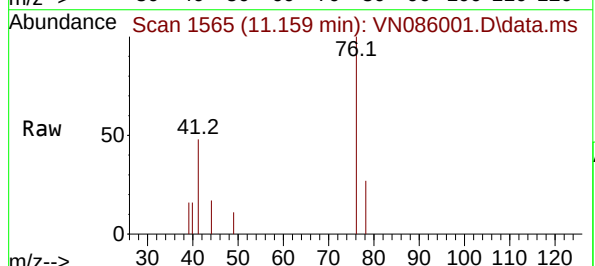
Manual Integrations
APPROVED

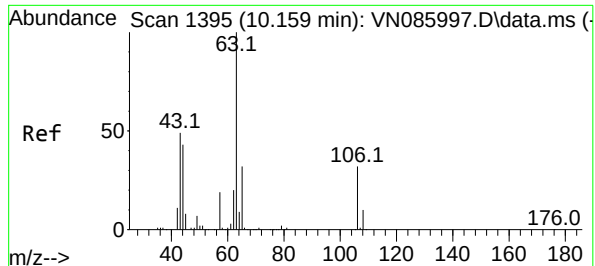
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#57
1,3-Dichloropropane
Concen: 0.960 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 76 Resp: 2752
Ion Ratio Lower Upper
76 100
78 29.9 25.8 38.6





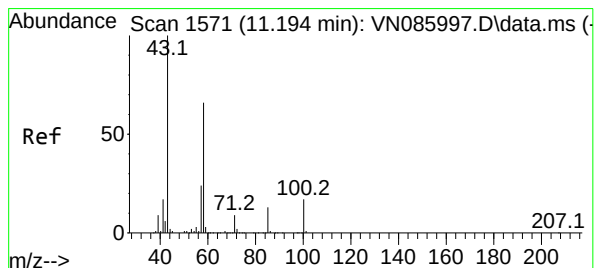
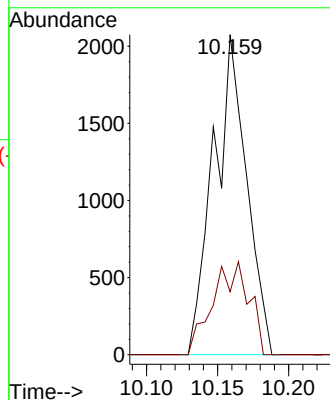
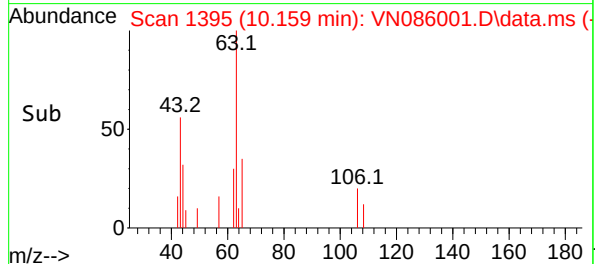
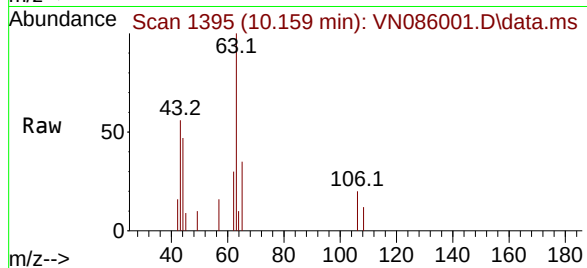
#58
2-Chloroethyl Vinyl ether
Concen: 7.514 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 335
Ion Ratio Lower Upper
63 100
106 31.8 25.0 37.6

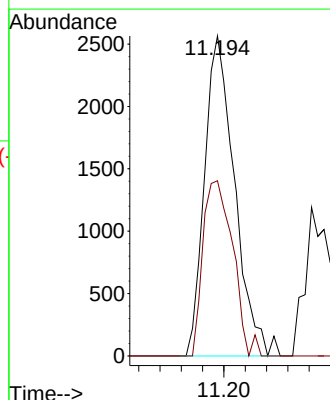
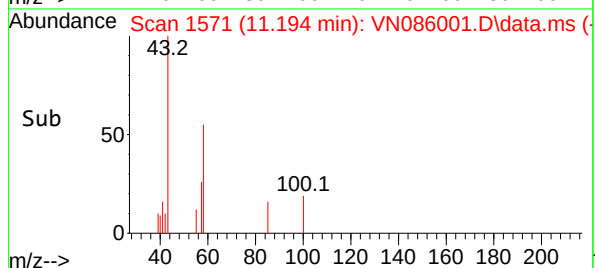
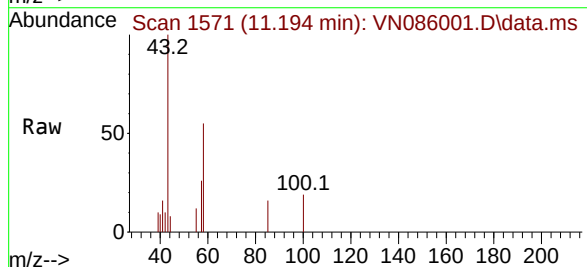
Manual Integrations
APPROVED

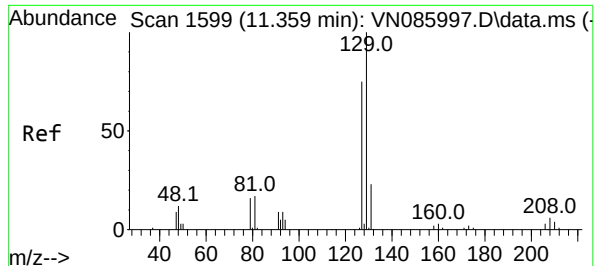
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#59
2-Hexanone
Concen: 3.734 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

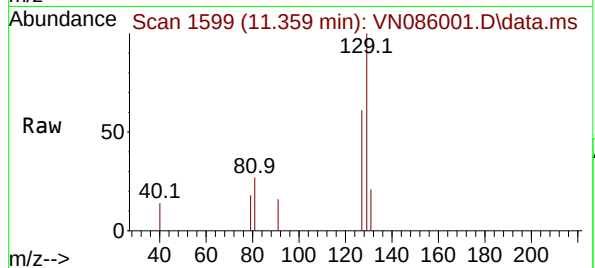
Tgt Ion: 43 Resp: 5032
Ion Ratio Lower Upper
43 100
58 54.2 32.4 97.2





#60
Dibromochloromethane
Concen: 0.954 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

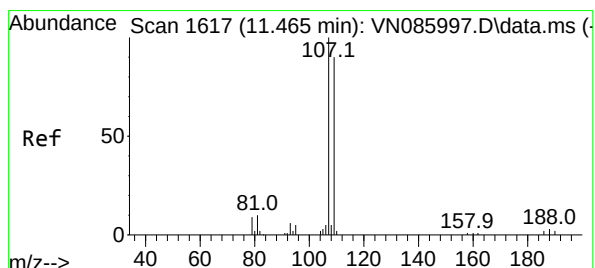
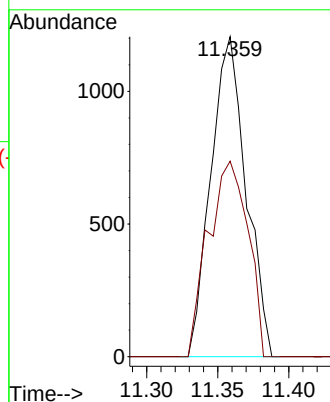
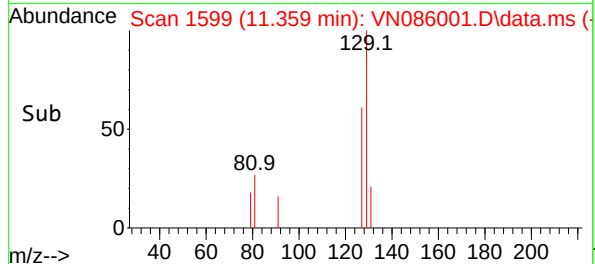
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



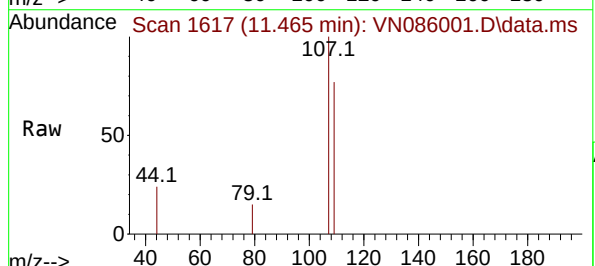
Tgt Ion:129 Resp: 207
Ion Ratio Lower Upper
129 100
127 69.0 37.8 113.4

Manual Integrations
APPROVED

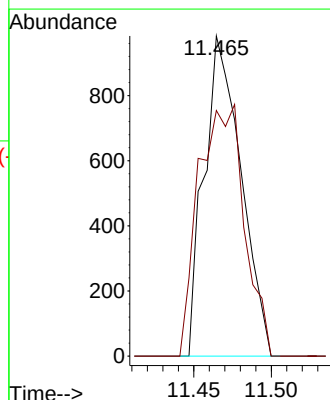
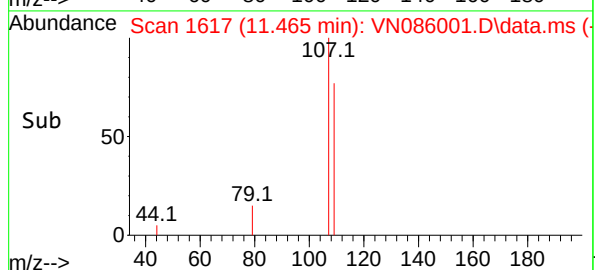
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

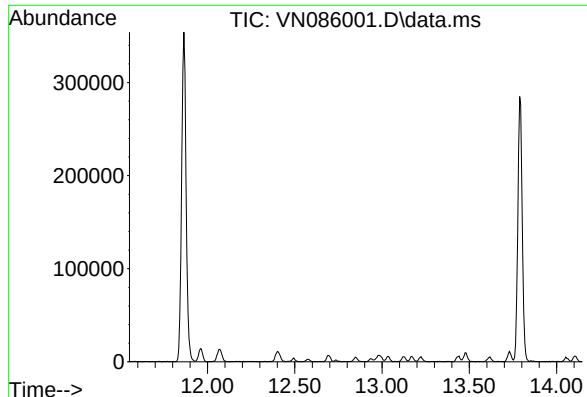


#61
1,2-Dibromoethane
Concen: 0.938 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09



Tgt Ion:107 Resp: 1624
Ion Ratio Lower Upper
107 100
109 97.2 73.3 109.9





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

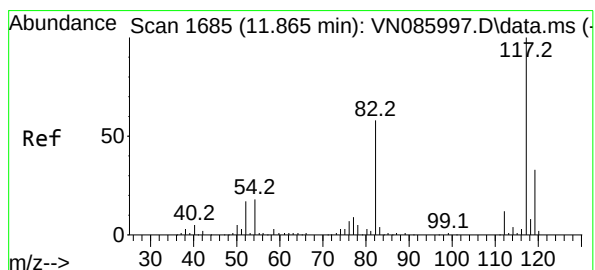
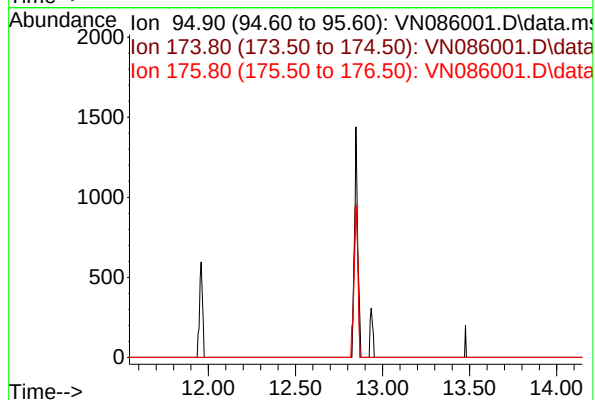
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Tgt Ion: 95
Sig Exp Ratio
95 100
174 78.4
176 76.1

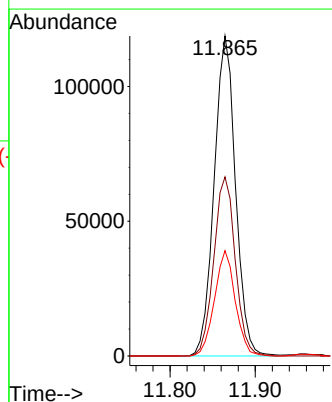
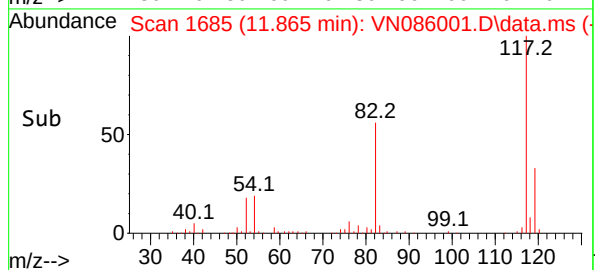
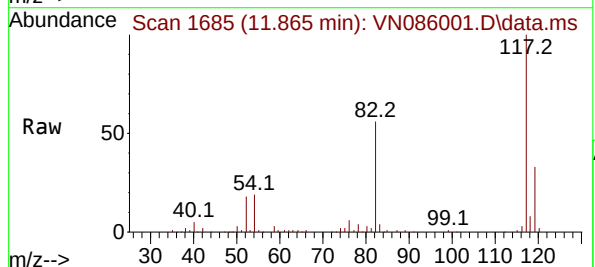
Manual Integrations
APPROVED

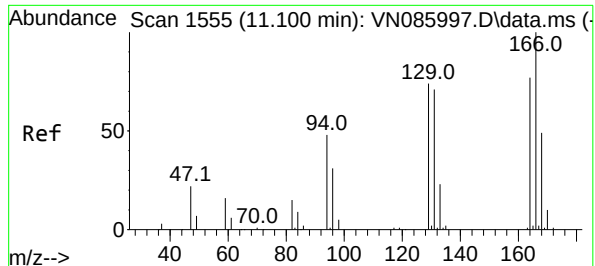
Reviewed By : John Carlone 03/19/2025
Supervised By : Mahesh Dadoda 03/19/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

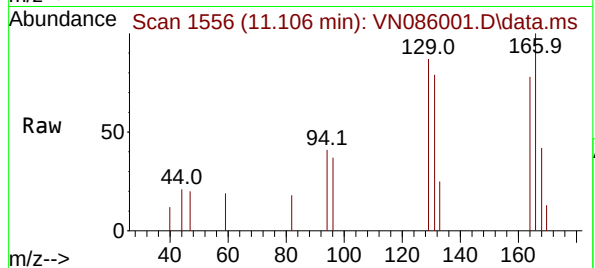
Tgt Ion: 117 Resp: 206893
Ion Ratio Lower Upper
117 100
82 56.0 46.7 70.1
119 32.9 26.5 39.7





#64
Tetrachloroethene
Concen: 1.086 ug/l
RT: 11.106 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

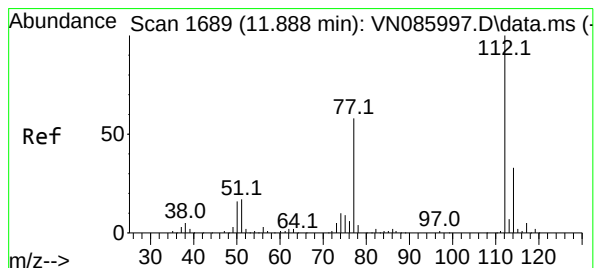
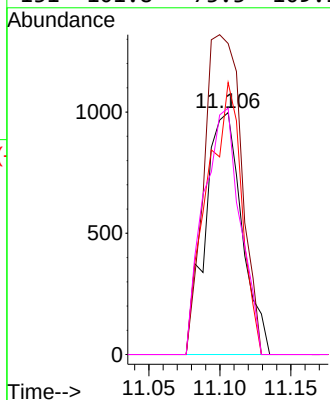
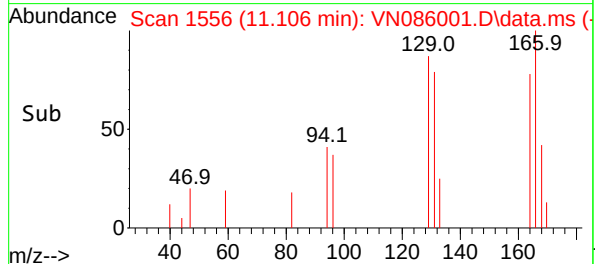
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



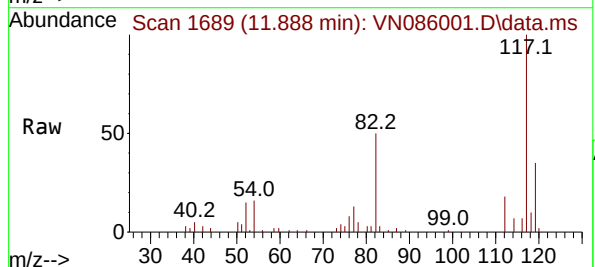
Tgt Ion:164 Resp: 1792
Ion Ratio Lower Upper
164 100
166 128.6 103.7 155.5
129 112.4 77.1 115.7
131 101.8 73.3 109.9

Manual Integrations
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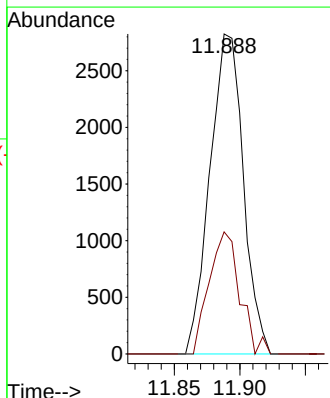
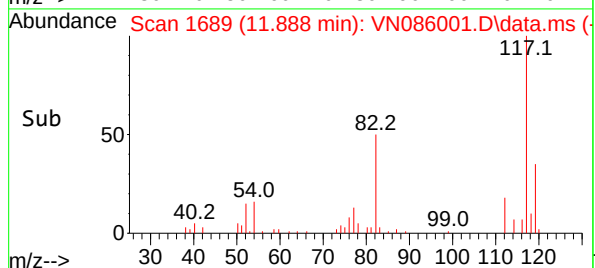
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

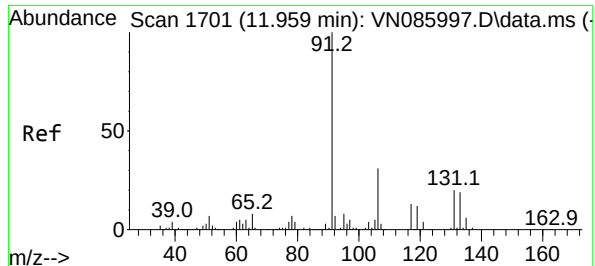


#65
Chlorobenzene
Concen: 1.056 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09



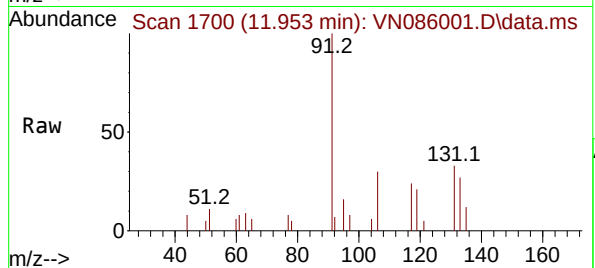
Tgt Ion:112 Resp: 5000
Ion Ratio Lower Upper
112 100
114 38.1 26.3 39.5





#66
1,1,1,2-Tetrachloroethane
Concen: 1.047 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

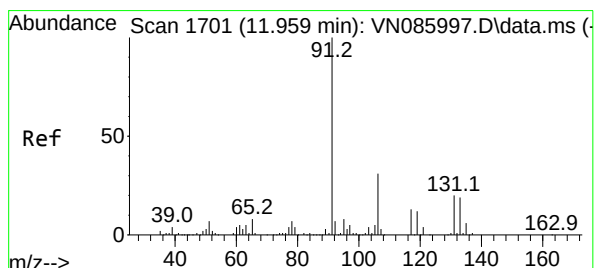
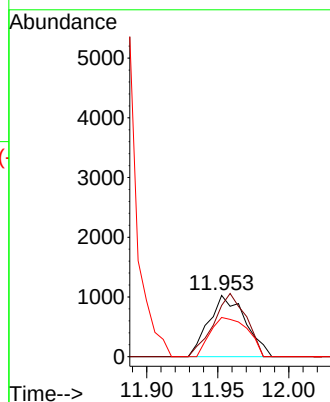
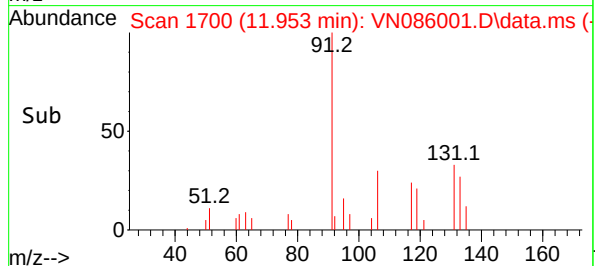
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



Tgt Ion:131 Resp: 184
Ion Ratio Lower Upper
131 100
133 91.5 47.0 141.0
119 0.0 31.4 94.0

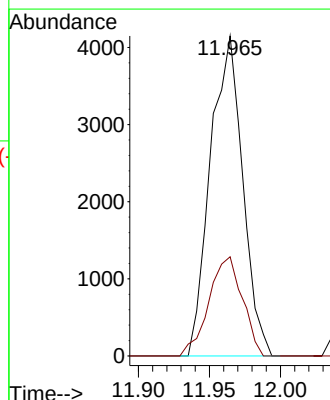
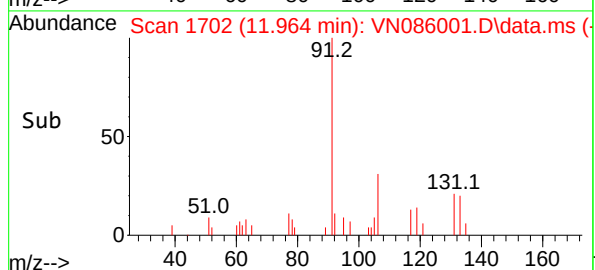
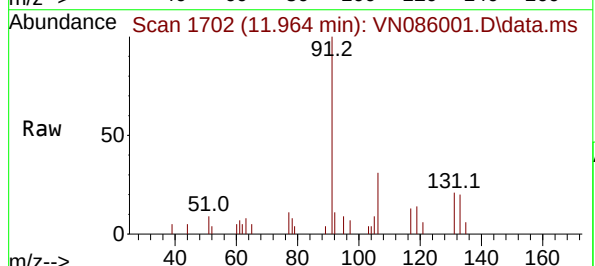
Manual Integrations
APPROVED

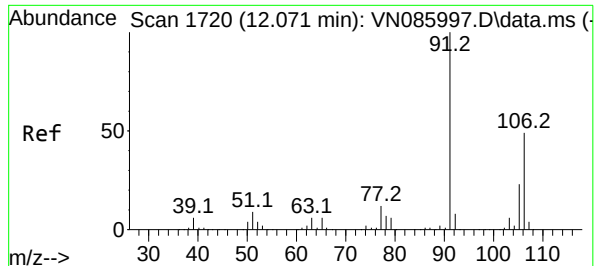
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#67
Ethyl Benzene
Concen: 0.866 ug/l
RT: 11.964 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion: 91 Resp: 6561
Ion Ratio Lower Upper
91 100
106 31.0 24.5 36.7





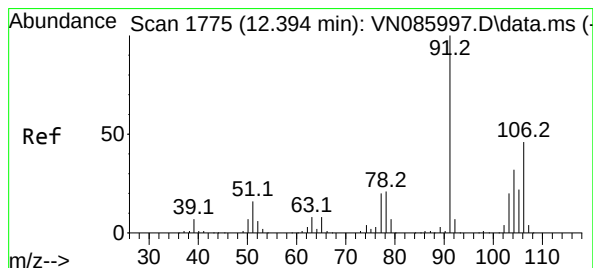
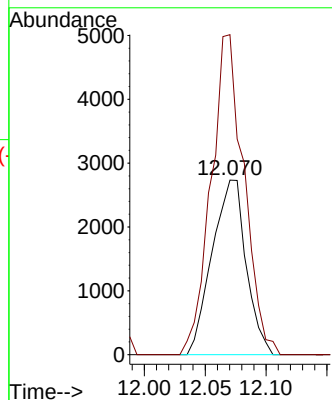
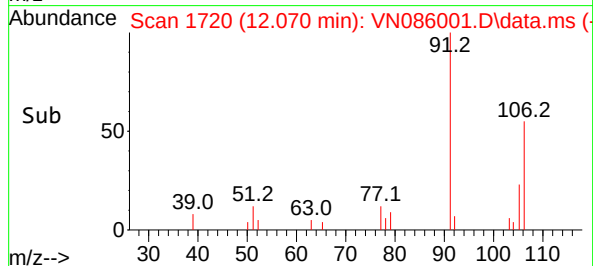
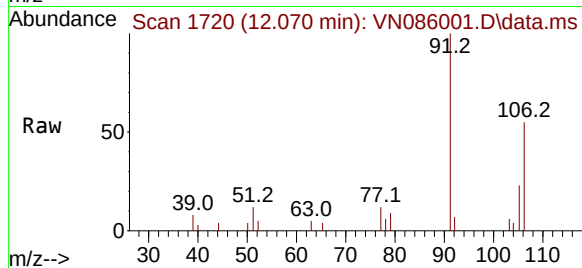
#68
m/p-Xylenes
Concen: 1.787 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 5319
Ion Ratio Lower Upper
106 100
91 177.4 163.9 245.9

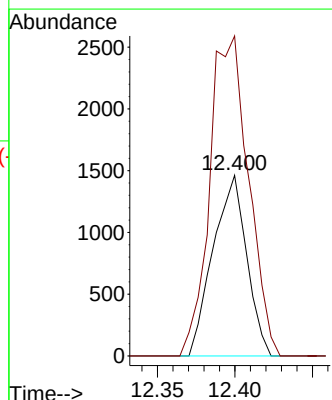
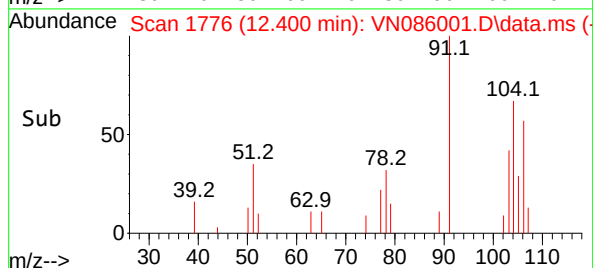
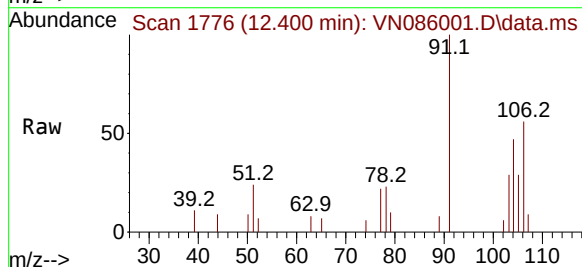
Manual Integrations
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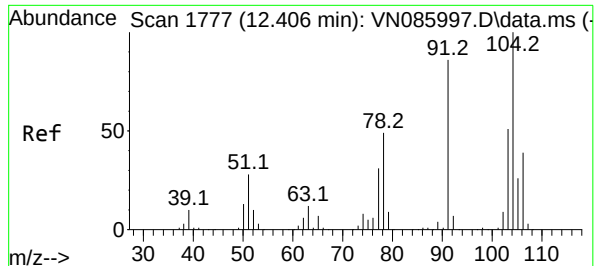
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#69
o-Xylene
Concen: 0.805 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion:106 Resp: 2200
Ion Ratio Lower Upper
106 100
91 205.0 109.1 327.2





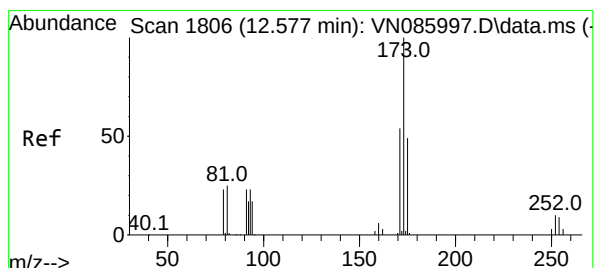
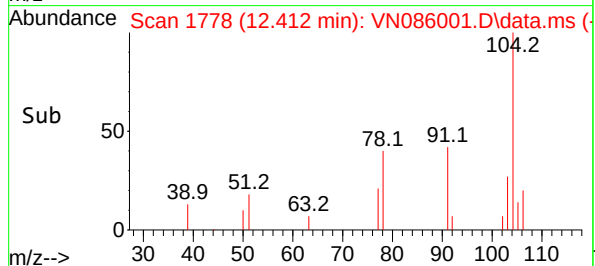
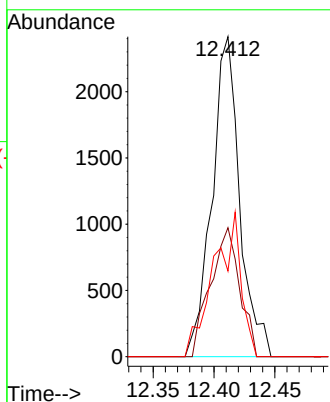
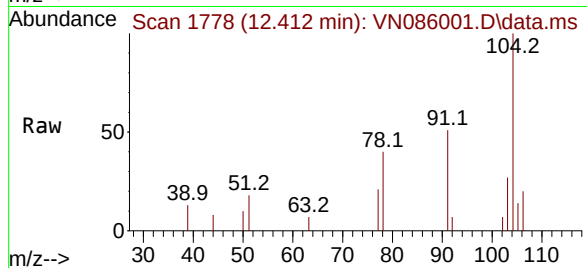
#70
Styrene
Concen: 0.819 ug/l
RT: 12.412 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:104 Resp: 382
Ion Ratio Lower Upper
104 100
78 42.7 41.4 62.2
103 44.5 42.9 64.3

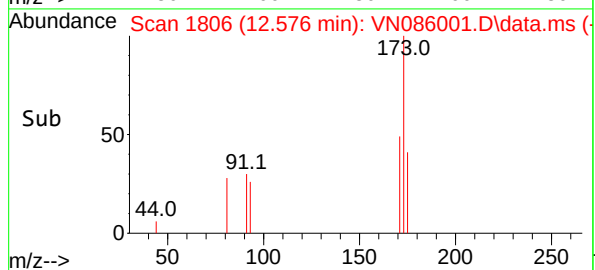
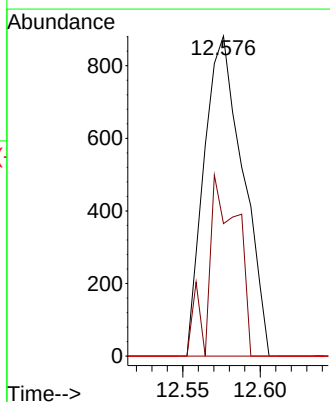
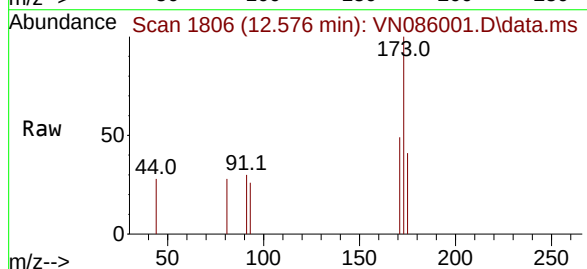
Manual Integrations
APPROVED

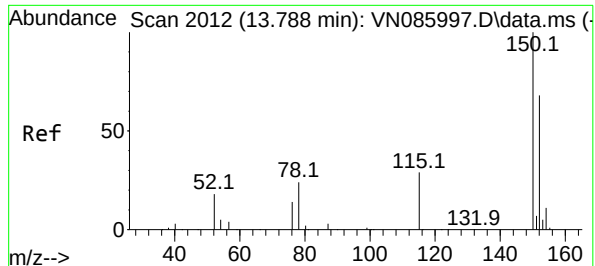
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#71
Bromoform
Concen: 1.044 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion:173 Resp: 1536
Ion Ratio Lower Upper
173 100
175 42.3 24.3 73.0
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:152 Resp: 8327

Ion Ratio Lower Upper

152 100

115 61.0 31.1 93.2

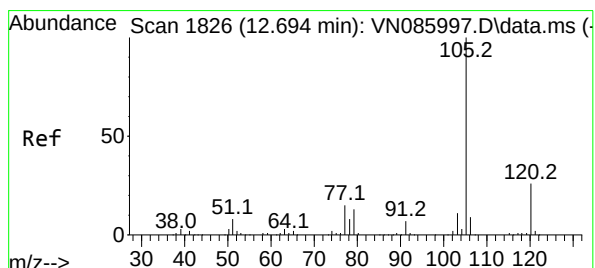
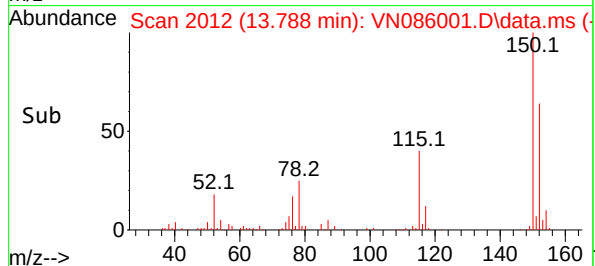
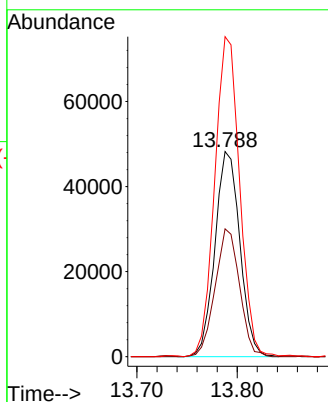
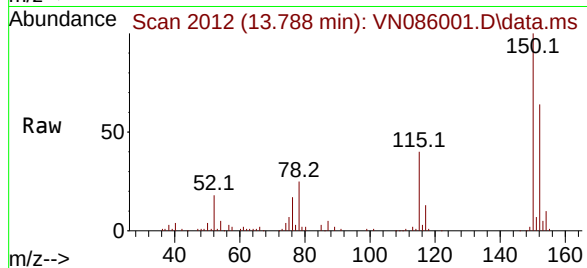
150 155.9 0.0 359.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#73

Isopropylbenzene

Concen: 0.890 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN086001.D

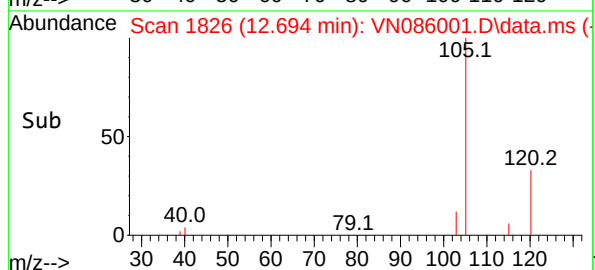
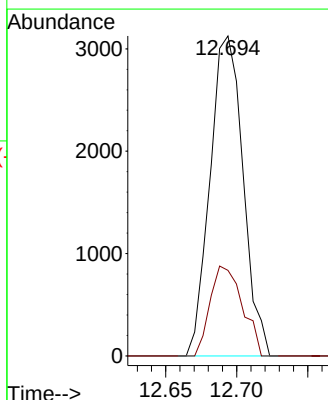
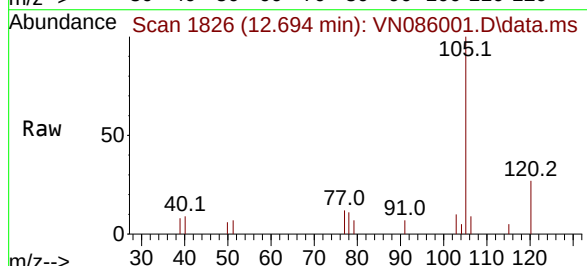
Acq: 18 Mar 2025 14:09

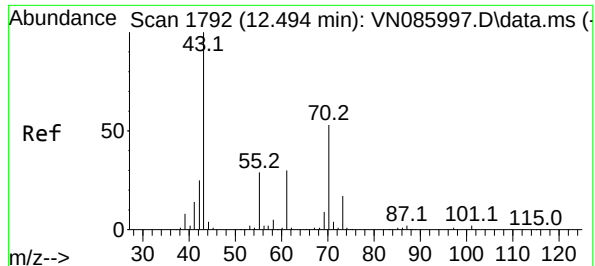
Tgt Ion:105 Resp: 5061

Ion Ratio Lower Upper

105 100

120 27.4 13.0 39.0





#74

N-amy1 acetate

Concen: 0.861 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 1639

Ion Ratio Lower Upper

43 100

70 53.4 43.0 64.4

55 22.5 23.8 35.8

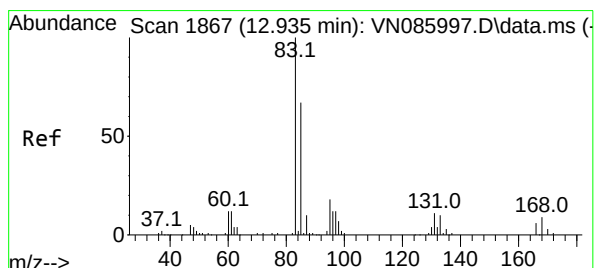
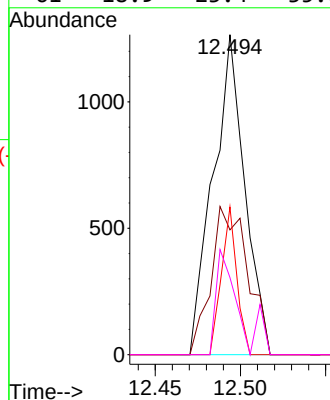
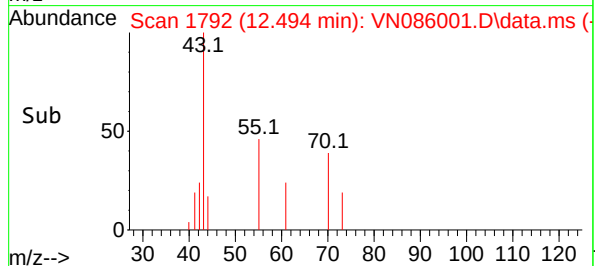
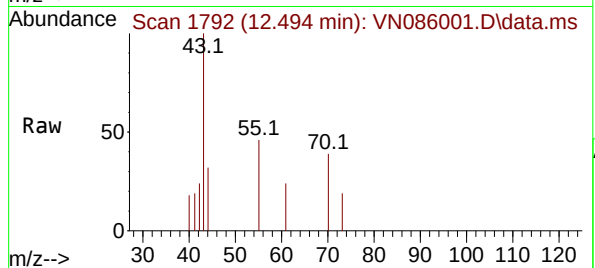
61 18.9 23.4 35.0#

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#75

1,1,2,2-Tetrachloroethane

Concen: 1.135 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

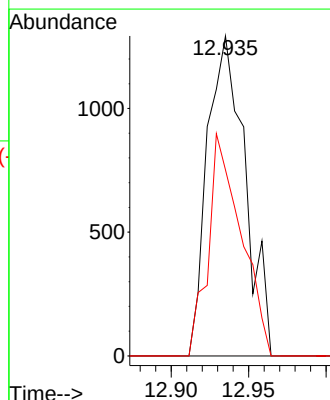
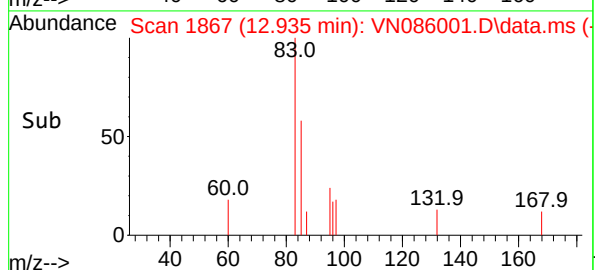
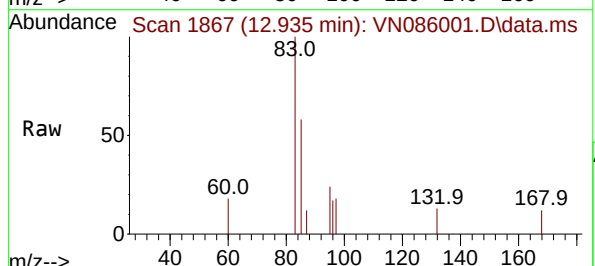
Tgt Ion: 83 Resp: 2184

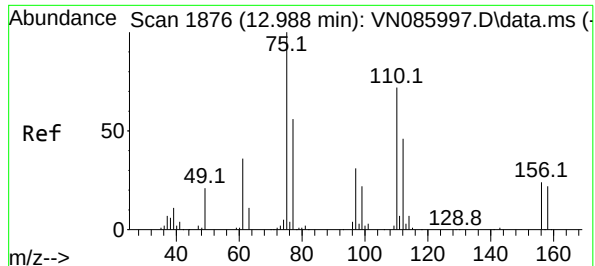
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.5#

85 60.7 32.6 97.8





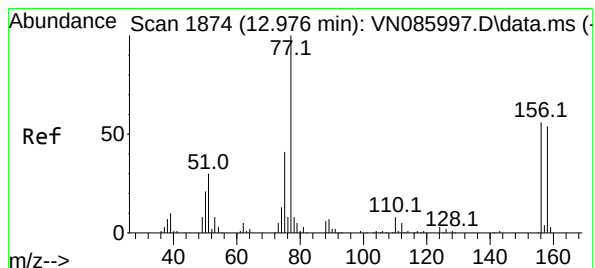
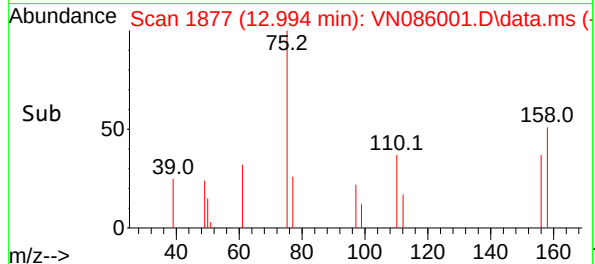
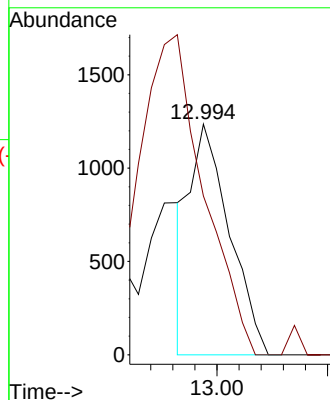
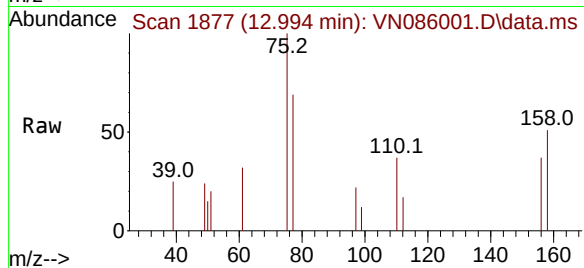
#76
1,2,3-Trichloropropane
Concen: 0.812 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 154
Ion Ratio Lower Upper
75 100
77 228.0 83.7 251.0

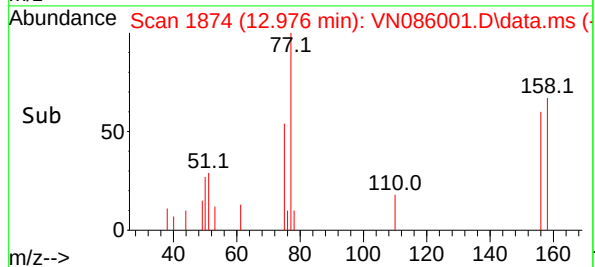
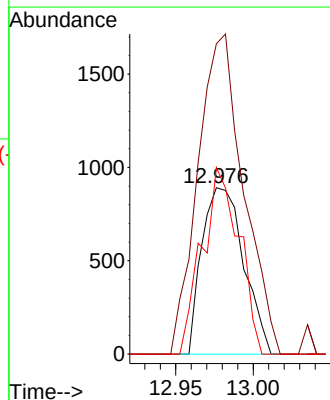
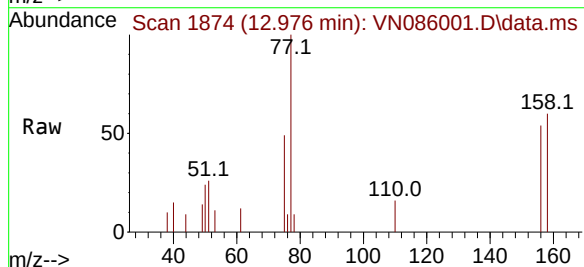
Manual Integrations
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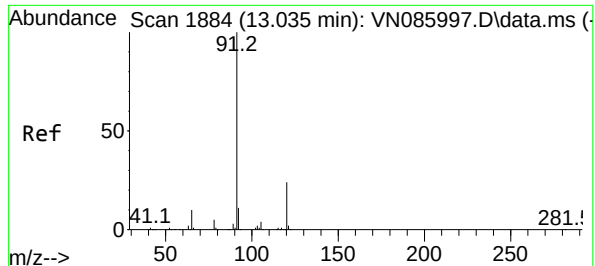
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#77
Bromobenzene
Concen: 1.051 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

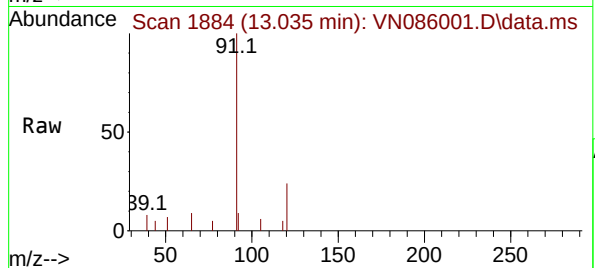
Tgt Ion:156 Resp: 1666
Ion Ratio Lower Upper
156 100
77 210.9 104.1 312.3
158 99.8 49.0 147.0





#78
n-propylbenzene
Concen: 0.814 ug/l
RT: 13.035 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

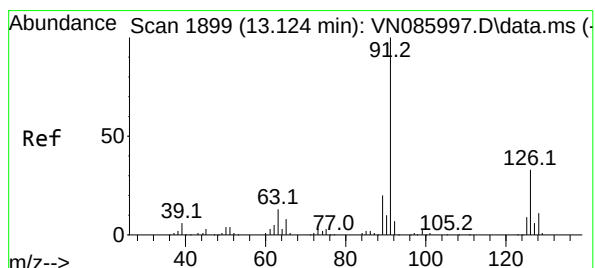
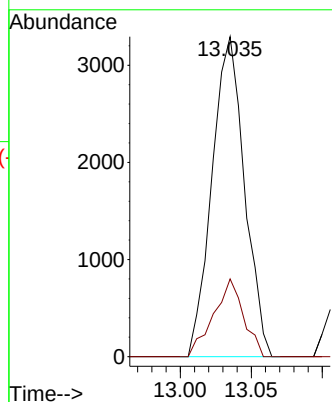
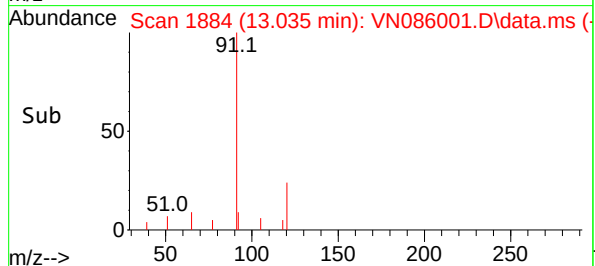
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001



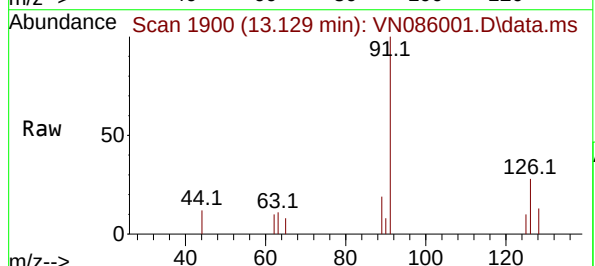
Tgt Ion: 91 Resp: 524
Ion Ratio Lower Upper
91 100
120 22.4 11.7 35.0

Manual Integrations
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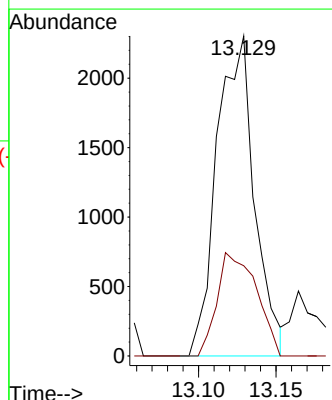
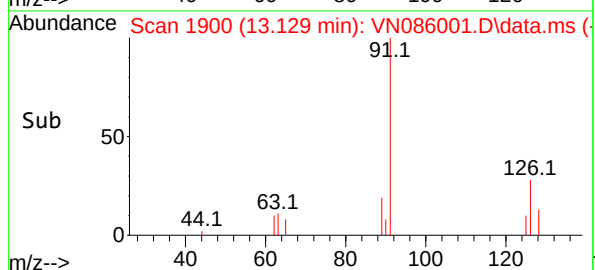
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

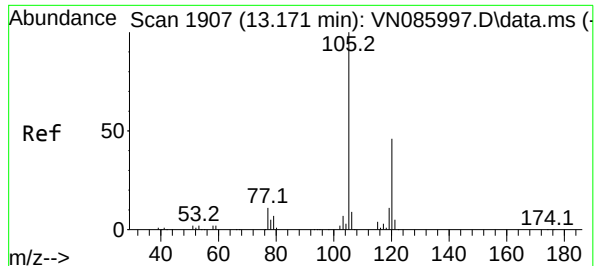


#79
2-Chlorotoluene
Concen: 0.909 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09



Tgt Ion: 91 Resp: 3888
Ion Ratio Lower Upper
91 100
126 33.7 16.4 49.2





#80

1,3,5-Trimethylbenzene

Concen: 0.830 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 3984

Ion Ratio Lower Upper

105 100

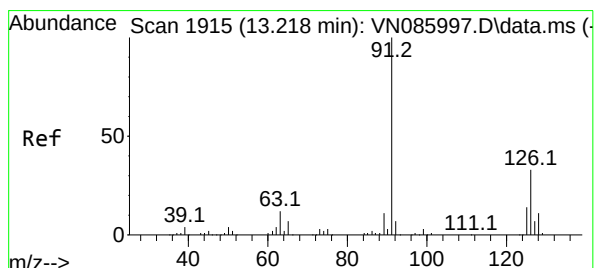
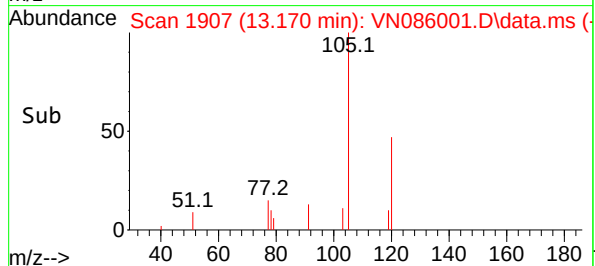
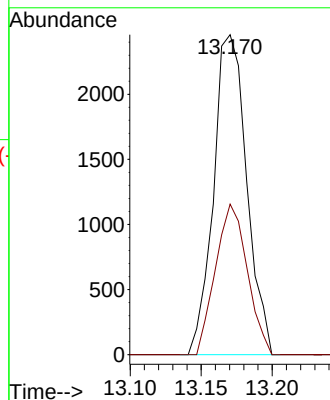
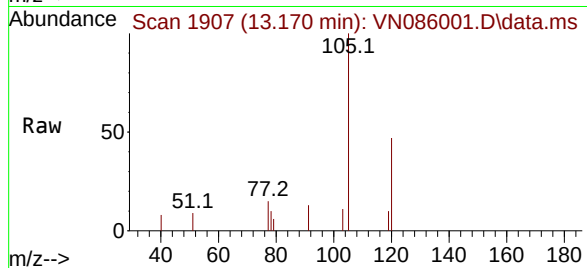
120 45.1 23.7 71.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#82

4-Chlorotoluene

Concen: 0.925 ug/l

RT: 13.223 min Scan# 1916

Delta R.T. 0.006 min

Lab File: VN086001.D

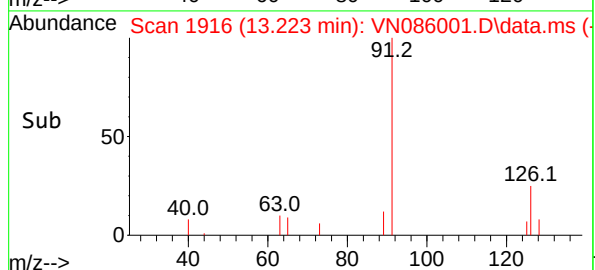
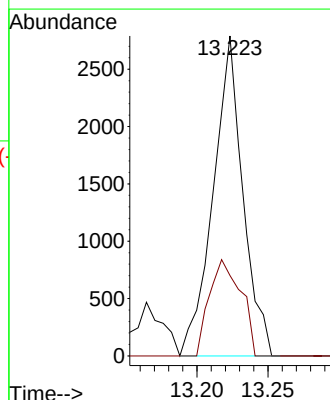
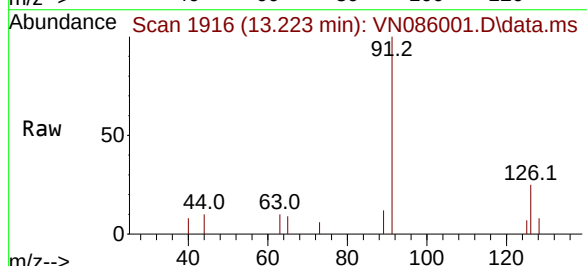
Acq: 18 Mar 2025 14:09

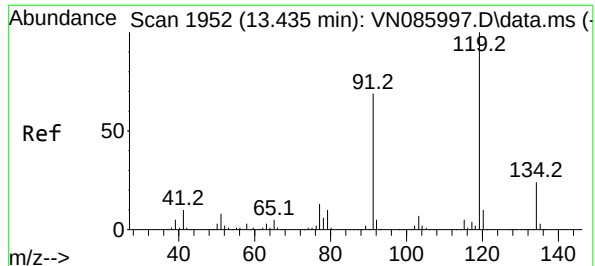
Tgt Ion: 91 Resp: 4068

Ion Ratio Lower Upper

91 100

126 32.0 16.1 48.2





#83

tert-Butylbenzene

Concen: 0.965 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

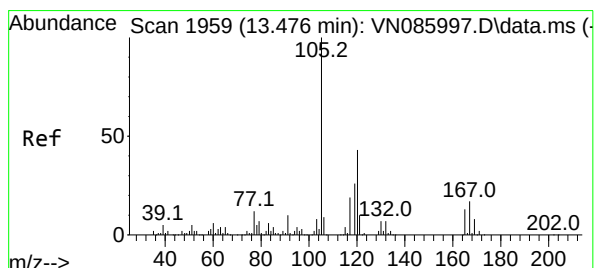
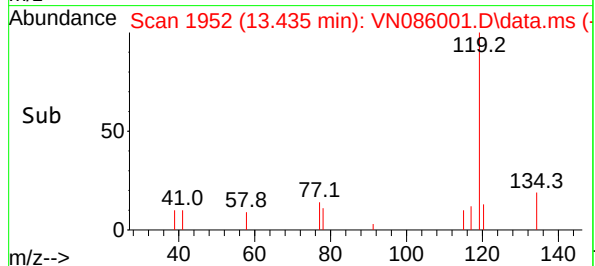
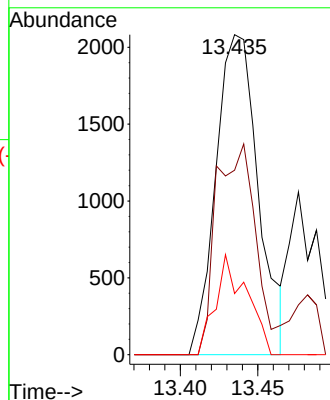
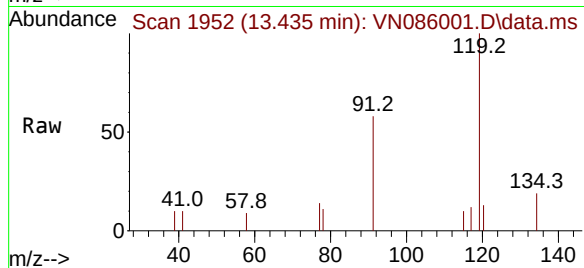
Tgt Ion:	119	Resp:	396
Ion	Ratio	Lower	Upper
119	100		
91	62.0	34.3	102.9
134	23.1	13.5	40.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#84

1,2,4-Trimethylbenzene

Concen: 0.801 ug/l

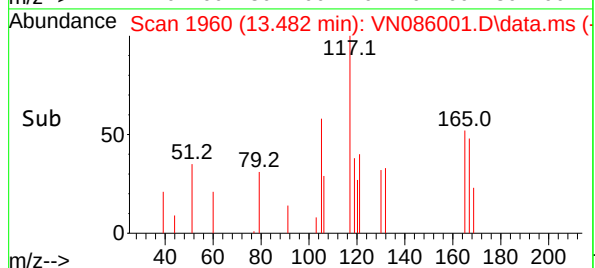
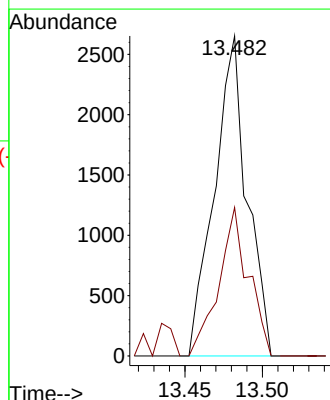
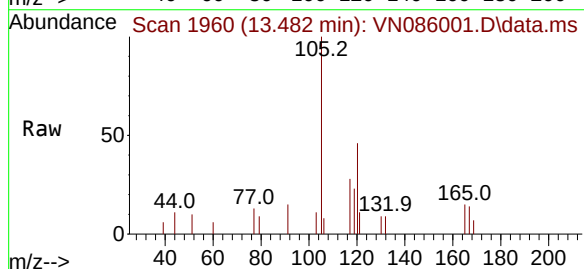
RT: 13.482 min Scan# 1960

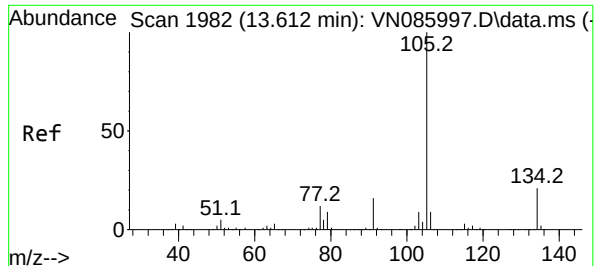
Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion:	105	Resp:	3881
Ion	Ratio	Lower	Upper
105	100		
120	42.2	21.9	65.8





#85

sec-Butylbenzene

Concen: 0.753 ug/l

RT: 13.617 min Scan# 1982

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 4039

Ion Ratio Lower Upper

105 100

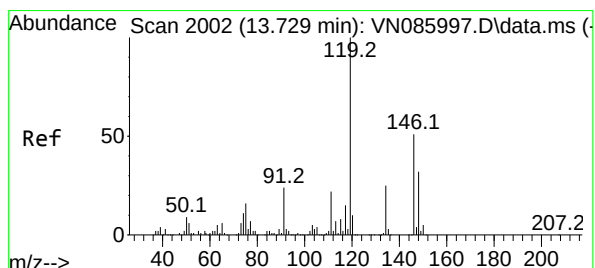
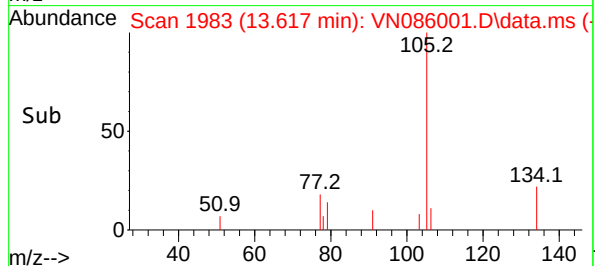
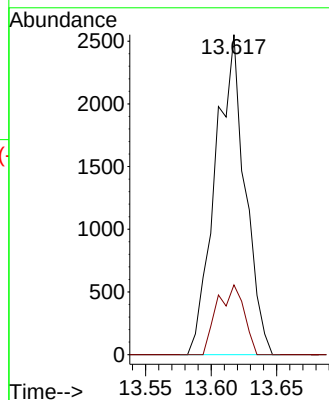
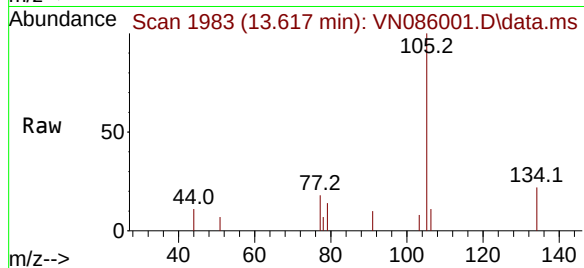
134 19.7 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#86

p-Isopropyltoluene

Concen: 0.767 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

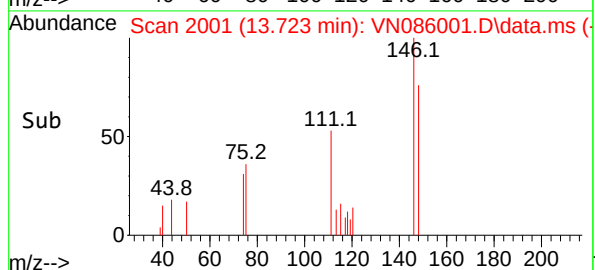
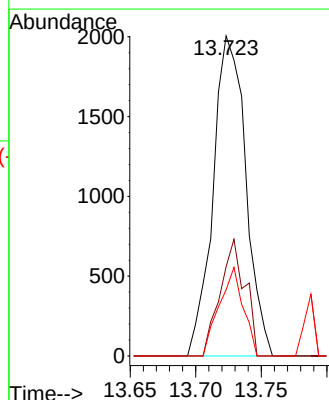
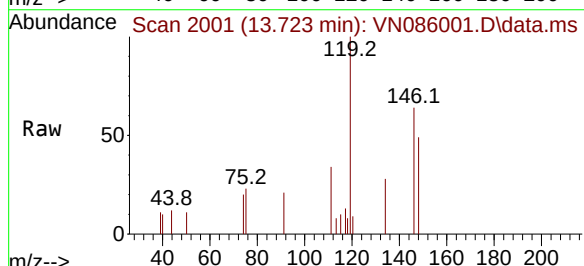
Tgt Ion:119 Resp: 3477

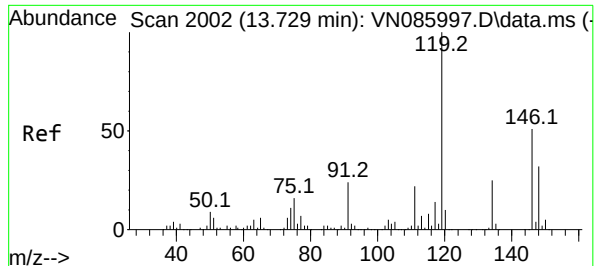
Ion Ratio Lower Upper

119 100

134 27.7 12.6 37.8

91 20.2 12.3 36.8





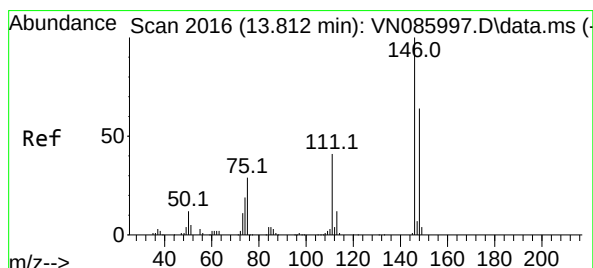
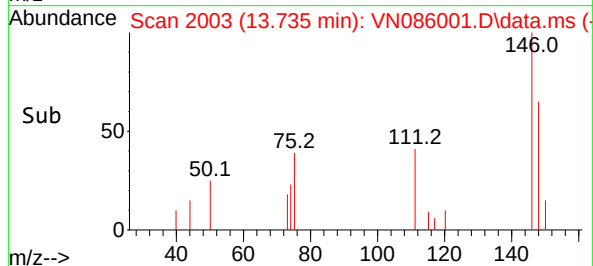
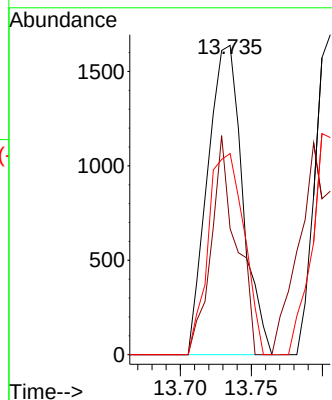
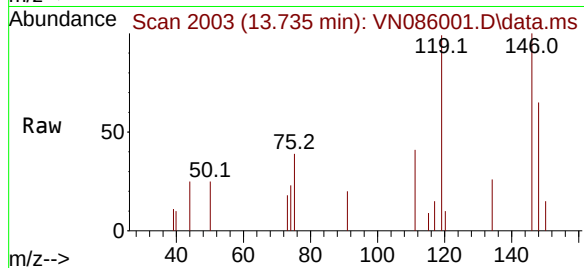
#87
1,3-Dichlorobenzene
Concen: 0.984 ug/l
RT: 13.735 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:146 Resp: 281
Ion Ratio Lower Upper
146 100
111 50.4 21.2 63.6
148 66.9 31.8 95.4

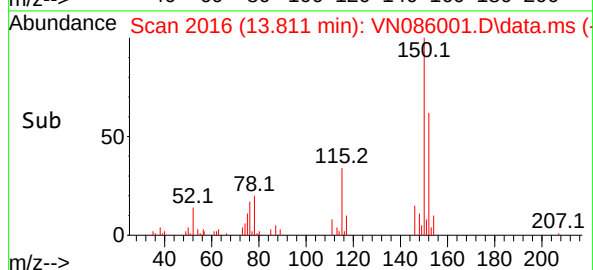
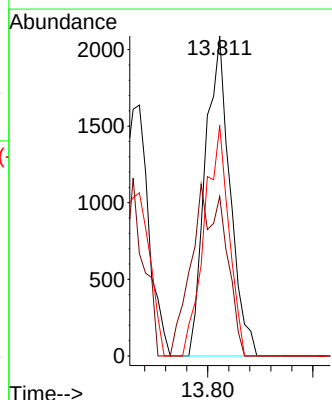
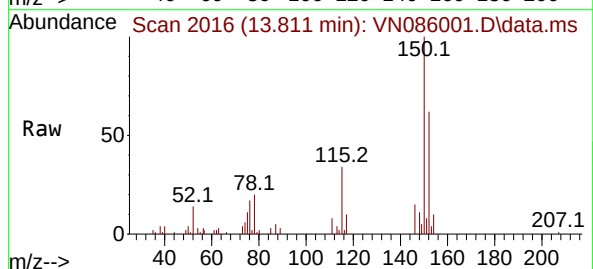
Manual Integrations
APPROVED

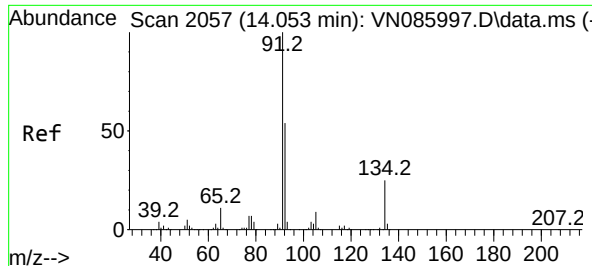
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#88
1,4-Dichlorobenzene
Concen: 1.133 ug/l m
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

Tgt Ion:146 Resp: 3403
Ion Ratio Lower Upper
146 100
111 41.7 20.4 61.3
148 55.3 32.1 96.5





#89

n-Butylbenzene

Concen: 0.846 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

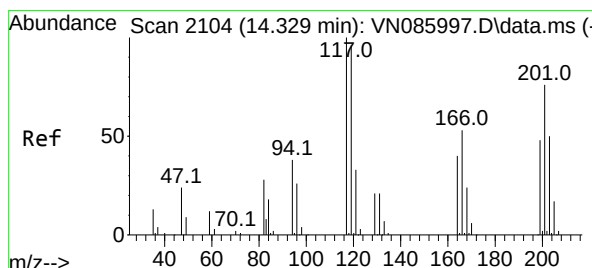
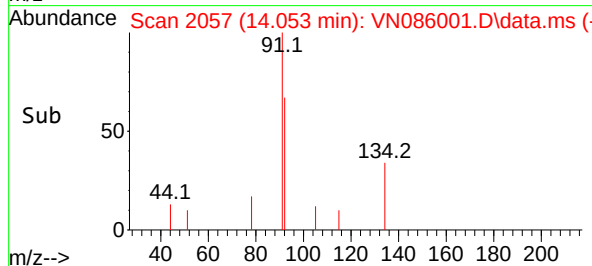
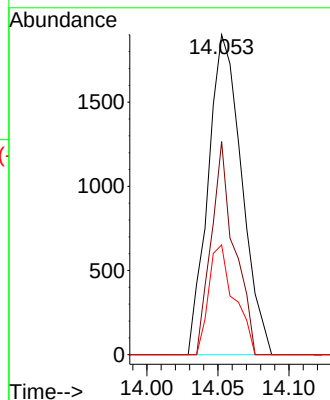
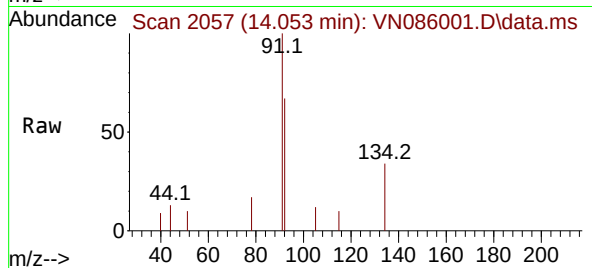
Tgt Ion:	91	Resp:	3124
Ion	Ratio	Lower	Upper
91	100		
92	46.0	26.9	80.6
134	26.3	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#90

Hexachloroethane

Concen: 1.220 ug/l

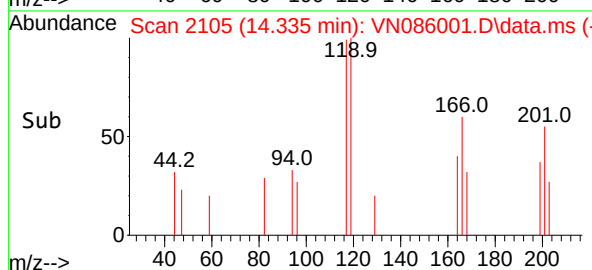
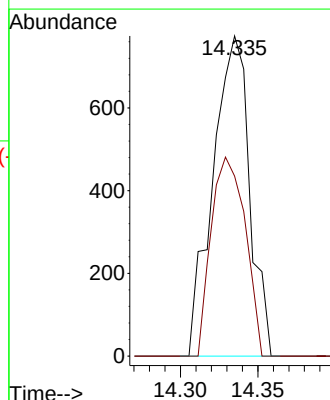
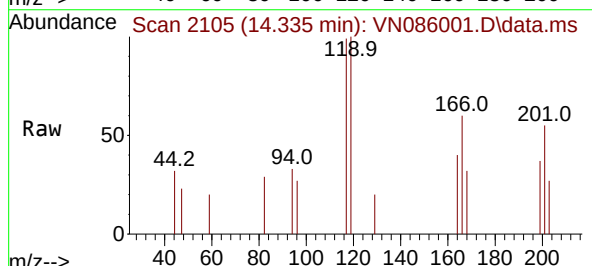
RT: 14.335 min Scan# 2105

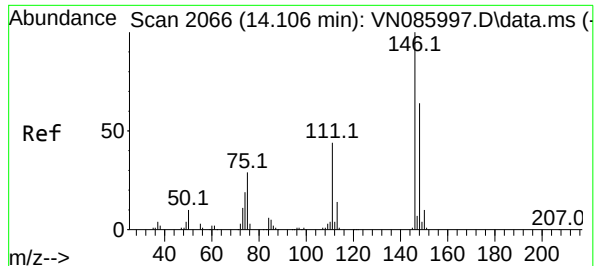
Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Tgt Ion:	117	Resp:	1276
Ion	Ratio	Lower	Upper
117	100		
201	57.6	39.1	117.3





#91

1,2-Dichlorobenzene

Concen: 1.174 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:146 Resp: 333

Ion Ratio Lower Upper

146 100

111 43.8 22.3 66.8

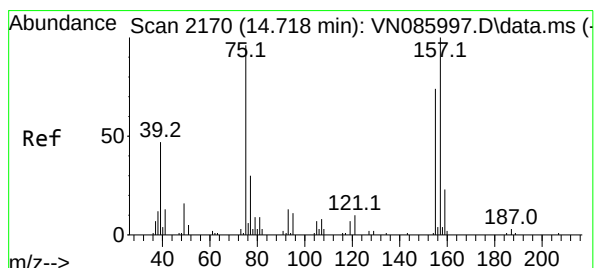
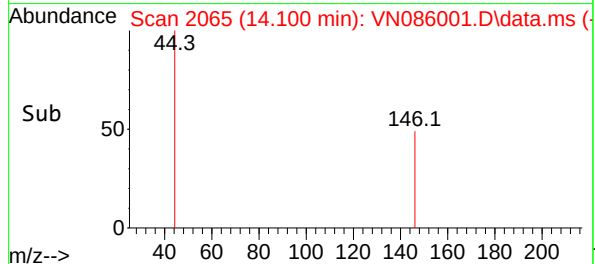
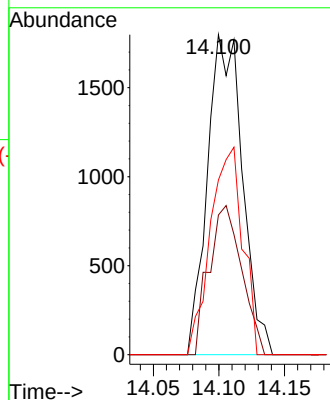
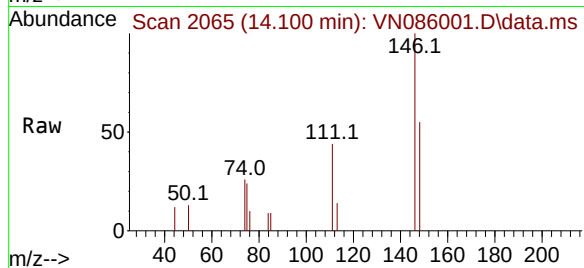
148 59.7 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.831 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

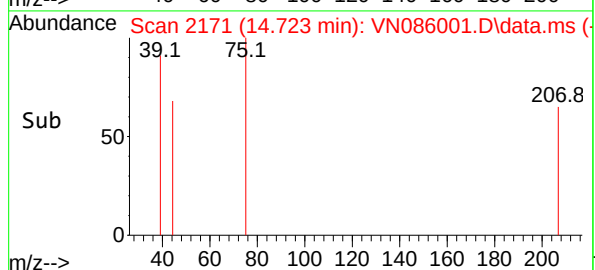
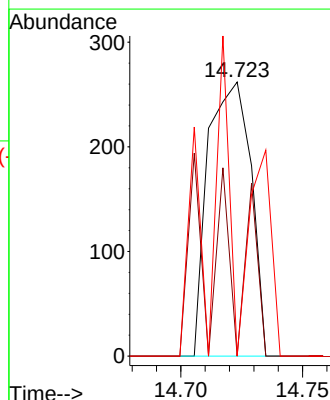
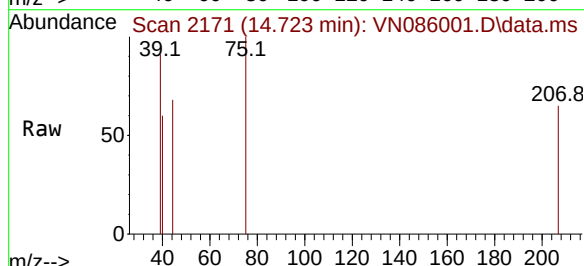
Tgt Ion: 75 Resp: 319

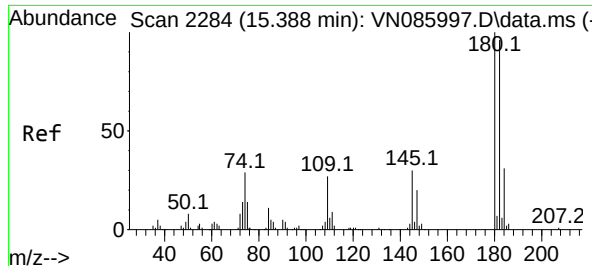
Ion Ratio Lower Upper

75 100

155 0.0 41.0 123.0#

157 33.9 53.7 161.1#





#93

1,2,4-Trichlorobenzene

Concen: 1.048 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:180 Resp: 149

Ion Ratio Lower Upper

180 100

182 89.6 47.0 141.0

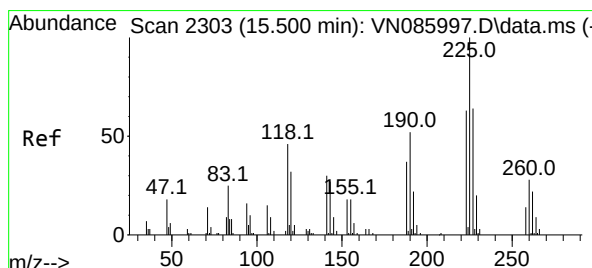
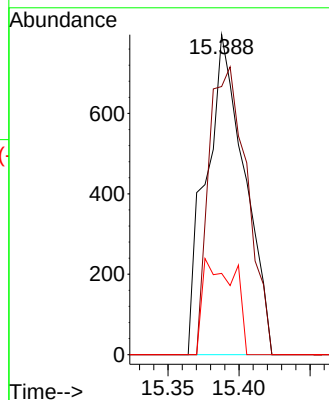
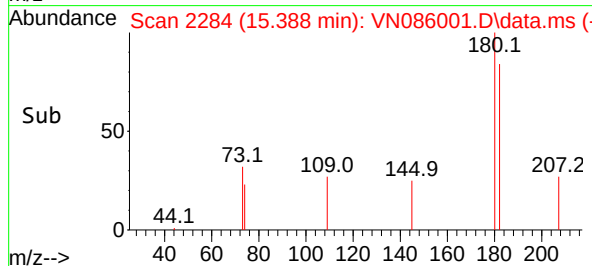
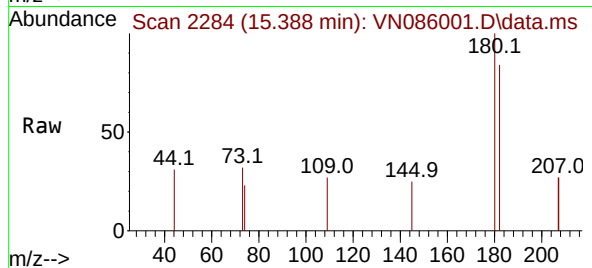
145 24.4 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#94

Hexachlorobutadiene

Concen: 1.164 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN086001.D

Acq: 18 Mar 2025 14:09

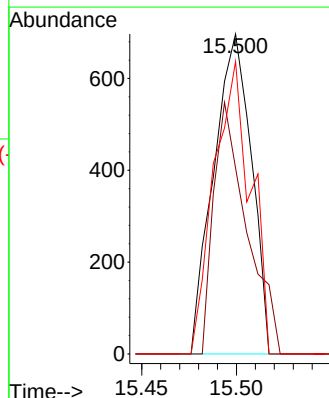
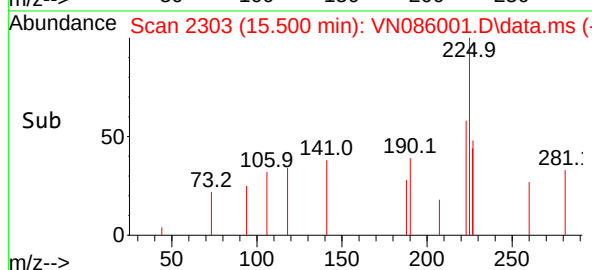
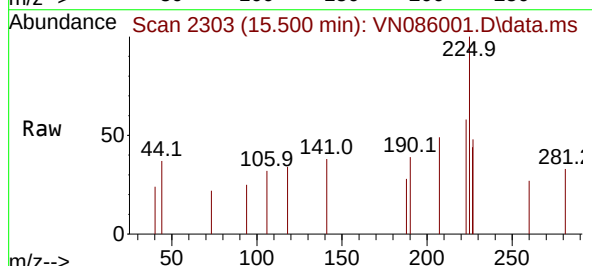
Tgt Ion:225 Resp: 965

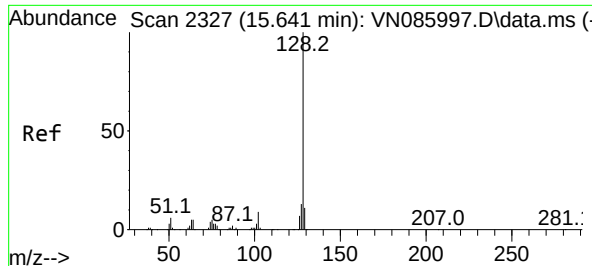
Ion Ratio Lower Upper

225 100

223 69.1 31.3 93.9

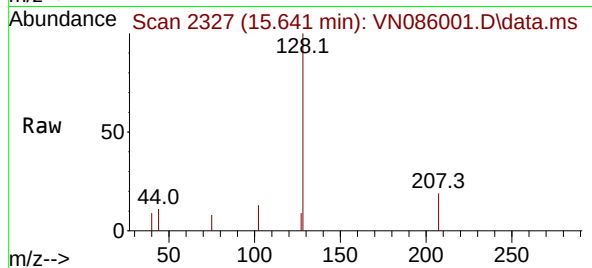
227 88.8 32.1 96.3





#95
Naphthalene
Concen: 1.006 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09

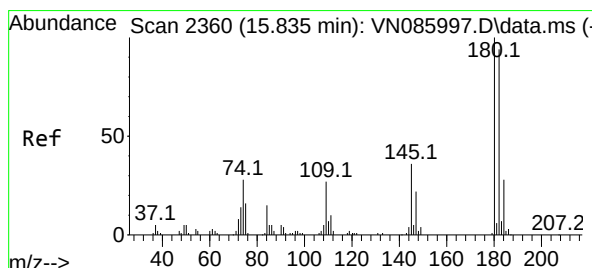
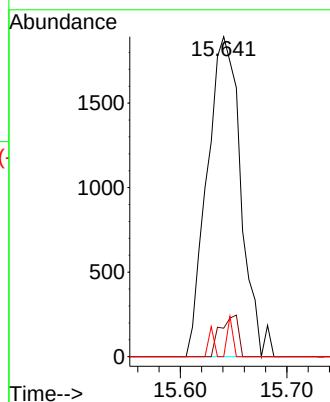
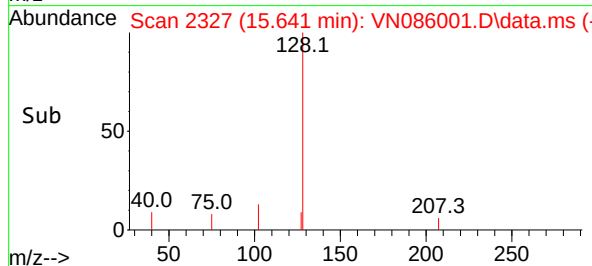
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001



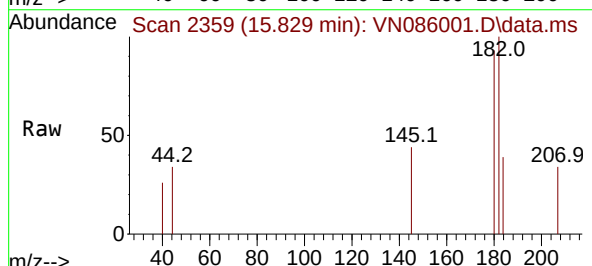
Tgt Ion:128 Resp: 4162
Ion Ratio Lower Upper
128 100
127 6.9 10.2 15.4
129 2.0 9.0 13.6

Manual Integrations
APPROVED

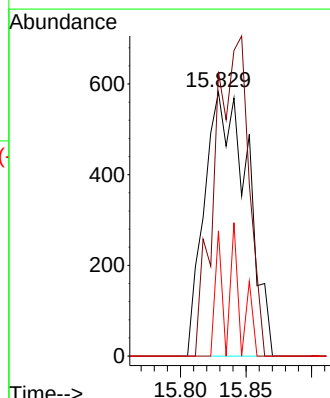
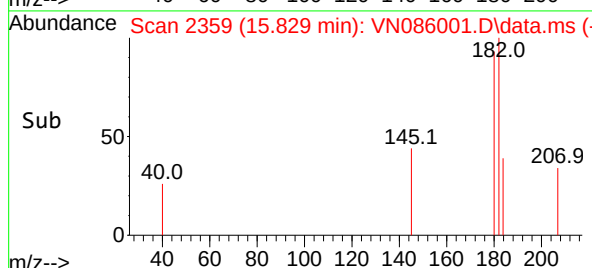
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.980 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.006 min
Lab File: VN086001.D
Acq: 18 Mar 2025 14:09



Tgt Ion:180 Resp: 1329
Ion Ratio Lower Upper
180 100
182 94.1 47.5 142.5
145 7.3 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	185181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	294426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	272136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125581	49.524	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.040%		
35) Dibromofluoromethane	8.165	113	100012	48.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.340%		
50) Toluene-d8	10.565	98	385868	51.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.480%		
62) 4-Bromofluorobenzene	12.847	95	141589	53.231	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	106.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	137956	56.232	ug/l	99
3) Chloromethane	2.359	50	112934	52.508	ug/l	99
4) Vinyl Chloride	2.512	62	123086	55.971	ug/l	98
5) Bromomethane	2.948	94	77255	51.574	ug/l	97
6) Chloroethane	3.112	64	70967	51.154	ug/l	90
7) Trichlorofluoromethane	3.495	101	209962	53.112	ug/l	97
8) Diethyl Ether	3.953	74	68372	56.496	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	111303	52.975	ug/l	100
10) Methyl Iodide	4.583	142	155175	56.682	ug/l	94
11) Tert butyl alcohol	5.512	59	85582	238.378	ug/l	99
12) 1,1-Dichloroethene	4.336	96	108747	57.321	ug/l	97
13) Acrolein	4.177	56	104529	272.978	ug/l	100
14) Allyl chloride	5.012	41	133855	56.555	ug/l	98
15) Acrylonitrile	5.712	53	246595	260.076	ug/l	98
16) Acetone	4.418	43	183647	237.056	ug/l	98
17) Carbon Disulfide	4.712	76	317235	50.845	ug/l	98
18) Methyl Acetate	5.012	43	95164	49.649	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	363920	58.538	ug/l	97
20) Methylene Chloride	5.271	84	121113	53.440	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	115247	55.586	ug/l	97
22) Diisopropyl ether	6.665	45	300680	59.615	ug/l	97
23) Vinyl Acetate	6.600	43	1129550	295.428	ug/l	100
24) 1,1-Dichloroethane	6.565	63	203556	54.884	ug/l	99
25) 2-Butanone	7.477	43	283608	253.710	ug/l	99
26) 2,2-Dichloropropane	7.483	77	198771	55.667	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	134668	57.158	ug/l	98
28) Bromochloromethane	7.812	49	68612	43.664	ug/l	98
29) Tetrahydrofuran	7.836	42	185823	269.263	ug/l	99
30) Chloroform	7.959	83	222991	54.394	ug/l	99
31) Cyclohexane	8.253	56	172895	54.721	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	215524	55.539	ug/l	98
36) 1,1-Dichloropropene	8.371	75	155704	57.540	ug/l	100
37) Ethyl Acetate	7.559	43	115871	50.756	ug/l	97
38) Carbon Tetrachloride	8.359	117	201085	56.517	ug/l	95
39) Methylcyclohexane	9.600	83	163279	60.818	ug/l	98
40) Benzene	8.600	78	483089	56.869	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	63723	58.457	ug/l	94
42) 1,2-Dichloroethane	8.665	62	162271	54.822	ug/l	100
43) Isopropyl Acetate	8.683	43	203943	41.226	ug/l	99
44) Trichloroethene	9.347	130	117248	53.255	ug/l	96
45) 1,2-Dichloropropane	9.618	63	111560	57.740	ug/l	97
46) Dibromomethane	9.706	93	85108	56.012	ug/l	98
47) Bromodichloromethane	9.882	83	177051	55.753	ug/l	95
48) Methyl methacrylate	9.677	41	94275	57.751	ug/l	98
49) 1,4-Dioxane	9.688	88	40821	1057.815	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	607531	278.467	ug/l	99
52) Toluene	10.629	92	314632	60.348	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	184084	59.689	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	194976	59.921	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	111563	56.064	ug/l	97
56) Ethyl methacrylate	10.871	69	174971	55.208	ug/l	99
57) 1,3-Dichloropropane	11.159	76	194964	57.684	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	382073	306.978	ug/l	99
59) 2-Hexanone	11.194	43	448560	282.228	ug/l	98
60) Dibromochloromethane	11.353	129	147588	57.477	ug/l	98
61) 1,2-Dibromoethane	11.465	107	117559	57.545	ug/l	99
64) Tetrachloroethene	11.100	164	114717	52.844	ug/l	97
65) Chlorobenzene	11.888	112	334921	53.783	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	126196	54.515	ug/l	98
67) Ethyl Benzene	11.959	91	593609	59.592	ug/l	99
68) m/p-Xylenes	12.065	106	472258	120.622	ug/l	99
69) o-Xylene	12.394	106	223040	62.069	ug/l	100
70) Styrene	12.406	104	378434	61.658	ug/l	99
71) Bromoform	12.576	173	103943	53.714	ug/l #	99
73) Isopropylbenzene	12.694	105	562565	58.664	ug/l	100
74) N-amyl acetate	12.488	43	182359	56.839	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	160871	49.586	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	153873m	48.944	ug/l	
77) Bromobenzene	12.976	156	142234	53.193	ug/l	98
78) n-propylbenzene	13.035	91	660295	60.807	ug/l	100
79) 2-Chlorotoluene	13.123	91	414442	57.461	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	491547	60.712	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	68481	57.589	ug/l	93
82) 4-Chlorotoluene	13.218	91	422016	56.898	ug/l	99
83) tert-Butylbenzene	13.435	119	405831	58.608	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	503636	61.674	ug/l	99
85) sec-Butylbenzene	13.612	105	567954	62.874	ug/l	99
86) p-Isopropyltoluene	13.723	119	488020	63.821	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	267129	55.423	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	262223	51.782	ug/l	99
89) n-Butylbenzene	14.053	91	393994	63.272	ug/l	99
90) Hexachloroethane	14.329	117	93033	52.727	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	254035	53.019	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33218	51.293	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	131782	54.700	ug/l	98
94) Hexachlorobutadiene	15.494	225	70418	50.380	ug/l	99
95) Naphthalene	15.635	128	378782	54.297	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	127760	55.887	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

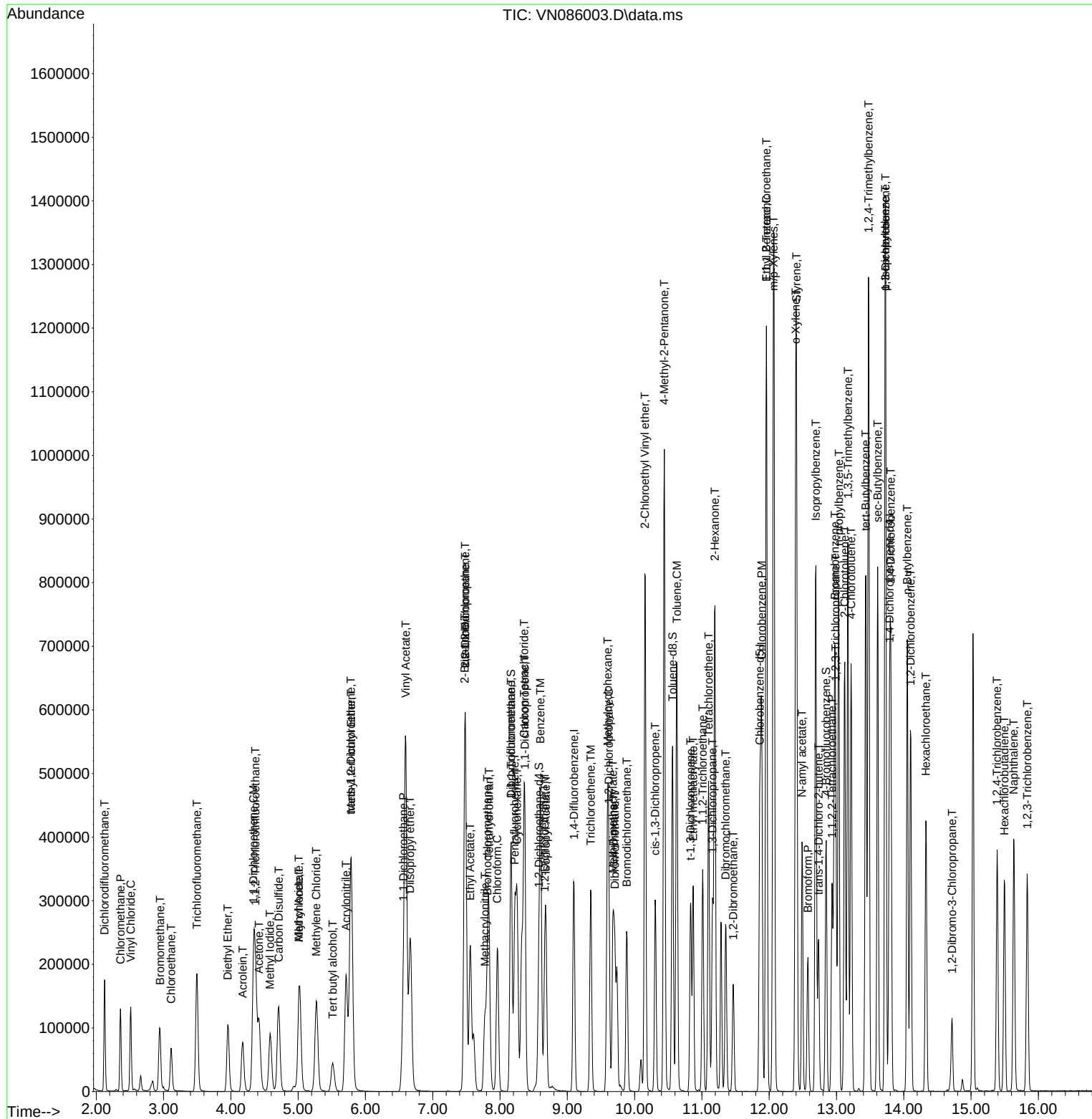
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

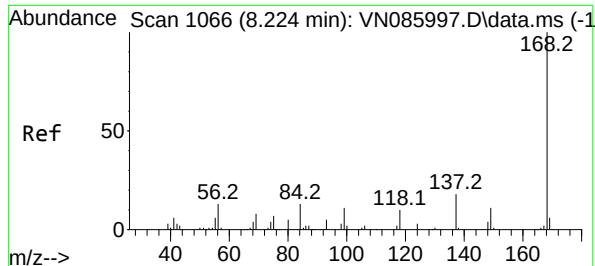
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations

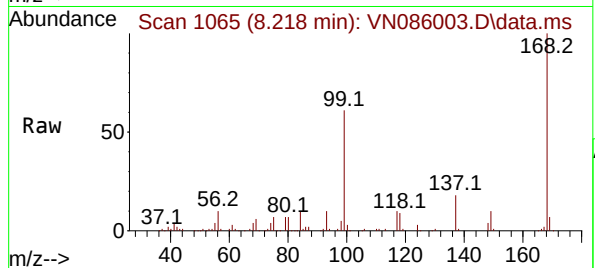
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

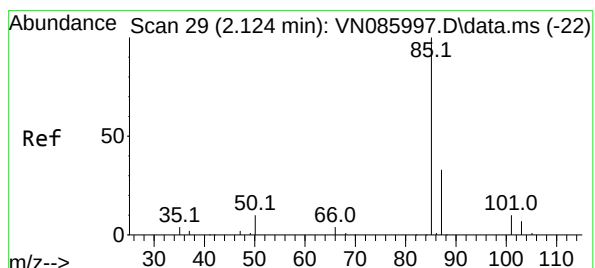
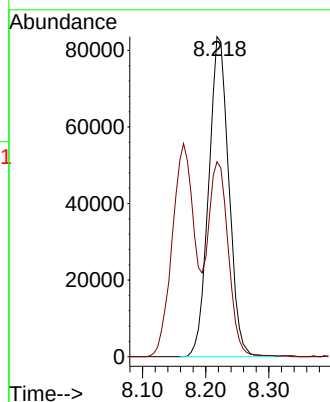
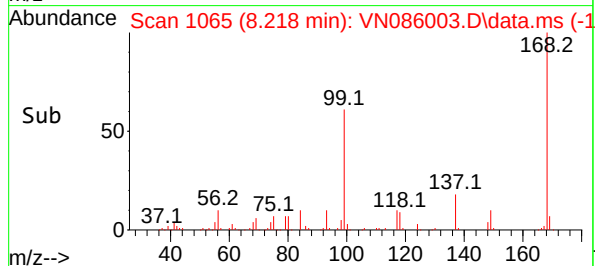
Instrument :
MSVOA_N
ClientSampleId :
ICV031825



Tgt Ion:168 Resp: 18518
Ion Ratio Lower Upper
168 100
99 60.7 49.4 74.2

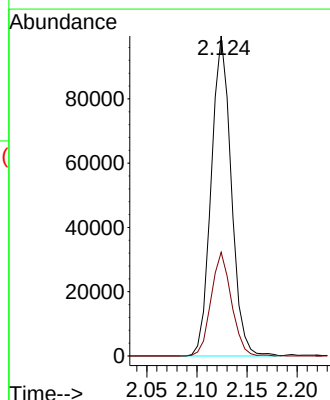
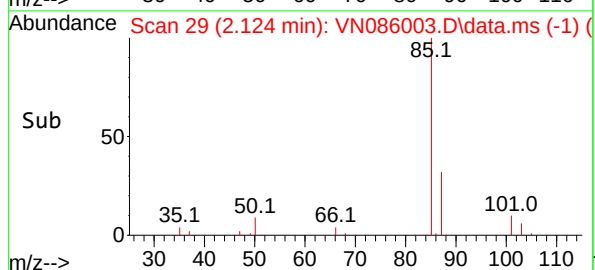
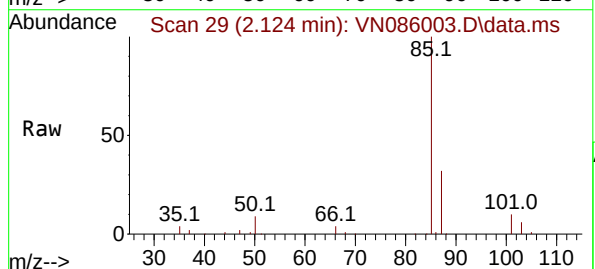
Manual Integrations
APPROVED

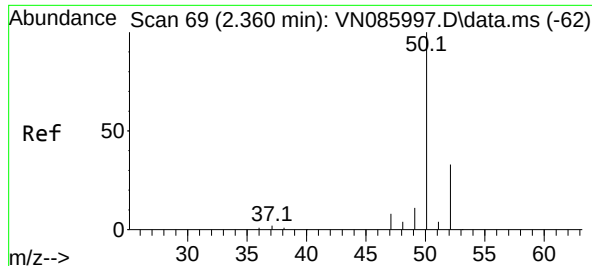
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#2
Dichlorodifluoromethane
Concen: 56.232 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 85 Resp: 137956
Ion Ratio Lower Upper
85 100
87 32.4 16.5 49.5





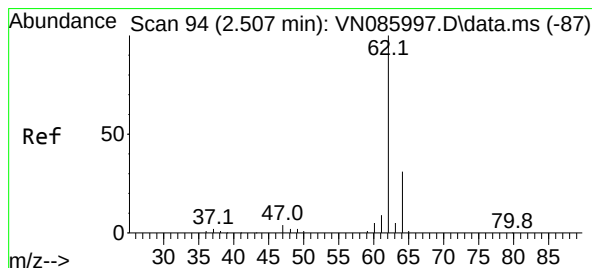
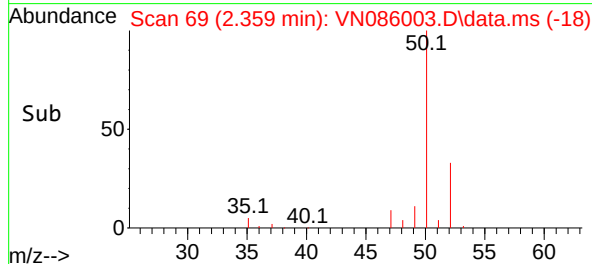
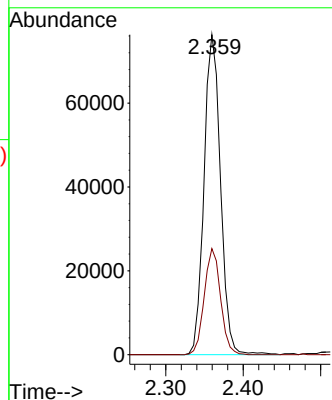
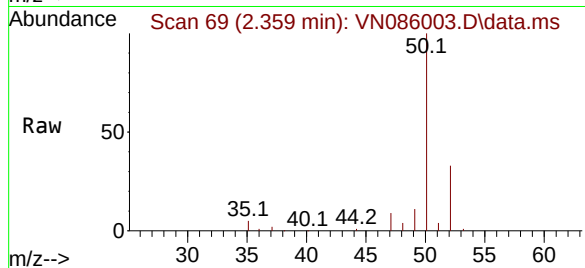
#3
Chloromethane
Concen: 52.508 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion: 50 Resp: 112934
Ion Ratio Lower Upper
50 100
52 33.2 26.0 39.0

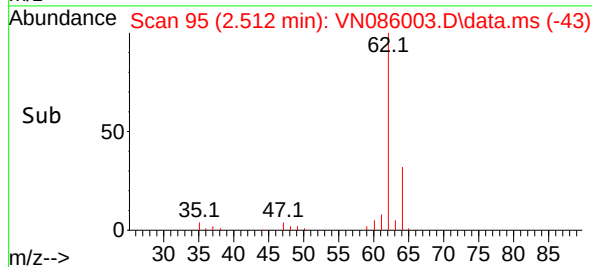
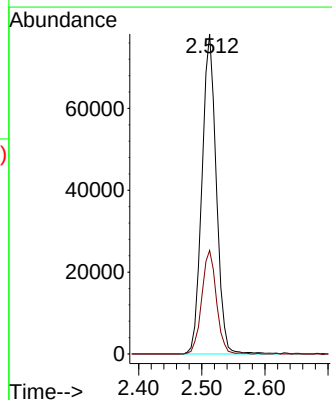
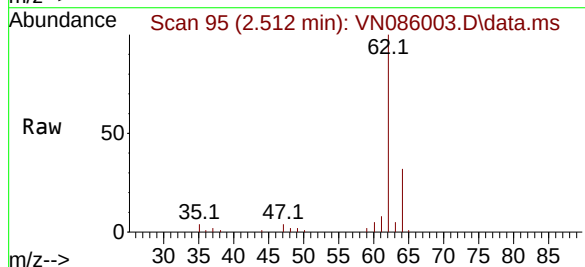
Manual Integrations
APPROVED

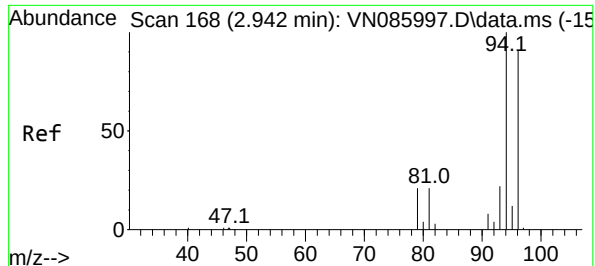
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#4
Vinyl Chloride
Concen: 55.971 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 62 Resp: 123086
Ion Ratio Lower Upper
62 100
64 32.3 25.2 37.8





#5

Bromomethane

Concen: 51.574 ug/l

RT: 2.948 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 94 Resp: 7725

Ion Ratio Lower Upper

94 100

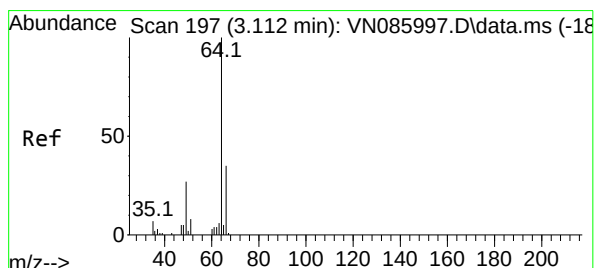
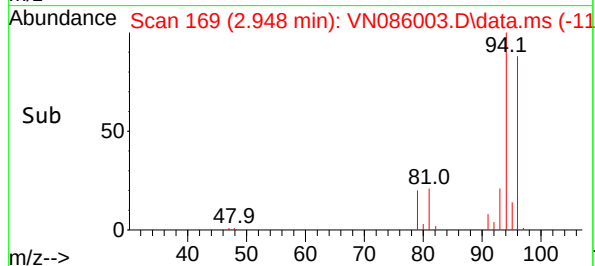
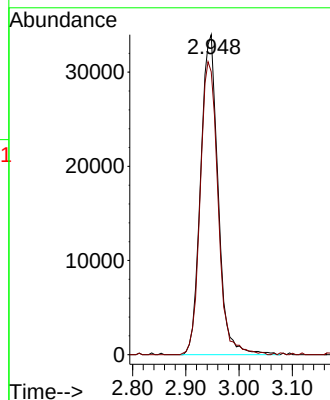
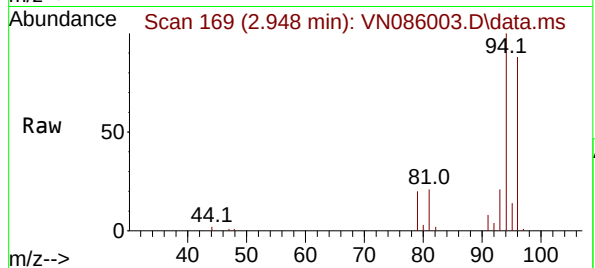
96 88.4 72.8 109.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#6

Chloroethane

Concen: 51.154 ug/l

RT: 3.112 min Scan# 197

Delta R.T. -0.000 min

Lab File: VN086003.D

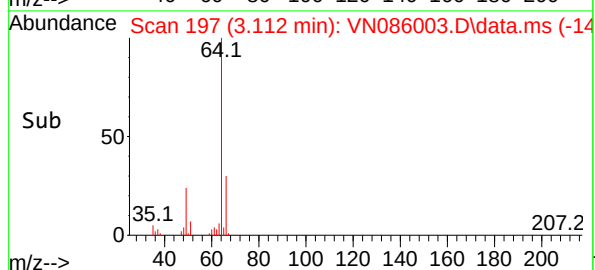
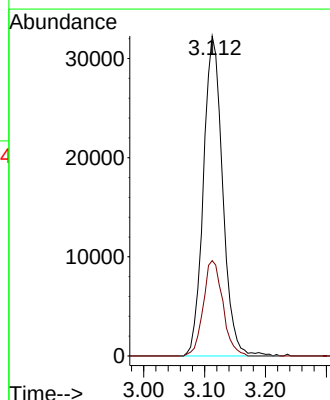
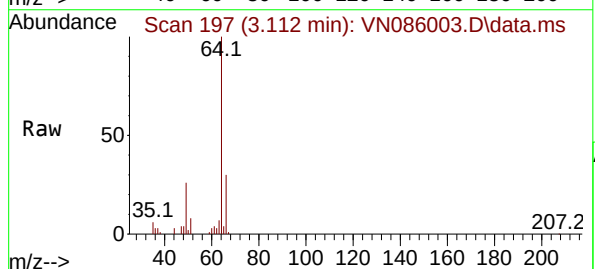
Acq: 18 Mar 2025 16:49

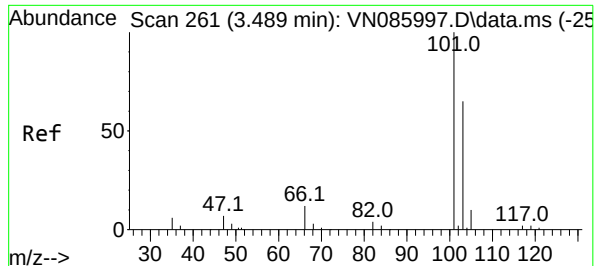
Tgt Ion: 64 Resp: 70967

Ion Ratio Lower Upper

64 100

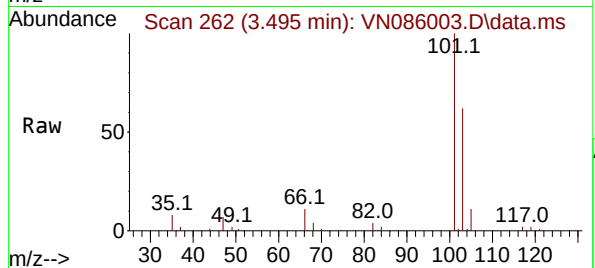
66 29.8 28.3 42.5





#7
Trichlorofluoromethane
Concen: 53.112 ug/l
RT: 3.495 min Scan# 20996
Delta R.T. 0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

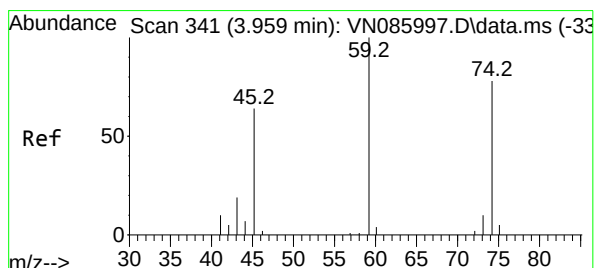
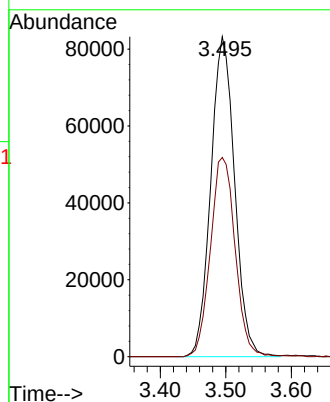
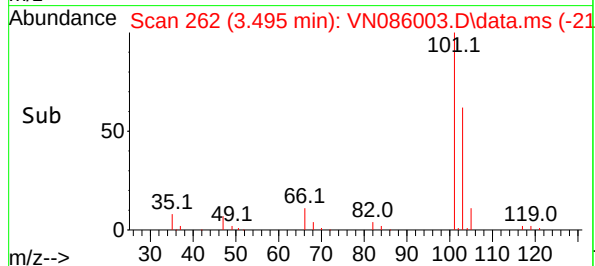
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion:101 Resp: 20996
Ion Ratio Lower Upper
101 100
103 62.2 51.7 77.5

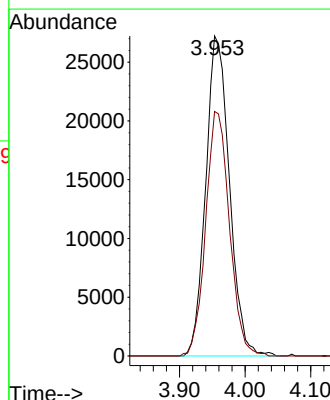
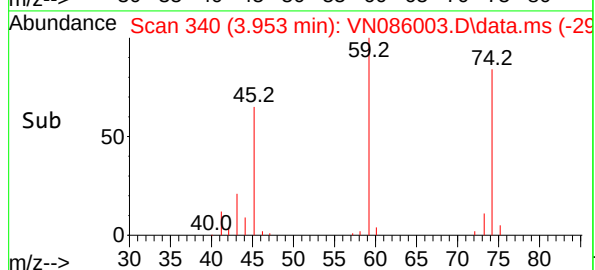
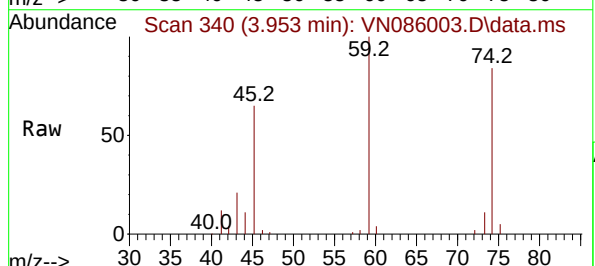
Manual Integrations
APPROVED

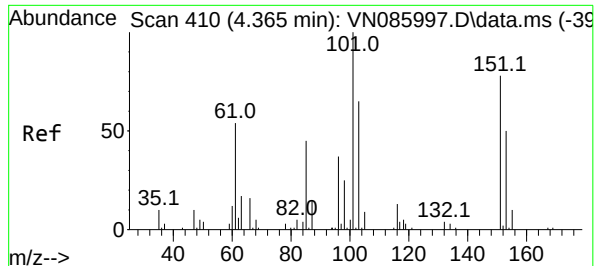
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#8
Diethyl Ether
Concen: 56.496 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 74 Resp: 68372
Ion Ratio Lower Upper
74 100
45 76.7 38.0 113.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.975 ug/l

RT: 4.365 min Scan# 410

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion:101 Resp: 11130

Ion Ratio Lower Upper

101 100

85 45.3 36.5 54.7

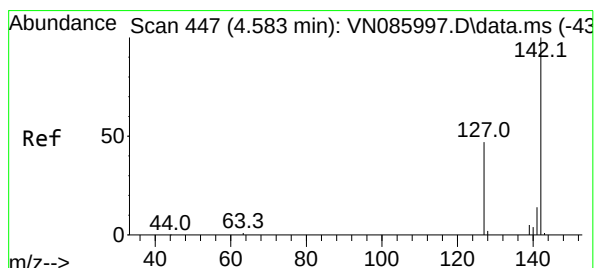
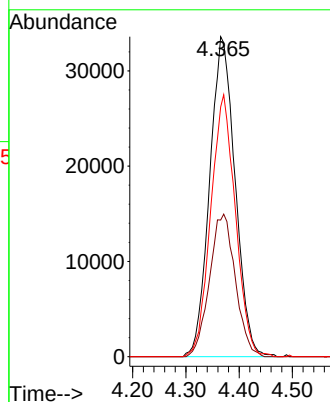
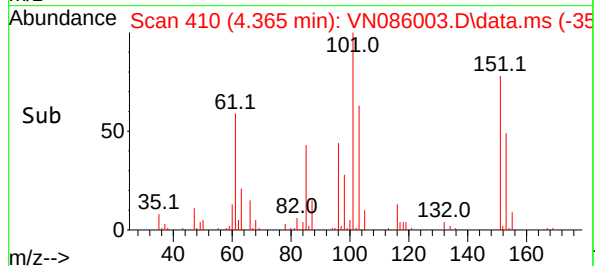
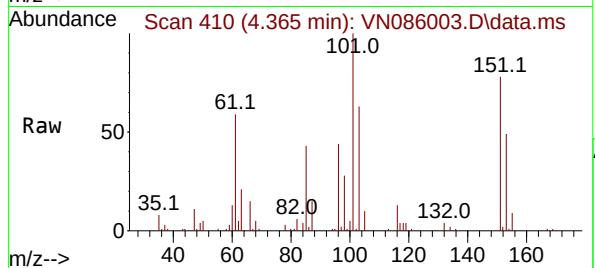
151 79.5 63.4 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#10

Methyl Iodide

Concen: 56.682 ug/l

RT: 4.583 min Scan# 447

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

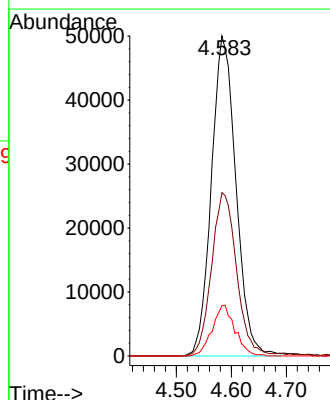
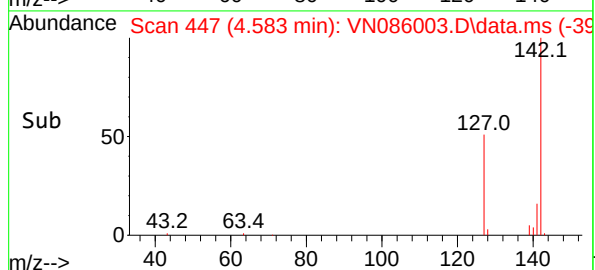
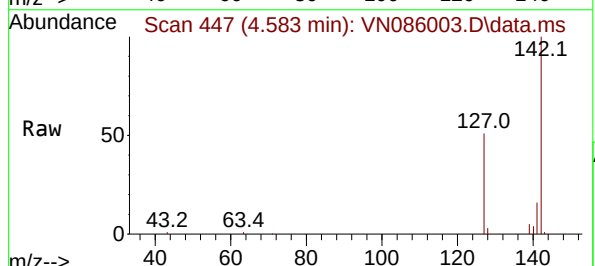
Tgt Ion:142 Resp: 155175

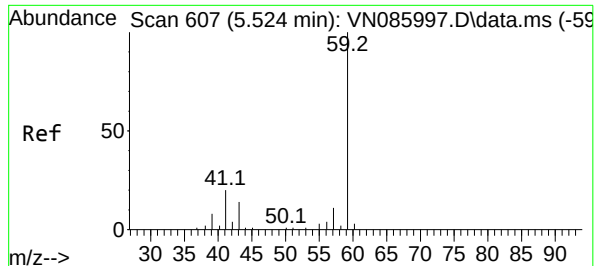
Ion Ratio Lower Upper

142 100

127 51.1 37.5 56.3

141 15.7 11.0 16.6





#11

Tert butyl alcohol

Concen: 238.378 ug/l

RT: 5.512 min Scan# 607

Delta R.T. -0.012 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 59 Resp: 8558

Ion Ratio Lower Upper

59 100

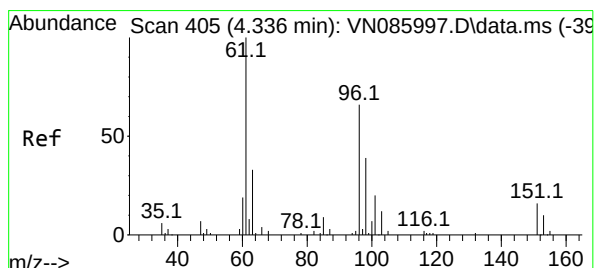
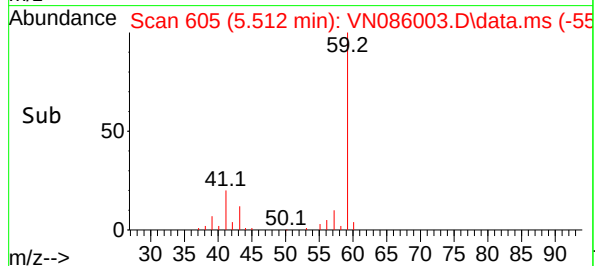
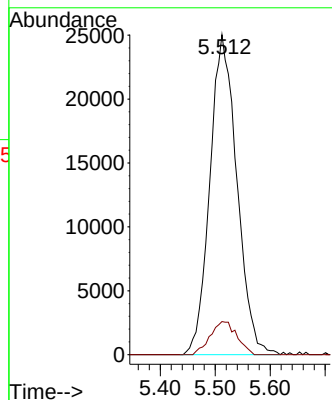
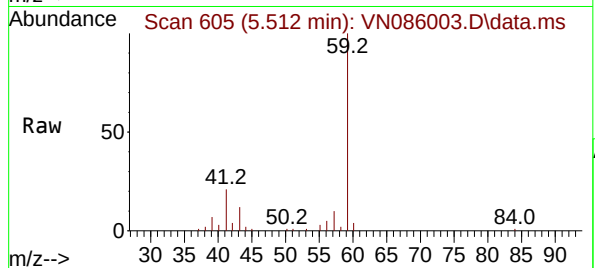
57 10.2 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#12

1,1-Dichloroethene

Concen: 57.321 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

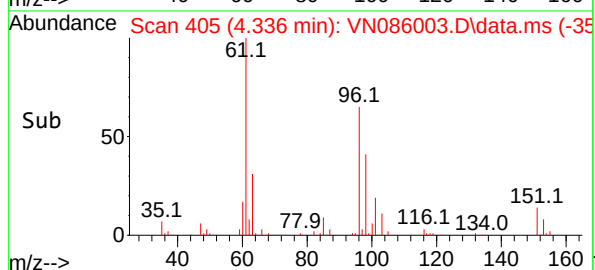
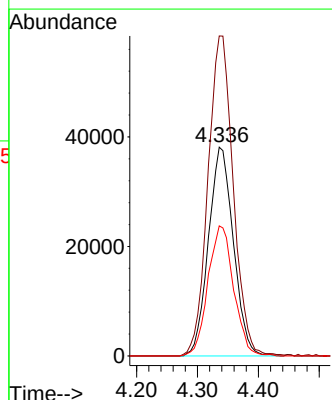
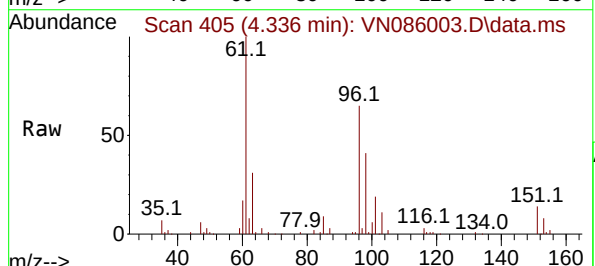
Tgt Ion: 96 Resp: 108747

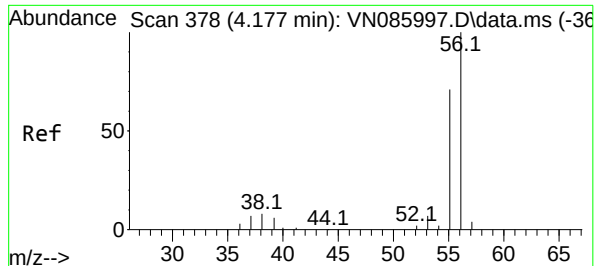
Ion Ratio Lower Upper

96 100

61 153.3 120.5 180.7

98 62.3 47.4 71.0





#13

Acrolein

Concen: 272.978 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 56 Resp: 104529

Ion Ratio Lower Upper

56 100

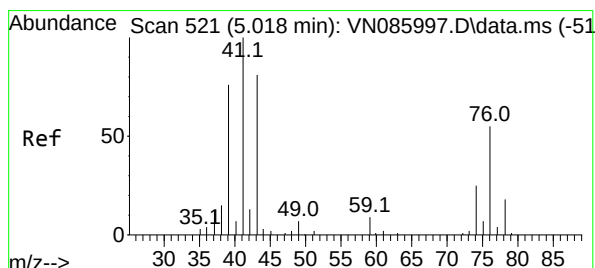
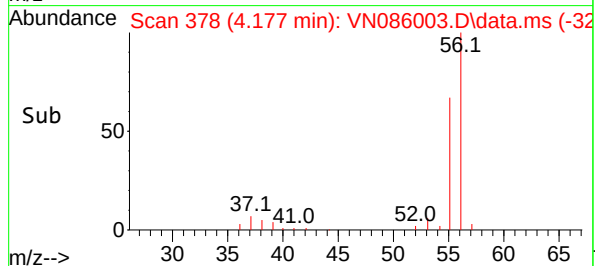
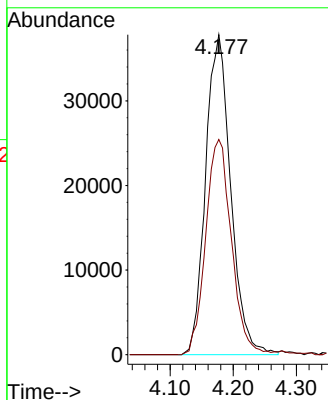
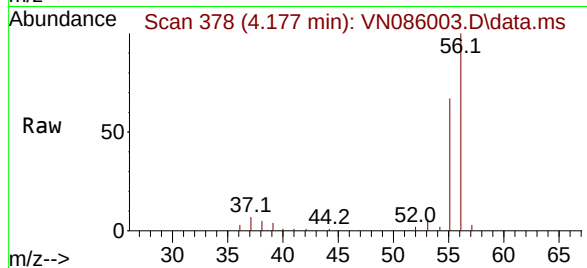
55 68.8 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#14

Allyl chloride

Concen: 56.555 ug/l

RT: 5.012 min Scan# 520

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

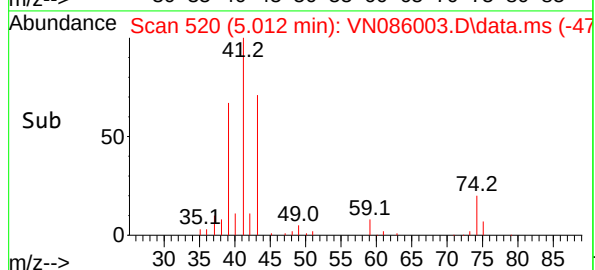
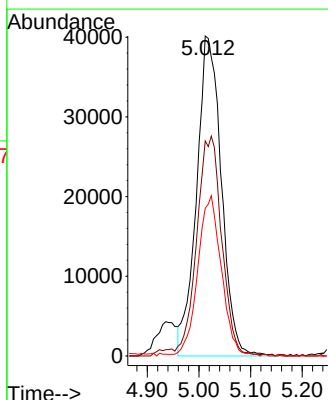
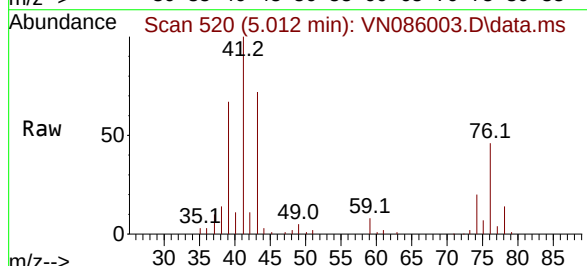
Tgt Ion: 41 Resp: 133855

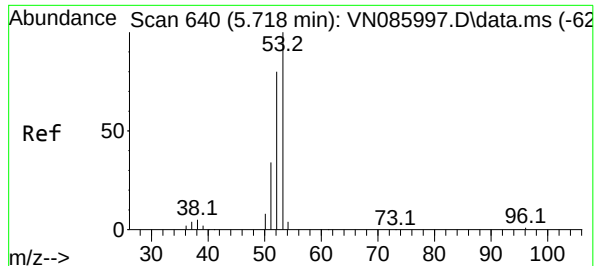
Ion Ratio Lower Upper

41 100

39 70.7 55.5 83.3

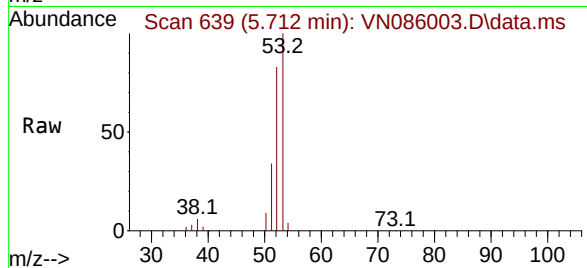
76 47.6 39.1 58.7





#15
Acrylonitrile
Concen: 260.076 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

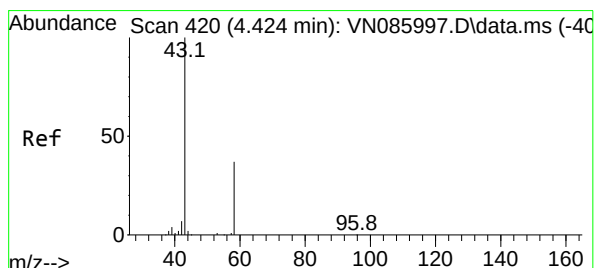
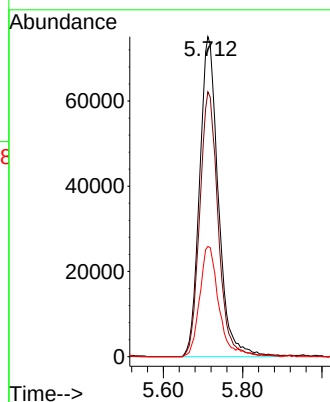
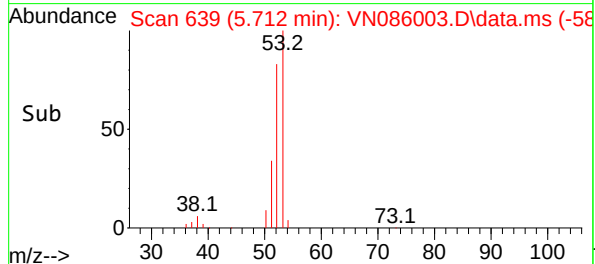
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 53 Resp: 246598
Ion Ratio Lower Upper
53 100
52 80.9 63.9 95.9
51 35.5 27.1 40.7

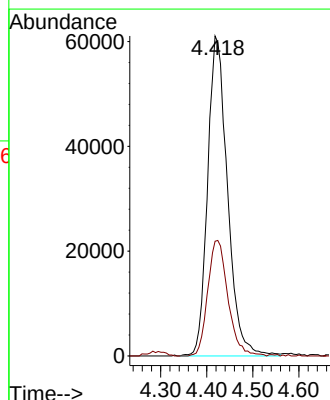
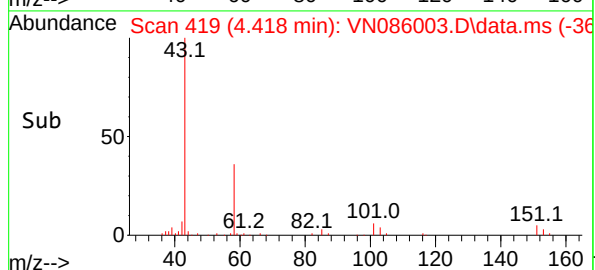
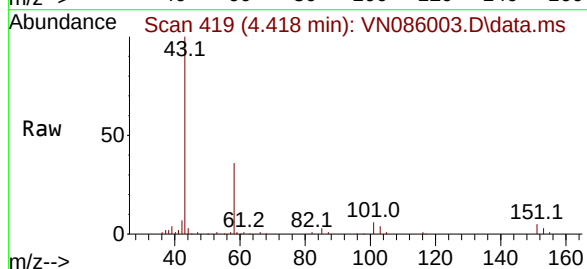
Manual Integrations
APPROVED

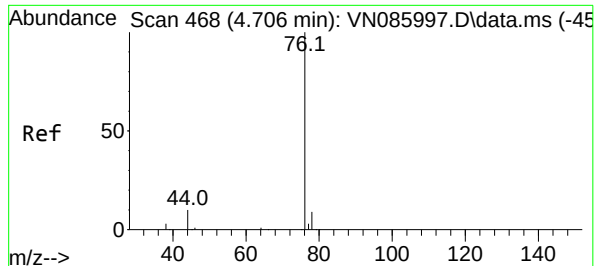
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#16
Acetone
Concen: 237.056 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 43 Resp: 183647
Ion Ratio Lower Upper
43 100
58 35.8 29.4 44.2





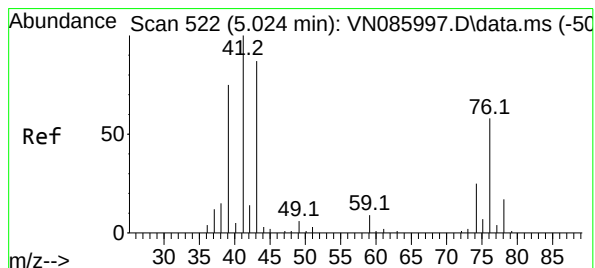
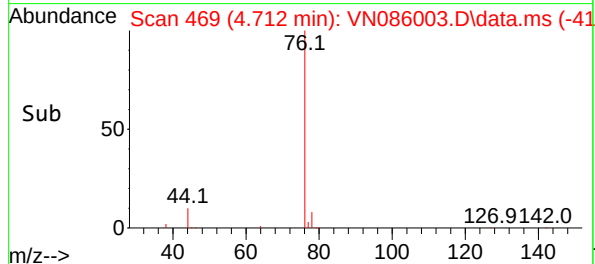
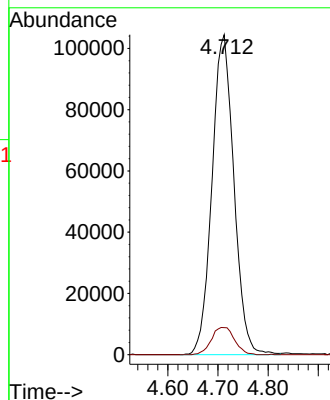
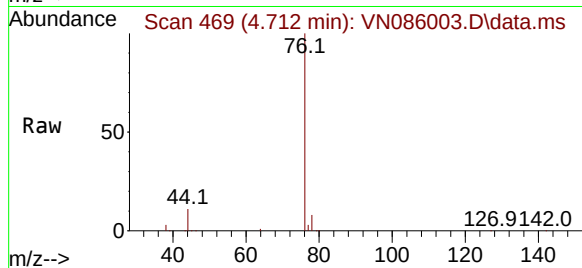
#17
Carbon Disulfide
Concen: 50.845 ug/l
RT: 4.712 min Scan# 40
Delta R.T. 0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion: 76 Resp: 31723
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2

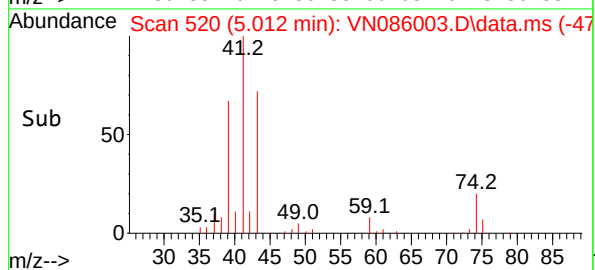
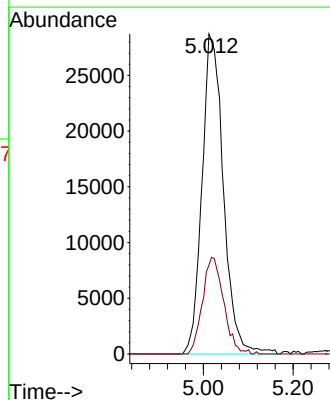
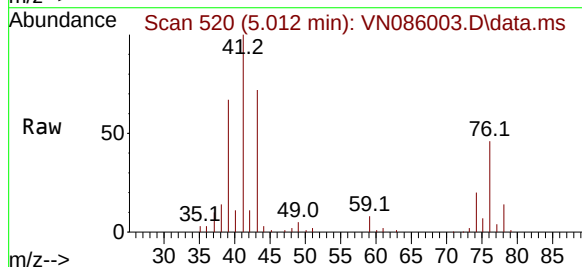
Manual Integrations
APPROVED

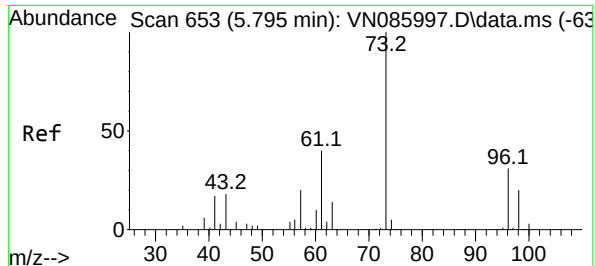
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#18
Methyl Acetate
Concen: 49.649 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 43 Resp: 95164
Ion Ratio Lower Upper
43 100
74 29.7 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 58.538 ug/l

RT: 5.789 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 73 Resp: 363920

Ion Ratio Lower Upper

73 100

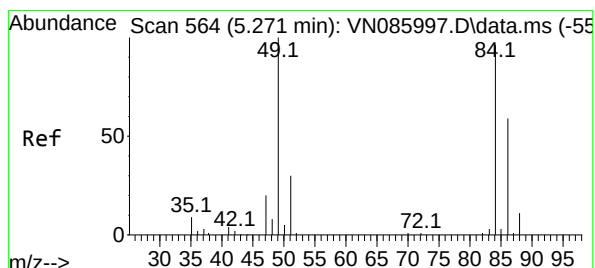
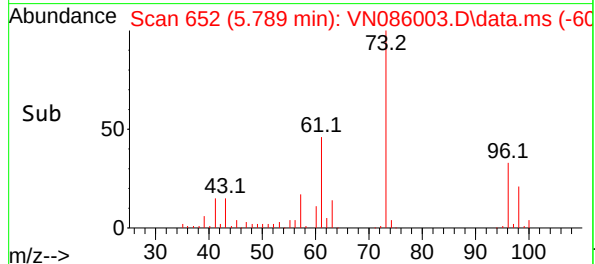
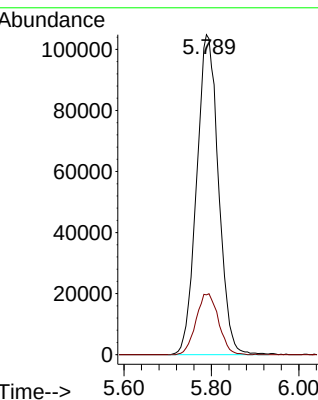
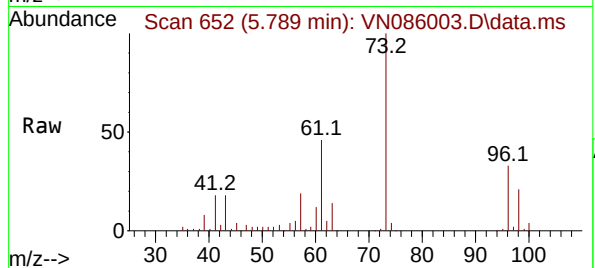
57 18.7 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#20

Methylene Chloride

Concen: 53.440 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Tgt Ion: 84 Resp: 121113

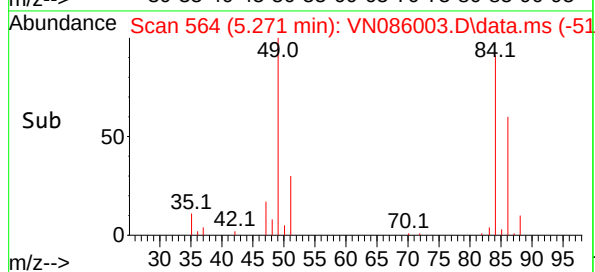
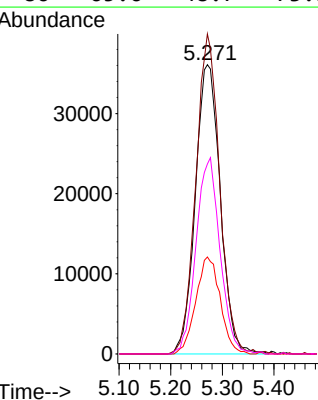
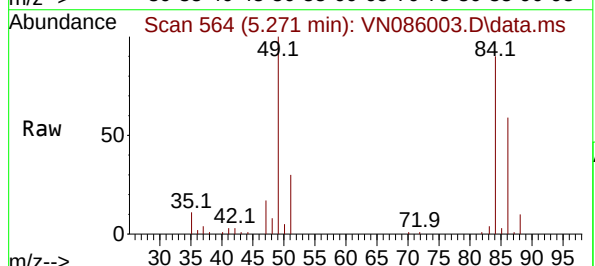
Ion Ratio Lower Upper

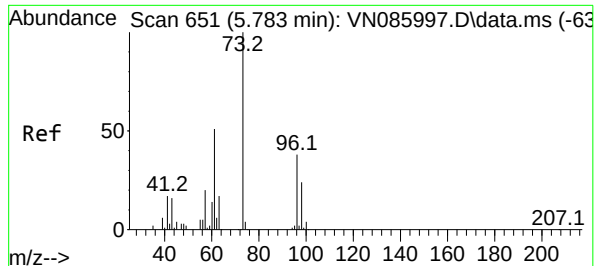
84 100

49 110.6 83.3 124.9

51 33.5 24.8 37.2

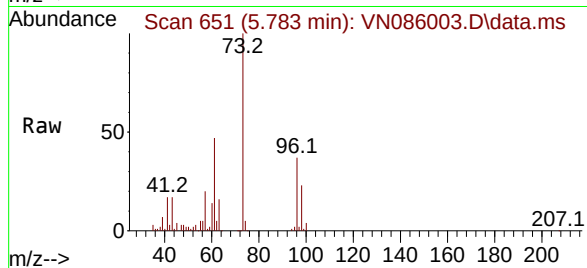
86 65.6 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 55.586 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

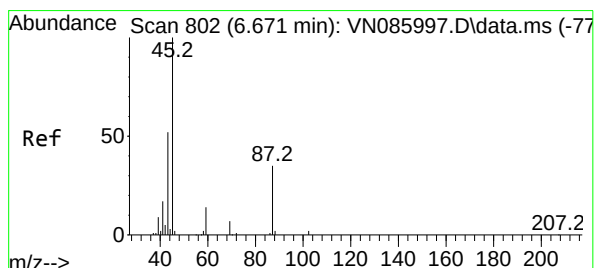
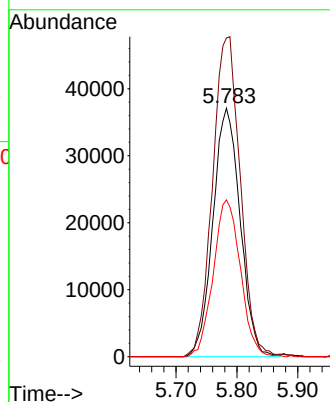
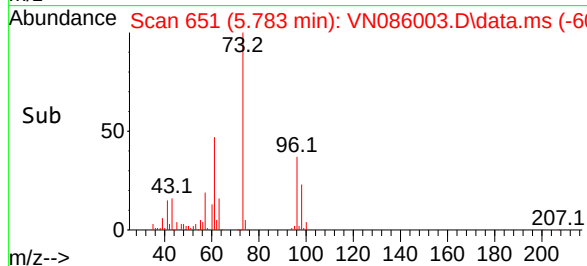
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 96 Resp: 11524
Ion Ratio Lower Upper
96 100
61 128.3 106.6 160.0
98 63.1 50.0 75.0

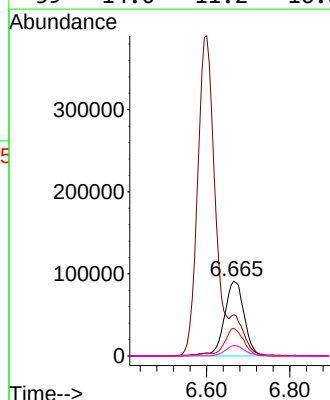
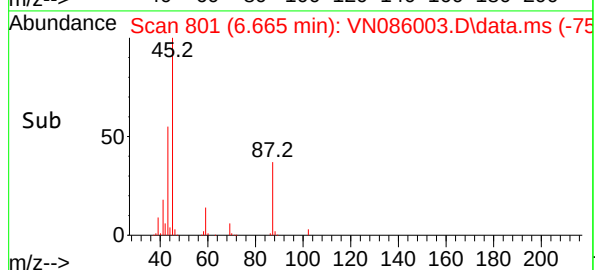
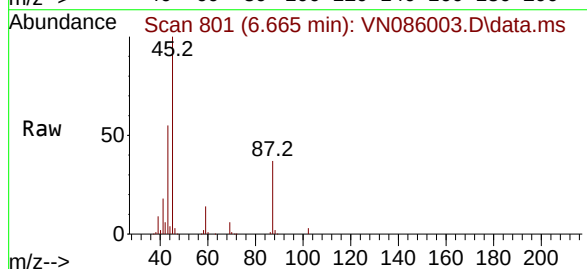
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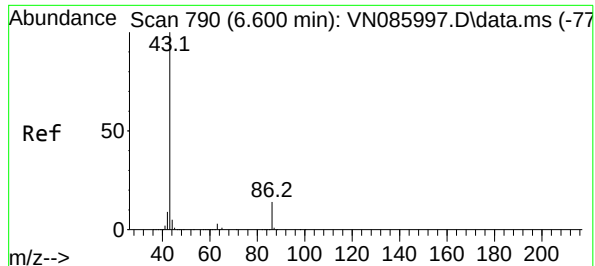
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#22
Diisopropyl ether
Concen: 59.615 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 45 Resp: 300680
Ion Ratio Lower Upper
45 100
43 54.3 41.2 61.8
87 37.0 28.5 42.7
59 14.0 11.2 16.8





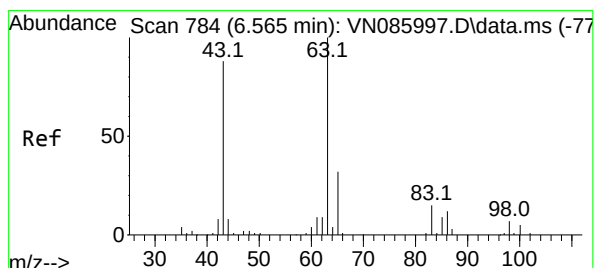
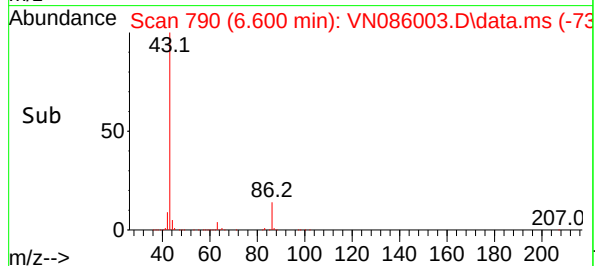
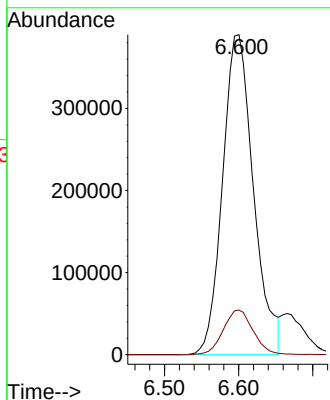
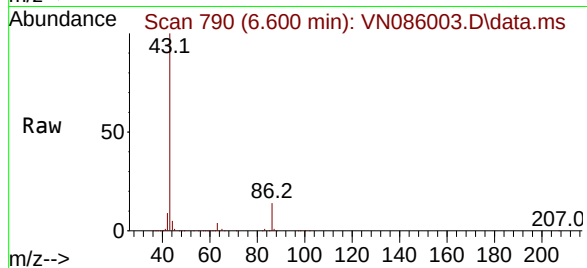
#23
Vinyl Acetate
Concen: 295.428 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion: 43 Resp: 1129550
Ion Ratio Lower Upper
43 100
86 14.0 11.2 16.8

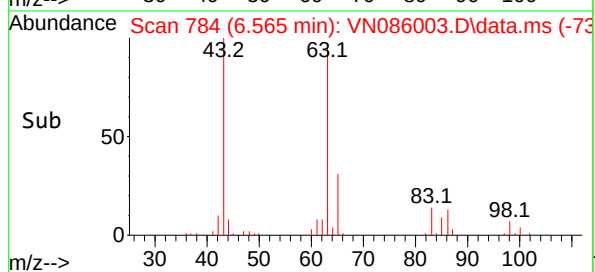
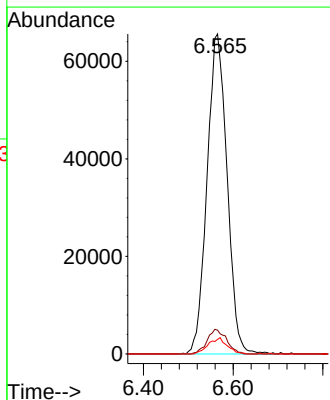
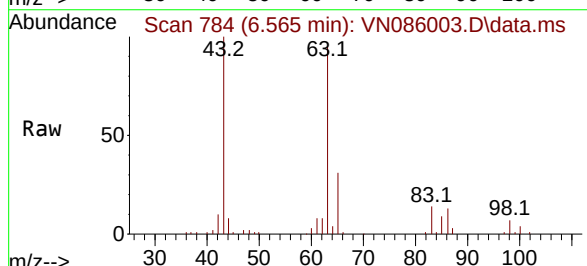
Manual Integrations
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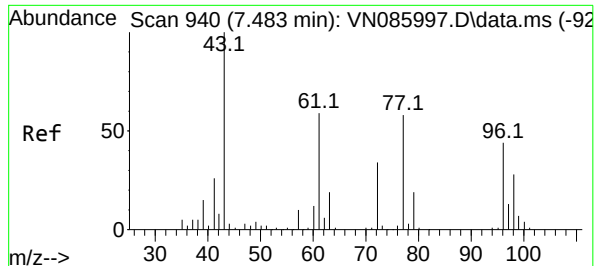
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#24
1,1-Dichloroethane
Concen: 54.884 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 63 Resp: 203556
Ion Ratio Lower Upper
63 100
98 7.5 3.6 10.9
100 4.5 2.5 7.5





#25

2-Butanone

Concen: 253.710 ug/l

RT: 7.477 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 43 Resp: 283608

Ion Ratio Lower Upper

43 100

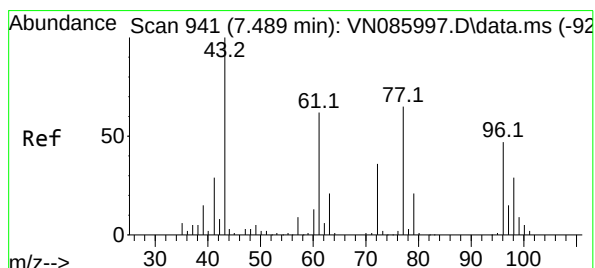
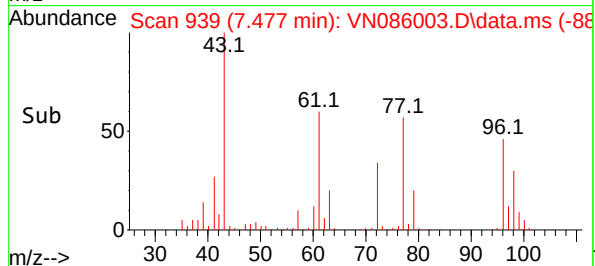
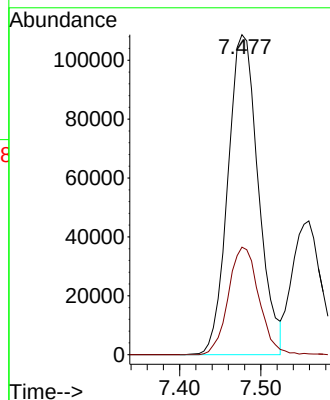
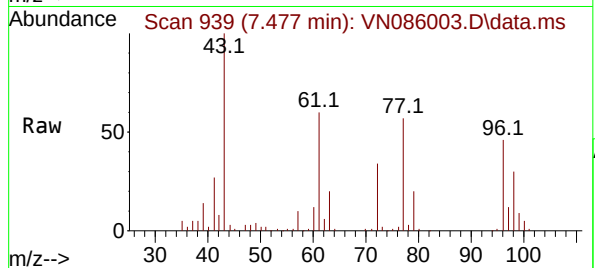
72 33.6 27.4 41.0

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#26

2,2-Dichloropropane

Concen: 55.667 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.006 min

Lab File: VN086003.D

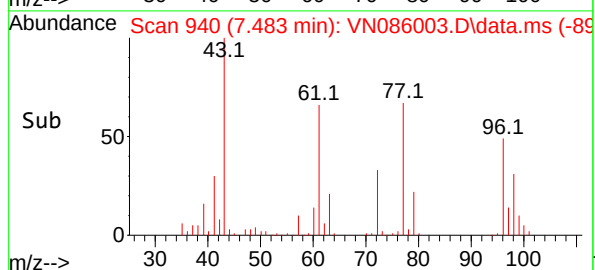
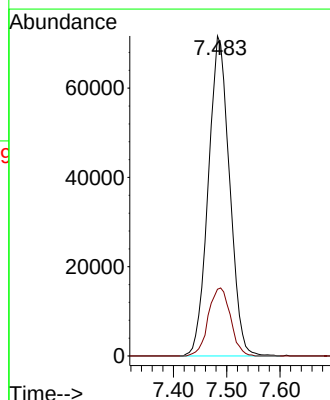
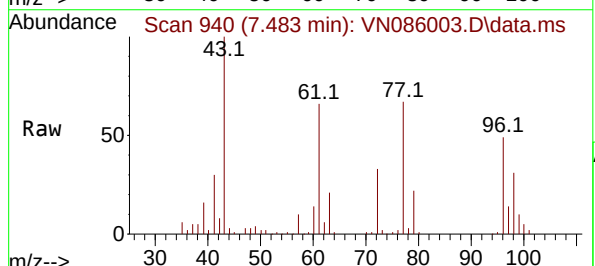
Acq: 18 Mar 2025 16:49

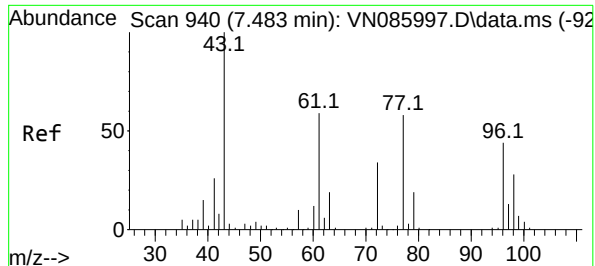
Tgt Ion: 77 Resp: 198771

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 57.158 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 96 Resp: 13466

Ion Ratio Lower Upper

96 100

61 138.1 0.0 272.8

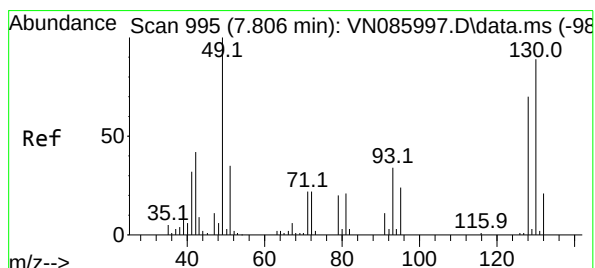
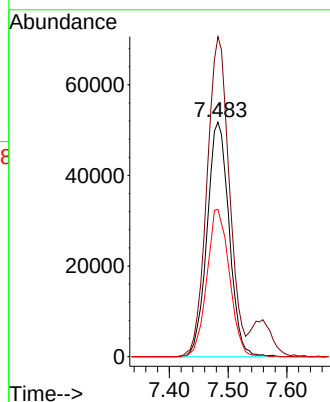
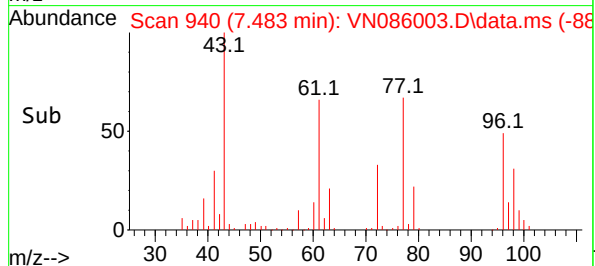
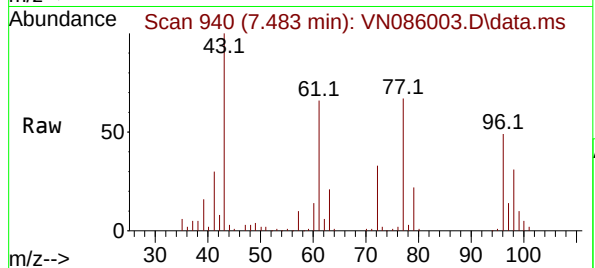
98 64.3 0.0 124.8

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#28

Bromochloromethane

Concen: 43.664 ug/l

RT: 7.812 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

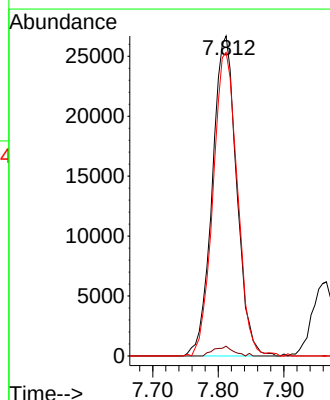
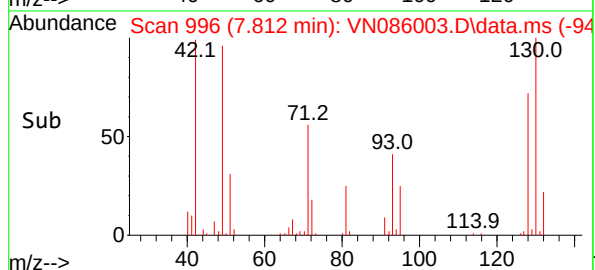
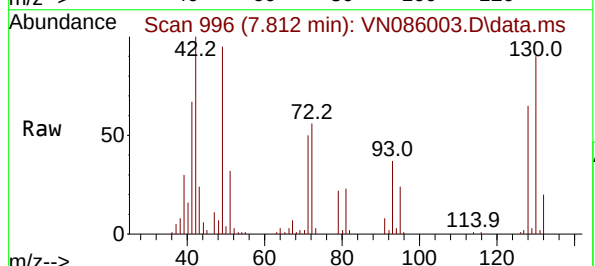
Tgt Ion: 49 Resp: 68612

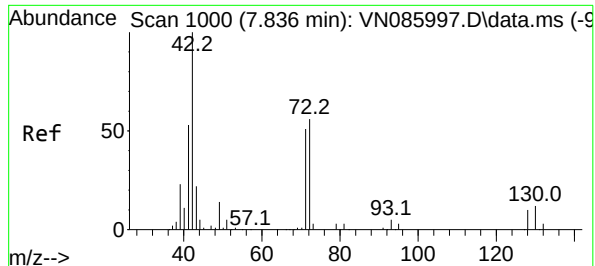
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.2

130 95.0 74.2 111.4





#29

Tetrahydrofuran

Concen: 269.263 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 42 Resp: 18582

Ion Ratio Lower Upper

42 100

72 57.2 45.0 67.4

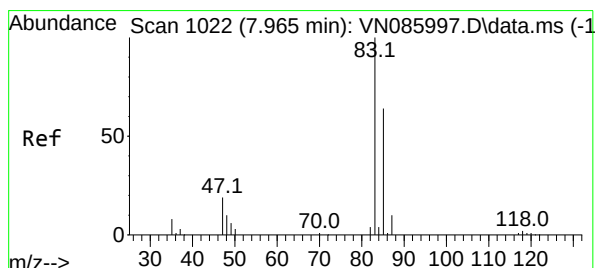
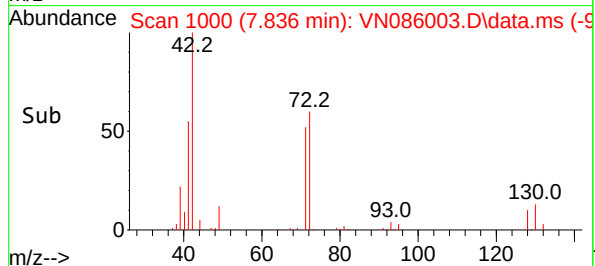
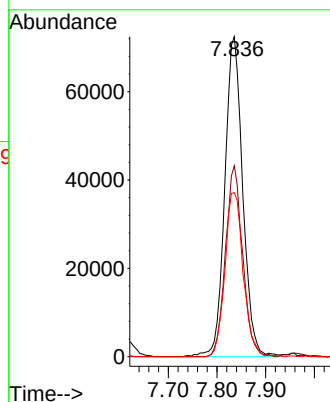
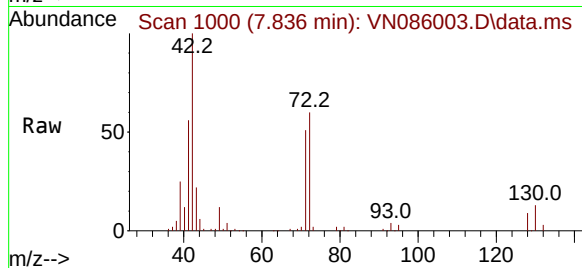
71 52.3 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#30

Chloroform

Concen: 54.394 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086003.D

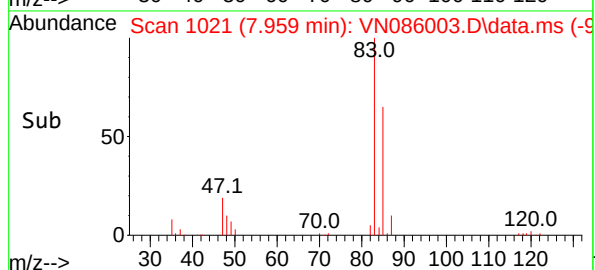
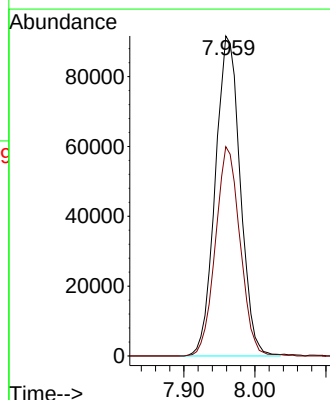
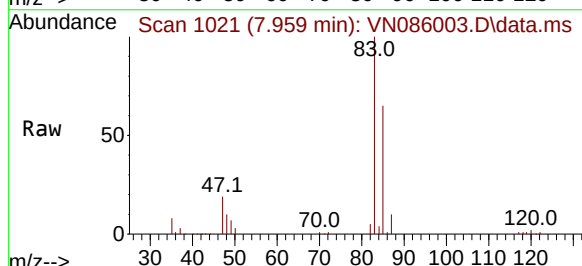
Acq: 18 Mar 2025 16:49

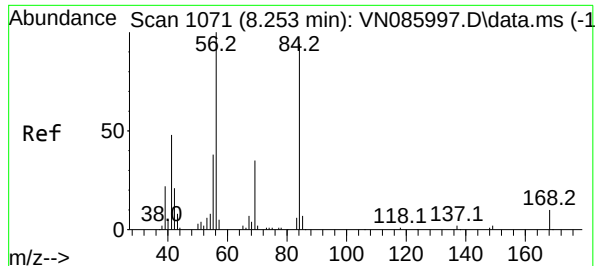
Tgt Ion: 83 Resp: 222991

Ion Ratio Lower Upper

83 100

85 65.4 51.5 77.3





#31

Cyclohexane

Concen: 54.721 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 56 Resp: 17289

Ion Ratio Lower Upper

56 100

69 32.4 28.0 42.0

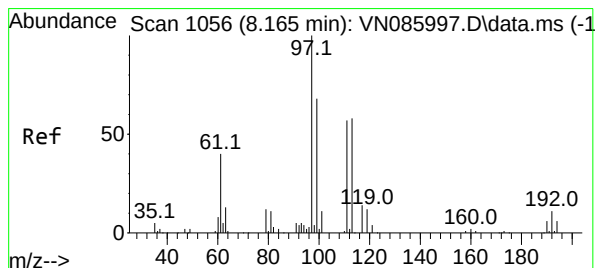
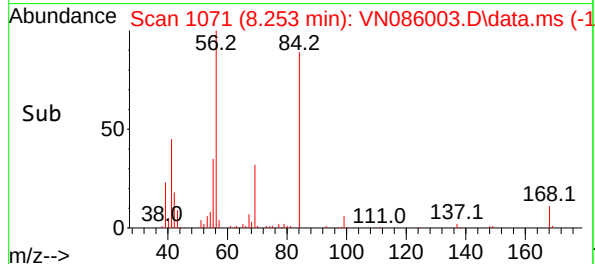
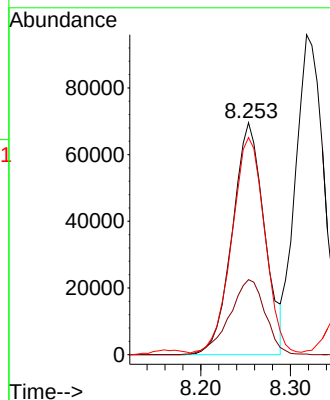
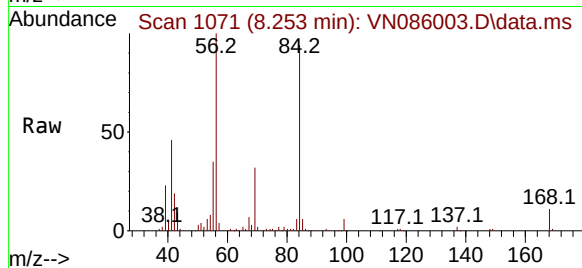
84 92.0 75.0 112.6

Manual Integrations

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Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#32

1,1,1-Trichloroethane

Concen: 55.539 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

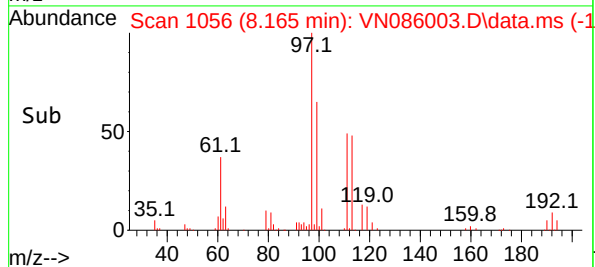
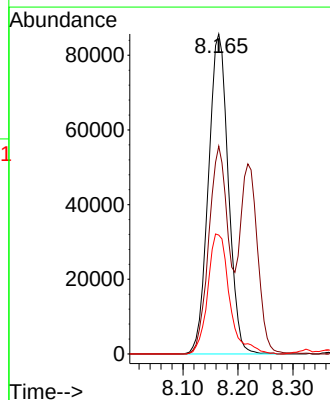
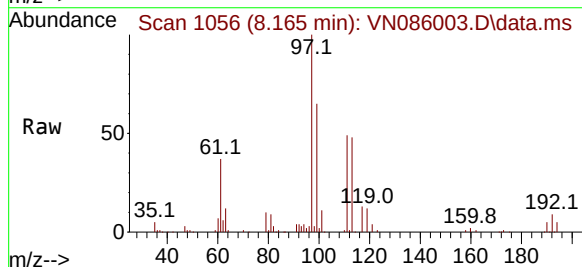
Tgt Ion: 97 Resp: 215524

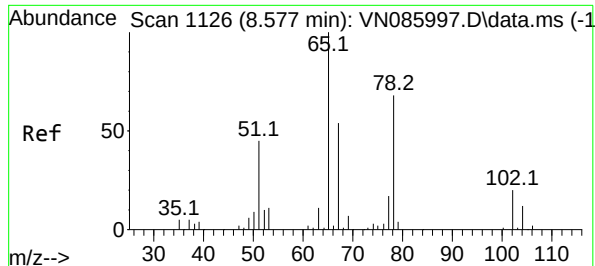
Ion Ratio Lower Upper

97 100

99 64.6 52.8 79.2

61 41.0 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 49.524 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 65 Resp: 12558

Ion Ratio Lower Upper

65 100

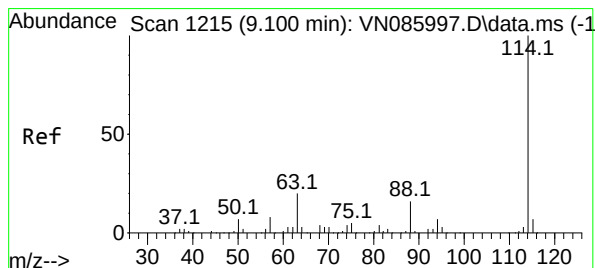
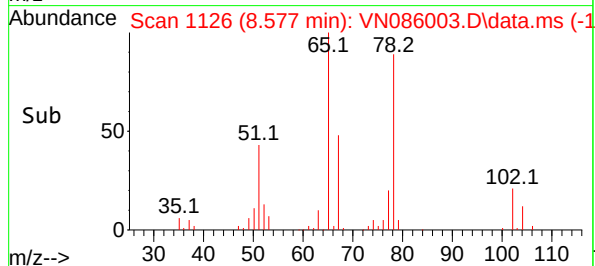
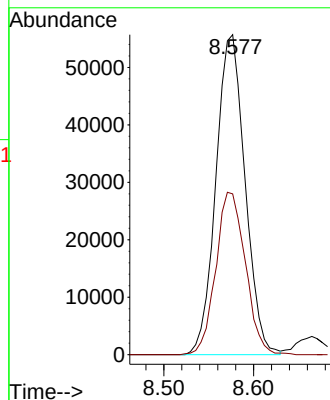
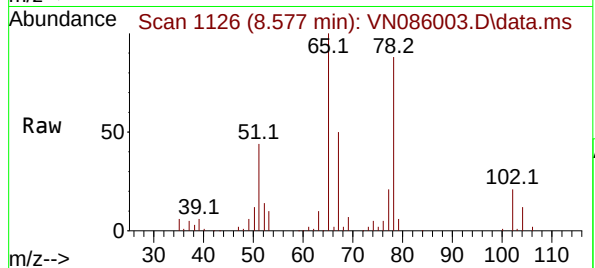
67 51.5 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

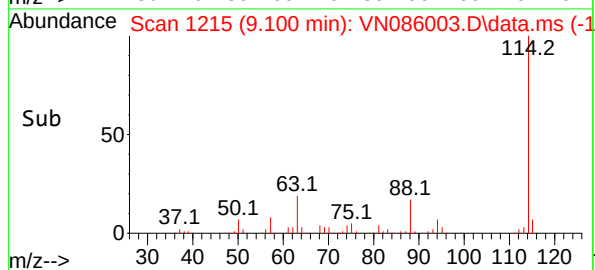
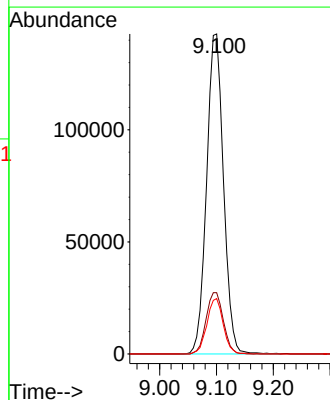
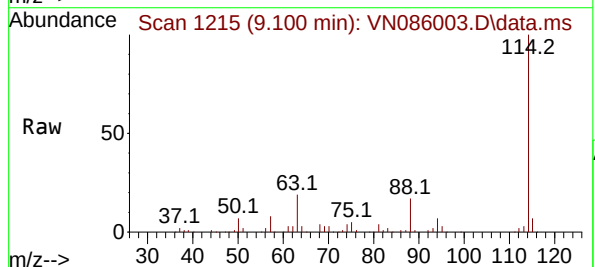
Tgt Ion:114 Resp: 294426

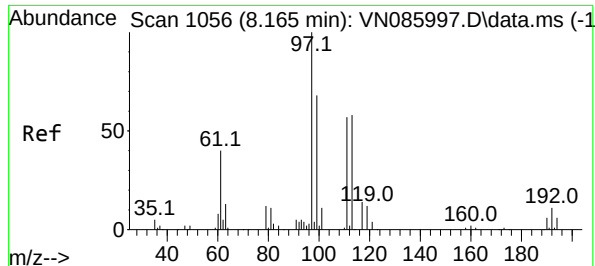
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 17.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.666 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion:113 Resp: 10001

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.8

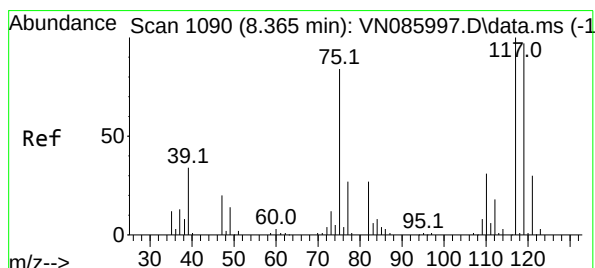
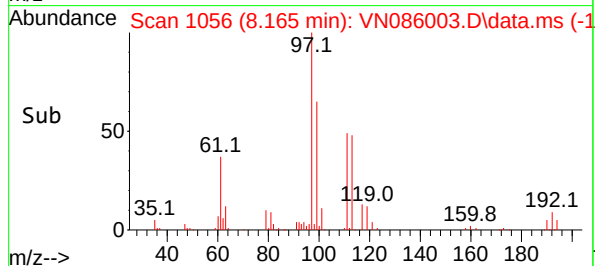
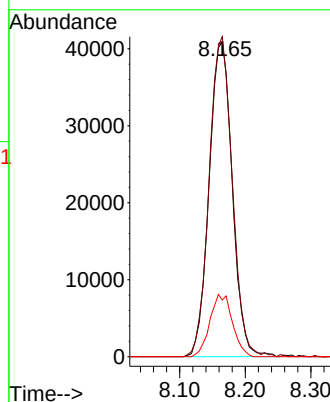
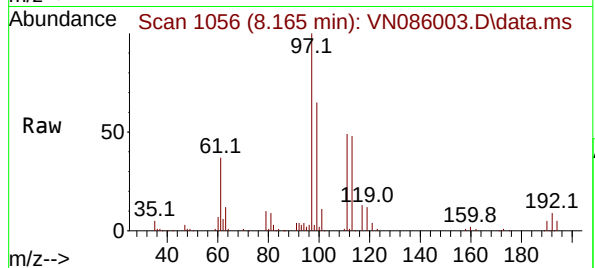
192 19.2 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#36

1,1-Dichloropropene

Concen: 57.540 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

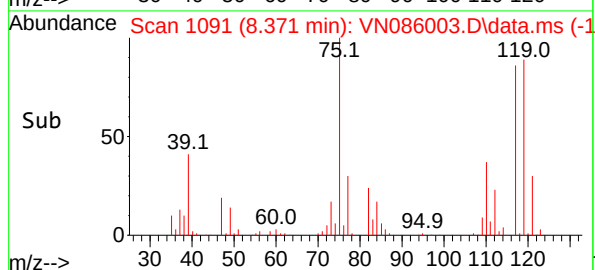
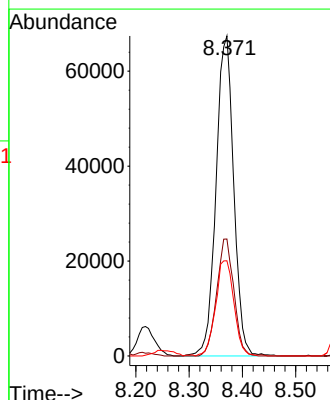
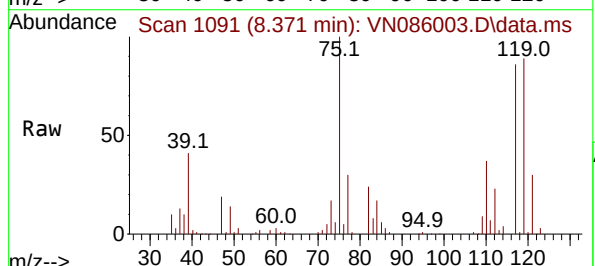
Tgt Ion: 75 Resp: 155704

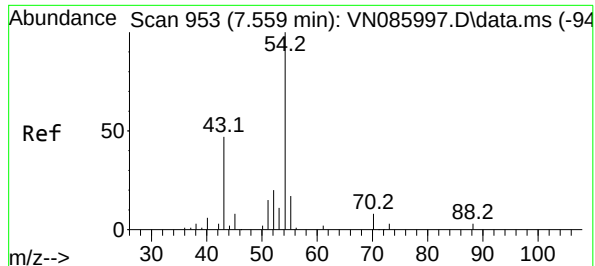
Ion Ratio Lower Upper

75 100

110 35.5 17.8 53.3

77 30.9 25.0 37.4





#37

Ethyl Acetate

Concen: 50.756 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

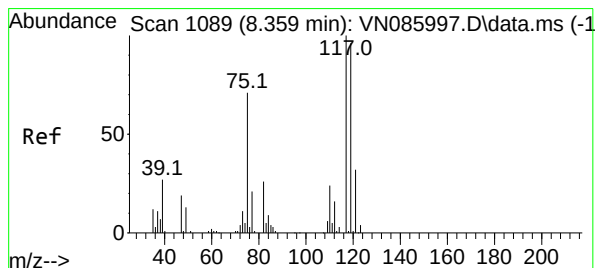
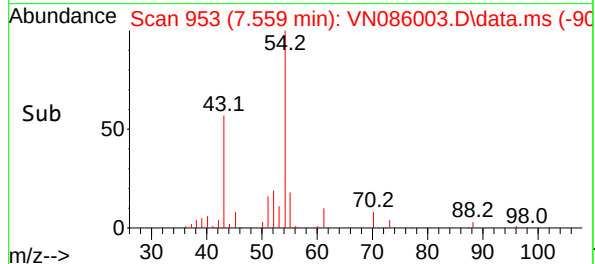
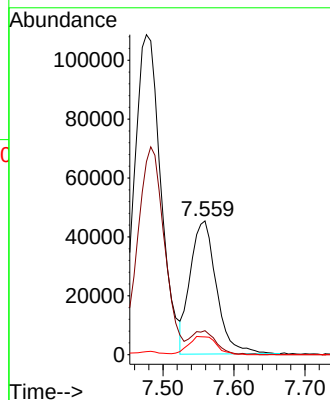
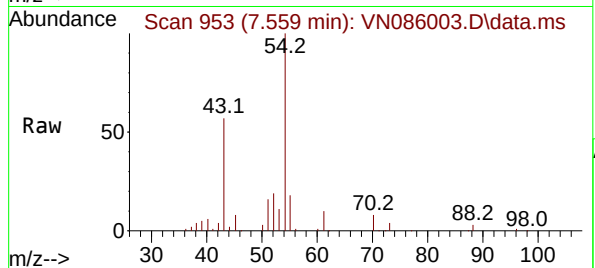
Tgt Ion: 43 Resp: 11587

Ion	Ratio	Lower	Upper
43	100		
61	17.7	13.0	19.4
70	14.5	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#38

Carbon Tetrachloride

Concen: 56.517 ug/l

RT: 8.359 min Scan# 1089

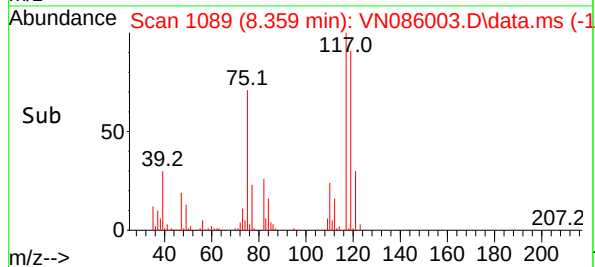
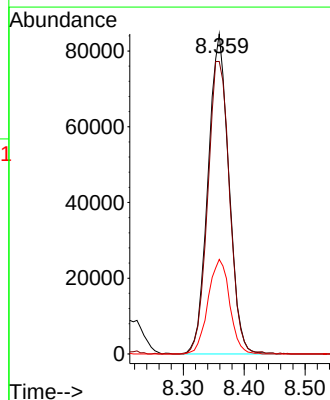
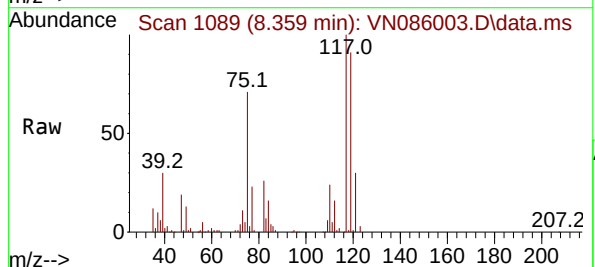
Delta R.T. -0.000 min

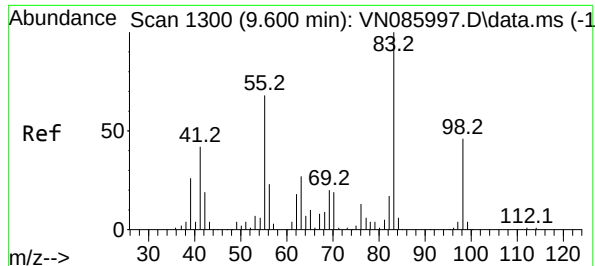
Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Tgt Ion:117 Resp: 201085

Ion	Ratio	Lower	Upper
117	100		
119	91.4	77.0	115.4
121	29.5	25.6	38.4





#39

Methylcyclohexane

Concen: 60.818 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 83 Resp: 163279

Ion Ratio Lower Upper

83 100

55 68.3 54.2 81.2

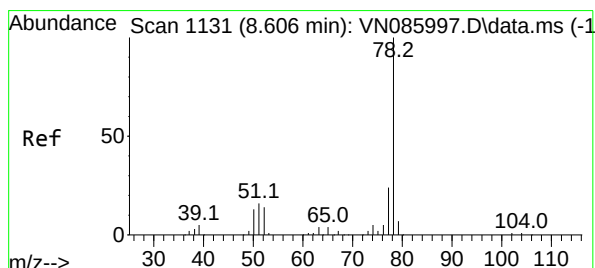
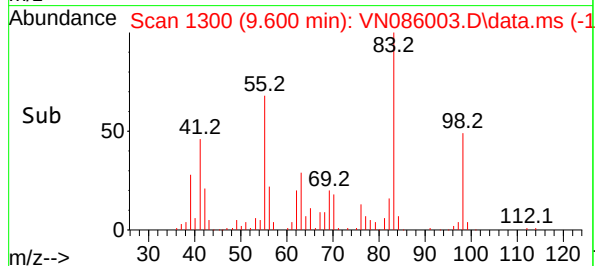
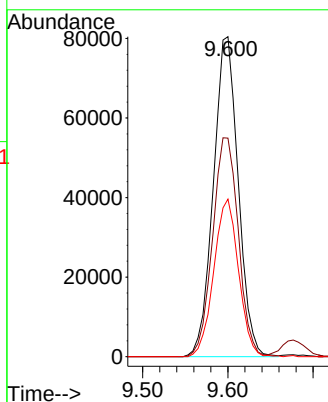
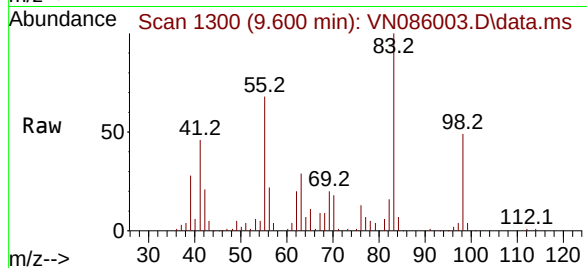
98 49.3 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#40

Benzene

Concen: 56.869 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN086003.D

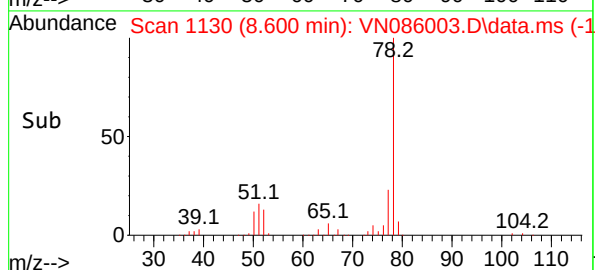
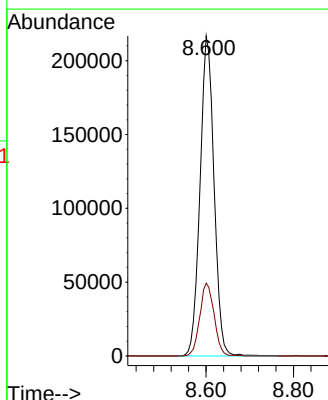
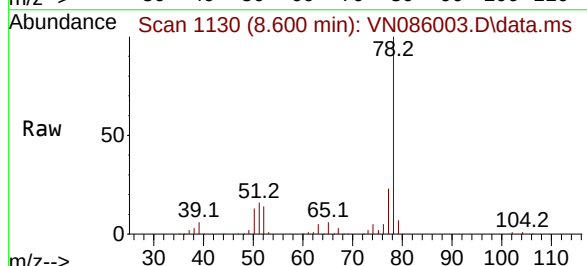
Acq: 18 Mar 2025 16:49

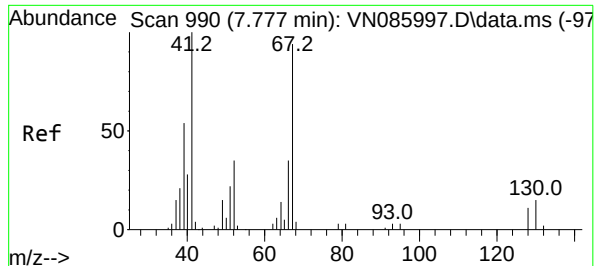
Tgt Ion: 78 Resp: 483089

Ion Ratio Lower Upper

78 100

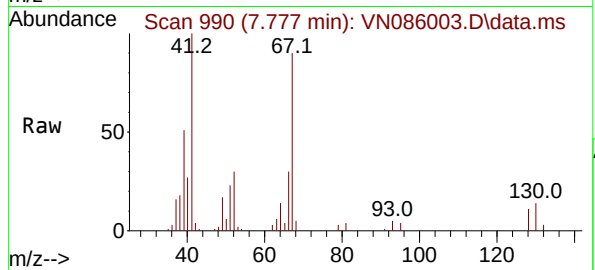
77 22.7 18.9 28.3





#41
Methacrylonitrile
Concen: 58.457 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

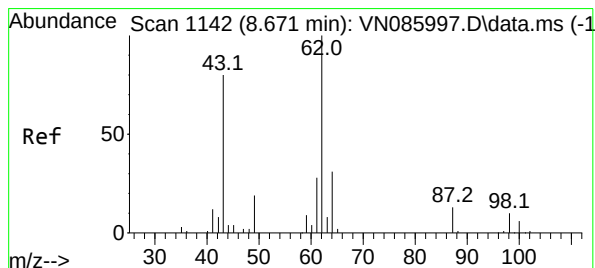
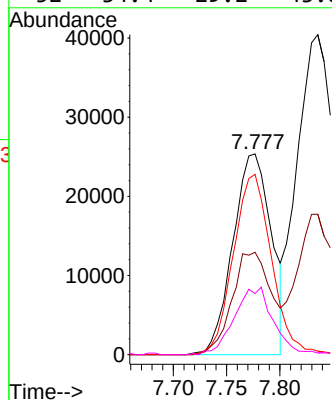
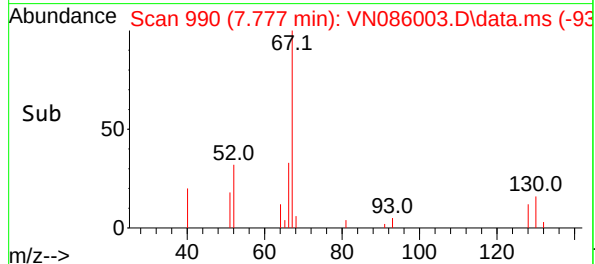
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 41 Resp: 63723
Ion Ratio Lower Upper
41 100
39 51.7 46.2 69.2
67 89.4 75.9 113.9
52 34.4 29.2 43.8

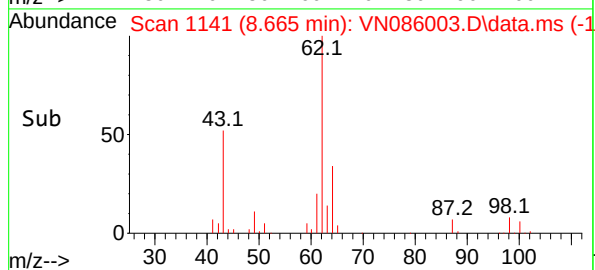
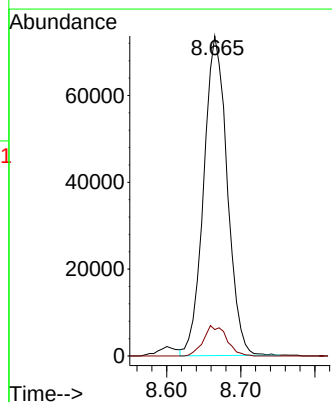
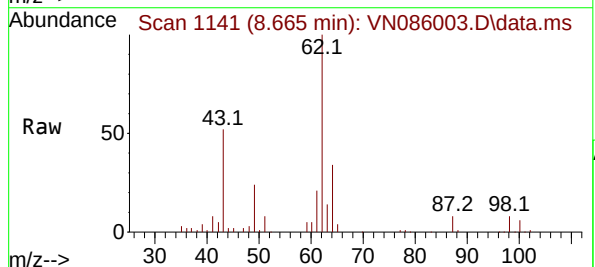
Manual Integrations
APPROVED

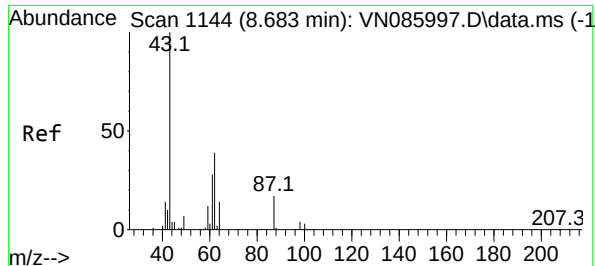
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#42
1,2-Dichloroethane
Concen: 54.822 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 62 Resp: 162271
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.6





#43

Isopropyl Acetate

Concen: 41.226 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

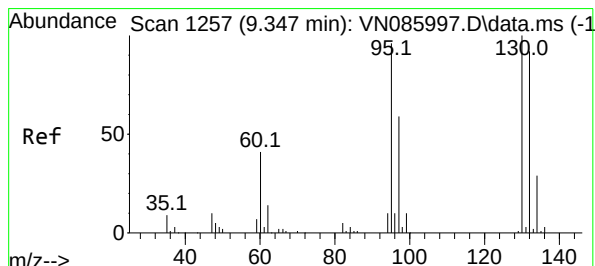
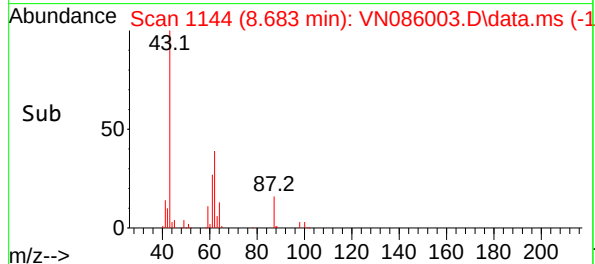
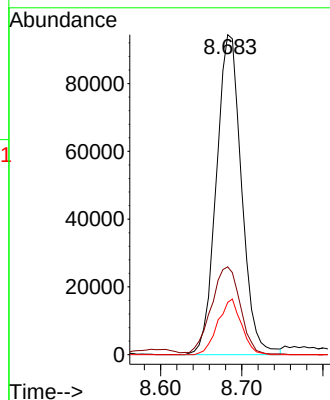
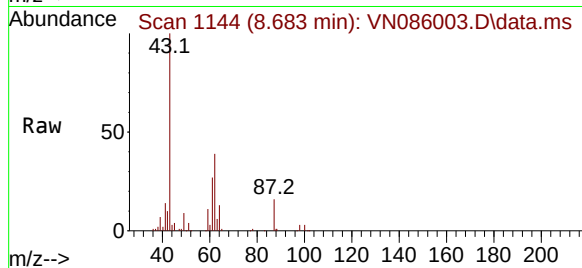
Tgt Ion:	43	Resp:	20394
Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.0	37.6
87	16.3	13.0	19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#44

Trichloroethene

Concen: 53.255 ug/l

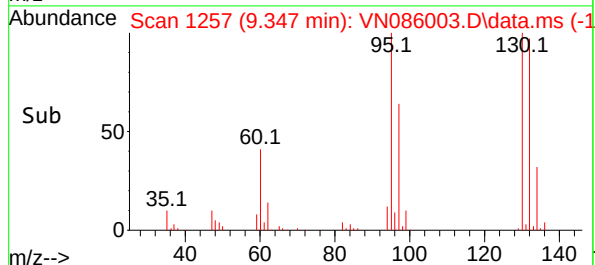
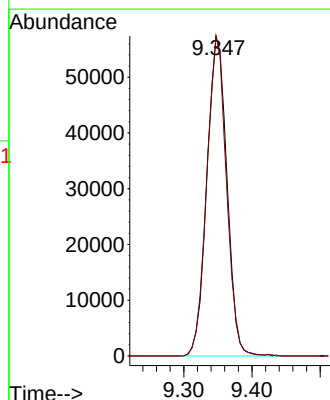
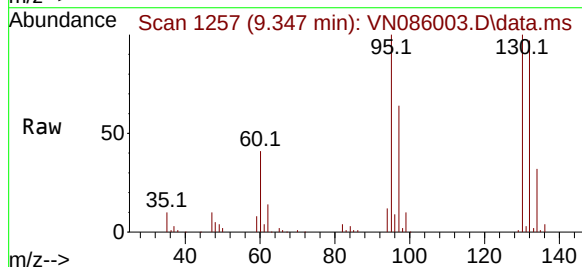
RT: 9.347 min Scan# 1257

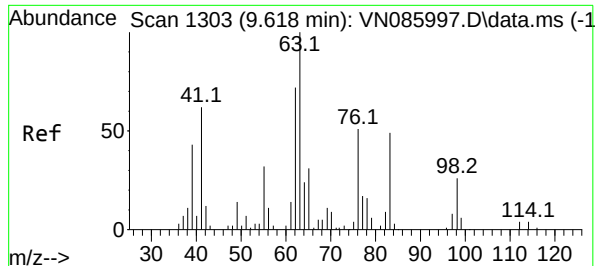
Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Tgt Ion:	130	Resp:	117248
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	191.6





#45

1,2-Dichloropropane

Concen: 57.740 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 63 Resp: 111560

Ion Ratio Lower Upper

63 100

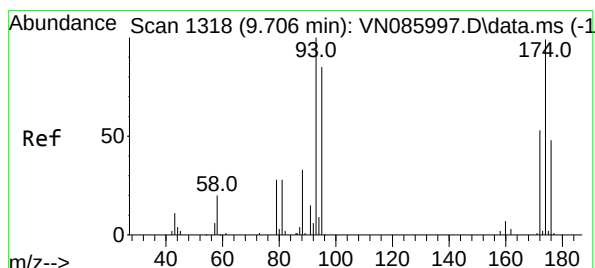
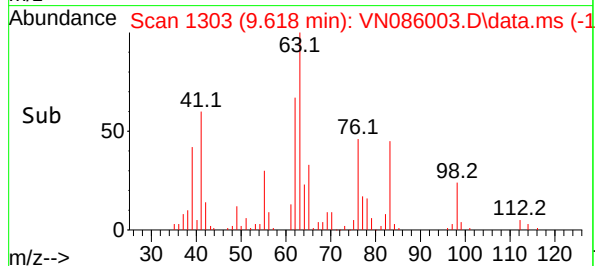
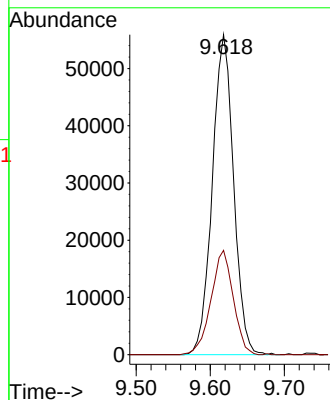
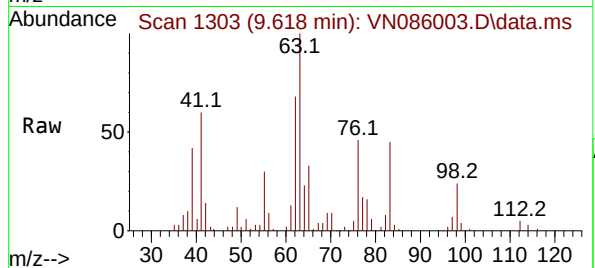
65 32.6 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#46

Dibromomethane

Concen: 56.012 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

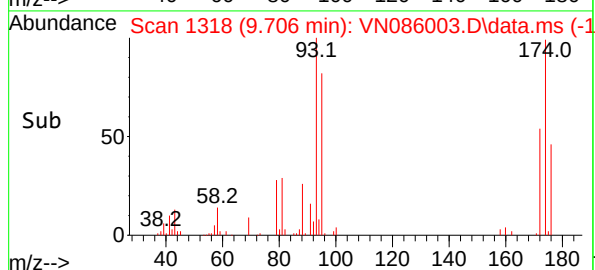
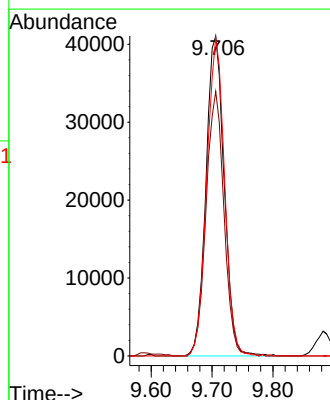
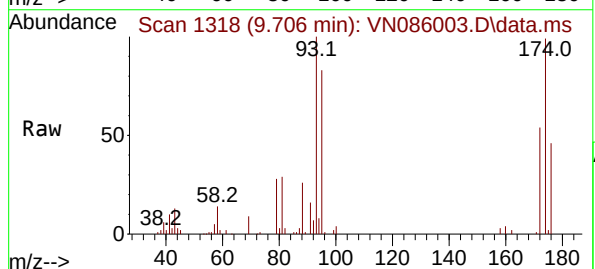
Tgt Ion: 93 Resp: 85108

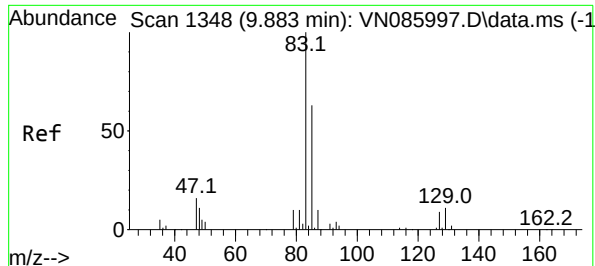
Ion Ratio Lower Upper

93 100

95 81.6 66.2 99.2

174 97.3 80.1 120.1





#47

Bromodichloromethane

Concen: 55.753 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

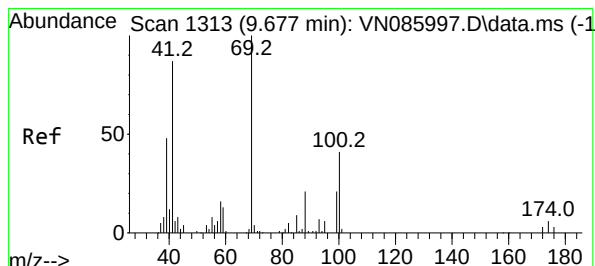
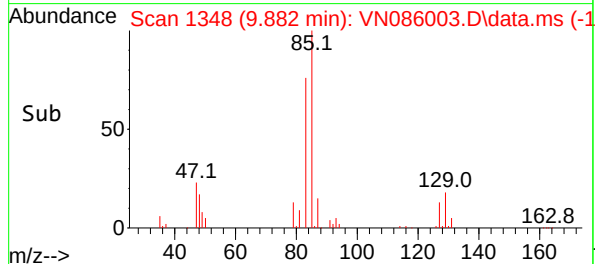
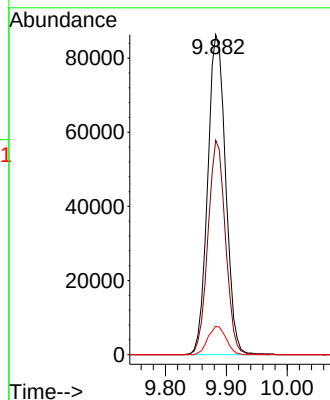
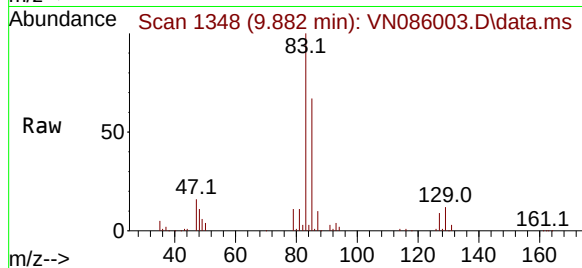
Tgt Ion:	83	Resp:	17705
Ion	Ratio	Lower	Upper
83	100		
85	67.0	50.2	75.2
127	8.9	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#48

Methyl methacrylate

Concen: 57.751 ug/l

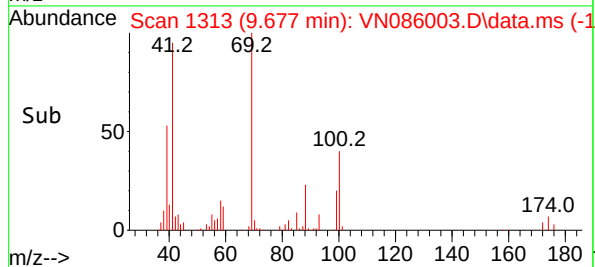
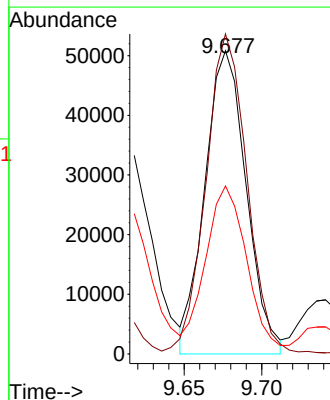
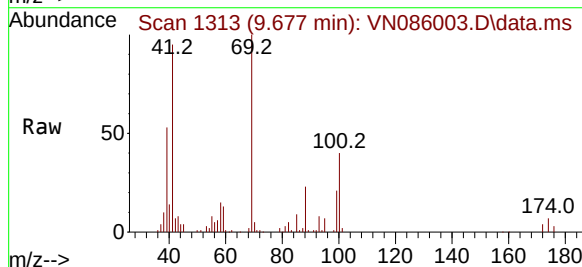
RT: 9.677 min Scan# 1313

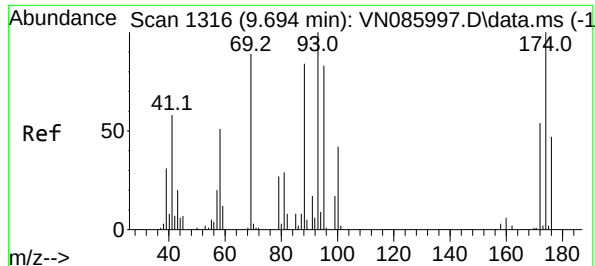
Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Tgt Ion:	41	Resp:	94275
Ion	Ratio	Lower	Upper
41	100		
69	105.3	83.1	124.7
39	55.7	45.6	68.4





#49

1,4-Dioxane

Concen: 1057.815 ug/l

RT: 9.688 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 88 Resp: 4082

Ion Ratio Lower Upper

88 100

43 25.1 21.7 32.5

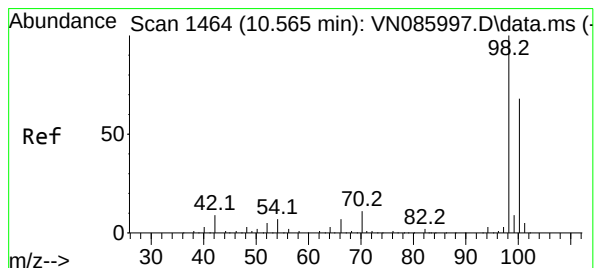
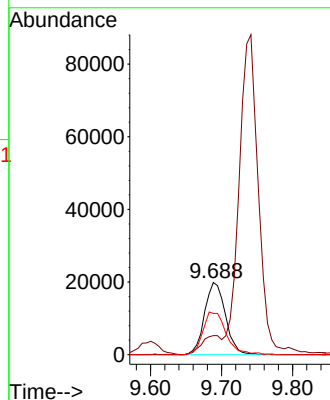
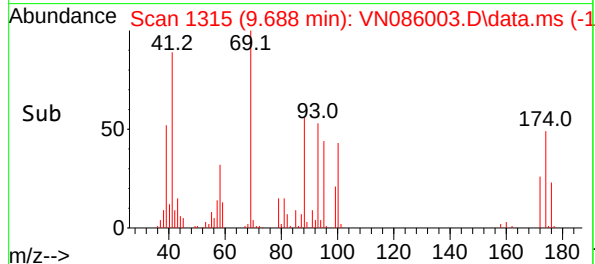
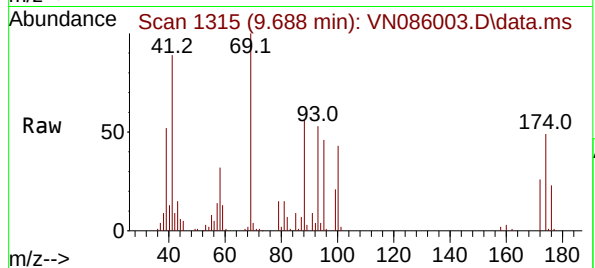
58 65.5 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#50

Toluene-d8

Concen: 51.736 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086003.D

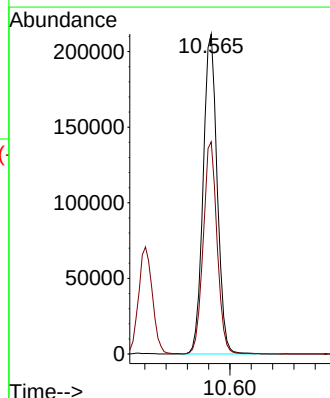
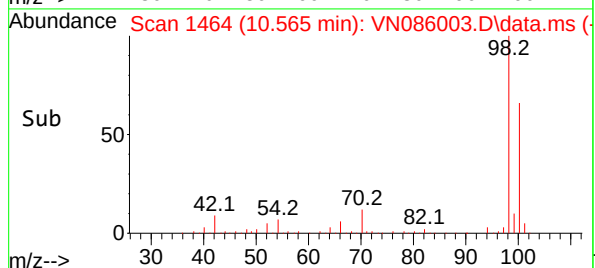
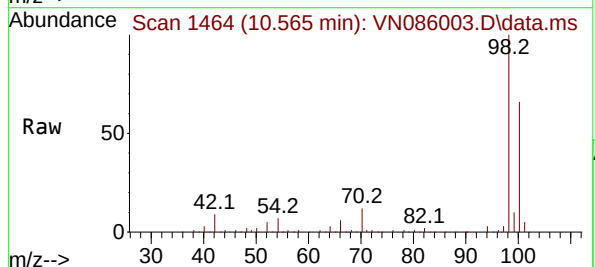
Acq: 18 Mar 2025 16:49

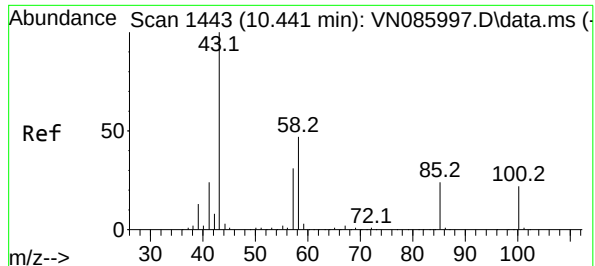
Tgt Ion: 98 Resp: 385868

Ion Ratio Lower Upper

98 100

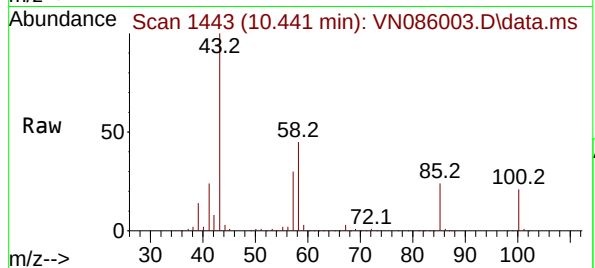
100 65.6 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 278.467 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

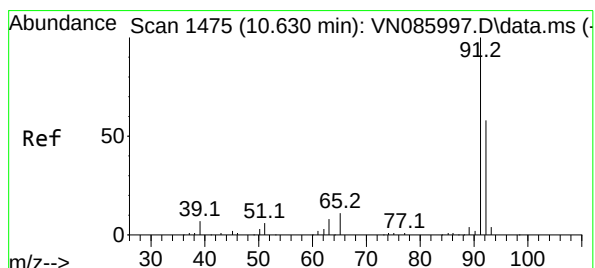
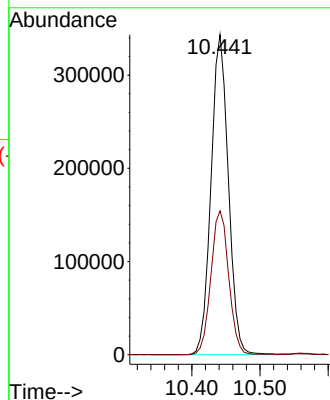
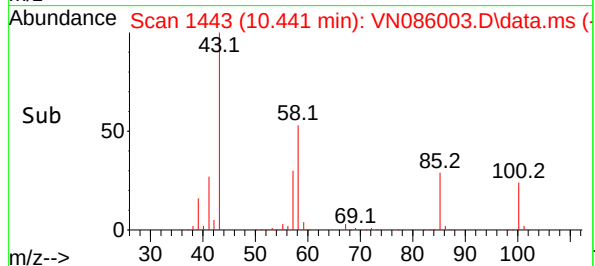
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 43 Resp: 60753
Ion Ratio Lower Upper
43 100
58 46.2 37.4 56.0

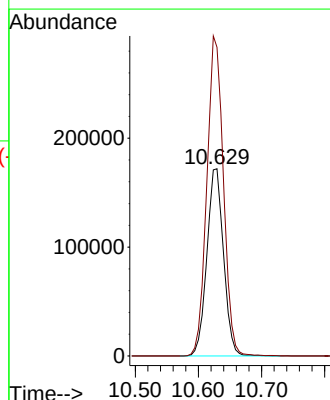
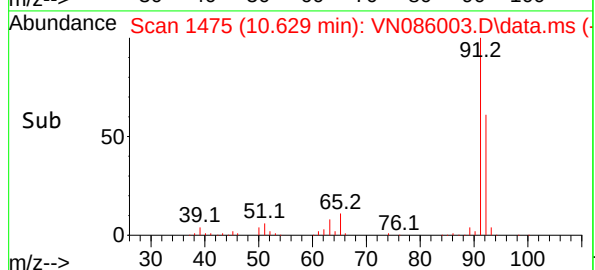
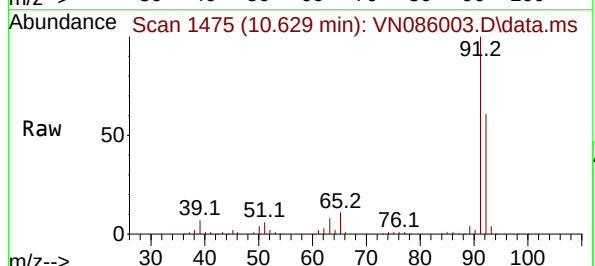
Manual Integrations
APPROVED

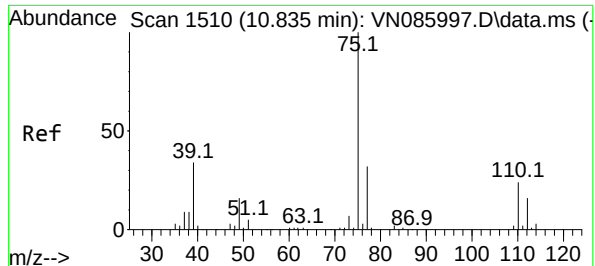
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#52
Toluene
Concen: 60.348 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

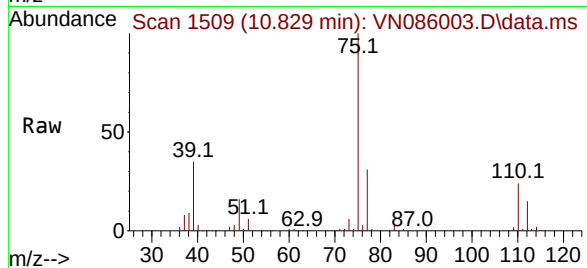
Tgt Ion: 92 Resp: 314632
Ion Ratio Lower Upper
92 100
91 169.9 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 59.689 ug/l
RT: 10.829 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

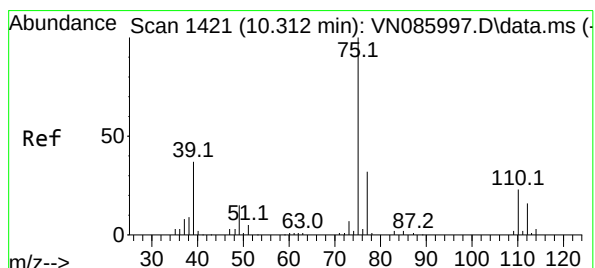
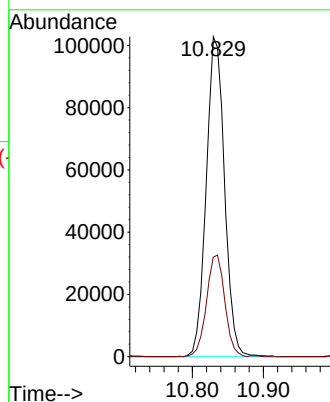
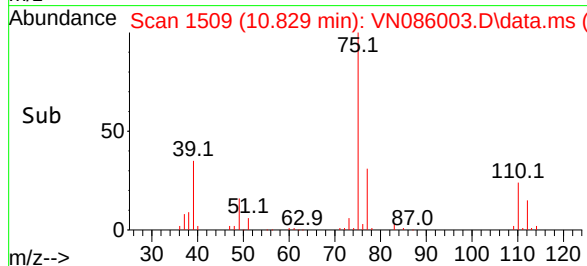
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 75 Resp: 184084
Ion Ratio Lower Upper
75 100
77 31.1 25.3 37.9

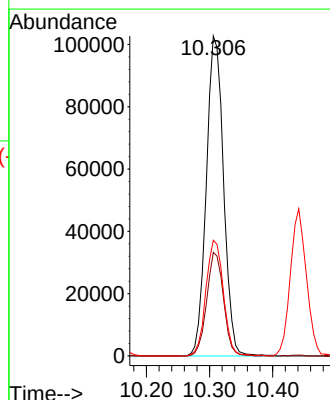
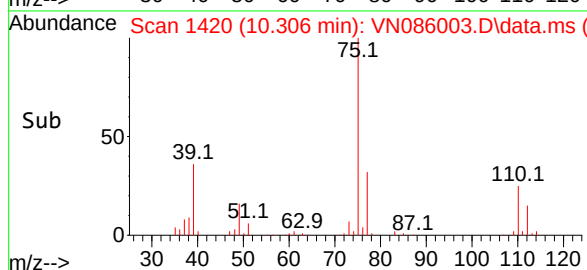
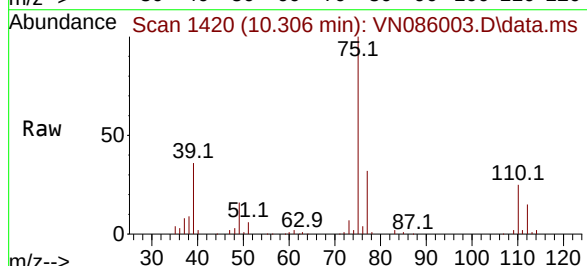
Manual Integrations
APPROVED

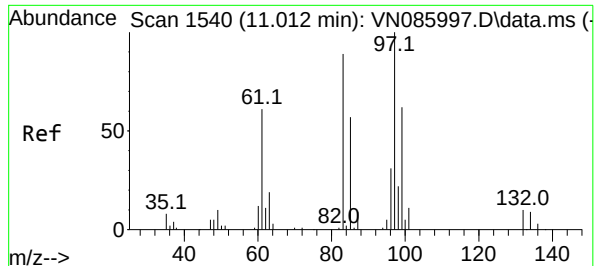
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#54
cis-1,3-Dichloropropene
Concen: 59.921 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 75 Resp: 194976
Ion Ratio Lower Upper
75 100
77 32.3 25.3 37.9
39 36.2 29.6 44.4





#55

1,1,2-Trichloroethane

Concen: 56.064 ug/l

RT: 11.012 min Scan# 1156

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 97 Resp: 11156

Ion Ratio Lower Upper

97 100

83 83.8 71.2 106.8

85 54.4 45.4 68.0

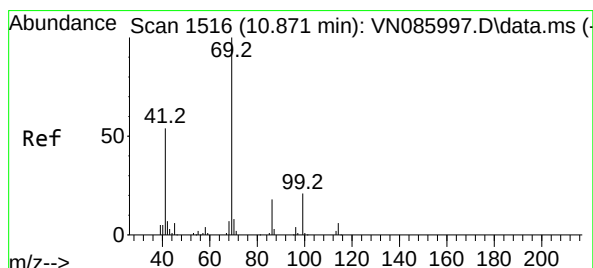
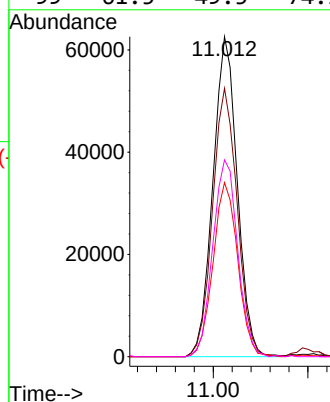
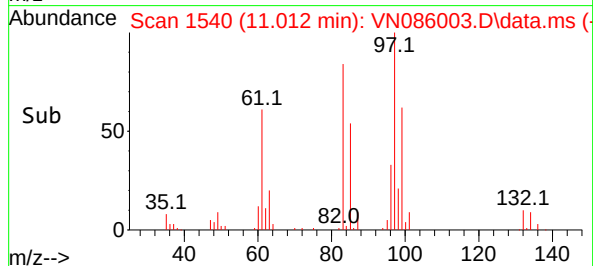
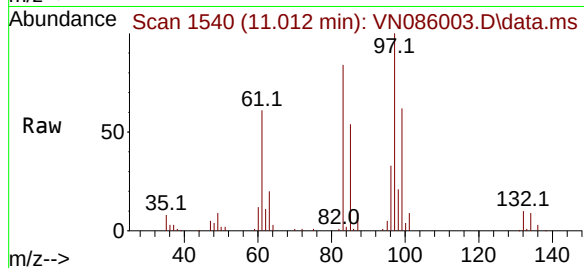
99 61.5 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#56

Ethyl methacrylate

Concen: 55.208 ug/l

RT: 10.871 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

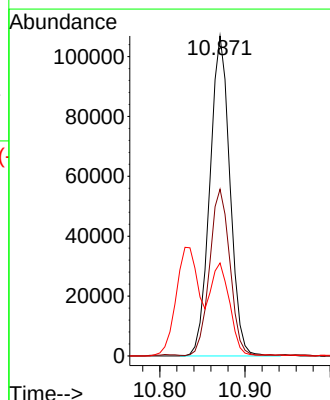
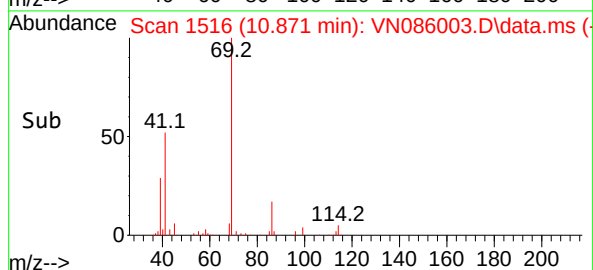
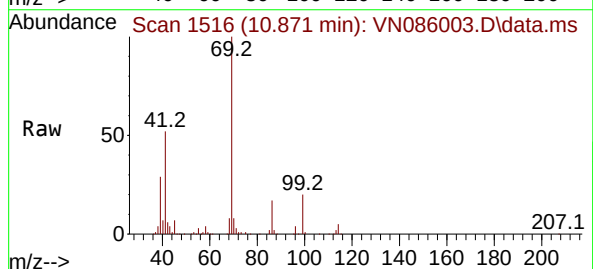
Tgt Ion: 69 Resp: 174971

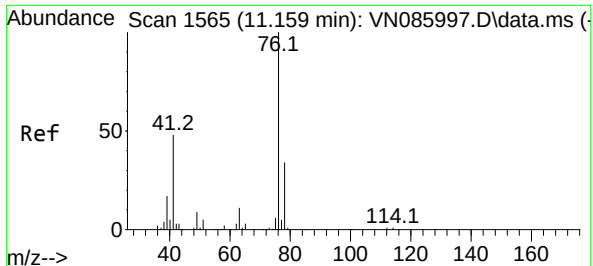
Ion Ratio Lower Upper

69 100

41 52.3 41.6 62.4

39 26.9 21.8 32.8





#57

1,3-Dichloropropane

Concen: 57.684 ug/l

RT: 11.159 min Scan# 1565

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICV031825

Tgt Ion: 76 Resp: 194964

Ion Ratio Lower Upper

76 100

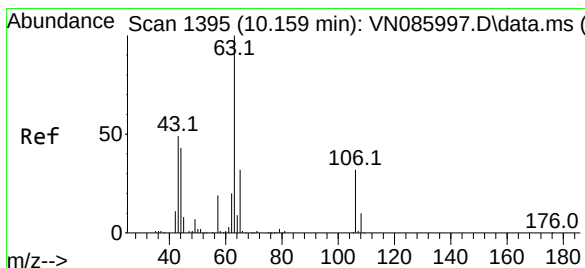
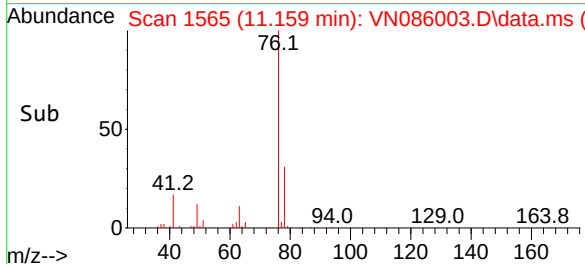
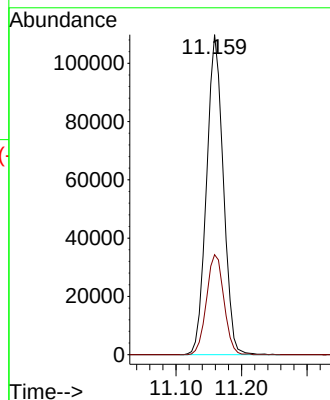
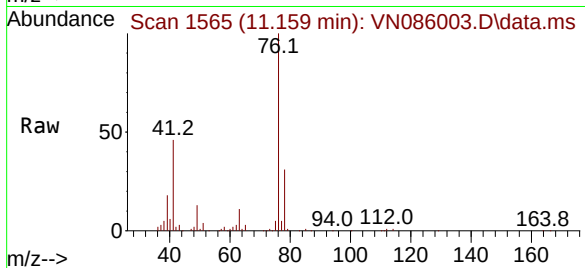
78 32.5 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#58

2-Chloroethyl Vinyl ether

Concen: 306.978 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN086003.D

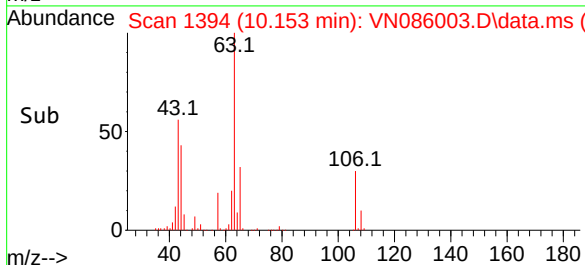
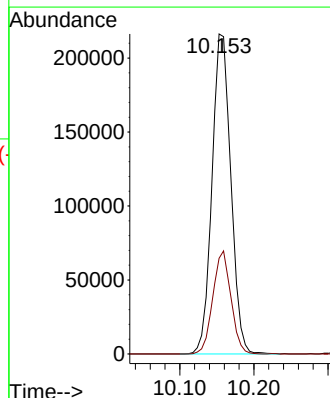
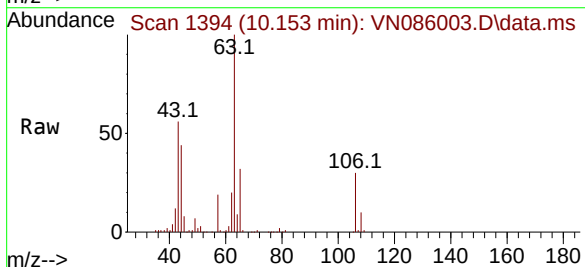
Acq: 18 Mar 2025 16:49

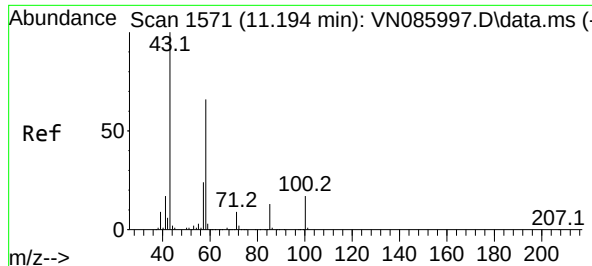
Tgt Ion: 63 Resp: 382073

Ion Ratio Lower Upper

63 100

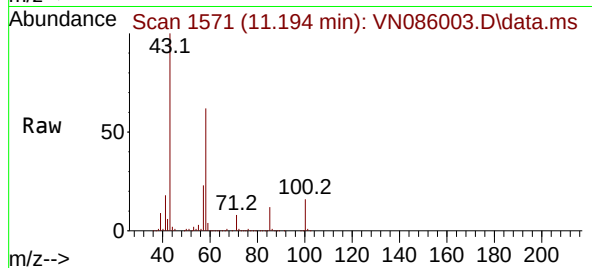
106 30.9 25.0 37.6





#59
2-Hexanone
Concen: 282.228 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

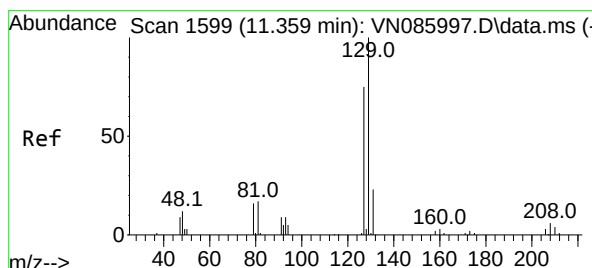
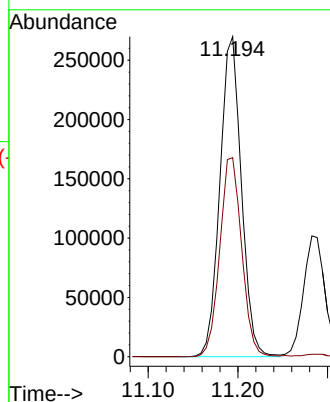
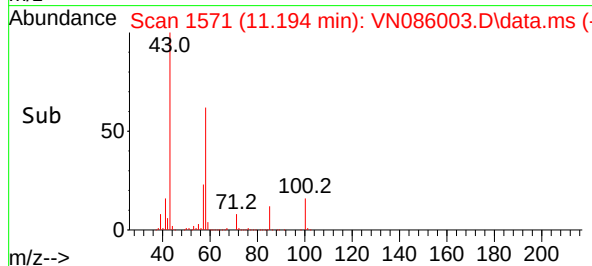
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 43 Resp: 448560
Ion Ratio Lower Upper
43 100
58 63.5 32.4 97.2

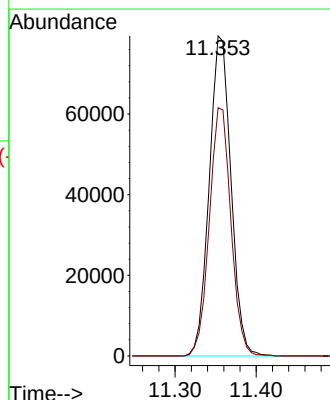
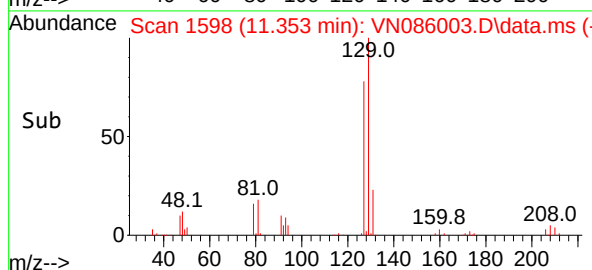
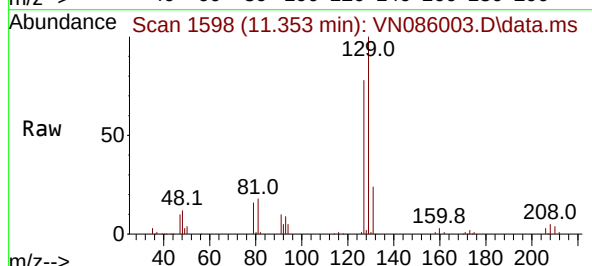
Manual Integrations
APPROVED

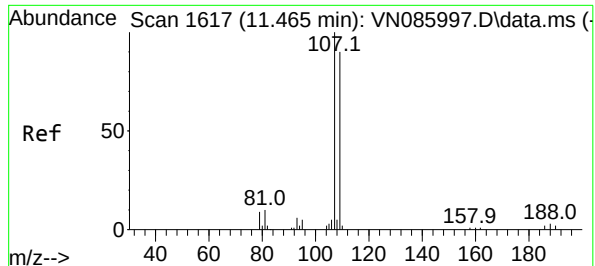
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#60
Dibromochloromethane
Concen: 57.477 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion:129 Resp: 147588
Ion Ratio Lower Upper
129 100
127 77.0 37.8 113.4





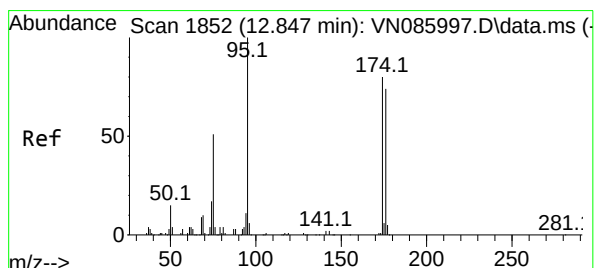
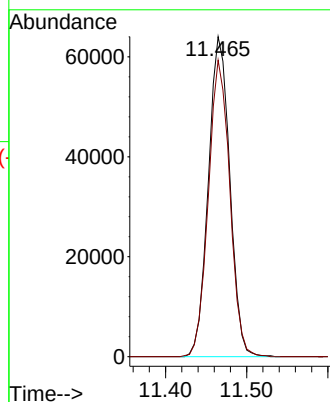
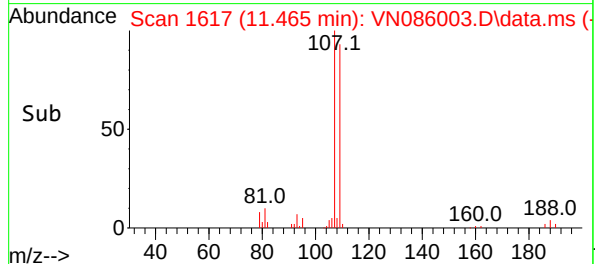
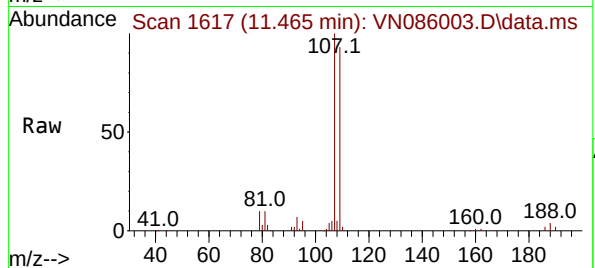
#61
1,2-Dibromoethane
Concen: 57.545 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion:107 Resp: 117559
Ion Ratio Lower Upper
107 100
109 92.7 73.3 109.9

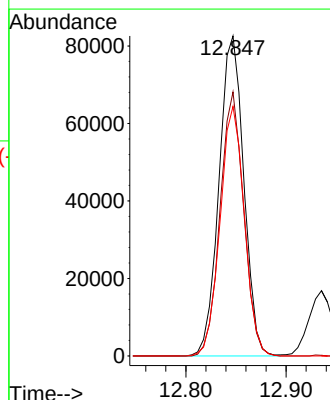
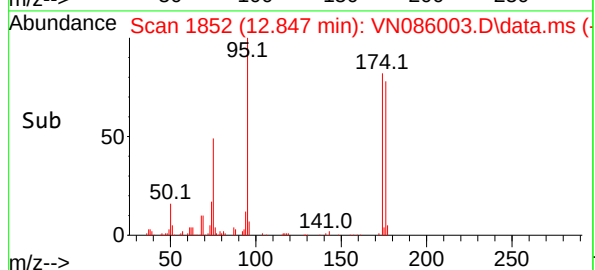
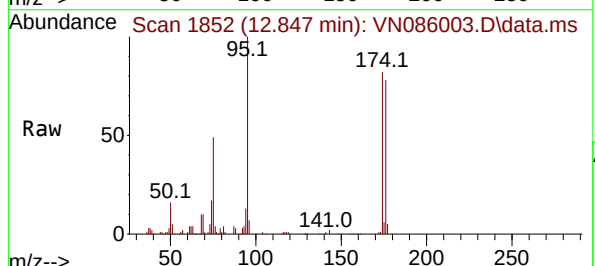
Manual Integrations
APPROVED

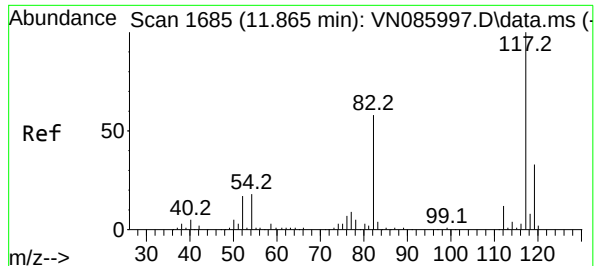
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#62
4-Bromofluorobenzene
Concen: 53.231 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 95 Resp: 141589
Ion Ratio Lower Upper
95 100
174 78.6 0.0 156.8
176 76.5 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.859 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion:117 Resp: 272130

Ion Ratio Lower Upper

117 100

82 54.8 46.7 70.1

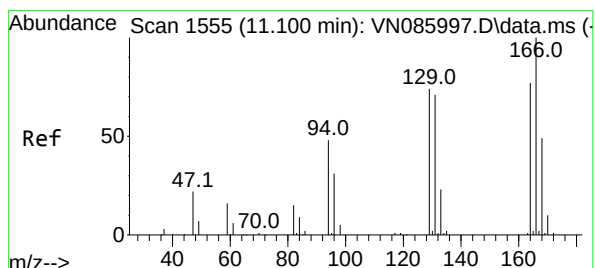
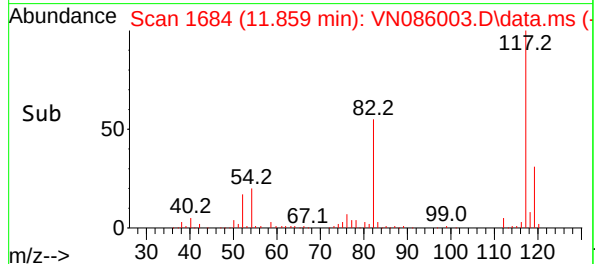
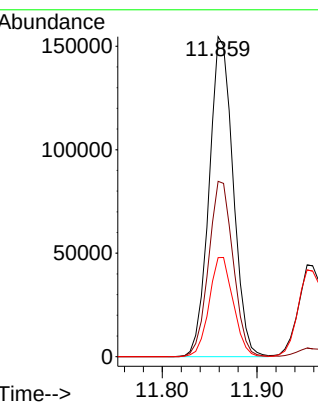
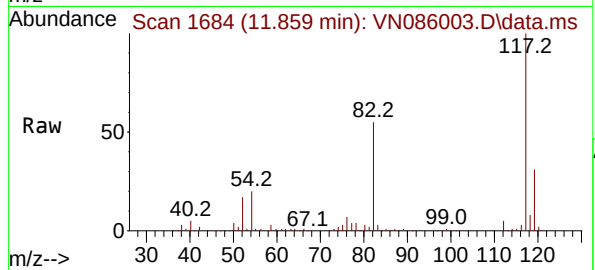
119 31.0 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#64

Tetrachloroethene

Concen: 52.844 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Tgt Ion:164 Resp: 114717

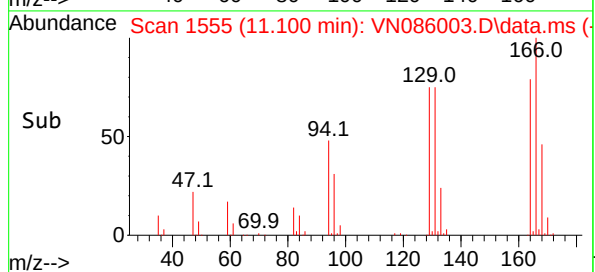
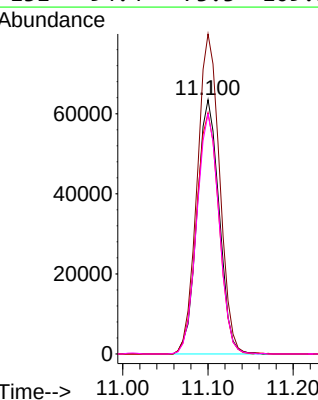
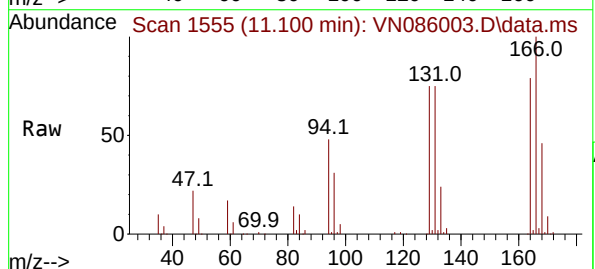
Ion Ratio Lower Upper

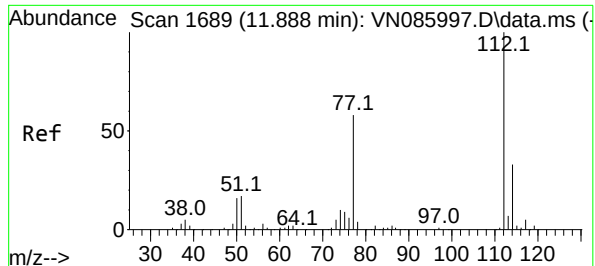
164 100

166 125.8 103.7 155.5

129 94.8 77.1 115.7

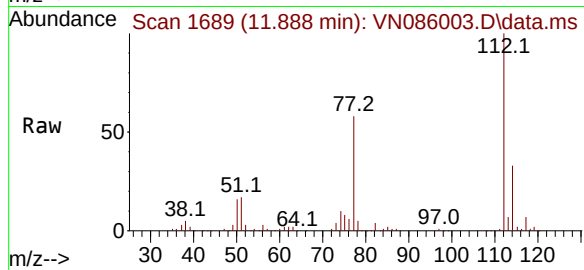
131 94.4 73.3 109.9





#65
Chlorobenzene
Concen: 53.783 ug/l
RT: 11.888 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

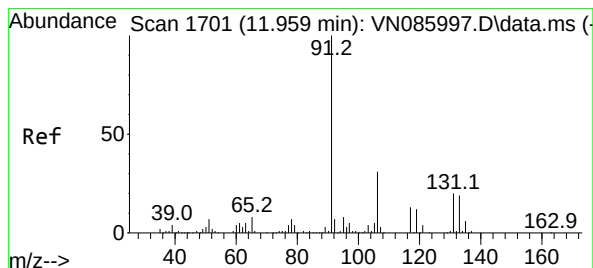
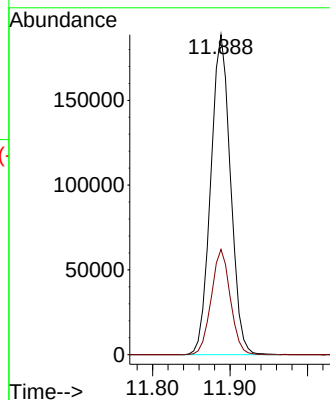
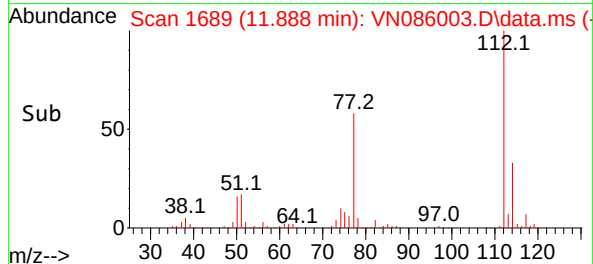
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion:112 Resp: 33492
Ion Ratio Lower Upper
112 100
114 32.9 26.3 39.5

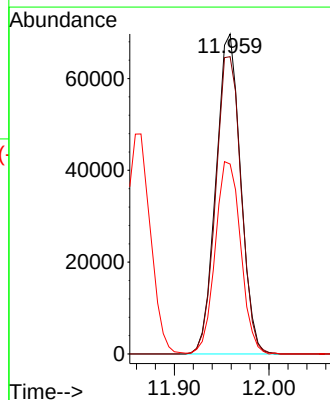
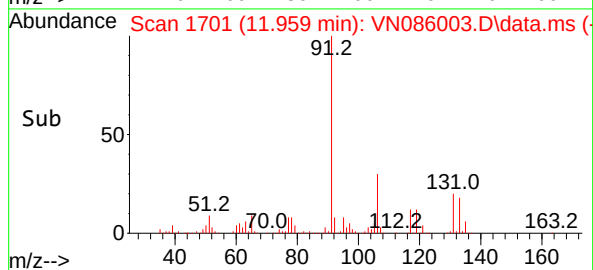
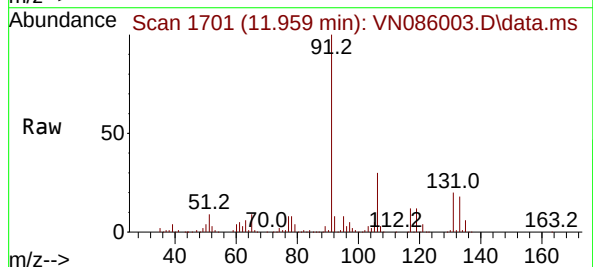
Manual Integrations
APPROVED

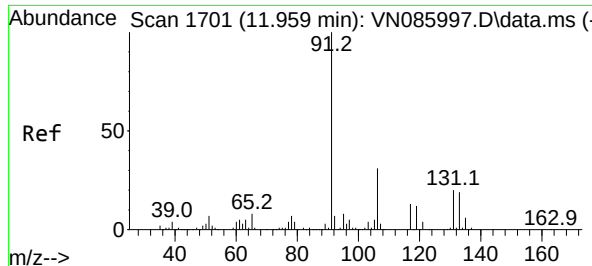
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 54.515 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion:131 Resp: 126196
Ion Ratio Lower Upper
131 100
133 96.1 47.0 141.0
119 62.1 31.4 94.0





#67

Ethyl Benzene

Concen: 59.592 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 91 Resp: 593609

Ion Ratio Lower Upper

91 100

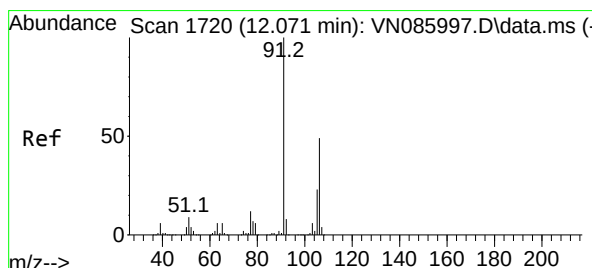
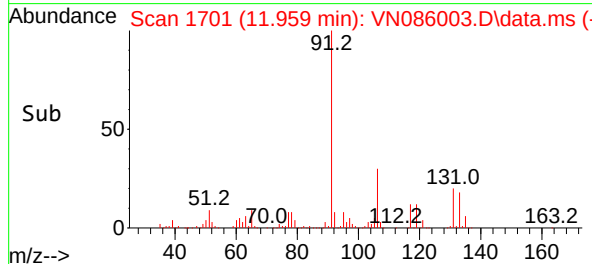
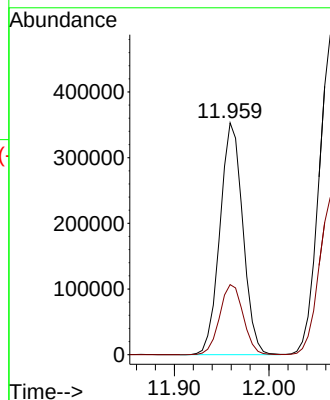
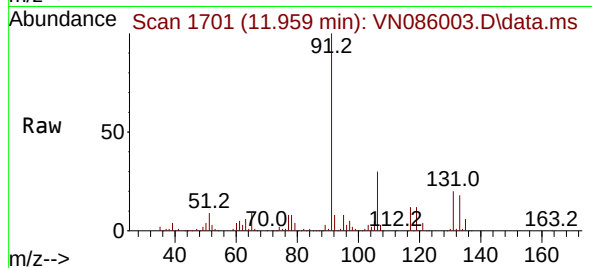
106 30.2 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#68

m/p-Xylenes

Concen: 120.622 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN086003.D

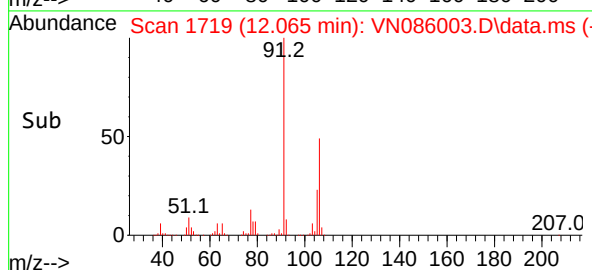
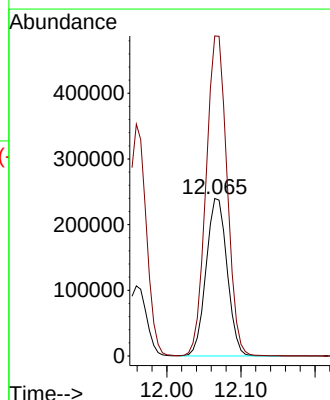
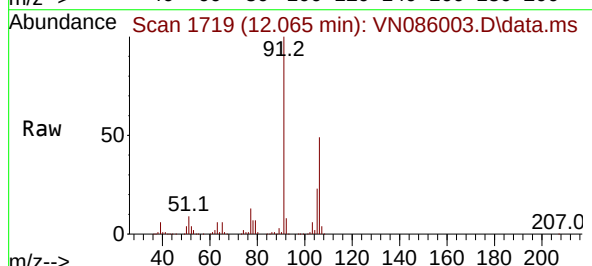
Acq: 18 Mar 2025 16:49

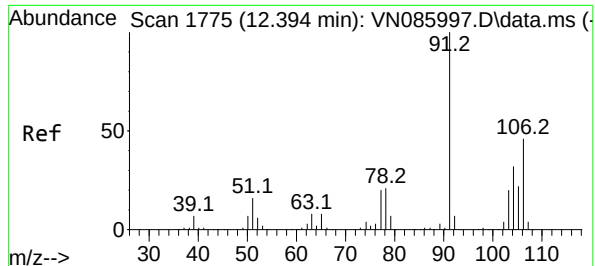
Tgt Ion:106 Resp: 472258

Ion Ratio Lower Upper

106 100

91 203.2 163.9 245.9





#69

o-Xylene

Concen: 62.069 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion:106 Resp: 223040

Ion Ratio Lower Upper

106 100

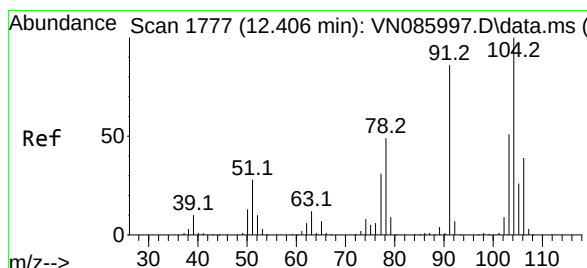
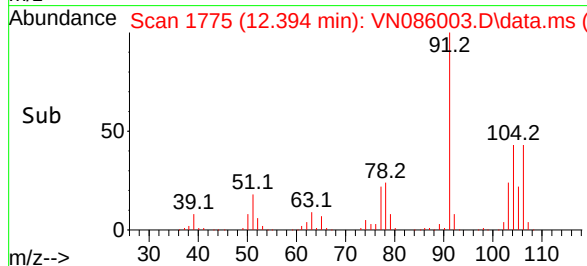
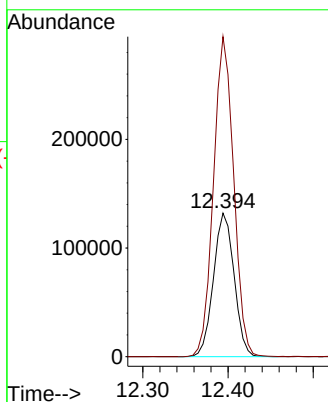
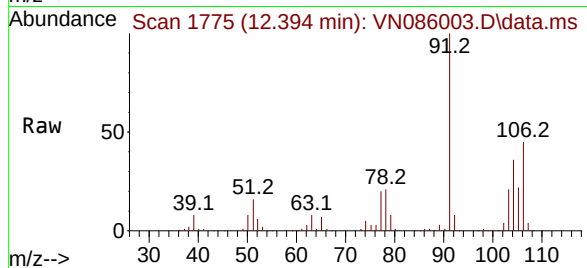
91 218.1 109.1 327.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#70

Styrene

Concen: 61.658 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

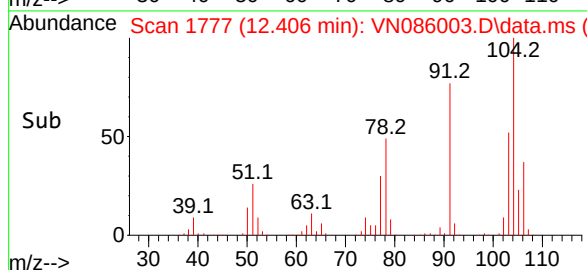
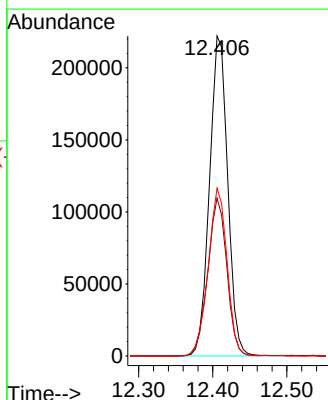
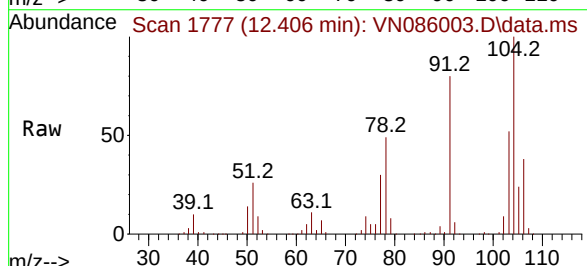
Tgt Ion:104 Resp: 378434

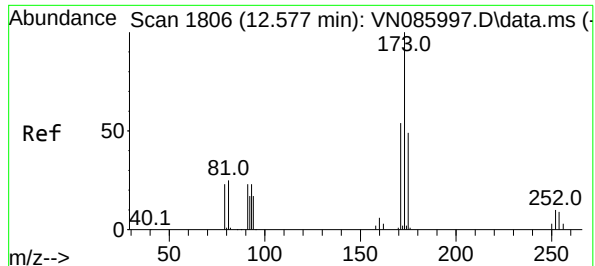
Ion Ratio Lower Upper

104 100

78 51.9 41.4 62.2

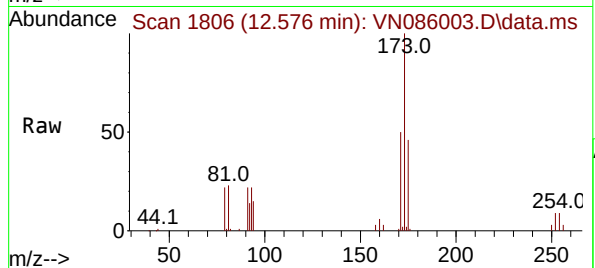
103 54.2 42.9 64.3





#71
Bromoform
Concen: 53.714 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

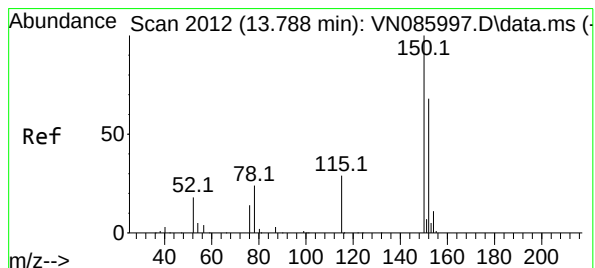
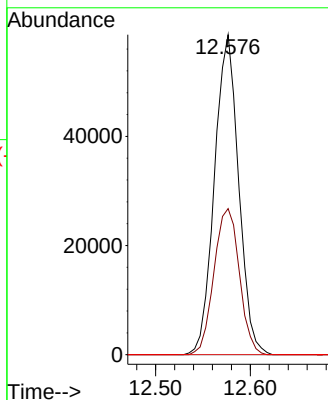
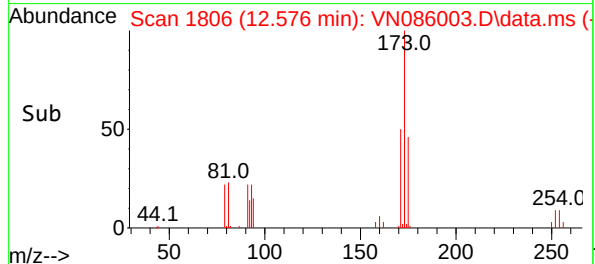
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



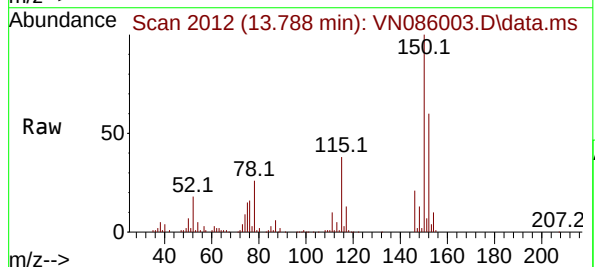
Tgt Ion:173 Resp: 10394
Ion Ratio Lower Upper
173 100
175 47.9 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
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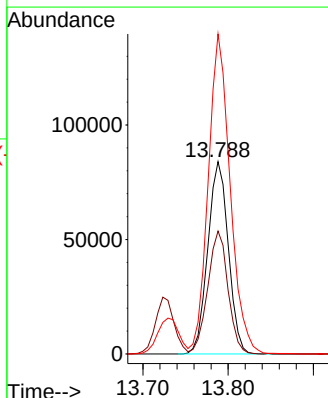
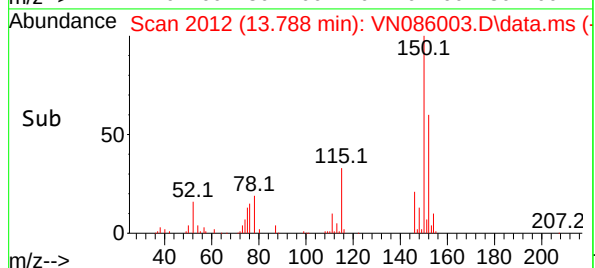
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

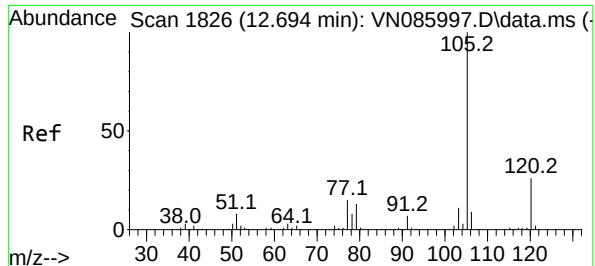


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49



Tgt Ion:152 Resp: 140427
Ion Ratio Lower Upper
152 100
115 62.9 31.1 93.2
150 178.0 0.0 359.6





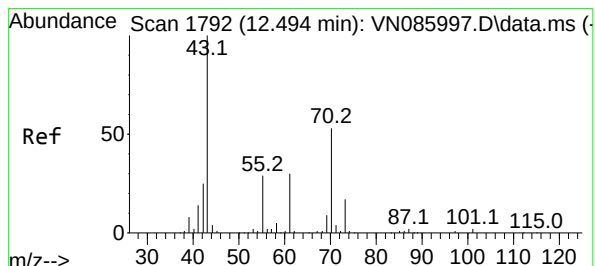
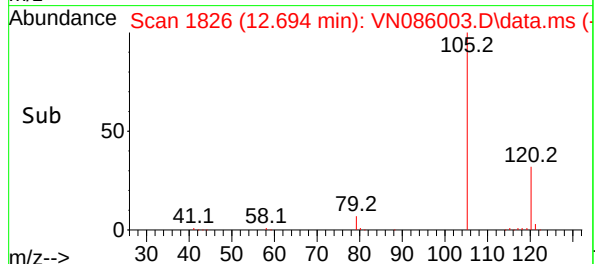
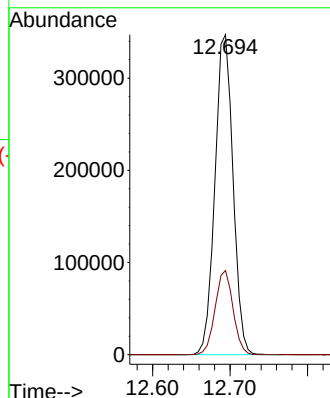
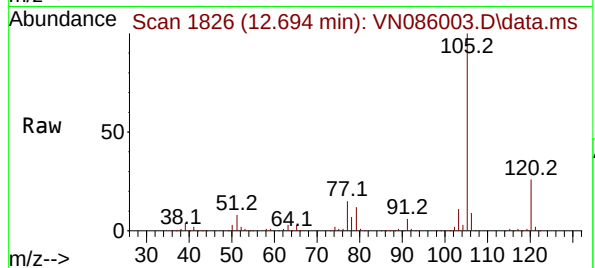
#73
Isopropylbenzene
Concen: 58.664 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion:105 Resp: 56256
Ion Ratio Lower Upper
105 100
120 26.0 13.0 39.0

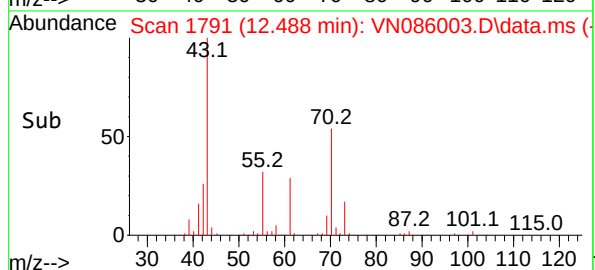
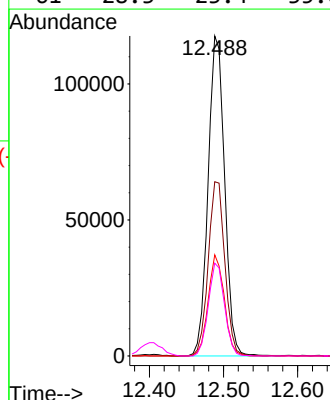
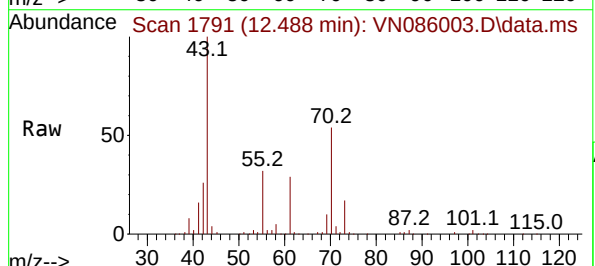
Manual Integrations
APPROVED

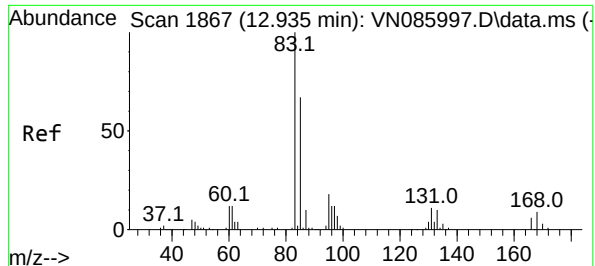
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#74
N-ethyl acetate
Concen: 56.839 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

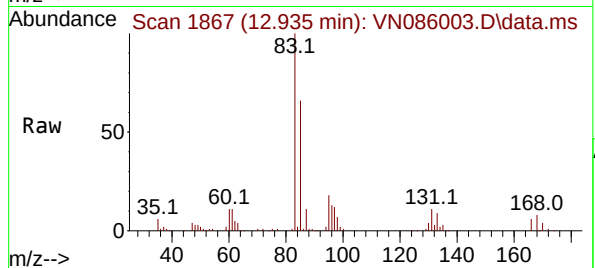
Tgt Ion: 43 Resp: 182359
Ion Ratio Lower Upper
43 100
70 54.7 43.0 64.4
55 30.9 23.8 35.8
61 28.3 23.4 35.0





#75
1,1,2,2-Tetrachloroethane
Concen: 49.586 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

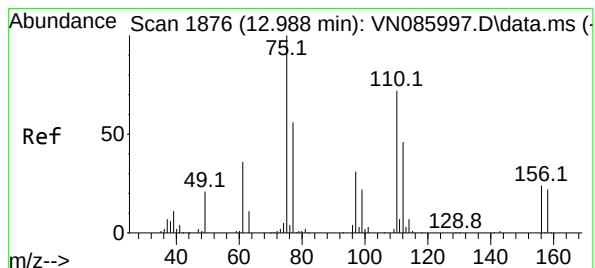
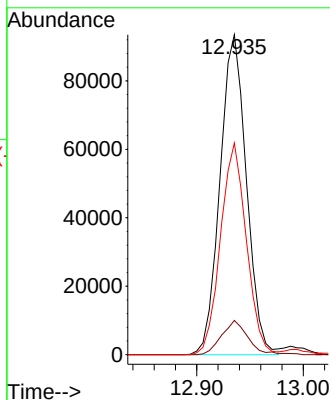
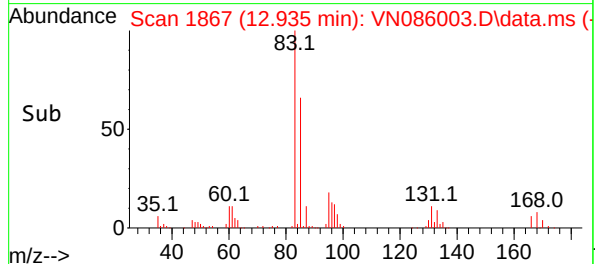
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 83 Resp: 160873
Ion Ratio Lower Upper
83 100
131 10.7 5.5 16.5
85 64.7 32.6 97.8

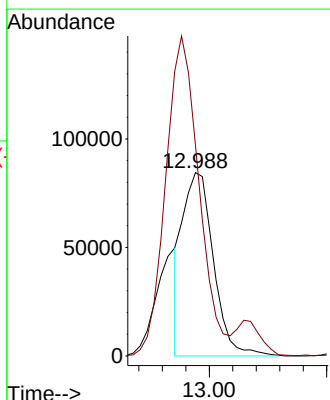
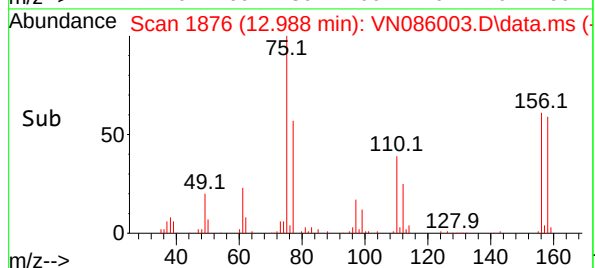
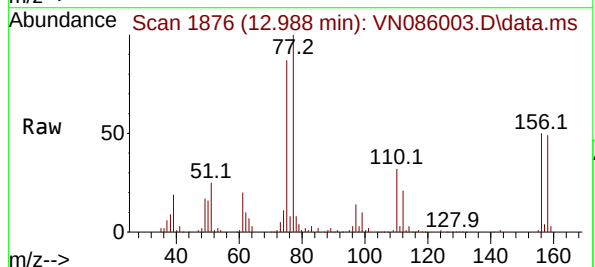
Manual Integrations
APPROVED

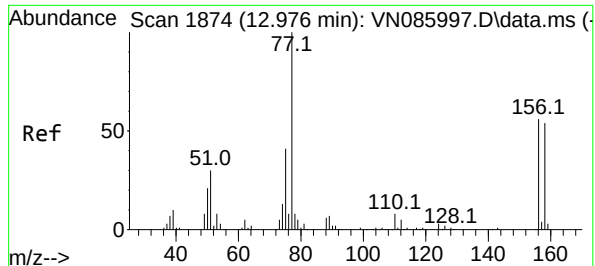
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#76
1,2,3-Trichloropropane
Concen: 48.944 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

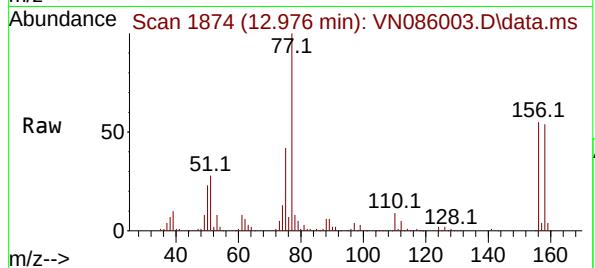
Tgt Ion: 75 Resp: 153873
Ion Ratio Lower Upper
75 100
77 189.6 83.7 251.0





#77
Bromobenzene
Concen: 53.193 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

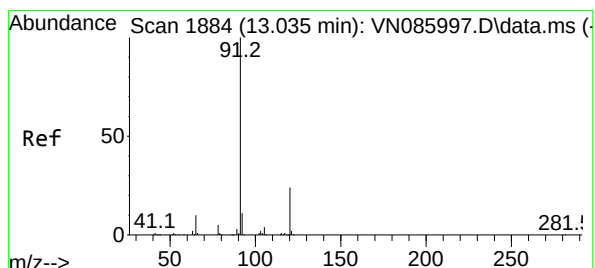
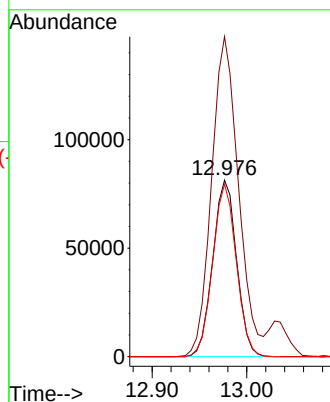
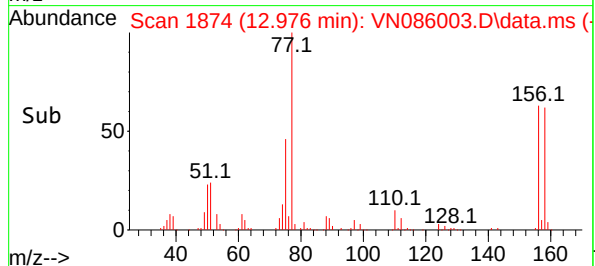
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion:156 Resp: 142234
Ion Ratio Lower Upper
156 100
77 205.1 104.1 312.3
158 96.8 49.0 147.0

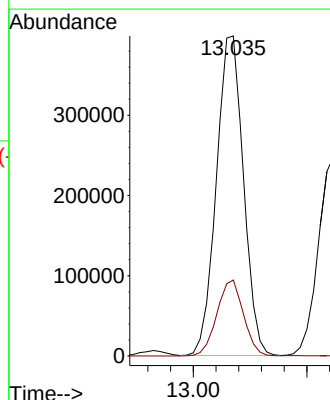
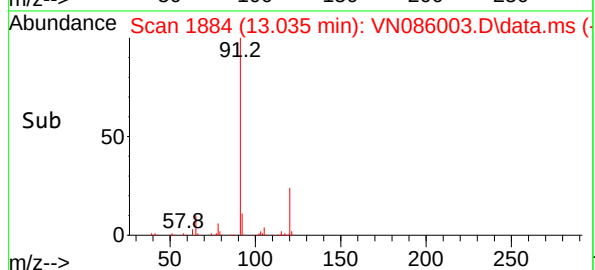
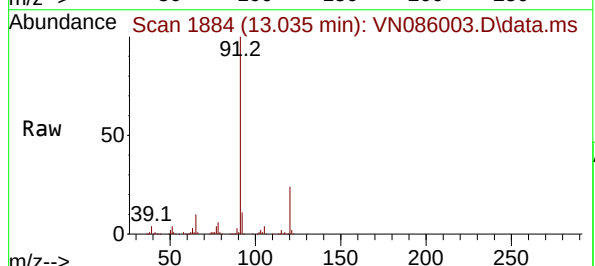
Manual Integrations
APPROVED

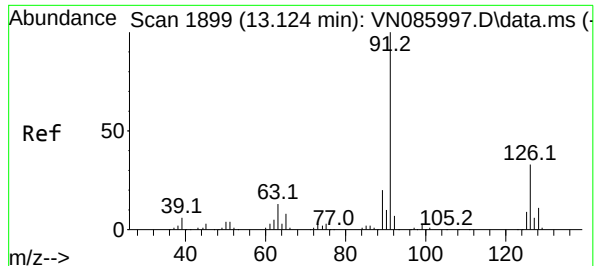
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#78
n-propylbenzene
Concen: 60.807 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion: 91 Resp: 660295
Ion Ratio Lower Upper
91 100
120 23.2 11.7 35.0





#79

2-Chlorotoluene

Concen: 57.461 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion: 91 Resp: 41444

Ion Ratio Lower Upper

91 100

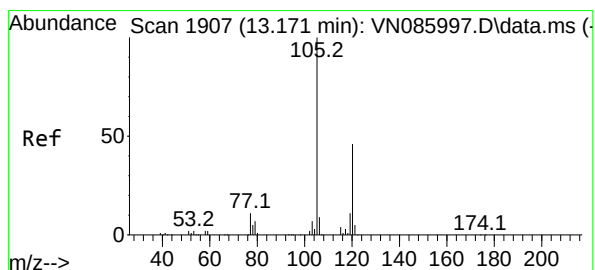
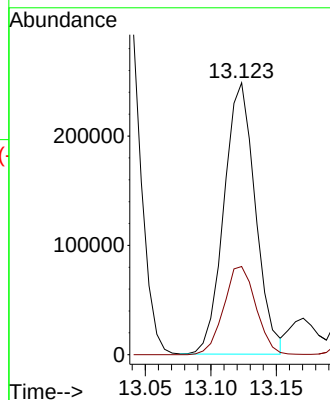
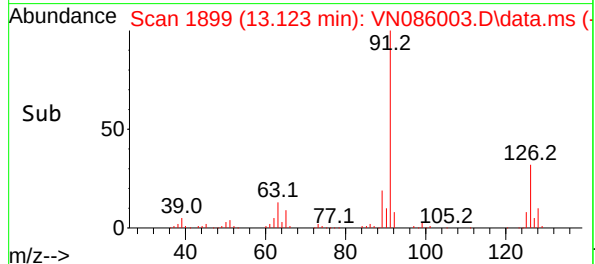
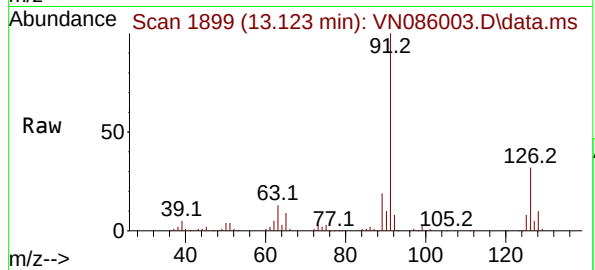
126 33.3 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#80

1,3,5-Trimethylbenzene

Concen: 60.712 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086003.D

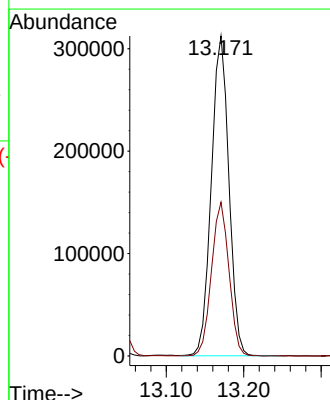
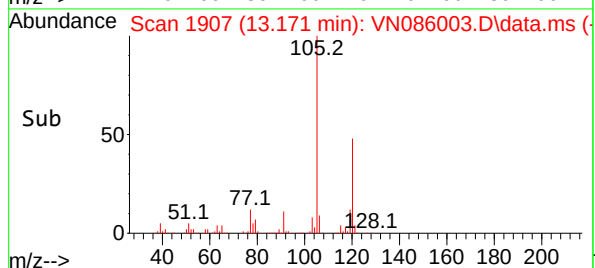
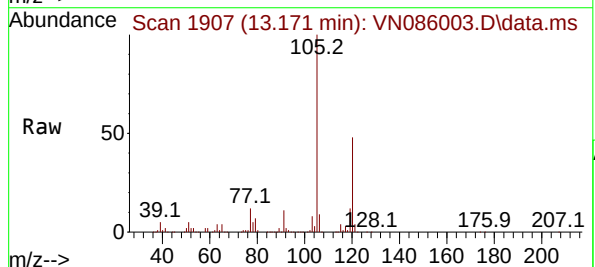
Acq: 18 Mar 2025 16:49

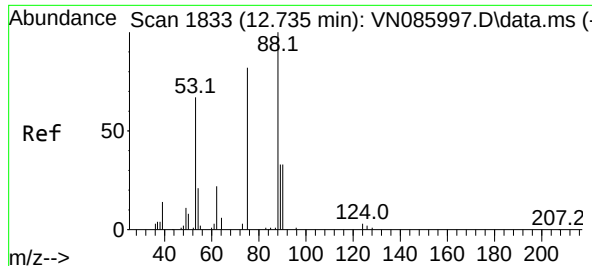
Tgt Ion:105 Resp: 491547

Ion Ratio Lower Upper

105 100

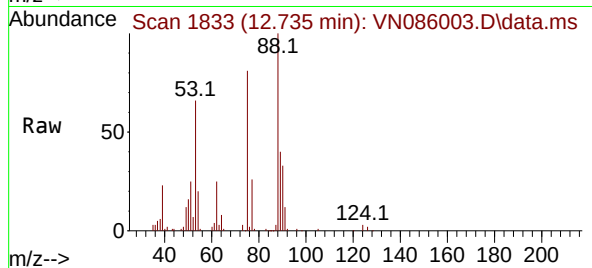
120 47.9 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 57.589 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

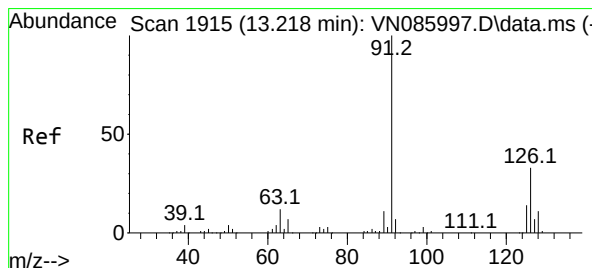
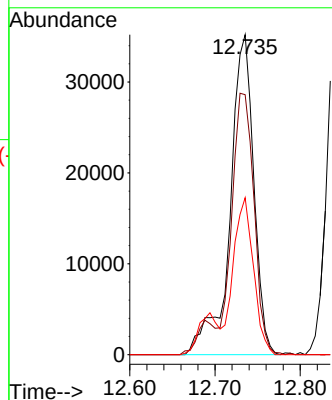
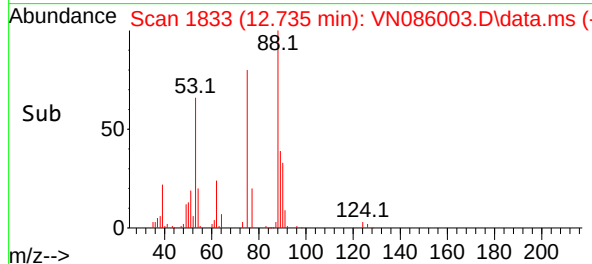
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion: 75 Resp: 6848
Ion Ratio Lower Upper
75 100
53 76.5 66.0 99.0
89 41.9 36.9 55.3

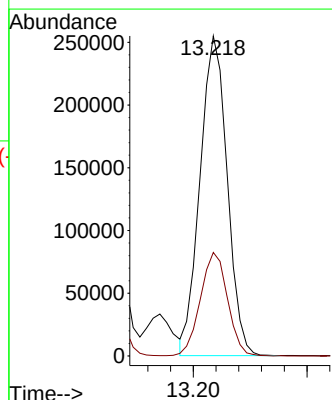
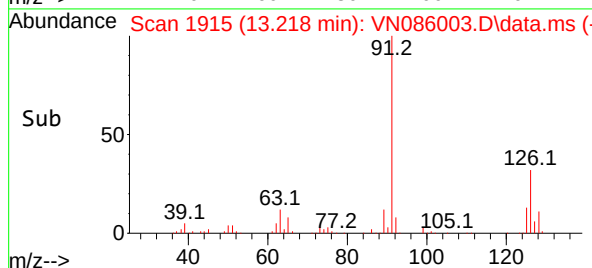
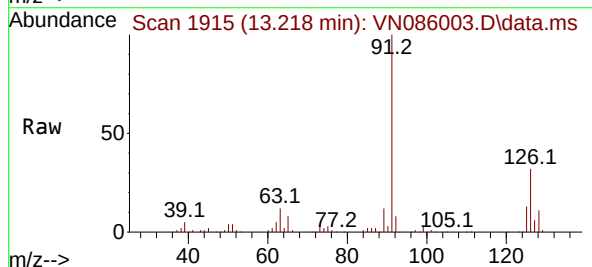
Manual Integrations
APPROVED

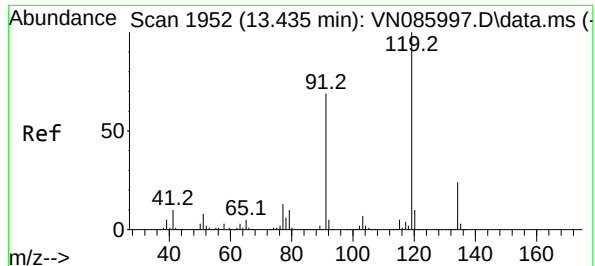
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#82
4-Chlorotoluene
Concen: 56.898 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

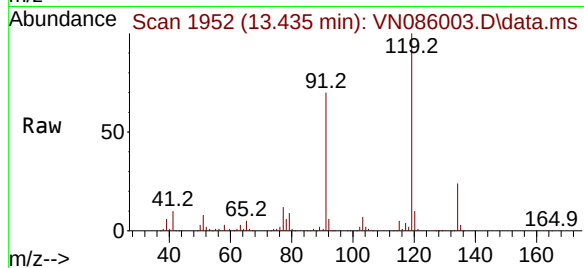
Tgt Ion: 91 Resp: 422016
Ion Ratio Lower Upper
91 100
126 32.4 16.1 48.2





#83
tert-Butylbenzene
Concen: 58.608 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

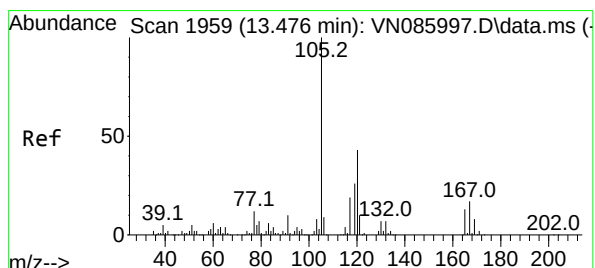
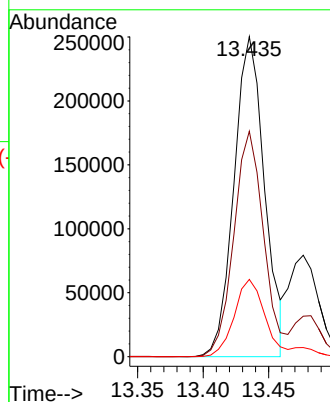
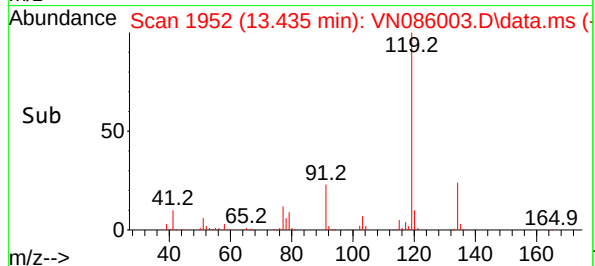
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion:119 Resp: 40583
Ion Ratio Lower Upper
119 100
91 69.7 34.3 102.9
134 24.2 13.5 40.5

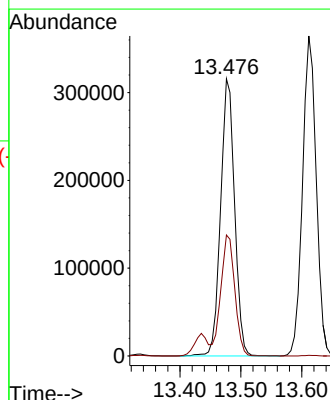
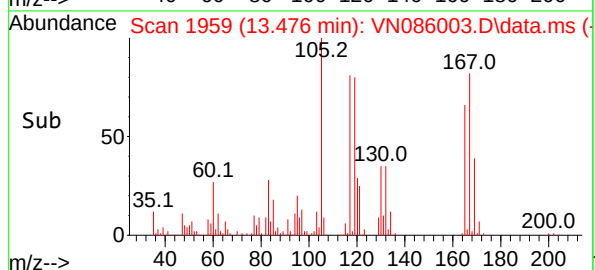
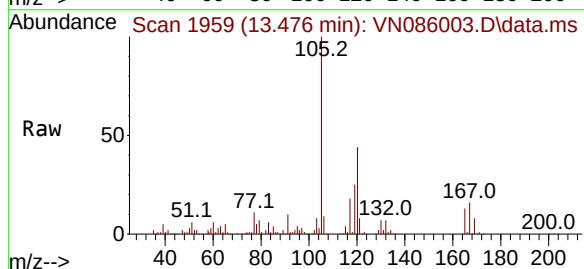
Manual Integrations
APPROVED

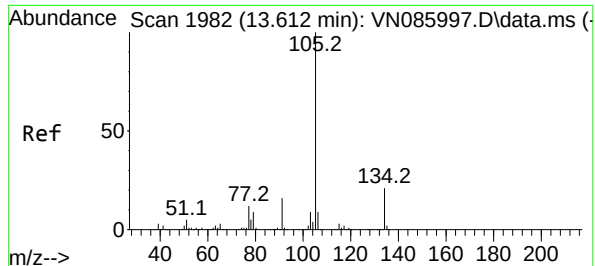
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#84
1,2,4-Trimethylbenzene
Concen: 61.674 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion:105 Resp: 503636
Ion Ratio Lower Upper
105 100
120 44.2 21.9 65.8





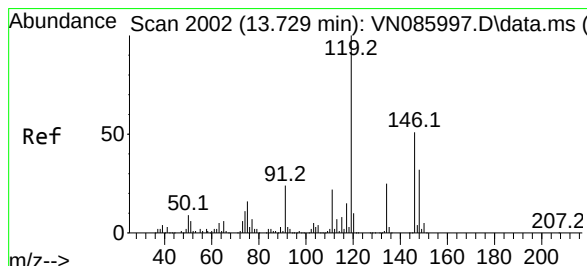
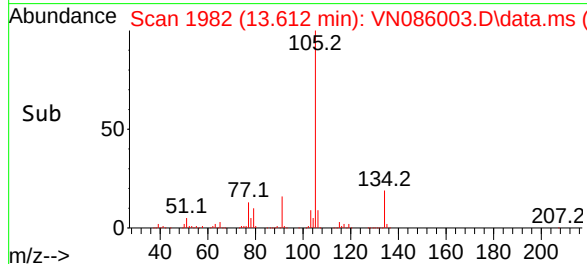
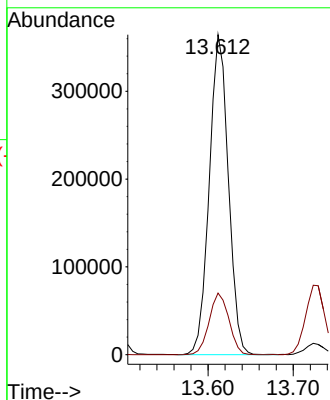
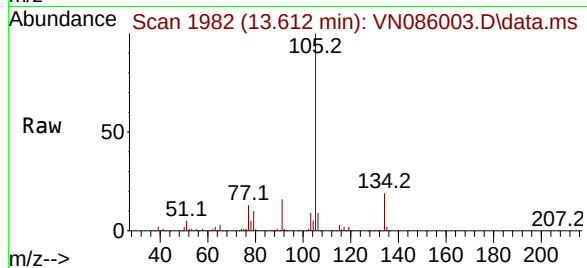
#85
sec-Butylbenzene
Concen: 62.874 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Tgt Ion:105 Resp: 567954
Ion Ratio Lower Upper
105 100
134 19.9 10.1 30.1

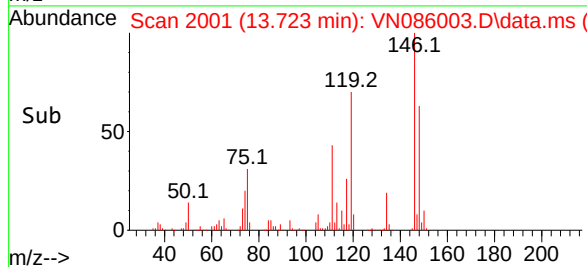
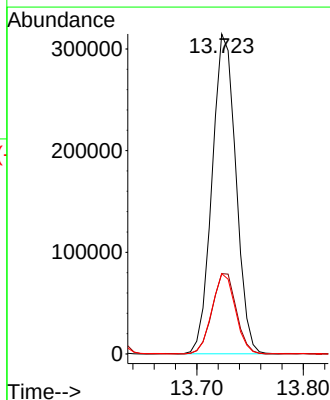
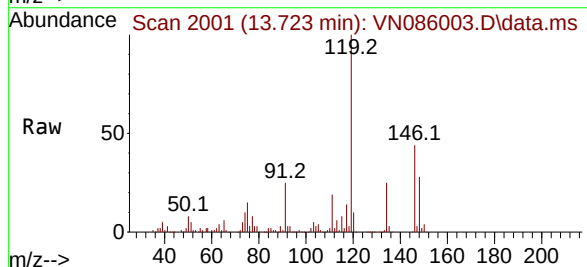
Manual Integrations
APPROVED

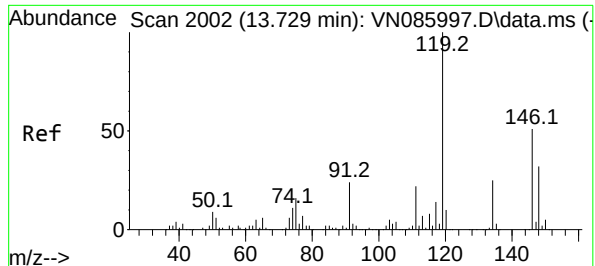
Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#86
p-Isopropyltoluene
Concen: 63.821 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion:119 Resp: 488020
Ion Ratio Lower Upper
119 100
134 25.6 12.6 37.8
91 24.6 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 55.423 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion:146 Resp: 267129

Ion Ratio Lower Upper

146 100

111 42.3 21.2 63.6

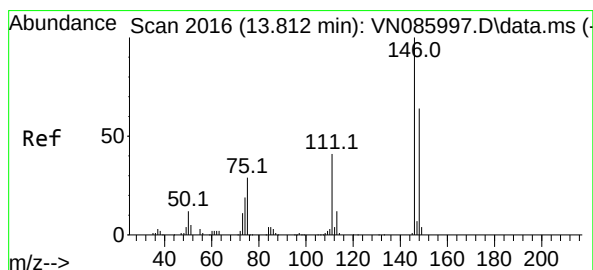
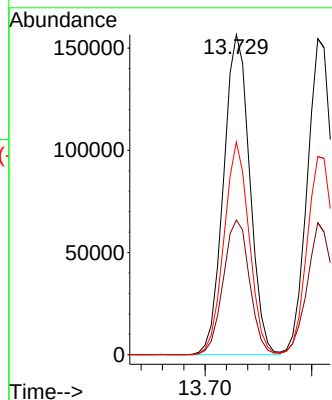
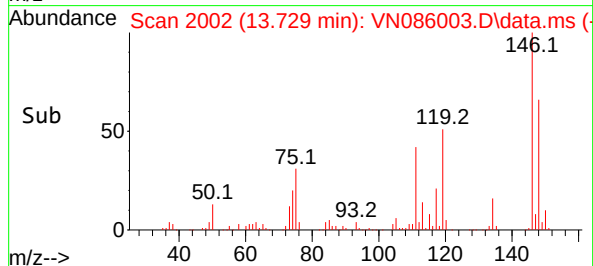
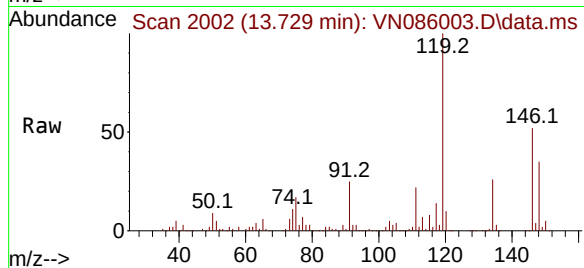
148 63.9 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#88

1,4-Dichlorobenzene

Concen: 51.782 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

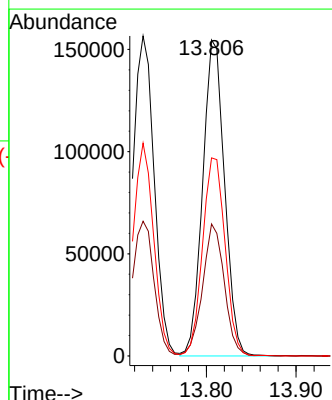
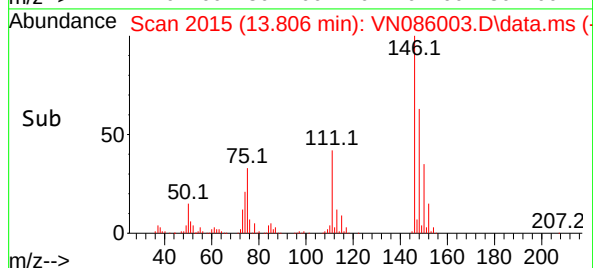
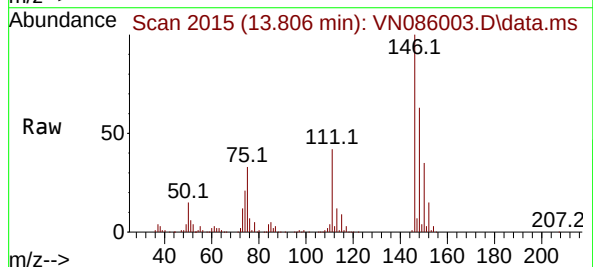
Tgt Ion:146 Resp: 262223

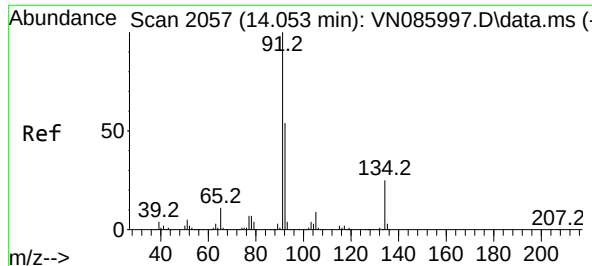
Ion Ratio Lower Upper

146 100

111 41.7 20.4 61.3

148 64.6 32.1 96.5





#89

n-Butylbenzene

Concen: 63.272 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

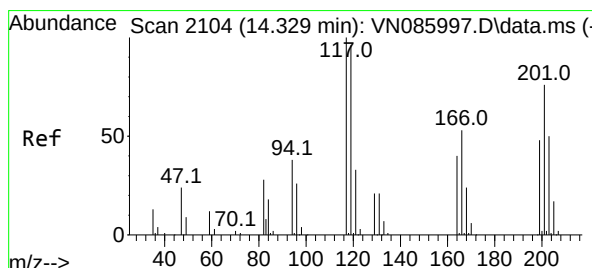
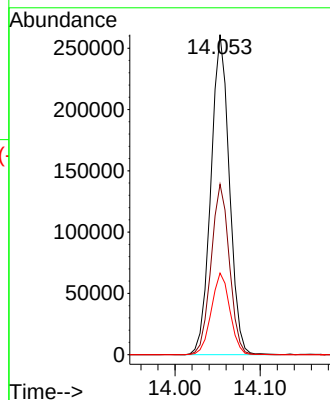
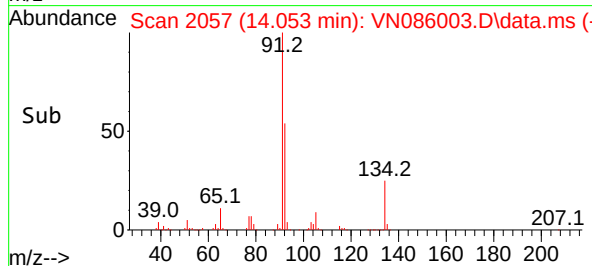
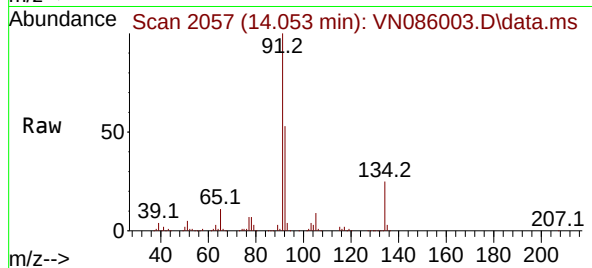
Tgt Ion:	91	Resp:	393994
Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.9	80.6
134	25.6	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#90

Hexachloroethane

Concen: 52.727 ug/l

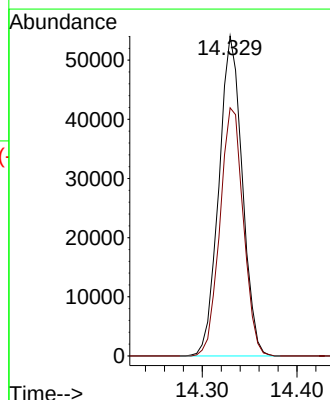
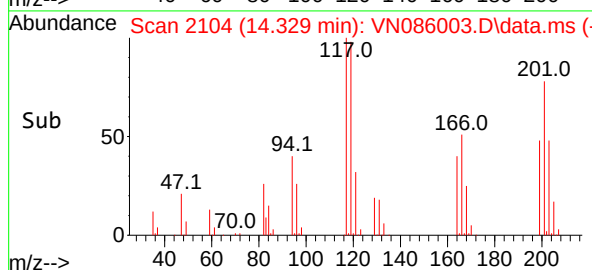
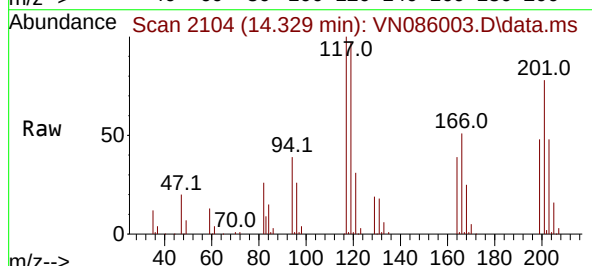
RT: 14.329 min Scan# 2104

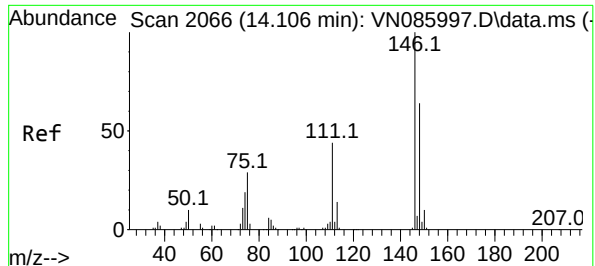
Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Tgt Ion:	117	Resp:	93033
Ion	Ratio	Lower	Upper
117	100		
201	77.5	39.1	117.3





#91

1,2-Dichlorobenzene

Concen: 53.019 ug/l

RT: 14.100 min Scan# 2066

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

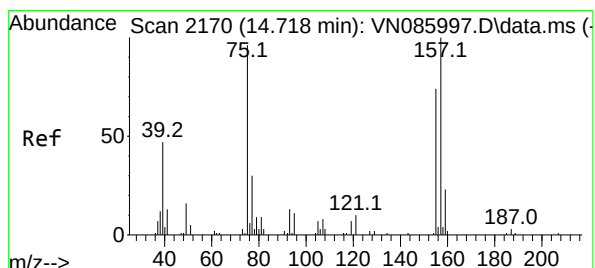
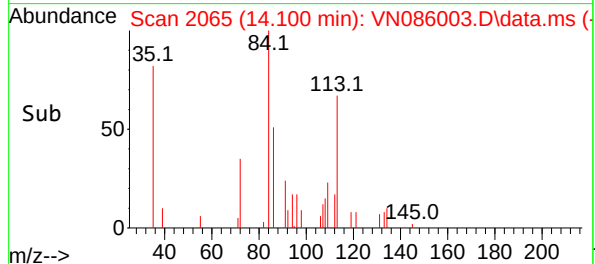
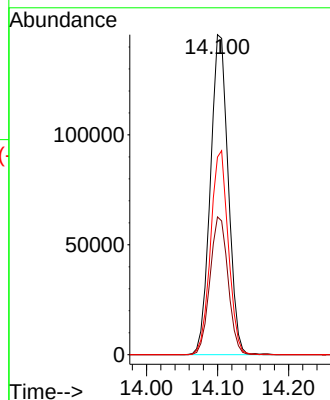
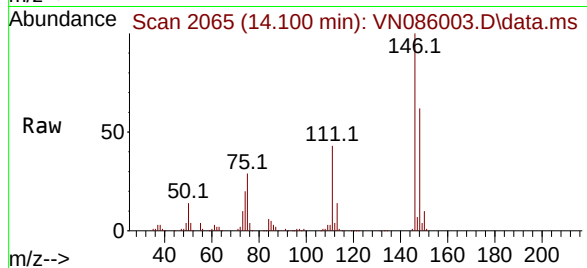
Tgt Ion:	146	Resp:	25403
Ion Ratio	Lower	Upper	
146	100		
111	43.6	22.3	66.8
148	63.3	32.1	96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.293 ug/l

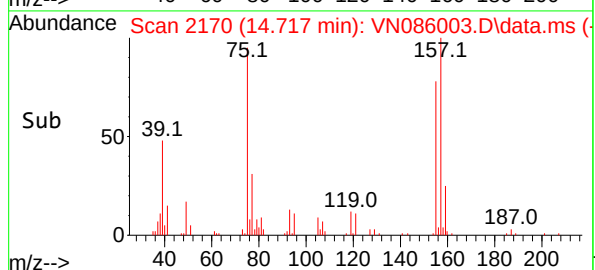
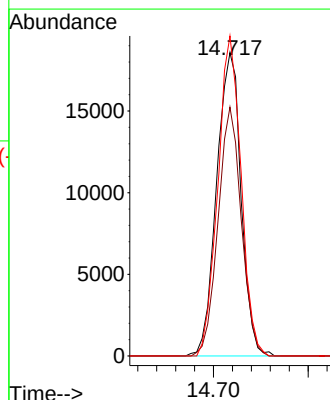
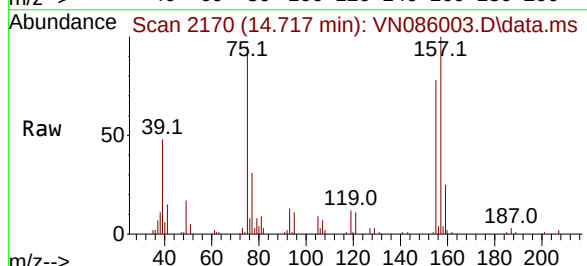
RT: 14.717 min Scan# 2170

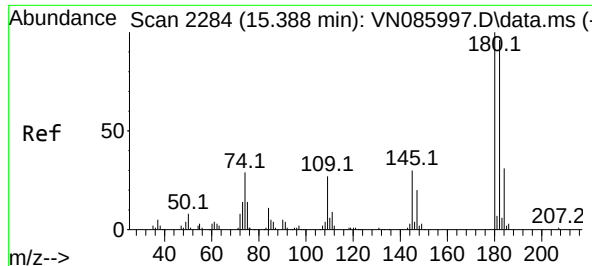
Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Tgt Ion:	75	Resp:	33218
Ion Ratio	Lower	Upper	
75	100		
155	78.3	41.0	123.0
157	100.3	53.7	161.1





#93

1,2,4-Trichlorobenzene

Concen: 54.700 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031825

Tgt Ion:180 Resp: 13178

Ion Ratio Lower Upper

180 100

182 95.6 47.0 141.0

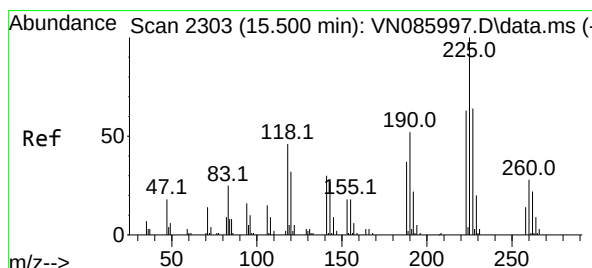
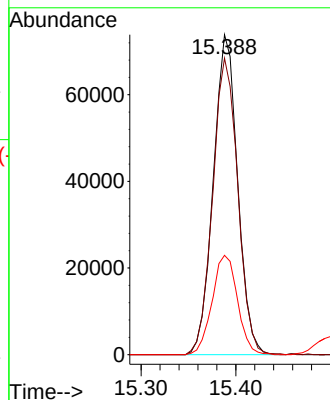
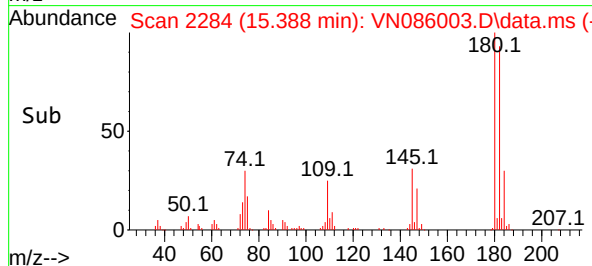
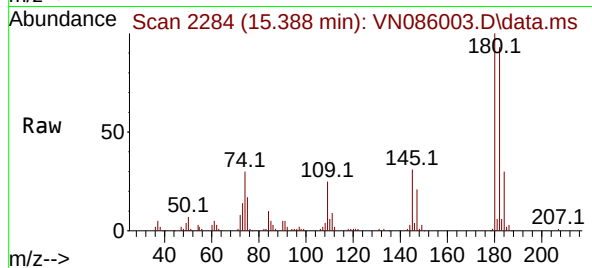
145 32.4 15.5 46.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025



#94

Hexachlorobutadiene

Concen: 50.380 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.006 min

Lab File: VN086003.D

Acq: 18 Mar 2025 16:49

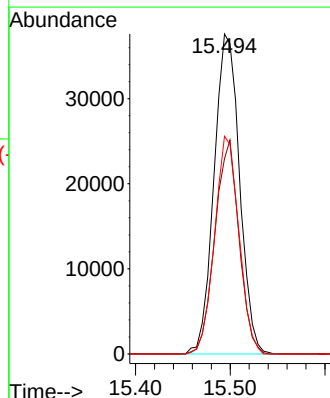
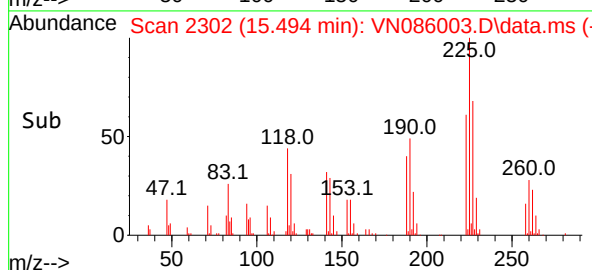
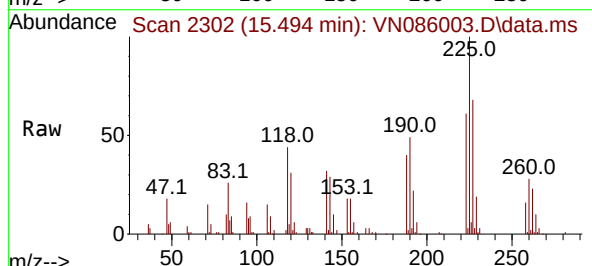
Tgt Ion:225 Resp: 70418

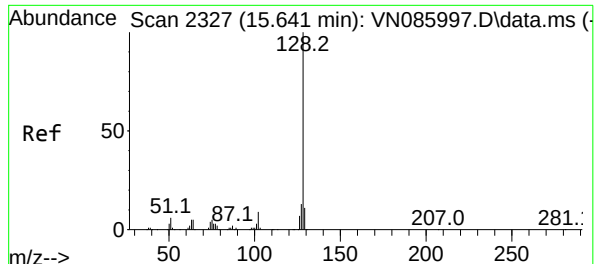
Ion Ratio Lower Upper

225 100

223 63.3 31.3 93.9

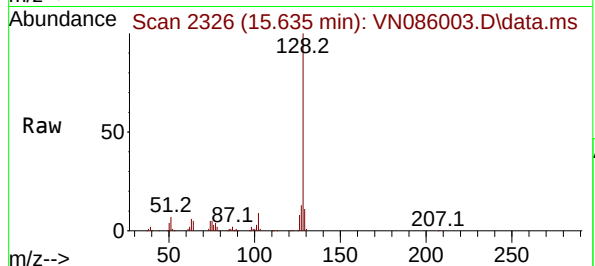
227 64.9 32.1 96.3





#95
Naphthalene
Concen: 54.297 ug/l
RT: 15.635 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

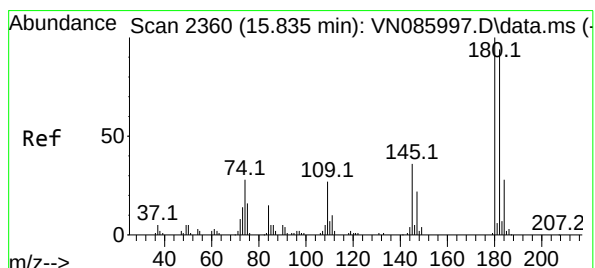
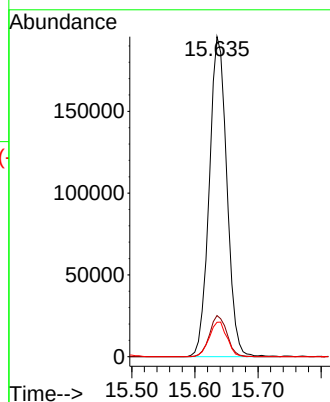
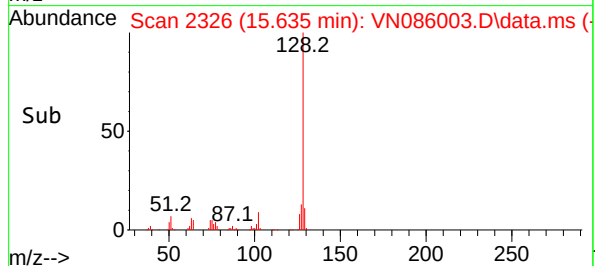
Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825



Tgt Ion:128 Resp: 378782
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.9 9.0 13.6

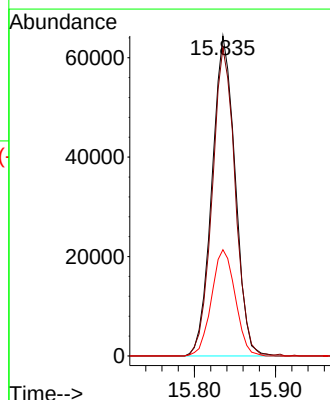
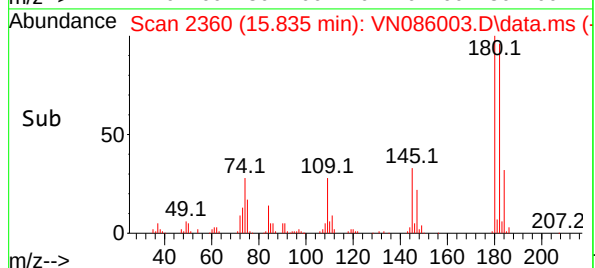
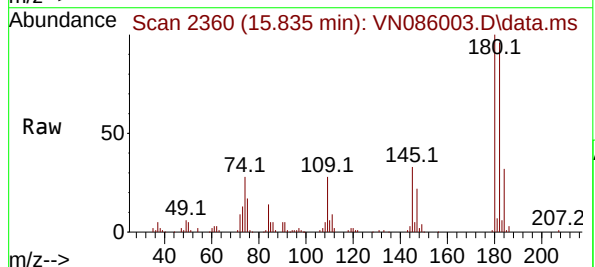
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 55.887 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086003.D
Acq: 18 Mar 2025 16:49

Tgt Ion:180 Resp: 127760
Ion Ratio Lower Upper
180 100
182 95.3 47.5 142.5
145 33.9 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	0.662	0.745	-12.5	112	0.00
3 P	Chloromethane	0.581	0.610	-5.0	106	0.00
4 C	Vinyl Chloride	0.594	0.665	-12.0#	109	0.00
5 T	Bromomethane	0.404	0.417	-3.2	106	0.00
6 T	Chloroethane	0.375	0.383	-2.1	113	0.00
7 T	Trichlorofluoromethane	1.067	1.134	-6.3	112	0.00
8 T	Diethyl Ether	0.327	0.369	-12.8	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.567	0.601	-6.0	113	0.00
10 T	Methyl Iodide	0.739	0.838	-13.4	112	0.00
11 T	Tert butyl alcohol	0.097	0.092	5.2	95	-0.01
12 CM	1,1-Dichloroethene	0.512	0.587	-14.6#	110	0.00
13 T	Acrolein	0.103	0.113	-9.7	110	0.00
14 T	Allyl chloride	0.639	0.723	-13.1	114	0.00
15 T	Acrylonitrile	0.256	0.266	-3.9	104	0.00
16 T	Acetone	0.209	0.198	5.3	99	0.00
17 T	Carbon Disulfide	1.685	1.713	-1.7	110	0.00
18 T	Methyl Acetate	0.518	0.514	0.8	106	-0.01
19 T	Methyl tert-butyl Ether	1.679	1.965	-17.0	113	0.00
20 T	Methylene Chloride	0.612	0.654	-6.9	112	0.00
21 T	trans-1,2-Dichloroethene	0.560	0.622	-11.1	113	0.00
22 T	Diisopropyl ether	1.362	1.624	-19.2	114	0.00
23 T	Vinyl Acetate	1.032	1.220	-18.2	111	0.00
24 P	1,1-Dichloroethane	1.001	1.099	-9.8	112	0.00
25 T	2-Butanone	0.302	0.306	-1.3	102	0.00
26 T	2,2-Dichloropropane	0.964	1.073	-11.3	112	0.00
27 T	cis-1,2-Dichloroethene	0.636	0.727	-14.3	111	0.00
28 T	Bromochloromethane	0.424	0.371	12.5	92	0.00
29 T	Tetrahydrofuran	0.186	0.201	-8.1	100	0.00
30 C	Chloroform	1.107	1.204	-8.8#	115	0.00
31 T	Cyclohexane	0.853	0.934	-9.5	113	0.00
32 T	1,1,1-Trichloroethane	1.048	1.164	-11.1	114	0.00
33 S	1,2-Dichloroethane-d4	0.685	0.678	1.0	99	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35 S	Dibromofluoromethane	0.349	0.340	2.6	98	0.00
36 T	1,1-Dichloropropene	0.460	0.529	-15.0	113	0.00
37 T	Ethyl Acetate	0.388	0.394	-1.5	104	0.00
38 T	Carbon Tetrachloride	0.604	0.683	-13.1	114	0.00
39 T	Methylcyclohexane	0.456	0.555	-21.7	113	0.00
40 TM	Benzene	1.443	1.641	-13.7	114	0.00
41 T	Methacrylonitrile	0.185	0.216	-16.8	109	0.00
42 TM	1,2-Dichloroethane	0.503	0.551	-9.5	112	0.00
43 T	Isopropyl Acetate	0.840	0.693	17.5	98	0.00
44 TM	Trichloroethene	0.374	0.398	-6.4	112	0.00
45 C	1,2-Dichloropropane	0.328	0.379	-15.5#	115	0.00
46 T	Dibromomethane	0.258	0.289	-12.0	115	0.00
47 T	Bromodichloromethane	0.539	0.601	-11.5	113	0.00
48 T	Methyl methacrylate	0.277	0.320	-15.5	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.007	0.007	0.0	98	0.00
50 S	Toluene-d8	1.267	1.311	-3.5	100	0.00
51 T	4-Methyl-2-Pentanone	0.371	0.413	-11.3	104	0.00
52 CM	Toluene	0.885	1.069	-20.8#	113	0.00
53 T	t-1,3-Dichloropropene	0.524	0.625	-19.3	112	0.00
54 T	cis-1,3-Dichloropropene	0.553	0.662	-19.7	113	0.00
55 T	1,1,2-Trichloroethane	0.338	0.379	-12.1	112	0.00
56 T	Ethyl methacrylate	0.463	0.594	-28.3#	109	0.00
57 T	1,3-Dichloropropane	0.574	0.662	-15.3	113	0.00
58 T	2-Chloroethyl Vinyl ether	0.183	0.260	-42.1#	118	0.00
59 T	2-Hexanone	0.270	0.305	-13.0	104	0.00
60 T	Dibromochloromethane	0.436	0.501	-14.9	112	0.00
61 T	1,2-Dibromoethane	0.347	0.399	-15.0	110	0.00
62 S	4-Bromofluorobenzene	0.452	0.481	-6.4	100	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64 T	Tetrachloroethene	0.399	0.422	-5.8	113	0.00
65 PM	Chlorobenzene	1.144	1.231	-7.6	113	0.00
66 T	1,1,1,2-Tetrachloroethane	0.425	0.464	-9.2	113	0.00
67 C	Ethyl Benzene	1.830	2.181	-19.2#	113	0.00
68 T	m/p-Xylenes	0.719	0.868	-20.7	114	0.00
69 T	o-Xylene	0.660	0.820	-24.2	114	0.00
70 T	Styrene	1.128	1.391	-23.3	113	0.00
71 P	Bromoform	0.356	0.382	-7.3	110	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73 T	Isopropylbenzene	3.414	4.006	-17.3	113	0.00
74 T	N-amyl acetate	1.142	1.299	-13.7	108	0.00
75 P	1,1,2,2-Tetrachloroethane	1.155	1.146	0.8	111	0.00
76 T	1,2,3-Trichloropropane	1.119	1.096	2.1	96	0.00
77 T	Bromobenzene	0.952	1.013	-6.4	113	0.00
78 T	n-propylbenzene	3.866	4.702	-21.6	114	0.00
79 T	2-Chlorotoluene	2.568	2.951	-14.9	115	0.00
80 T	1,3,5-Trimethylbenzene	2.883	3.500	-21.4	114	0.00
81 T	trans-1,4-Dichloro-2-butene	0.423	0.488	-15.4	120	0.00
82 T	4-Chlorotoluene	2.641	3.005	-13.8	114	0.00
83 T	tert-Butylbenzene	2.466	2.890	-17.2	116	0.00
84 T	1,2,4-Trimethylbenzene	2.908	3.586	-23.3	117	0.00
85 T	sec-Butylbenzene	3.216	4.044	-25.7#	117	0.00
86 T	p-Isopropyltoluene	2.723	3.475	-27.6#	117	0.00
87 T	1,3-Dichlorobenzene	1.716	1.902	-10.8	115	0.00
88 T	1,4-Dichlorobenzene	1.803	1.867	-3.5	114	0.00
89 T	n-Butylbenzene	2.217	2.806	-26.6#	118	0.00
90 T	Hexachloroethane	0.628	0.663	-5.6	116	0.00
91 T	1,2-Dichlorobenzene	1.706	1.809	-6.0	115	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.231	0.237	-2.6	109	0.00
93 T	1,2,4-Trichlorobenzene	0.858	0.938	-9.3	112	0.00
94 T	Hexachlorobutadiene	0.498	0.501	-0.6	115	0.00
95 T	Naphthalene	2.484	2.697	-8.6	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.814	0.910	-11.8	112	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	50.000	56.232	-12.5	112	0.00
3 P	Chloromethane	50.000	52.508	-5.0	106	0.00
4 C	Vinyl Chloride	50.000	55.971	-11.9#	109	0.00
5 T	Bromomethane	50.000	51.574	-3.1	106	0.00
6 T	Chloroethane	50.000	51.154	-2.3	113	0.00
7 T	Trichlorofluoromethane	50.000	53.112	-6.2	112	0.00
8 T	Diethyl Ether	50.000	56.496	-13.0	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.975	-6.0	113	0.00
10 T	Methyl Iodide	50.000	56.682	-13.4	112	0.00
11 T	Tert butyl alcohol	250.000	238.378	4.6	95	-0.01
12 CM	1,1-Dichloroethene	50.000	57.321	-14.6#	110	0.00
13 T	Acrolein	250.000	272.978	-9.2	110	0.00
14 T	Allyl chloride	50.000	56.555	-13.1	114	0.00
15 T	Acrylonitrile	250.000	260.076	-4.0	104	0.00
16 T	Acetone	250.000	237.056	5.2	99	0.00
17 T	Carbon Disulfide	50.000	50.845	-1.7	110	0.00
18 T	Methyl Acetate	50.000	49.649	0.7	106	-0.01
19 T	Methyl tert-butyl Ether	50.000	58.538	-17.1	113	0.00
20 T	Methylene Chloride	50.000	53.440	-6.9	112	0.00
21 T	trans-1,2-Dichloroethene	50.000	55.586	-11.2	113	0.00
22 T	Diisopropyl ether	50.000	59.615	-19.2	114	0.00
23 T	Vinyl Acetate	250.000	295.428	-18.2	111	0.00
24 P	1,1-Dichloroethane	50.000	54.884	-9.8	112	0.00
25 T	2-Butanone	250.000	253.710	-1.5	102	0.00
26 T	2,2-Dichloropropane	50.000	55.667	-11.3	112	0.00
27 T	cis-1,2-Dichloroethene	50.000	57.158	-14.3	111	0.00
28 T	Bromochloromethane	50.000	43.664	12.7	92	0.00
29 T	Tetrahydrofuran	250.000	269.263	-7.7	100	0.00
30 C	Chloroform	50.000	54.394	-8.8#	115	0.00
31 T	Cyclohexane	50.000	54.721	-9.4	113	0.00
32 T	1,1,1-Trichloroethane	50.000	55.539	-11.1	114	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.524	1.0	99	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35 S	Dibromofluoromethane	50.000	48.666	2.7	98	0.00
36 T	1,1-Dichloropropene	50.000	57.540	-15.1	113	0.00
37 T	Ethyl Acetate	50.000	50.756	-1.5	104	0.00
38 T	Carbon Tetrachloride	50.000	56.517	-13.0	114	0.00
39 T	Methylcyclohexane	50.000	60.818	-21.6	113	0.00
40 TM	Benzene	50.000	56.869	-13.7	114	0.00
41 T	Methacrylonitrile	50.000	58.457	-16.9	109	0.00
42 TM	1,2-Dichloroethane	50.000	54.822	-9.6	112	0.00
43 T	Isopropyl Acetate	50.000	41.226	17.5	98	0.00
44 TM	Trichloroethene	50.000	53.255	-6.5	112	0.00
45 C	1,2-Dichloropropane	50.000	57.740	-15.5#	115	0.00
46 T	Dibromomethane	50.000	56.012	-12.0	115	0.00
47 T	Bromodichloromethane	50.000	55.753	-11.5	113	0.00
48 T	Methyl methacrylate	50.000	57.751	-15.5	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1057.815	-5.8	98	0.00
50 S	Toluene-d8	50.000	51.736	-3.5	100	0.00
51 T	4-Methyl-2-Pentanone	250.000	278.467	-11.4	104	0.00
52 CM	Toluene	50.000	60.348	-20.7#	113	0.00
53 T	t-1,3-Dichloropropene	50.000	59.689	-19.4	112	0.00
54 T	cis-1,3-Dichloropropene	50.000	59.921	-19.8	113	0.00
55 T	1,1,2-Trichloroethane	50.000	56.064	-12.1	112	0.00
56 T	Ethyl methacrylate	50.000	55.208	-10.4	109	0.00
57 T	1,3-Dichloropropane	50.000	57.684	-15.4	113	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	306.978	-22.8	118	0.00
59 T	2-Hexanone	250.000	282.228	-12.9	104	0.00
60 T	Dibromochloromethane	50.000	57.477	-15.0	112	0.00
61 T	1,2-Dibromoethane	50.000	57.545	-15.1	110	0.00
62 S	4-Bromofluorobenzene	50.000	53.231	-6.5	100	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64 T	Tetrachloroethene	50.000	52.844	-5.7	113	0.00
65 PM	Chlorobenzene	50.000	53.783	-7.6	113	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.515	-9.0	113	0.00
67 C	Ethyl Benzene	50.000	59.592	-19.2#	113	0.00
68 T	m/p-Xylenes	100.000	120.622	-20.6	114	0.00
69 T	o-Xylene	50.000	62.069	-24.1	114	0.00
70 T	Styrene	50.000	61.658	-23.3	113	0.00
71 P	Bromoform	50.000	53.714	-7.4	110	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73 T	Isopropylbenzene	50.000	58.664	-17.3	113	0.00
74 T	N-ethyl acetate	50.000	56.839	-13.7	108	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.586	0.8	111	0.00
76 T	1,2,3-Trichloropropane	50.000	48.944	2.1	96	0.00
77 T	Bromobenzene	50.000	53.193	-6.4	113	0.00
78 T	n-propylbenzene	50.000	60.807	-21.6	114	0.00
79 T	2-Chlorotoluene	50.000	57.461	-14.9	115	0.00
80 T	1,3,5-Trimethylbenzene	50.000	60.712	-21.4	114	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	57.589	-15.2	120	0.00
82 T	4-Chlorotoluene	50.000	56.898	-13.8	114	0.00
83 T	tert-Butylbenzene	50.000	58.608	-17.2	116	0.00
84 T	1,2,4-Trimethylbenzene	50.000	61.674	-23.3	117	0.00
85 T	sec-Butylbenzene	50.000	62.874	-25.7#	117	0.00
86 T	p-Isopropyltoluene	50.000	63.821	-27.6#	117	0.00
87 T	1,3-Dichlorobenzene	50.000	55.423	-10.8	115	0.00
88 T	1,4-Dichlorobenzene	50.000	51.782	-3.6	114	0.00
89 T	n-Butylbenzene	50.000	63.272	-26.5#	118	0.00
90 T	Hexachloroethane	50.000	52.727	-5.5	116	0.00
91 T	1,2-Dichlorobenzene	50.000	53.019	-6.0	115	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.293	-2.6	109	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.700	-9.4	112	0.00
94 T	Hexachlorobutadiene	50.000	50.380	-0.8	115	0.00
95 T	Naphthalene	50.000	54.297	-8.6	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	55.887	-11.8	112	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01
 Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG No.: Q1626
 Instrument ID: MSVOA_N Calibration Date/Time: 03/25/2025 10:27
 Lab File ID: VN086090.D Init. Calib. Date(s): 03/18/2025 03/18/2025
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.594	0.677		13.97	20
1,1-Dichloroethene	0.512	0.557		8.79	20
2-Butanone	0.302	0.344		13.91	20
Carbon Tetrachloride	0.604	0.587		-2.82	20
Chloroform	1.107	1.133		2.35	20
Benzene	1.443	1.540		6.72	20
1,2-Dichloroethane	0.503	0.478		-4.97	20
Trichloroethene	0.374	0.361		-3.48	20
Tetrachloroethene	0.399	0.387		-3.01	20
Chlorobenzene	1.144	1.148	0.3	0.35	20
1,2-Dichloroethane-d4	0.685	0.681		-0.58	20
Dibromofluoromethane	0.349	0.358		2.58	20
Toluene-d8	1.267	1.350		6.55	20
4-Bromofluorobenzene	0.452	0.492		8.85	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_N\Data\VN032525\
 Data File : VN086090.D
 Acq On : 25 Mar 2025 10:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 03:12:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	231359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	376282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	346115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	181838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	157468	49.704	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.400%		
35) Dibromofluoromethane	8.165	113	134729	51.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.600%		
50) Toluene-d8	10.565	98	507830	53.276	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.560%		
62) 4-Bromofluorobenzene	12.847	95	185042	54.434	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	108.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	144351	47.094	ug/l	98
3) Chloromethane	2.359	50	148662	55.324	ug/l	99
4) Vinyl Chloride	2.512	62	156599	56.997	ug/l	99
5) Bromomethane	2.942	94	93603	50.015	ug/l	98
6) Chloroethane	3.112	64	94820	54.706	ug/l	92
7) Trichlorofluoromethane	3.494	101	235778	47.738	ug/l	99
8) Diethyl Ether	3.959	74	82945	54.858	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	137947	52.552	ug/l	98
10) Methyl Iodide	4.583	142	182352	53.314	ug/l	98
11) Tert butyl alcohol	5.518	59	109989	245.212	ug/l	98
12) 1,1-Dichloroethene	4.336	96	128882	54.374	ug/l	97
13) Acrolein	4.177	56	177814	371.677	ug/l	99
14) Allyl chloride	5.024	41	158570	53.625	ug/l	97
15) Acrylonitrile	5.718	53	349363	294.919	ug/l	99
16) Acetone	4.424	43	253871	262.295	ug/l	98
17) Carbon Disulfide	4.706	76	365486	46.887	ug/l	100
18) Methyl Acetate	5.018	43	149406	62.390	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	422716	54.424	ug/l	98
20) Methylene Chloride	5.271	84	148955	52.607	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	137136	52.941	ug/l	97
22) Diisopropyl ether	6.671	45	382340	60.675	ug/l	95
23) Vinyl Acetate	6.600	43	1404300	293.979	ug/l	98
24) 1,1-Dichloroethane	6.565	63	251273	54.227	ug/l	98
25) 2-Butanone	7.477	43	398097	285.048	ug/l	96
26) 2,2-Dichloropropane	7.482	77	226204	50.705	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	160726	54.602	ug/l	99
28) Bromochloromethane	7.812	49	109660	55.857	ug/l	95
29) Tetrahydrofuran	7.835	42	272777	316.370	ug/l	95
30) Chloroform	7.965	83	262080	51.169	ug/l	99
31) Cyclohexane	8.253	56	206158	52.225	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	238504	49.193	ug/l	100
36) 1,1-Dichloropropene	8.371	75	185156	53.539	ug/l	100
37) Ethyl Acetate	7.559	43	161103	55.218	ug/l	98
38) Carbon Tetrachloride	8.359	117	220942	48.589	ug/l	99
39) Methylcyclohexane	9.600	83	185925	54.188	ug/l	94
40) Benzene	8.600	78	579356	53.365	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086090.D
 Acq On : 25 Mar 2025 10:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 03:12:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	82410	59.153	ug/l	95
42) 1,2-Dichloroethane	8.665	62	179900	47.557	ug/l	98
43) Isopropyl Acetate	8.682	43	266532	42.158	ug/l	99
44) Trichloroethene	9.347	130	135986	48.329	ug/l	98
45) 1,2-Dichloropropane	9.618	63	142424	57.679	ug/l	100
46) Dibromomethane	9.706	93	101819	52.433	ug/l	99
47) Bromodichloromethane	9.882	83	210315	51.821	ug/l	98
48) Methyl methacrylate	9.676	41	121770	58.367	ug/l	97
49) 1,4-Dioxane	9.694	88	57108	1157.939	ug/l	91
51) 4-Methyl-2-Pentanone	10.441	43	853814	306.218	ug/l	98
52) Toluene	10.629	92	370364	55.584	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	212820	53.995	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	227195	54.634	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	137870	54.212	ug/l	96
56) Ethyl methacrylate	10.870	69	216154	53.688	ug/l	98
57) 1,3-Dichloropropane	11.159	76	240537	55.686	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	465473	295.351	ug/l	97
59) 2-Hexanone	11.194	43	631957	311.121	ug/l	98
60) Dibromochloromethane	11.359	129	170058	51.820	ug/l	97
61) 1,2-Dibromoethane	11.465	107	138476	53.039	ug/l	97
64) Tetrachloroethene	11.100	164	133798	48.460	ug/l	99
65) Chlorobenzene	11.888	112	397294	50.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	146568	49.783	ug/l	99
67) Ethyl Benzene	11.959	91	687181	54.241	ug/l	98
68) m/p-Xylenes	12.070	106	549680	110.388	ug/l	100
69) o-Xylene	12.394	106	259301	56.737	ug/l	97
70) Styrene	12.406	104	449282	57.555	ug/l	98
71) Bromoform	12.576	173	120995	49.161	ug/l #	99
73) Isopropylbenzene	12.694	105	650447	52.382	ug/l	99
74) N-amyl acetate	12.494	43	235151	56.602	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	205127	48.828	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	197766m	48.579	ug/l	
77) Bromobenzene	12.976	156	168220	48.584	ug/l	98
78) n-propylbenzene	13.035	91	765735	54.458	ug/l	100
79) 2-Chlorotoluene	13.123	91	487099	52.155	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	568702	54.245	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	77298	50.200	ug/l	99
82) 4-Chlorotoluene	13.217	91	494232	51.460	ug/l	98
83) tert-Butylbenzene	13.435	119	454624	50.703	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	570180	53.922	ug/l	99
85) sec-Butylbenzene	13.611	105	648322	55.426	ug/l	99
86) p-Isopropyltoluene	13.729	119	548158	55.360	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	313749	50.271	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	308043	46.977	ug/l	100
89) n-Butylbenzene	14.053	91	437241	54.226	ug/l	99
90) Hexachloroethane	14.329	117	108700	47.576	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	299951	48.346	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	40345	48.111	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	142178	45.575	ug/l	98
94) Hexachlorobutadiene	15.500	225	77894	43.038	ug/l	99
95) Naphthalene	15.635	128	432683	47.898	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	141022	47.640	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086090.D
Acq On : 25 Mar 2025 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 03:12:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

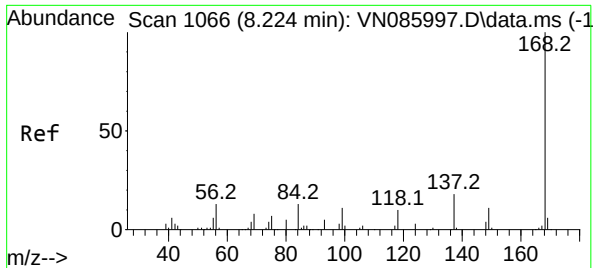
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

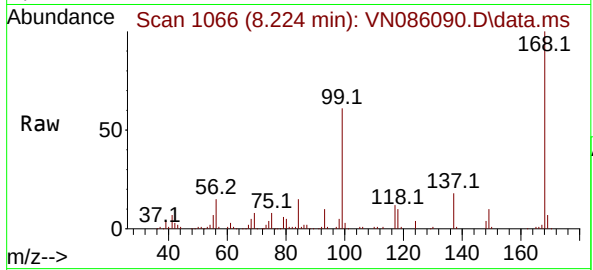
Manual Integrations

[illegible]



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

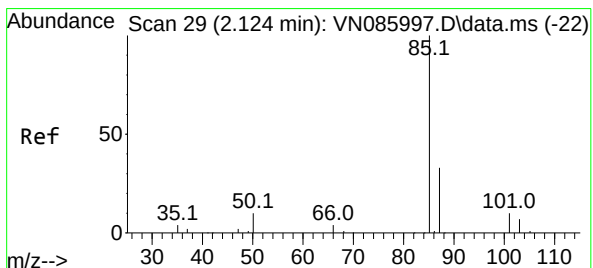
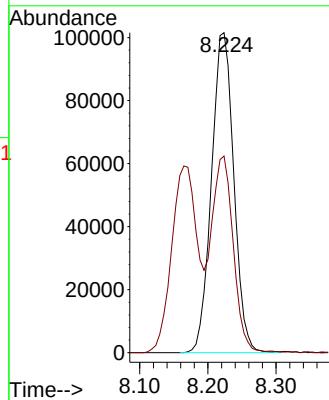
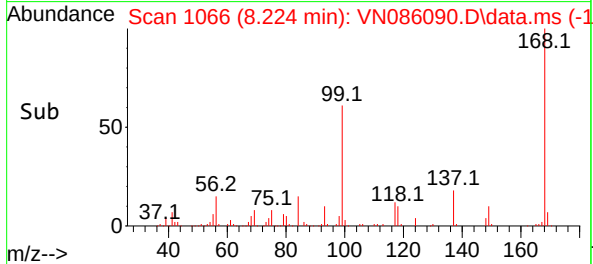
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 231359
Ion Ratio Lower Upper
168 100
99 61.2 49.4 74.2

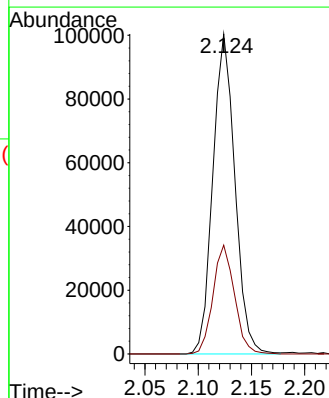
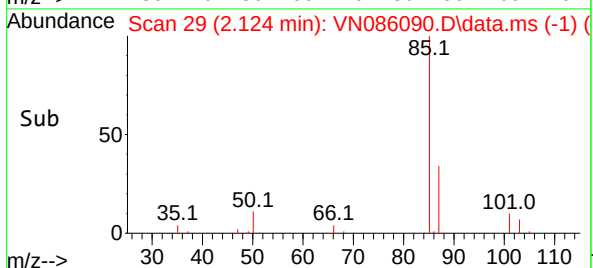
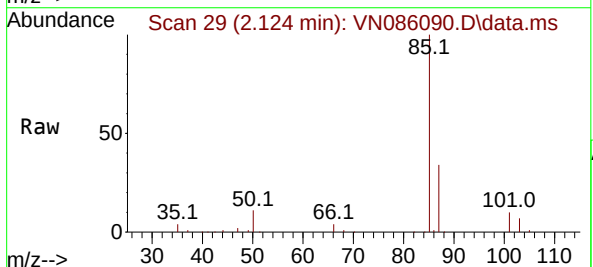
Manual Integrations
APPROVED

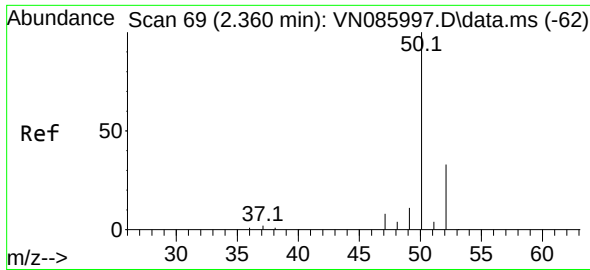
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#2
Dichlorodifluoromethane
Concen: 47.094 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Tgt Ion: 85 Resp: 144351
Ion Ratio Lower Upper
85 100
87 34.0 16.5 49.5





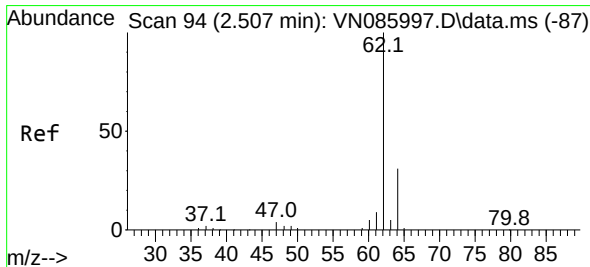
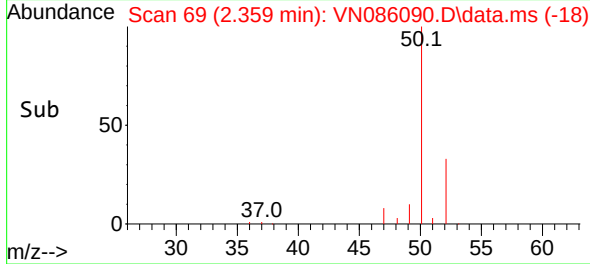
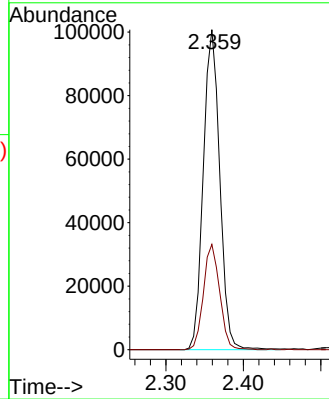
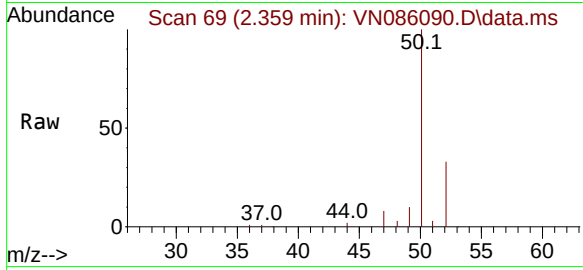
#3
Chloromethane
Concen: 55.324 ug/l
RT: 2.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 148662
Ion Ratio Lower Upper
50 100
52 32.9 26.0 39.0

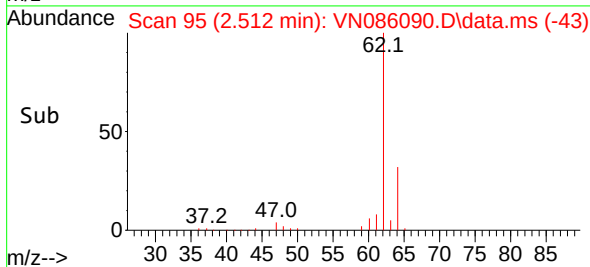
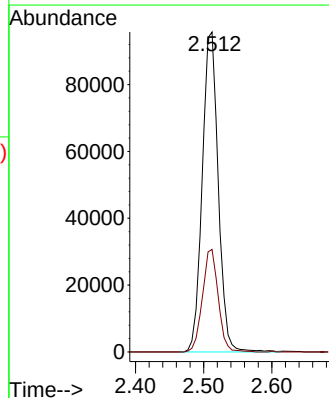
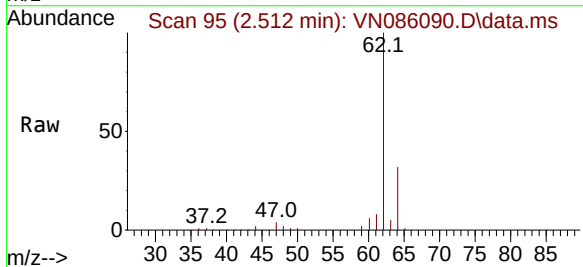
Manual Integrations
APPROVED

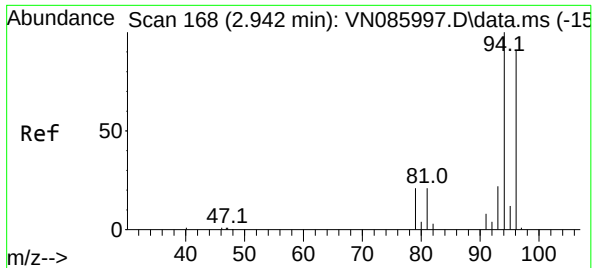
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#4
Vinyl Chloride
Concen: 56.997 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

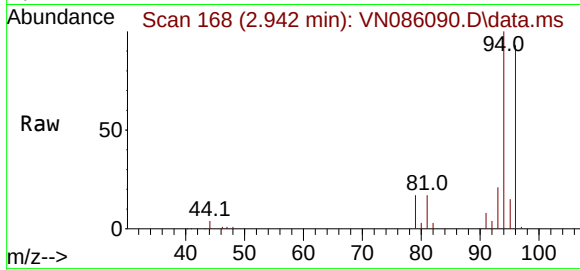
Tgt Ion: 62 Resp: 156599
Ion Ratio Lower Upper
62 100
64 32.0 25.2 37.8





#5
Bromomethane
Concen: 50.015 ug/l
RT: 2.942 min Scan# 168
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

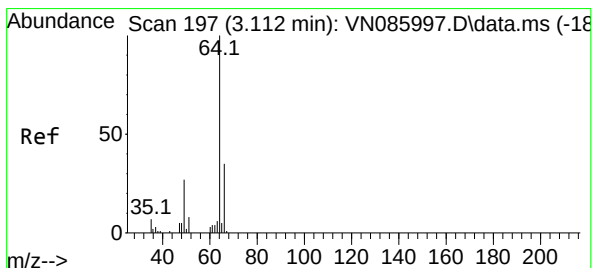
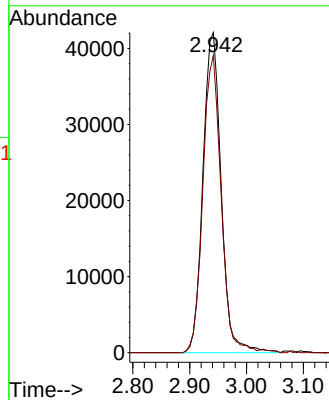
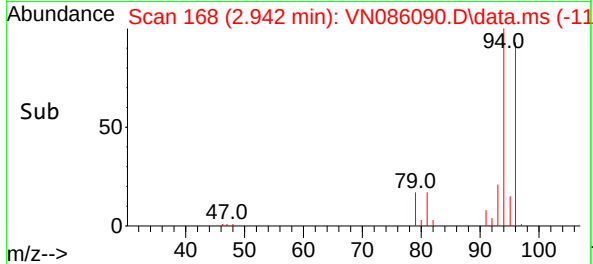
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 9360
Ion Ratio Lower Upper
94 100
96 92.8 72.8 109.2

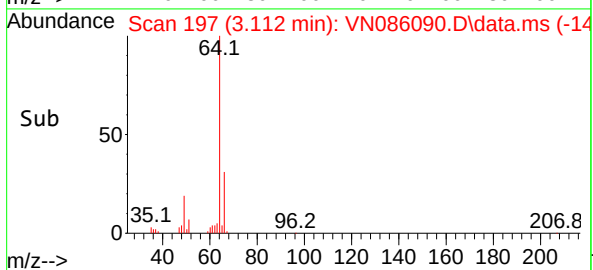
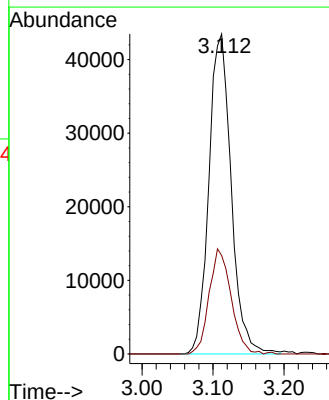
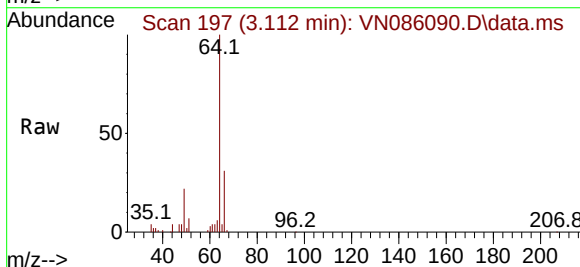
Manual Integrations
APPROVED

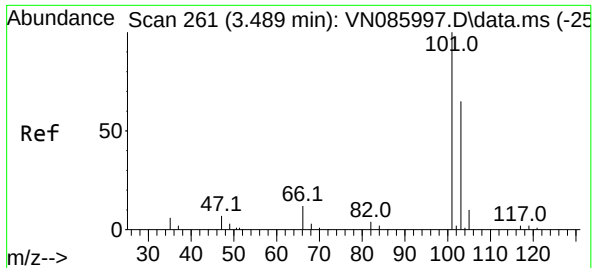
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#6
Chloroethane
Concen: 54.706 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Tgt Ion: 64 Resp: 94820
Ion Ratio Lower Upper
64 100
66 30.7 28.3 42.5





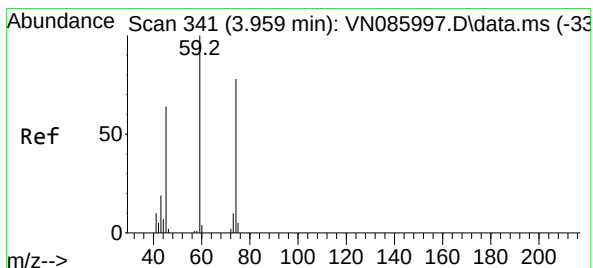
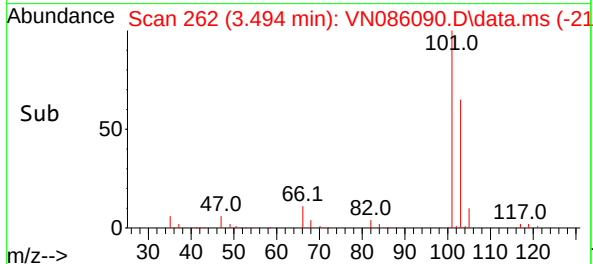
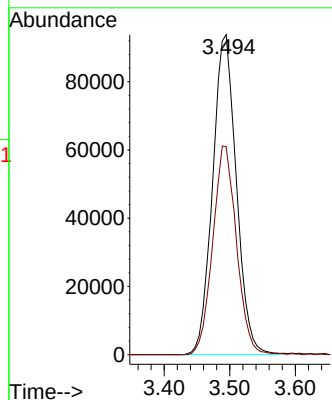
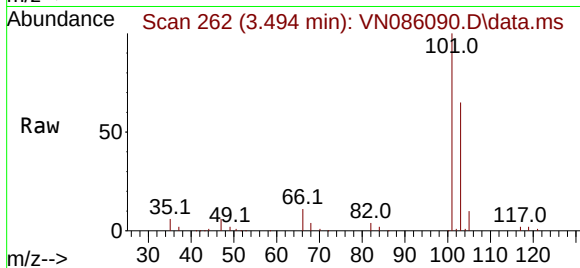
#7
 Trichlorofluoromethane
 Concen: 47.738 ug/l
 RT: 3.494 min Scan# 261
 Delta R.T. 0.006 min
 Lab File: VN086090.D
 Acq: 25 Mar 2025 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:101 Resp: 235778
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.7 77.5

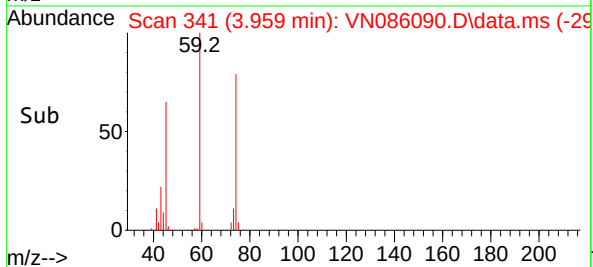
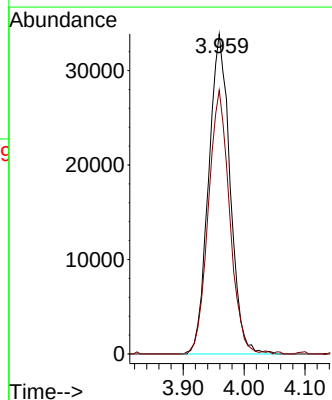
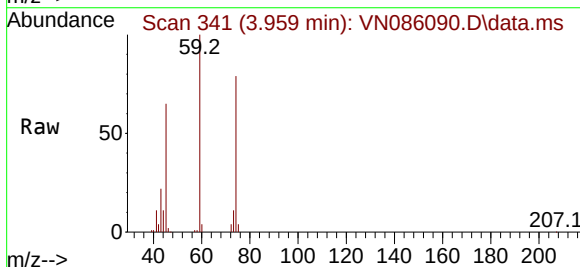
Manual Integrations
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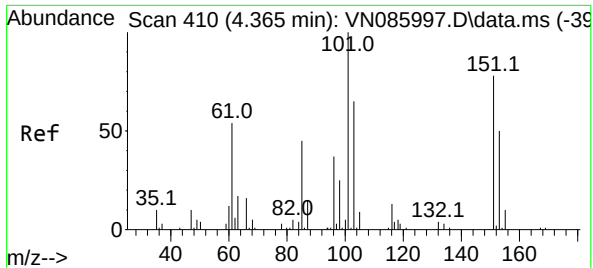
Reviewed By :John Carlone 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025



#8
 Diethyl Ether
 Concen: 54.858 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.000 min
 Lab File: VN086090.D
 Acq: 25 Mar 2025 10:27

Tgt Ion: 74 Resp: 82945
 Ion Ratio Lower Upper
 74 100
 45 81.4 38.0 113.9





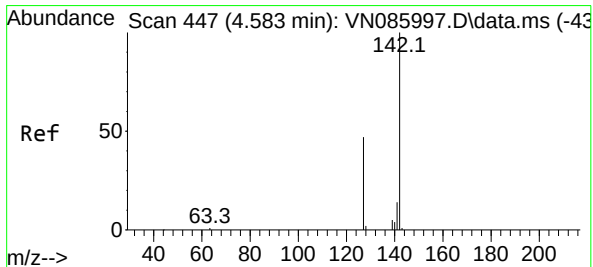
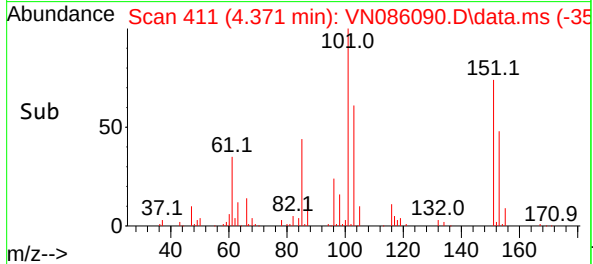
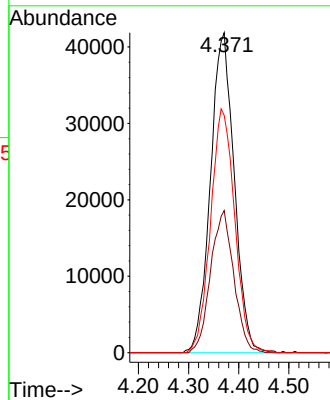
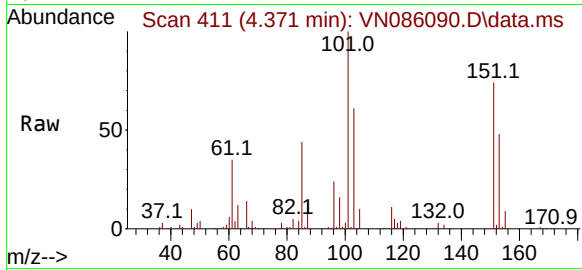
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.552 ug/l
RT: 4.371 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 13794
Ion Ratio Lower Upper
101 100
85 43.4 36.5 54.7
151 77.5 63.4 95.0

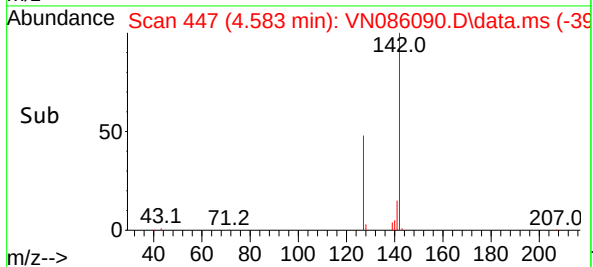
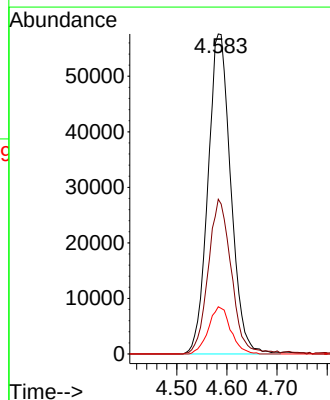
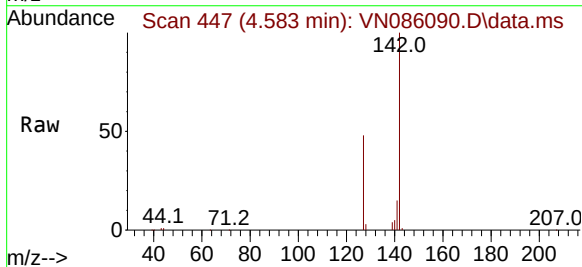
Manual Integrations
APPROVED

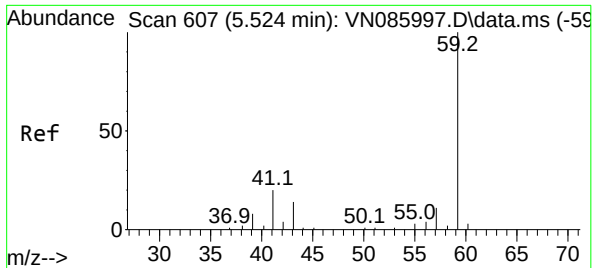
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#10
Methyl Iodide
Concen: 53.314 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Tgt Ion:142 Resp: 182352
Ion Ratio Lower Upper
142 100
127 48.3 37.5 56.3
141 14.8 11.0 16.6





#11

Tert butyl alcohol

Concen: 245.212 ug/l

RT: 5.518 min Scan# 607

Delta R.T. -0.006 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 109989

Ion Ratio Lower Upper

59 100

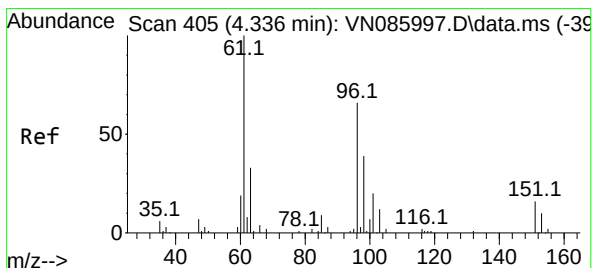
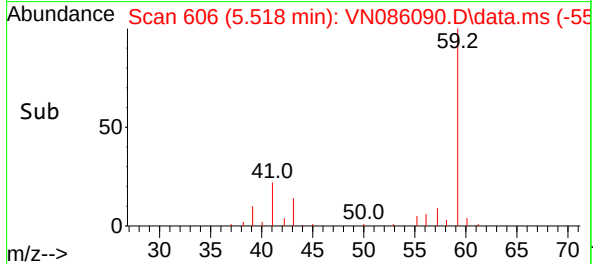
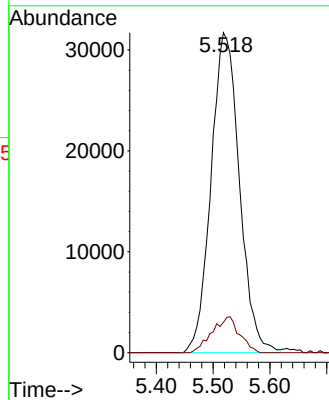
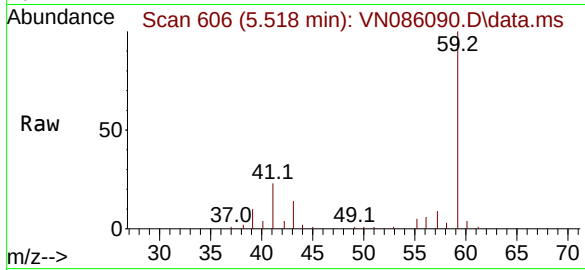
57 10.8 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#12

1,1-Dichloroethene

Concen: 54.374 ug/l

RT: 4.336 min Scan# 405

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

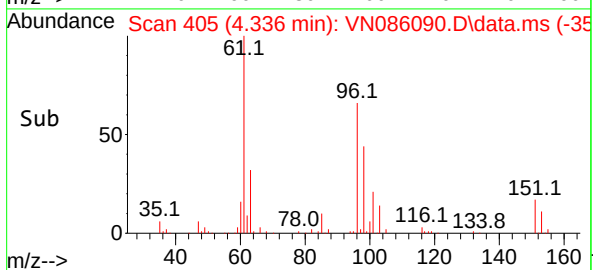
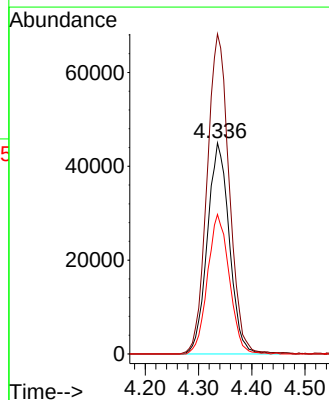
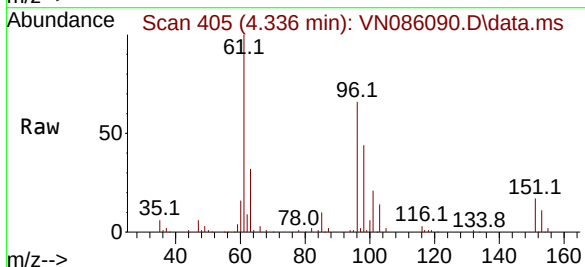
Tgt Ion: 96 Resp: 128882

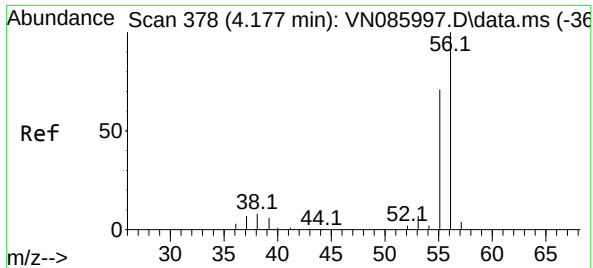
Ion Ratio Lower Upper

96 100

61 151.6 120.5 180.7

98 66.1 47.4 71.0





#13

Acrolein

Concen: 371.677 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 177814

Ion Ratio Lower Upper

56 100

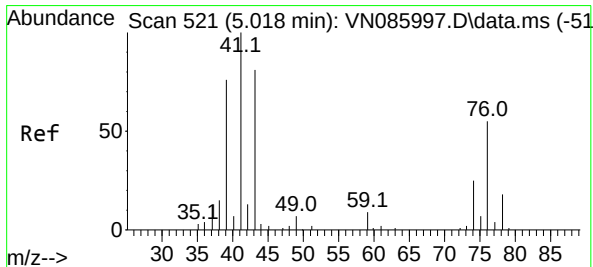
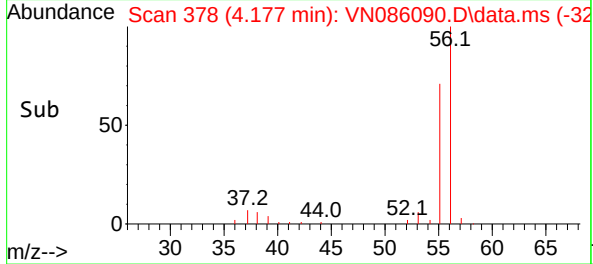
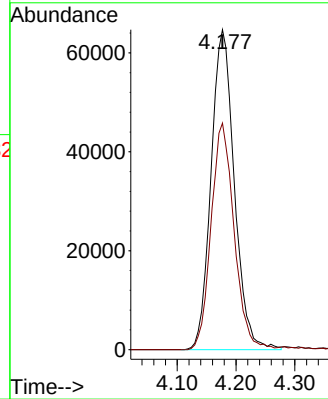
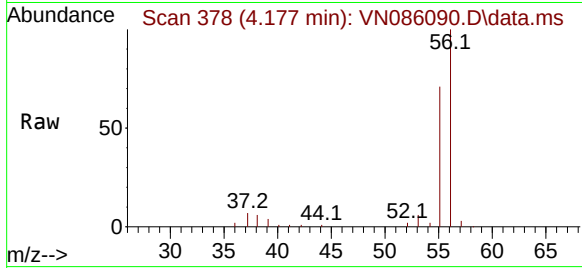
55 69.9 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#14

Allyl chloride

Concen: 53.625 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

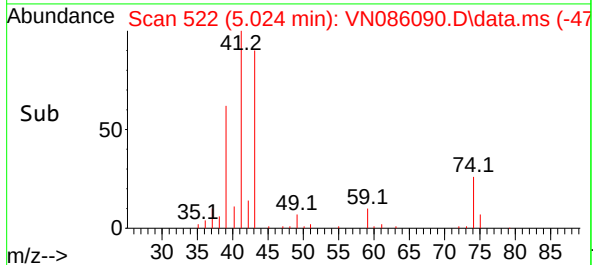
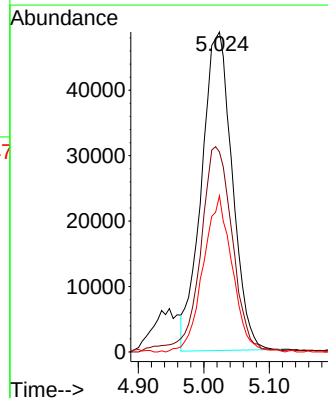
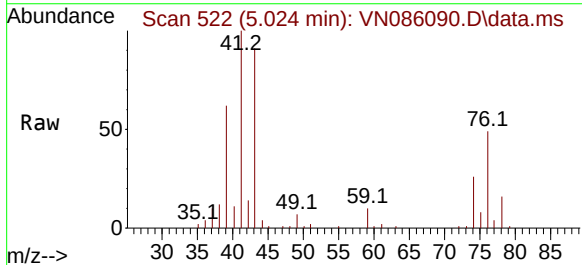
Tgt Ion: 41 Resp: 158570

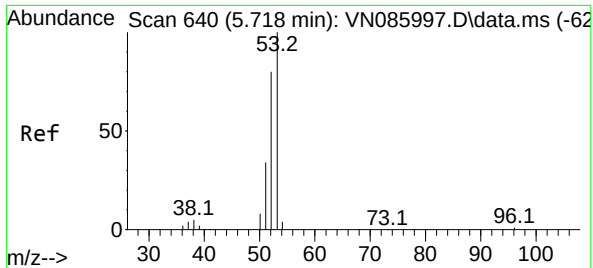
Ion Ratio Lower Upper

41 100

39 67.4 55.5 83.3

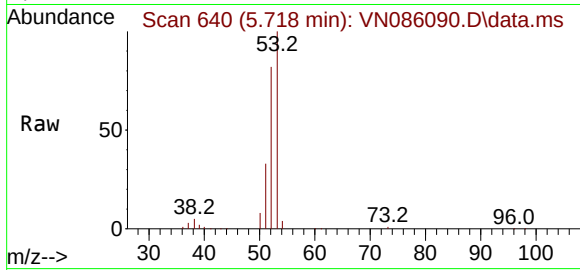
76 46.4 39.1 58.7





#15
Acrylonitrile
Concen: 294.919 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

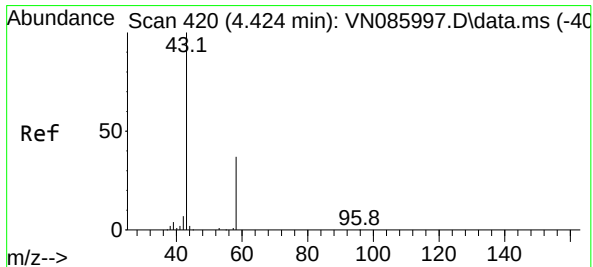
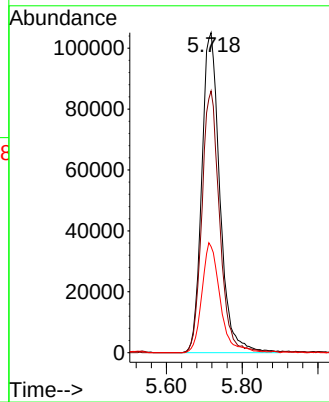
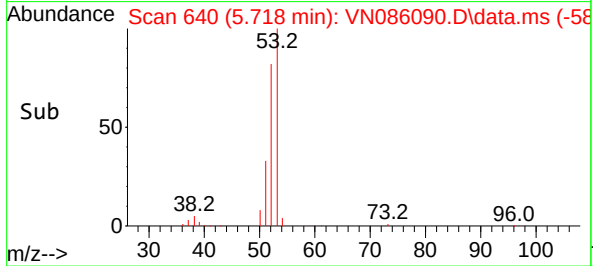
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 53 Resp: 34936
Ion Ratio Lower Upper
53 100
52 80.2 63.9 95.9
51 34.5 27.1 40.7

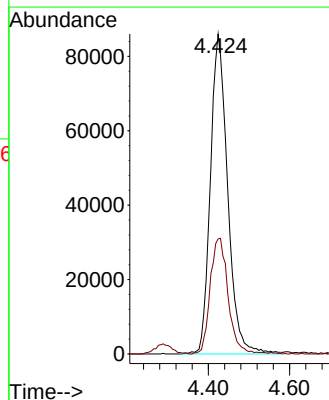
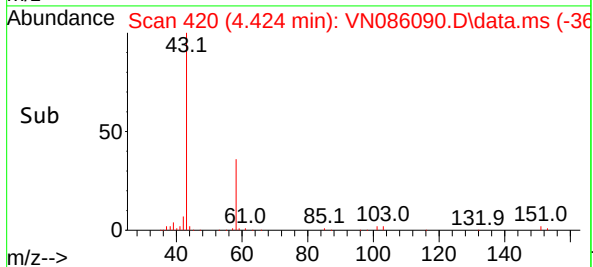
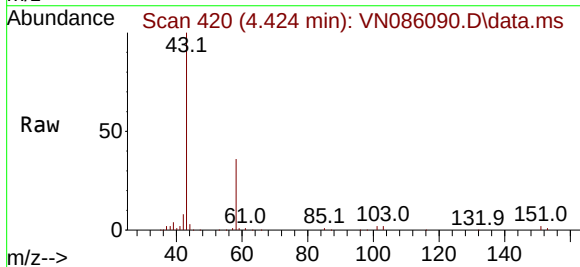
Manual Integrations
APPROVED

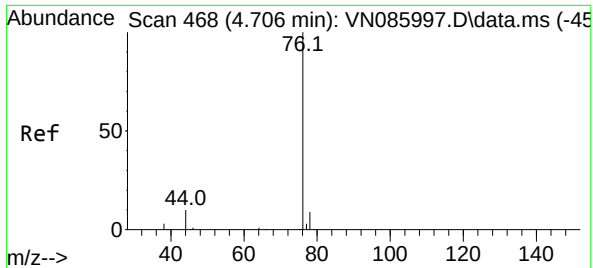
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#16
Acetone
Concen: 262.295 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

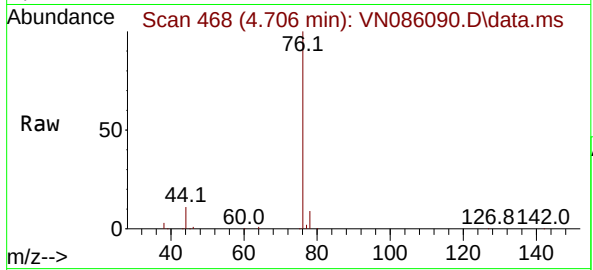
Tgt Ion: 43 Resp: 253871
Ion Ratio Lower Upper
43 100
58 35.8 29.4 44.2





#17
Carbon Disulfide
Concen: 46.887 ug/l
RT: 4.706 min Scan# 408
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

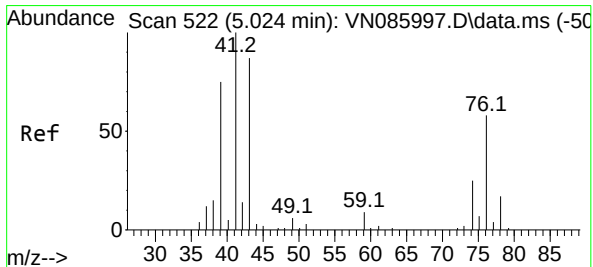
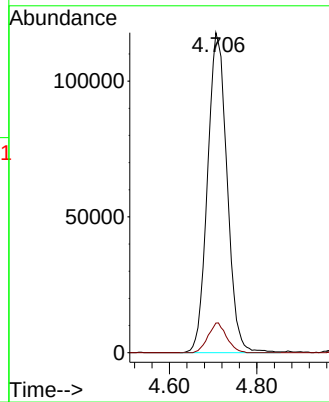
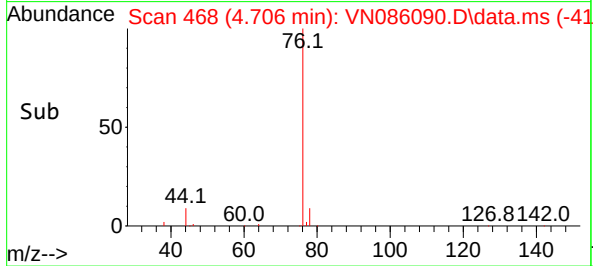
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 365486
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

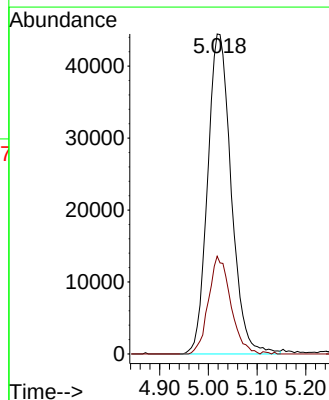
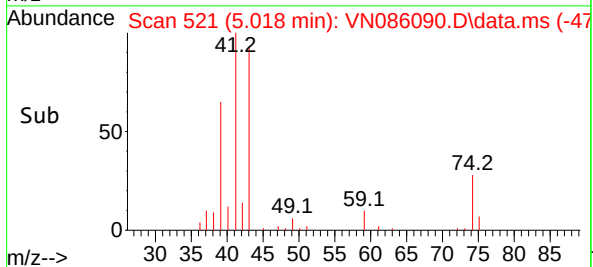
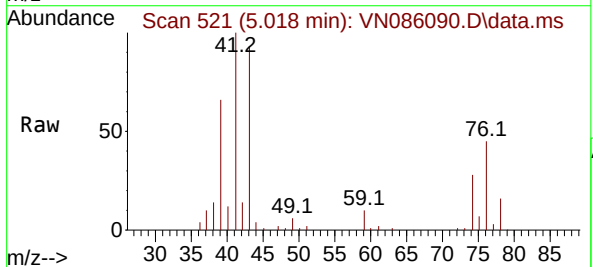
Manual Integrations
APPROVED

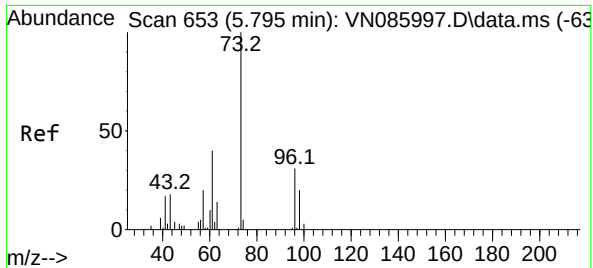
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#18
Methyl Acetate
Concen: 62.390 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Tgt Ion: 43 Resp: 149406
Ion Ratio Lower Upper
43 100
74 28.6 23.9 35.9





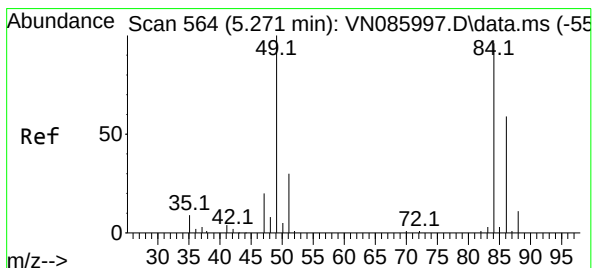
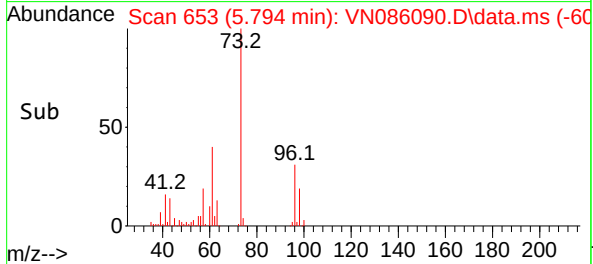
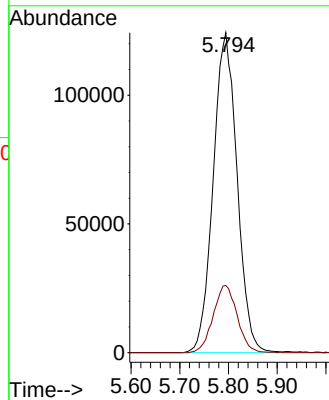
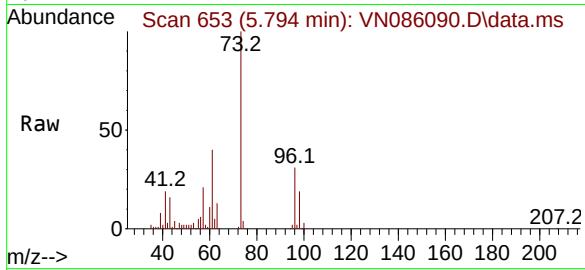
#19
Methyl tert-butyl Ether
Concen: 54.424 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 422710
Ion Ratio Lower Upper
73 100
57 21.0 16.1 24.1

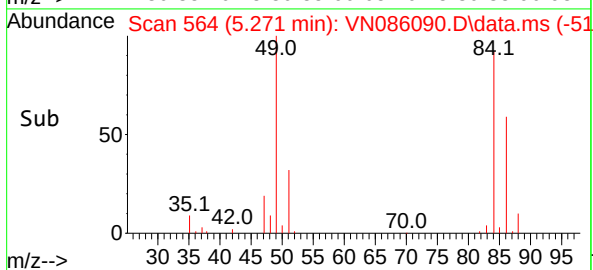
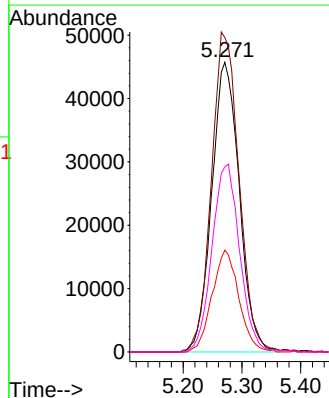
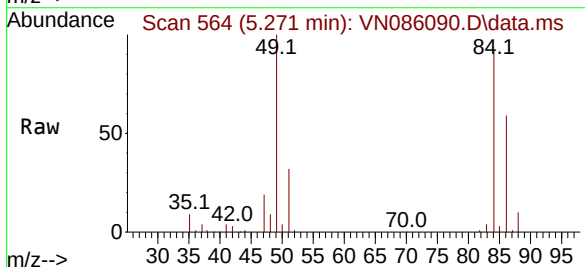
Manual Integrations
APPROVED

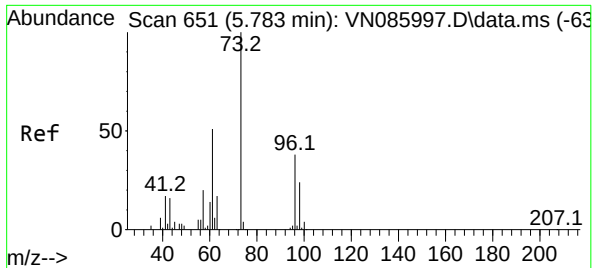
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#20
Methylene Chloride
Concen: 52.607 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

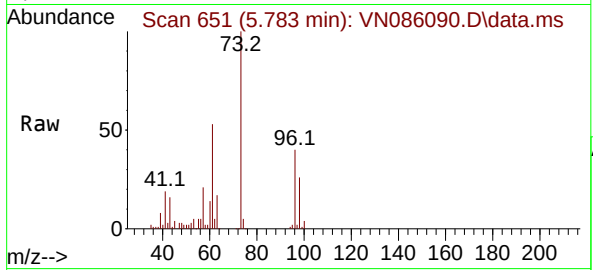
Tgt Ion: 84 Resp: 148955
Ion Ratio Lower Upper
84 100
49 108.6 83.3 124.9
51 35.1 24.8 37.2
86 63.9 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 52.941 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

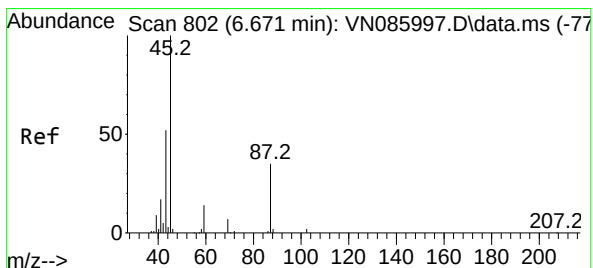
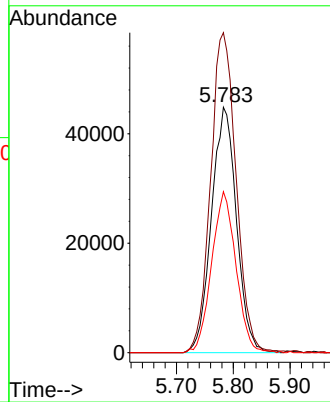
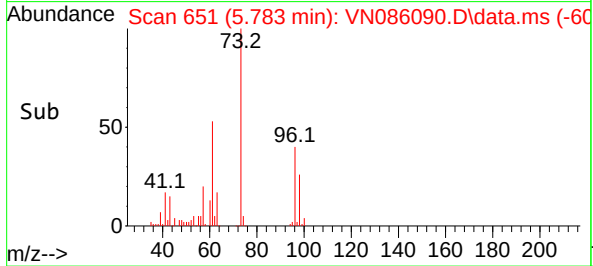
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 137130
Ion Ratio Lower Upper
96 100
61 130.3 106.6 160.0
98 65.6 50.0 75.0

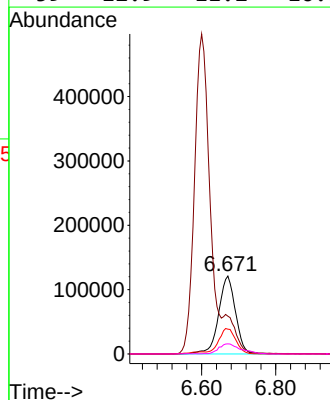
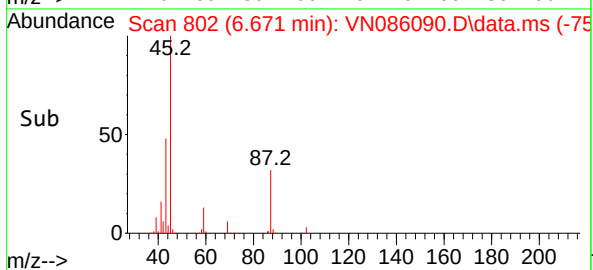
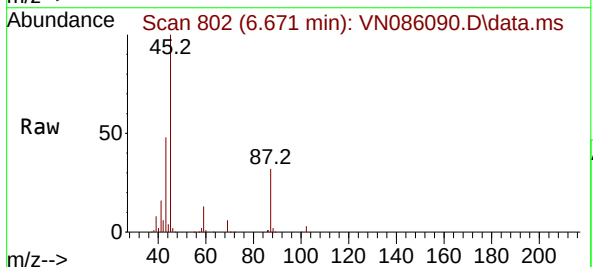
Manual Integrations
APPROVED

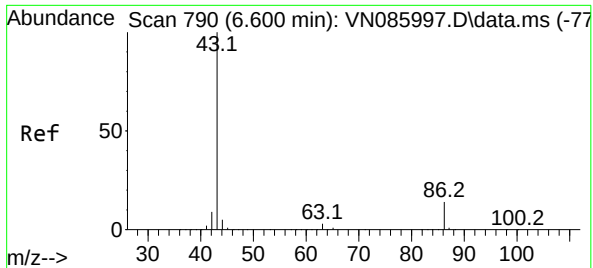
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#22
Diisopropyl ether
Concen: 60.675 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Tgt Ion: 45 Resp: 382340
Ion Ratio Lower Upper
45 100
43 47.7 41.2 61.8
87 31.8 28.5 42.7
59 12.9 11.2 16.8





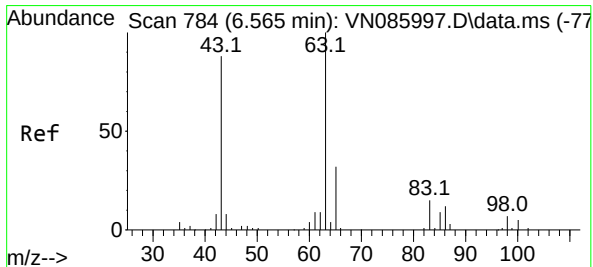
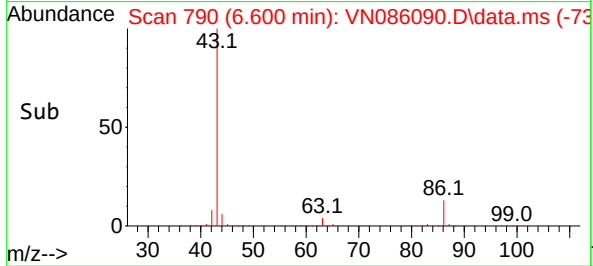
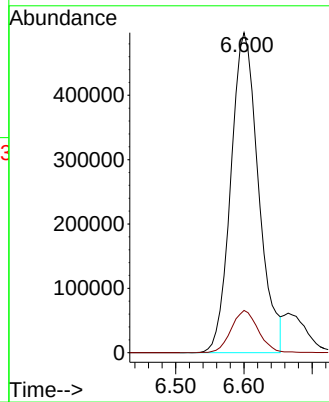
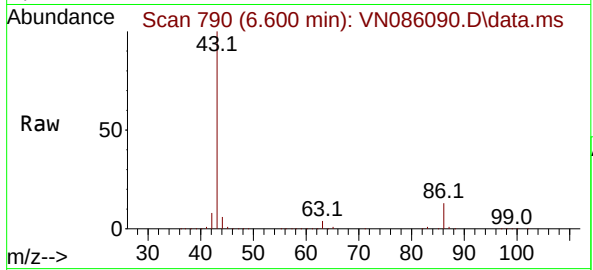
#23
 Vinyl Acetate
 Concen: 293.979 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. -0.000 min
 Lab File: VN086090.D
 Acq: 25 Mar 2025 10:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1404300
 Ion Ratio Lower Upper
 43 100
 86 13.2 11.2 16.8

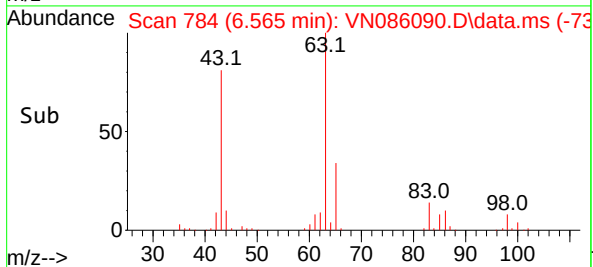
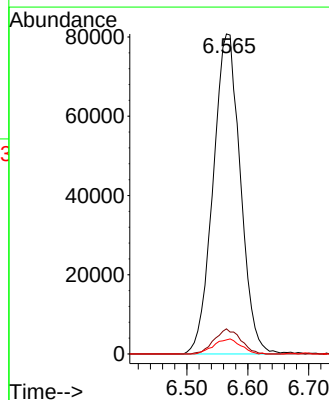
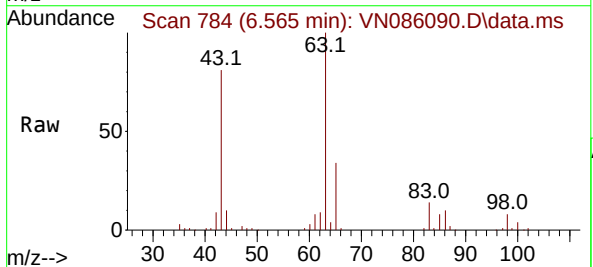
Manual Integrations
 APPROVED

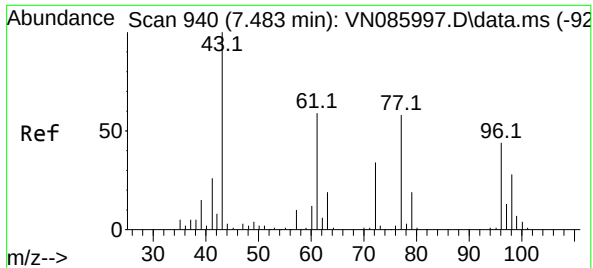
Reviewed By :John Carlone 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025



#24
 1,1-Dichloroethane
 Concen: 54.227 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. -0.000 min
 Lab File: VN086090.D
 Acq: 25 Mar 2025 10:27

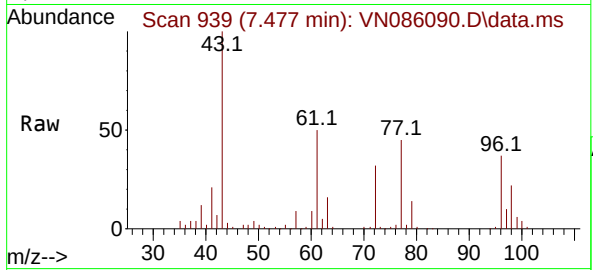
Tgt Ion: 63 Resp: 251273
 Ion Ratio Lower Upper
 63 100
 98 7.9 3.6 10.9
 100 4.4 2.5 7.5





#25
2-Butanone
Concen: 285.048 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

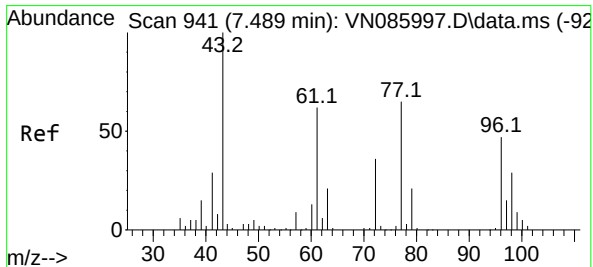
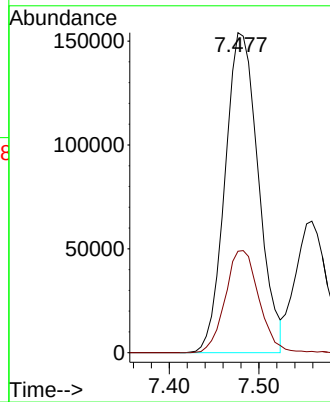
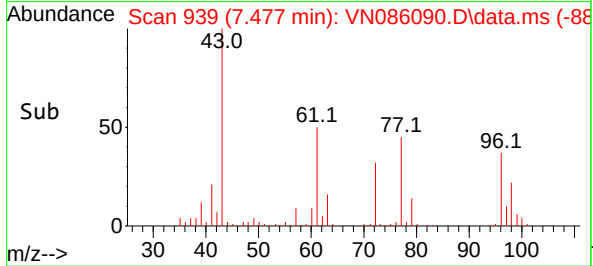
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



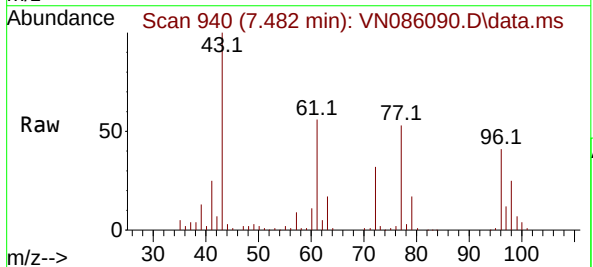
Tgt Ion: 43 Resp: 39809
Ion Ratio Lower Upper
43 100
72 31.7 27.4 41.0

Manual Integrations
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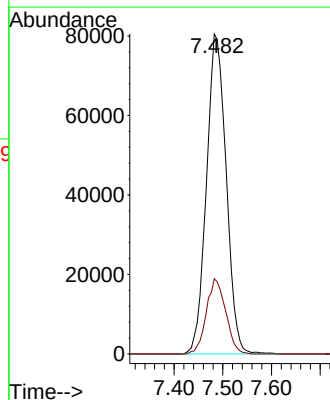
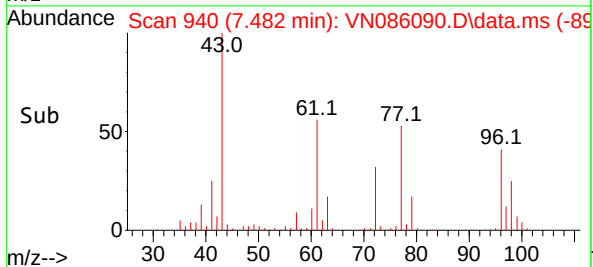
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

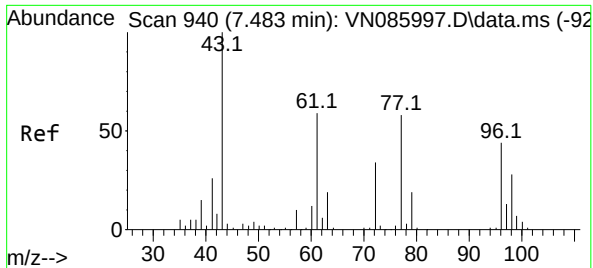


#26
2,2-Dichloropropane
Concen: 50.705 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27



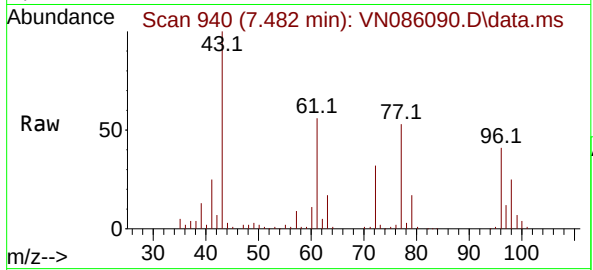
Tgt Ion: 77 Resp: 226204
Ion Ratio Lower Upper
77 100
97 23.0 11.2 33.5





#27
cis-1,2-Dichloroethene
Concen: 54.602 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

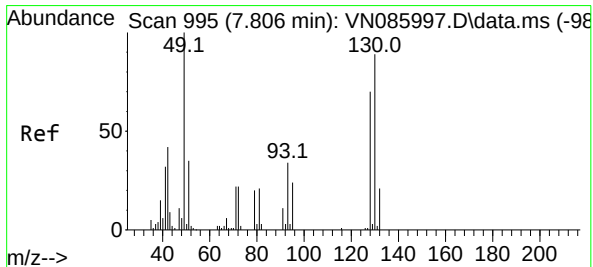
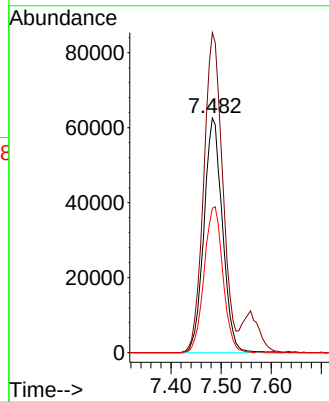
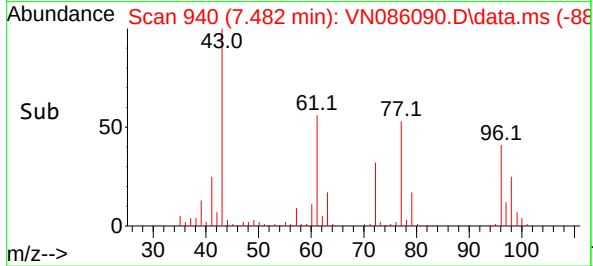
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 160720
Ion Ratio Lower Upper
96 100
61 138.2 0.0 272.8
98 63.0 0.0 124.8

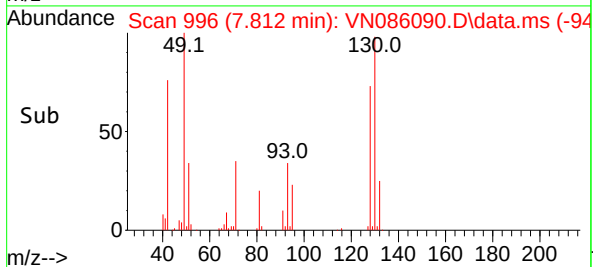
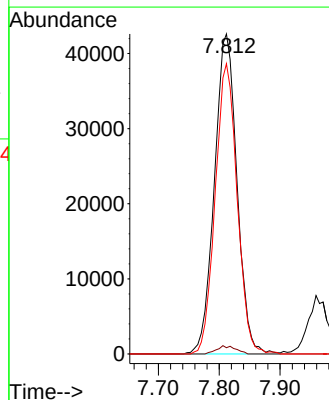
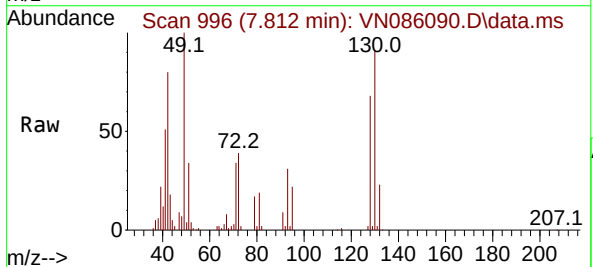
Manual Integrations
APPROVED

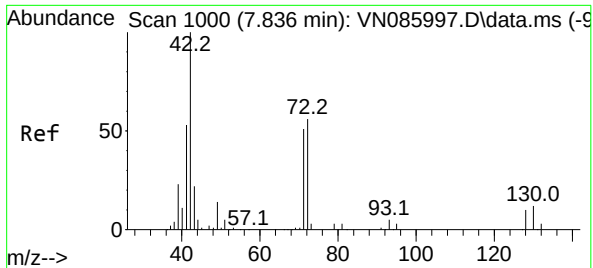
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#28
Bromochloromethane
Concen: 55.857 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Tgt Ion: 49 Resp: 109660
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.2
130 88.2 74.2 111.4





#29

Tetrahydrofuran

Concen: 316.370 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 27277

Ion Ratio Lower Upper

42 100

72 52.1 45.0 67.4

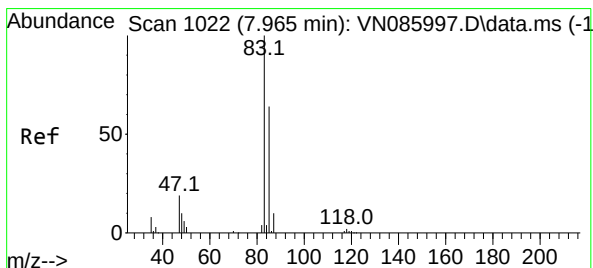
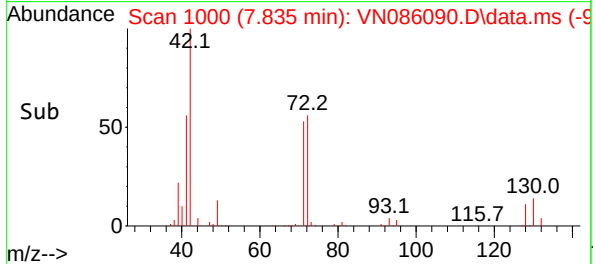
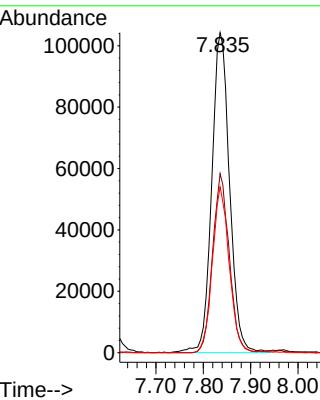
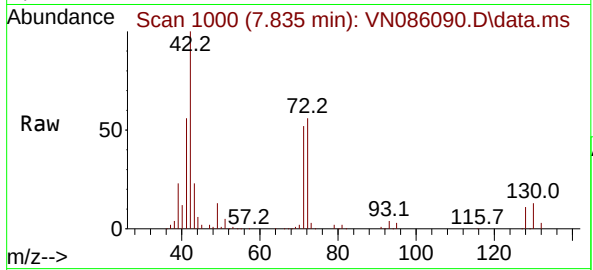
71 48.7 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#30

Chloroform

Concen: 51.169 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086090.D

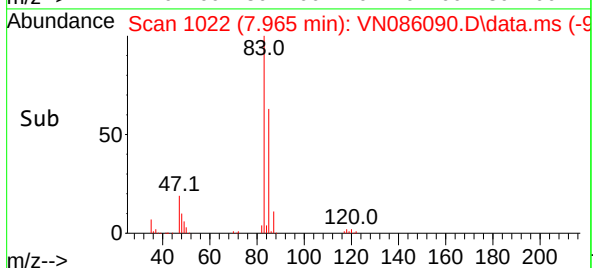
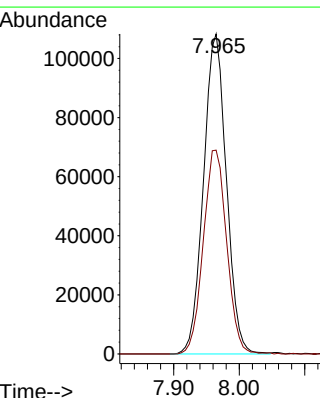
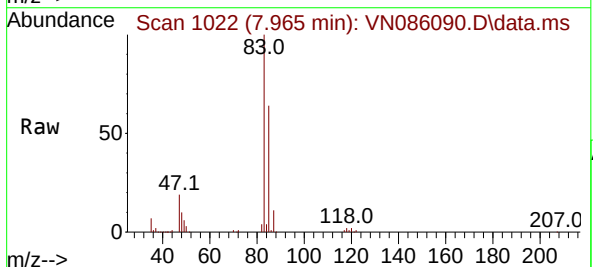
Acq: 25 Mar 2025 10:27

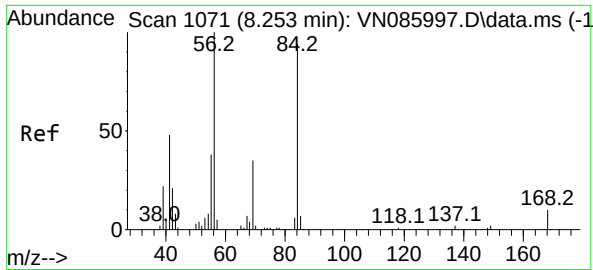
Tgt Ion: 83 Resp: 262080

Ion Ratio Lower Upper

83 100

85 63.7 51.5 77.3





#31

Cyclohexane

Concen: 52.225 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 206158

Ion Ratio Lower Upper

56 100

69 32.3 28.0 42.0

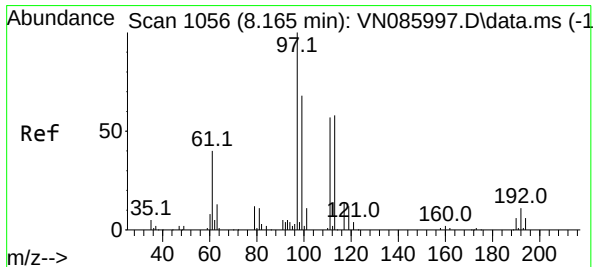
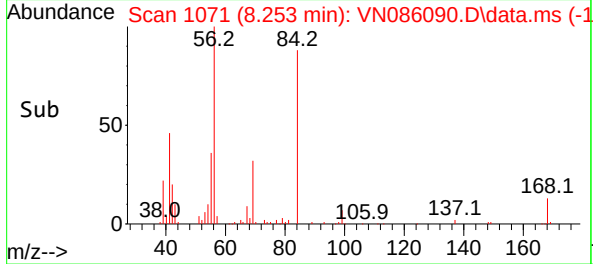
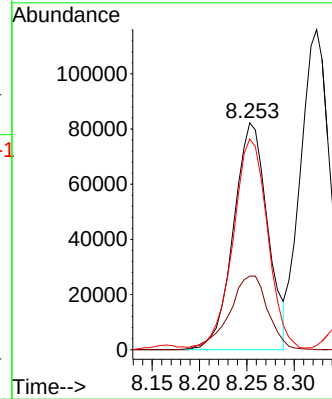
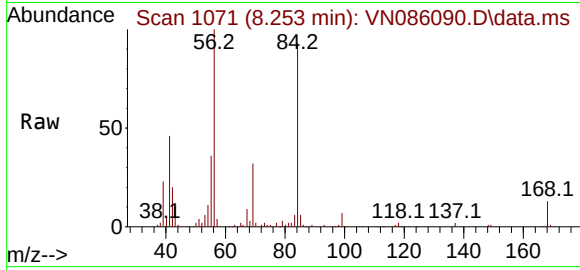
84 91.5 75.0 112.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#32

1,1,1-Trichloroethane

Concen: 49.193 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

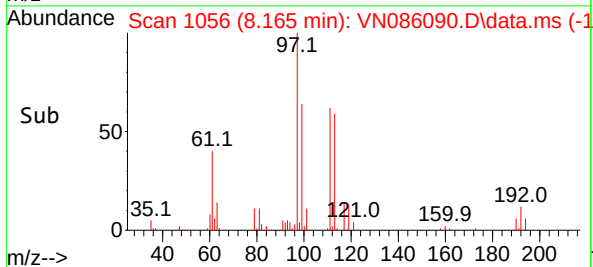
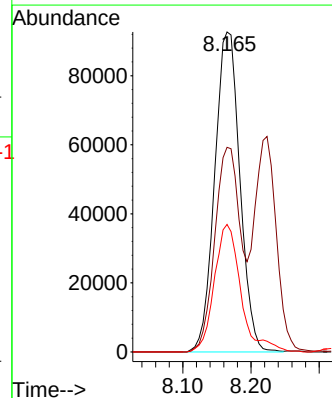
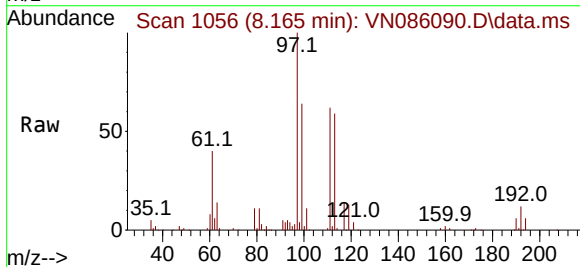
Tgt Ion: 97 Resp: 238504

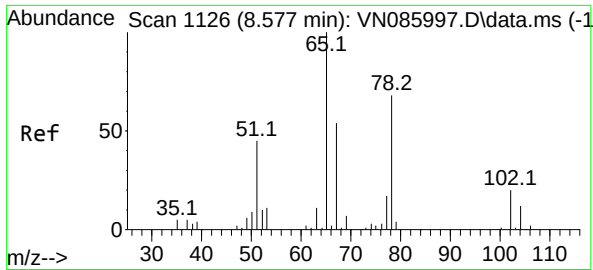
Ion Ratio Lower Upper

97 100

99 65.6 52.8 79.2

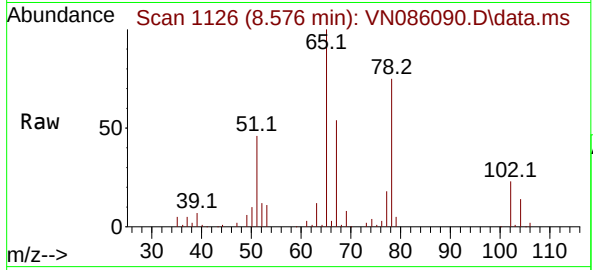
61 41.9 33.6 50.4





#33
1,2-Dichloroethane-d4
Concen: 49.704 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

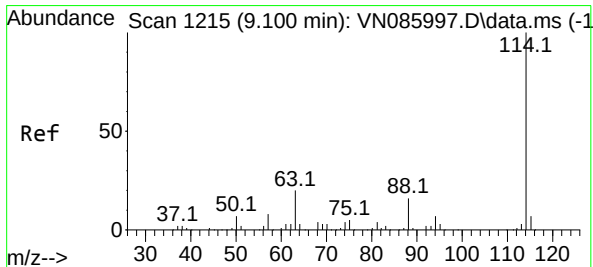
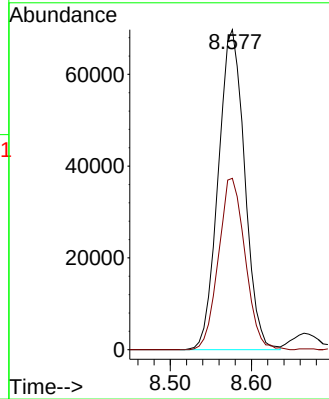
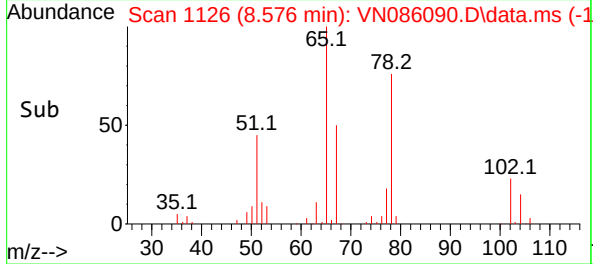
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 65 Resp: 157468
Ion Ratio Lower Upper
65 100
67 54.1 0.0 102.2

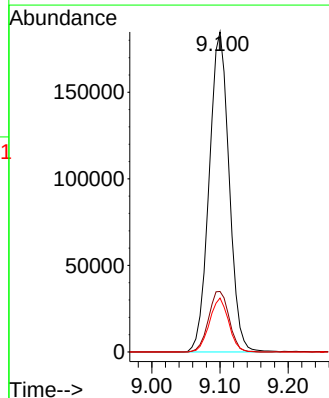
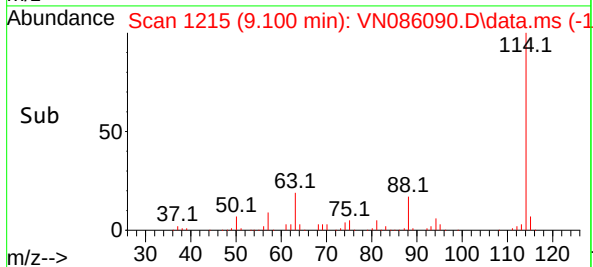
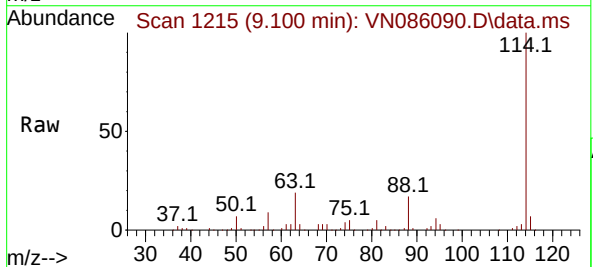
Manual Integrations
APPROVED

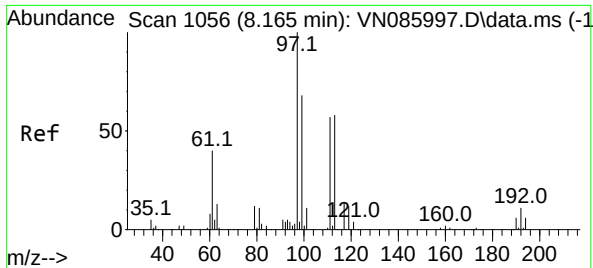
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Tgt Ion:114 Resp: 376282
Ion Ratio Lower Upper
114 100
63 18.9 0.0 39.6
88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.298 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

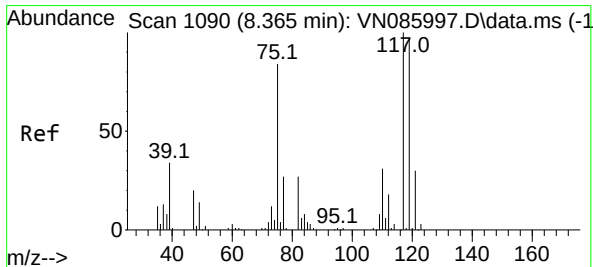
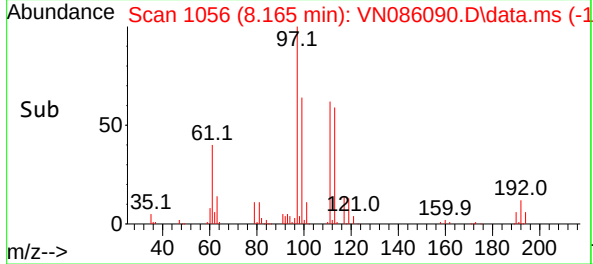
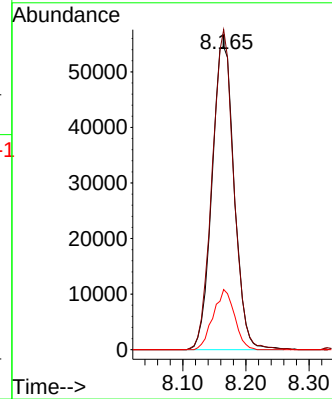
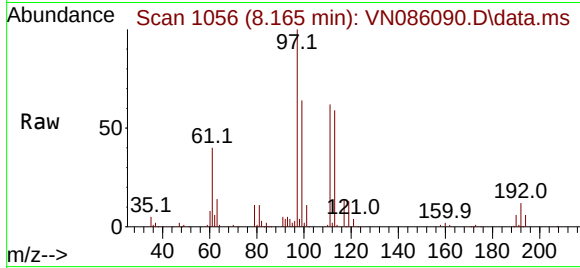
Tgt Ion:	113	Resp:	134729
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.8	122.8
192	18.9	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#36

1,1-Dichloropropene

Concen: 53.539 ug/l

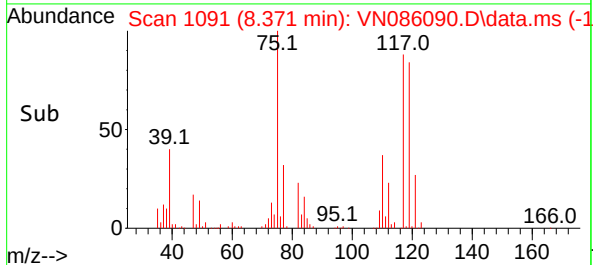
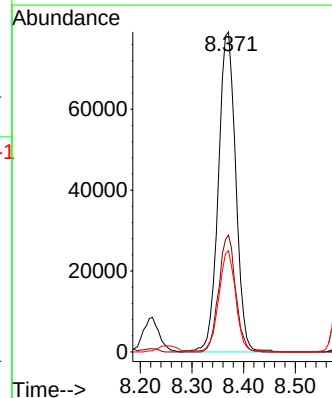
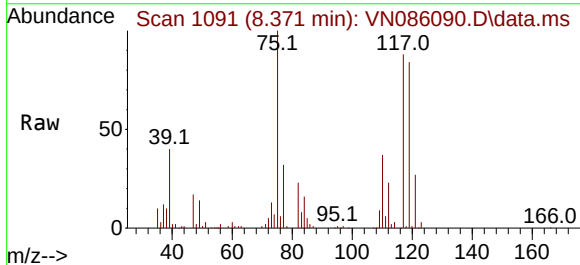
RT: 8.371 min Scan# 1091

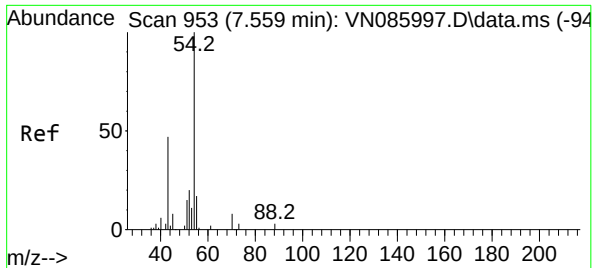
Delta R.T. 0.006 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

Tgt Ion:	75	Resp:	185156
Ion Ratio	Lower	Upper	
75	100		
110	35.4	17.8	53.3
77	30.8	25.0	37.4





#37

Ethyl Acetate

Concen: 55.218 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 16110

Ion Ratio Lower Upper

43 100

61 15.0 13.0 19.4

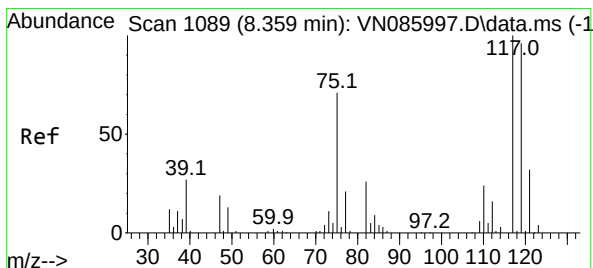
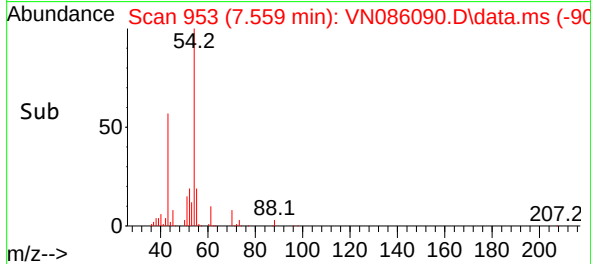
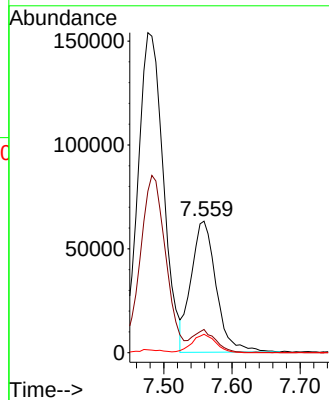
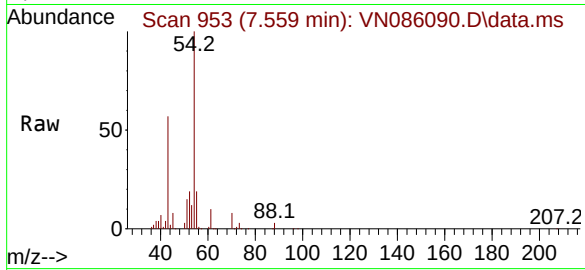
70 13.3 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#38

Carbon Tetrachloride

Concen: 48.589 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

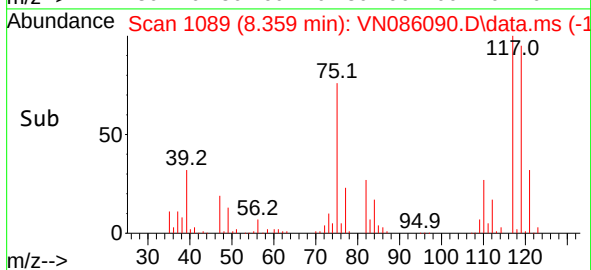
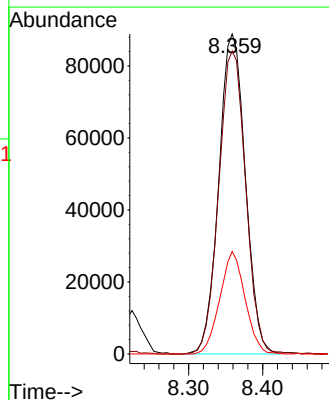
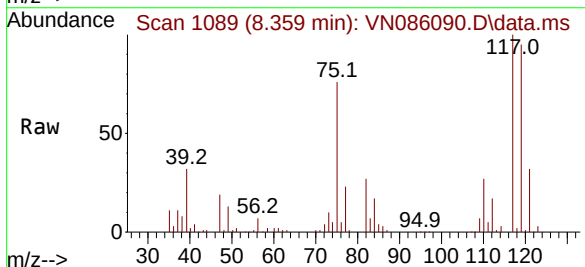
Tgt Ion:117 Resp: 220942

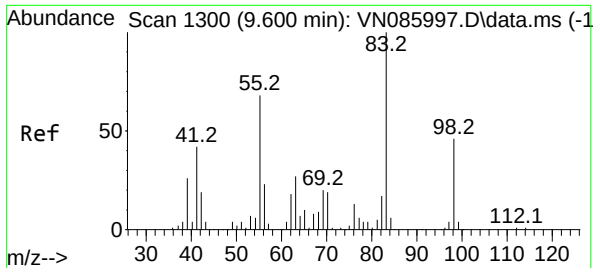
Ion Ratio Lower Upper

117 100

119 94.7 77.0 115.4

121 32.0 25.6 38.4





#39

Methylcyclohexane

Concen: 54.188 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

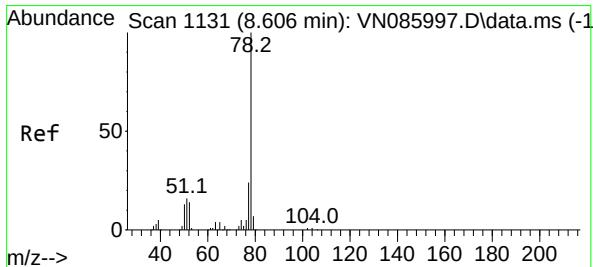
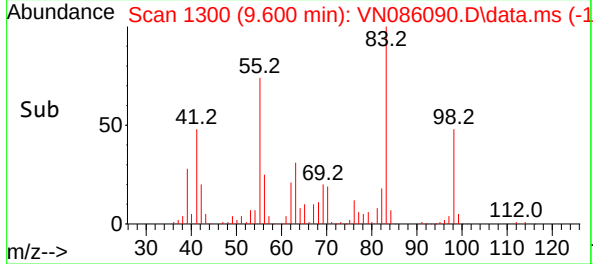
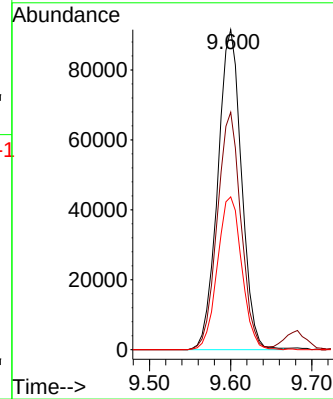
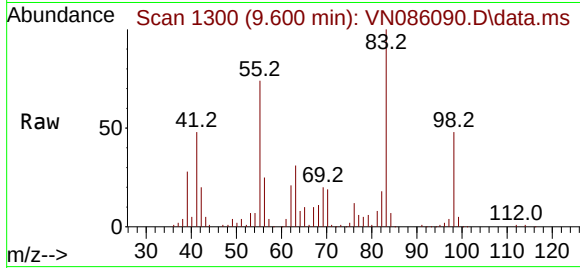
Tgt Ion:	83	Resp:	18592
Ion Ratio	Lower	Upper	
83	100		
55	74.2	54.2	81.2
98	47.7	37.1	55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#40

Benzene

Concen: 53.365 ug/l

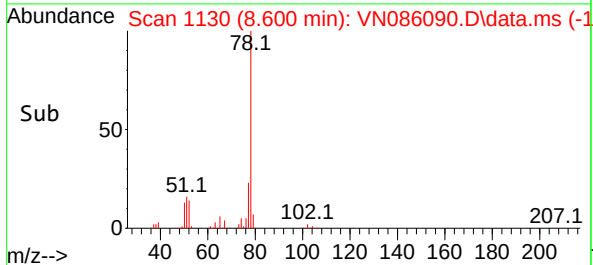
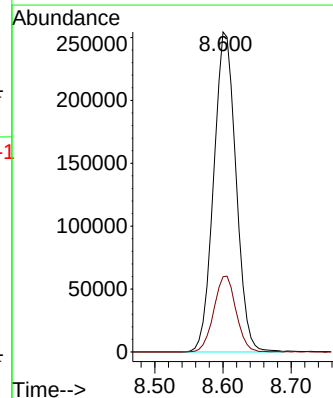
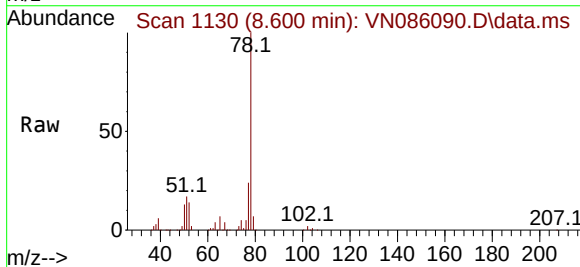
RT: 8.600 min Scan# 1130

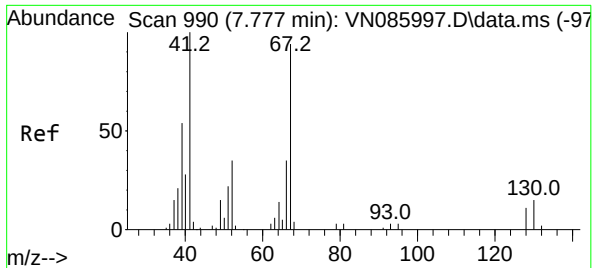
Delta R.T. -0.006 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

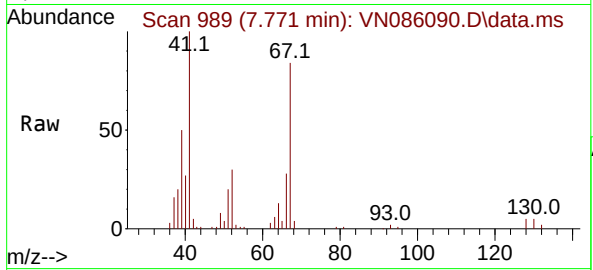
Tgt Ion:	78	Resp:	579356
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.9	28.3





#41
Methacrylonitrile
Concen: 59.153 ug/l
RT: 7.771 min Scan# 990
Delta R.T. -0.006 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

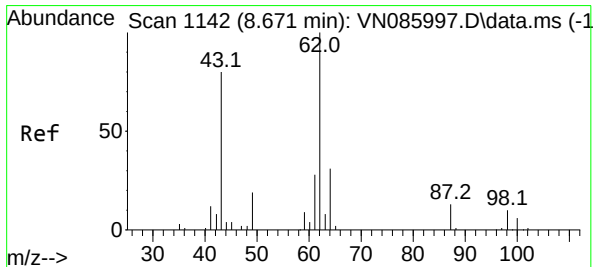
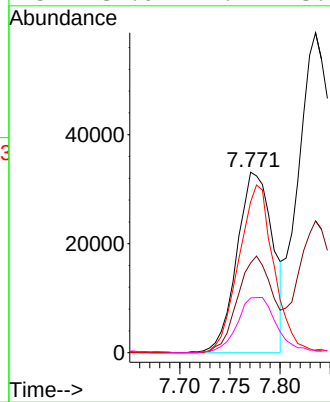
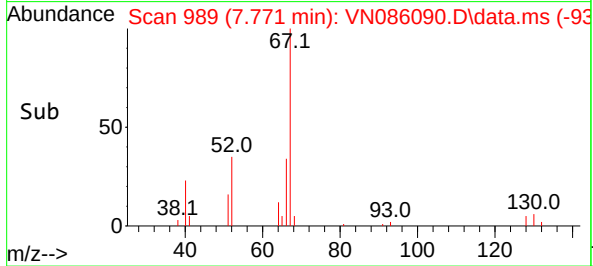
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 82410
Ion Ratio Lower Upper
41 100
39 51.8 46.2 69.2
67 90.7 75.9 113.9
52 34.0 29.2 43.8

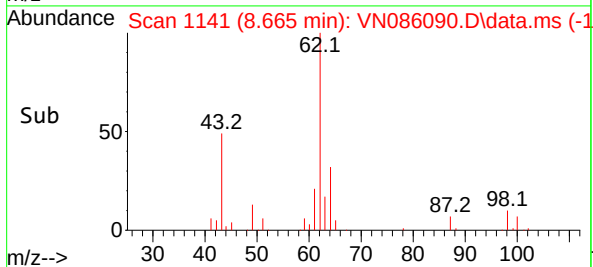
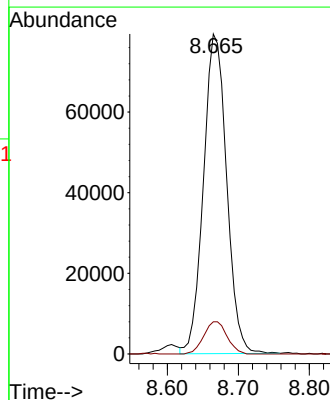
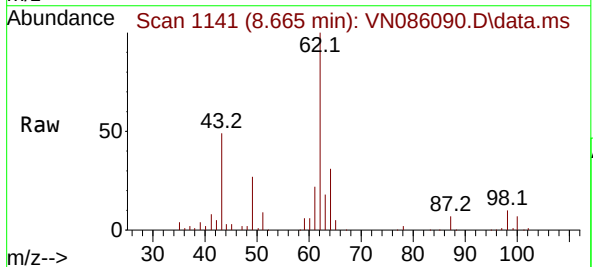
Manual Integrations
APPROVED

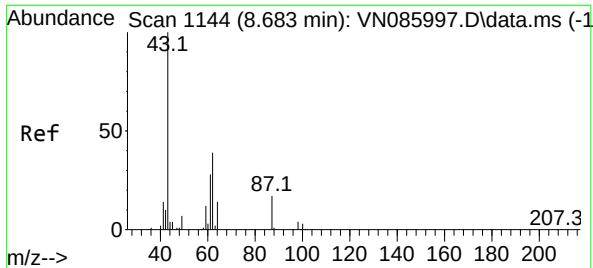
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#42
1,2-Dichloroethane
Concen: 47.557 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

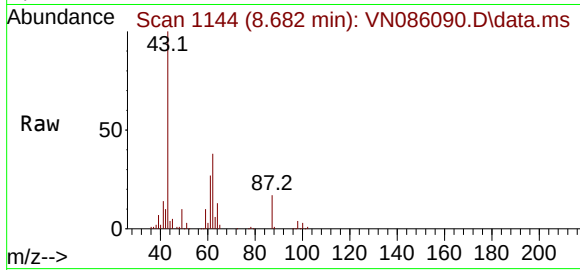
Tgt Ion: 62 Resp: 179900
Ion Ratio Lower Upper
62 100
98 10.1 0.0 18.6





#43
Isopropyl Acetate
Concen: 42.158 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

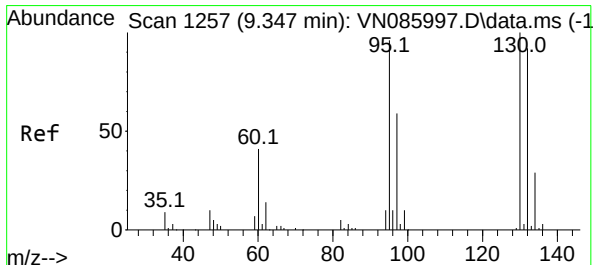
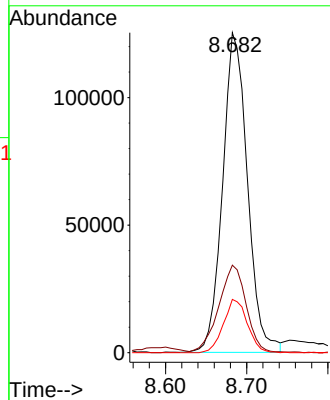
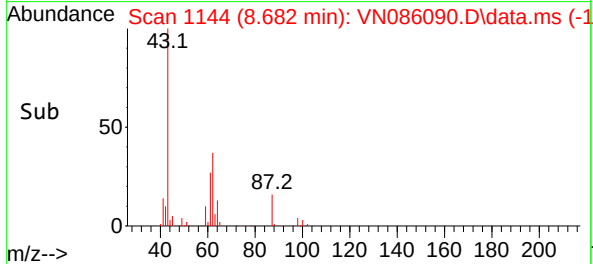
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 266532
Ion Ratio Lower Upper
43 100
61 30.4 25.0 37.6
87 16.1 13.0 19.4

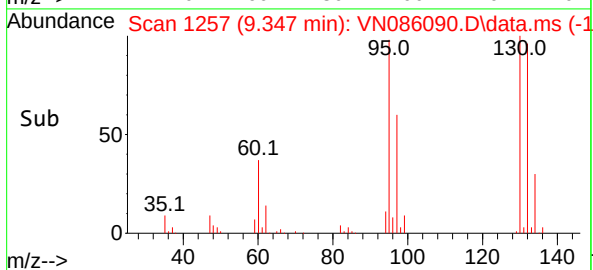
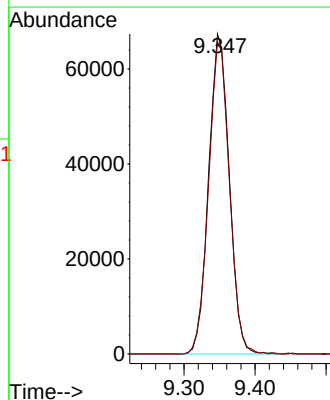
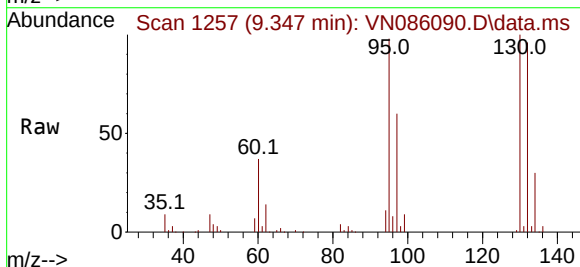
Manual Integrations
APPROVED

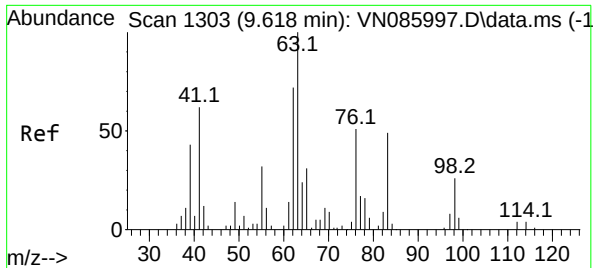
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#44
Trichloroethene
Concen: 48.329 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Tgt Ion:130 Resp: 135986
Ion Ratio Lower Upper
130 100
95 97.6 0.0 191.6





#45

1,2-Dichloropropane

Concen: 57.679 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 142424

Ion Ratio Lower Upper

63 100

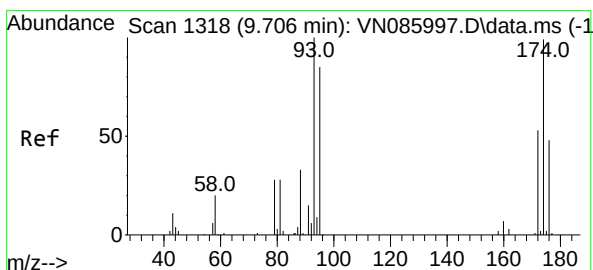
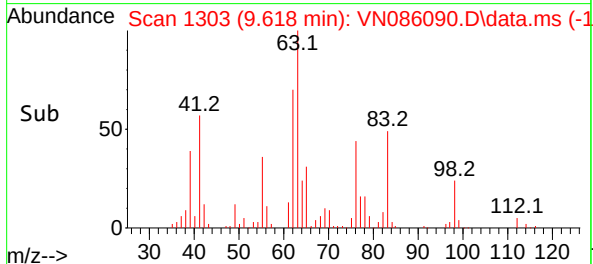
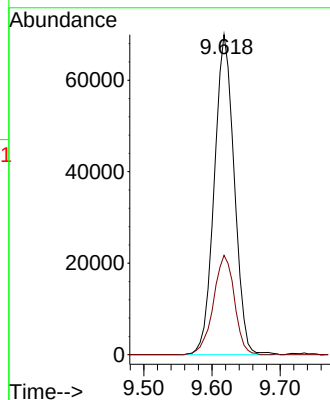
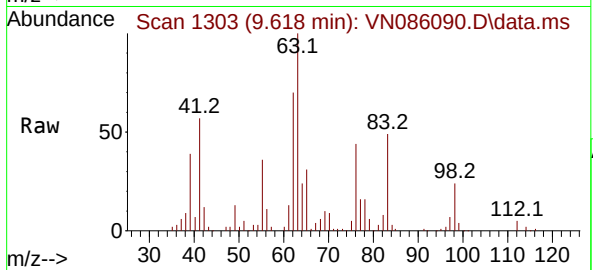
65 31.1 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#46

Dibromomethane

Concen: 52.433 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

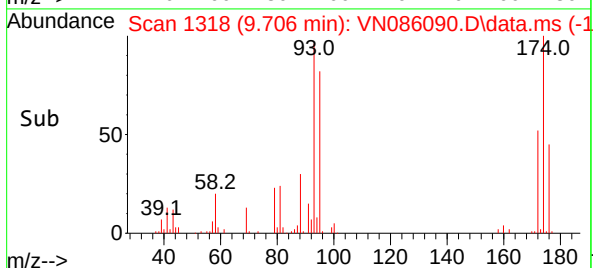
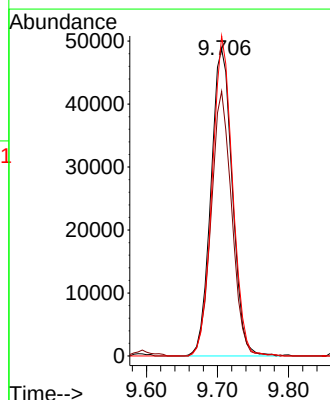
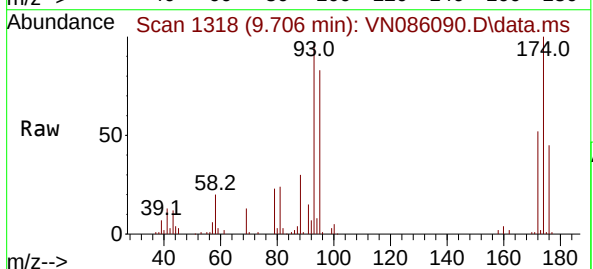
Tgt Ion: 93 Resp: 101819

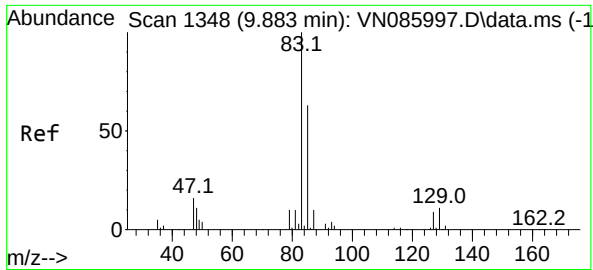
Ion Ratio Lower Upper

93 100

95 82.9 66.2 99.2

174 99.2 80.1 120.1





#47

Bromodichloromethane

Concen: 51.821 ug/l

RT: 9.882 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086090.D

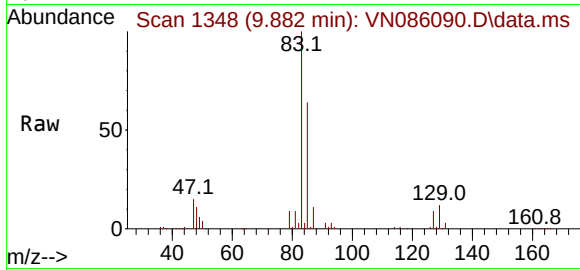
Acq: 25 Mar 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050



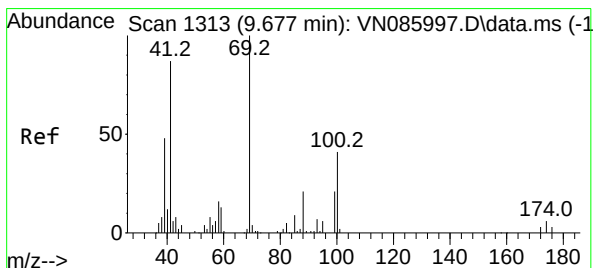
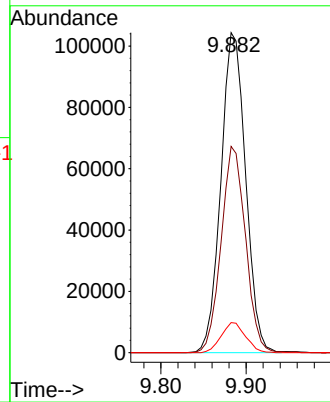
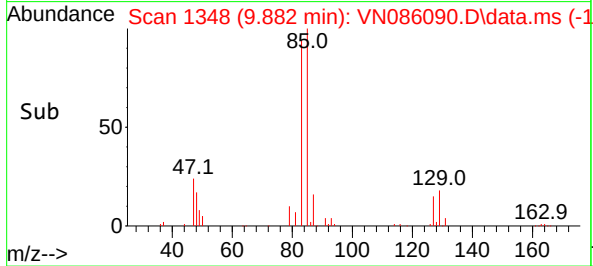
Tgt Ion:	83	Resp:	21031
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.2	75.2
127	9.4	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#48

Methyl methacrylate

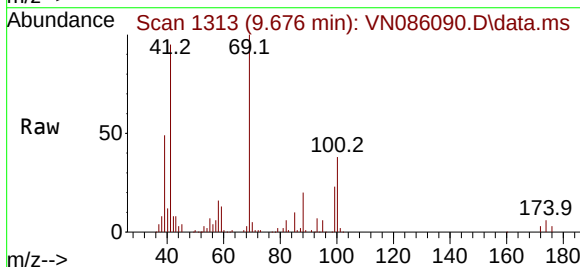
Concen: 58.367 ug/l

RT: 9.676 min Scan# 1313

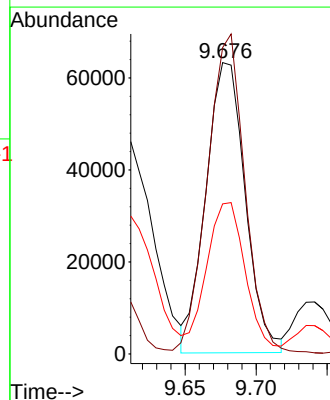
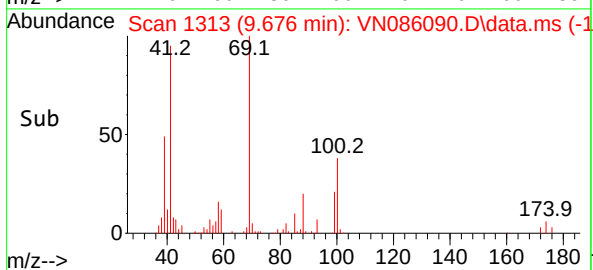
Delta R.T. -0.000 min

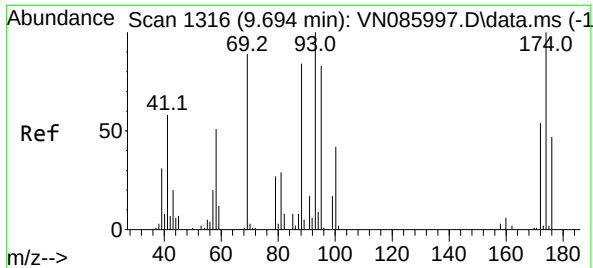
Lab File: VN086090.D

Acq: 25 Mar 2025 10:27



Tgt Ion:	41	Resp:	121770
Ion	Ratio	Lower	Upper
41	100		
69	104.8	83.1	124.7
39	52.0	45.6	68.4





#49

1,4-Dioxane

Concen: 1157.939 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 57108

Ion Ratio Lower Upper

88 100

43 22.1 21.7 32.5

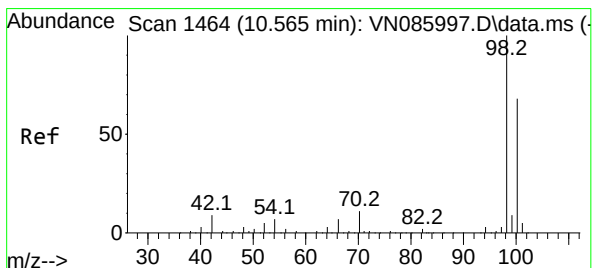
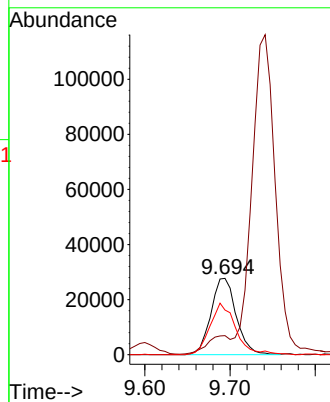
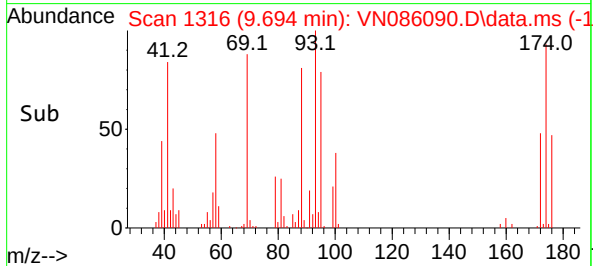
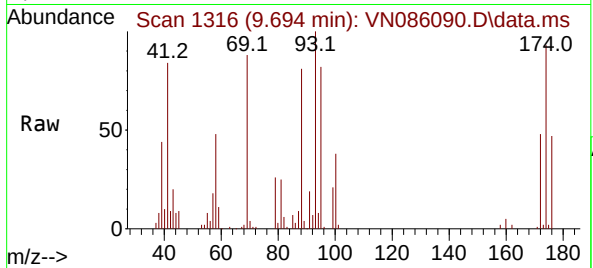
58 69.2 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#50

Toluene-d8

Concen: 53.276 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086090.D

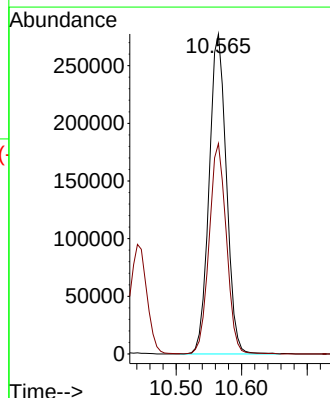
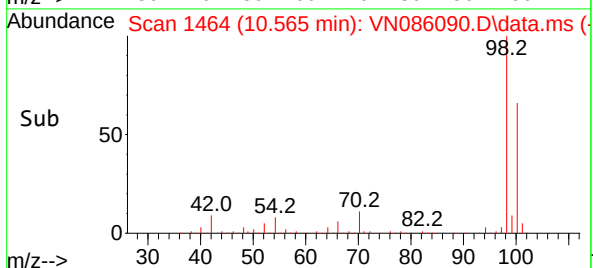
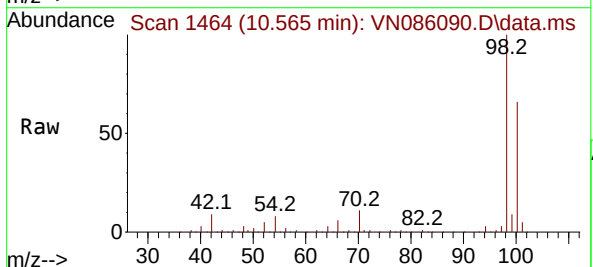
Acq: 25 Mar 2025 10:27

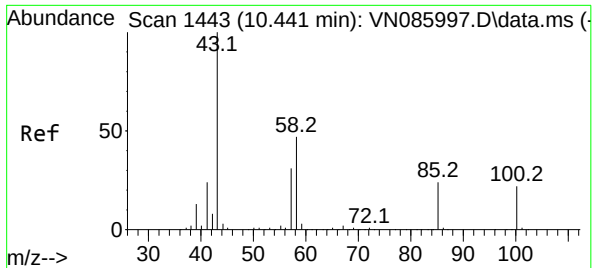
Tgt Ion: 98 Resp: 507830

Ion Ratio Lower Upper

98 100

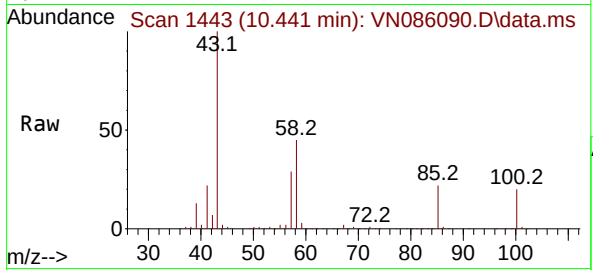
100 65.6 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 306.218 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

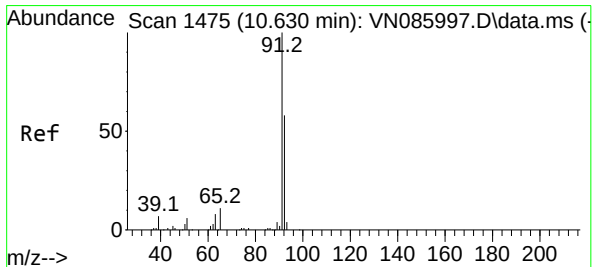
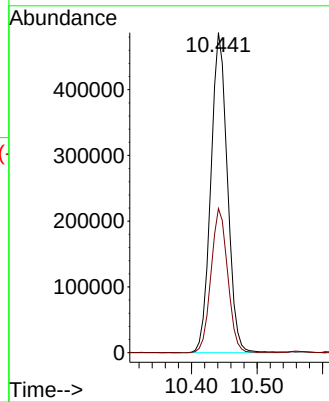
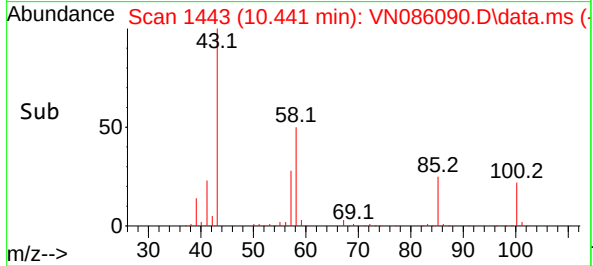
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 853814
Ion Ratio Lower Upper
43 100
58 45.3 37.4 56.0

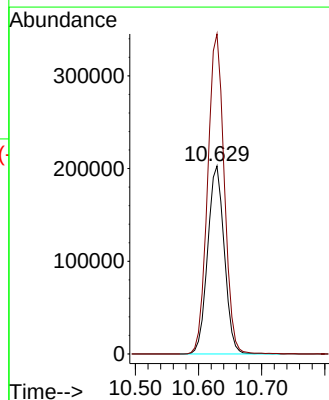
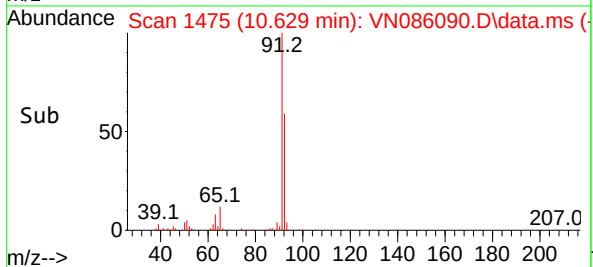
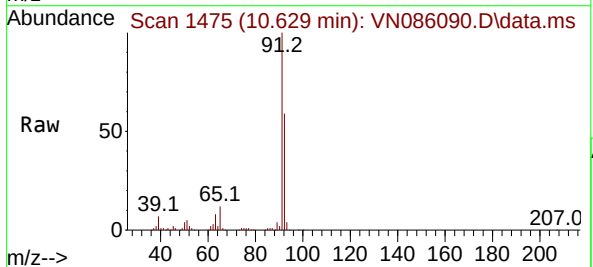
Manual Integrations
APPROVED

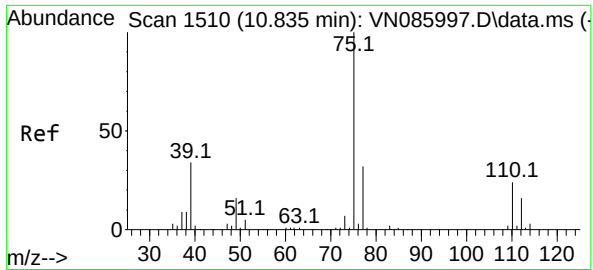
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#52
Toluene
Concen: 55.584 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

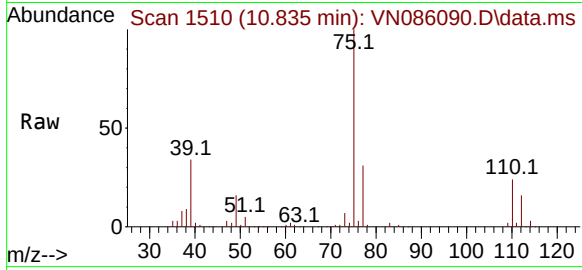
Tgt Ion: 92 Resp: 370364
Ion Ratio Lower Upper
92 100
91 169.8 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 53.995 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

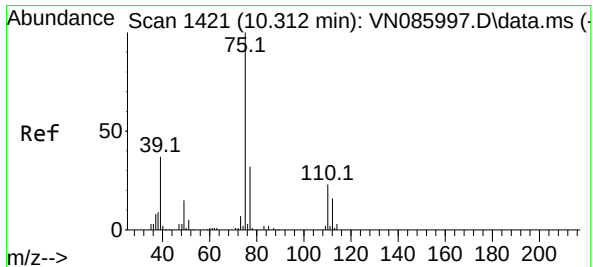
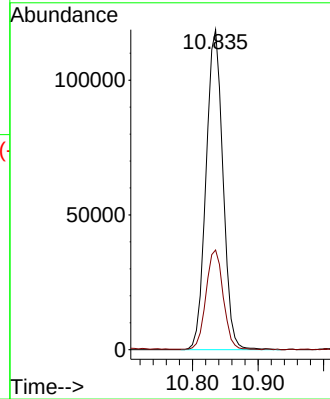
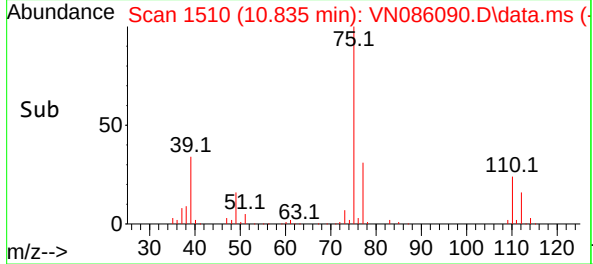
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



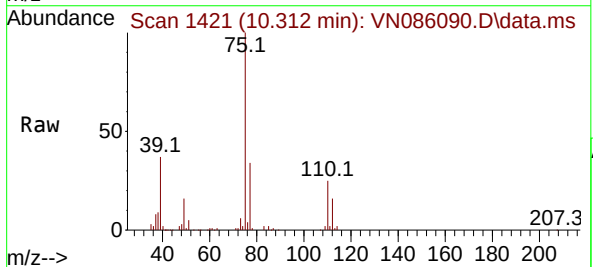
Tgt Ion: 75 Resp: 212820
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9

Manual Integrations
APPROVED

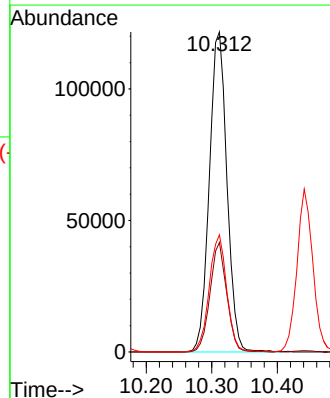
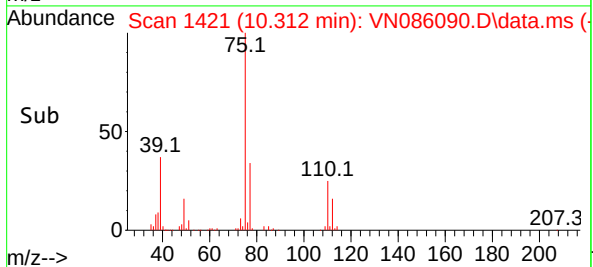
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

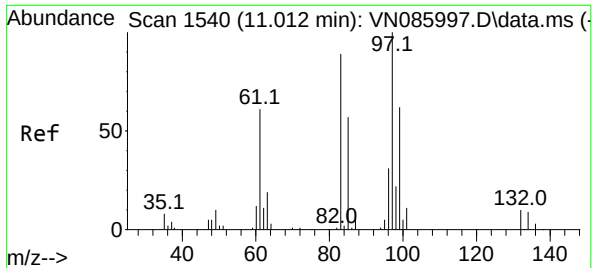


#54
cis-1,3-Dichloropropene
Concen: 54.634 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27



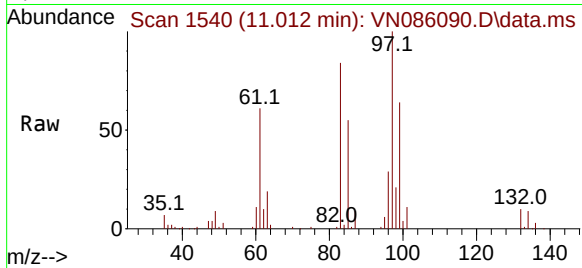
Tgt Ion: 75 Resp: 227195
Ion Ratio Lower Upper
75 100
77 34.2 25.3 37.9
39 36.6 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 54.212 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

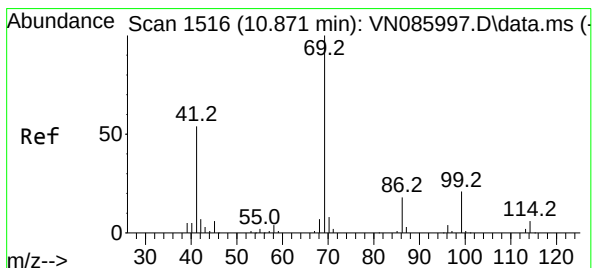
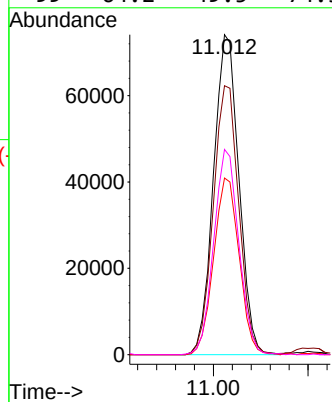
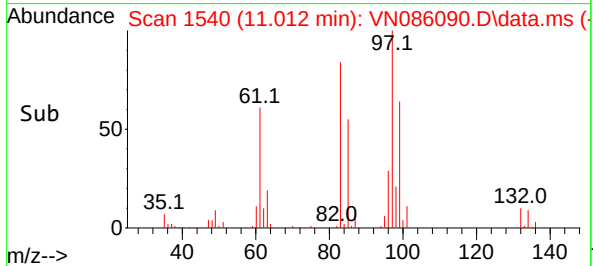
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 97 Resp: 137870
Ion Ratio Lower Upper
97 100
83 84.0 71.2 106.8
85 55.2 45.4 68.0
99 64.2 49.5 74.3

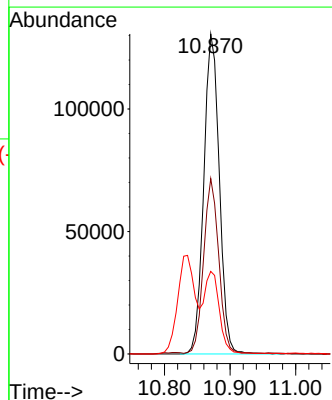
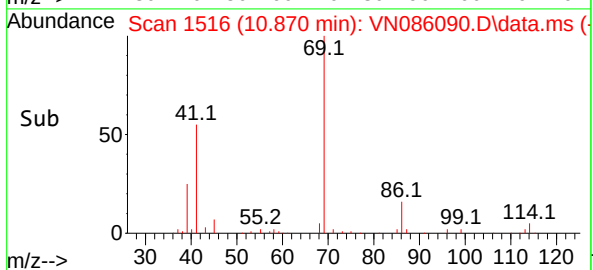
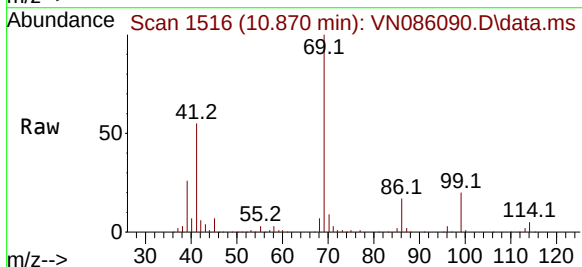
Manual Integrations
APPROVED

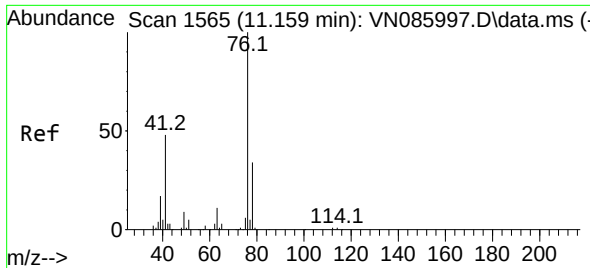
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#56
Ethyl methacrylate
Concen: 53.688 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.001 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Tgt Ion: 69 Resp: 216154
Ion Ratio Lower Upper
69 100
41 52.9 41.6 62.4
39 25.1 21.8 32.8





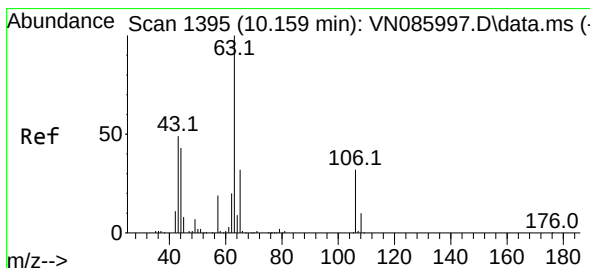
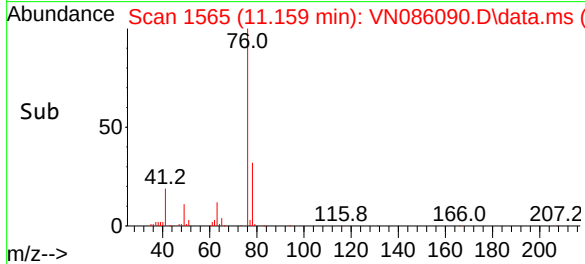
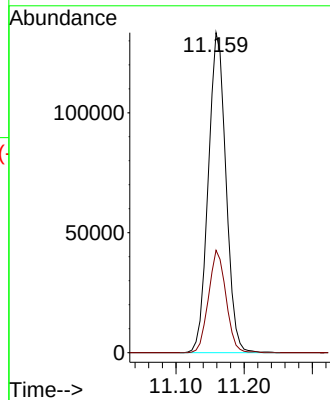
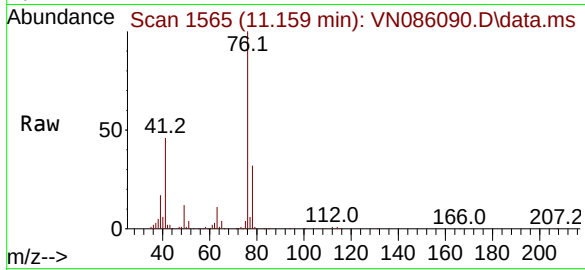
#57
1,3-Dichloropropane
Concen: 55.686 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 24053
Ion Ratio Lower Upper
76 100
78 31.6 25.8 38.6

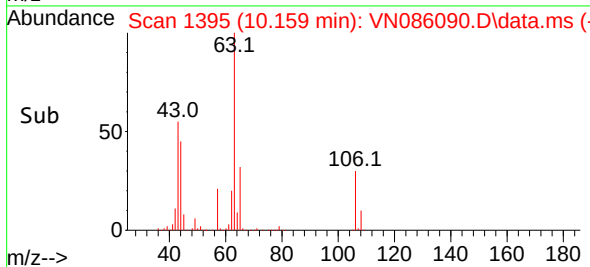
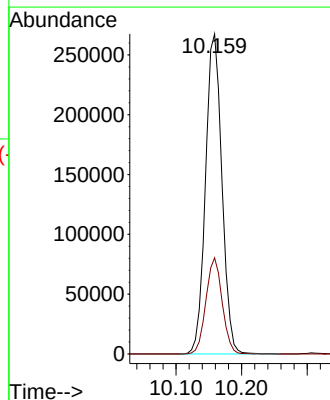
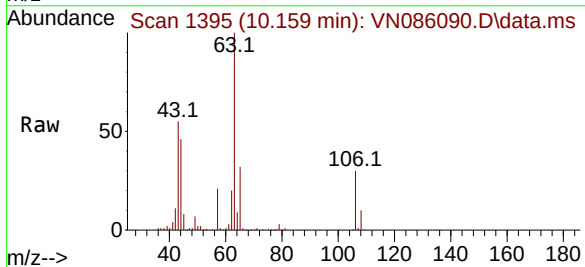
Manual Integrations
APPROVED

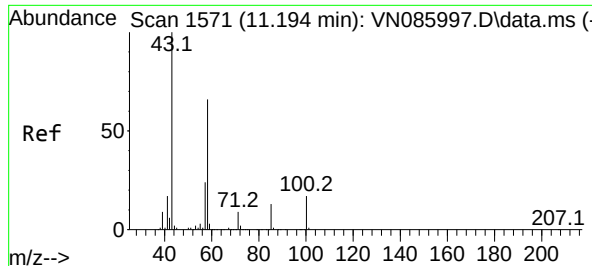
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#58
2-Chloroethyl Vinyl ether
Concen: 295.351 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

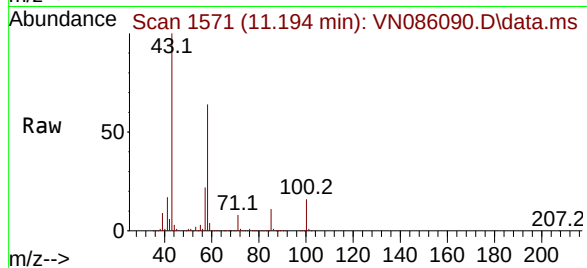
Tgt Ion: 63 Resp: 465473
Ion Ratio Lower Upper
63 100
106 29.7 25.0 37.6





#59
2-Hexanone
Concen: 311.121 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

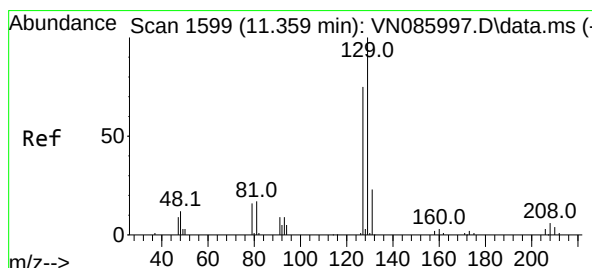
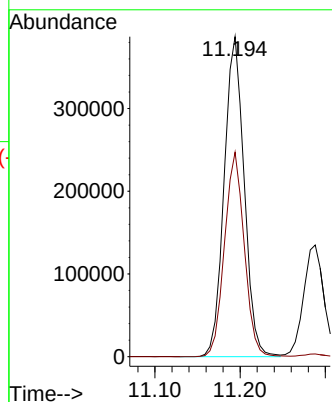
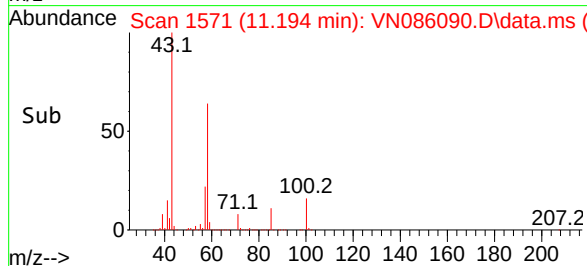
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 63195
Ion Ratio Lower Upper
43 100
58 63.0 32.4 97.2

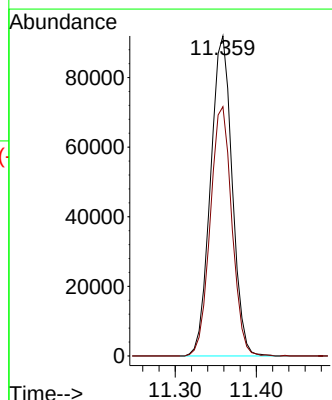
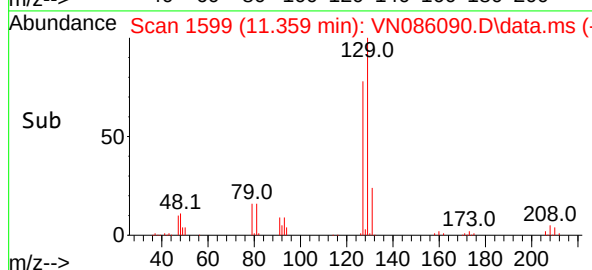
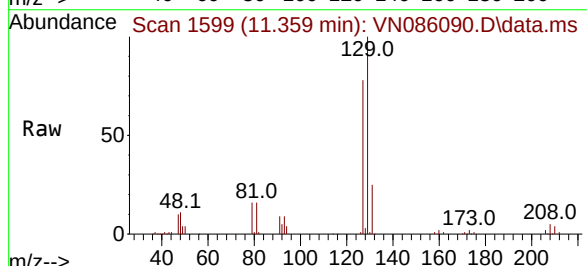
Manual Integrations
APPROVED

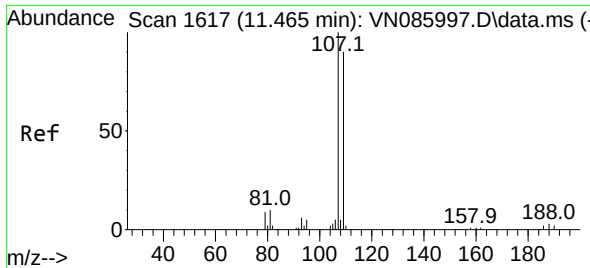
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#60
Dibromochloromethane
Concen: 51.820 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

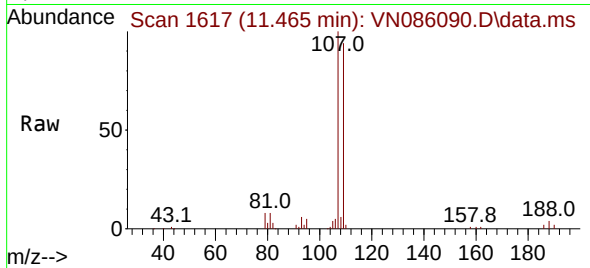
Tgt Ion:129 Resp: 170058
Ion Ratio Lower Upper
129 100
127 77.8 37.8 113.4





#61
1,2-Dibromoethane
Concen: 53.039 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

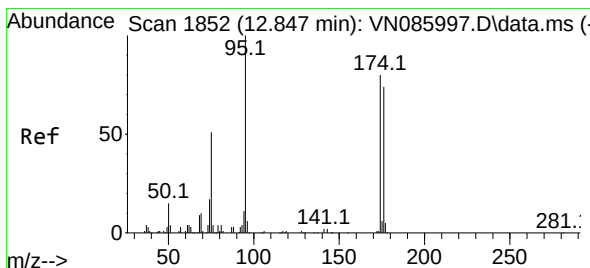
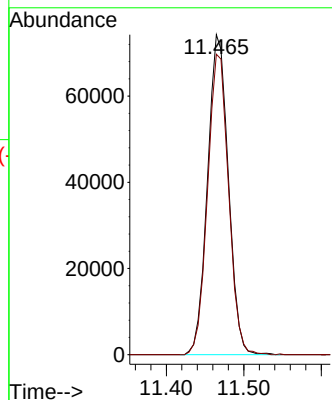
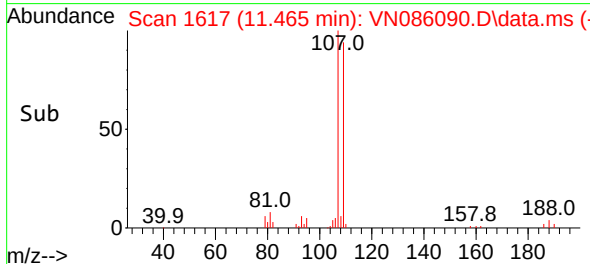
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 138476
Ion Ratio Lower Upper
107 100
109 94.6 73.3 109.9

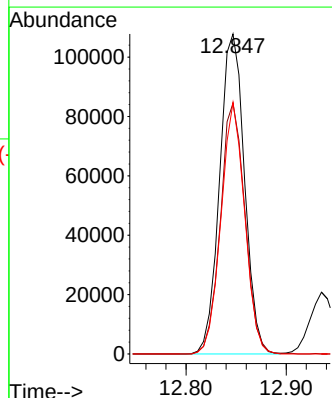
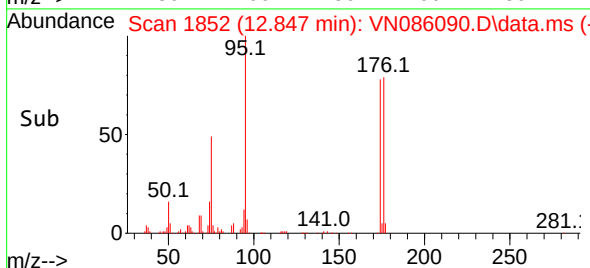
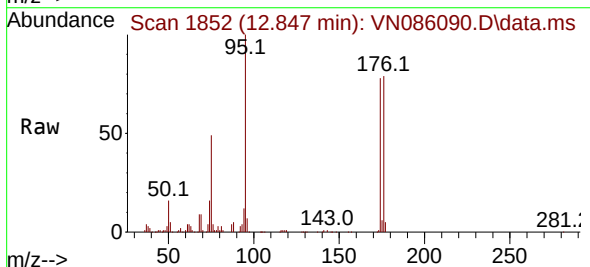
Manual Integrations
APPROVED

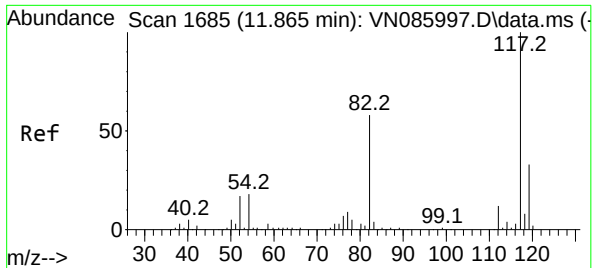
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#62
4-Bromofluorobenzene
Concen: 54.434 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

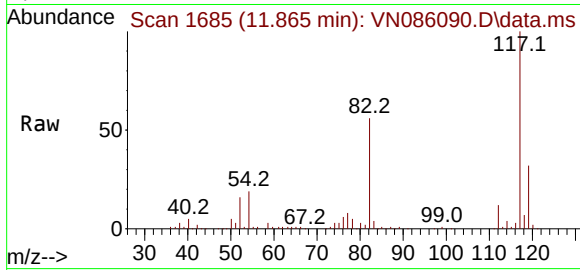
Tgt Ion: 95 Resp: 185042
Ion Ratio Lower Upper
95 100
174 77.5 0.0 156.8
176 74.8 0.0 152.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

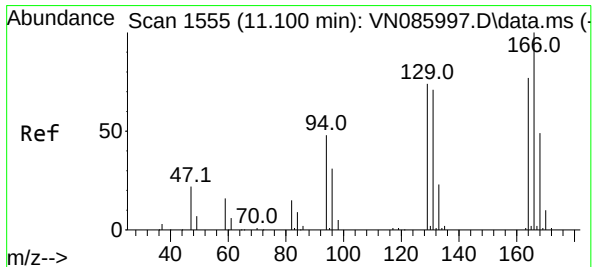
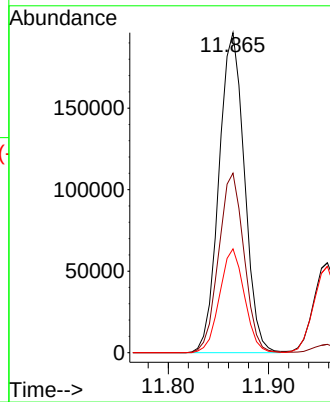
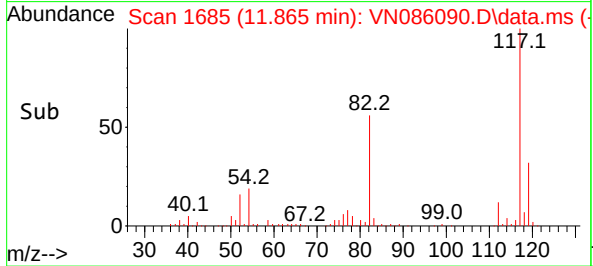
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 346115
Ion Ratio Lower Upper
117 100
82 56.1 46.7 70.1
119 32.5 26.5 39.7

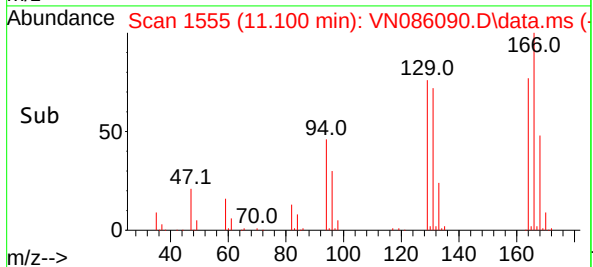
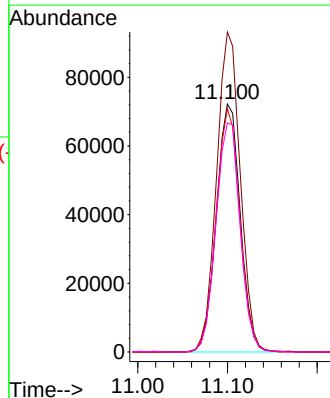
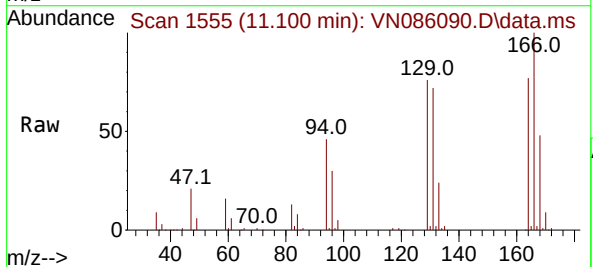
Manual Integrations
APPROVED

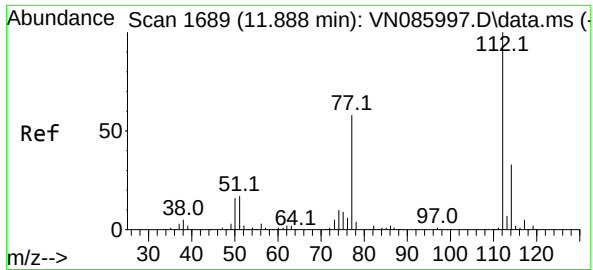
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#64
Tetrachloroethene
Concen: 48.460 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

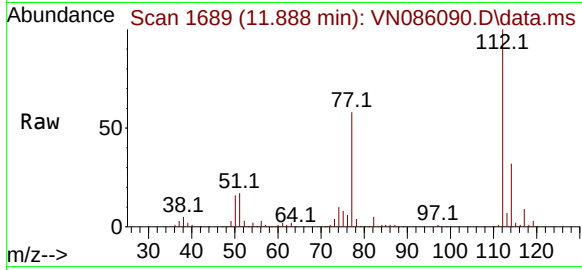
Tgt Ion:164 Resp: 133798
Ion Ratio Lower Upper
164 100
166 129.1 103.7 155.5
129 98.1 77.1 115.7
131 92.4 73.3 109.9





#65
Chlorobenzene
Concen: 50.163 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

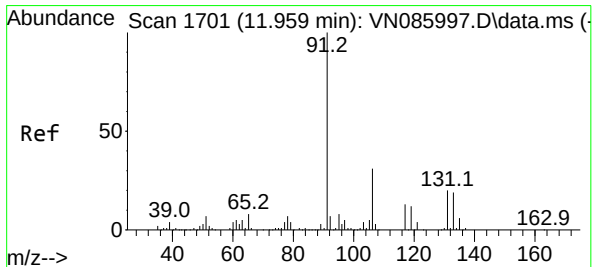
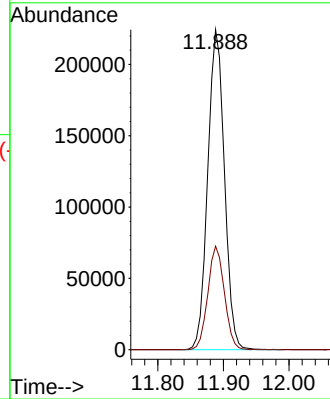
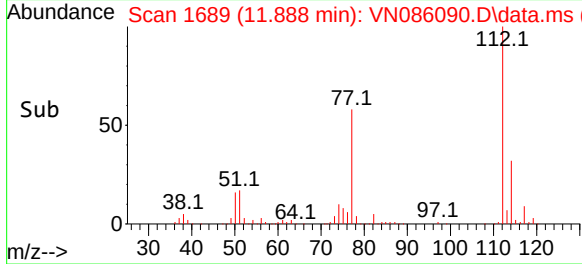
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:112 Resp: 397294
Ion Ratio Lower Upper
112 100
114 32.3 26.3 39.5

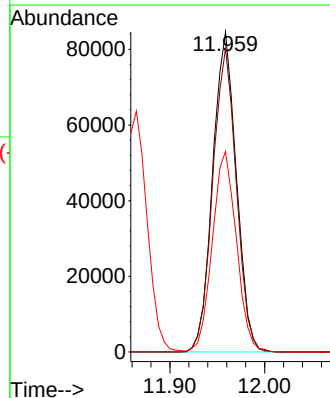
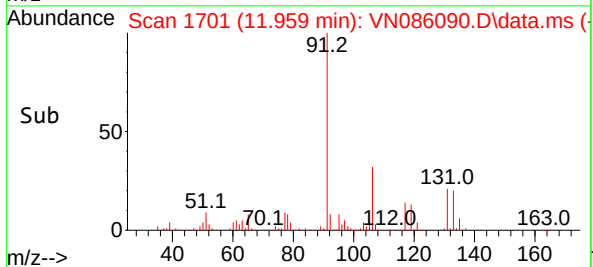
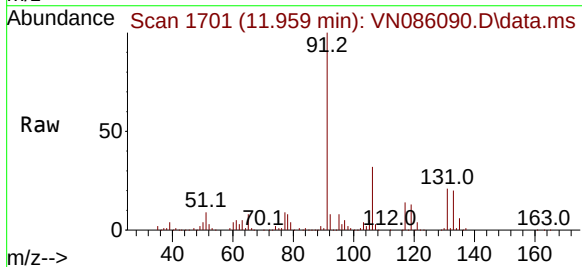
Manual Integrations
APPROVED

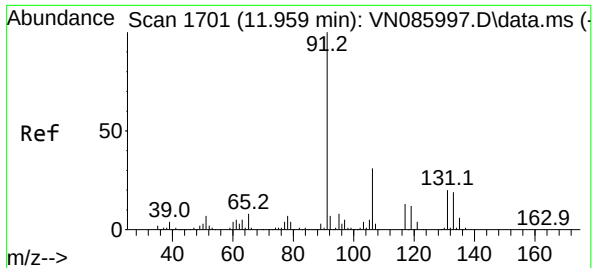
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.783 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Tgt Ion:131 Resp: 146568
Ion Ratio Lower Upper
131 100
133 95.0 47.0 141.0
119 63.7 31.4 94.0





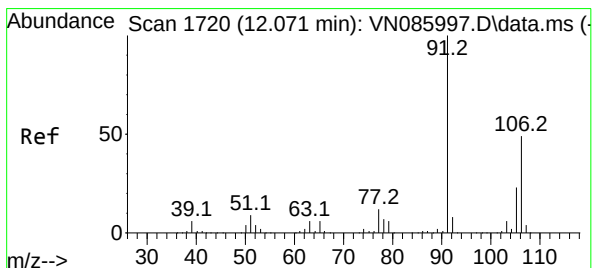
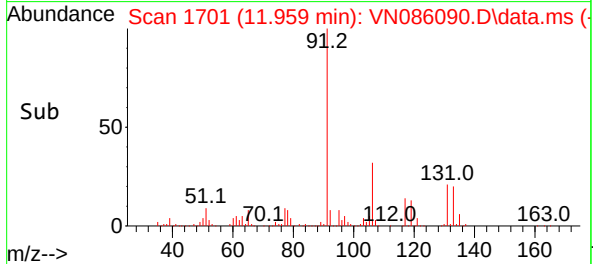
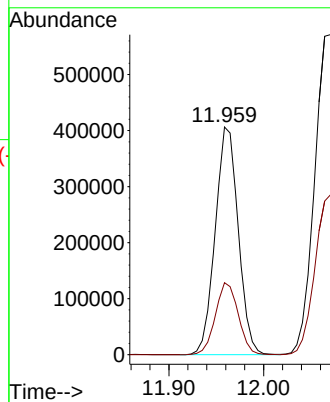
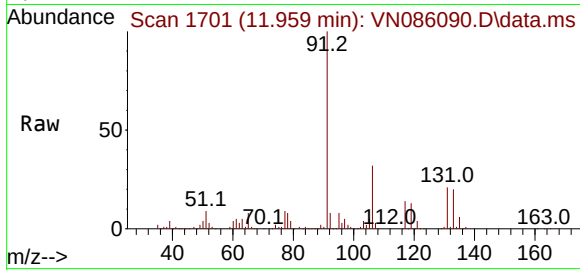
#67
Ethyl Benzene
Concen: 54.241 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 68718
Ion Ratio Lower Upper
91 100
106 31.6 24.5 36.7

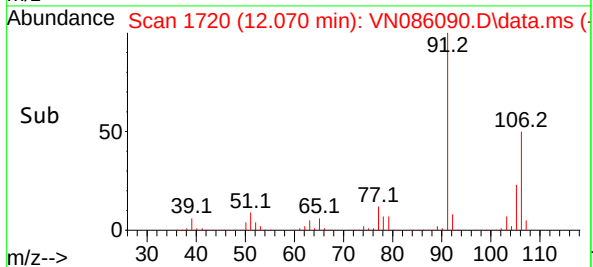
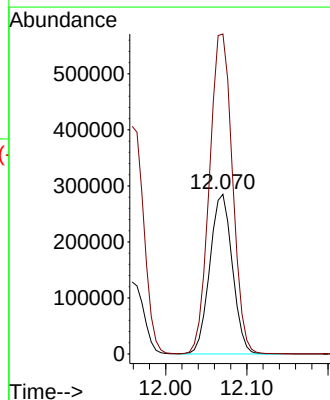
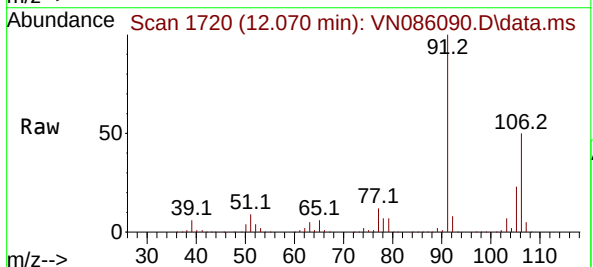
Manual Integrations
APPROVED

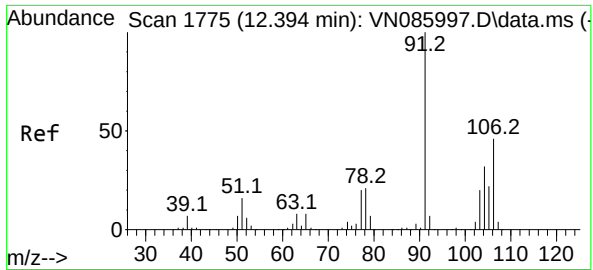
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#68
m/p-Xylenes
Concen: 110.388 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Tgt Ion:106 Resp: 549680
Ion Ratio Lower Upper
106 100
91 204.9 163.9 245.9





#69

o-Xylene

Concen: 56.737 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 25930

Ion Ratio Lower Upper

106 100

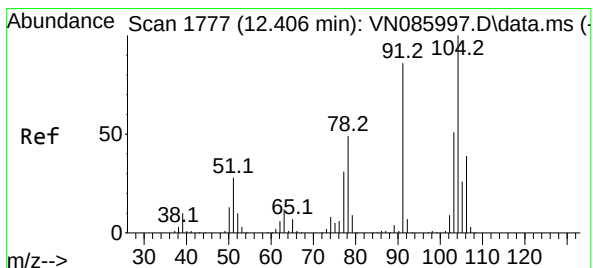
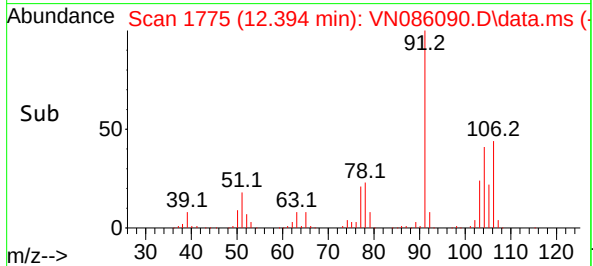
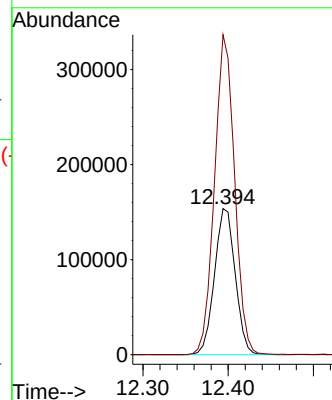
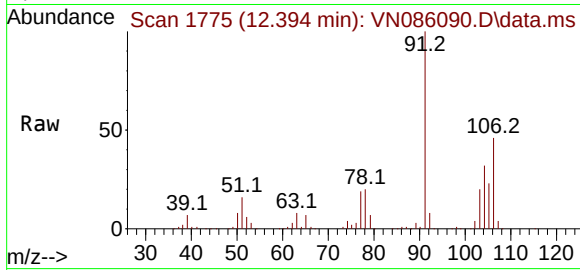
91 212.9 109.1 327.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#70

Styrene

Concen: 57.555 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

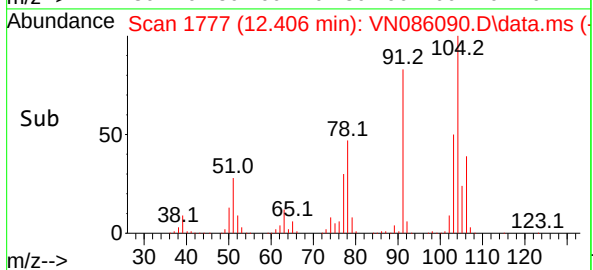
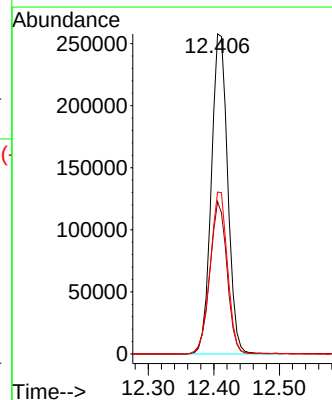
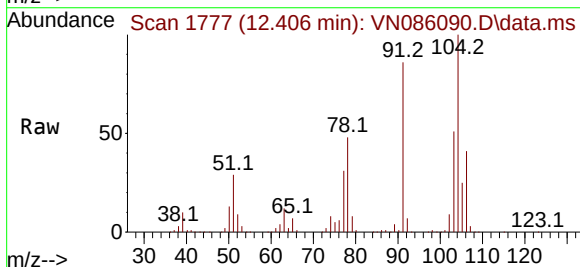
Tgt Ion:104 Resp: 449282

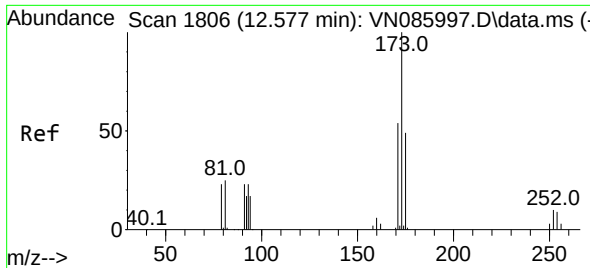
Ion Ratio Lower Upper

104 100

78 49.4 41.4 62.2

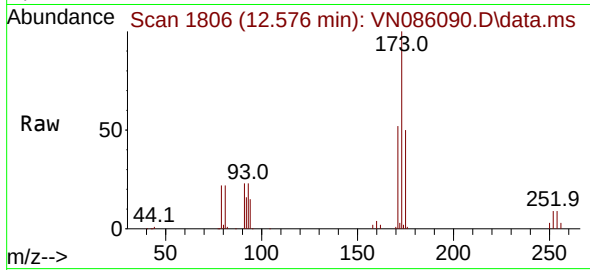
103 53.5 42.9 64.3





#71
Bromoform
Concen: 49.161 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

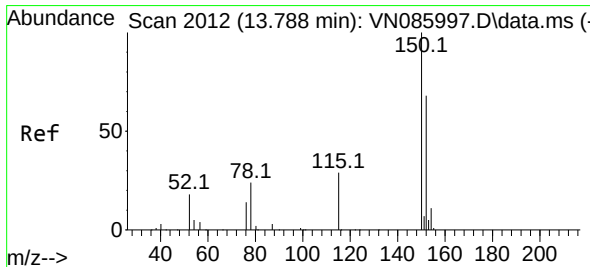
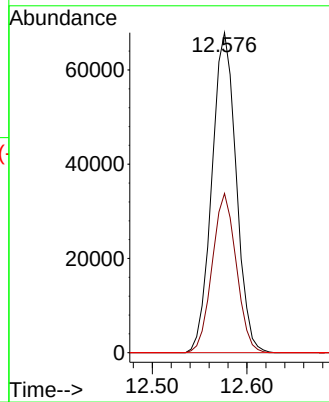
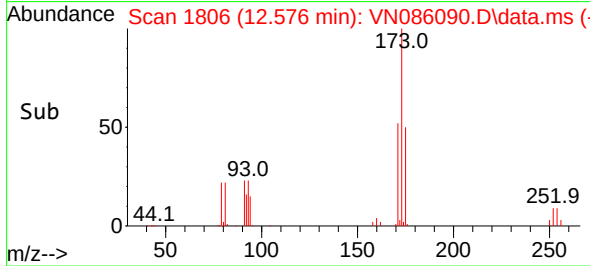
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



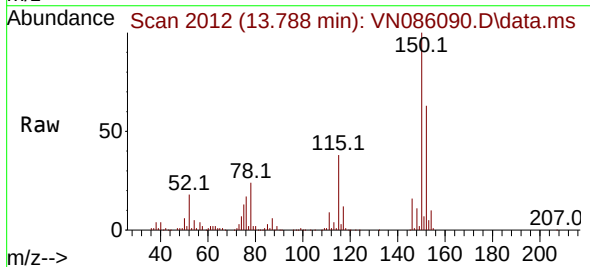
Tgt Ion:173 Resp: 120999
Ion Ratio Lower Upper
173 100
175 49.4 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
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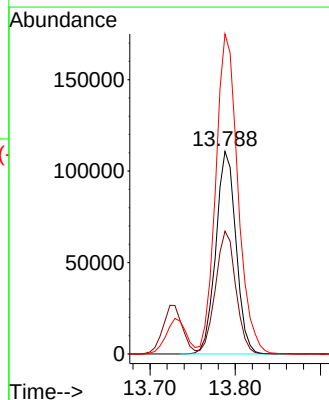
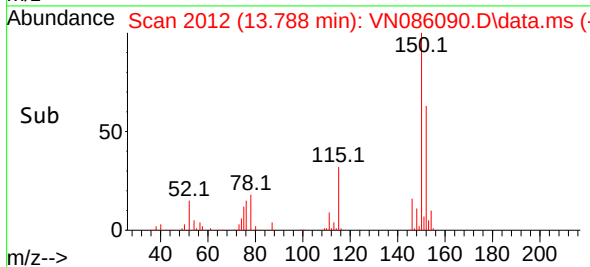
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

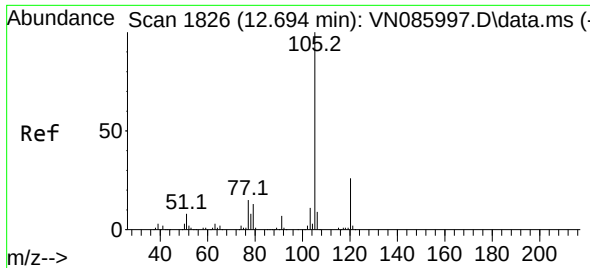


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27



Tgt Ion:152 Resp: 181838
Ion Ratio Lower Upper
152 100
115 61.5 31.1 93.2
150 174.6 0.0 359.6





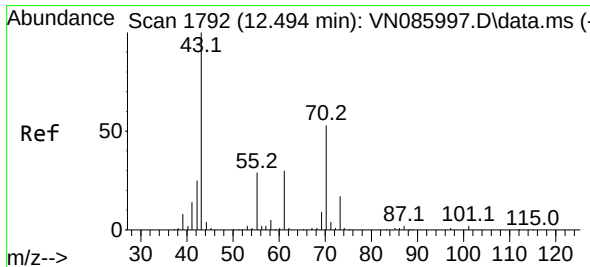
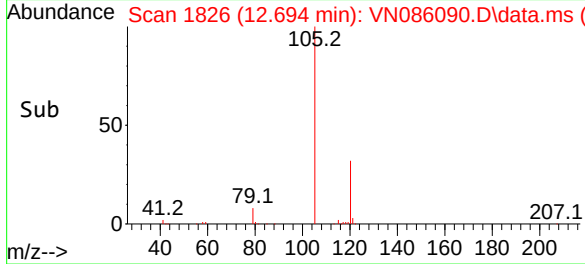
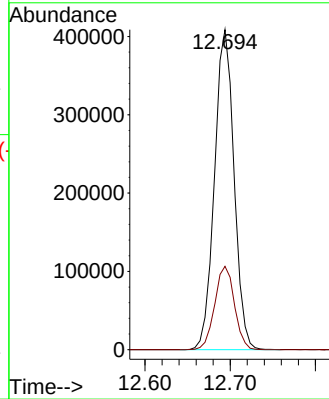
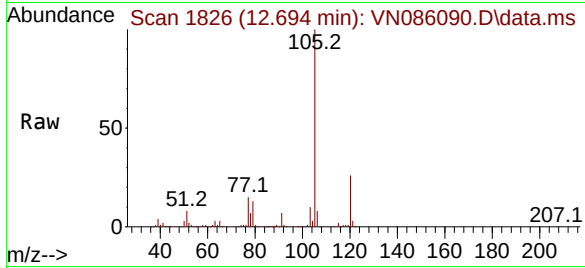
#73
Isopropylbenzene
Concen: 52.382 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 105 Resp: 65044
Ion Ratio Lower Upper
105 100
120 26.3 13.0 39.0

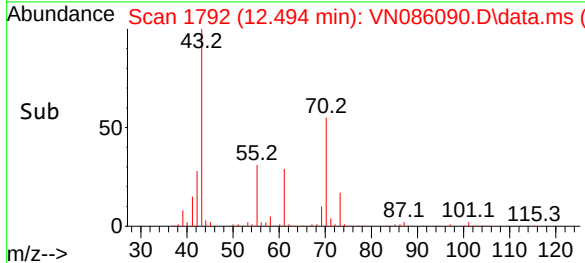
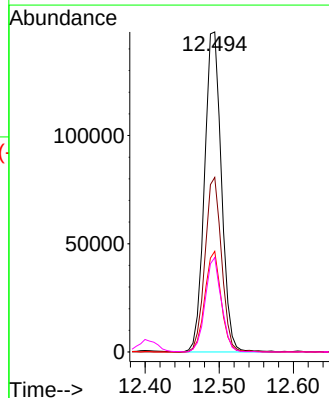
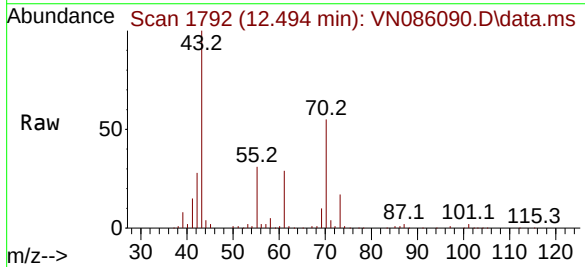
Manual Integrations
APPROVED

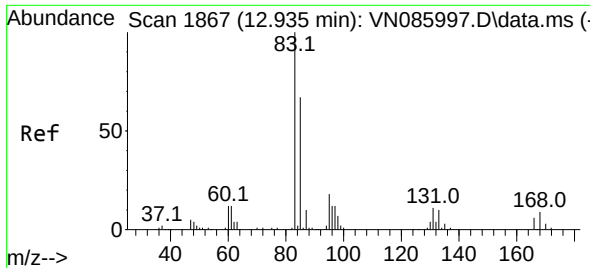
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#74
N-ethyl acetate
Concen: 56.602 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

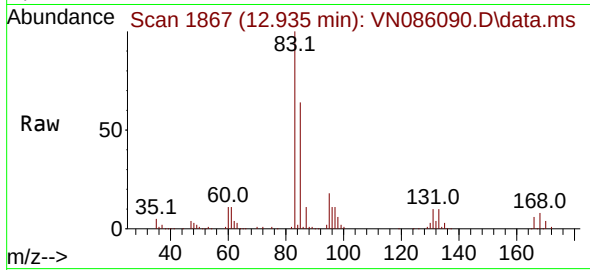
Tgt Ion: 43 Resp: 235151
Ion Ratio Lower Upper
43 100
70 53.2 43.0 64.4
55 30.3 23.8 35.8
61 28.1 23.4 35.0





#75
1,1,2,2-Tetrachloroethane
Concen: 48.828 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

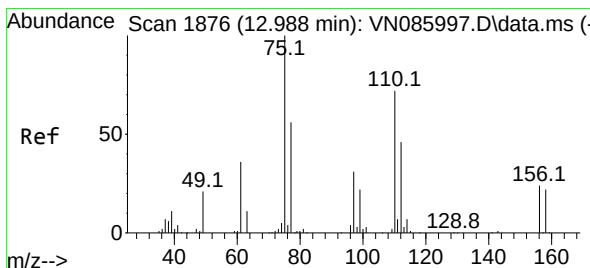
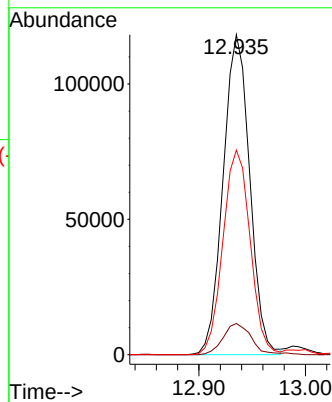
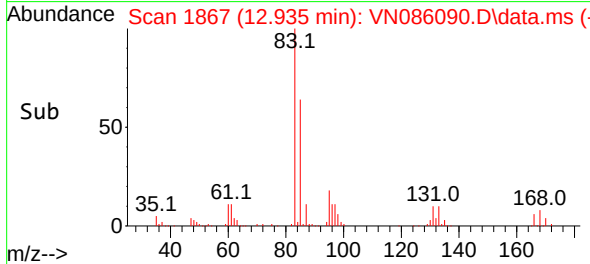
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 83 Resp: 20512
Ion Ratio Lower Upper
83 100
131 10.4 5.5 16.5
85 65.4 32.6 97.8

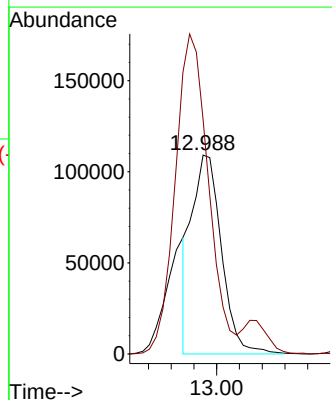
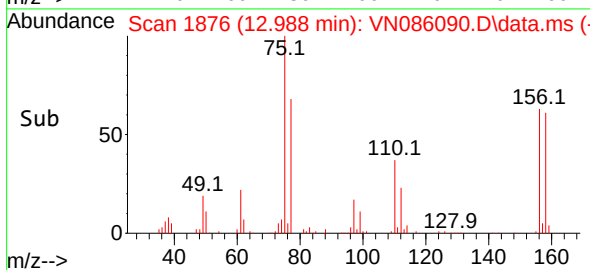
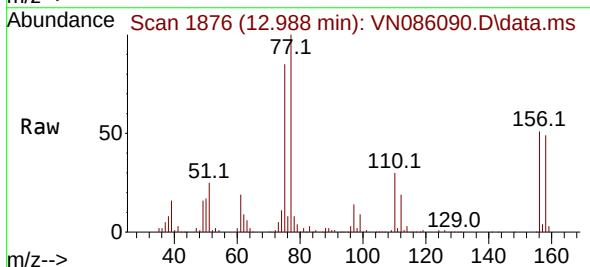
Manual Integrations
APPROVED

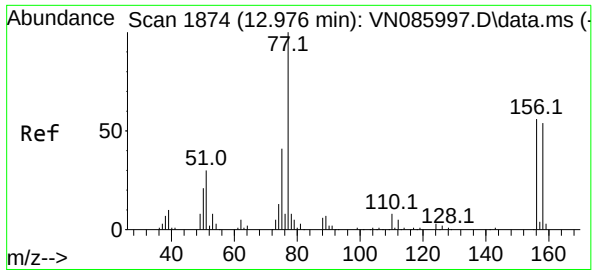
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#76
1,2,3-Trichloropropane
Concen: 48.579 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

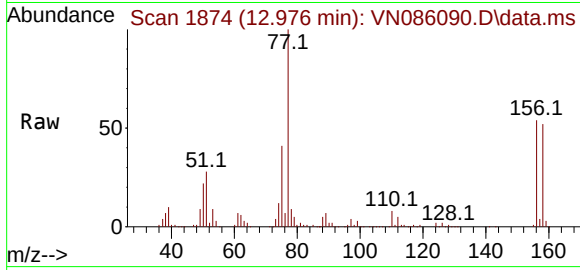
Tgt Ion: 75 Resp: 197766
Ion Ratio Lower Upper
75 100
77 179.6 83.7 251.0





#77
Bromobenzene
Concen: 48.584 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

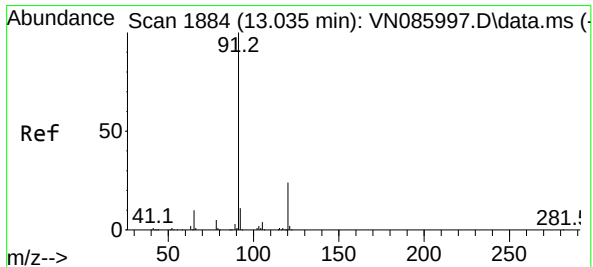
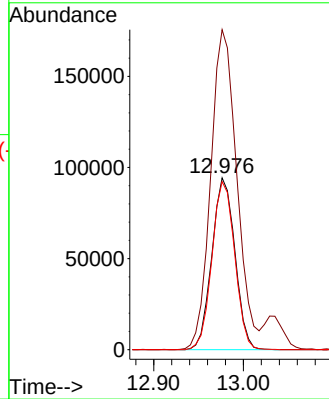
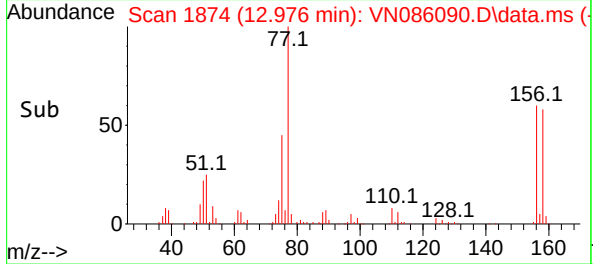
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:156 Resp: 168220
Ion Ratio Lower Upper
156 100
77 211.1 104.1 312.3
158 96.6 49.0 147.0

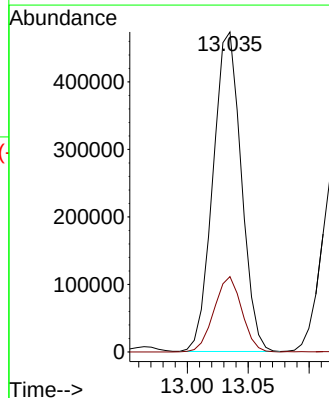
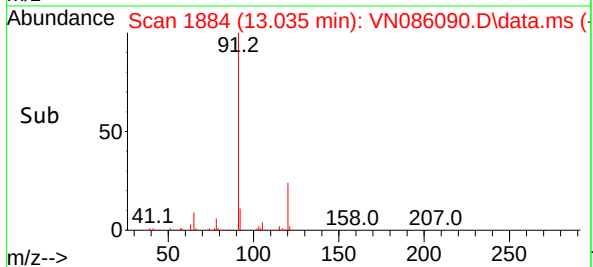
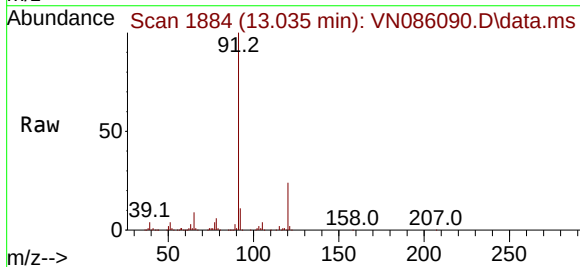
Manual Integrations
APPROVED

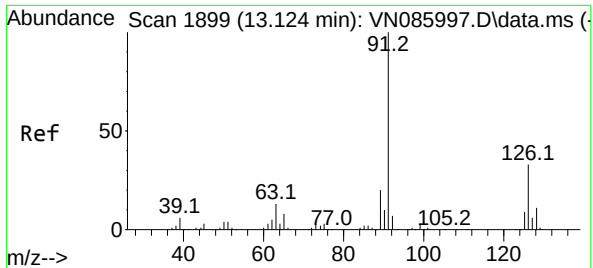
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#78
n-propylbenzene
Concen: 54.458 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Tgt Ion: 91 Resp: 765735
Ion Ratio Lower Upper
91 100
120 23.1 11.7 35.0





#79

2-Chlorotoluene

Concen: 52.155 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 487099

Ion Ratio Lower Upper

91 100

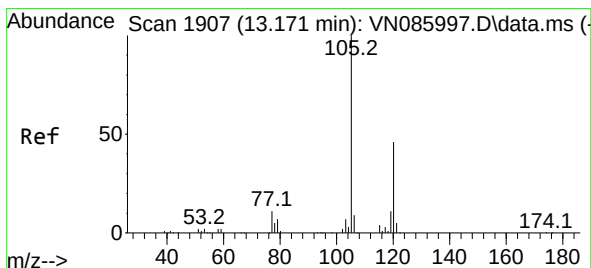
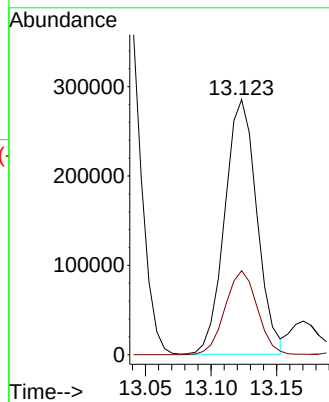
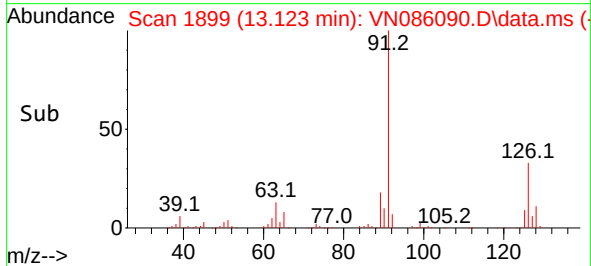
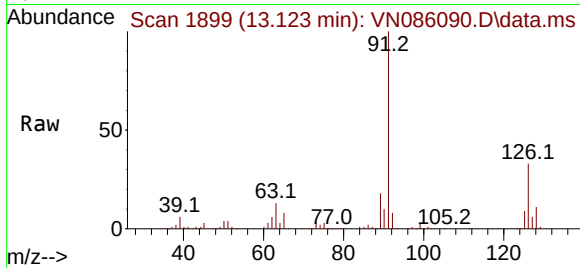
126 33.0 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#80

1,3,5-Trimethylbenzene

Concen: 54.245 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086090.D

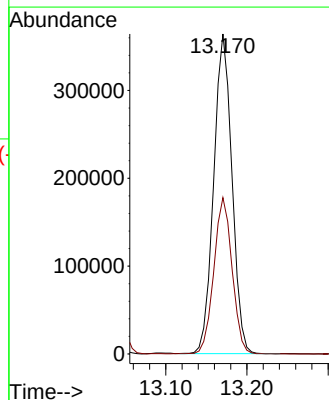
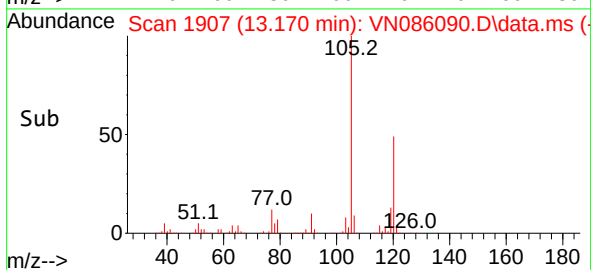
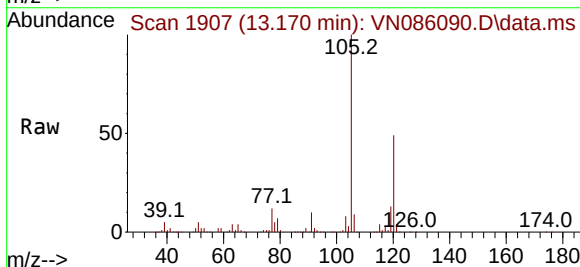
Acq: 25 Mar 2025 10:27

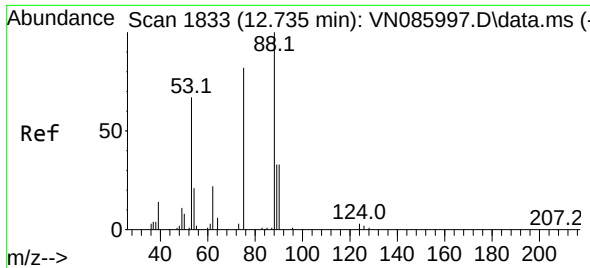
Tgt Ion:105 Resp: 568702

Ion Ratio Lower Upper

105 100

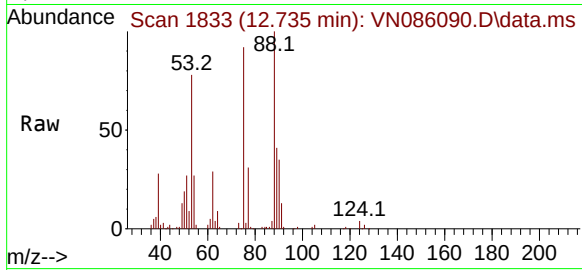
120 48.8 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 50.200 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

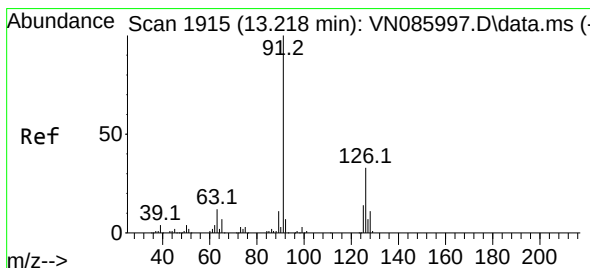
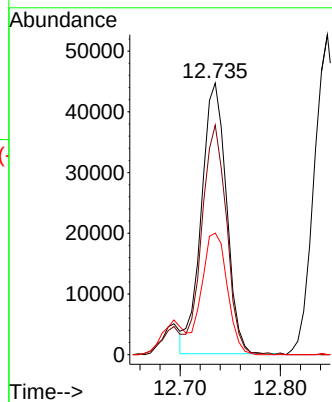
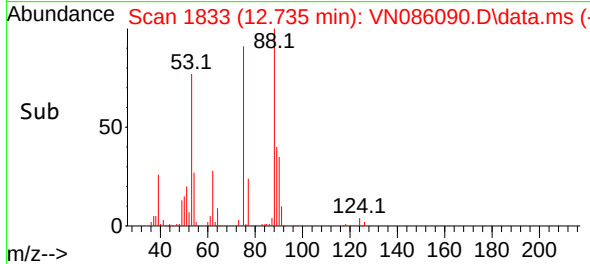
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 77298
Ion Ratio Lower Upper
75 100
53 83.2 66.0 99.0
89 46.3 36.9 55.3

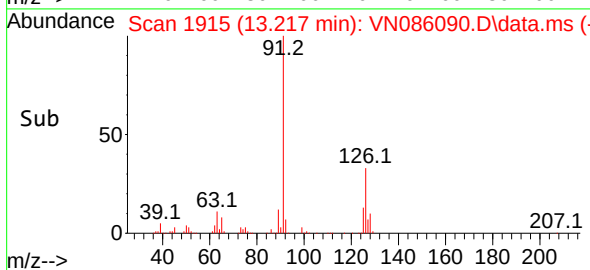
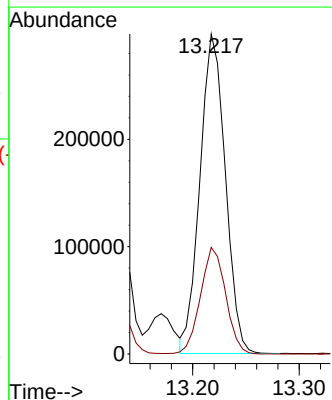
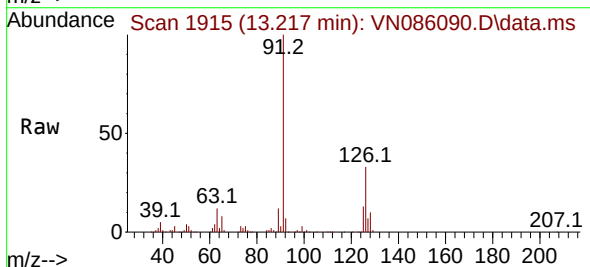
Manual Integrations
APPROVED

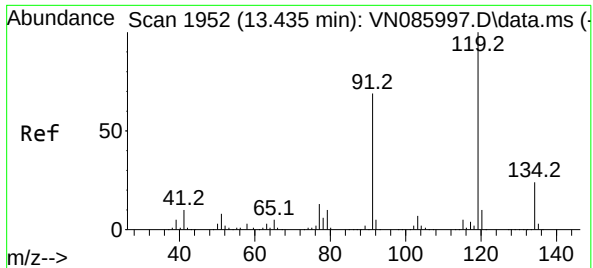
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#82
4-Chlorotoluene
Concen: 51.460 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

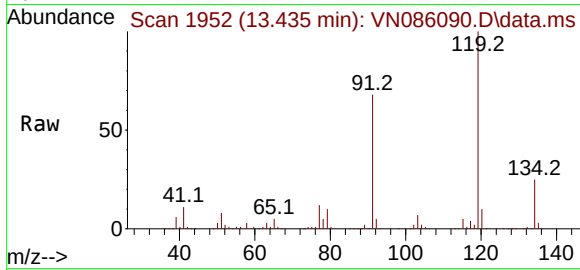
Tgt Ion: 91 Resp: 494232
Ion Ratio Lower Upper
91 100
126 33.1 16.1 48.2





#83
tert-Butylbenzene
Concen: 50.703 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

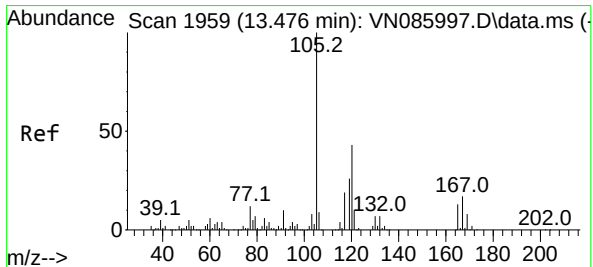
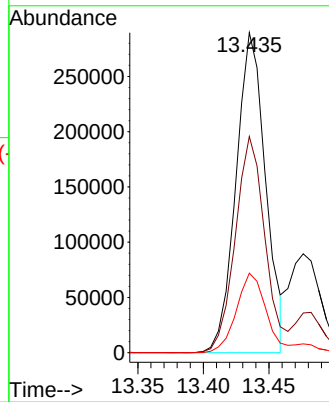
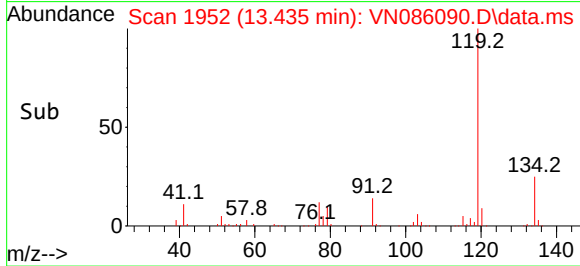
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



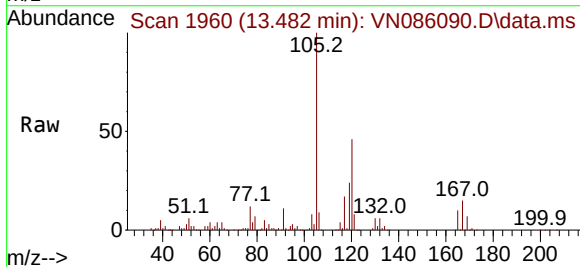
Tgt Ion:119 Resp: 454624
Ion Ratio Lower Upper
119 100
91 68.1 34.3 102.9
134 27.1 13.5 40.5

Manual Integrations
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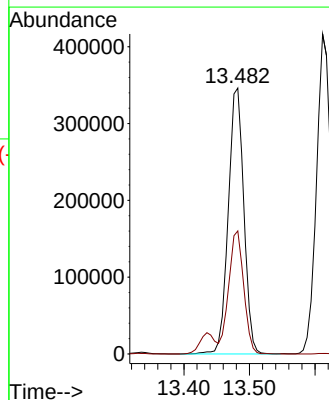
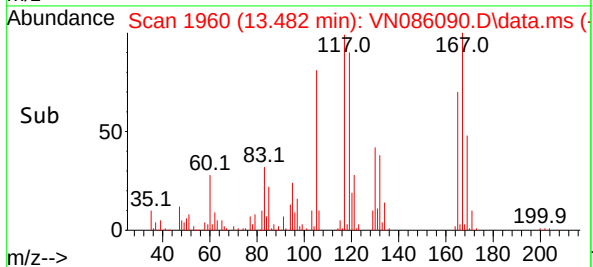
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

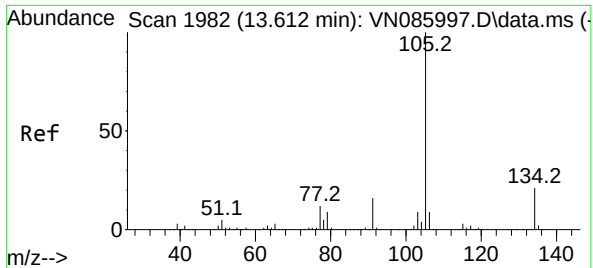


#84
1,2,4-Trimethylbenzene
Concen: 53.922 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27



Tgt Ion:105 Resp: 570180
Ion Ratio Lower Upper
105 100
120 44.8 21.9 65.8





#85

sec-Butylbenzene

Concen: 55.426 ug/l

RT: 13.611 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 64832

Ion Ratio Lower Upper

105 100

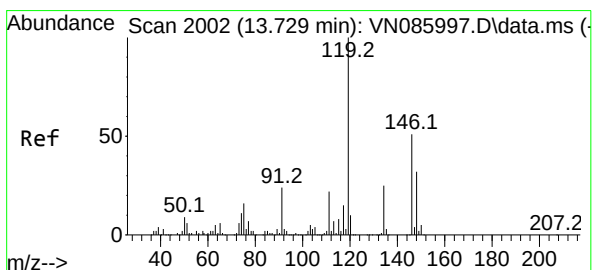
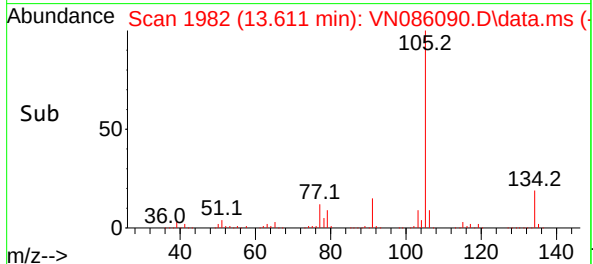
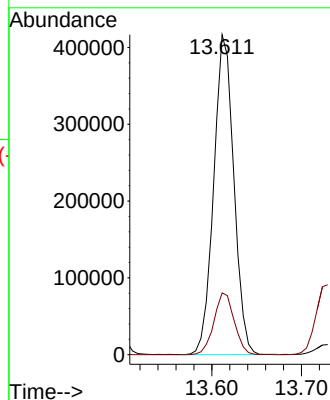
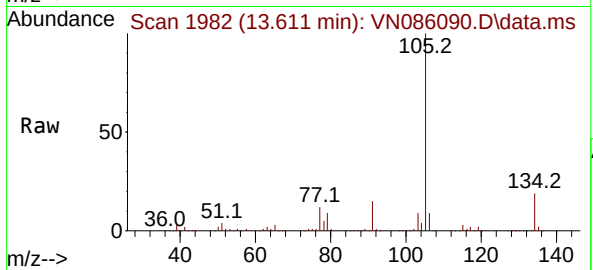
134 19.5 10.1 30.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#86

p-Isopropyltoluene

Concen: 55.360 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086090.D

Acq: 25 Mar 2025 10:27

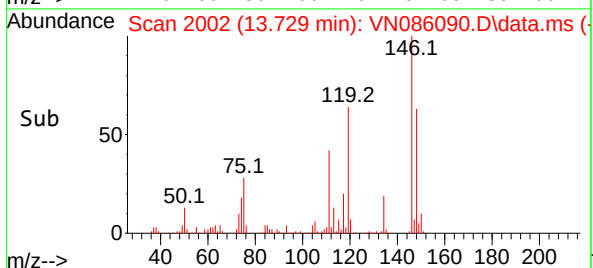
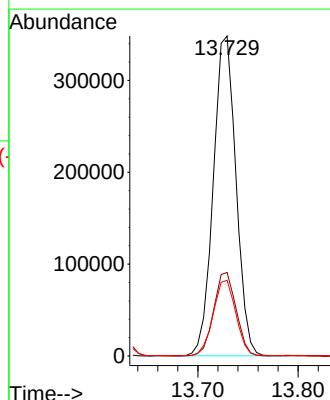
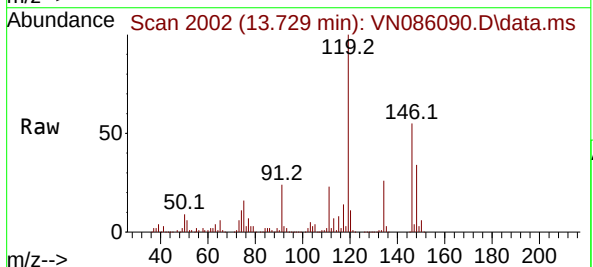
Tgt Ion:119 Resp: 548158

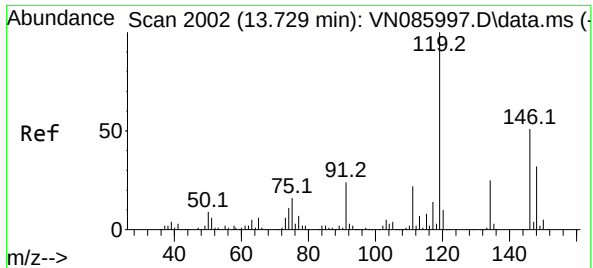
Ion Ratio Lower Upper

119 100

134 25.9 12.6 37.8

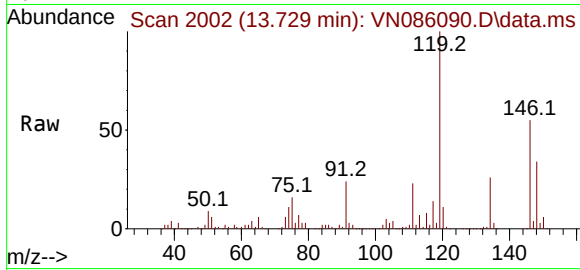
91 23.5 12.3 36.8





#87
1,3-Dichlorobenzene
Concen: 50.271 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

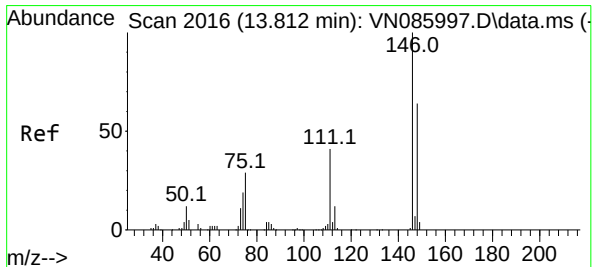
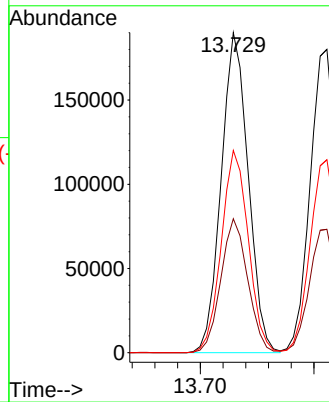
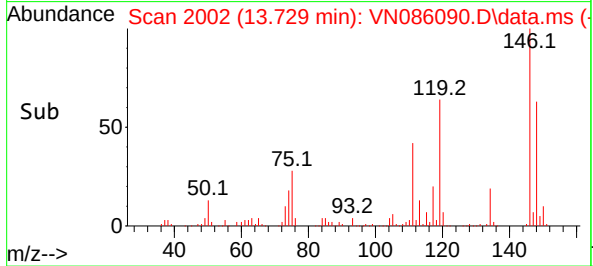
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



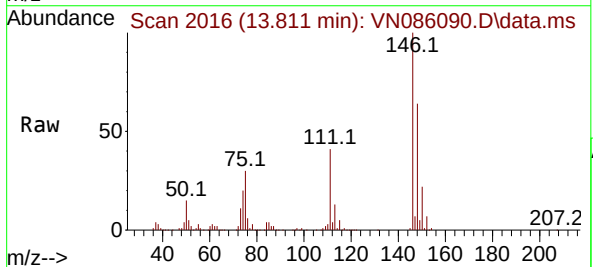
Tgt Ion:146 Resp: 313749
Ion Ratio Lower Upper
146 100
111 41.8 21.2 63.6
148 63.3 31.8 95.4

Manual Integrations
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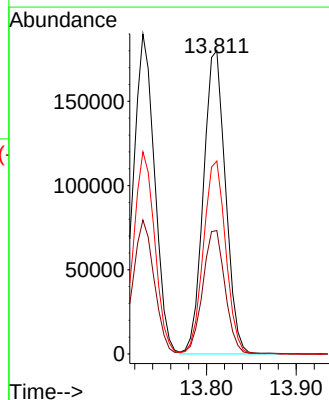
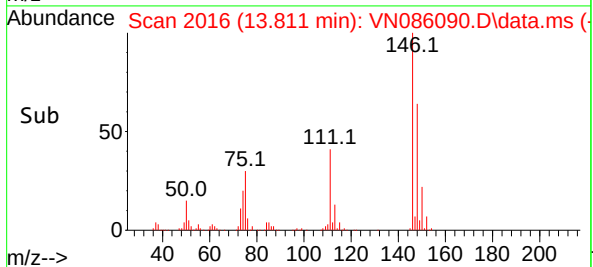
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

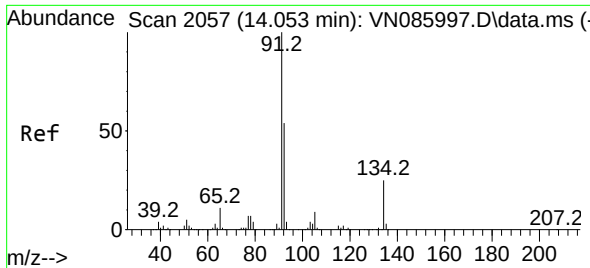


#88
1,4-Dichlorobenzene
Concen: 46.977 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27



Tgt Ion:146 Resp: 308043
Ion Ratio Lower Upper
146 100
111 40.9 20.4 61.3
148 64.3 32.1 96.5





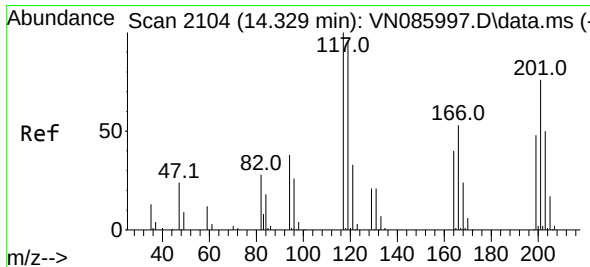
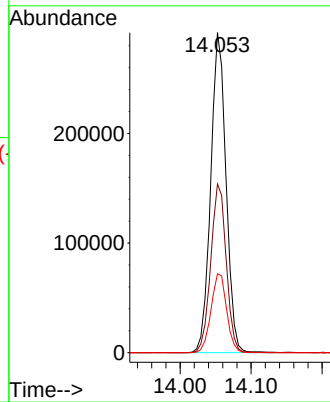
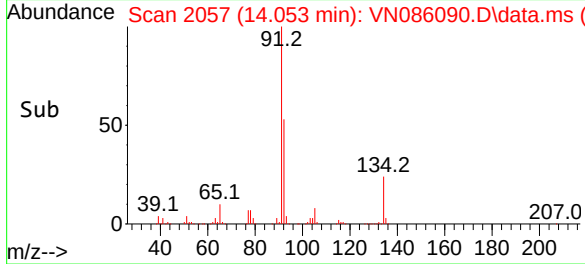
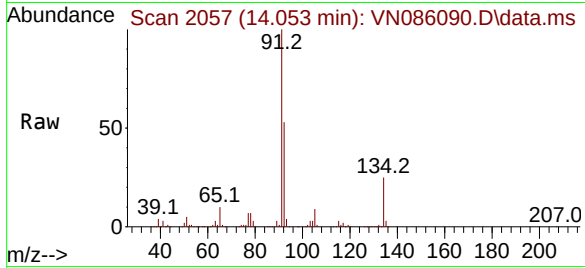
#89
n-Butylbenzene
Concen: 54.226 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 43724
Ion Ratio Lower Upper
91 100
92 53.3 26.9 80.6
134 25.2 13.0 39.0

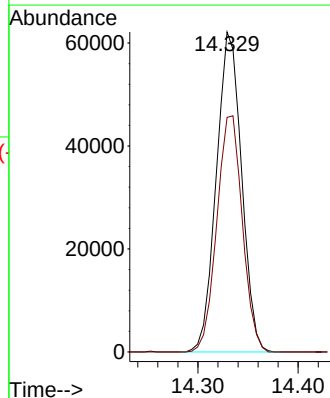
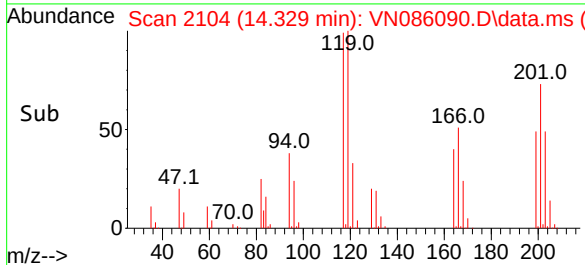
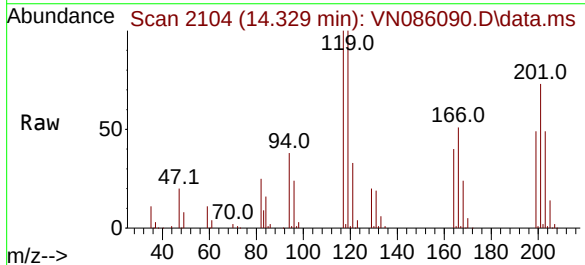
Manual Integrations
APPROVED

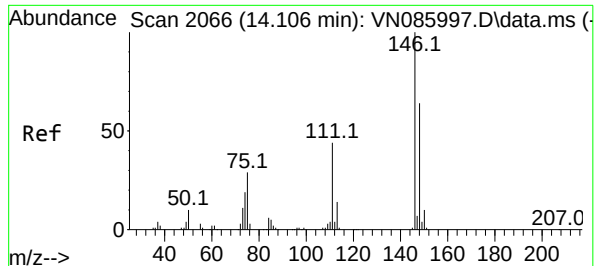
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#90
Hexachloroethane
Concen: 47.576 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

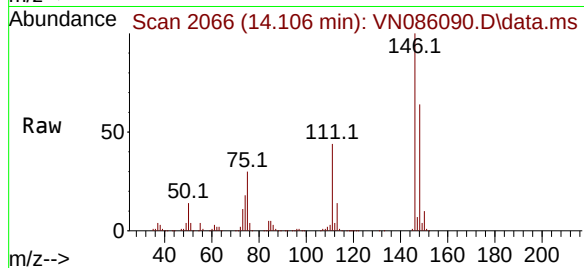
Tgt Ion:117 Resp: 108700
Ion Ratio Lower Upper
117 100
201 74.6 39.1 117.3





#91
1,2-Dichlorobenzene
Concen: 48.346 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

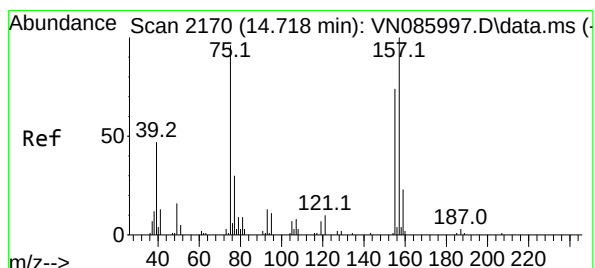
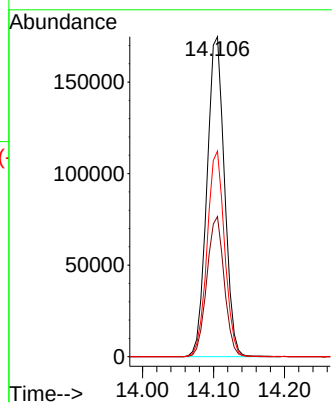
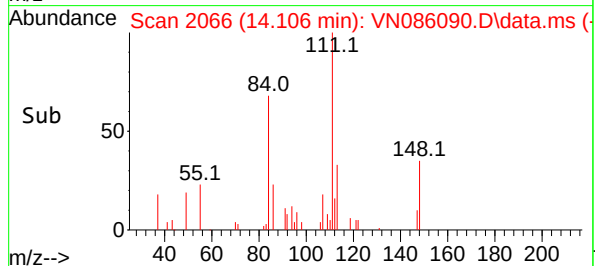
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 29995
Ion Ratio Lower Upper
146 100
111 43.5 22.3 66.8
148 64.1 32.1 96.5

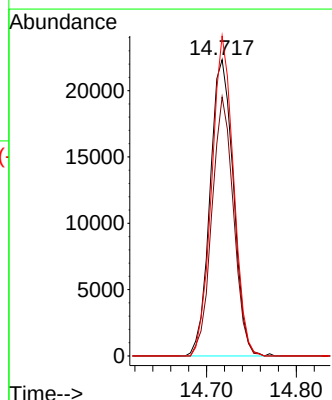
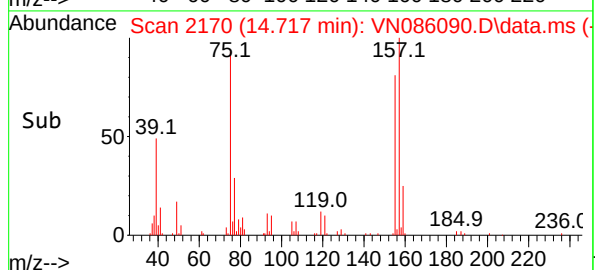
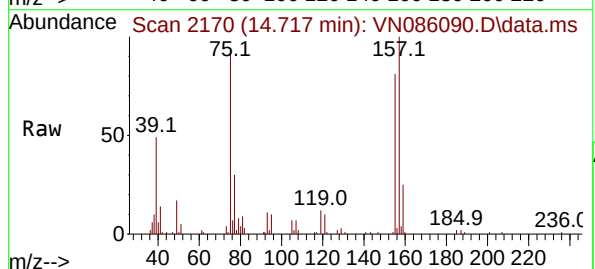
Manual Integrations
APPROVED

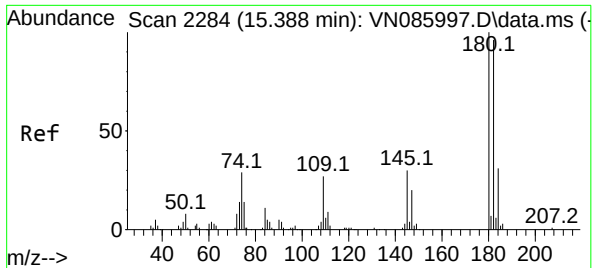
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.111 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

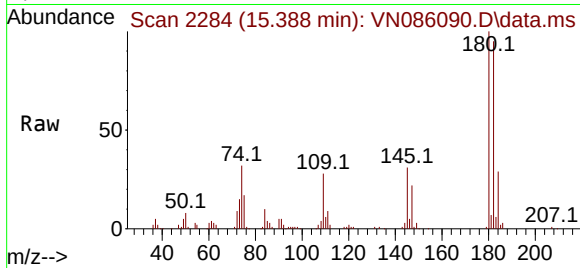
Tgt Ion: 75 Resp: 40345
Ion Ratio Lower Upper
75 100
155 81.0 41.0 123.0
157 101.1 53.7 161.1





#93
1,2,4-Trichlorobenzene
Concen: 45.575 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

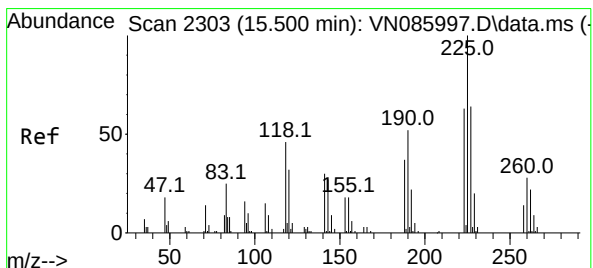
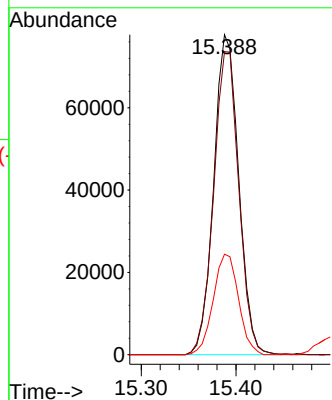
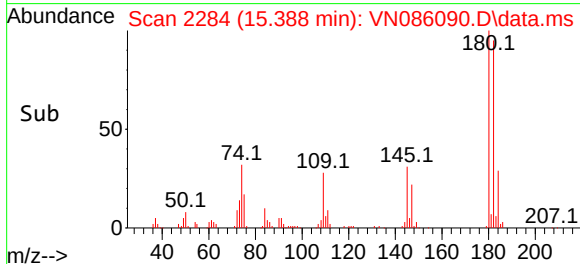
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



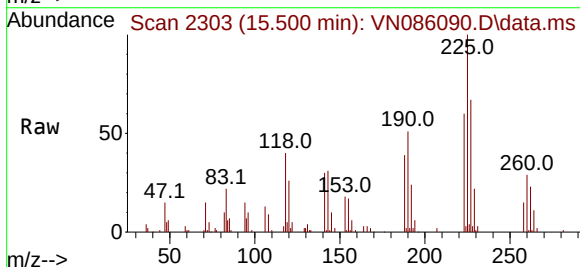
Tgt Ion:180 Resp: 142178
Ion Ratio Lower Upper
180 100
182 95.9 47.0 141.0
145 31.9 15.5 46.5

Manual Integrations
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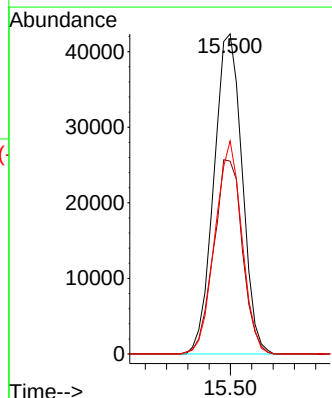
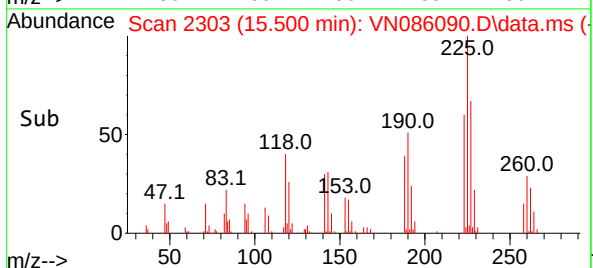
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

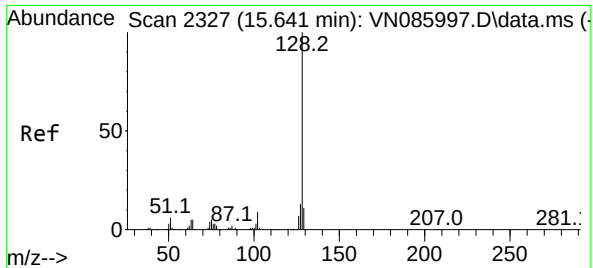


#94
Hexachlorobutadiene
Concen: 43.038 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27



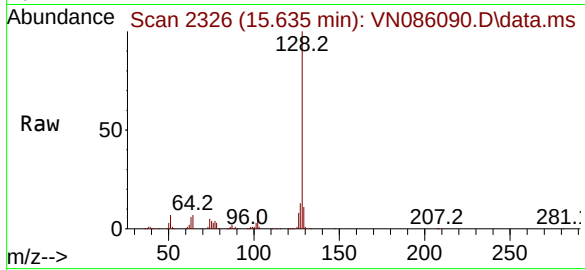
Tgt Ion:225 Resp: 77894
Ion Ratio Lower Upper
225 100
223 61.8 31.3 93.9
227 63.4 32.1 96.3





#95
Naphthalene
Concen: 47.898 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

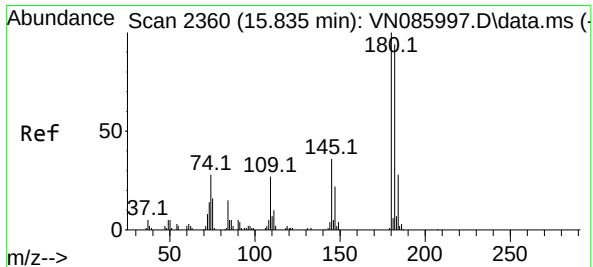
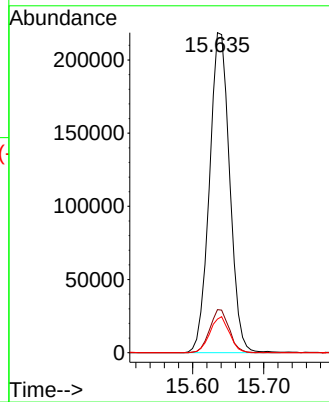
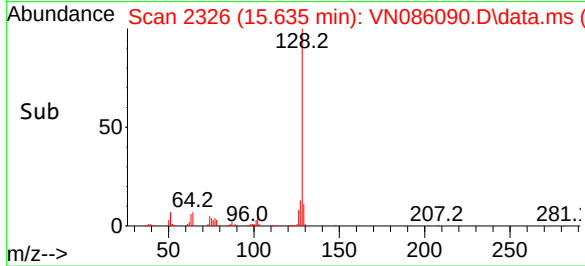
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050



Tgt Ion:128 Resp: 43268
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.8 9.0 13.6

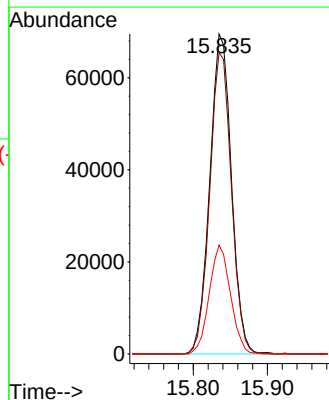
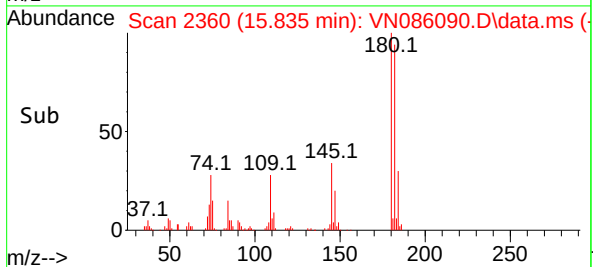
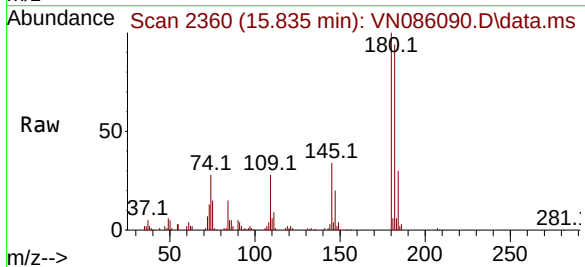
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.640 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086090.D
Acq: 25 Mar 2025 10:27

Tgt Ion:180 Resp: 141022
Ion Ratio Lower Upper
180 100
182 94.2 47.5 142.5
145 33.4 17.7 53.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086090.D
 Acq On : 25 Mar 2025 10:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 26 03:12:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	121	0.00
2 T	Dichlorodifluoromethane	0.662	0.624	5.7	117	0.00
3 P	Chloromethane	0.581	0.643	-10.7	140	0.00
4 C	Vinyl Chloride	0.594	0.677	-14.0#	138	0.00
5 T	Bromomethane	0.404	0.405	-0.2	129	0.00
6 T	Chloroethane	0.375	0.410	-9.3	150#	0.00
7 T	Trichlorofluoromethane	1.067	1.019	4.5	126	0.00
8 T	Diethyl Ether	0.327	0.359	-9.8	134	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.567	0.596	-5.1	140	0.00
10 T	Methyl Iodide	0.739	0.788	-6.6	131	0.00
11 T	Tert butyl alcohol	0.097	0.095	2.1	122	0.00
12 CM	1,1-Dichloroethene	0.512	0.557	-8.8#	131	0.00
13 T	Acrolein	0.103	0.154	-49.5#	187#	0.00
14 T	Allyl chloride	0.639	0.685	-7.2	135	0.00
15 T	Acrylonitrile	0.256	0.302	-18.0	148	0.00
16 T	Acetone	0.209	0.219	-4.8	137	0.00
17 T	Carbon Disulfide	1.685	1.580	6.2	127	0.00
18 T	Methyl Acetate	0.518	0.646	-24.7	167#	0.00
19 T	Methyl tert-butyl Ether	1.679	1.827	-8.8	131	0.00
20 T	Methylene Chloride	0.612	0.644	-5.2	138	0.00
21 T	trans-1,2-Dichloroethene	0.560	0.593	-5.9	134	0.00
22 T	Diisopropyl ether	1.362	1.653	-21.4	145	0.00
23 T	Vinyl Acetate	1.032	1.214	-17.6	138	0.00
24 P	1,1-Dichloroethane	1.001	1.086	-8.5	139	0.00
25 T	2-Butanone	0.302	0.344	-13.9	143	0.00
26 T	2,2-Dichloropropane	0.964	0.978	-1.5	128	0.00
27 T	cis-1,2-Dichloroethene	0.636	0.695	-9.3	133	0.00
28 T	Bromochloromethane	0.424	0.474	-11.8	147	0.00
29 T	Tetrahydrofuran	0.186	0.236	-26.9#	147	0.00
30 C	Chloroform	1.107	1.133	-2.3#	135	0.00
31 T	Cyclohexane	0.853	0.891	-4.5	135	0.00
32 T	1,1,1-Trichloroethane	1.048	1.031	1.6	127	0.00
33 S	1,2-Dichloroethane-d4	0.685	0.681	0.6	124	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	124	0.00
35 S	Dibromofluoromethane	0.349	0.358	-2.6	133	0.00
36 T	1,1-Dichloropropene	0.460	0.492	-7.0	134	0.00
37 T	Ethyl Acetate	0.388	0.428	-10.3	144	0.00
38 T	Carbon Tetrachloride	0.604	0.587	2.8	126	0.00
39 T	Methylcyclohexane	0.456	0.494	-8.3	129	0.00
40 TM	Benzene	1.443	1.540	-6.7	137	0.00
41 T	Methacrylonitrile	0.185	0.219	-18.4	141	0.00
42 TM	1,2-Dichloroethane	0.503	0.478	5.0	125	0.00
43 T	Isopropyl Acetate	0.840	0.708	15.7	128	0.00
44 TM	Trichloroethene	0.374	0.361	3.5	129	0.00
45 C	1,2-Dichloropropane	0.328	0.379	-15.5#	146	0.00
46 T	Dibromomethane	0.258	0.271	-5.0	138	0.00
47 T	Bromodichloromethane	0.539	0.559	-3.7	134	0.00
48 T	Methyl methacrylate	0.277	0.324	-17.0	139	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086090.D
 Acq On : 25 Mar 2025 10:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 26 03:12:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.007	0.008	-14.3	137	0.00
50 S	Toluene-d8	1.267	1.350	-6.6	132	0.00
51 T	4-Methyl-2-Pentanone	0.371	0.454	-22.4	146	0.00
52 CM	Toluene	0.885	0.984	-11.2#	133	0.00
53 T	t-1,3-Dichloropropene	0.524	0.566	-8.0	130	0.00
54 T	cis-1,3-Dichloropropene	0.553	0.604	-9.2	132	0.00
55 T	1,1,2-Trichloroethane	0.338	0.366	-8.3	139	0.00
56 T	Ethyl methacrylate	0.463	0.574	-24.0	135	0.00
57 T	1,3-Dichloropropane	0.574	0.639	-11.3	140	0.00
58 T	2-Chloroethyl Vinyl ether	0.183	0.247	-35.0#	144	0.00
59 T	2-Hexanone	0.270	0.336	-24.4	146	0.00
60 T	Dibromochloromethane	0.436	0.452	-3.7	130	0.00
61 T	1,2-Dibromoethane	0.347	0.368	-6.1	130	0.00
62 S	4-Bromofluorobenzene	0.452	0.492	-8.8	131	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	127	0.00
64 T	Tetrachloroethene	0.399	0.387	3.0	132	0.00
65 PM	Chlorobenzene	1.144	1.148	-0.3	134	0.00
66 T	1,1,1,2-Tetrachloroethane	0.425	0.423	0.5	132	0.00
67 C	Ethyl Benzene	1.830	1.985	-8.5#	131	0.00
68 T	m/p-Xylenes	0.719	0.794	-10.4	133	0.00
69 T	o-Xylene	0.660	0.749	-13.5	133	0.00
70 T	Styrene	1.128	1.298	-15.1	135	0.00
71 P	Bromoform	0.356	0.350	1.7	128	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	132	0.00
73 T	Isopropylbenzene	3.414	3.577	-4.8	131	0.00
74 T	N-amyl acetate	1.142	1.293	-13.2	140	0.00
75 P	1,1,2,2-Tetrachloroethane	1.155	1.128	2.3	141	0.00
76 T	1,2,3-Trichloropropane	1.119	1.088	2.8	124	0.00
77 T	Bromobenzene	0.952	0.925	2.8	134	0.00
78 T	n-propylbenzene	3.866	4.211	-8.9	133	0.00
79 T	2-Chlorotoluene	2.568	2.679	-4.3	135	0.00
80 T	1,3,5-Trimethylbenzene	2.883	3.128	-8.5	132	0.00
81 T	trans-1,4-Dichloro-2-butene	0.423	0.425	-0.5	135	0.00
82 T	4-Chlorotoluene	2.641	2.718	-2.9	133	0.00
83 T	tert-Butylbenzene	2.466	2.500	-1.4	129	0.00
84 T	1,2,4-Trimethylbenzene	2.908	3.136	-7.8	132	0.00
85 T	sec-Butylbenzene	3.216	3.565	-10.9	134	0.00
86 T	p-Isopropyltoluene	2.723	3.015	-10.7	131	0.00
87 T	1,3-Dichlorobenzene	1.716	1.725	-0.5	135	0.00
88 T	1,4-Dichlorobenzene	1.803	1.694	6.0	134	0.00
89 T	n-Butylbenzene	2.217	2.405	-8.5	131	0.00
90 T	Hexachloroethane	0.628	0.598	4.8	135	0.00
91 T	1,2-Dichlorobenzene	1.706	1.650	3.3	136	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.231	0.222	3.9	132	0.00
93 T	1,2,4-Trichlorobenzene	0.858	0.782	8.9	121	0.00
94 T	Hexachlorobutadiene	0.498	0.428	14.1	128	0.00
95 T	Naphthalene	2.484	2.379	4.2	120	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086090.D
Acq On : 25 Mar 2025 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 03:12:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.814	0.776	4.7	123	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086090.D
 Acq On : 25 Mar 2025 10:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 26 03:12:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	121	0.00
2 T	Dichlorodifluoromethane	50.000	47.094	5.8	117	0.00
3 P	Chloromethane	50.000	55.324	-10.6	140	0.00
4 C	Vinyl Chloride	50.000	56.997	-14.0#	138	0.00
5 T	Bromomethane	50.000	50.015	-0.0	129	0.00
6 T	Chloroethane	50.000	54.706	-9.4	150	0.00
7 T	Trichlorofluoromethane	50.000	47.738	4.5	126	0.00
8 T	Diethyl Ether	50.000	54.858	-9.7	134	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.552	-5.1	140	0.00
10 T	Methyl Iodide	50.000	53.314	-6.6	131	0.00
11 T	Tert butyl alcohol	250.000	245.212	1.9	122	0.00
12 CM	1,1-Dichloroethene	50.000	54.374	-8.7#	131	0.00
13 T	Acrolein	250.000	371.677	-48.7#	187	0.00
14 T	Allyl chloride	50.000	53.625	-7.2	135	0.00
15 T	Acrylonitrile	250.000	294.919	-18.0	148	0.00
16 T	Acetone	250.000	262.295	-4.9	137	0.00
17 T	Carbon Disulfide	50.000	46.887	6.2	127	0.00
18 T	Methyl Acetate	50.000	62.390	-24.8	167	0.00
19 T	Methyl tert-butyl Ether	50.000	54.424	-8.8	131	0.00
20 T	Methylene Chloride	50.000	52.607	-5.2	138	0.00
21 T	trans-1,2-Dichloroethene	50.000	52.941	-5.9	134	0.00
22 T	Diisopropyl ether	50.000	60.675	-21.3	145	0.00
23 T	Vinyl Acetate	250.000	293.979	-17.6	138	0.00
24 P	1,1-Dichloroethane	50.000	54.227	-8.5	139	0.00
25 T	2-Butanone	250.000	285.048	-14.0	143	0.00
26 T	2,2-Dichloropropane	50.000	50.705	-1.4	128	0.00
27 T	cis-1,2-Dichloroethene	50.000	54.602	-9.2	133	0.00
28 T	Bromochloromethane	50.000	55.857	-11.7	147	0.00
29 T	Tetrahydrofuran	250.000	316.370	-26.5#	147	0.00
30 C	Chloroform	50.000	51.169	-2.3#	135	0.00
31 T	Cyclohexane	50.000	52.225	-4.5	135	0.00
32 T	1,1,1-Trichloroethane	50.000	49.193	1.6	127	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.704	0.6	124	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	124	0.00
35 S	Dibromofluoromethane	50.000	51.298	-2.6	133	0.00
36 T	1,1-Dichloropropene	50.000	53.539	-7.1	134	0.00
37 T	Ethyl Acetate	50.000	55.218	-10.4	144	0.00
38 T	Carbon Tetrachloride	50.000	48.589	2.8	126	0.00
39 T	Methylcyclohexane	50.000	54.188	-8.4	129	0.00
40 TM	Benzene	50.000	53.365	-6.7	137	0.00
41 T	Methacrylonitrile	50.000	59.153	-18.3	141	0.00
42 TM	1,2-Dichloroethane	50.000	47.557	4.9	125	0.00
43 T	Isopropyl Acetate	50.000	42.158	15.7	128	0.00
44 TM	Trichloroethene	50.000	48.329	3.3	129	0.00
45 C	1,2-Dichloropropane	50.000	57.679	-15.4#	146	0.00
46 T	Dibromomethane	50.000	52.433	-4.9	138	0.00
47 T	Bromodichloromethane	50.000	51.821	-3.6	134	0.00
48 T	Methyl methacrylate	50.000	58.367	-16.7	139	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086090.D
 Acq On : 25 Mar 2025 10:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 26 03:12:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1157.939	-15.8	137	0.00
50 S	Toluene-d8	50.000	53.276	-6.6	132	0.00
51 T	4-Methyl-2-Pentanone	250.000	306.218	-22.5	146	0.00
52 CM	Toluene	50.000	55.584	-11.2#	133	0.00
53 T	t-1,3-Dichloropropene	50.000	53.995	-8.0	130	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.634	-9.3	132	0.00
55 T	1,1,2-Trichloroethane	50.000	54.212	-8.4	139	0.00
56 T	Ethyl methacrylate	50.000	53.688	-7.4	135	0.00
57 T	1,3-Dichloropropane	50.000	55.686	-11.4	140	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	295.351	-18.1	144	0.00
59 T	2-Hexanone	250.000	311.121	-24.4	146	0.00
60 T	Dibromochloromethane	50.000	51.820	-3.6	130	0.00
61 T	1,2-Dibromoethane	50.000	53.039	-6.1	130	0.00
62 S	4-Bromofluorobenzene	50.000	54.434	-8.9	131	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	127	0.00
64 T	Tetrachloroethene	50.000	48.460	3.1	132	0.00
65 PM	Chlorobenzene	50.000	50.163	-0.3	134	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.783	0.4	132	0.00
67 C	Ethyl Benzene	50.000	54.241	-8.5#	131	0.00
68 T	m/p-Xylenes	100.000	110.388	-10.4	133	0.00
69 T	o-Xylene	50.000	56.737	-13.5	133	0.00
70 T	Styrene	50.000	57.555	-15.1	135	0.00
71 P	Bromoform	50.000	49.161	1.7	128	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	132	0.00
73 T	Isopropylbenzene	50.000	52.382	-4.8	131	0.00
74 T	N-amyl acetate	50.000	56.602	-13.2	140	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.828	2.3	141	0.00
76 T	1,2,3-Trichloropropane	50.000	48.579	2.8	124	0.00
77 T	Bromobenzene	50.000	48.584	2.8	134	0.00
78 T	n-propylbenzene	50.000	54.458	-8.9	133	0.00
79 T	2-Chlorotoluene	50.000	52.155	-4.3	135	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.245	-8.5	132	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.200	-0.4	135	0.00
82 T	4-Chlorotoluene	50.000	51.460	-2.9	133	0.00
83 T	tert-Butylbenzene	50.000	50.703	-1.4	129	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.922	-7.8	132	0.00
85 T	sec-Butylbenzene	50.000	55.426	-10.9	134	0.00
86 T	p-Isopropyltoluene	50.000	55.360	-10.7	131	0.00
87 T	1,3-Dichlorobenzene	50.000	50.271	-0.5	135	0.00
88 T	1,4-Dichlorobenzene	50.000	46.977	6.0	134	0.00
89 T	n-Butylbenzene	50.000	54.226	-8.5	131	0.00
90 T	Hexachloroethane	50.000	47.576	4.8	135	0.00
91 T	1,2-Dichlorobenzene	50.000	48.346	3.3	136	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.111	3.8	132	0.00
93 T	1,2,4-Trichlorobenzene	50.000	45.575	8.8	121	0.00
94 T	Hexachlorobutadiene	50.000	43.038	13.9	128	0.00
95 T	Naphthalene	50.000	47.898	4.2	120	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086090.D
Acq On : 25 Mar 2025 10:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 26 03:12:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.640	4.7	123	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



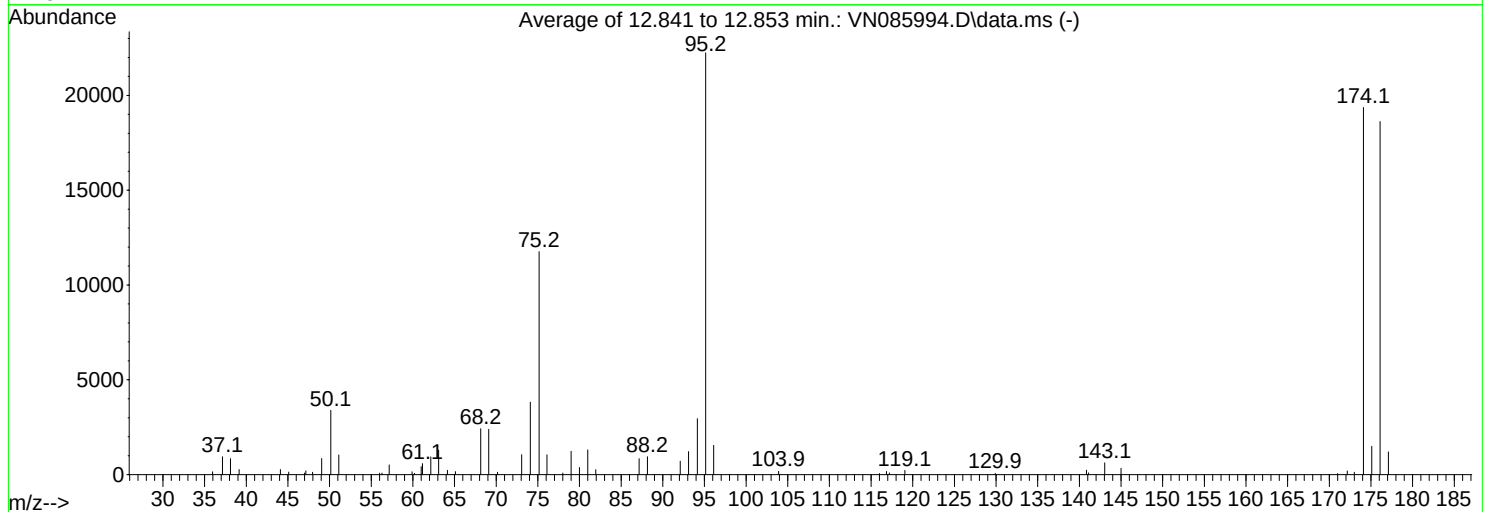
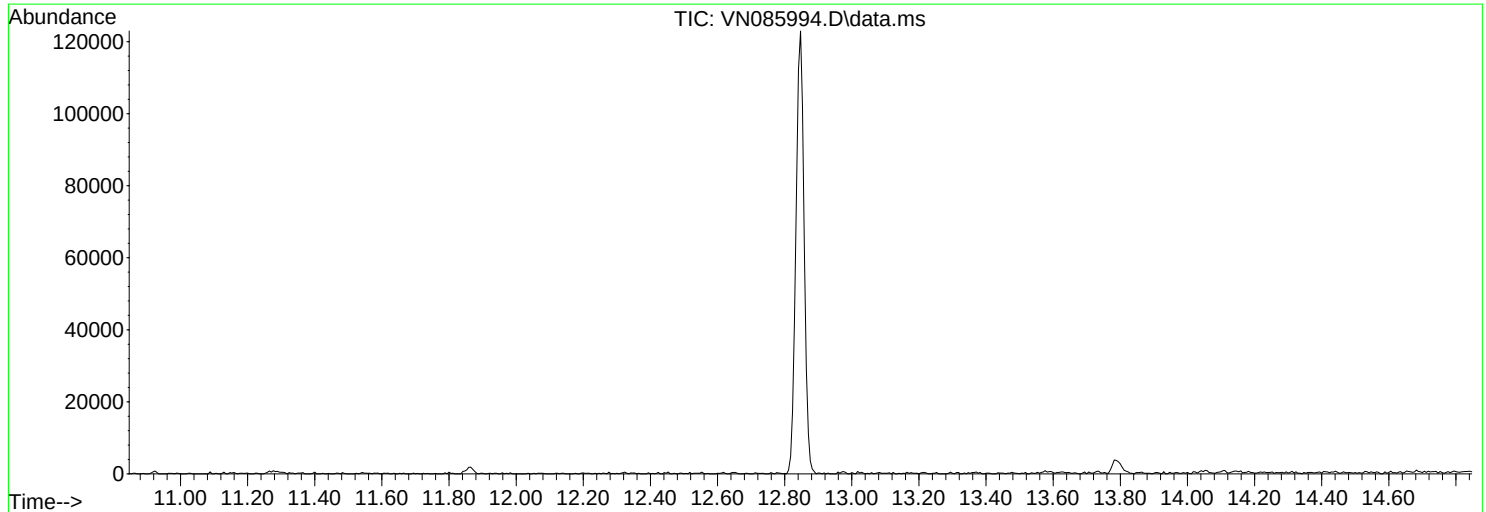
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085994.D
Acq On : 18 Mar 2025 08:52
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260
Last Update : Wed Mar 19 03:20:56 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.2	3392	PASS
75	95	30	60	52.9	11766	PASS
95	95	100	100	100.0	22245	PASS
96	95	5	9	6.9	1542	PASS
173	174	0.00	2	0.7	126	PASS
174	95	50	100	87.1	19365	PASS
175	174	5	9	7.7	1497	PASS
176	174	95	101	96.2	18624	PASS
177	176	5	9	6.4	1198	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	156	51.10	1035	65.10	157	81.00	131
37.15	946	56.00	73	68.15	2419	81.95	26
38.10	841	56.30	84	69.10	2389	87.15	84
39.15	274	57.15	518	70.15	126	88.15	94
44.10	272	59.90	150	73.05	1053	92.10	711
45.10	136	60.20	68	74.10	3825	93.10	1217
47.00	83	61.00	426	75.15	11766	94.15	2957
47.15	204	61.15	582	76.10	1047	95.15	22245
47.95	123	62.15	935	78.00	81	96.10	1542
49.05	855	63.10	1288	79.00	1234	103.90	175
50.15	3392	64.15	232	80.00	379	116.00	62

Average of 12.841 to 12.853 min.: VN085994.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
116.85	173	174.10	19365				
117.20	93	175.10	1497				
119.05	226	176.10	18624				
129.90	71	177.10	1198				
140.85	239						
141.10	92						
143.05	623						
145.00	335						
171.00	57						
172.15	198						
173.00	126						

Instrument :

MSVOA_N

ClientSampleId :

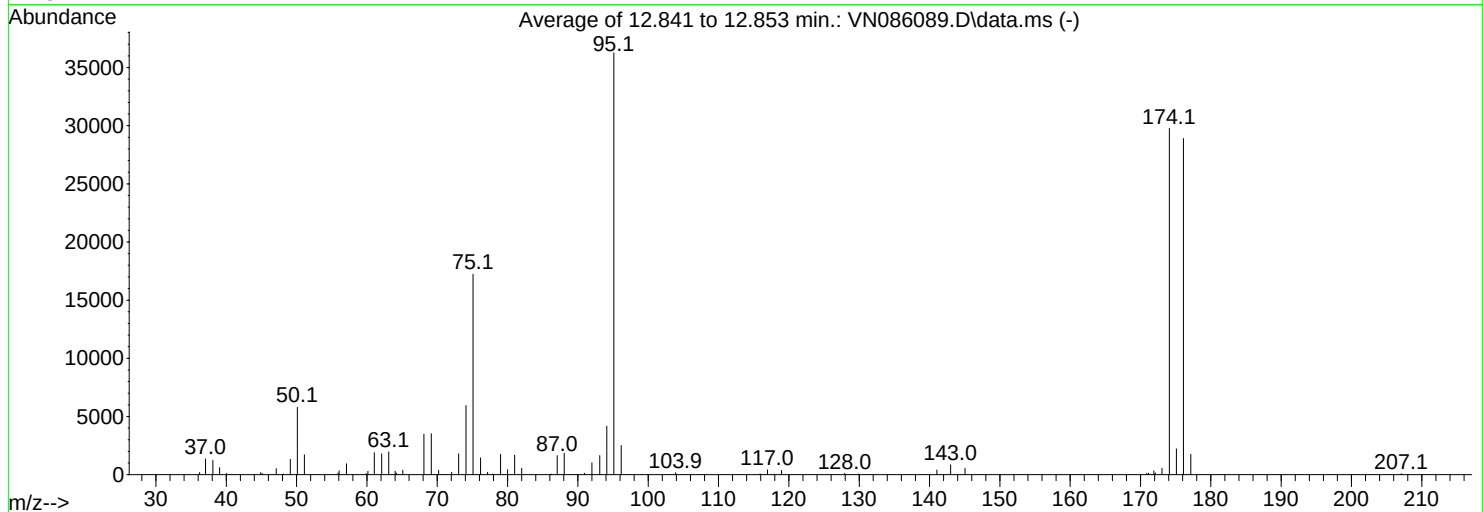
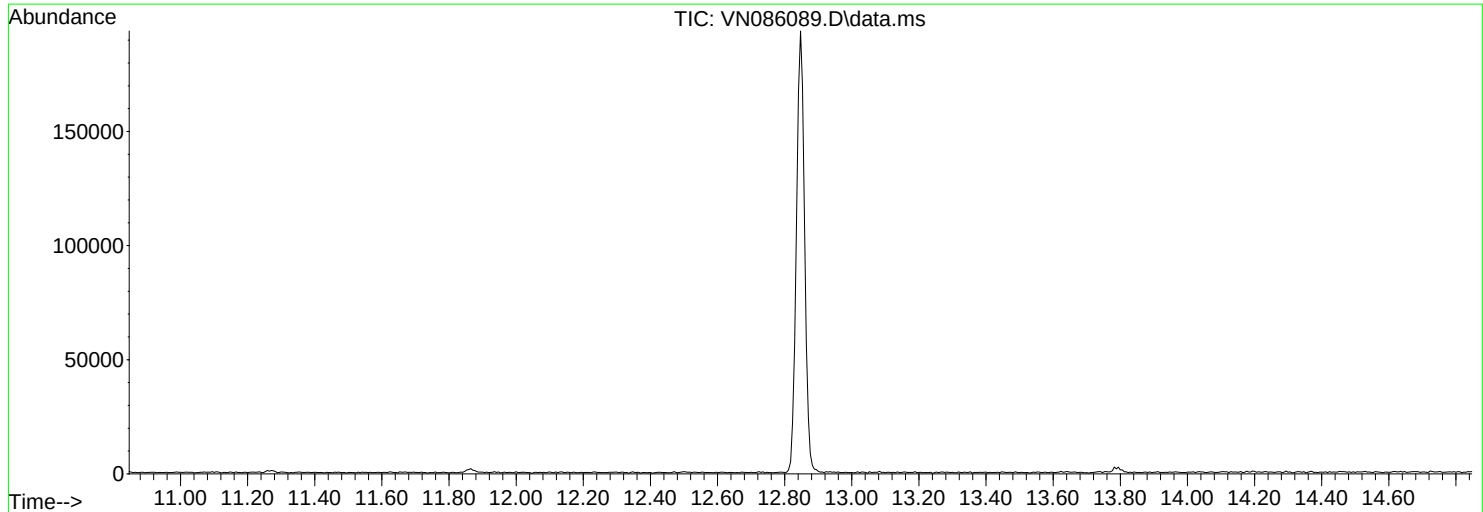
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086089.D
Acq On : 25 Mar 2025 09:39
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260
Last Update : Wed Mar 19 03:20:56 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.0	5790	PASS
75	95	30	60	47.5	17230	PASS
95	95	100	100	100.0	36261	PASS
96	95	5	9	6.9	2503	PASS
173	174	0.00	2	1.8	546	PASS
174	95	50	100	82.1	29765	PASS
175	174	5	9	7.4	2212	PASS
176	174	95	101	97.1	28901	PASS
177	176	5	9	6.1	1749	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.20	183	50.10	5790	64.20	135	77.90	51
37.05	1354	51.10	1700	65.10	388	79.00	174
38.10	1218	55.90	142	68.10	3487	80.00	43
39.05	605	56.05	326	69.15	3520	81.00	168
40.05	113	57.10	936	70.20	370	82.00	547
43.95	26	59.90	103	72.05	191	86.20	54
44.90	185	60.15	286	73.05	1785	87.05	1638
45.10	99	61.05	1887	74.10	5941	88.05	1851
47.10	521	62.10	1790	75.10	17230	90.95	121
48.10	70	63.10	1948	76.15	1451	92.00	1022
49.10	1325	64.00	302	77.15	209	93.10	1639

Average of 12.841 to 12.853 min.: VN086089.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.10	4162	143.00	846	207.10	86		
95.10	36261	145.05	551				
96.15	2503	170.90	119				
103.90	167	171.15	121				
115.90	77	171.90	337				
116.95	416	172.10	158				
117.90	54	173.05	546				
118.95	363	174.10	29765				
127.95	105	175.10	2212				
129.90	52	176.10	28901				
141.05	403	177.15	1749				

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	VN0325WBL01	SDG No.:	Q1626
Lab Sample ID:	VN0325WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086092.D	1		03/25/25 11:26	VN032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.6		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.0		77 - 121	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	8.224			
540-36-3	1,4-Difluorobenzene	371000	9.1			
3114-55-4	Chlorobenzene-d5	326000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086092.D
 Acq On : 25 Mar 2025 11:26
 Operator : JC\MD
 Sample : VN0325WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBL01

Quant Time: Mar 26 03:14:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	201384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	370671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148116	53.711	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.420%	
35) Dibromofluoromethane	8.165	113	130697	50.516	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.040%	
50) Toluene-d8	10.565	98	447092	47.614	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.220%	
62) 4-Bromofluorobenzene	12.847	95	144141	43.044	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 86.080%	

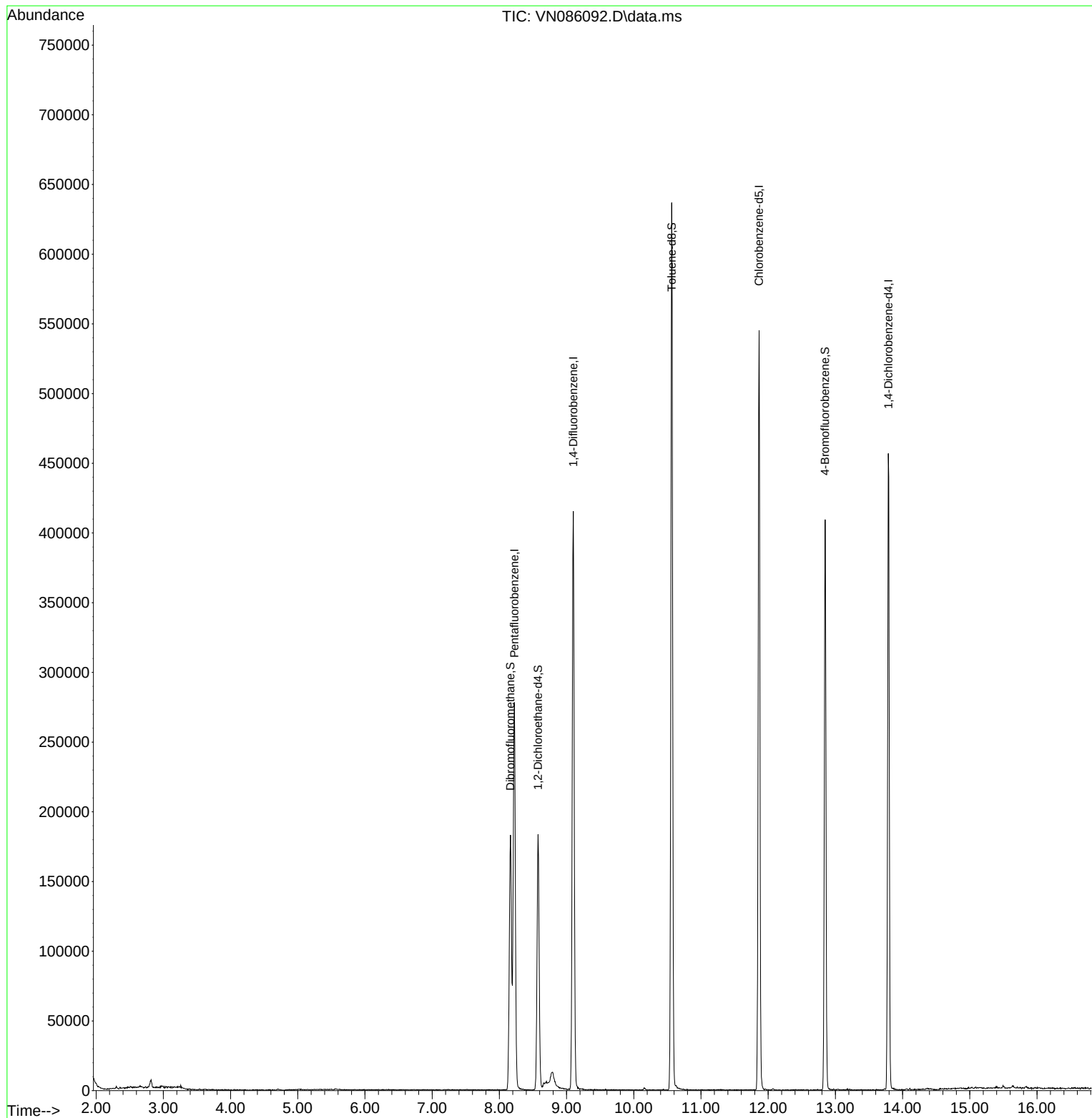
Target Compounds	Qvalue

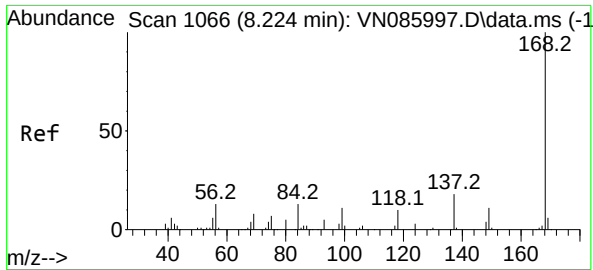
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086092.D
Acq On : 25 Mar 2025 11:26
Operator : JC\MD
Sample : VN0325WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBL01

Quant Time: Mar 26 03:14:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

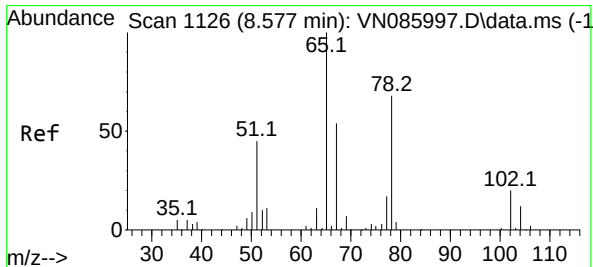
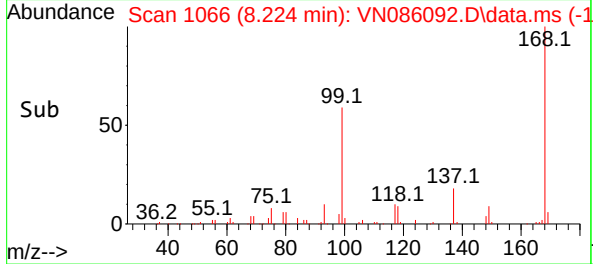
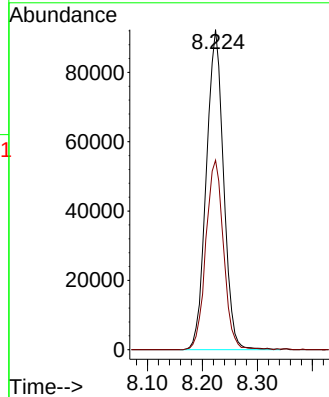
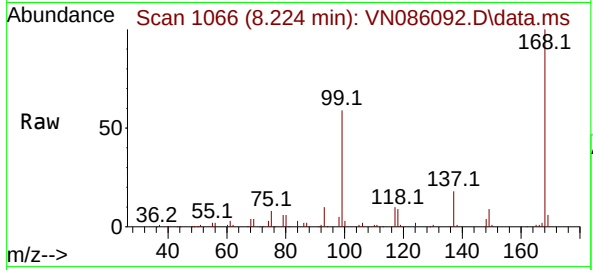




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086092.D
Acq: 25 Mar 2025 11:26

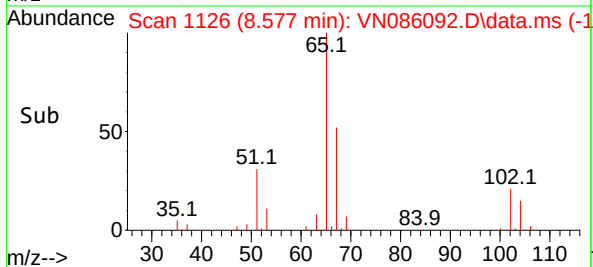
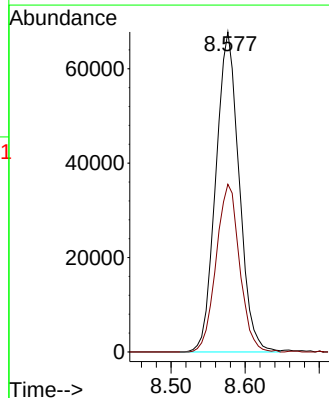
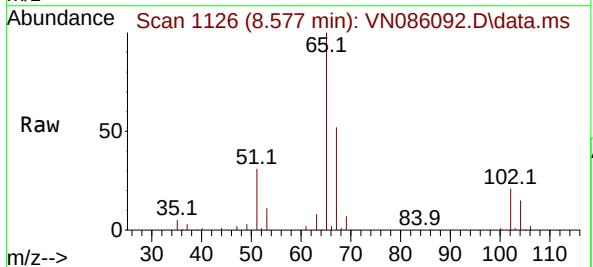
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBL01

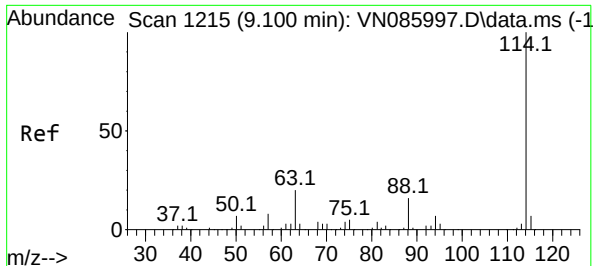
Tgt Ion:168 Resp: 201384
Ion Ratio Lower Upper
168 100
99 59.2 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 53.711 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086092.D
Acq: 25 Mar 2025 11:26

Tgt Ion: 65 Resp: 148116
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086092.D

Acq: 25 Mar 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBL01

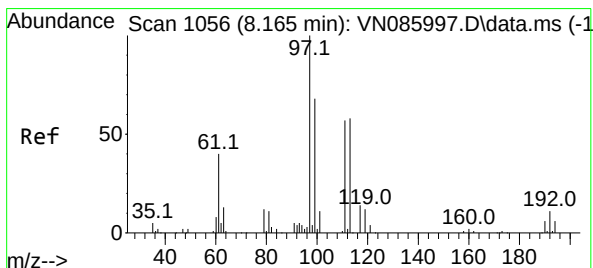
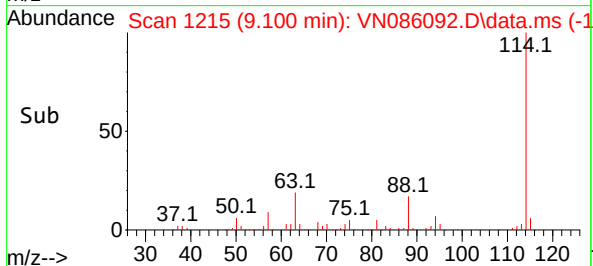
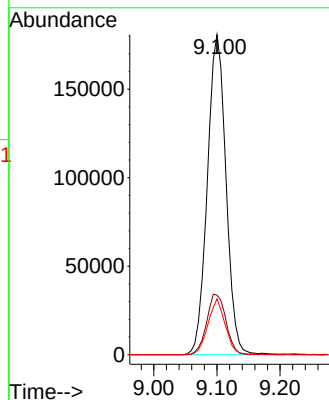
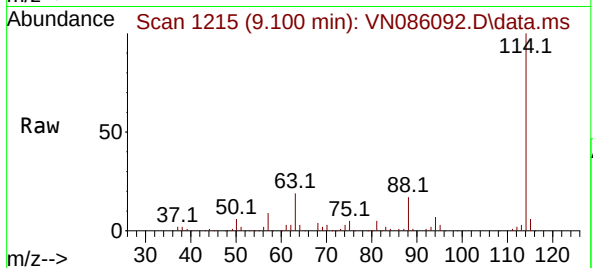
Tgt Ion:114 Resp: 370671

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 17.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.516 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086092.D

Acq: 25 Mar 2025 11:26

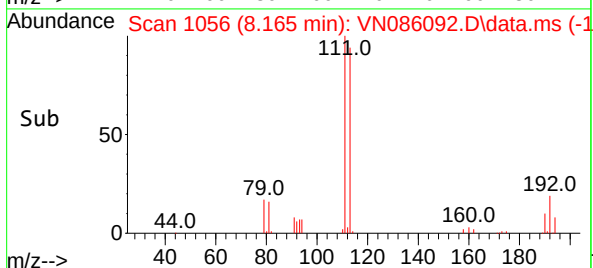
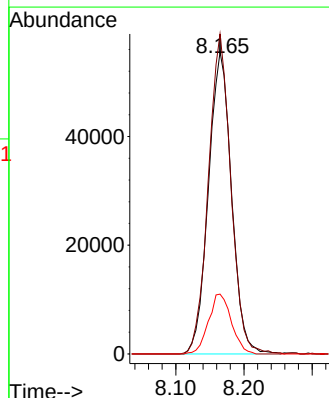
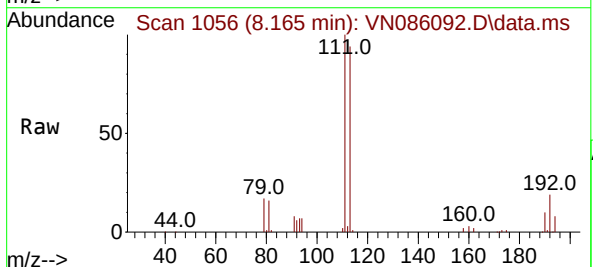
Tgt Ion:113 Resp: 130697

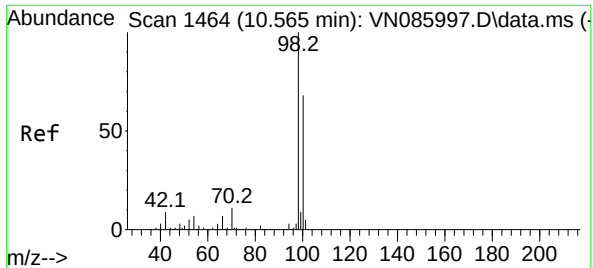
Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

192 19.7 15.9 23.9

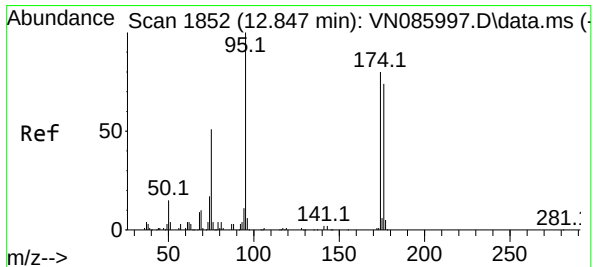
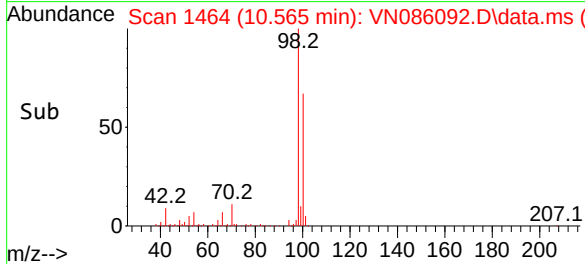
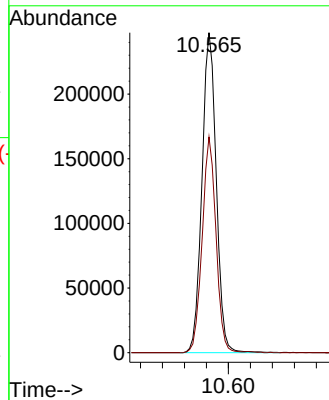
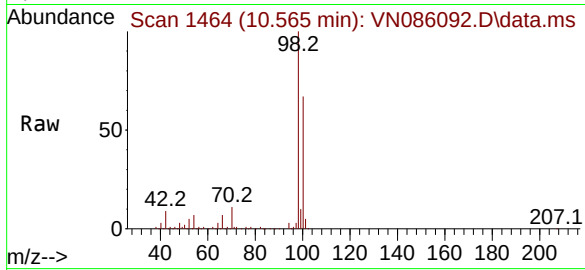




#50
Toluene-d8
Concen: 47.614 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086092.D
Acq: 25 Mar 2025 11:26

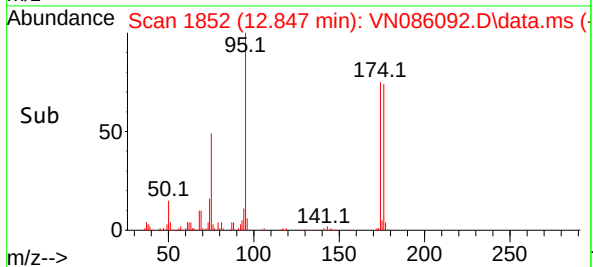
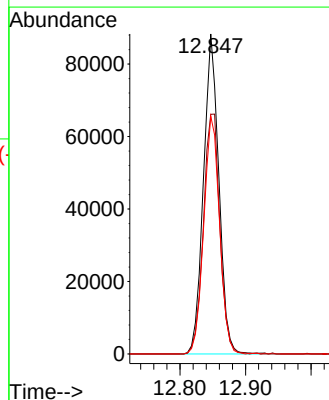
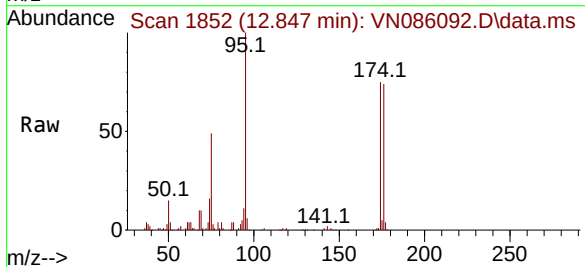
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBL01

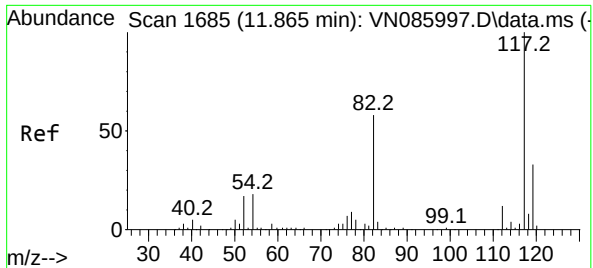
Tgt Ion: 98 Resp: 447092
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 43.044 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086092.D
Acq: 25 Mar 2025 11:26

Tgt Ion: 95 Resp: 144141
Ion Ratio Lower Upper
95 100
174 80.3 0.0 156.8
176 76.3 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086092.D

Acq: 25 Mar 2025 11:26

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBL01

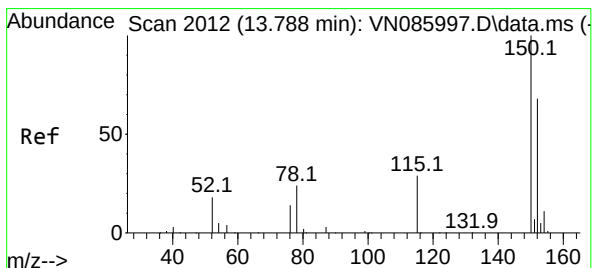
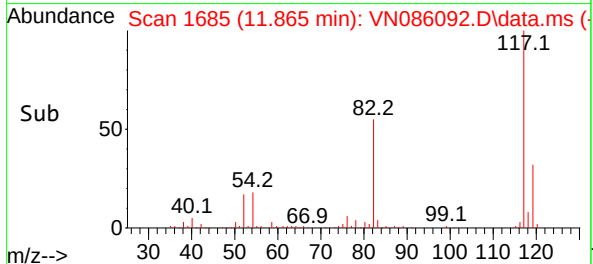
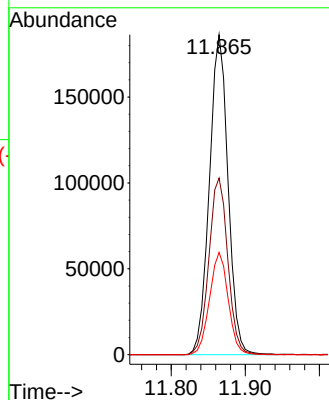
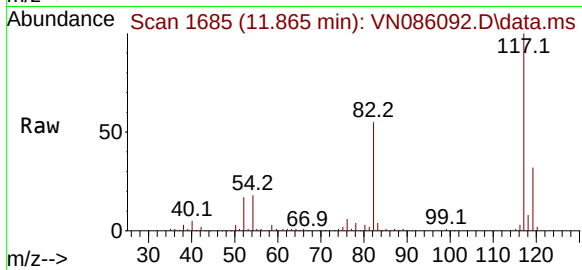
Tgt Ion:117 Resp: 325680

Ion Ratio Lower Upper

117 100

82 55.2 46.7 70.1

119 31.9 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086092.D

Acq: 25 Mar 2025 11:26

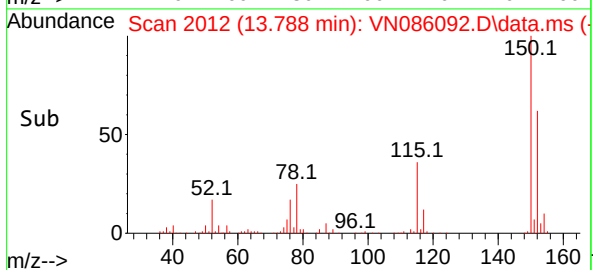
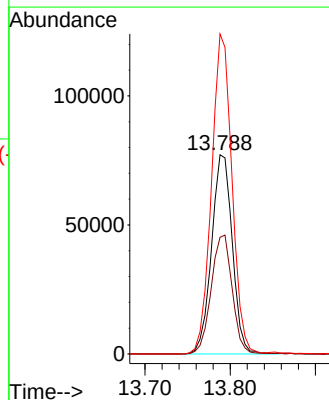
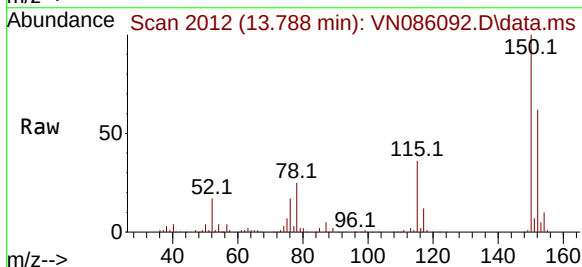
Tgt Ion:152 Resp: 130926

Ion Ratio Lower Upper

152 100

115 60.4 31.1 93.2

150 157.9 0.0 359.6



Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	VN0325WBS01	SDG No.:	Q1626
Lab Sample ID:	VN0325WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086094.D	1		03/25/25 12:39	VN032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	20.7		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.6		0.23	1.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.6		0.25	1.00	ug/L
67-66-3	Chloroform	20.4		0.25	1.00	ug/L
71-43-2	Benzene	20.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	20.1		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	53.9		86 - 113	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	8.224			
540-36-3	1,4-Difluorobenzene	325000	9.1			
3114-55-4	Chlorobenzene-d5	286000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086094.D
 Acq On : 25 Mar 2025 12:39
 Operator : JC\MD
 Sample : VN0325WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 03:14:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	200228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	286017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142002	51.791	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.580%			
35) Dibromofluoromethane	8.165	113	120271	53.094	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.180%			
50) Toluene-d8	10.565	98	442829	53.864	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.720%			
62) 4-Bromofluorobenzene	12.847	95	153130	52.228	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	47142	17.771	ug/l	95
3) Chloromethane	2.359	50	48855	21.008	ug/l	98
4) Vinyl Chloride	2.512	62	49320	20.742	ug/l	97
5) Bromomethane	2.953	94	33206	20.502	ug/l	97
6) Chloroethane	3.118	64	32333	21.555	ug/l	100
7) Trichlorofluoromethane	3.500	101	77528	18.138	ug/l	97
8) Diethyl Ether	3.959	74	27412	20.949	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	44637	19.649	ug/l	99
10) Methyl Iodide	4.589	142	59970	20.259	ug/l	98
11) Tert butyl alcohol	5.524	59	38186	98.369	ug/l	97
12) 1,1-Dichloroethene	4.347	96	42182	20.563	ug/l	94
13) Acrolein	4.177	56	40579	98.008	ug/l	92
14) Allyl chloride	5.024	41	51338	20.061	ug/l	95
15) Acrylonitrile	5.718	53	115003	112.175	ug/l	98
16) Acetone	4.430	43	85053	101.538	ug/l	95
17) Carbon Disulfide	4.712	76	117769	17.457	ug/l	100
18) Methyl Acetate	5.018	43	52186	25.180	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	139445	20.745	ug/l	100
20) Methylene Chloride	5.277	84	51501	21.017	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	45243	20.182	ug/l	95
22) Diisopropyl ether	6.671	45	131002	24.022	ug/l	93
23) Vinyl Acetate	6.606	43	458741	110.965	ug/l	97
24) 1,1-Dichloroethane	6.571	63	84925	21.177	ug/l	97
25) 2-Butanone	7.483	43	132339	109.491	ug/l	96
26) 2,2-Dichloropropane	7.483	77	69919	18.110	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	53672	21.069	ug/l	99
28) Bromochloromethane	7.812	49	40743	23.980	ug/l	96
29) Tetrahydrofuran	7.835	42	90039	120.665	ug/l	94
30) Chloroform	7.965	83	90288	20.369	ug/l	96
31) Cyclohexane	8.259	56	66371	19.428	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	80624	19.215	ug/l	97
36) 1,1-Dichloropropene	8.371	75	59099	19.813	ug/l	99
37) Ethyl Acetate	7.559	43	55825	22.184	ug/l	98
38) Carbon Tetrachloride	8.359	117	72887	18.585	ug/l	98
39) Methylcyclohexane	9.600	83	55931	18.900	ug/l	99
40) Benzene	8.606	78	194385	20.760	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086094.D
 Acq On : 25 Mar 2025 12:39
 Operator : JC\MD
 Sample : VN0325WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 03:14:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	28779	23.951	ug/l	94
42) 1,2-Dichloroethane	8.671	62	65677	20.130	ug/l	99
43) Isopropyl Acetate	8.688	43	94173	17.270	ug/l	96
44) Trichloroethene	9.347	130	45300	18.666	ug/l	98
45) 1,2-Dichloropropane	9.618	63	48492	22.769	ug/l	96
46) Dibromomethane	9.706	93	34741	20.742	ug/l	98
47) Bromodichloromethane	9.888	83	72524	20.719	ug/l	97
48) Methyl methacrylate	9.682	41	39343	21.864	ug/l	97
49) 1,4-Dioxane	9.688	88	19360	455.133	ug/l	93
51) 4-Methyl-2-Pentanone	10.441	43	285096	118.550	ug/l	97
52) Toluene	10.629	92	123085	21.417	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	70052	20.607	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	74599	20.799	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	48046	21.904	ug/l	97
56) Ethyl methacrylate	10.871	69	65070	21.540	ug/l	96
57) 1,3-Dichloropropane	11.159	76	80267	21.545	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	138859	119.962	ug/l	99
59) 2-Hexanone	11.194	43	202492	115.583	ug/l	96
60) Dibromochloromethane	11.359	129	58978	20.837	ug/l	99
61) 1,2-Dibromoethane	11.465	107	46988	20.866	ug/l	95
64) Tetrachloroethene	11.100	164	45834	20.089	ug/l	96
65) Chlorobenzene	11.888	112	130241	19.900	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	50560	20.781	ug/l	100
67) Ethyl Benzene	11.959	91	210052	20.064	ug/l	99
68) m/p-Xylenes	12.070	106	169254	41.132	ug/l	98
69) o-Xylene	12.394	106	78427	20.766	ug/l	96
70) Styrene	12.412	104	134416	20.837	ug/l	98
71) Bromoform	12.576	173	40980	20.149	ug/l #	100
73) Isopropylbenzene	12.694	105	192849	20.254	ug/l	99
74) N-amyl acetate	12.494	43	70288	22.065	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	68421	21.241	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	66566m	21.325	ug/l	
77) Bromobenzene	12.976	156	52643	19.828	ug/l	97
78) n-propylbenzene	13.035	91	225748	20.938	ug/l	99
79) 2-Chlorotoluene	13.123	91	148595	20.750	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	168119	20.913	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	24866	21.060	ug/l	95
82) 4-Chlorotoluene	13.217	91	150275	20.406	ug/l	99
83) tert-Butylbenzene	13.435	119	132020	19.202	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	169874	20.951	ug/l	99
85) sec-Butylbenzene	13.612	105	183683	20.480	ug/l	100
86) p-Isopropyltoluene	13.729	119	150162	19.778	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	96274	20.117	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	93804	18.656	ug/l	98
89) n-Butylbenzene	14.053	91	112330	18.168	ug/l	99
90) Hexachloroethane	14.335	117	32697	18.664	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	91245	19.180	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12856	19.993	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	39788	16.633	ug/l	97
94) Hexachlorobutadiene	15.494	225	22756	16.397	ug/l	97
95) Naphthalene	15.641	128	113242	16.349	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	40932	18.033	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086094.D
Acq On : 25 Mar 2025 12:39
Operator : JC\MD
Sample : VN0325WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

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

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

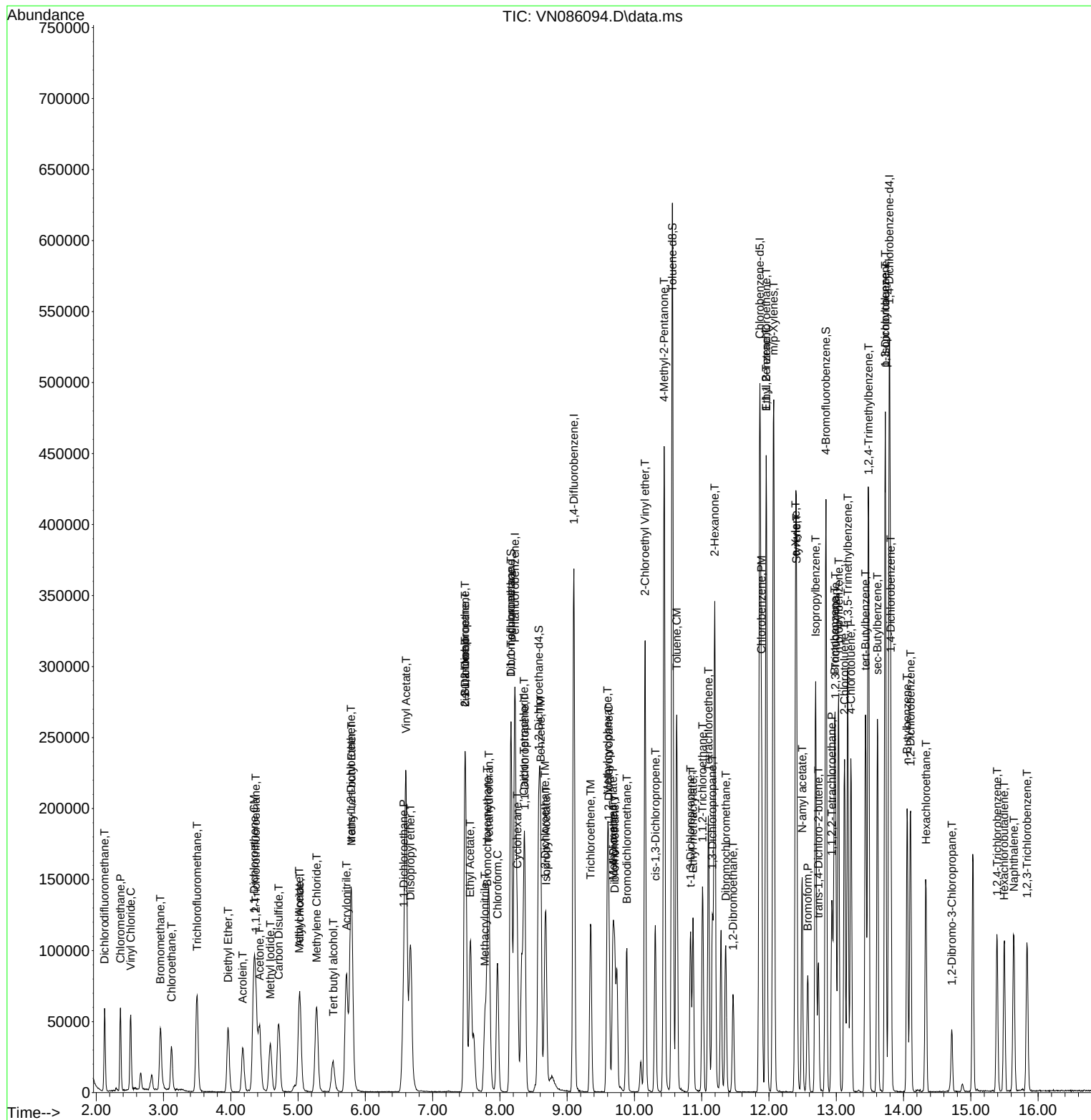
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Data File : VN086094.D
Acq On : 25 Mar 2025 12:39
Operator : JC\MD
Sample : VN0325WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

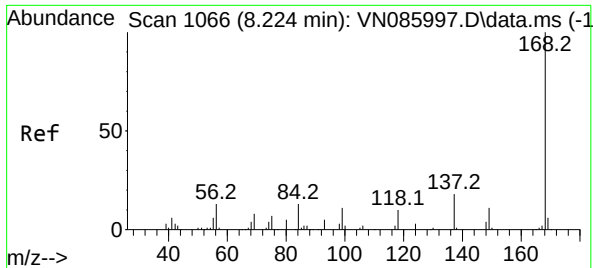
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Manual Integrations

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

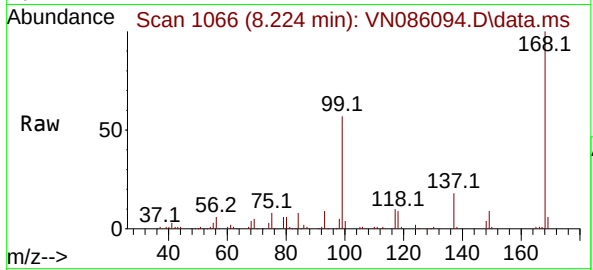
Quant Time: Mar 26 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

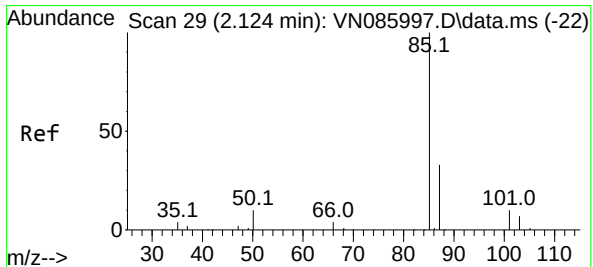
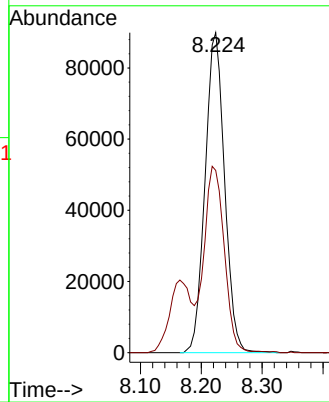
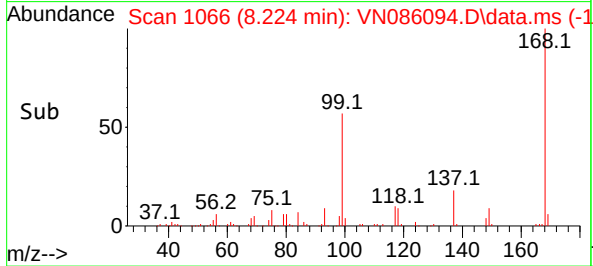
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion:168 Resp: 200228
Ion Ratio Lower Upper
168 100
99 56.9 49.4 74.2

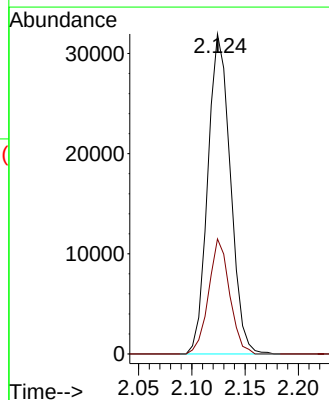
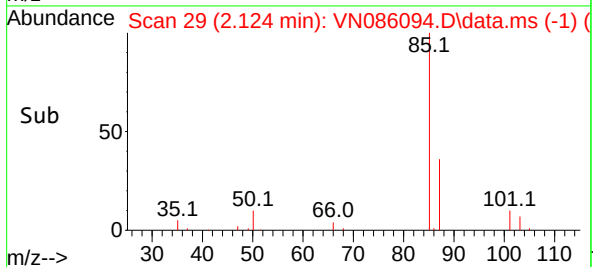
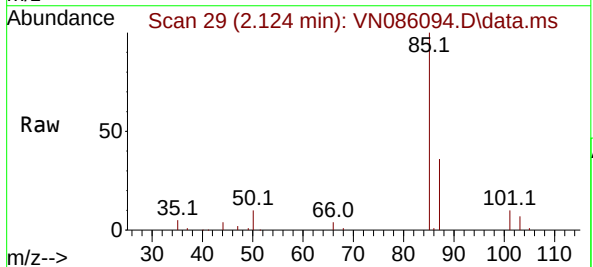
Manual Integrations
APPROVED

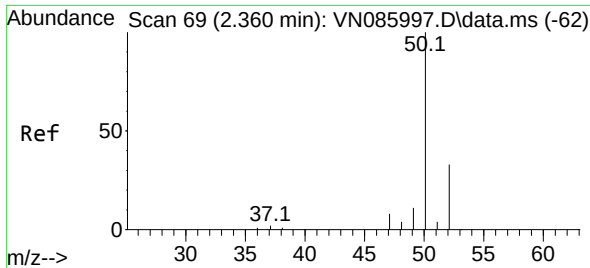
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#2
Dichlorodifluoromethane
Concen: 17.771 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion: 85 Resp: 47142
Ion Ratio Lower Upper
85 100
87 36.0 16.5 49.5





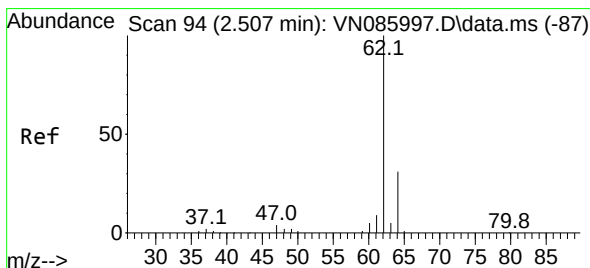
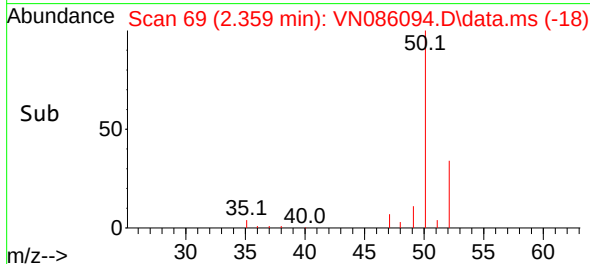
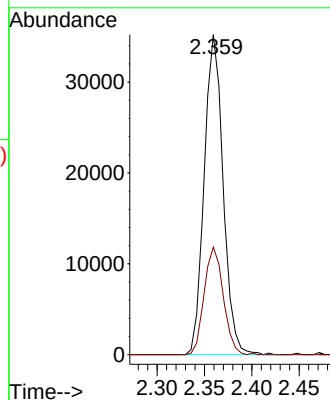
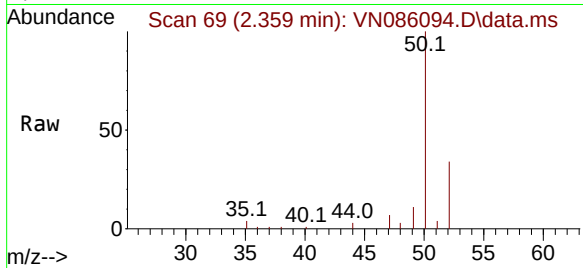
#3
Chloromethane
Concen: 21.008 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tgt Ion: 50 Resp: 4885
Ion Ratio Lower Upper
50 100
52 33.7 26.0 39.0

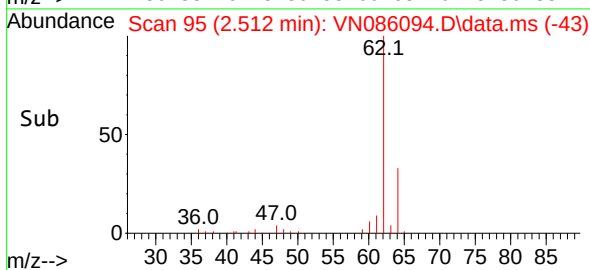
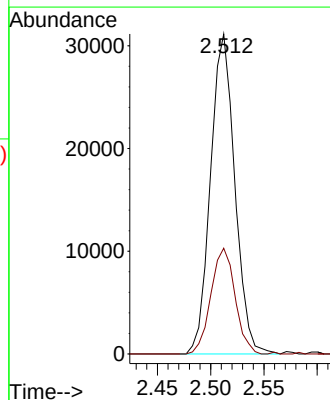
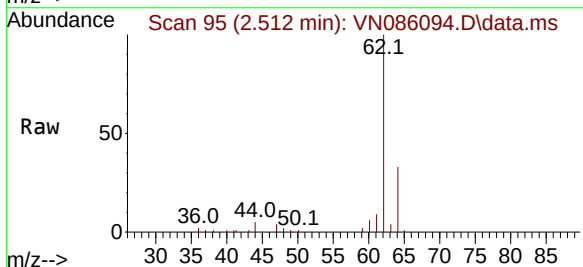
Manual Integrations
APPROVED

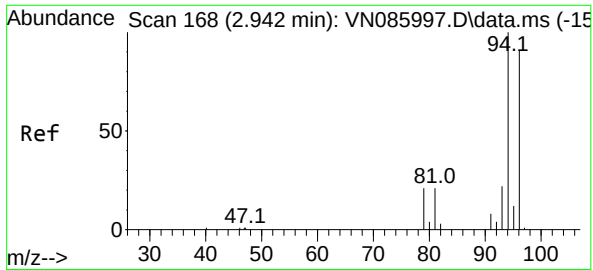
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#4
Vinyl Chloride
Concen: 20.742 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion: 62 Resp: 49320
Ion Ratio Lower Upper
62 100
64 33.1 25.2 37.8





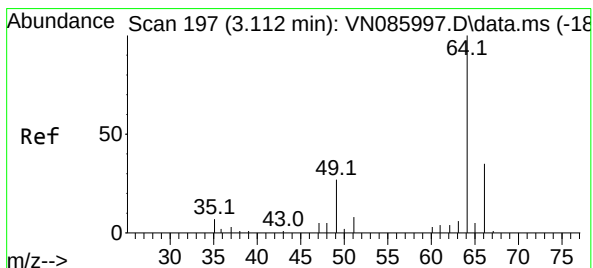
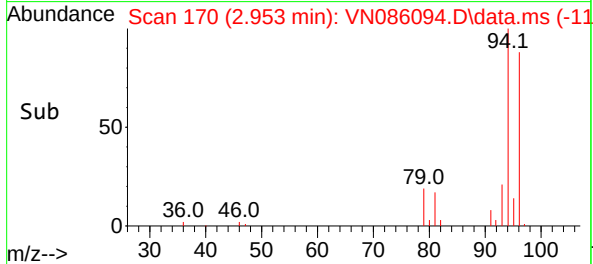
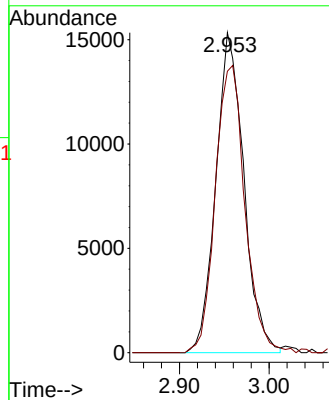
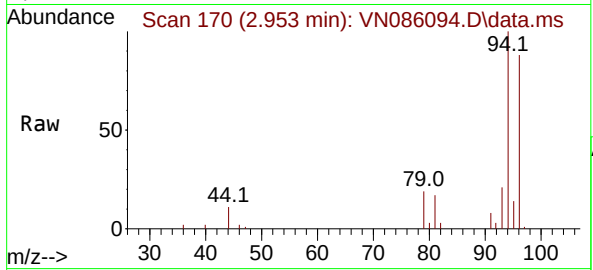
#5
Bromomethane
Concen: 20.502 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tgt Ion: 94 Resp: 33200
Ion Ratio Lower Upper
94 100
96 87.9 72.8 109.2

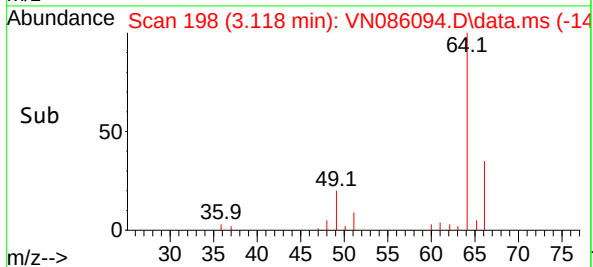
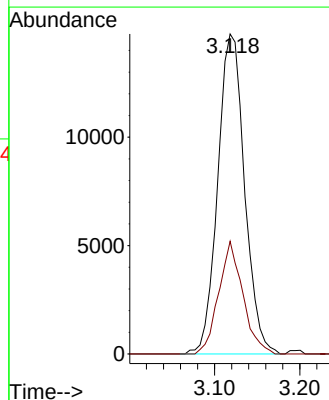
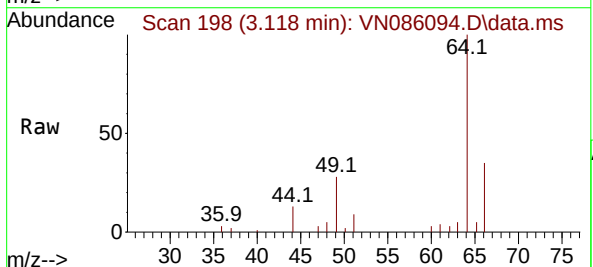
Manual Integrations
APPROVED

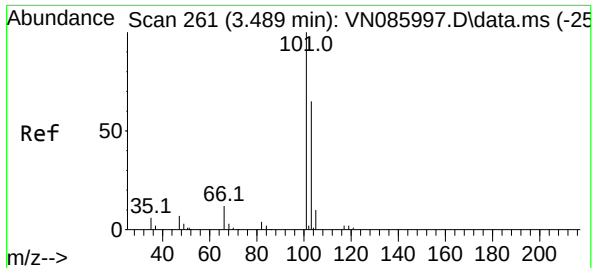
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#6
Chloroethane
Concen: 21.555 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion: 64 Resp: 32333
Ion Ratio Lower Upper
64 100
66 35.2 28.3 42.5





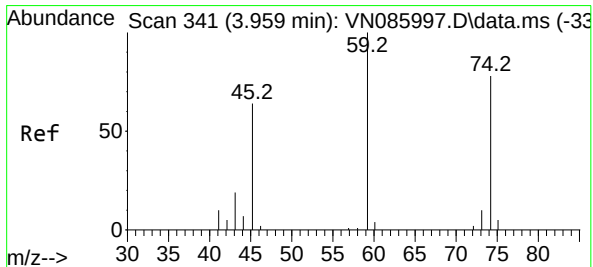
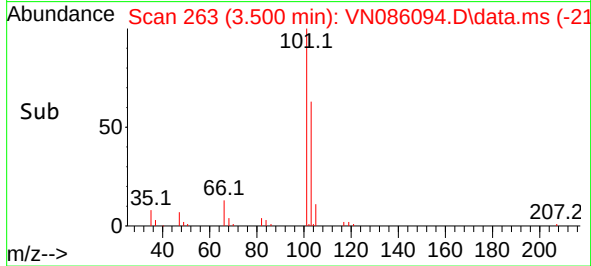
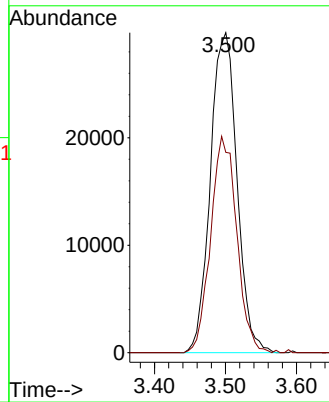
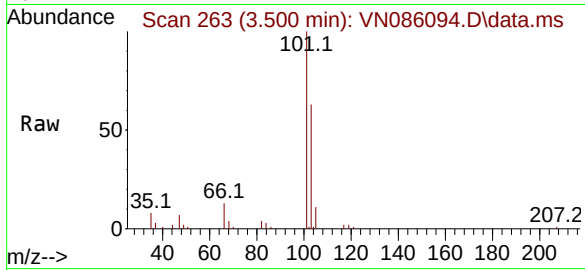
#7
Trichlorofluoromethane
Concen: 18.138 ug/l
RT: 3.500 min Scan# 261
Delta R.T. 0.012 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tgt Ion:101 Resp: 77528
Ion Ratio Lower Upper
101 100
103 62.6 51.7 77.5

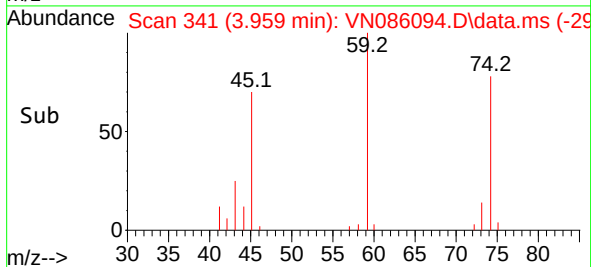
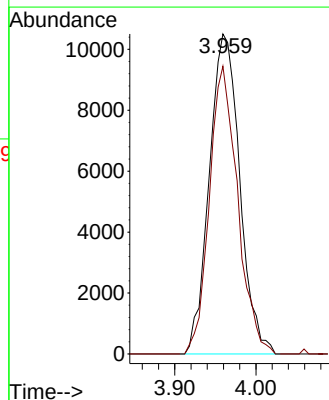
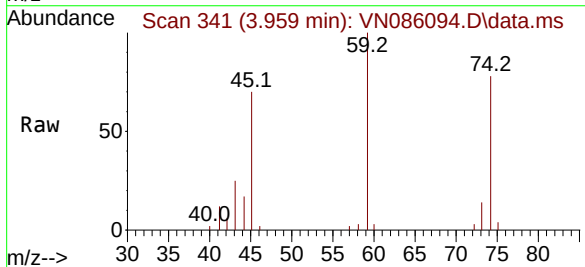
Manual Integrations
APPROVED

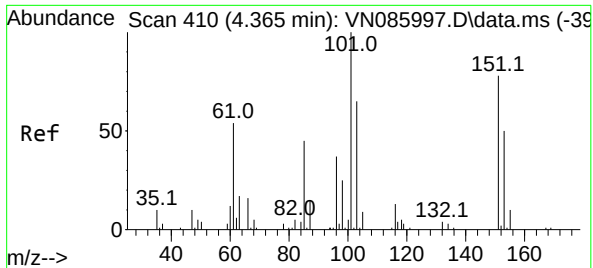
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#8
Diethyl Ether
Concen: 20.949 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion: 74 Resp: 27412
Ion Ratio Lower Upper
74 100
45 83.2 38.0 113.9





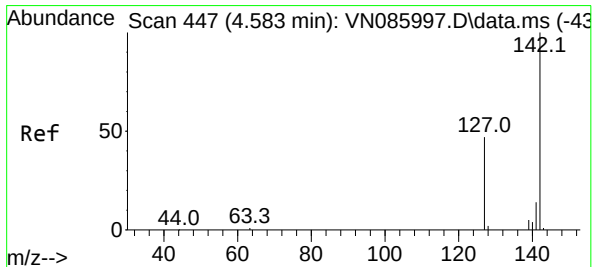
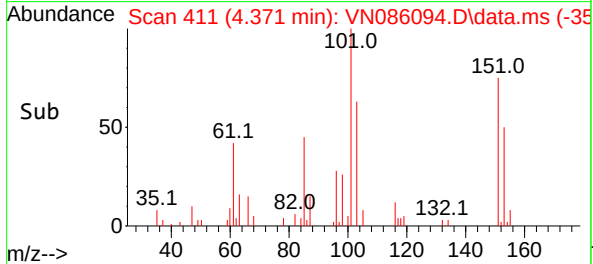
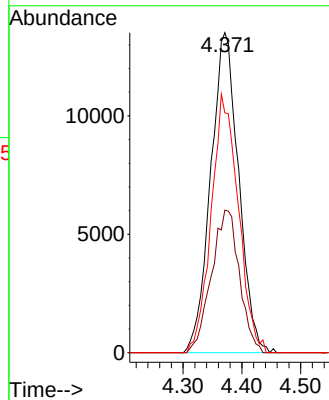
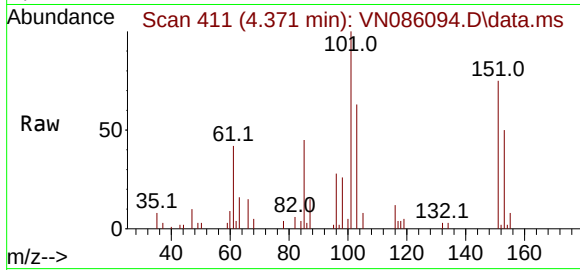
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.649 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tgt Ion:101 Resp: 4463
Ion Ratio Lower Upper
101 100
85 44.6 36.5 54.7
151 78.1 63.4 95.0

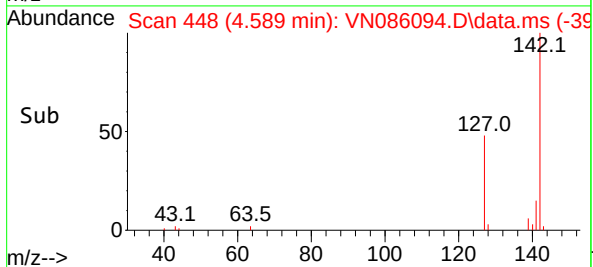
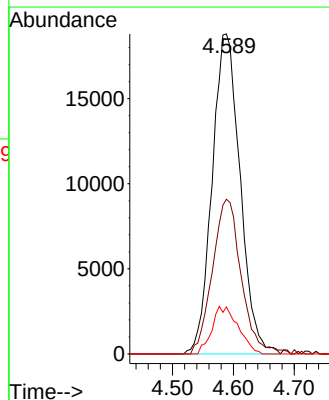
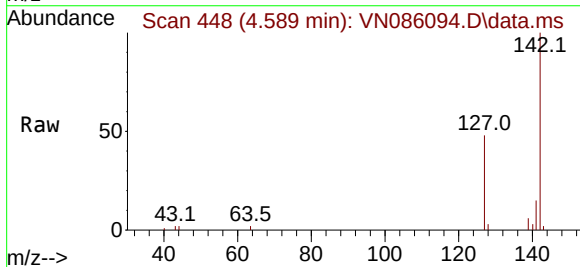
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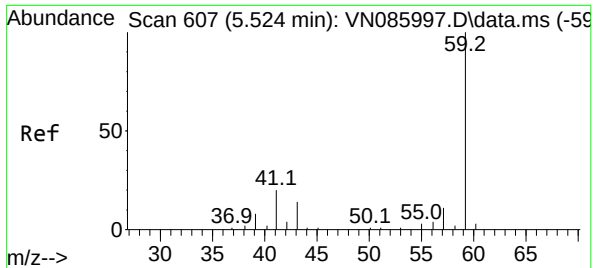
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#10
Methyl Iodide
Concen: 20.259 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion:142 Resp: 59970
Ion Ratio Lower Upper
142 100
127 48.4 37.5 56.3
141 14.7 11.0 16.6





#11

Tert butyl alcohol

Concen: 98.369 ug/l

RT: 5.524 min Scan# 607

Delta R.T. -0.000 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tgt Ion: 59 Resp: 3818

Ion Ratio Lower Upper

59 100

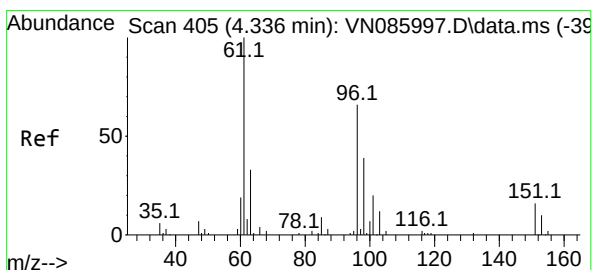
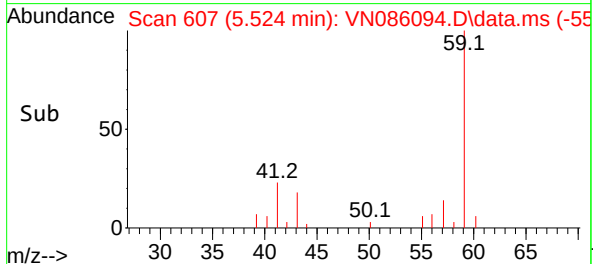
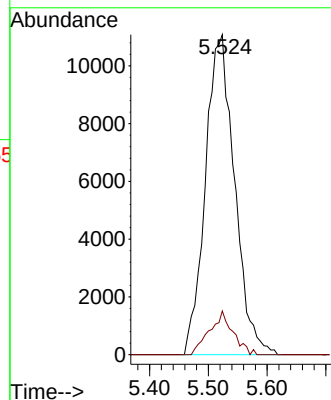
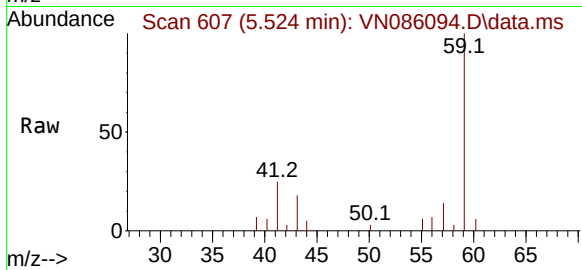
57 10.9 7.9 11.9

Manual Integrations

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Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#12

1,1-Dichloroethene

Concen: 20.563 ug/l

RT: 4.347 min Scan# 407

Delta R.T. 0.012 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

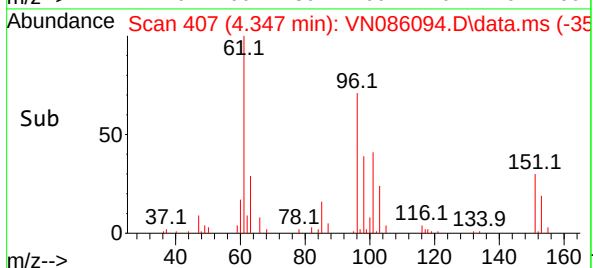
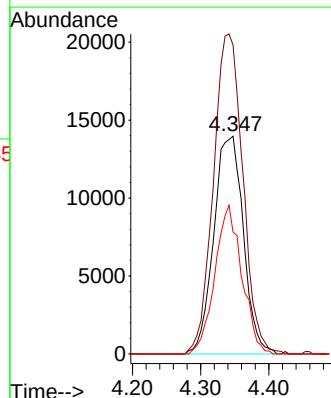
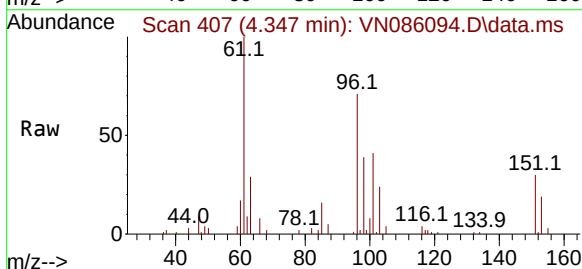
Tgt Ion: 96 Resp: 42182

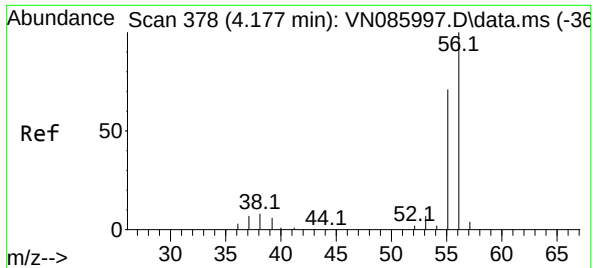
Ion Ratio Lower Upper

96 100

61 141.8 120.5 180.7

98 56.0 47.4 71.0





#13

Acrolein

Concen: 98.008 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tgt Ion: 56 Resp: 40579

Ion Ratio Lower Upper

56 100

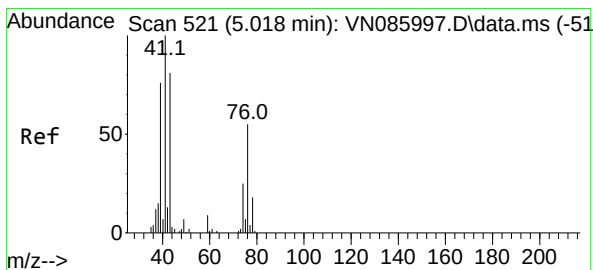
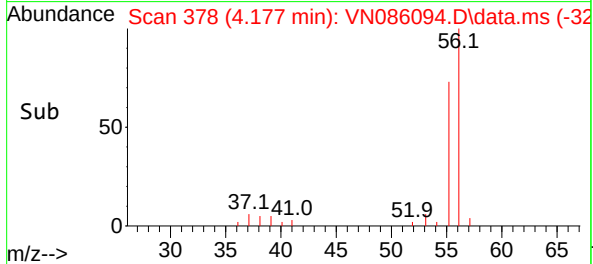
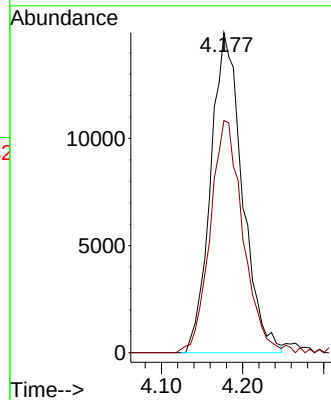
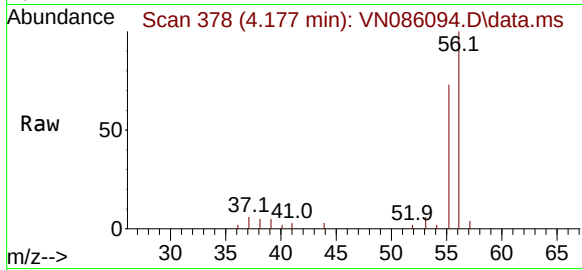
55 75.0 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#14

Allyl chloride

Concen: 20.061 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

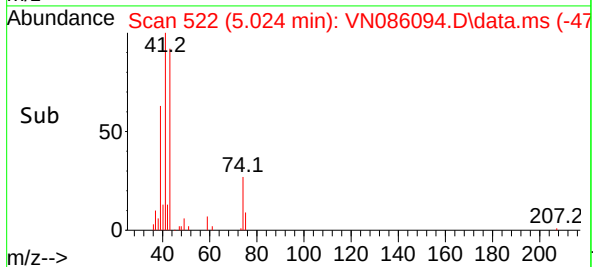
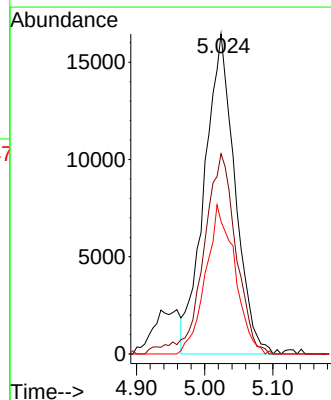
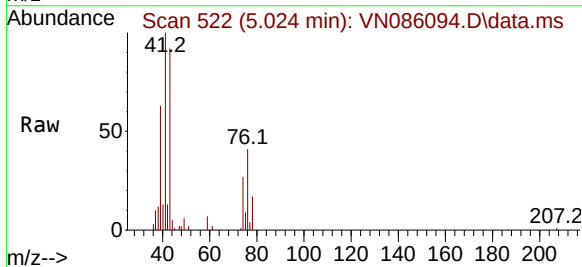
Tgt Ion: 41 Resp: 51338

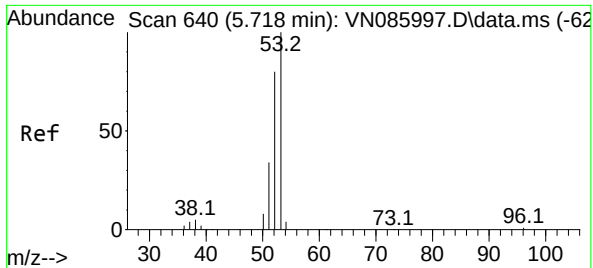
Ion Ratio Lower Upper

41 100

39 66.3 55.5 83.3

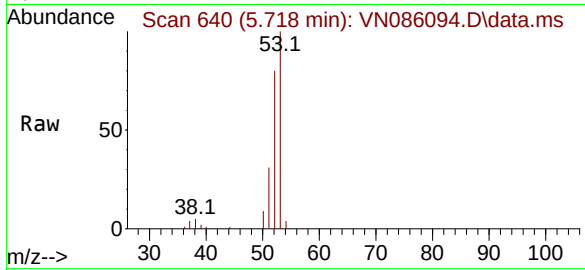
76 44.6 39.1 58.7





#15
Acrylonitrile
Concen: 112.175 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

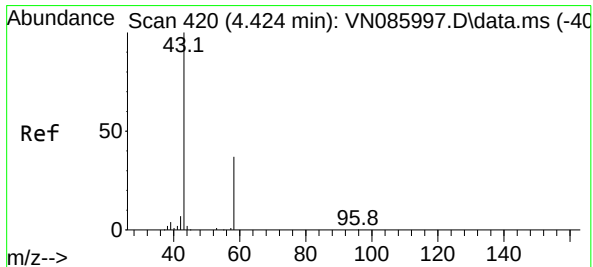
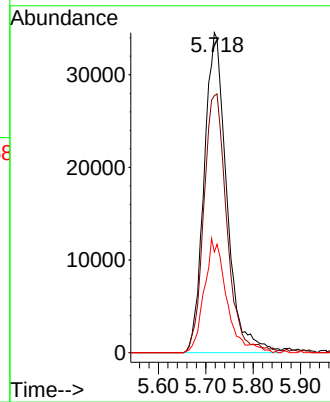
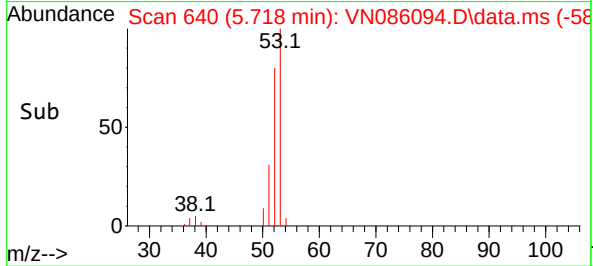
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion: 53 Resp: 11500
Ion Ratio Lower Upper
53 100
52 82.2 63.9 95.9
51 33.9 27.1 40.7

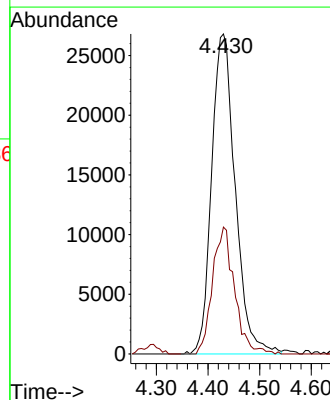
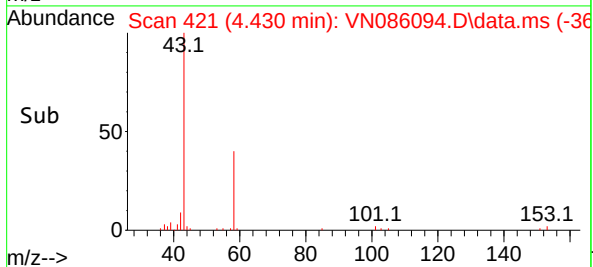
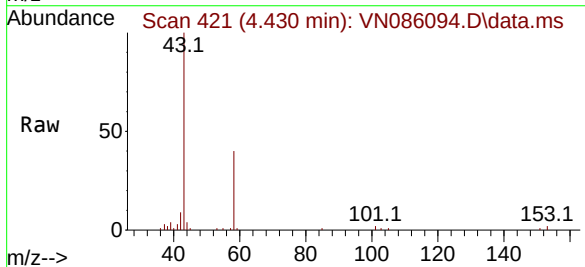
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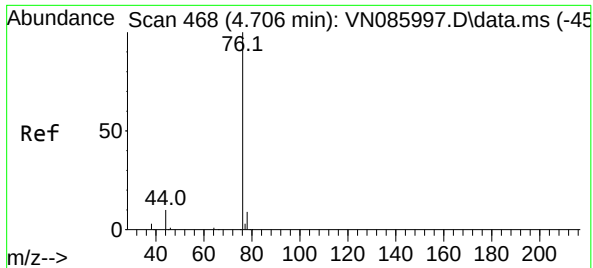
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#16
Acetone
Concen: 101.538 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

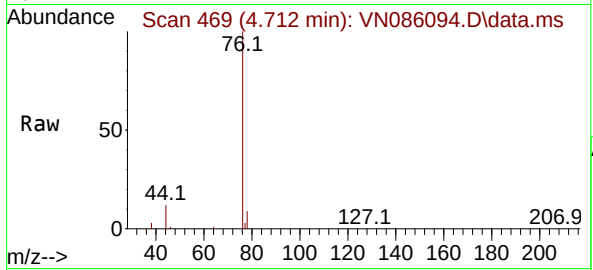
Tgt Ion: 43 Resp: 85053
Ion Ratio Lower Upper
43 100
58 39.7 29.4 44.2





#17
Carbon Disulfide
Concen: 17.457 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

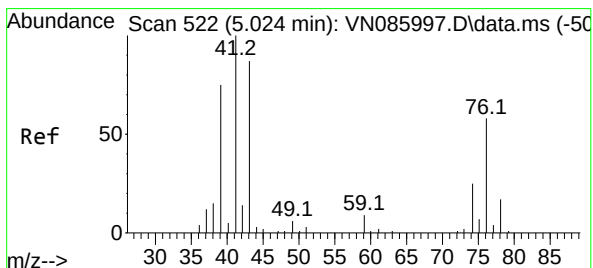
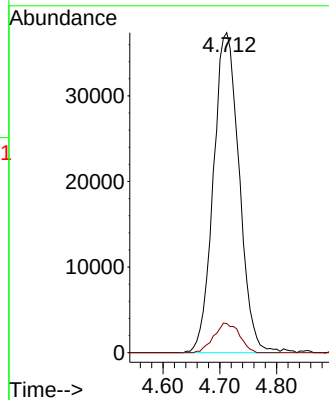
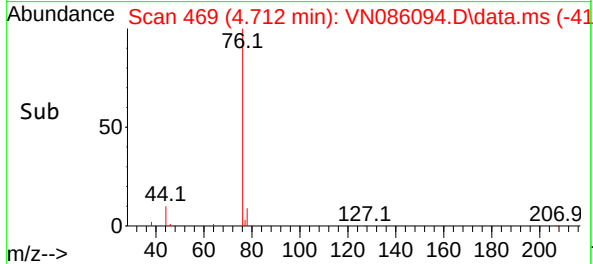
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion: 76 Resp: 117769
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2

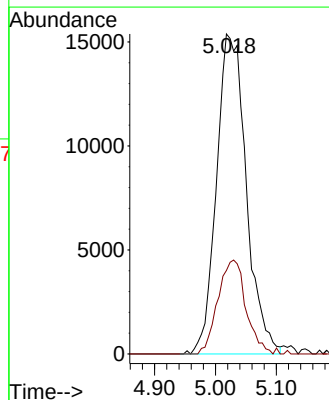
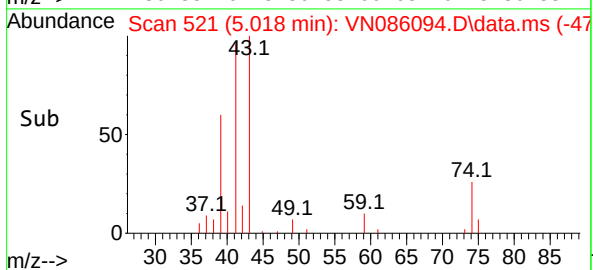
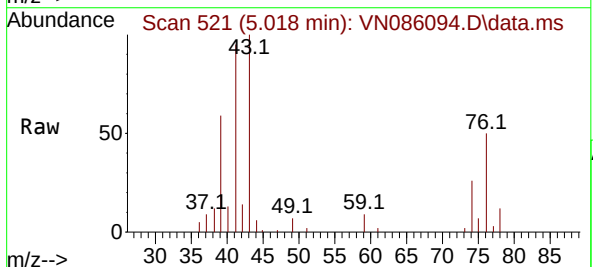
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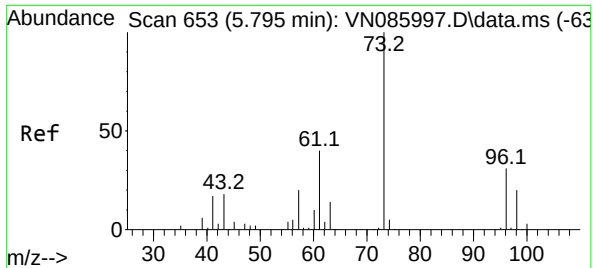
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#18
Methyl Acetate
Concen: 25.180 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion: 43 Resp: 52186
Ion Ratio Lower Upper
43 100
74 27.6 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 20.745 ug/l

RT: 5.794 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tgt Ion: 73 Resp: 13944

Ion Ratio Lower Upper

73 100

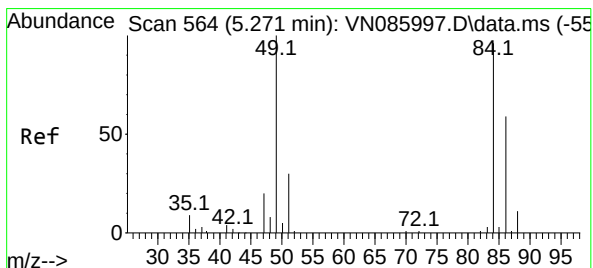
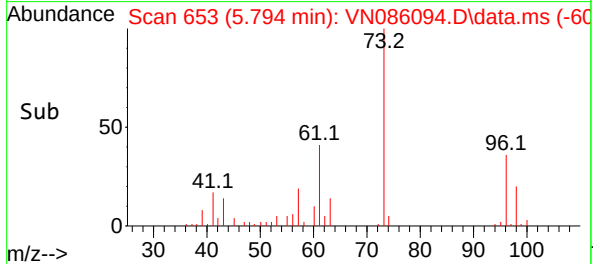
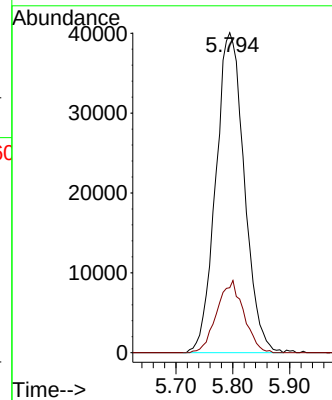
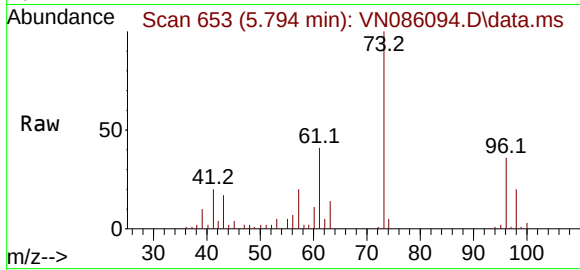
57 20.3 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#20

Methylene Chloride

Concen: 21.017 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Tgt Ion: 84 Resp: 51501

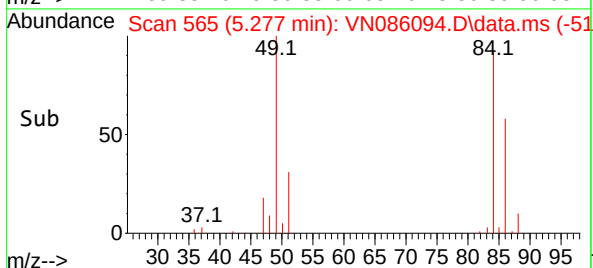
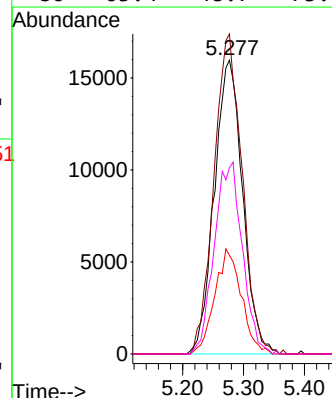
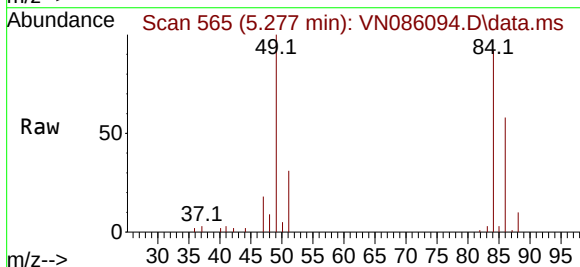
Ion Ratio Lower Upper

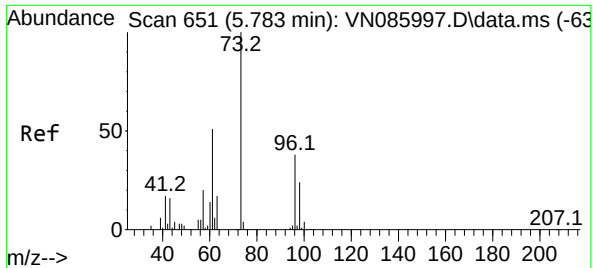
84 100

49 109.0 83.3 124.9

51 33.6 24.8 37.2

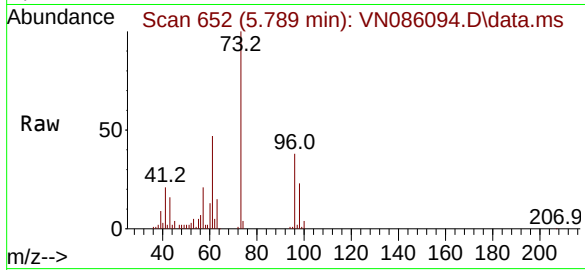
86 63.4 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 20.182 ug/l
RT: 5.789 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

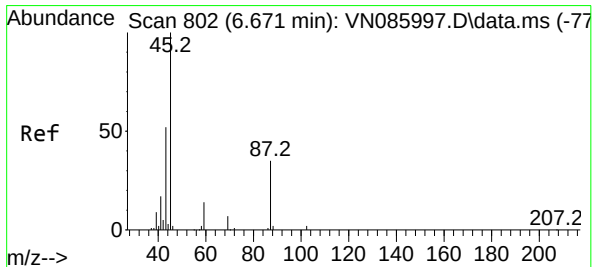
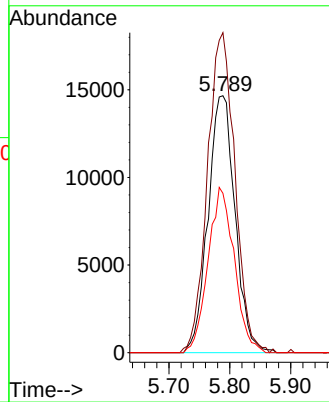
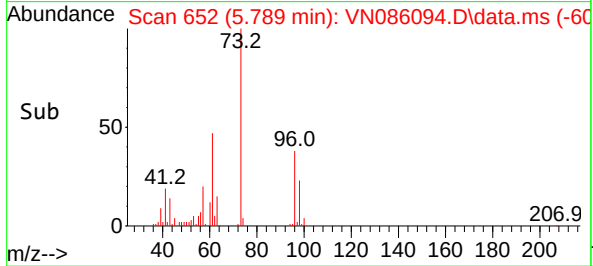
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion: 96 Resp: 4524
Ion Ratio Lower Upper
96 100
61 124.5 106.6 160.0
98 62.0 50.0 75.0

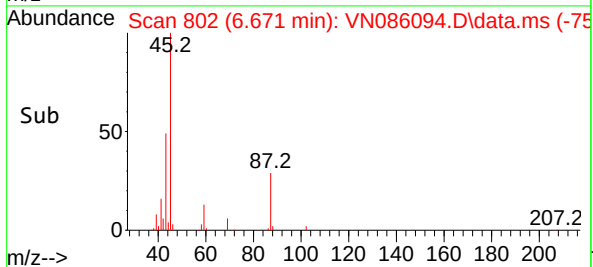
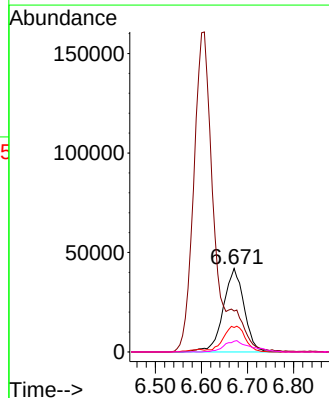
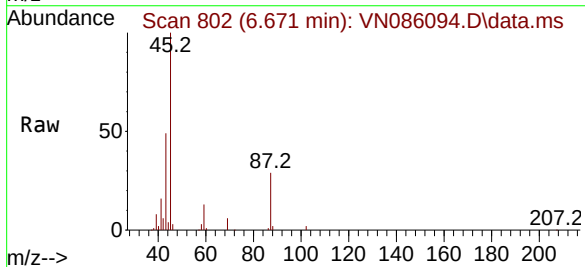
Manual Integrations
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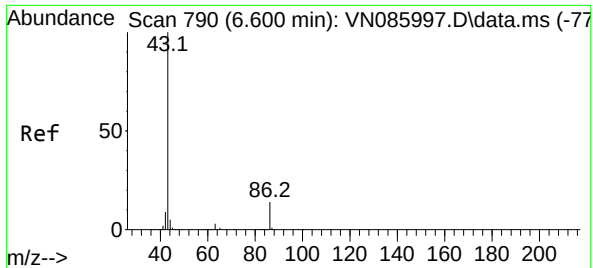
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#22
Diisopropyl ether
Concen: 24.022 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

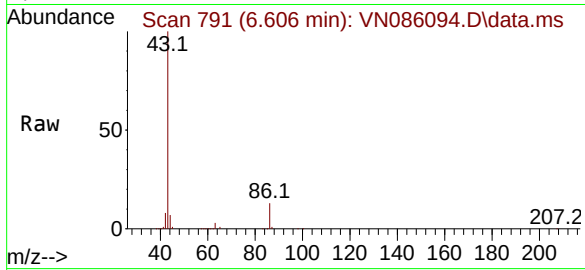
Tgt Ion: 45 Resp: 131002
Ion Ratio Lower Upper
45 100
43 47.6 41.2 61.8
87 29.3 28.5 42.7
59 12.8 11.2 16.8





#23
 Vinyl Acetate
 Concen: 110.965 ug/l
 RT: 6.606 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN086094.D
 Acq: 25 Mar 2025 12:39

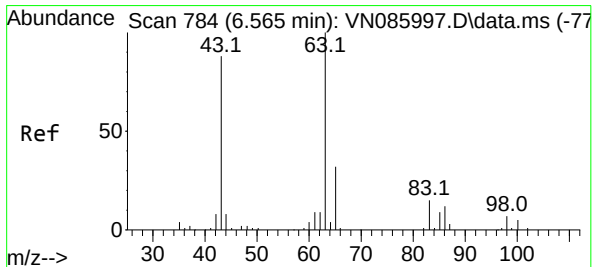
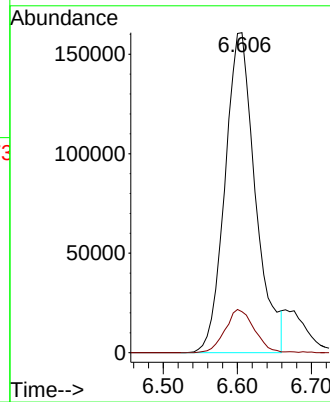
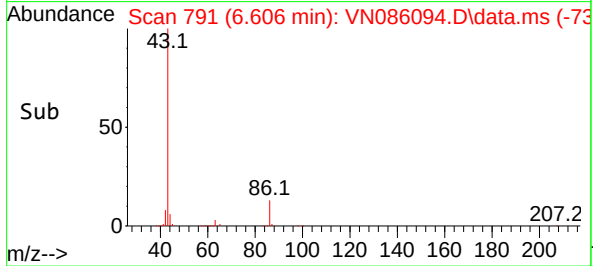
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01



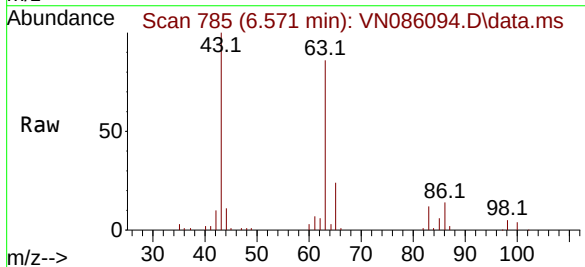
Tgt Ion: 43 Resp: 45874
 Ion Ratio Lower Upper
 43 100
 86 12.8 11.2 16.8

Manual Integrations
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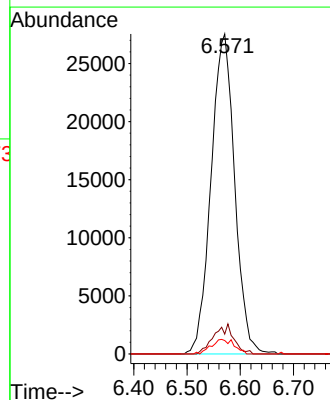
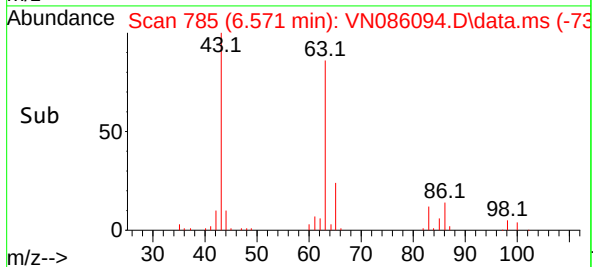
Reviewed By :John Carlone 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

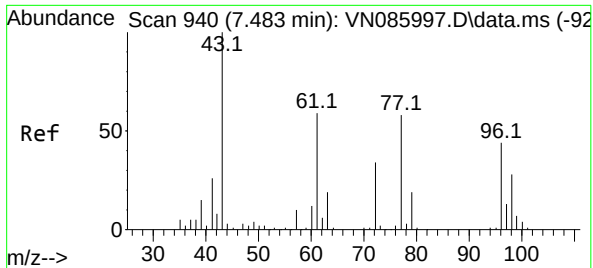


#24
 1,1-Dichloroethane
 Concen: 21.177 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. 0.006 min
 Lab File: VN086094.D
 Acq: 25 Mar 2025 12:39



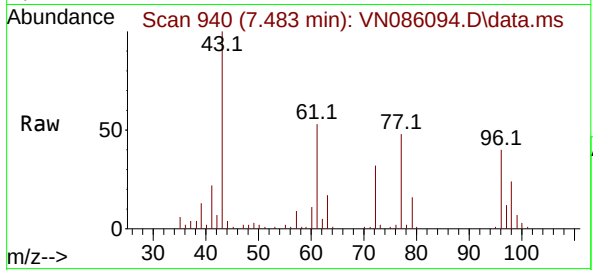
Tgt Ion: 63 Resp: 84925
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.6 10.9
 100 4.2 2.5 7.5





#25
2-Butanone
Concen: 109.491 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

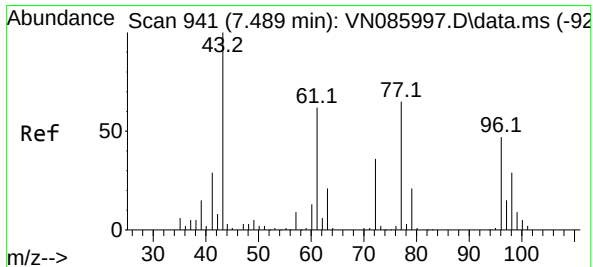
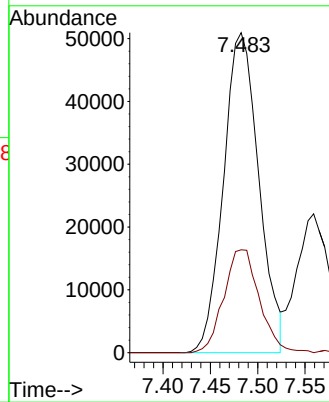
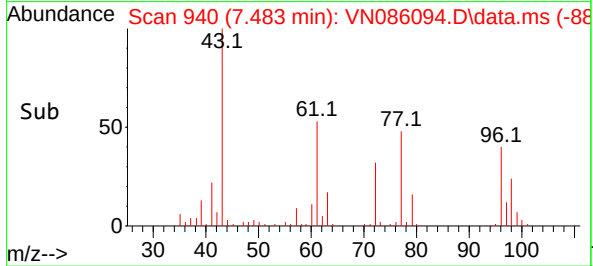
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion: 43 Resp: 132339
Ion Ratio Lower Upper
43 100
72 32.2 27.4 41.0

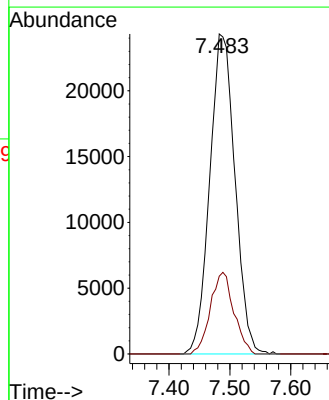
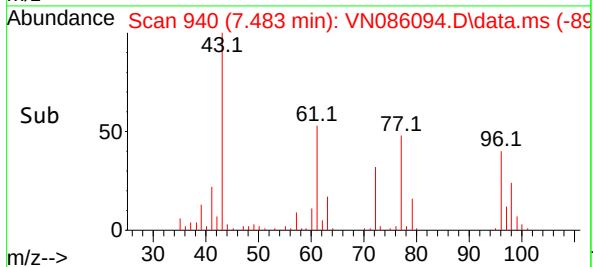
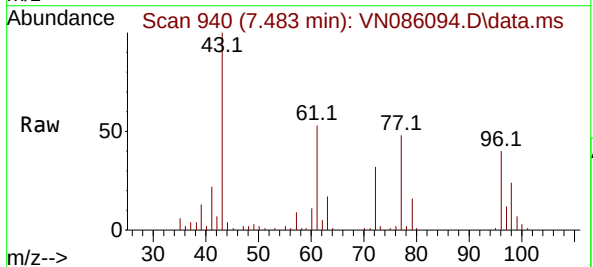
Manual Integrations
APPROVED

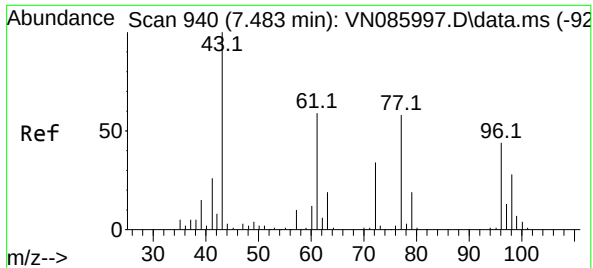
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#26
2,2-Dichloropropane
Concen: 18.110 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

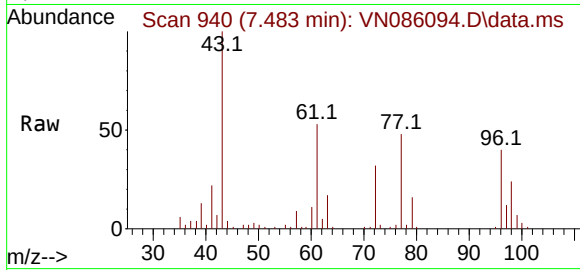
Tgt Ion: 77 Resp: 69919
Ion Ratio Lower Upper
77 100
97 23.7 11.2 33.5





#27
cis-1,2-Dichloroethene
Concen: 21.069 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

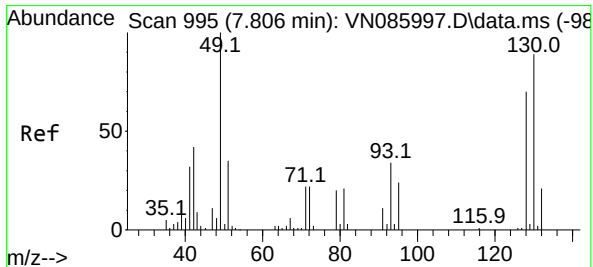
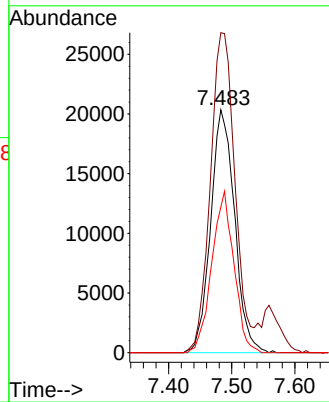
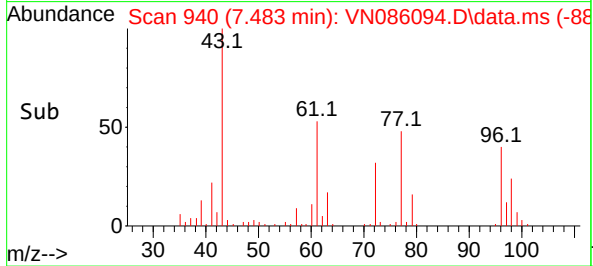
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion: 96 Resp: 53672
Ion Ratio Lower Upper
96 100
61 135.2 0.0 272.8
98 61.5 0.0 124.8

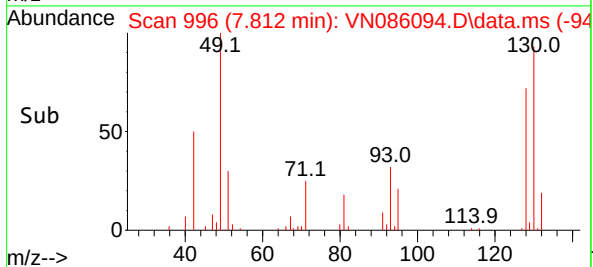
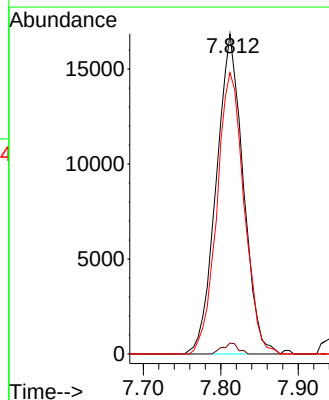
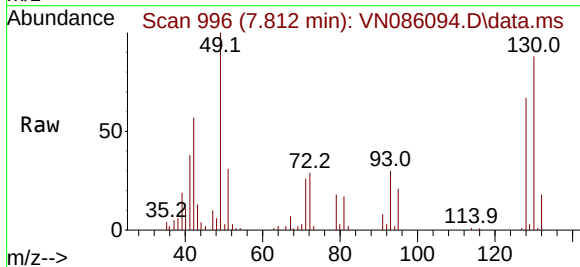
Manual Integrations
APPROVED

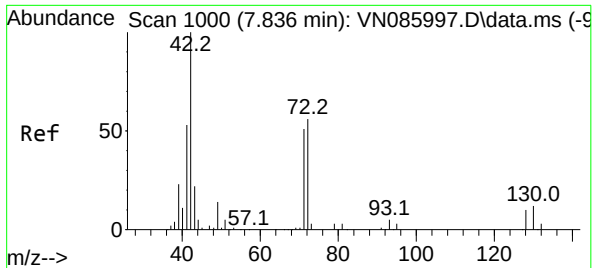
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#28
Bromochloromethane
Concen: 23.980 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion: 49 Resp: 40743
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.2
130 88.7 74.2 111.4





#29

Tetrahydrofuran

Concen: 120.665 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

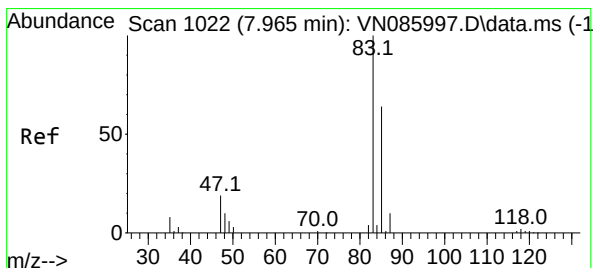
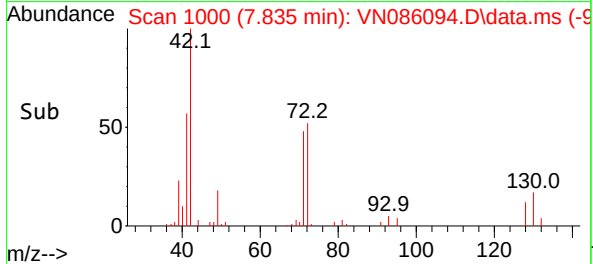
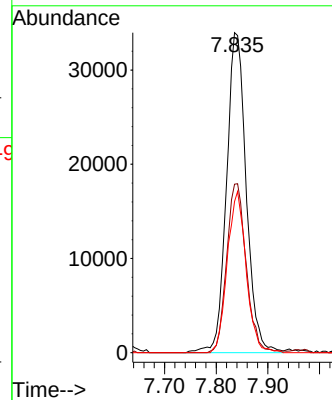
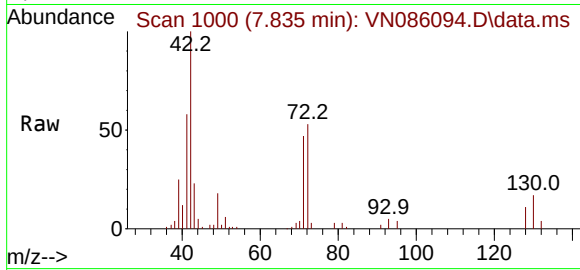
Tgt Ion:	42	Resp:	90039
Ion	Ratio	Lower	Upper
42	100		
72	52.4	45.0	67.4
71	48.1	41.9	62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#30

Chloroform

Concen: 20.369 ug/l

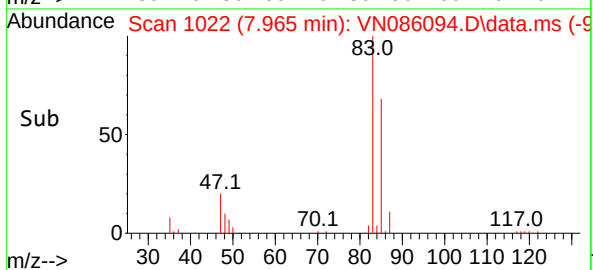
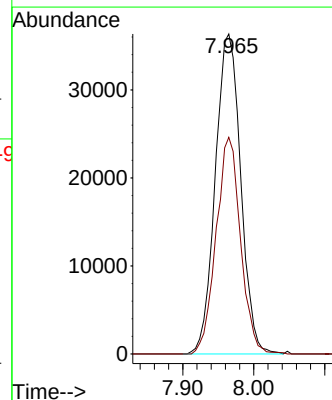
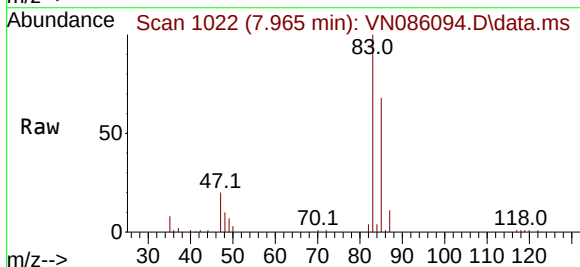
RT: 7.965 min Scan# 1022

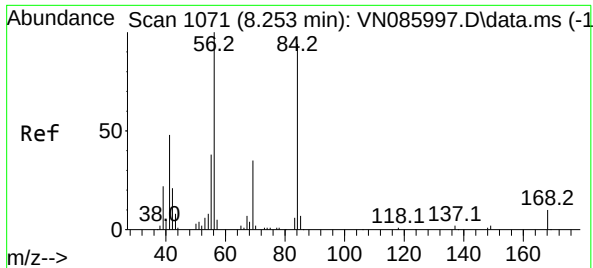
Delta R.T. -0.000 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

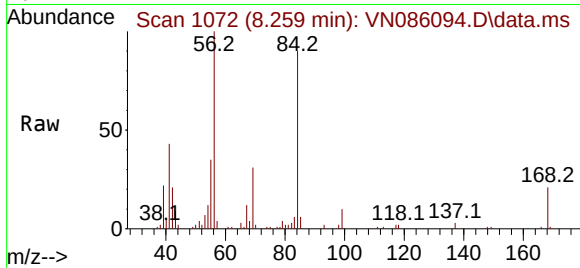
Tgt Ion:	83	Resp:	90288
Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.5	77.3





#31
Cyclohexane
Concen: 19.428 ug/l
RT: 8.259 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

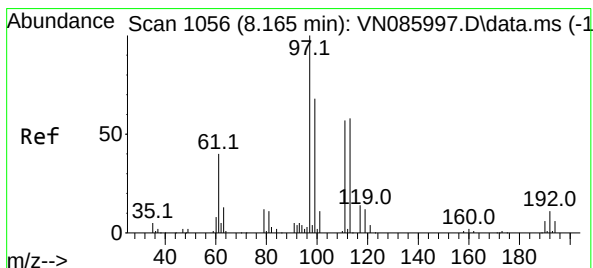
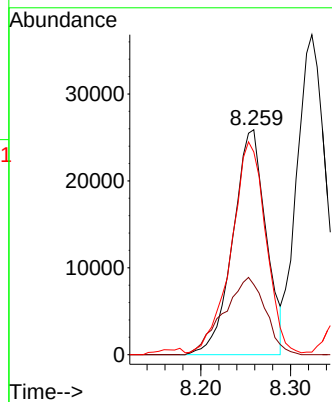
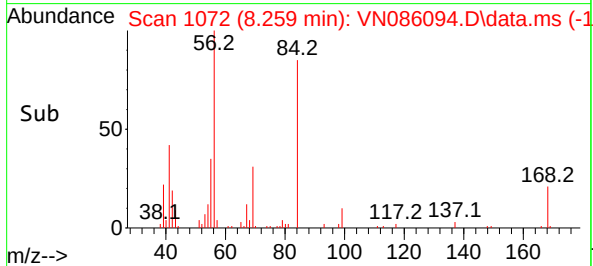
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion: 56 Resp: 6637
Ion Ratio Lower Upper
56 100
69 31.1 28.0 42.0
84 87.3 75.0 112.6

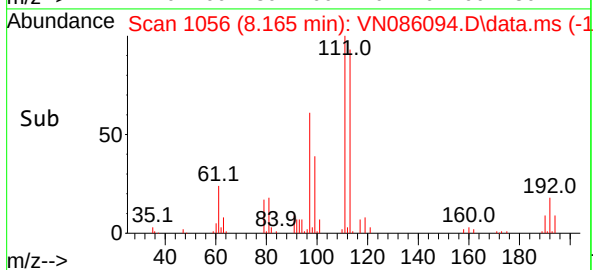
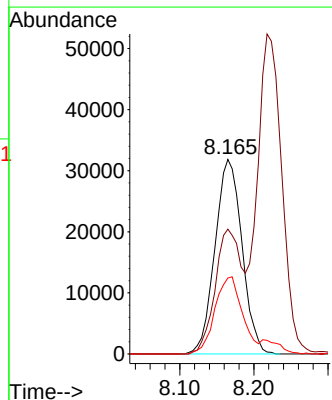
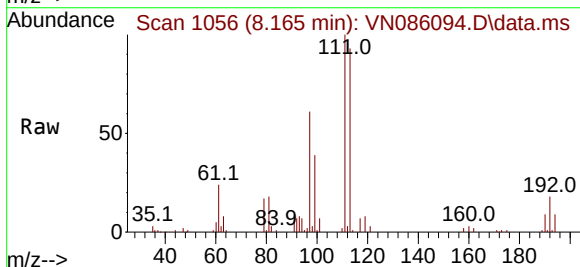
Manual Integrations
APPROVED

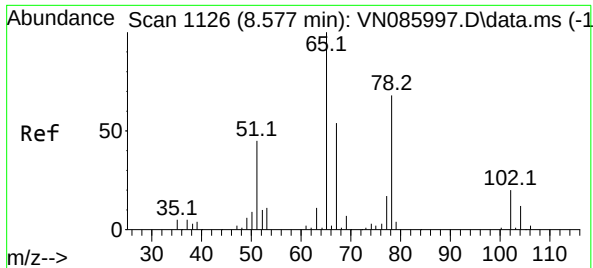
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#32
1,1,1-Trichloroethane
Concen: 19.215 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion: 97 Resp: 80624
Ion Ratio Lower Upper
97 100
99 63.1 52.8 79.2
61 40.3 33.6 50.4





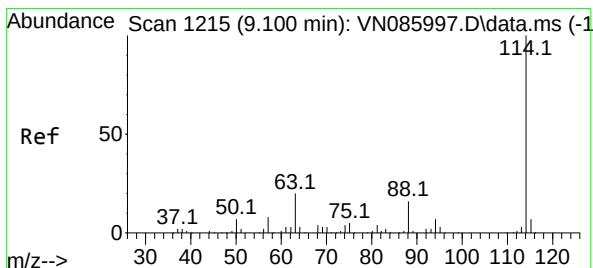
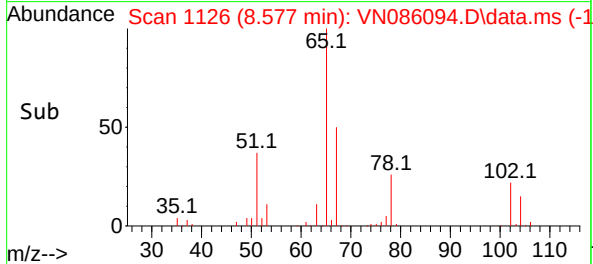
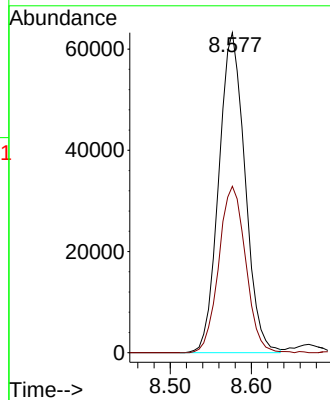
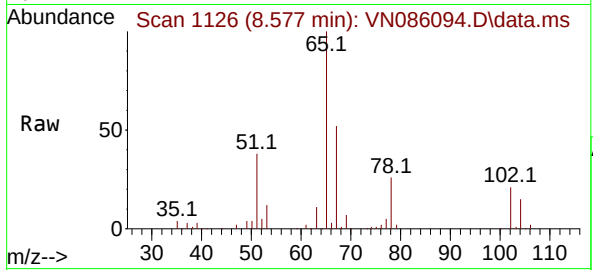
#33
1,2-Dichloroethane-d4
Concen: 51.791 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tgt Ion: 65 Resp: 14200
Ion Ratio Lower Upper
65 100
67 53.1 0.0 102.2

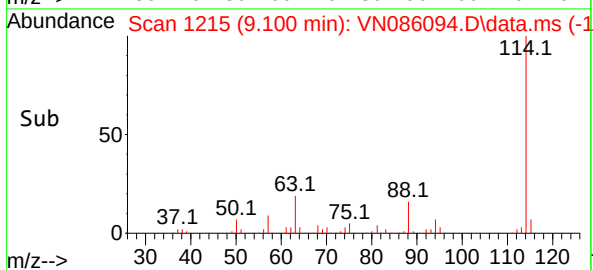
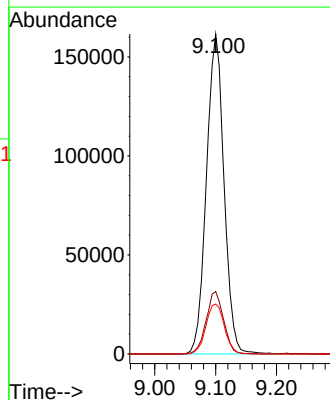
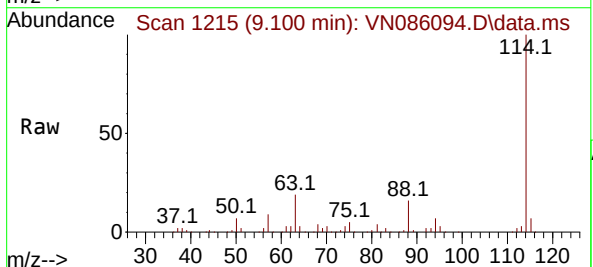
Manual Integrations
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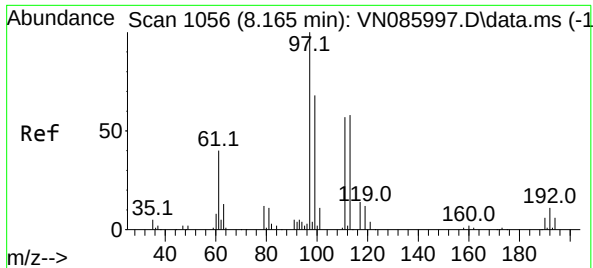
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion:114 Resp: 324541
Ion Ratio Lower Upper
114 100
63 19.5 0.0 39.6
88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.094 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tgt Ion:113 Resp: 12027

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

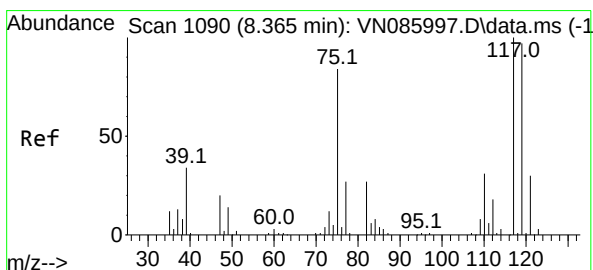
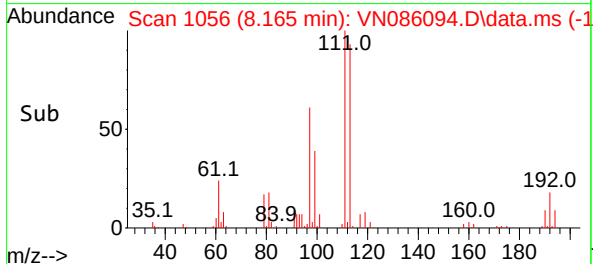
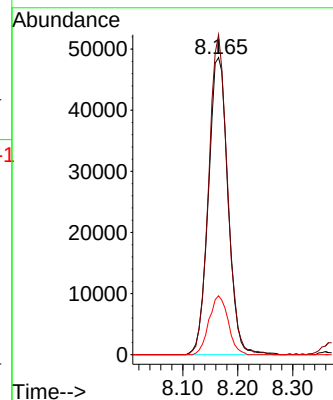
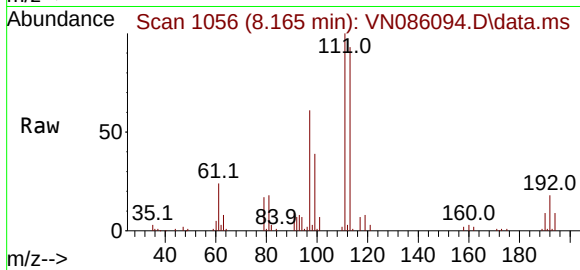
192 19.4 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#36

1,1-Dichloropropene

Concen: 19.813 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

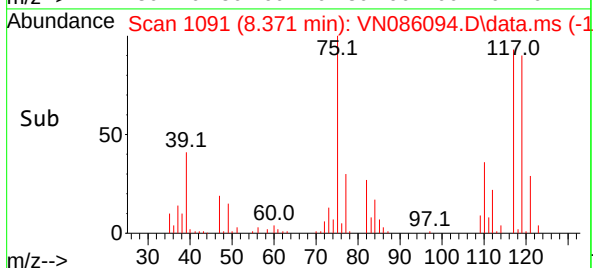
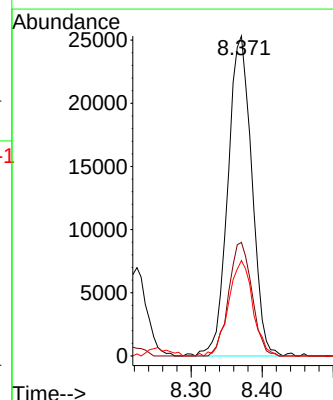
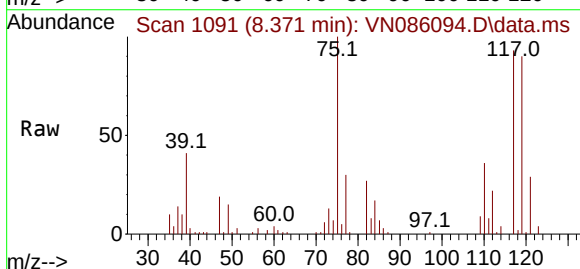
Tgt Ion: 75 Resp: 59099

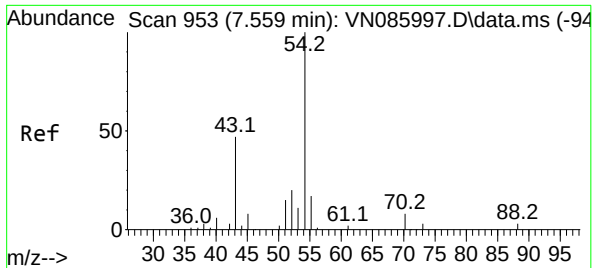
Ion Ratio Lower Upper

75 100

110 34.6 17.8 53.3

77 30.5 25.0 37.4





#37

Ethyl Acetate

Concen: 22.184 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

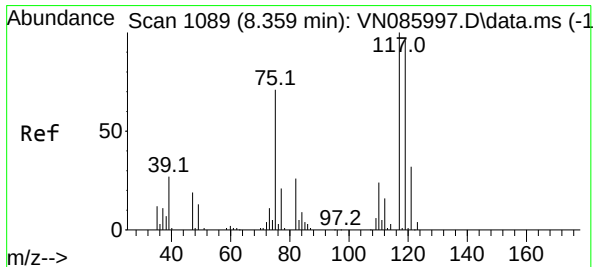
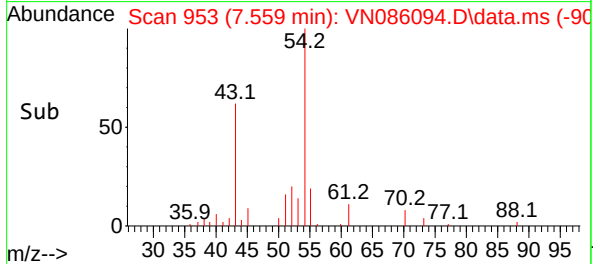
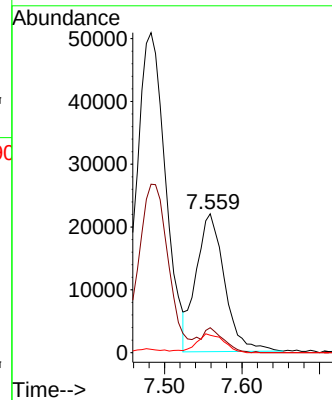
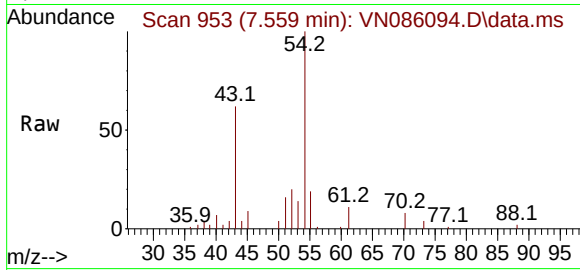
Tgt Ion:	43	Resp:	5582
Ion Ratio	Lower	Upper	
43	100		
61	15.0	13.0	19.4
70	13.2	11.0	16.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#38

Carbon Tetrachloride

Concen: 18.585 ug/l

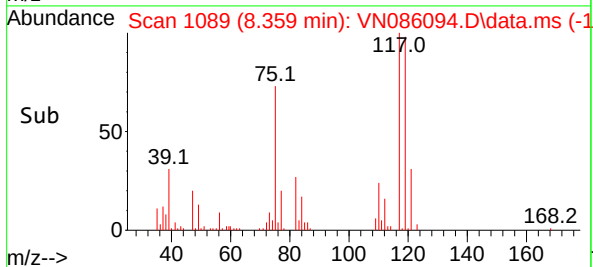
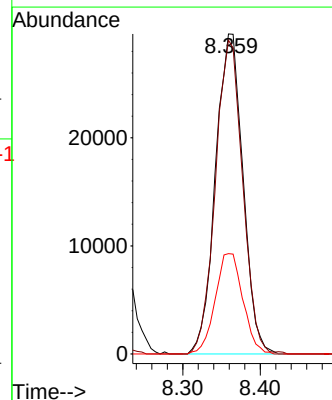
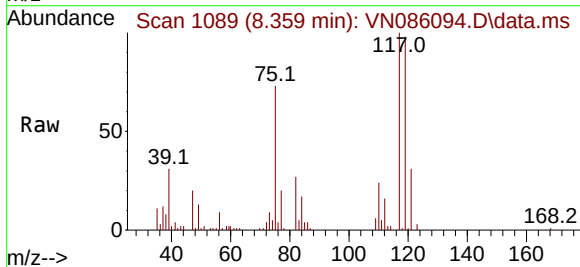
RT: 8.359 min Scan# 1089

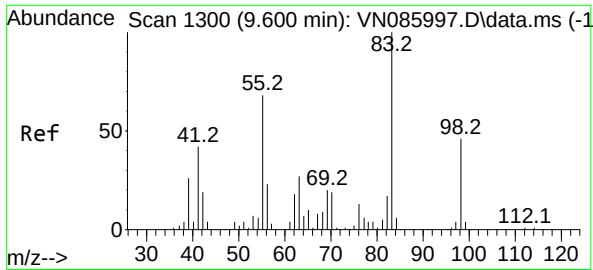
Delta R.T. -0.000 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Tgt Ion:	117	Resp:	72887
Ion Ratio	Lower	Upper	
117	100		
119	98.0	77.0	115.4
121	31.3	25.6	38.4





#39

Methylcyclohexane

Concen: 18.900 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tgt Ion: 83 Resp: 5593

Ion Ratio Lower Upper

83 100

55 68.5 54.2 81.2

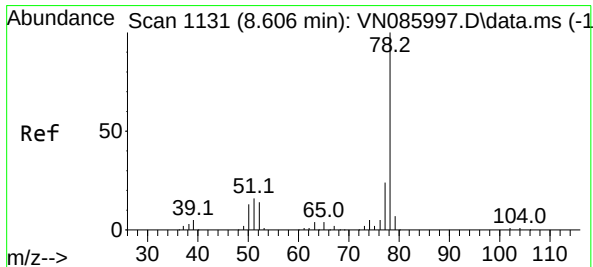
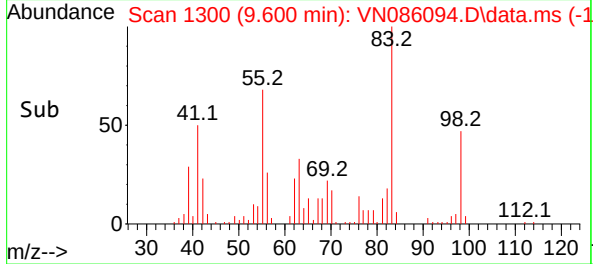
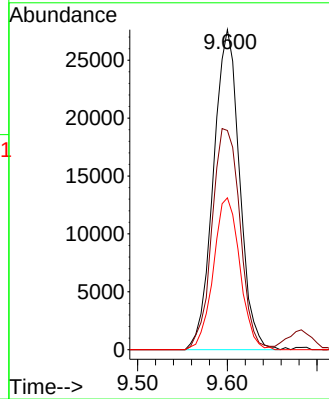
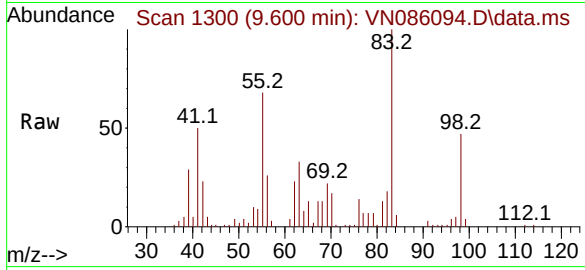
98 47.4 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#40

Benzene

Concen: 20.760 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN086094.D

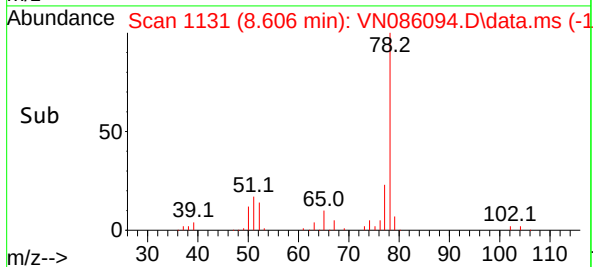
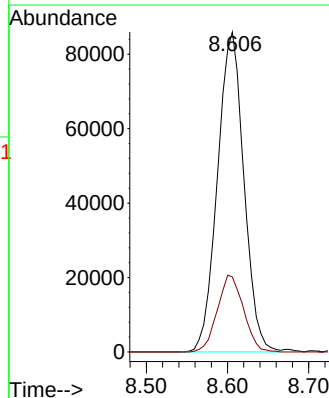
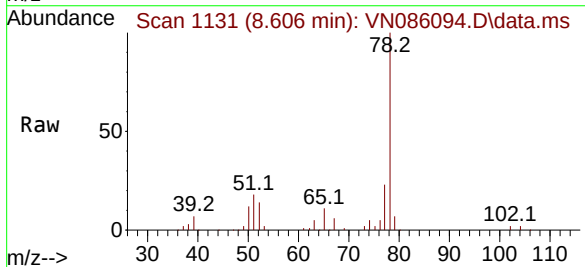
Acq: 25 Mar 2025 12:39

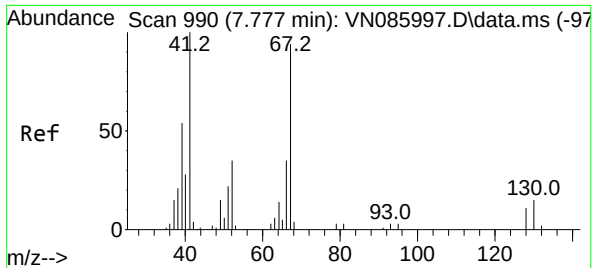
Tgt Ion: 78 Resp: 194385

Ion Ratio Lower Upper

78 100

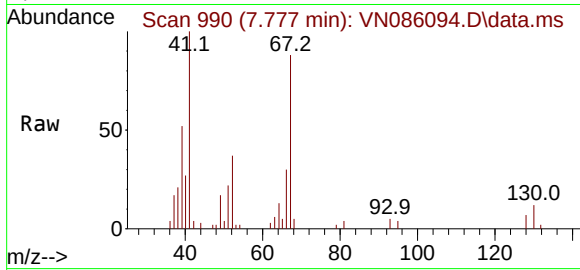
77 23.5 18.9 28.3





#41
Methacrylonitrile
Concen: 23.951 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

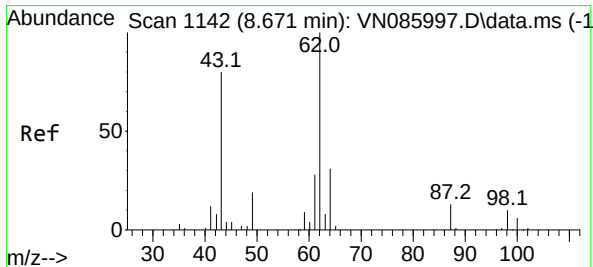
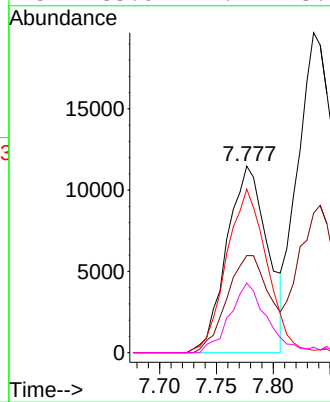
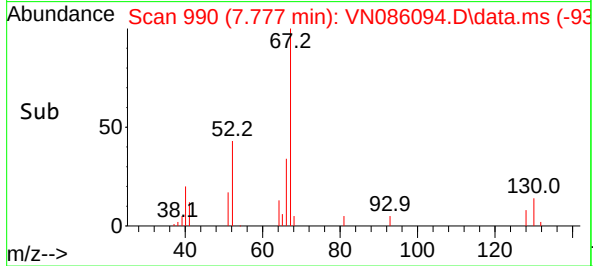
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion: 41 Resp: 28779
Ion Ratio Lower Upper
41 100
39 53.8 46.2 69.2
67 87.3 75.9 113.9
52 33.6 29.2 43.8

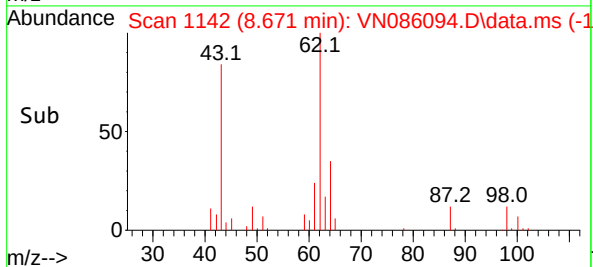
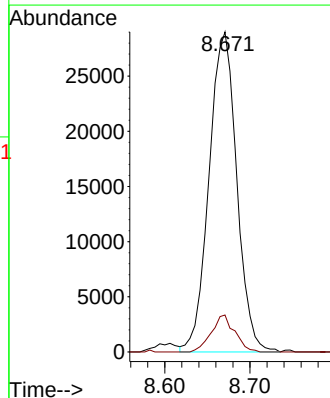
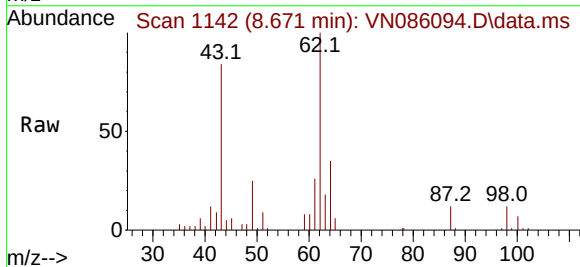
Manual Integrations
APPROVED

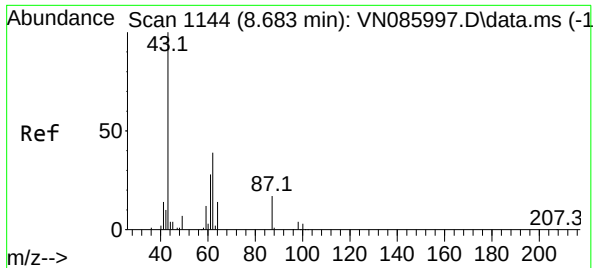
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#42
1,2-Dichloroethane
Concen: 20.130 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

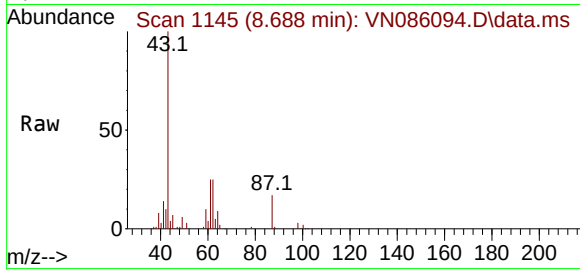
Tgt Ion: 62 Resp: 65677
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.6





#43
Isopropyl Acetate
Concen: 17.270 ug/l
RT: 8.688 min Scan# 1144
Delta R.T. 0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

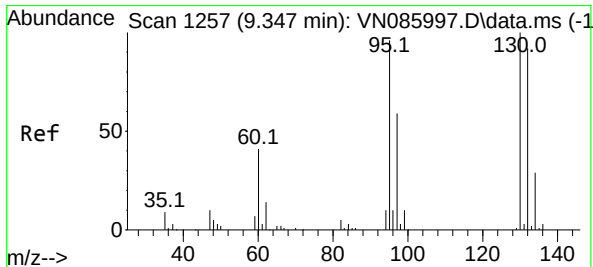
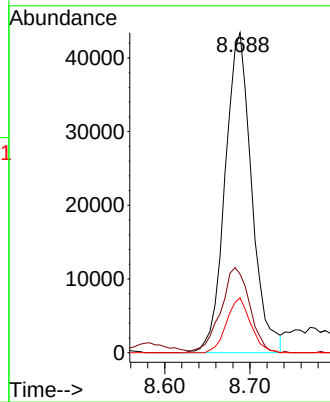
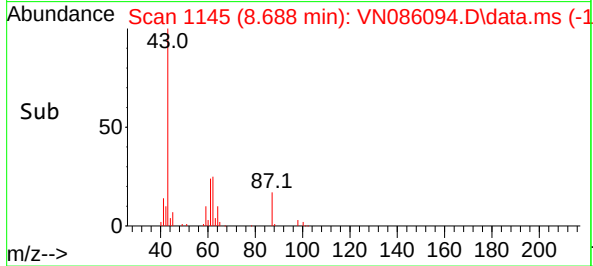
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion: 43 Resp: 9417
Ion Ratio Lower Upper
43 100
61 28.8 25.0 37.6
87 15.5 13.0 19.4

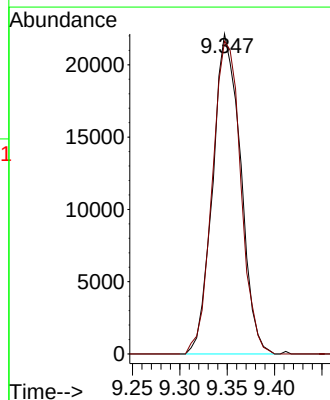
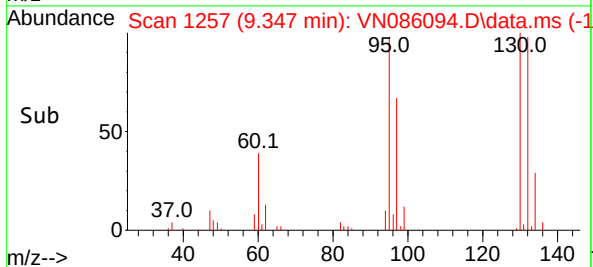
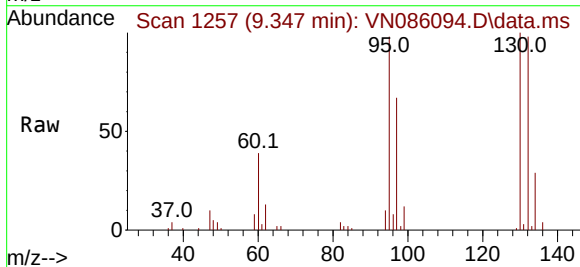
Manual Integrations
APPROVED

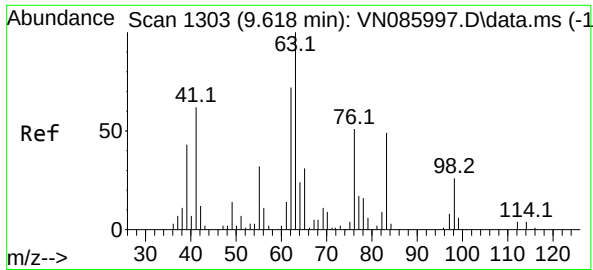
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#44
Trichloroethene
Concen: 18.666 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion:130 Resp: 45300
Ion Ratio Lower Upper
130 100
95 97.8 0.0 191.6





#45

1,2-Dichloropropane

Concen: 22.769 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tgt Ion: 63 Resp: 4849

Ion Ratio Lower Upper

63 100

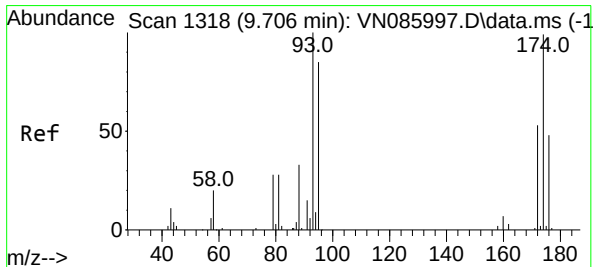
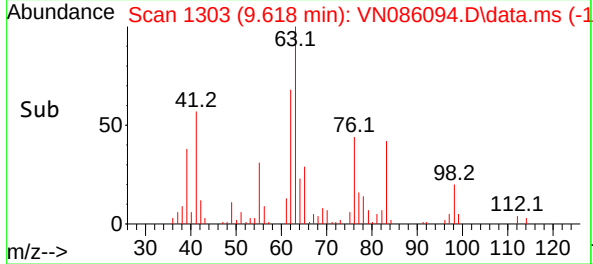
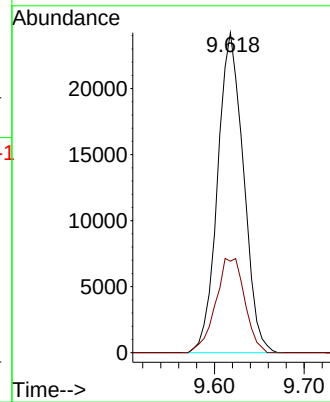
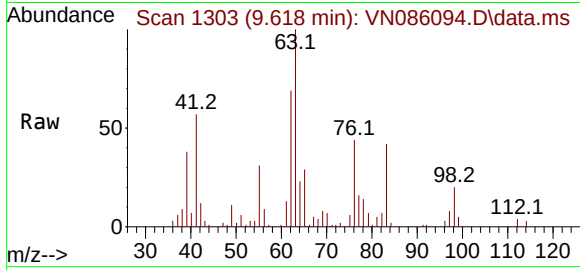
65 28.6 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#46

Dibromomethane

Concen: 20.742 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

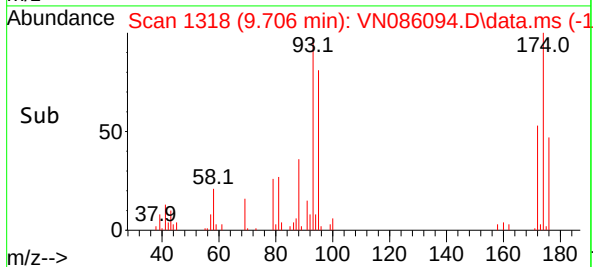
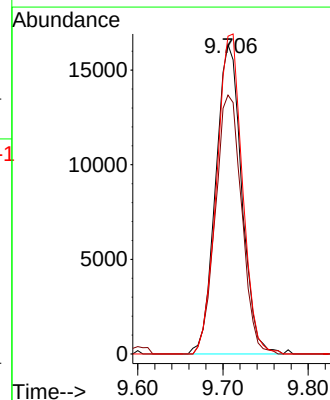
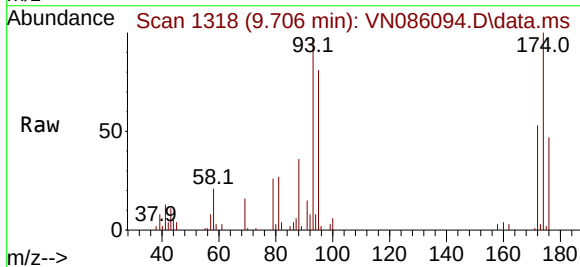
Tgt Ion: 93 Resp: 34741

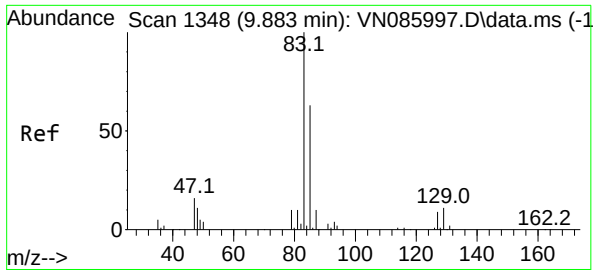
Ion Ratio Lower Upper

93 100

95 84.4 66.2 99.2

174 101.7 80.1 120.1





#47

Bromodichloromethane

Concen: 20.719 ug/l

RT: 9.888 min Scan# 1348

Delta R.T. 0.006 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

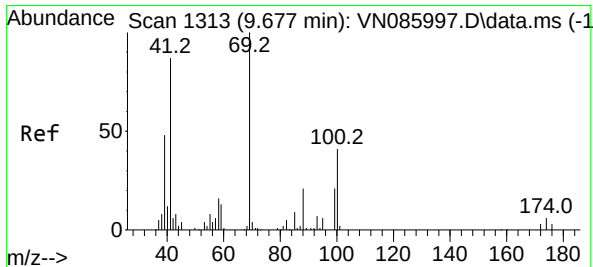
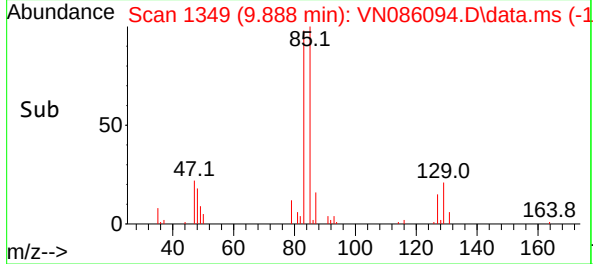
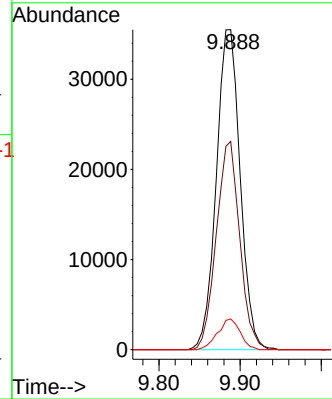
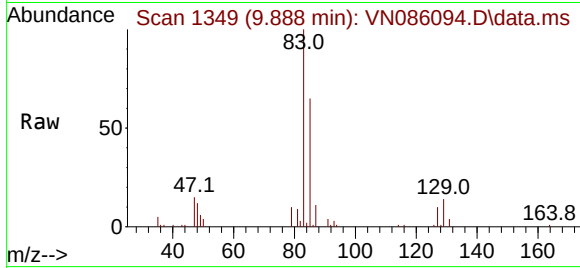
Tgt Ion: 83	Resp: 72524
Ion Ratio	Lower Upper
83 100	
85 65.1	50.2 75.2
127 9.6	7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#48

Methyl methacrylate

Concen: 21.864 ug/l

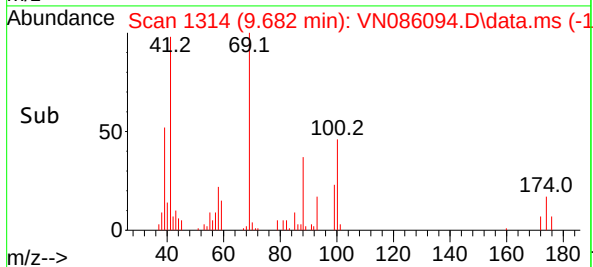
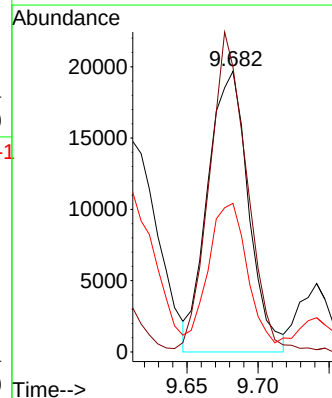
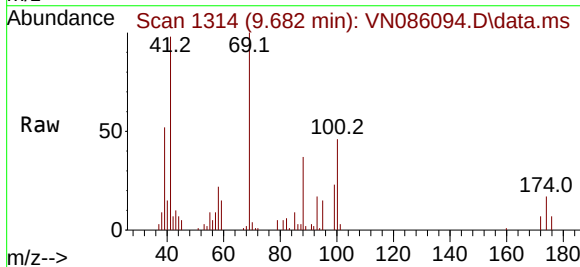
RT: 9.682 min Scan# 1314

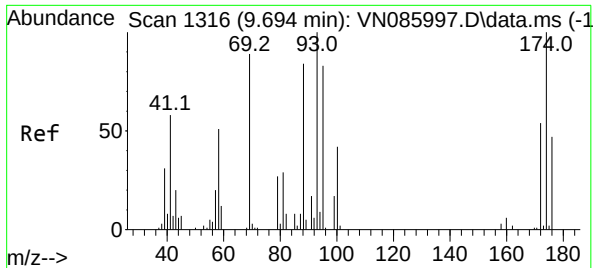
Delta R.T. 0.006 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Tgt Ion: 41	Resp: 39343
Ion Ratio	Lower Upper
41 100	
69 105.3	83.1 124.7
39 52.0	45.6 68.4





#49

1,4-Dioxane

Concen: 455.133 ug/l

RT: 9.688 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tgt Ion: 88 Resp: 19360

Ion Ratio Lower Upper

88 100

43 21.9 21.7 32.5

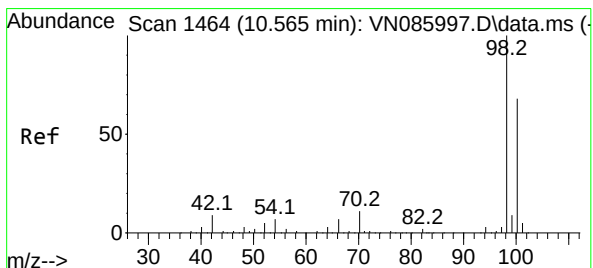
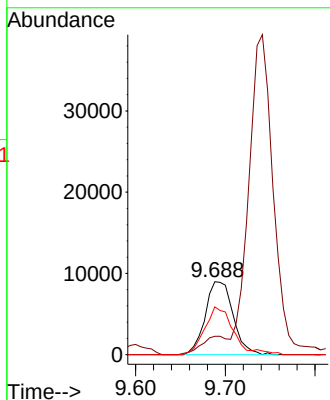
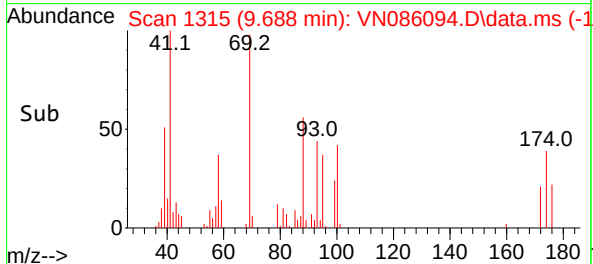
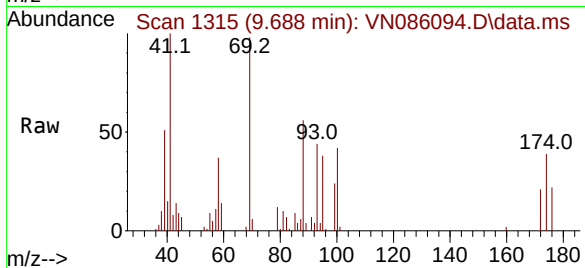
58 67.7 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#50

Toluene-d8

Concen: 53.864 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086094.D

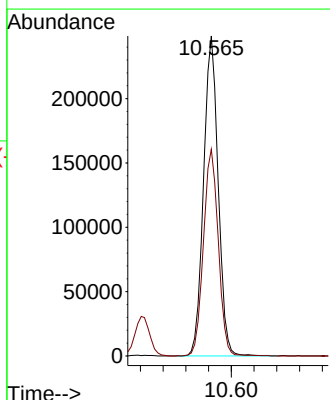
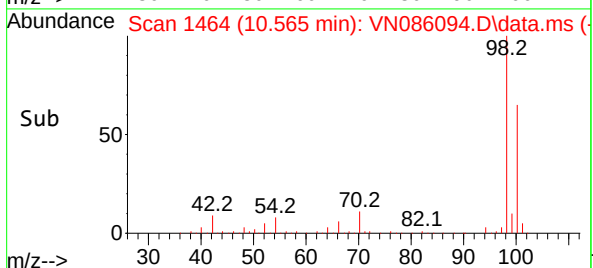
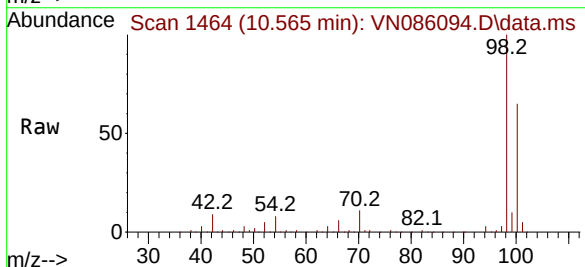
Acq: 25 Mar 2025 12:39

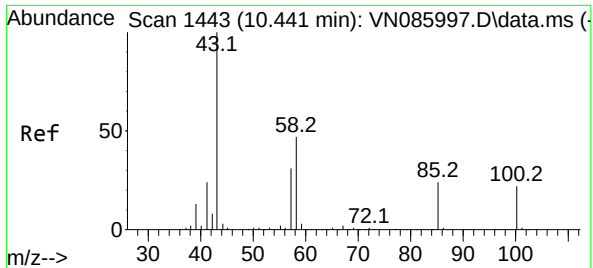
Tgt Ion: 98 Resp: 442829

Ion Ratio Lower Upper

98 100

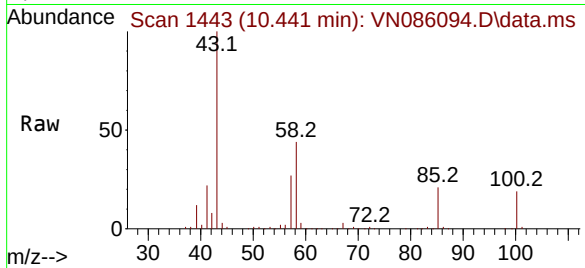
100 65.7 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 118.550 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

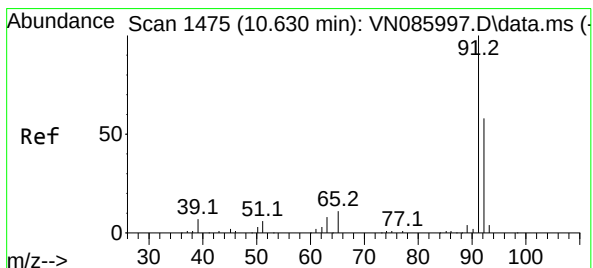
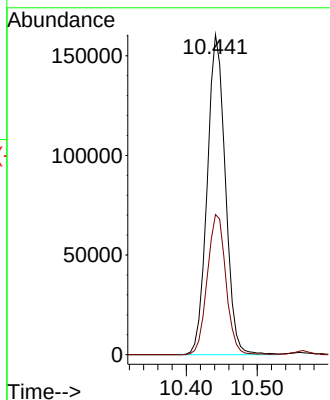
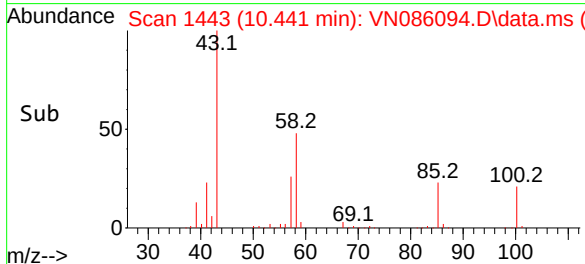
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



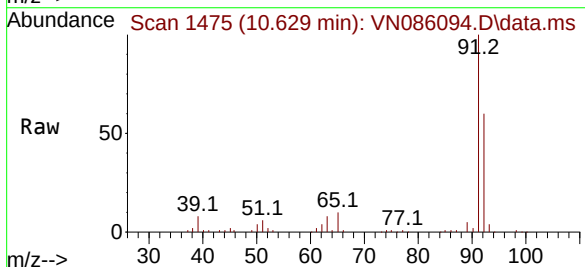
Tgt Ion: 43 Resp: 285090
Ion Ratio Lower Upper
43 100
58 45.0 37.4 56.0

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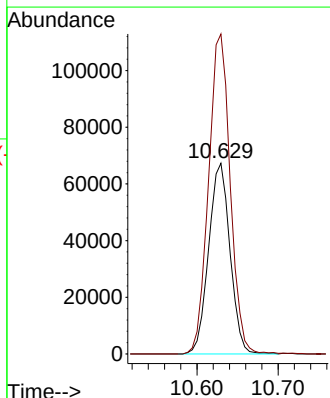
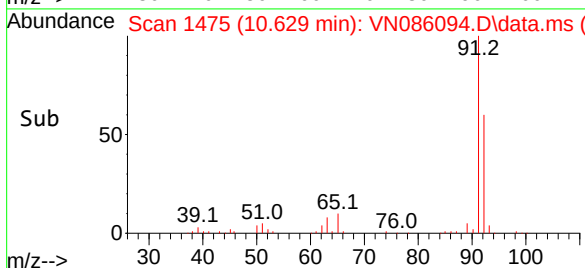
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

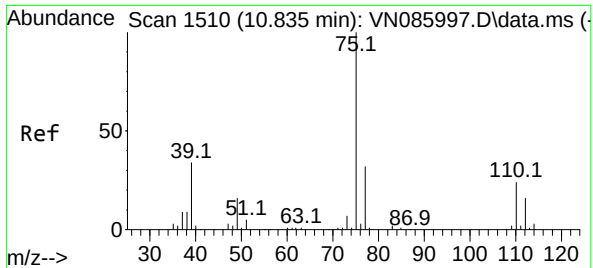


#52
Toluene
Concen: 21.417 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39



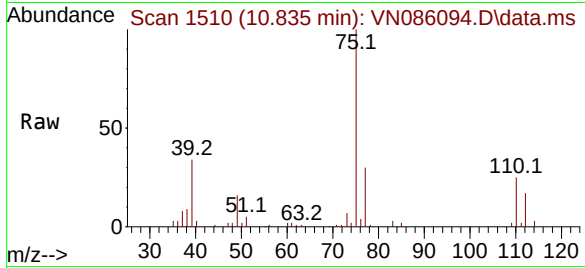
Tgt Ion: 92 Resp: 123085
Ion Ratio Lower Upper
92 100
91 170.1 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 20.607 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

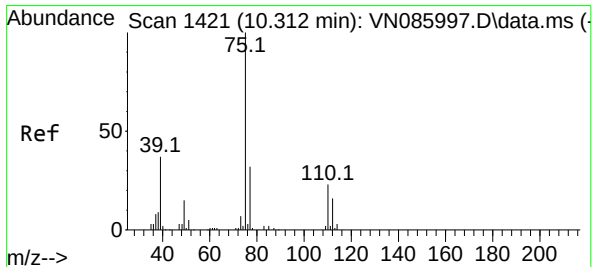
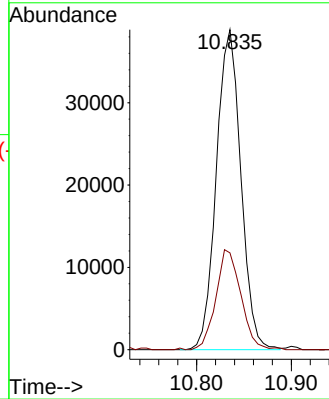
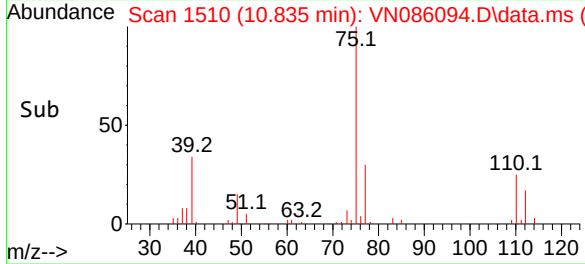
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



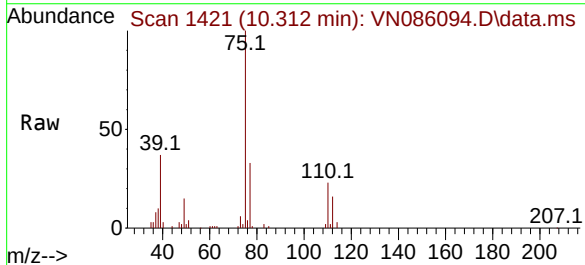
Tgt Ion: 75 Resp: 70052
Ion Ratio Lower Upper
75 100
77 29.8 25.3 37.9

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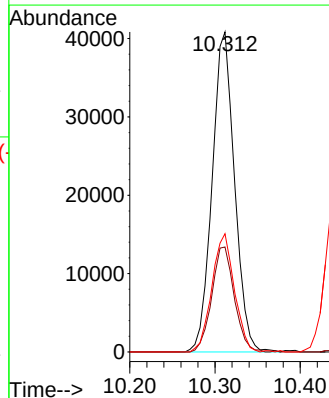
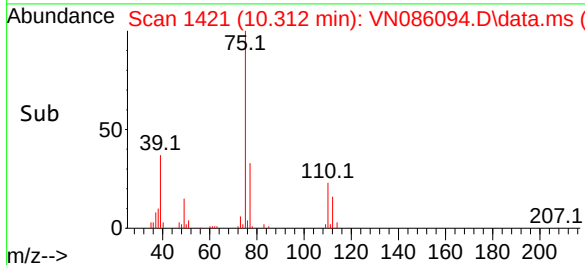
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

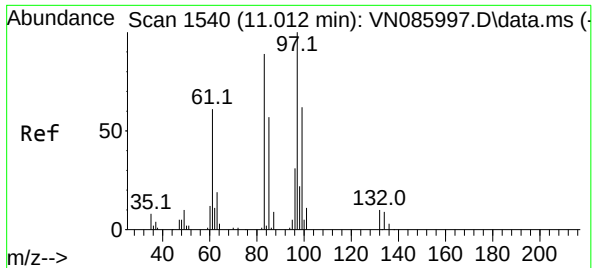


#54
cis-1,3-Dichloropropene
Concen: 20.799 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39



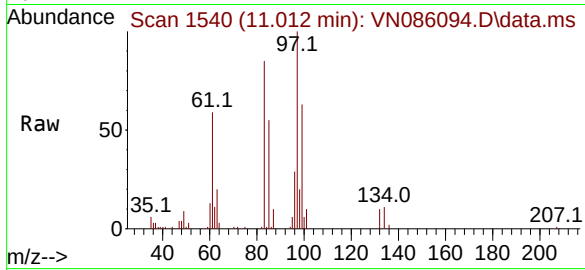
Tgt Ion: 75 Resp: 74599
Ion Ratio Lower Upper
75 100
77 32.8 25.3 37.9
39 37.0 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 21.904 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

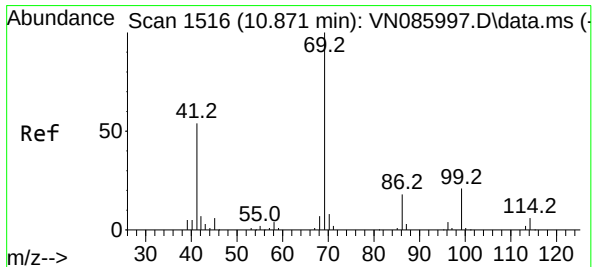
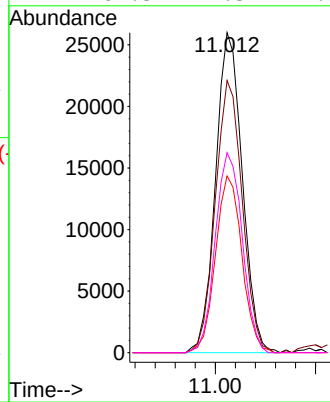
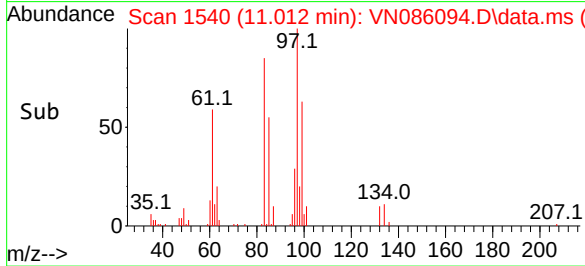
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion: 97 Resp: 48040
Ion Ratio Lower Upper
97 100
83 85.0 71.2 106.8
85 55.3 45.4 68.0
99 62.5 49.5 74.3

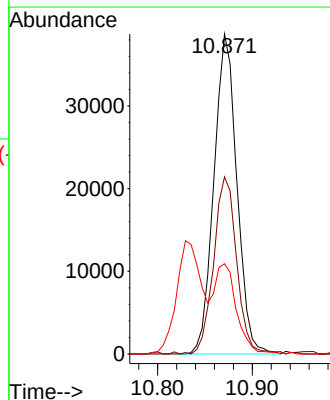
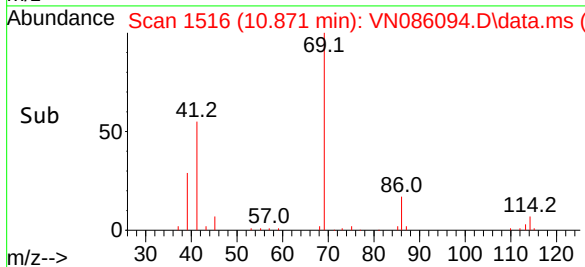
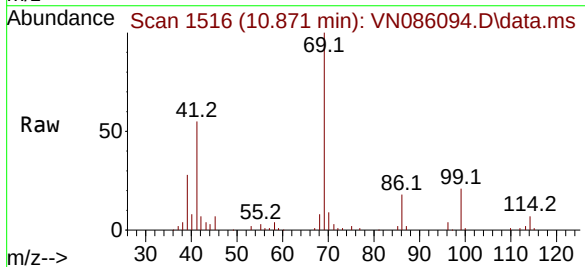
Manual Integrations
APPROVED

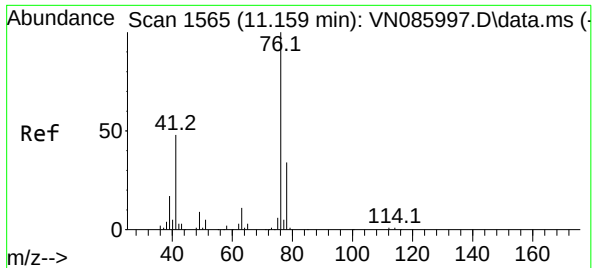
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#56
Ethyl methacrylate
Concen: 21.540 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion: 69 Resp: 65070
Ion Ratio Lower Upper
69 100
41 55.6 41.6 62.4
39 27.9 21.8 32.8





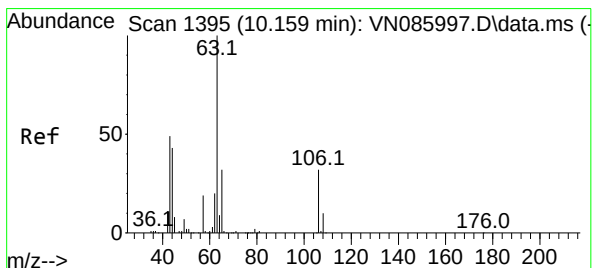
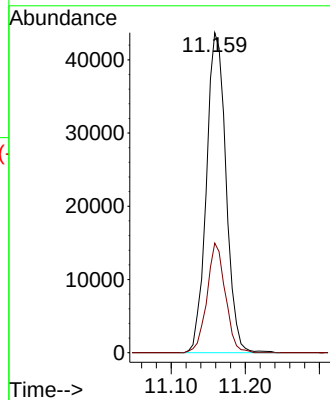
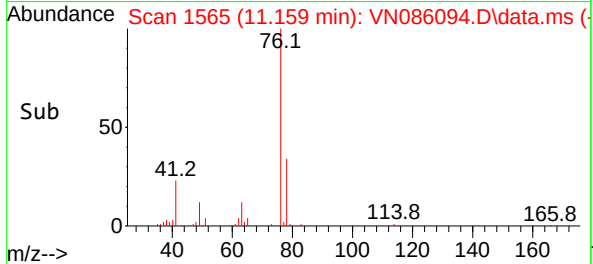
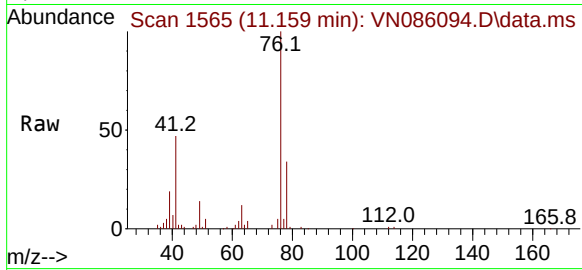
#57
1,3-Dichloropropane
Concen: 21.545 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tgt Ion: 76 Resp: 8026
Ion Ratio Lower Upper
76 100
78 32.0 25.8 38.6

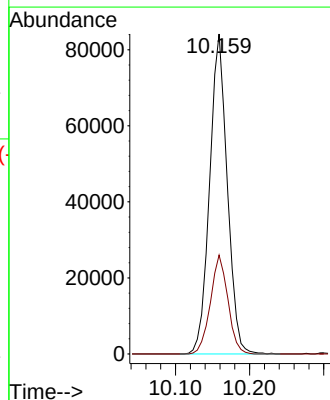
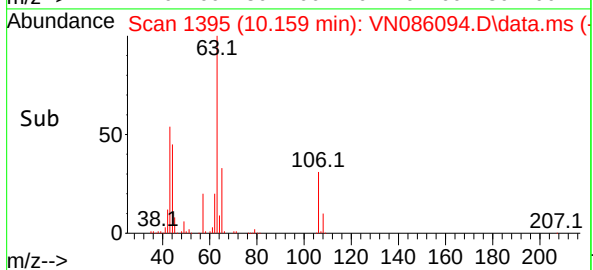
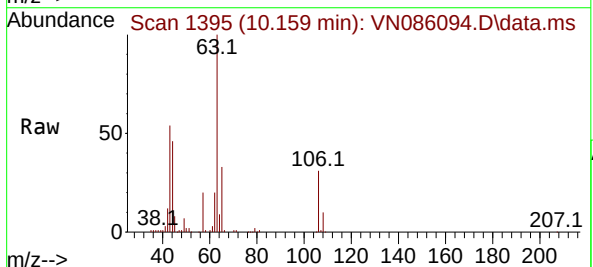
Manual Integrations
APPROVED

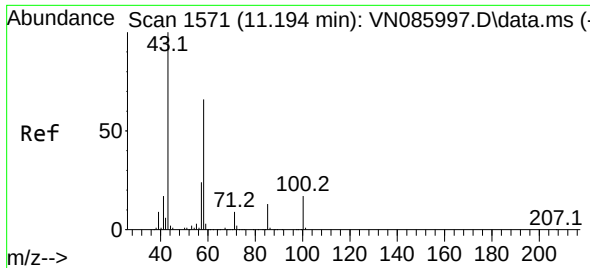
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#58
2-Chloroethyl Vinyl ether
Concen: 119.962 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

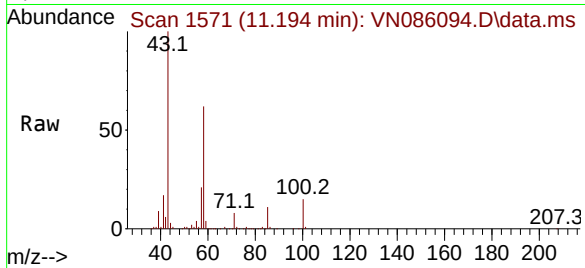
Tgt Ion: 63 Resp: 138859
Ion Ratio Lower Upper
63 100
106 30.6 25.0 37.6





#59
2-Hexanone
Concen: 115.583 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

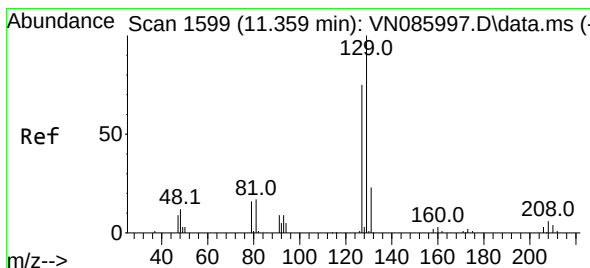
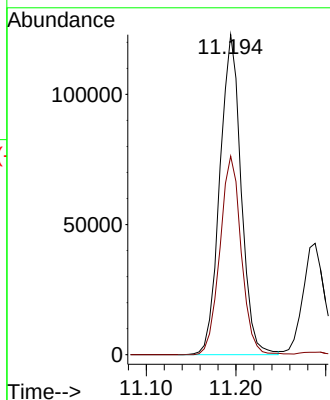
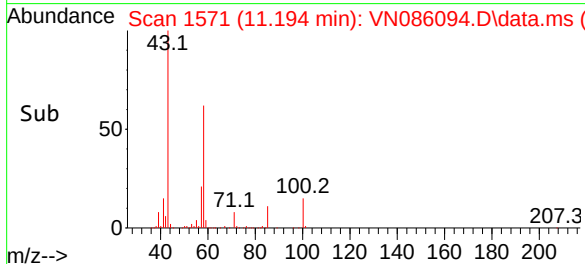
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion: 43 Resp: 202492
Ion Ratio Lower Upper
43 100
58 62.0 32.4 97.2

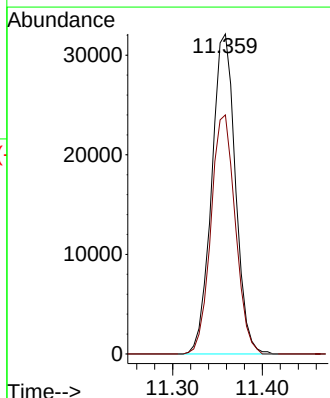
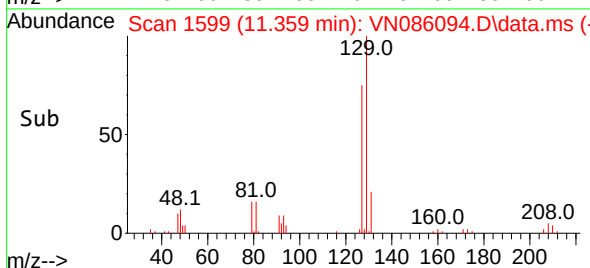
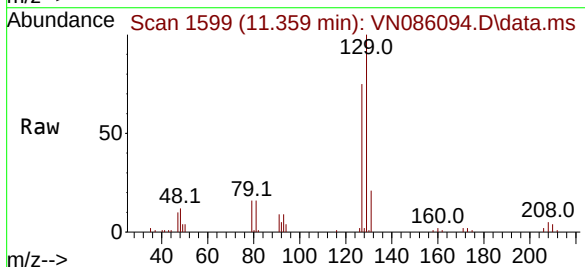
Manual Integrations
APPROVED

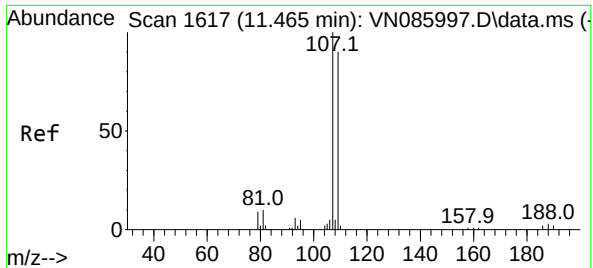
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#60
Dibromochloromethane
Concen: 20.837 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

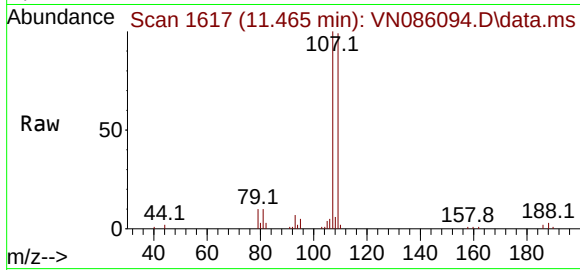
Tgt Ion:129 Resp: 58978
Ion Ratio Lower Upper
129 100
127 76.6 37.8 113.4





#61
1,2-Dibromoethane
Concen: 20.866 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

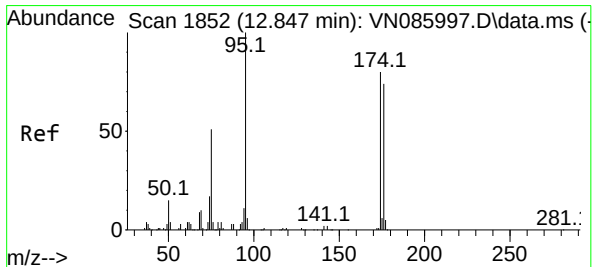
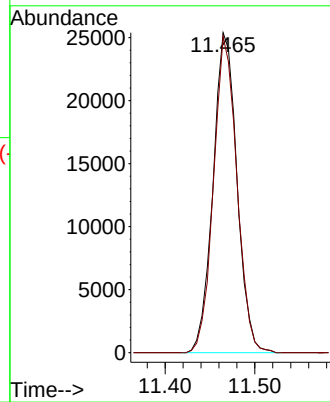
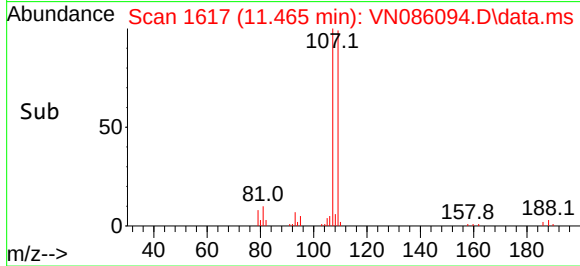
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



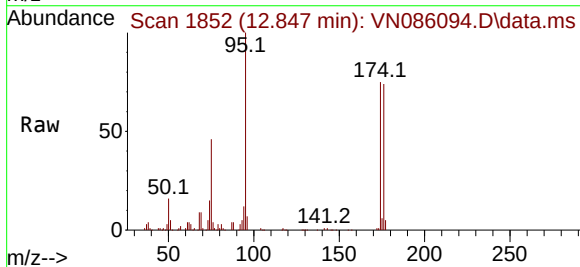
Tgt Ion:107 Resp: 46988
Ion Ratio Lower Upper
107 100
109 96.6 73.3 109.9

Manual Integrations
APPROVED

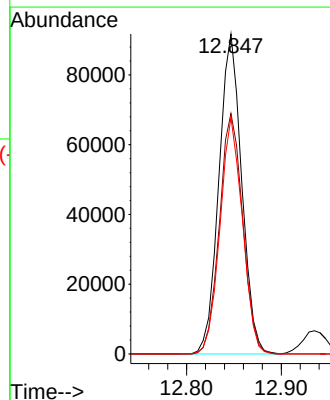
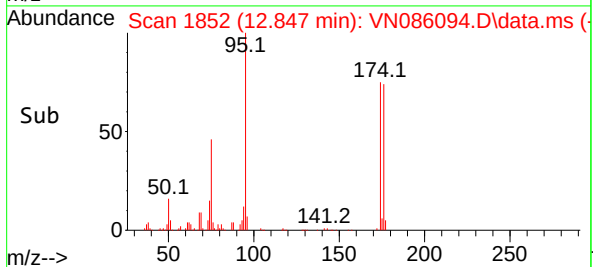
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

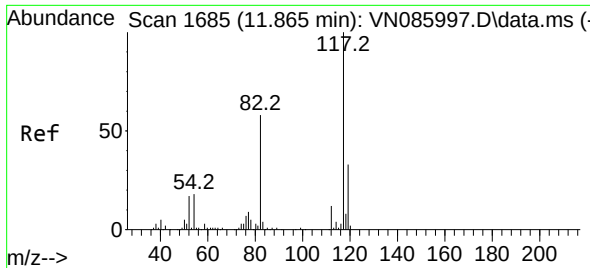


#62
4-Bromofluorobenzene
Concen: 52.228 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39



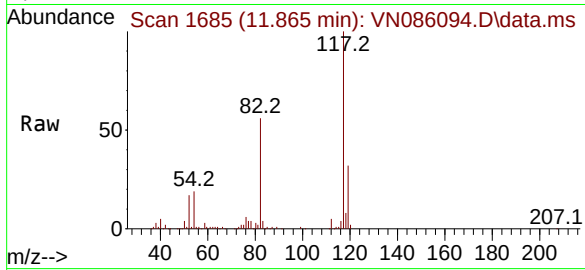
Tgt Ion: 95 Resp: 153130
Ion Ratio Lower Upper
95 100
174 77.0 0.0 156.8
176 72.8 0.0 152.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

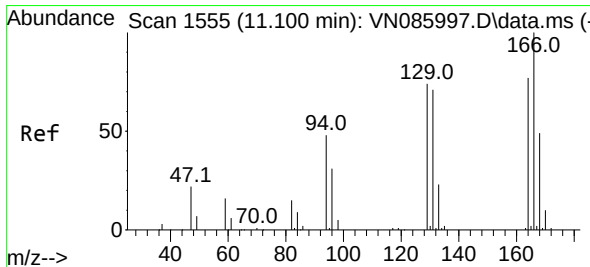
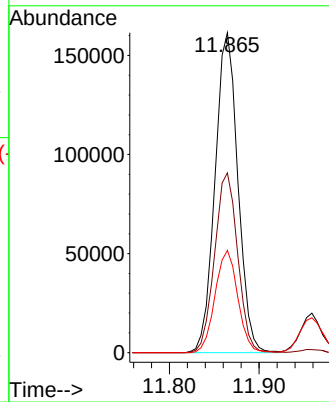
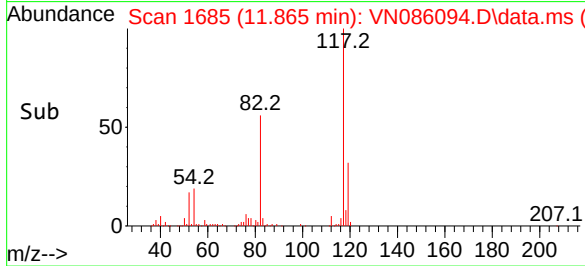
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion:117 Resp: 28601
Ion Ratio Lower Upper
117 100
82 56.2 46.7 70.1
119 32.0 26.5 39.7

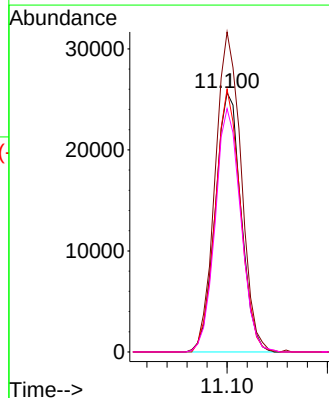
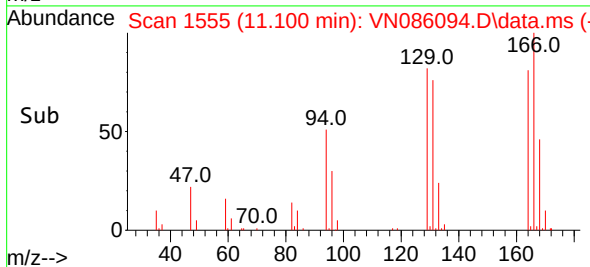
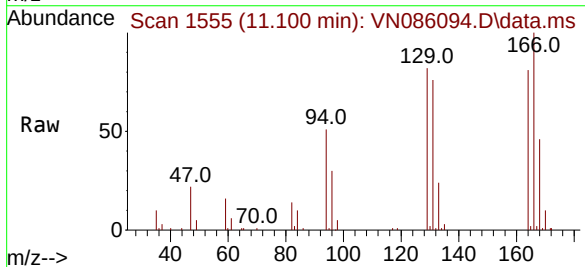
Manual Integrations
APPROVED

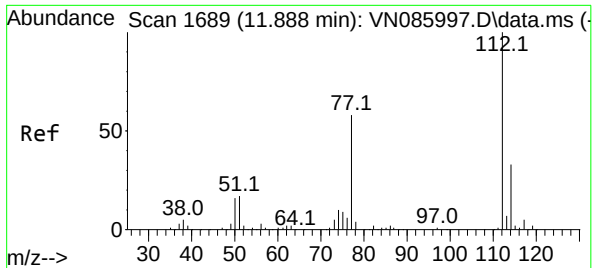
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#64
Tetrachloroethene
Concen: 20.089 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

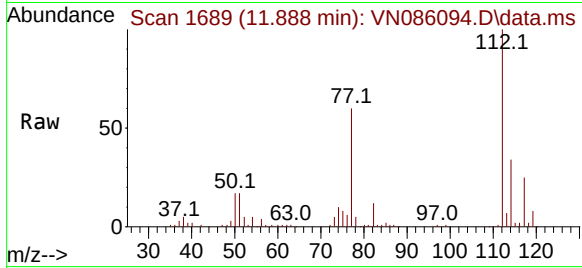
Tgt Ion:164 Resp: 45834
Ion Ratio Lower Upper
164 100
166 123.4 103.7 155.5
129 101.3 77.1 115.7
131 93.8 73.3 109.9





#65
Chlorobenzene
Concen: 19.900 ug/l
RT: 11.888 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

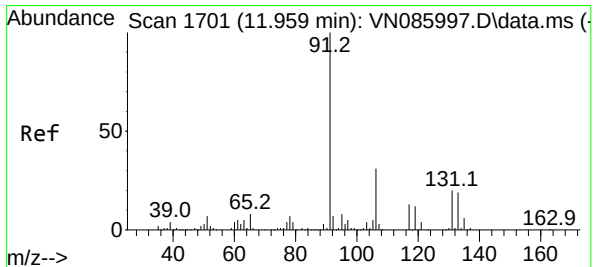
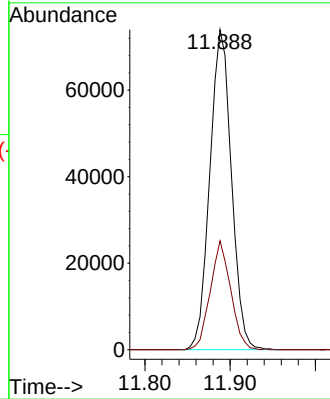
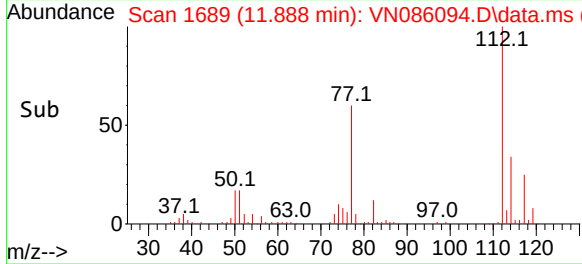
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion:112 Resp: 13024
Ion Ratio Lower Upper
112 100
114 34.0 26.3 39.5

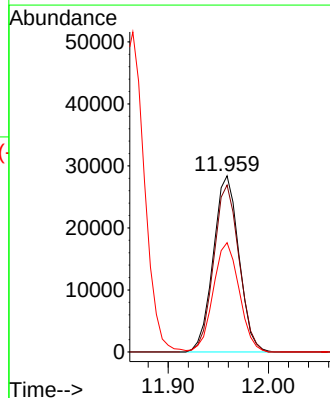
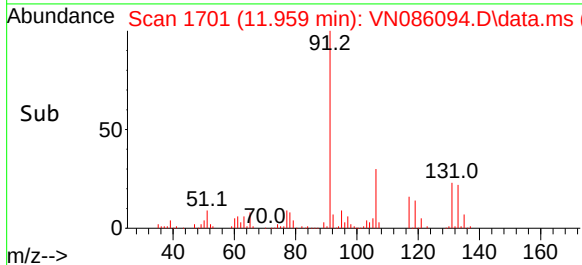
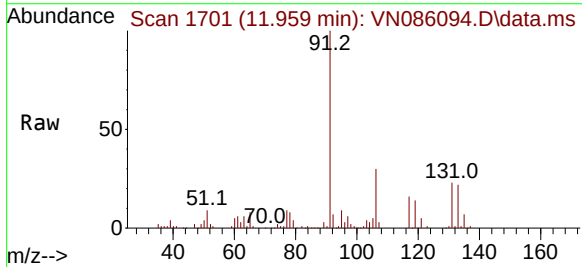
Manual Integrations
APPROVED

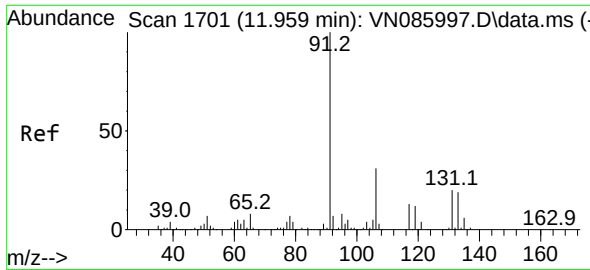
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.781 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

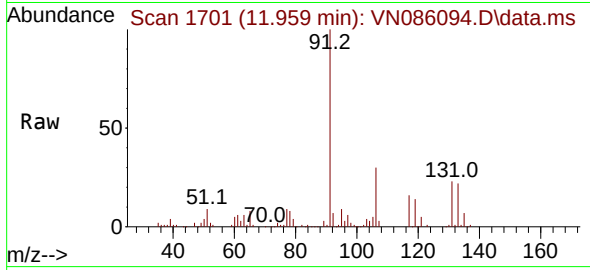
Tgt Ion:131 Resp: 50560
Ion Ratio Lower Upper
131 100
133 93.8 47.0 141.0
119 62.9 31.4 94.0





#67
Ethyl Benzene
Concen: 20.064 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

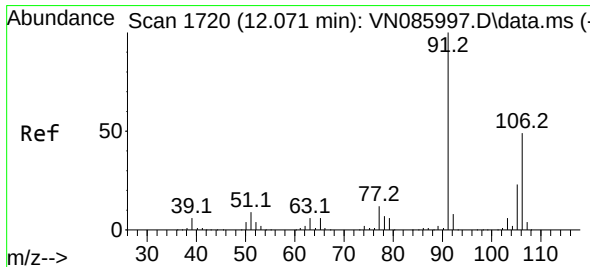
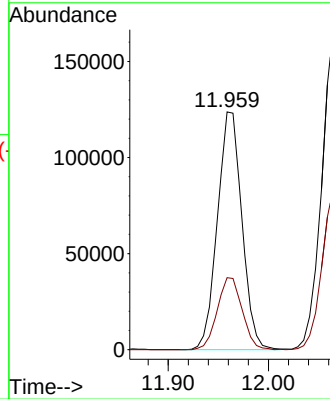
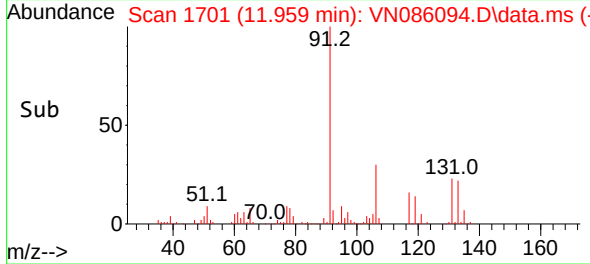
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion: 91 Resp: 21052
Ion Ratio Lower Upper
91 100
106 30.3 24.5 36.7

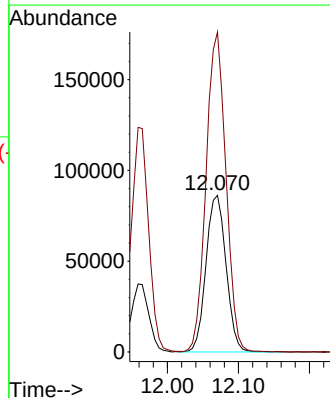
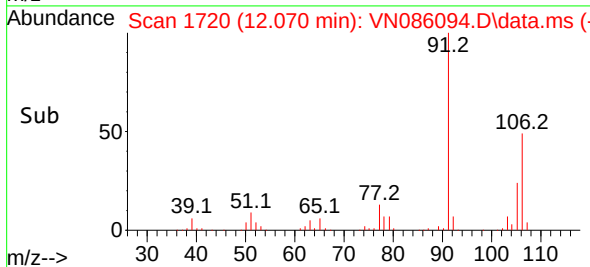
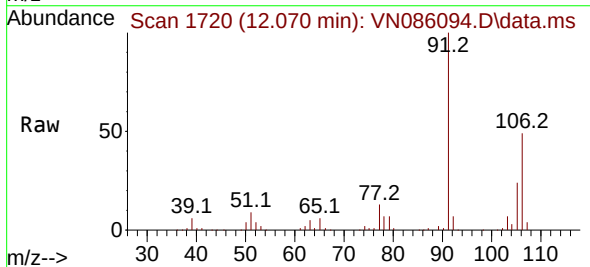
Manual Integrations
APPROVED

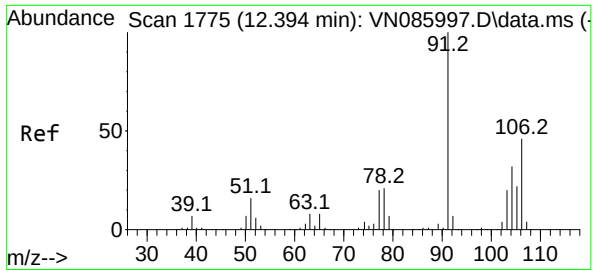
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#68
m/p-Xylenes
Concen: 41.132 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion:106 Resp: 169254
Ion Ratio Lower Upper
106 100
91 202.4 163.9 245.9





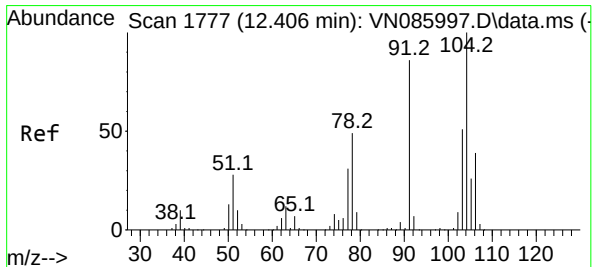
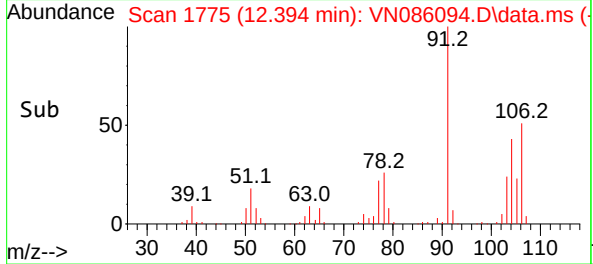
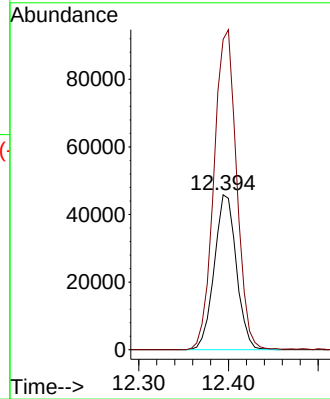
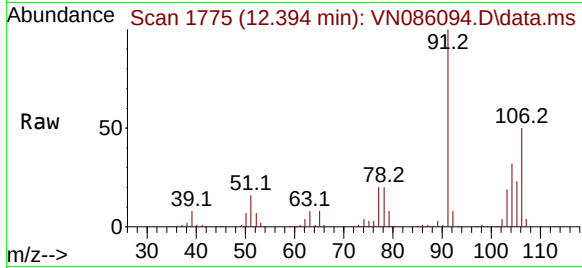
#69
o-Xylene
Concen: 20.766 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tgt Ion:106 Resp: 7842
Ion Ratio Lower Upper
106 100
91 211.7 109.1 327.2

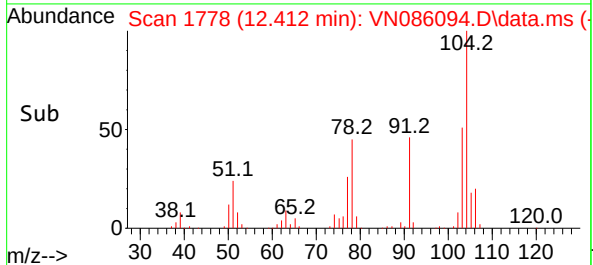
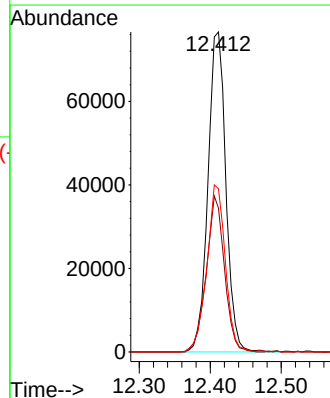
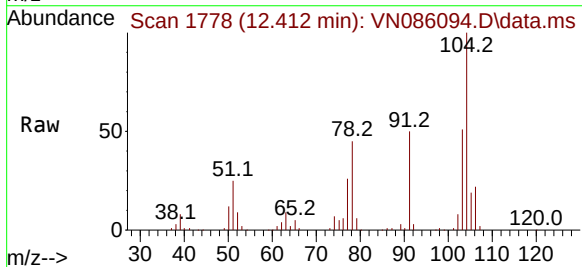
Manual Integrations
APPROVED

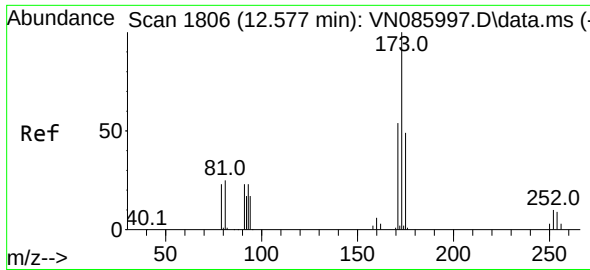
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#70
Styrene
Concen: 20.837 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

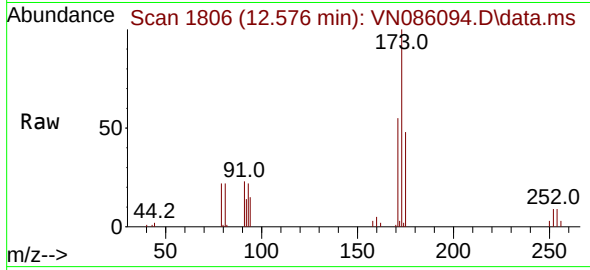
Tgt Ion:104 Resp: 134416
Ion Ratio Lower Upper
104 100
78 49.4 41.4 62.2
103 54.0 42.9 64.3





#71
Bromoform
Concen: 20.149 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

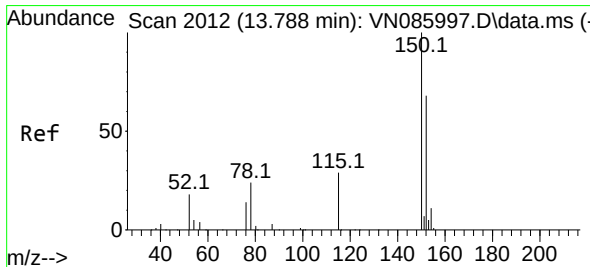
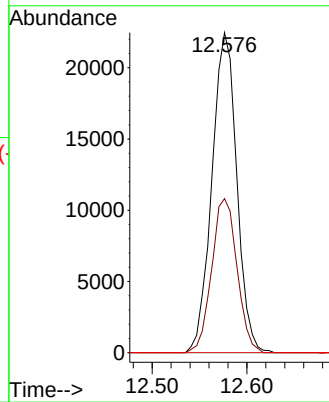
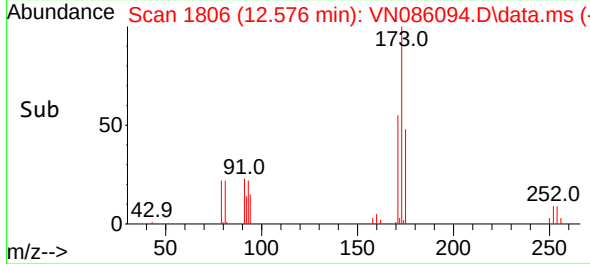
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



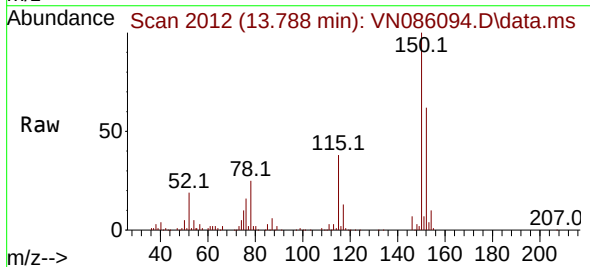
Tgt Ion:173 Resp: 40980
Ion Ratio Lower Upper
173 100
175 49.0 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

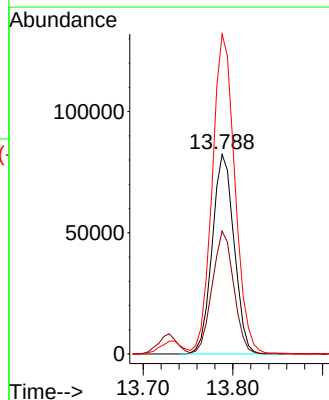
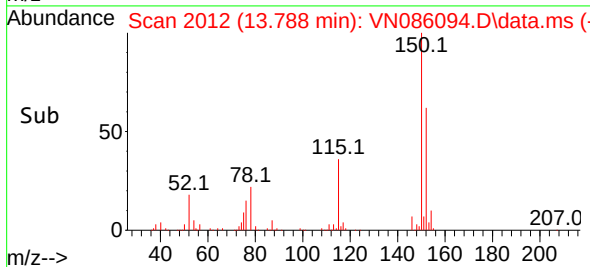
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

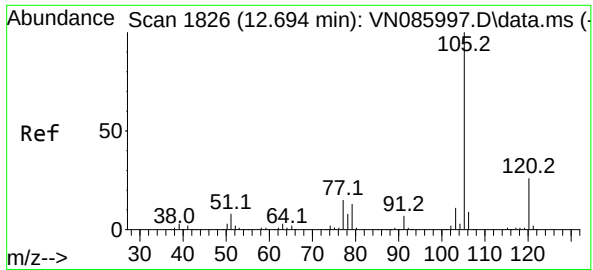


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39



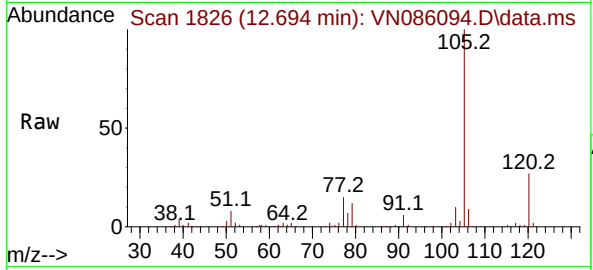
Tgt Ion:152 Resp: 139430
Ion Ratio Lower Upper
152 100
115 60.8 31.1 93.2
150 166.2 0.0 359.6





#73
Isopropylbenzene
Concen: 20.254 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

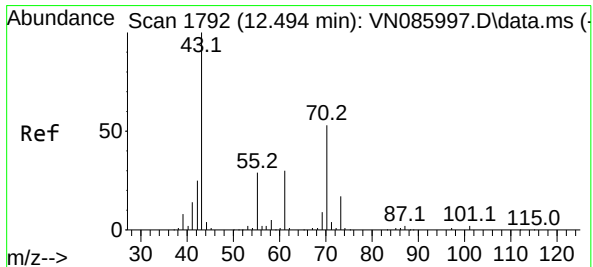
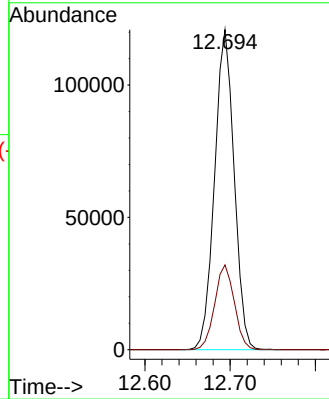
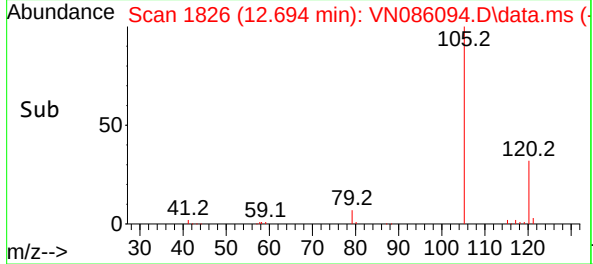
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion:105 Resp: 192849
Ion Ratio Lower Upper
105 100
120 26.5 13.0 39.0

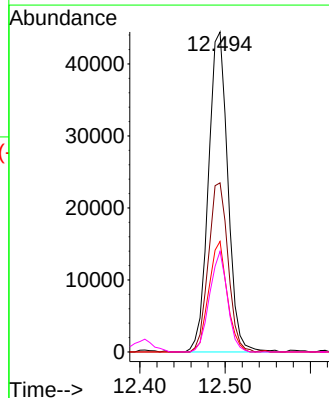
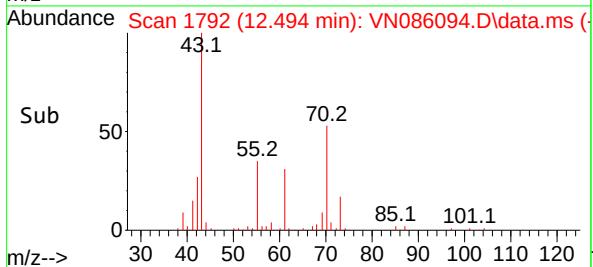
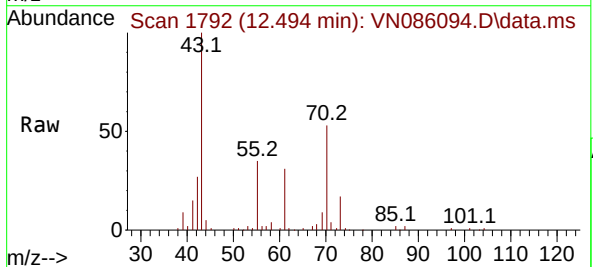
Manual Integrations
APPROVED

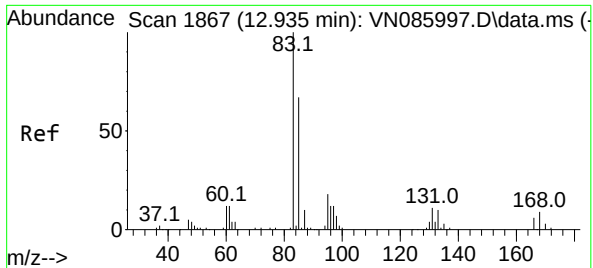
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#74
N-ethyl acetate
Concen: 22.065 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion: 43 Resp: 70288
Ion Ratio Lower Upper
43 100
70 53.5 43.0 64.4
55 32.8 23.8 35.8
61 28.8 23.4 35.0





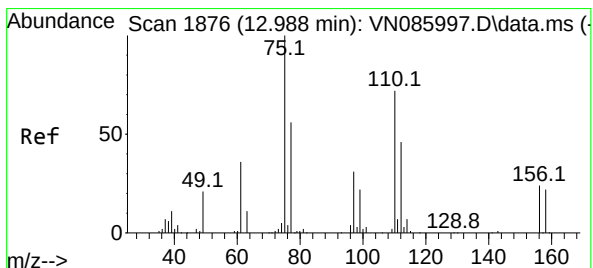
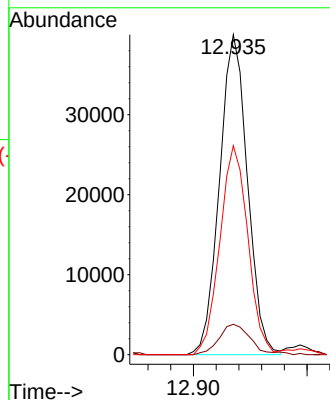
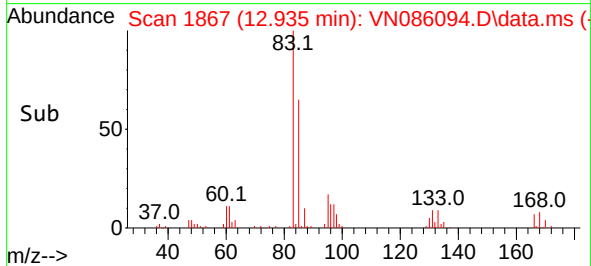
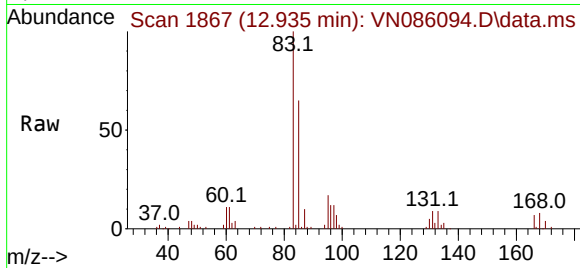
#75
1,1,2,2-Tetrachloroethane
Concen: 21.241 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tgt Ion: 83 Resp: 6842
Ion Ratio Lower Upper
83 100
131 10.8 5.5 16.5
85 65.5 32.6 97.8

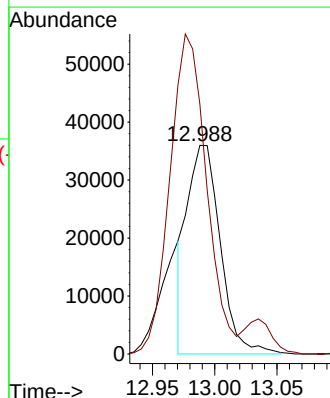
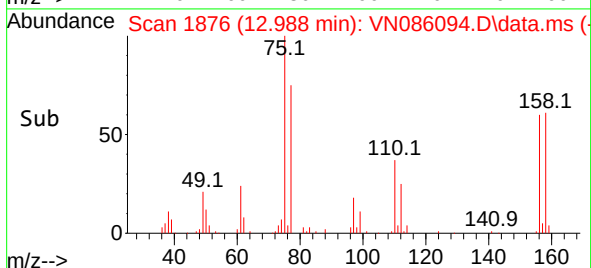
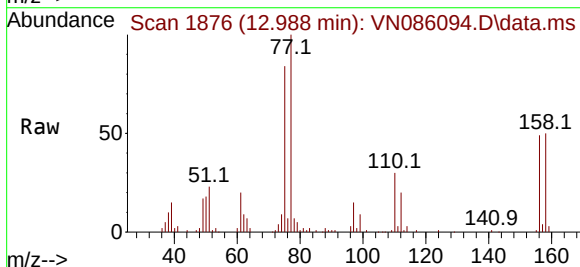
Manual Integrations
APPROVED

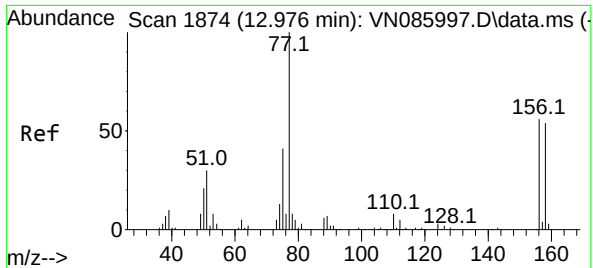
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#76
1,2,3-Trichloropropane
Concen: 21.325 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

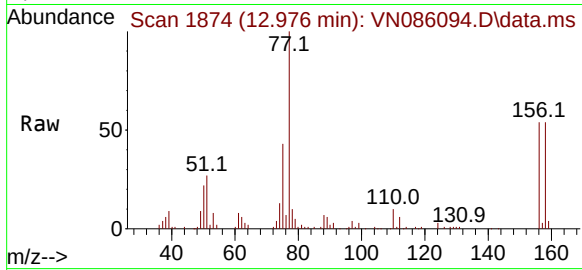
Tgt Ion: 75 Resp: 66566
Ion Ratio Lower Upper
75 100
77 169.6 83.7 251.0





#77
Bromobenzene
Concen: 19.828 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

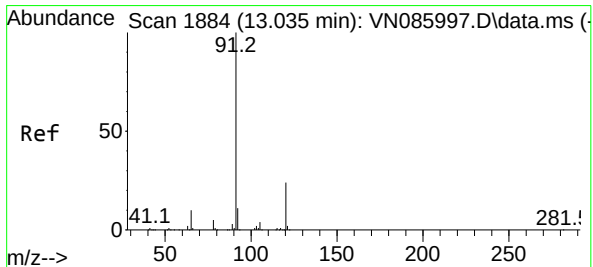
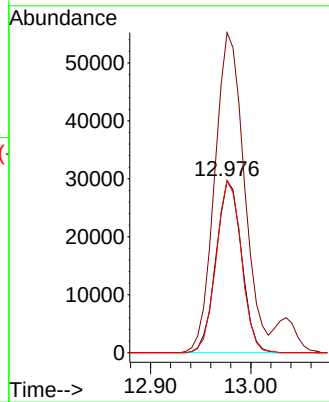
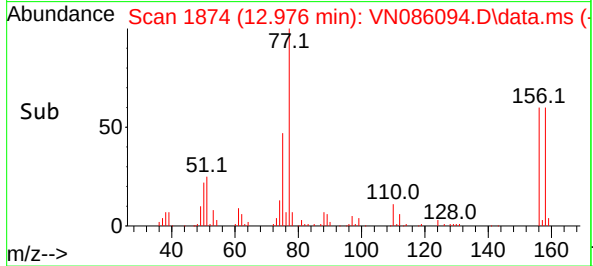
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion:156 Resp: 5264
Ion Ratio Lower Upper
156 100
77 214.5 104.1 312.3
158 98.9 49.0 147.0

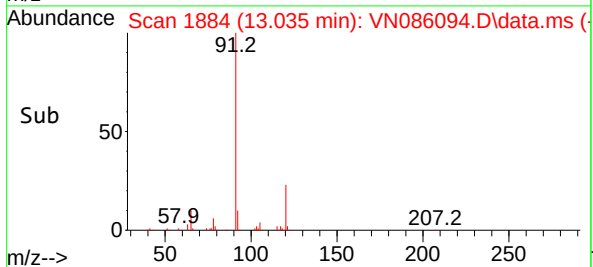
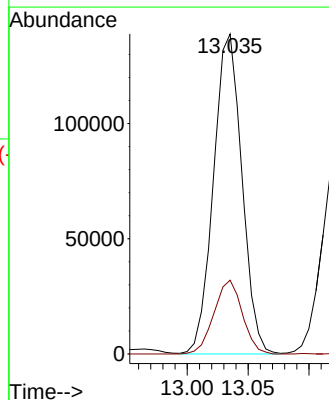
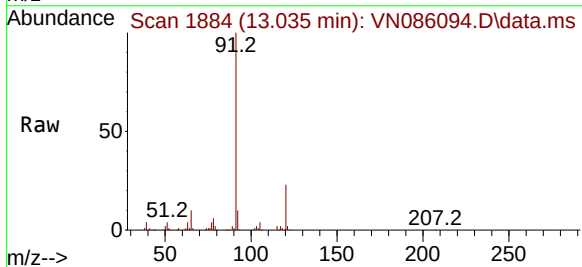
Manual Integrations
APPROVED

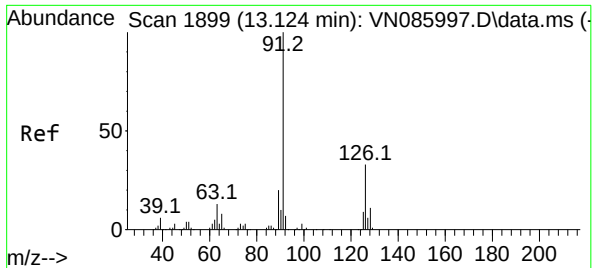
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#78
n-propylbenzene
Concen: 20.938 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion: 91 Resp: 225748
Ion Ratio Lower Upper
91 100
120 23.0 11.7 35.0





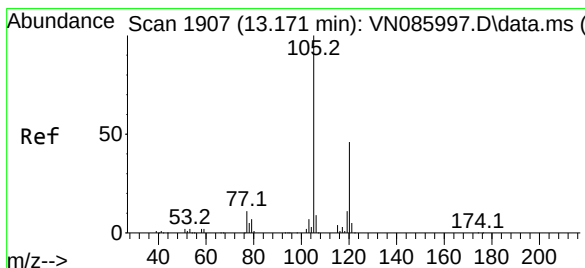
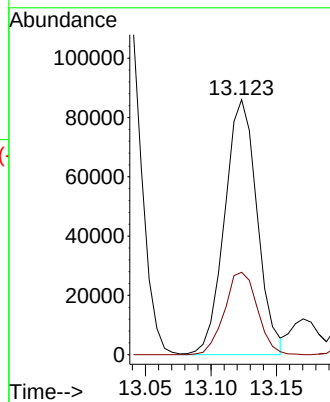
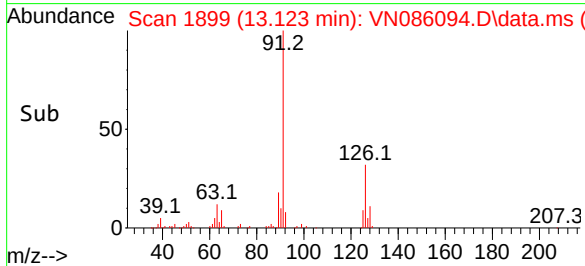
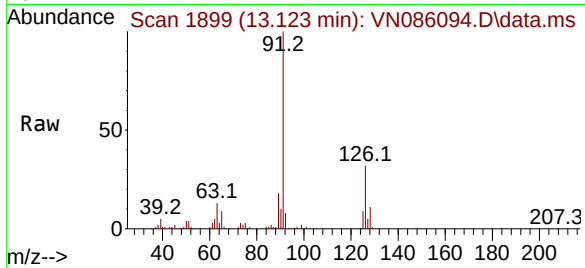
#79
2-Chlorotoluene
Concen: 20.750 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tgt Ion: 91 Resp: 14859
Ion Ratio Lower Upper
91 100
126 32.7 16.4 49.2

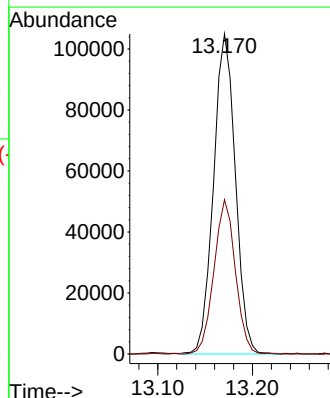
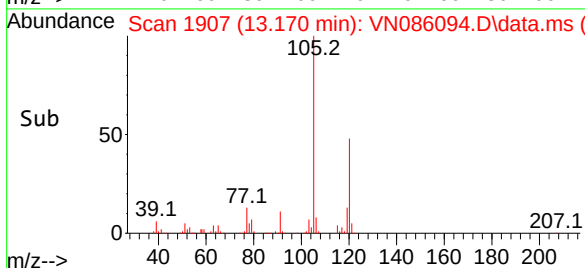
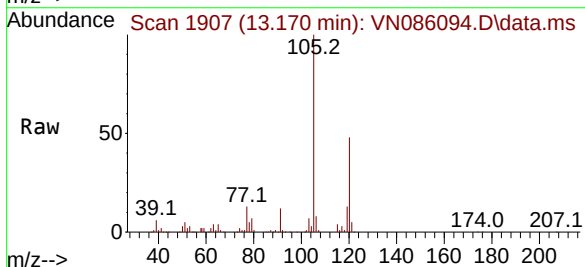
Manual Integrations
APPROVED

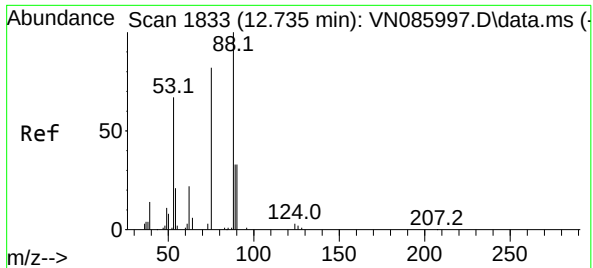
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.913 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

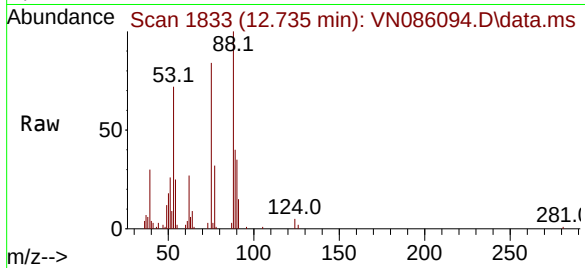
Tgt Ion:105 Resp: 168119
Ion Ratio Lower Upper
105 100
120 47.2 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 21.060 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

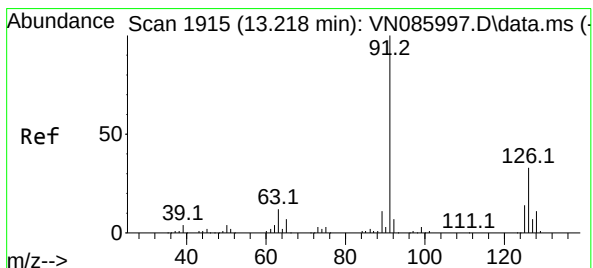
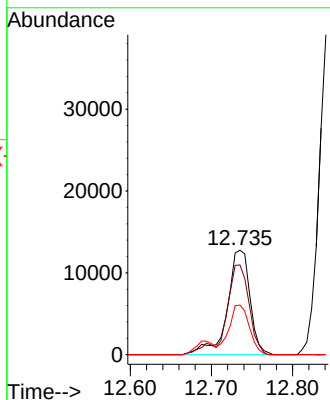
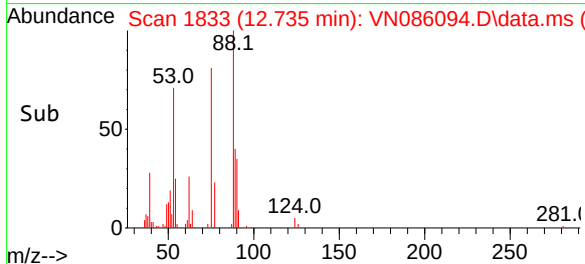
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion: 75 Resp: 24860
Ion Ratio Lower Upper
75 100
53 86.2 66.0 99.0
89 42.6 36.9 55.3

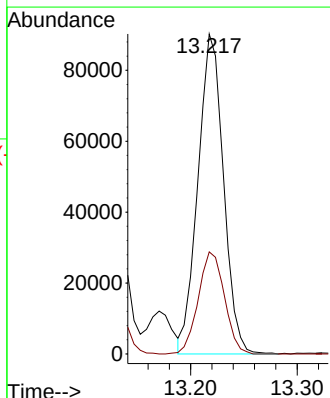
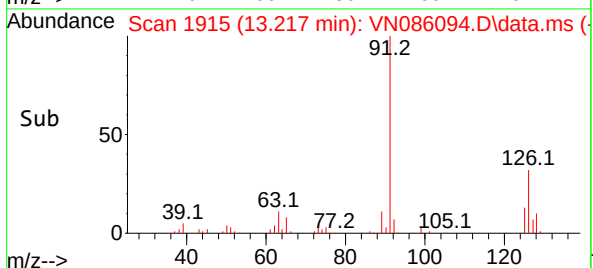
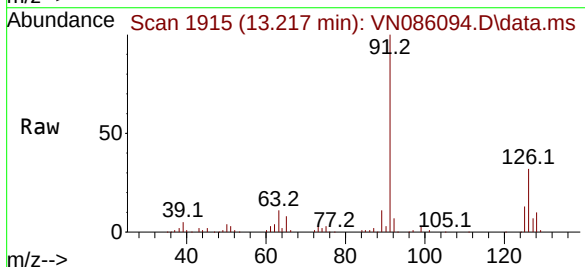
Manual Integrations
APPROVED

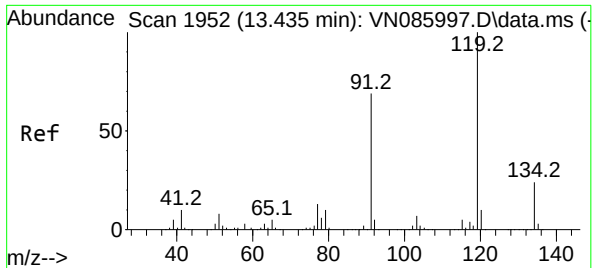
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#82
4-Chlorotoluene
Concen: 20.406 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

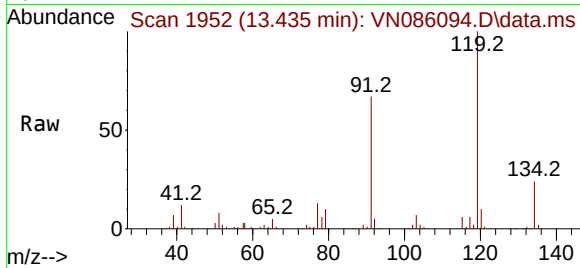
Tgt Ion: 91 Resp: 150275
Ion Ratio Lower Upper
91 100
126 32.7 16.1 48.2





#83
tert-Butylbenzene
Concen: 19.202 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

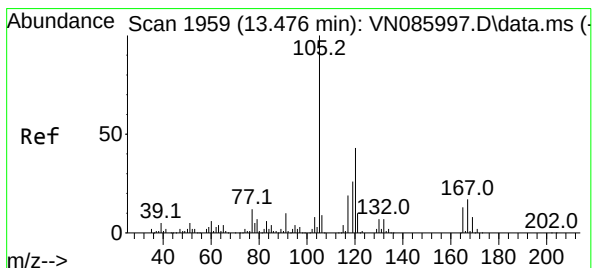
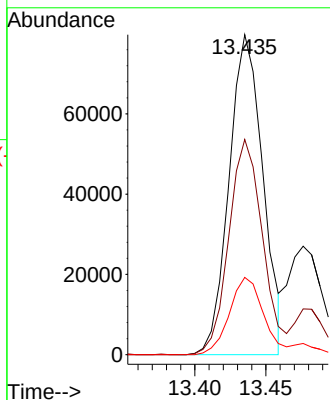
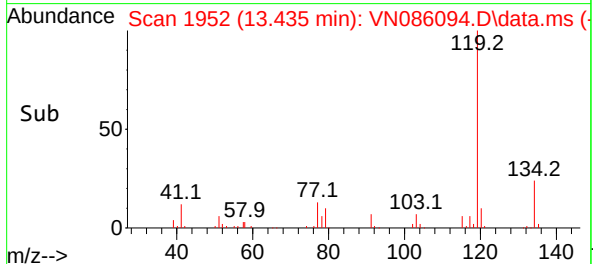
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



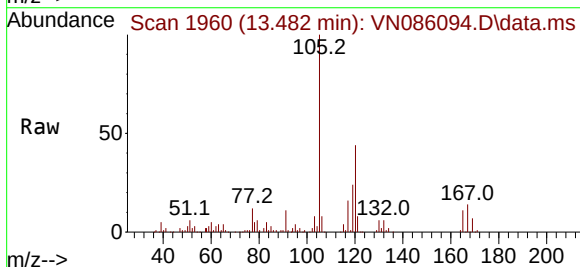
Tgt Ion:119 Resp: 132020
Ion Ratio Lower Upper
119 100
91 67.3 34.3 102.9
134 24.2 13.5 40.5

Manual Integrations
APPROVED

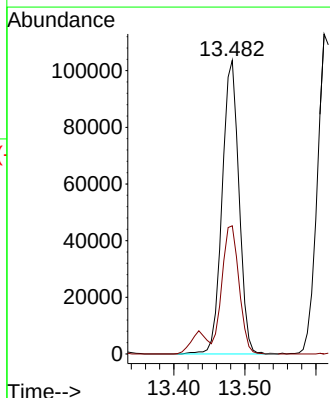
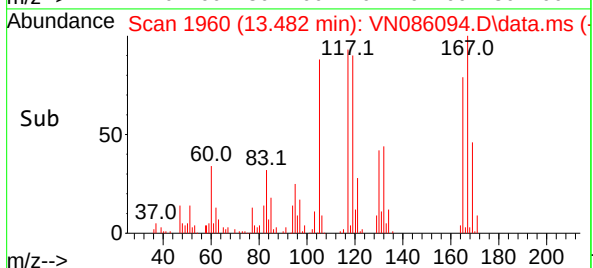
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

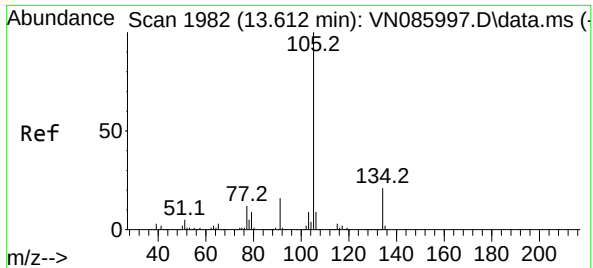


#84
1,2,4-Trimethylbenzene
Concen: 20.951 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39



Tgt Ion:105 Resp: 169874
Ion Ratio Lower Upper
105 100
120 44.4 21.9 65.8





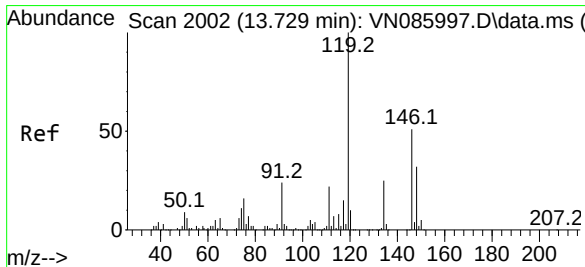
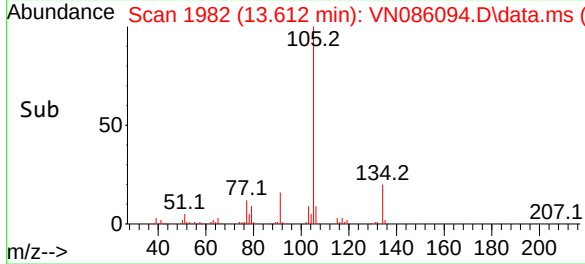
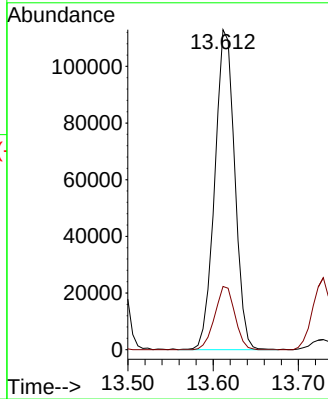
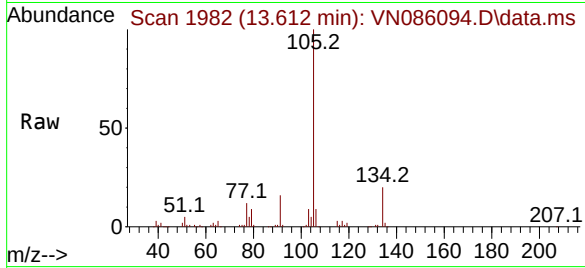
#85
 sec-Butylbenzene
 Concen: 20.480 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086094.D
 Acq: 25 Mar 2025 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Tgt Ion:105 Resp: 18368
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.1 30.1

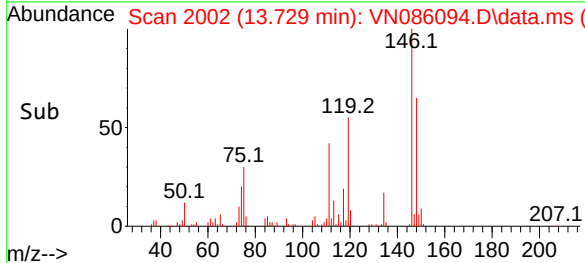
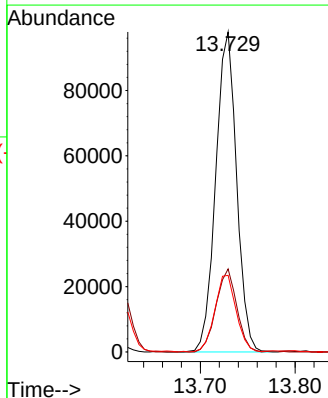
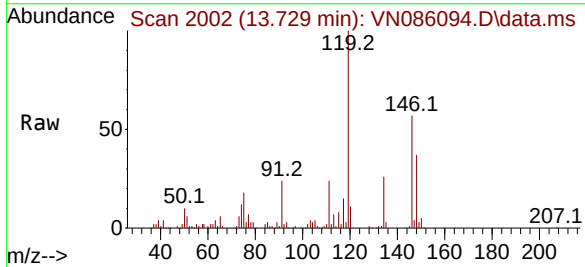
Manual Integrations
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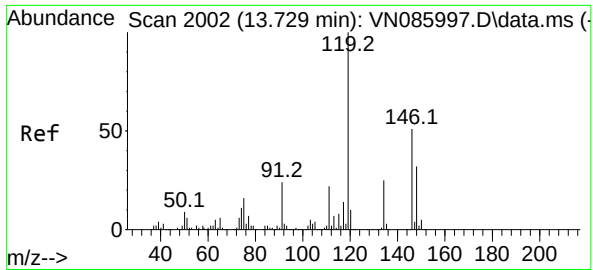
Reviewed By :John Carlone 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025



#86
 p-Isopropyltoluene
 Concen: 19.778 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN086094.D
 Acq: 25 Mar 2025 12:39

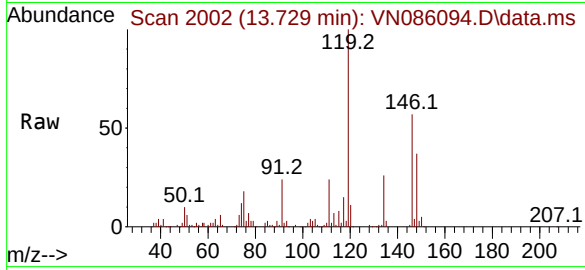
Tgt Ion:119 Resp: 150162
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.6 37.8
 91 24.6 12.3 36.8





#87
1,3-Dichlorobenzene
Concen: 20.117 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

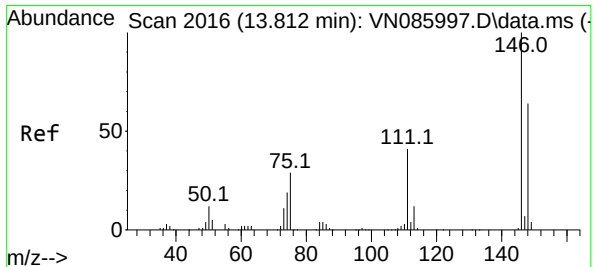
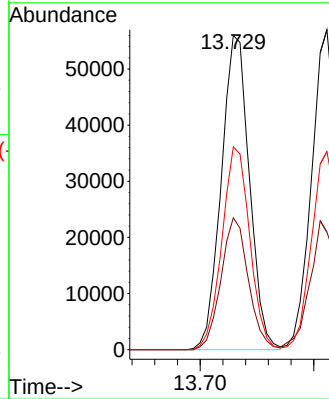
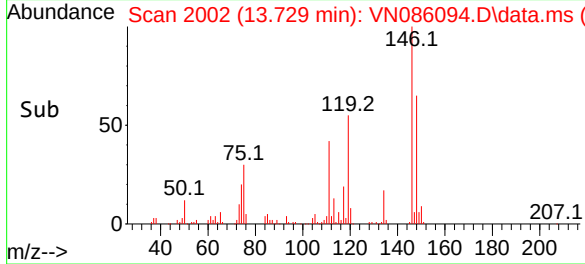
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



Tgt Ion:146 Resp: 96274
Ion Ratio Lower Upper
146 100
111 40.9 21.2 63.6
148 64.0 31.8 95.4

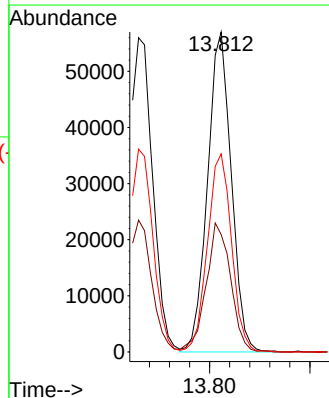
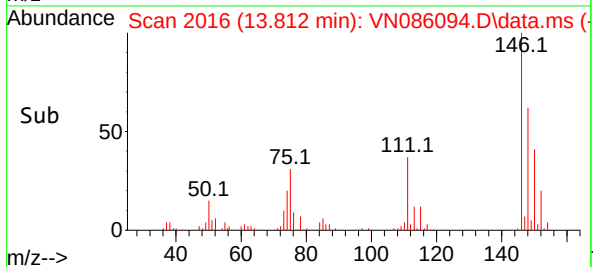
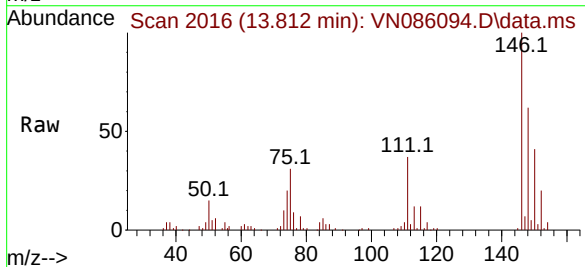
Manual Integrations
APPROVED

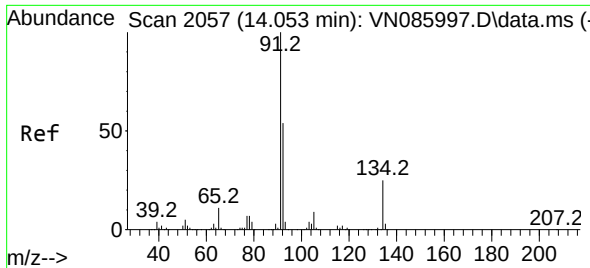
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#88
1,4-Dichlorobenzene
Concen: 18.656 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Tgt Ion:146 Resp: 93804
Ion Ratio Lower Upper
146 100
111 41.7 20.4 61.3
148 62.8 32.1 96.5





#89

n-Butylbenzene

Concen: 18.168 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

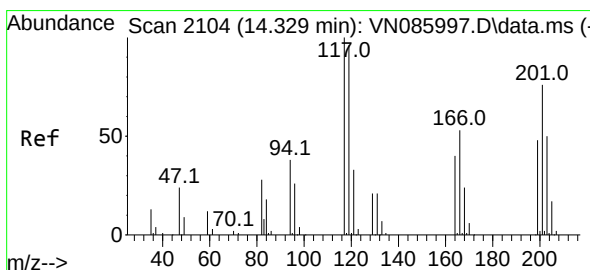
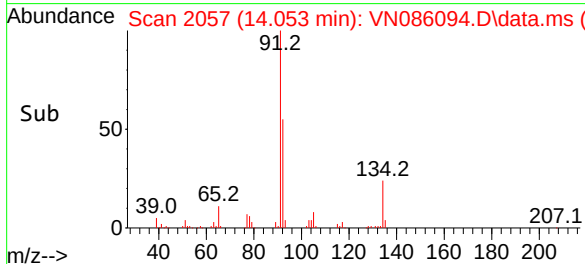
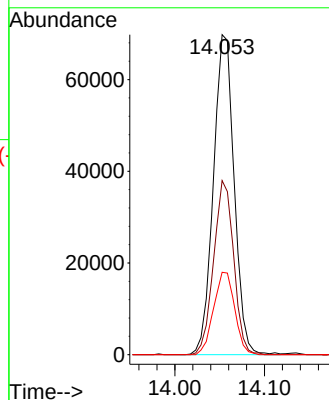
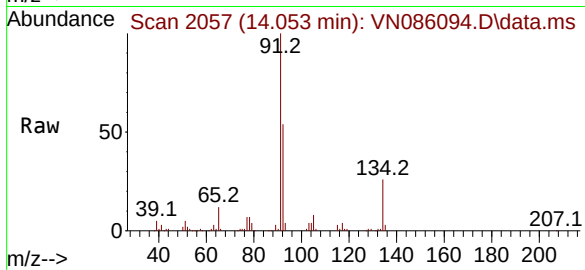
Tgt Ion:	91	Resp:	112330
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.9	80.6
134	26.1	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#90

Hexachloroethane

Concen: 18.664 ug/l

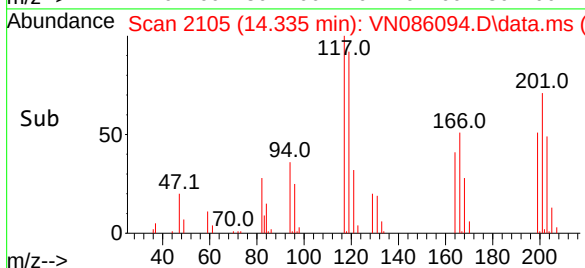
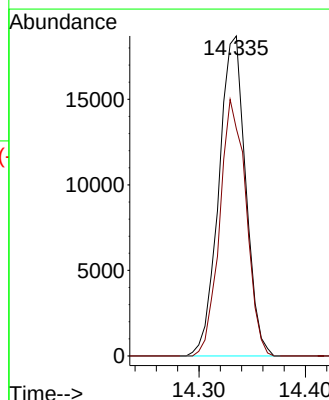
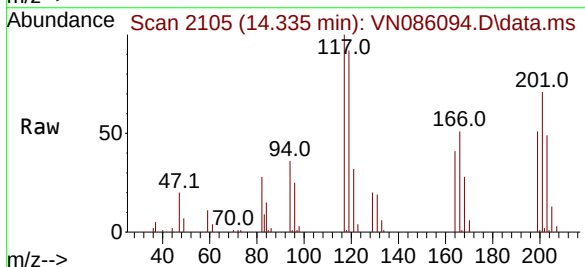
RT: 14.335 min Scan# 2105

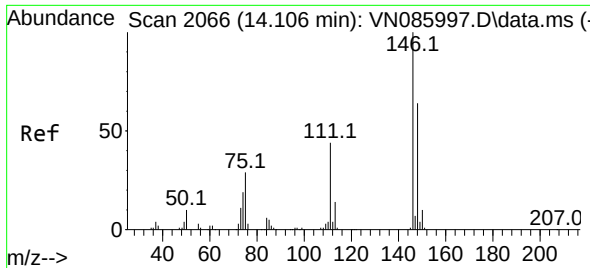
Delta R.T. 0.006 min

Lab File: VN086094.D

Acq: 25 Mar 2025 12:39

Tgt Ion:	117	Resp:	32697
Ion	Ratio	Lower	Upper
117	100		
201	78.5	39.1	117.3





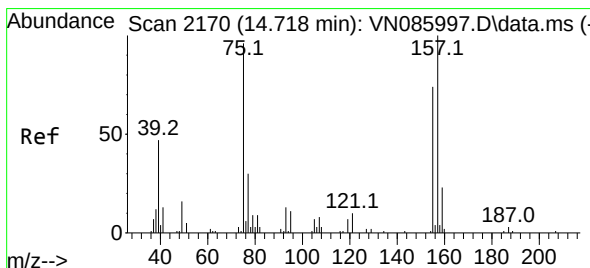
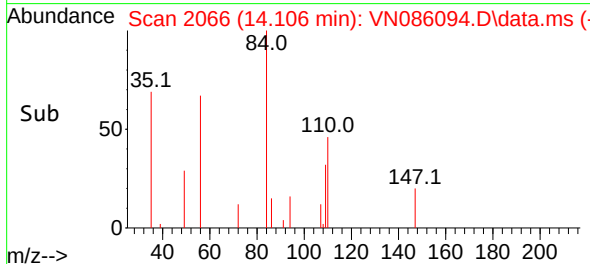
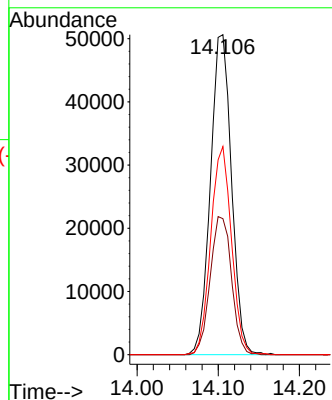
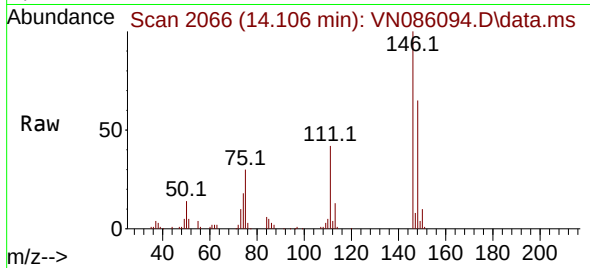
#91
1,2-Dichlorobenzene
Concen: 19.180 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tgt Ion:	146	Resp:	9124
Ion Ratio	Lower	Upper	
146	100		
111	43.7	22.3	66.8
148	64.0	32.1	96.5

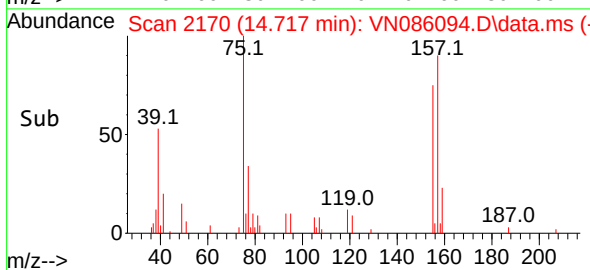
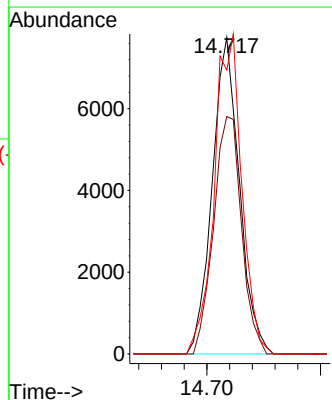
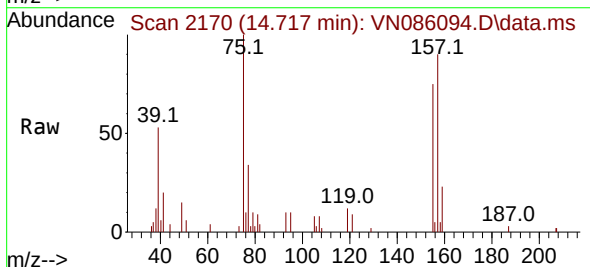
Manual Integrations
APPROVED

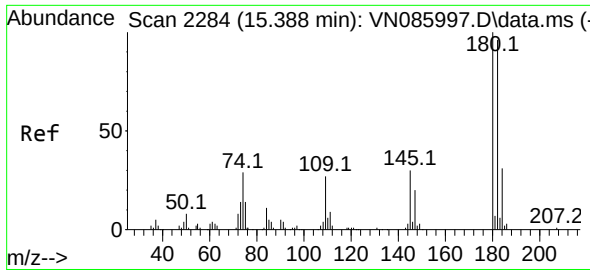
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.993 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

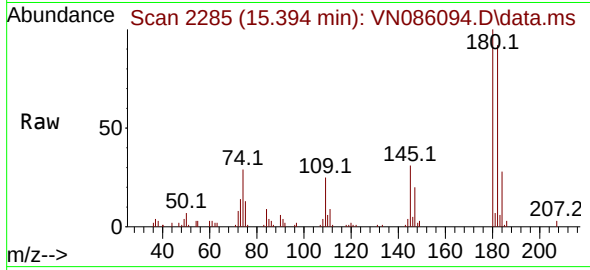
Tgt Ion:	75	Resp:	12856
Ion Ratio	Lower	Upper	
75	100		
155	77.2	41.0	123.0
157	102.2	53.7	161.1





#93
1,2,4-Trichlorobenzene
Concen: 16.633 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

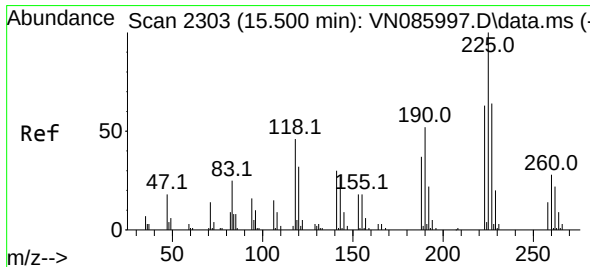
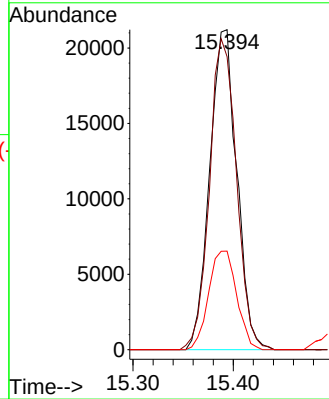
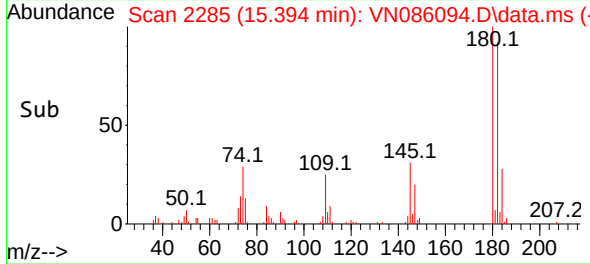
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



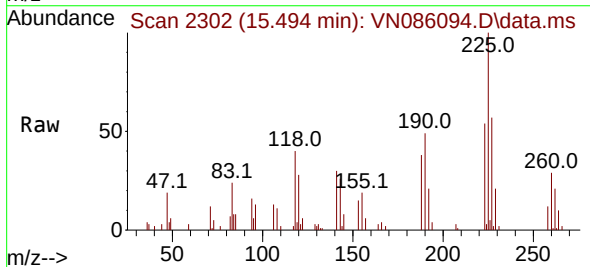
Tgt Ion:180 Resp: 3978
Ion Ratio Lower Upper
180 100
182 96.8 47.0 141.0
145 31.9 15.5 46.5

Manual Integrations
APPROVED

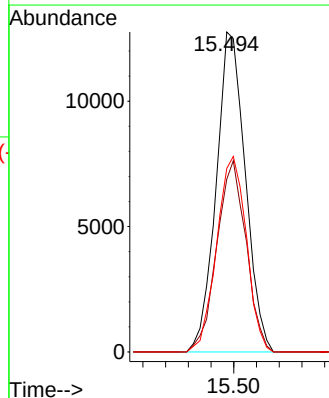
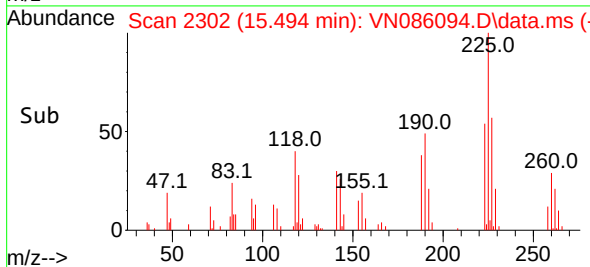
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

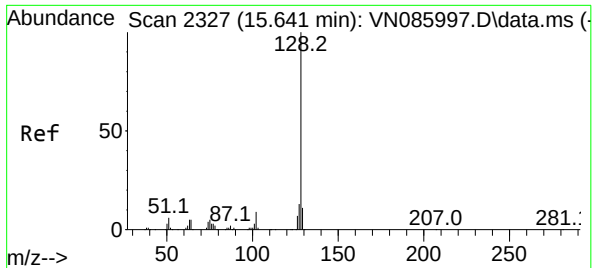


#94
Hexachlorobutadiene
Concen: 16.397 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39



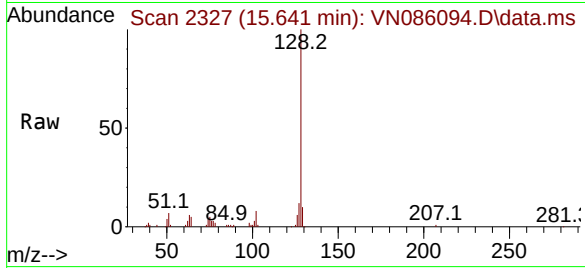
Tgt Ion:225 Resp: 22756
Ion Ratio Lower Upper
225 100
223 59.9 31.3 93.9
227 62.2 32.1 96.3





#95
Naphthalene
Concen: 16.349 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39

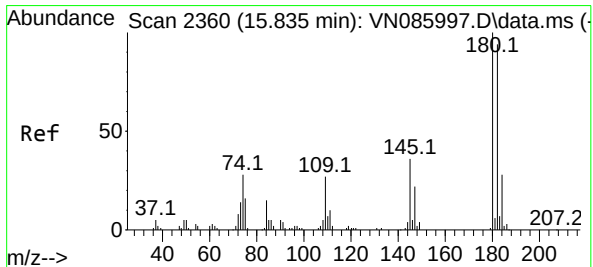
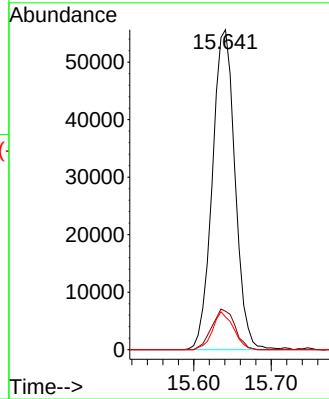
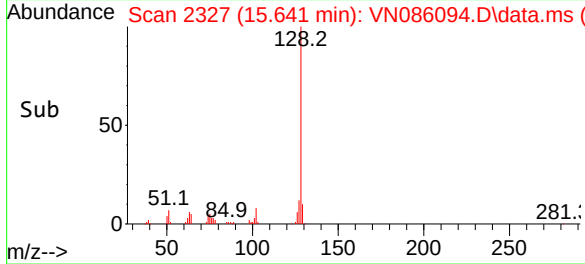
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01



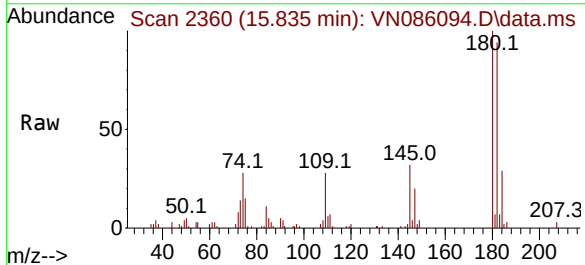
Tgt Ion:128 Resp: 11324
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.8 9.0 13.6

Manual Integrations
APPROVED

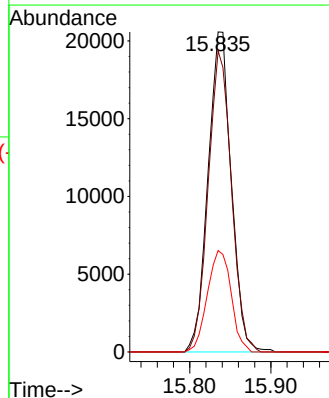
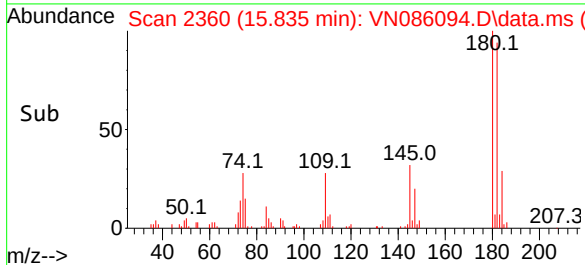
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.033 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086094.D
Acq: 25 Mar 2025 12:39



Tgt Ion:180 Resp: 40932
Ion Ratio Lower Upper
180 100
182 93.7 47.5 142.5
145 32.4 17.7 53.1



Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	VN0325WBSD01	SDG No.:	Q1626
Lab Sample ID:	VN0325WBSD01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086106.D	1		03/25/25 17:28	VN032525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	20.3		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	1.00	ug/L
78-93-3	2-Butanone	87.6		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.1		0.25	1.00	ug/L
67-66-3	Chloroform	19.7		0.25	1.00	ug/L
71-43-2	Benzene	19.5		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.5		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	16.9		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.7		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.4		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	52.9		86 - 113	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	8.218			
540-36-3	1,4-Difluorobenzene	321000	9.1			
3114-55-4	Chlorobenzene-d5	280000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086106.D
 Acq On : 25 Mar 2025 17:28
 Operator : JC\MD
 Sample : VN0325WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 03:22:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	194343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	321428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139435	52.395	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.800%			
35) Dibromofluoromethane	8.165	113	115231	51.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.720%			
50) Toluene-d8	10.565	98	430988	52.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.860%			
62) 4-Bromofluorobenzene	12.847	95	146790	50.550	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	45273	17.584	ug/l	94
3) Chloromethane	2.359	50	43839	19.422	ug/l	96
4) Vinyl Chloride	2.512	62	46758	20.260	ug/l	97
5) Bromomethane	2.959	94	28536	18.152	ug/l	90
6) Chloroethane	3.118	64	29005	19.922	ug/l	96
7) Trichlorofluoromethane	3.501	101	74092	17.859	ug/l	97
8) Diethyl Ether	3.965	74	22726	17.893	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	42410	19.234	ug/l	96
10) Methyl Iodide	4.589	142	53138	18.495	ug/l	92
11) Tert butyl alcohol	5.512	59	27645	73.371	ug/l	99
12) 1,1-Dichloroethene	4.342	96	38276	19.224	ug/l	92
13) Acrolein	4.177	56	31196	77.628	ug/l	94
14) Allyl chloride	5.024	41	44521	17.924	ug/l	98
15) Acrylonitrile	5.712	53	93163	93.624	ug/l	99
16) Acetone	4.424	43	68966	84.826	ug/l	95
17) Carbon Disulfide	4.712	76	109854	16.777	ug/l	100
18) Methyl Acetate	5.018	43	42517	21.136	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	117524	18.013	ug/l	97
20) Methylene Chloride	5.277	84	45867	19.284	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	41384	19.019	ug/l	92
22) Diisopropyl ether	6.671	45	113703	21.481	ug/l	96
23) Vinyl Acetate	6.600	43	385176	95.992	ug/l	97
24) 1,1-Dichloroethane	6.565	63	78646	20.205	ug/l	99
25) 2-Butanone	7.483	43	102788	87.617	ug/l	92
26) 2,2-Dichloropropane	7.489	77	60514	16.148	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	47010	19.012	ug/l	98
28) Bromochloromethane	7.812	49	34646	21.009	ug/l	95
29) Tetrahydrofuran	7.841	42	69591	96.086	ug/l	94
30) Chloroform	7.959	83	84967	19.749	ug/l	100
31) Cyclohexane	8.253	56	63270	19.081	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	77454	19.018	ug/l	97
36) 1,1-Dichloropropene	8.371	75	56101	18.990	ug/l	99
37) Ethyl Acetate	7.559	43	46507	18.661	ug/l	97
38) Carbon Tetrachloride	8.359	117	70363	18.115	ug/l	97
39) Methylcyclohexane	9.600	83	50431	17.206	ug/l	96
40) Benzene	8.600	78	180463	19.459	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086106.D
 Acq On : 25 Mar 2025 17:28
 Operator : JC\MD
 Sample : VN0325WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 03:22:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	22786	19.147	ug/l	97
42) 1,2-Dichloroethane	8.665	62	59622	18.451	ug/l	100
43) Isopropyl Acetate	8.683	43	108436	20.079	ug/l #	85
44) Trichloroethene	9.353	130	42112	17.521	ug/l	97
45) 1,2-Dichloropropane	9.618	63	42003	19.913	ug/l	96
46) Dibromomethane	9.700	93	31421	18.942	ug/l	99
47) Bromodichloromethane	9.883	83	65943	19.021	ug/l	96
48) Methyl methacrylate	9.677	41	31840	17.866	ug/l	99
49) 1,4-Dioxane	9.688	88	14495	344.062	ug/l #	91
51) 4-Methyl-2-Pentanone	10.441	43	228174	95.800	ug/l	96
52) Toluene	10.624	92	111651	19.616	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	59568	17.692	ug/l	96
54) cis-1,3-Dichloropropene	10.306	75	67138	18.900	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	42971	19.780	ug/l	97
56) Ethyl methacrylate	10.871	69	55521	18.810	ug/l	95
57) 1,3-Dichloropropane	11.159	76	70459	19.095	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	117009	103.990	ug/l	97
59) 2-Hexanone	11.194	43	161319	92.973	ug/l	94
60) Dibromochloromethane	11.353	129	52431	18.703	ug/l	97
61) 1,2-Dibromoethane	11.465	107	41593	18.649	ug/l	96
64) Tetrachloroethene	11.100	164	37829	16.924	ug/l	96
65) Chlorobenzene	11.888	112	119831	18.689	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	46387	19.462	ug/l	99
67) Ethyl Benzene	11.959	91	191762	18.697	ug/l	99
68) m/p-Xylenes	12.071	106	157672	39.112	ug/l	98
69) o-Xylene	12.394	106	72073	19.479	ug/l	98
70) Styrene	12.406	104	122252	19.345	ug/l	99
71) Bromoform	12.576	173	35256	17.694	ug/l #	96
73) Isopropylbenzene	12.694	105	173790	18.050	ug/l	98
74) N-amyl acetate	12.494	43	61080	18.961	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	62398	19.156	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	61314m	19.424	ug/l	
77) Bromobenzene	12.976	156	49148	18.307	ug/l	99
78) n-propylbenzene	13.029	91	210798	19.335	ug/l	97
79) 2-Chlorotoluene	13.123	91	138563	19.134	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	157160	19.333	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	22122	18.529	ug/l	90
82) 4-Chlorotoluene	13.218	91	140854	18.914	ug/l	99
83) tert-Butylbenzene	13.435	119	122205	17.577	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	156199	19.051	ug/l	100
85) sec-Butylbenzene	13.612	105	171180	18.874	ug/l	99
86) p-Isopropyltoluene	13.729	119	140160	18.256	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	88113	18.208	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	88942	17.493	ug/l	99
89) n-Butylbenzene	14.053	91	104989	16.793	ug/l	99
90) Hexachloroethane	14.335	117	31043	17.523	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	85902	17.857	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11135	17.125	ug/l	88
93) 1,2,4-Trichlorobenzene	15.388	180	36358	15.031	ug/l	99
94) Hexachlorobutadiene	15.494	225	19709	14.044	ug/l	96
95) Naphthalene	15.641	128	92262	13.172	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	35554	15.490	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
Data File : VN086106.D
Acq On : 25 Mar 2025 17:28
Operator : JC\MD
Sample : VN0325WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 03:22:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

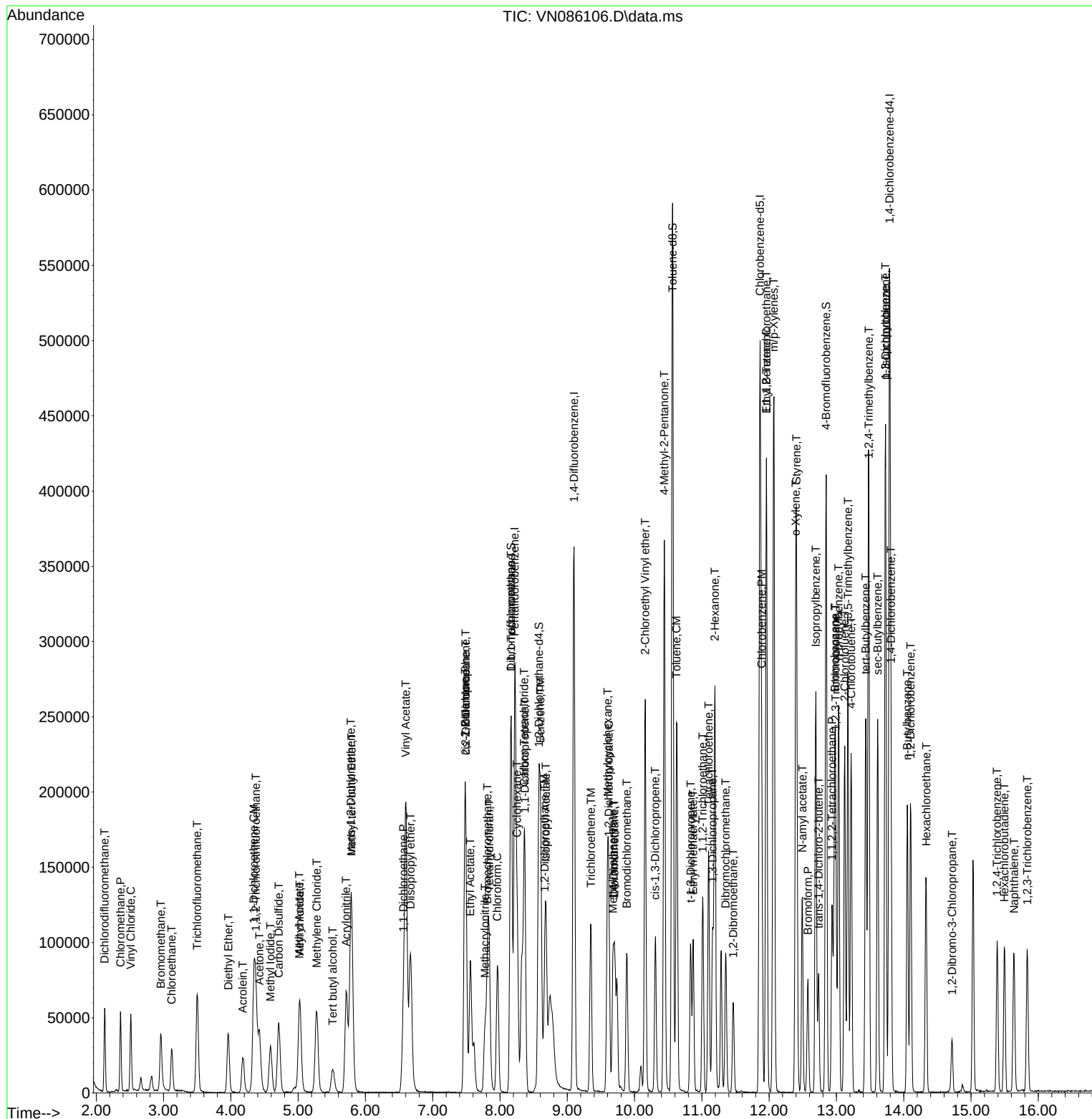
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

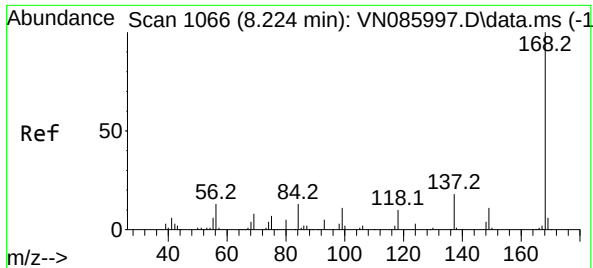
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Manual Integrations APPROVED

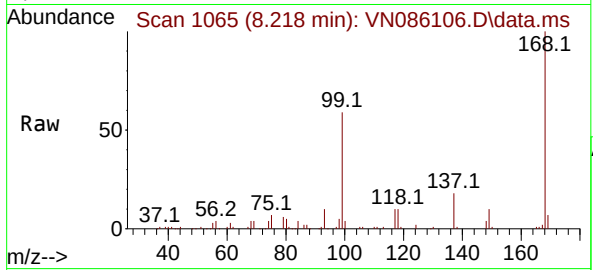
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

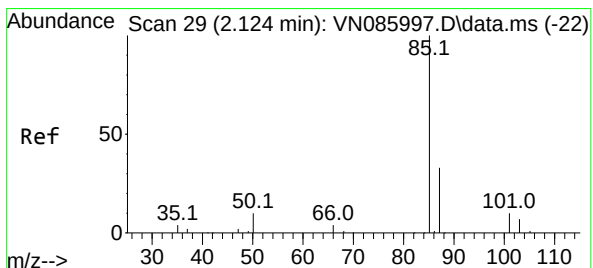
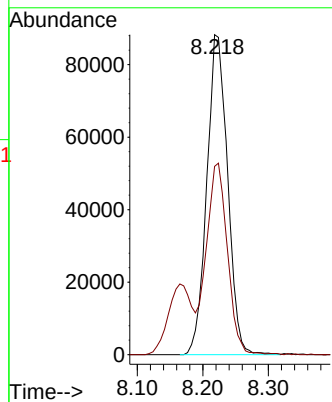
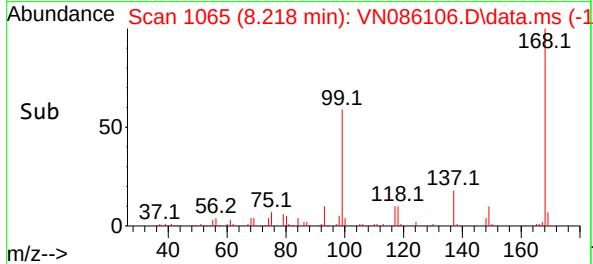
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion:168 Resp: 19434
Ion Ratio Lower Upper
168 100
99 58.6 49.4 74.2

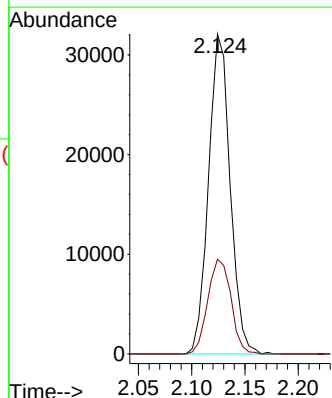
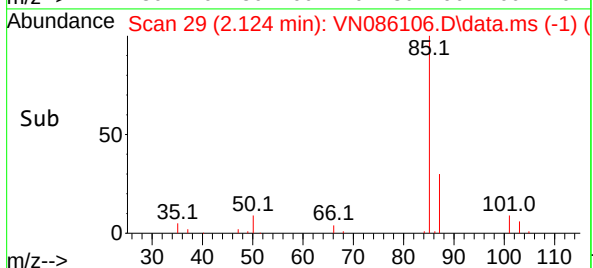
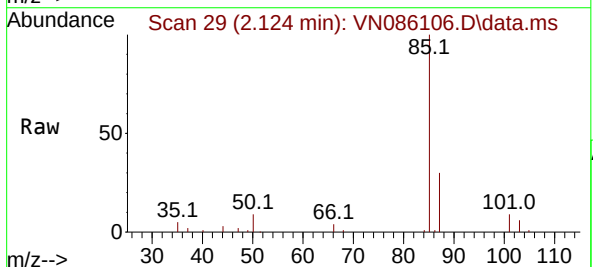
Manual Integrations
APPROVED

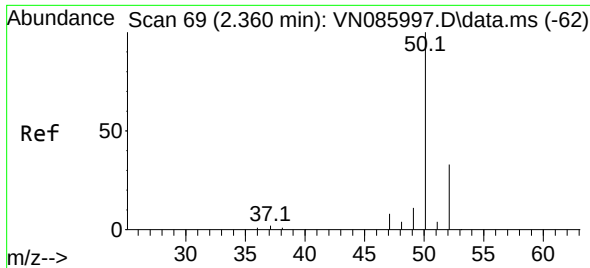
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#2
Dichlorodifluoromethane
Concen: 17.584 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion: 85 Resp: 45273
Ion Ratio Lower Upper
85 100
87 29.6 16.5 49.5





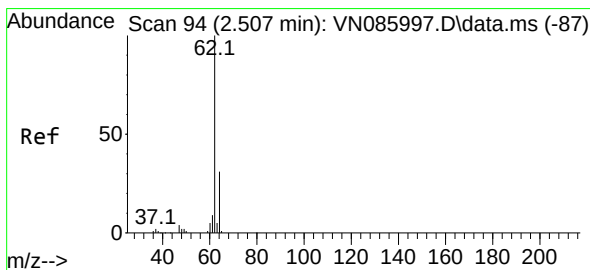
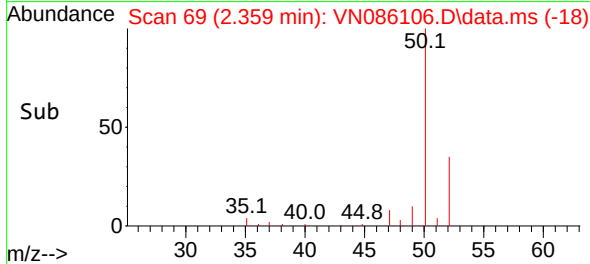
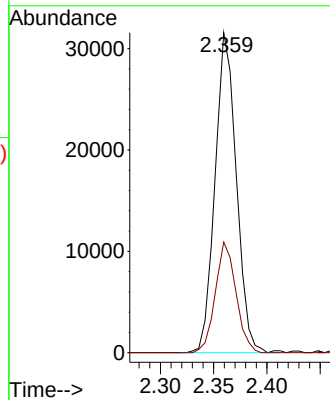
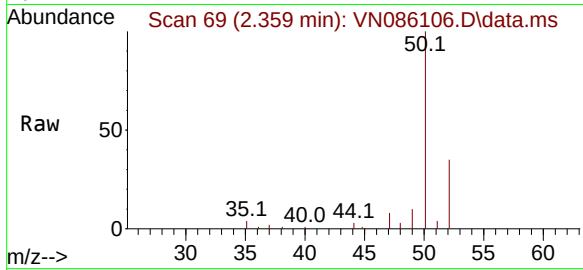
#3
Chloromethane
Concen: 19.422 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tgt Ion: 50 Resp: 43839
Ion Ratio Lower Upper
50 100
52 34.6 26.0 39.0

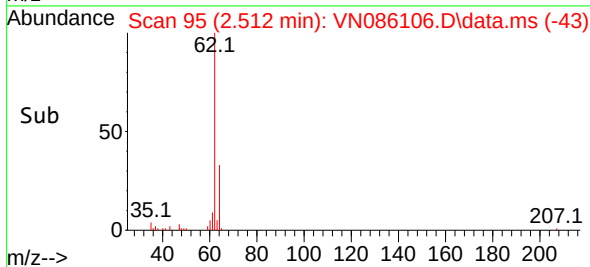
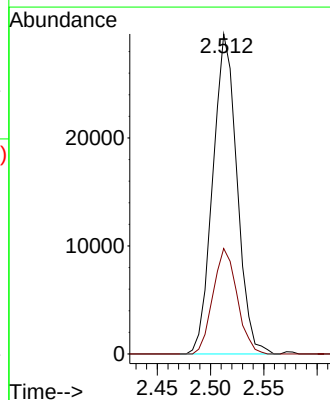
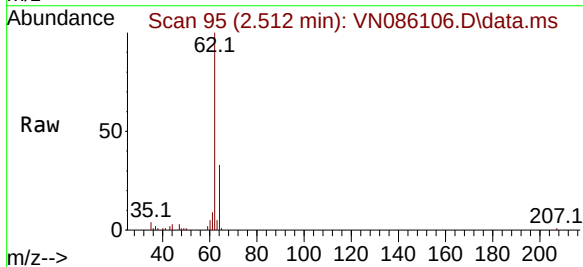
Manual Integrations
APPROVED

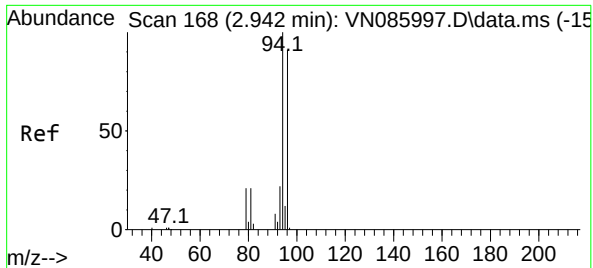
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#4
Vinyl Chloride
Concen: 20.260 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

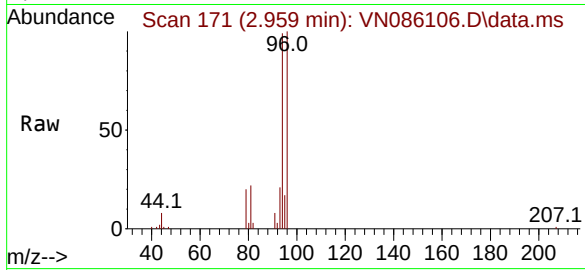
Tgt Ion: 62 Resp: 46758
Ion Ratio Lower Upper
62 100
64 32.9 25.2 37.8





#5
Bromomethane
Concen: 18.152 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

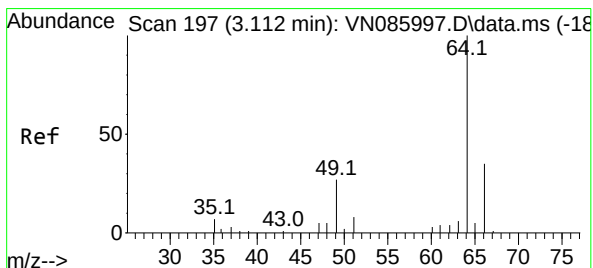
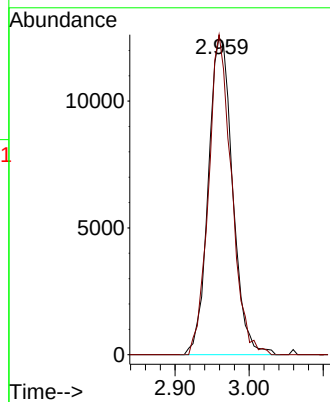
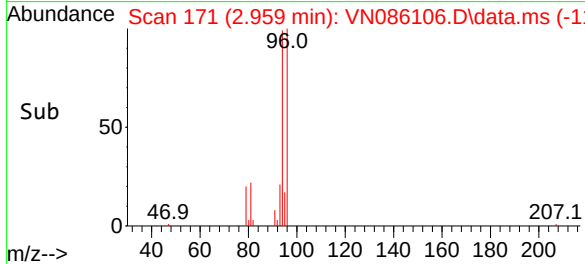
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion: 94 Resp: 28536
Ion Ratio Lower Upper
94 100
96 100.9 72.8 109.2

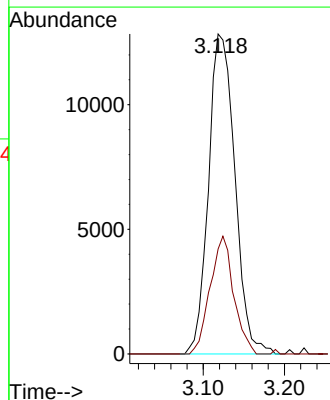
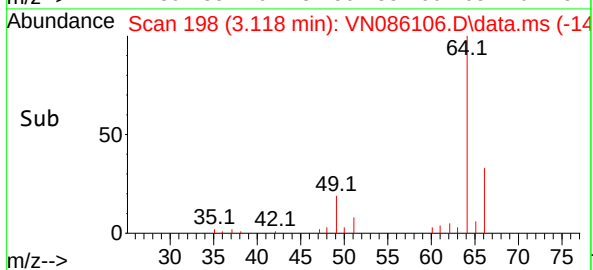
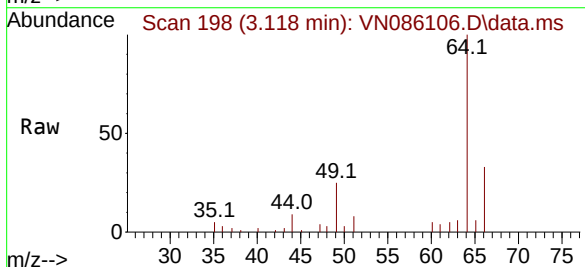
Manual Integrations
APPROVED

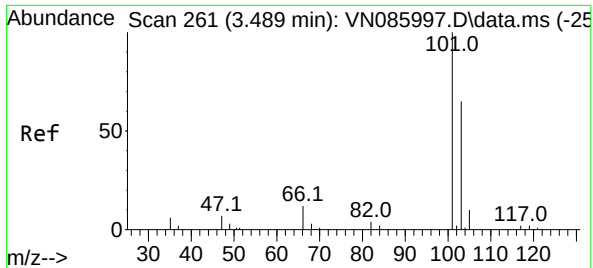
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#6
Chloroethane
Concen: 19.922 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion: 64 Resp: 29005
Ion Ratio Lower Upper
64 100
66 32.8 28.3 42.5





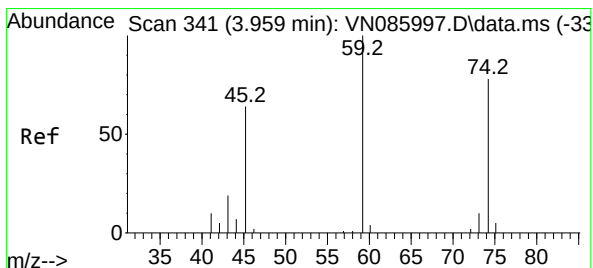
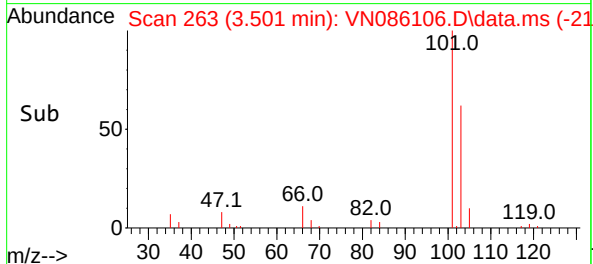
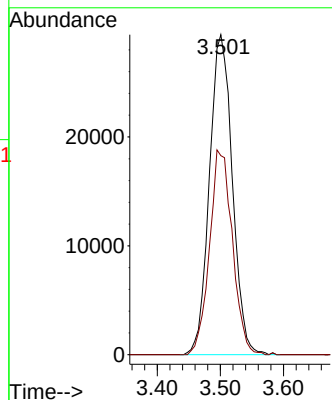
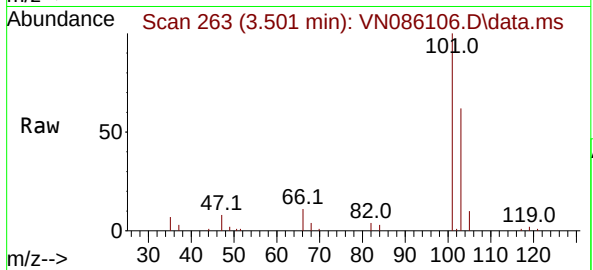
#7
Trichlorofluoromethane
Concen: 17.859 ug/l
RT: 3.501 min Scan# 210
Delta R.T. 0.012 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tgt Ion:101 Resp: 74092
Ion Ratio Lower Upper
101 100
103 62.2 51.7 77.5

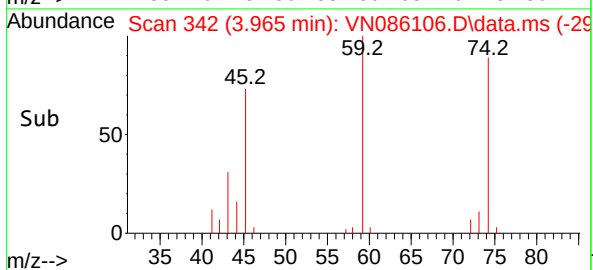
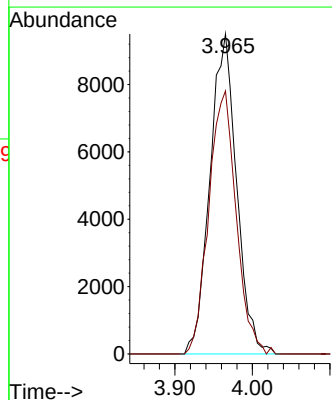
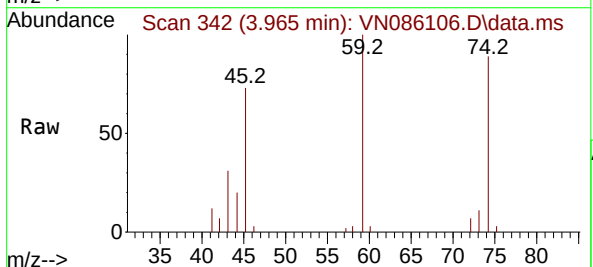
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

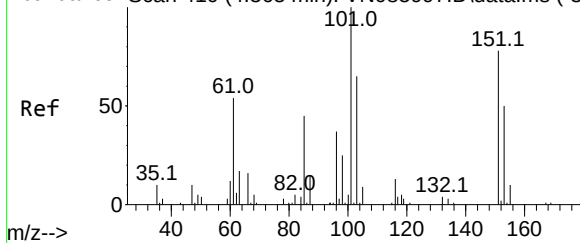


#8
Diethyl Ether
Concen: 17.893 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion: 74 Resp: 22726
Ion Ratio Lower Upper
74 100
45 84.4 38.0 113.9



Abundance Scan 410 (4.365 min): VN085997.D\data.ms (-39



#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.234 ug/l

RT: 4.371 min Scan# 411

Delta R.T. 0.006 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion:101 Resp: 42410

Ion Ratio Lower Upper

101 100

85 42.5 36.5 54.7

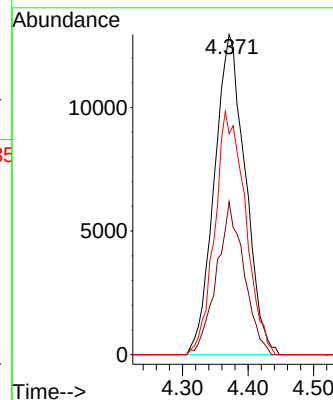
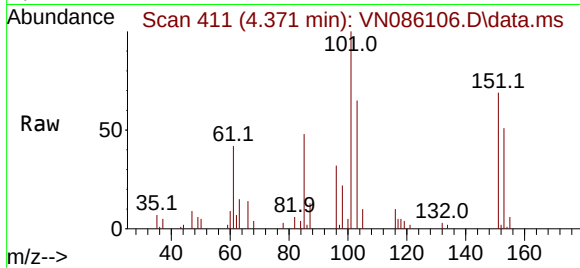
151 75.4 63.4 95.0

Manual Integrations

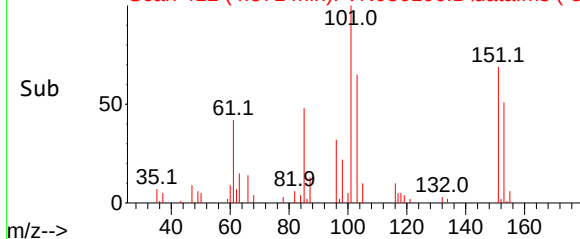
APPROVED

Reviewed By :John Carlone 03/26/2025

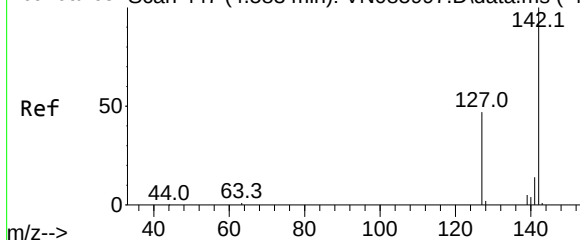
Supervised By :Mahesh Dadoda 03/26/2025



Abundance Scan 411 (4.371 min): VN086106.D\data.ms (-35



Abundance Scan 447 (4.583 min): VN085997.D\data.ms (-43



#10

Methyl Iodide

Concen: 18.495 ug/l

RT: 4.589 min Scan# 448

Delta R.T. 0.006 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

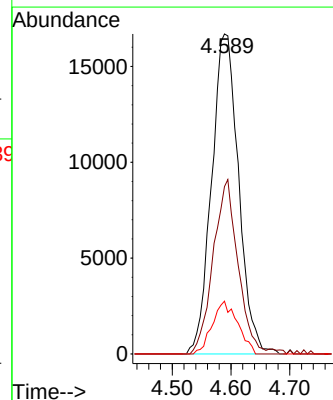
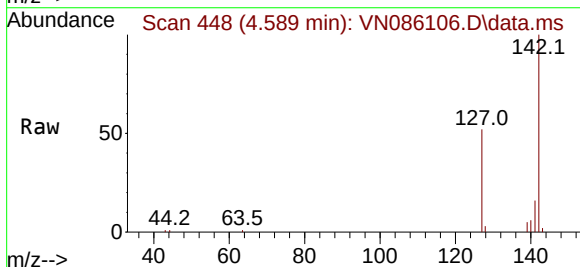
Tgt Ion:142 Resp: 53138

Ion Ratio Lower Upper

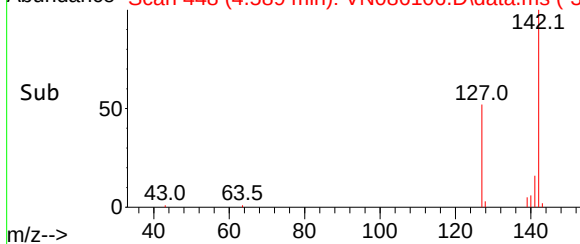
142 100

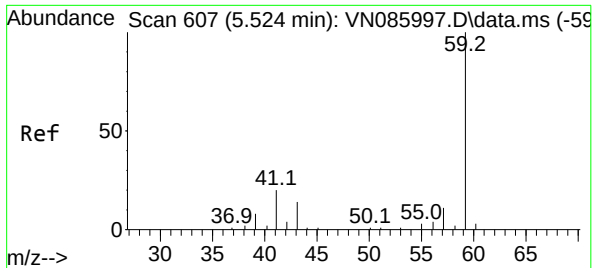
127 52.3 37.5 56.3

141 16.5 11.0 16.6



Abundance Scan 448 (4.589 min): VN086106.D\data.ms (-39





#11

Tert butyl alcohol

Concen: 73.371 ug/l

RT: 5.512 min Scan# 607

Delta R.T. -0.012 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion: 59 Resp: 2764

Ion Ratio Lower Upper

59 100

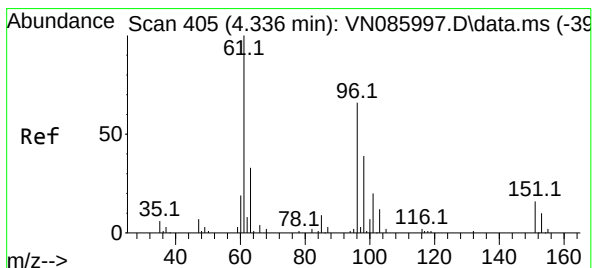
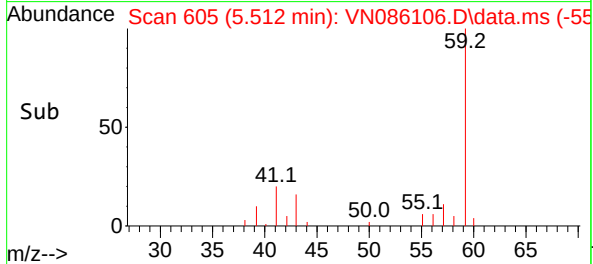
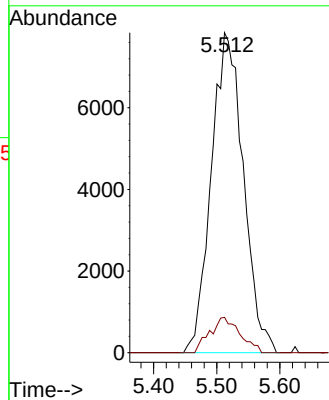
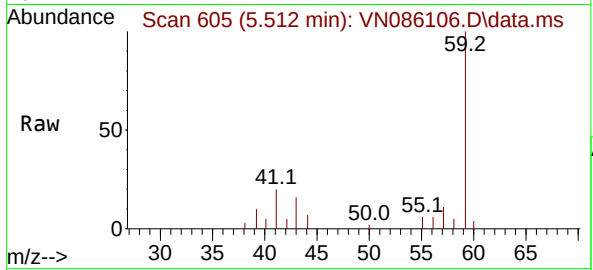
57 10.3 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#12

1,1-Dichloroethene

Concen: 19.224 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

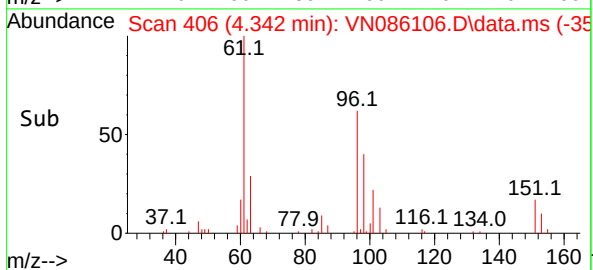
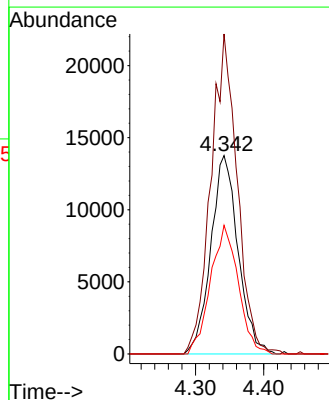
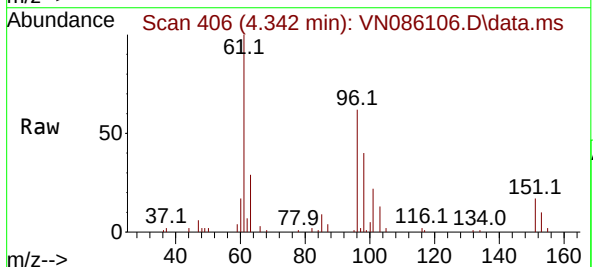
Tgt Ion: 96 Resp: 38276

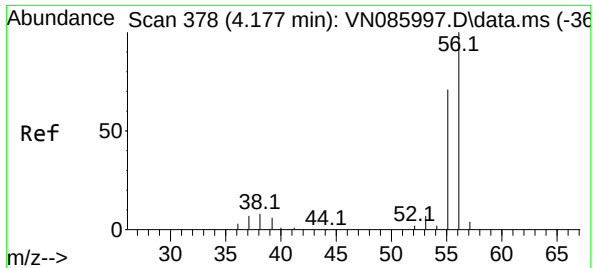
Ion Ratio Lower Upper

96 100

61 161.3 120.5 180.7

98 64.8 47.4 71.0





#13

Acrolein

Concen: 77.628 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion: 56 Resp: 31190

Ion Ratio Lower Upper

56 100

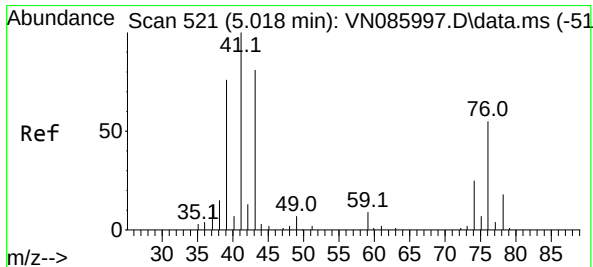
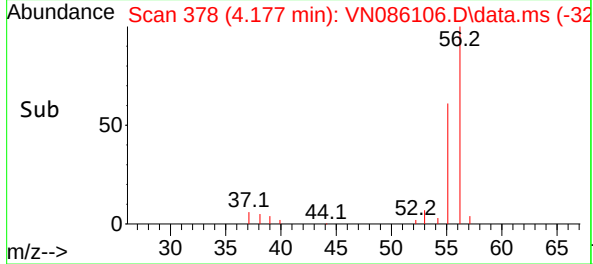
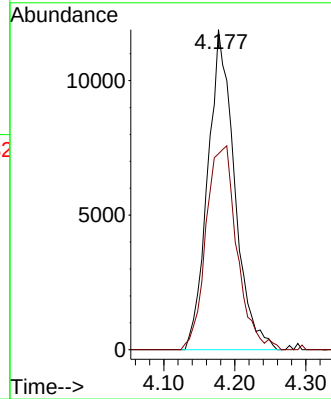
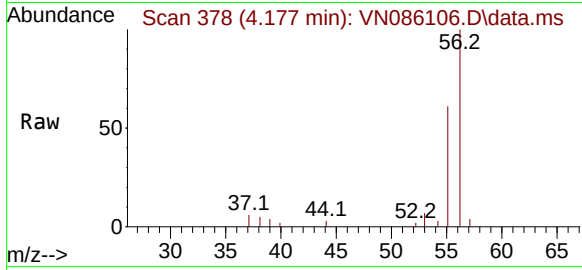
55 73.4 55.1 82.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#14

Allyl chloride

Concen: 17.924 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

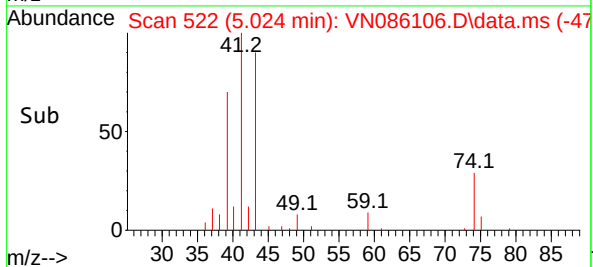
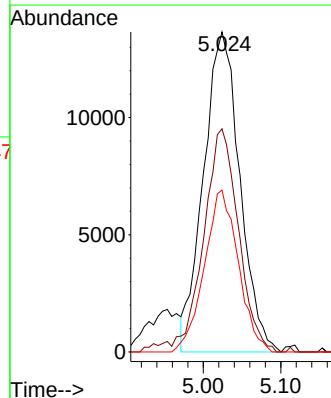
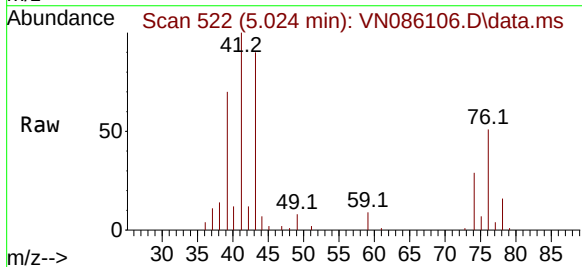
Tgt Ion: 41 Resp: 44521

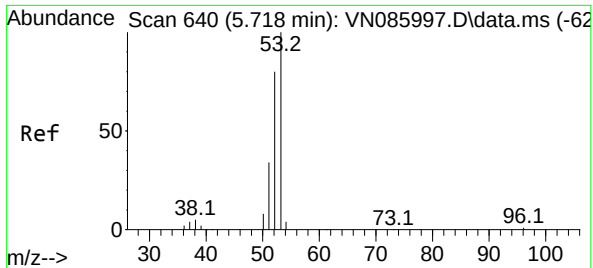
Ion Ratio Lower Upper

41 100

39 68.0 55.5 83.3

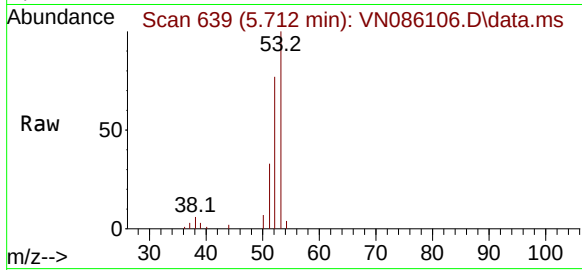
76 47.2 39.1 58.7





#15
Acrylonitrile
Concen: 93.624 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

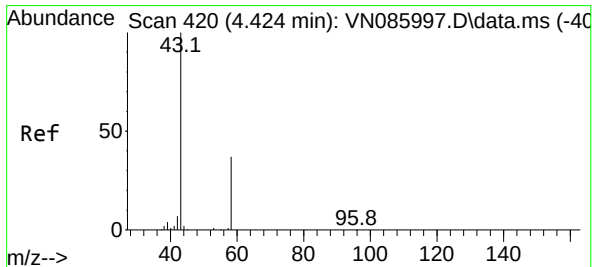
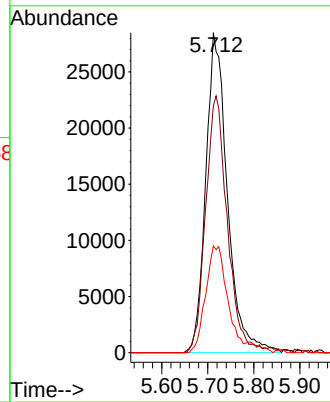
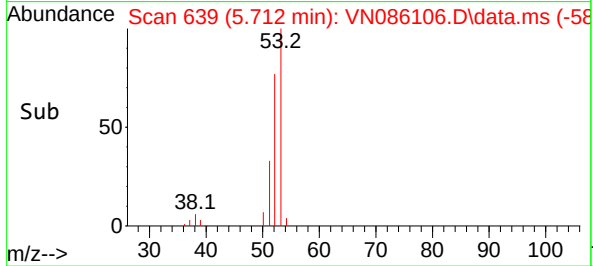
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion: 53 Resp: 9316
Ion Ratio Lower Upper
53 100
52 80.4 63.9 95.9
51 33.6 27.1 40.7

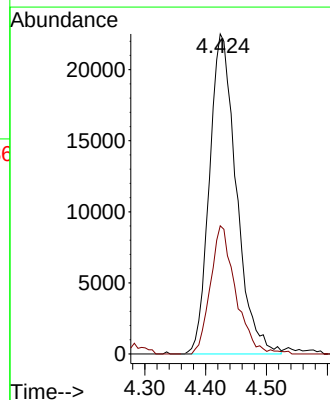
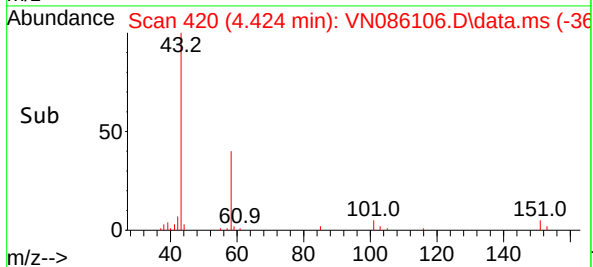
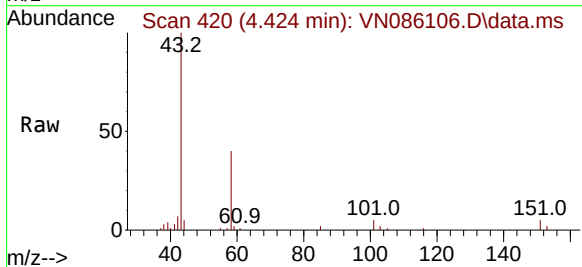
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APPROVED

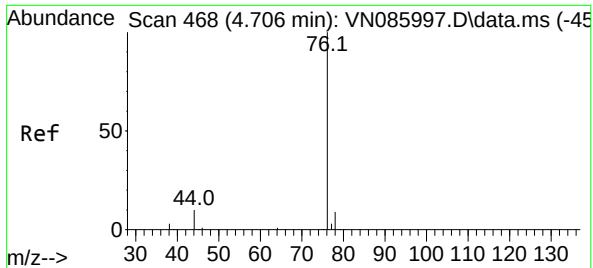
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#16
Acetone
Concen: 84.826 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

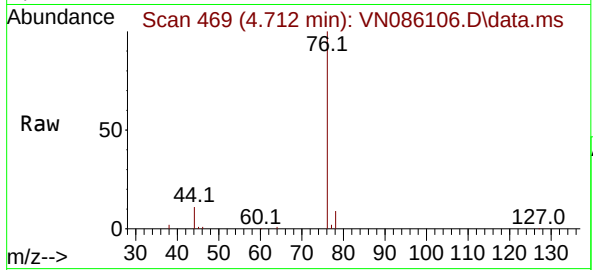
Tgt Ion: 43 Resp: 68966
Ion Ratio Lower Upper
43 100
58 40.0 29.4 44.2





#17
Carbon Disulfide
Concen: 16.777 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

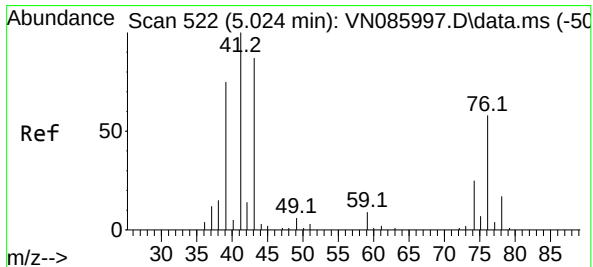
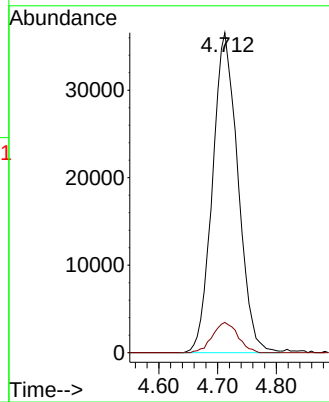
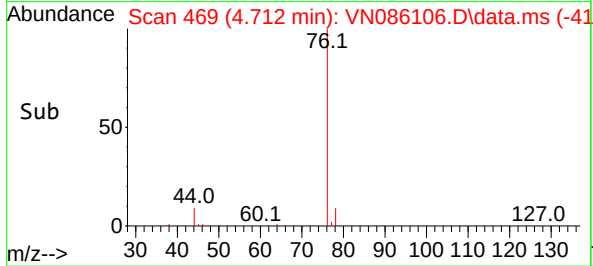
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion: 76 Resp: 109854
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2

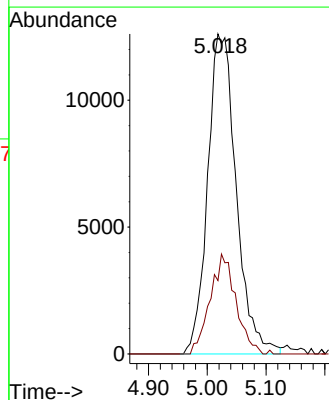
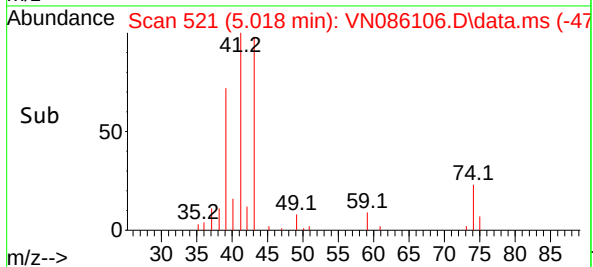
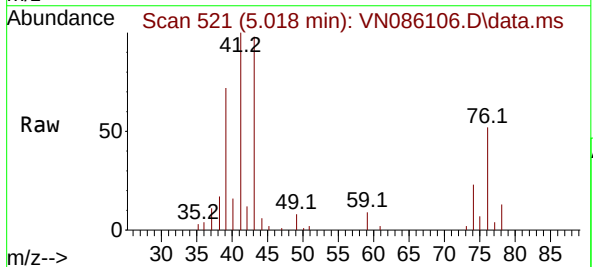
Manual Integrations
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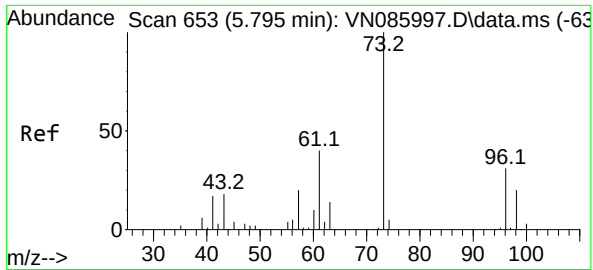
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#18
Methyl Acetate
Concen: 21.136 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion: 43 Resp: 42517
Ion Ratio Lower Upper
43 100
74 28.2 23.9 35.9





#19

Methyl tert-butyl Ether

Concen: 18.013 ug/l

RT: 5.795 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion: 73 Resp: 117524

Ion Ratio Lower Upper

73 100

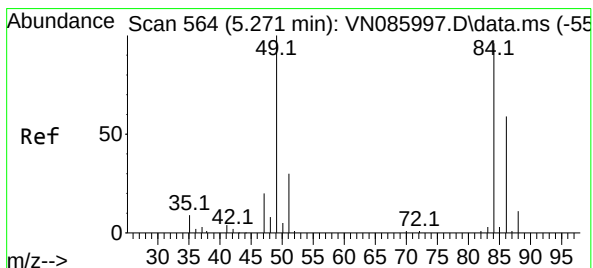
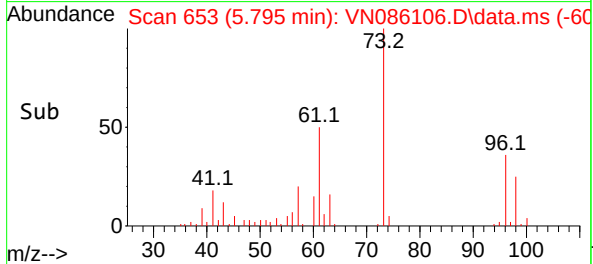
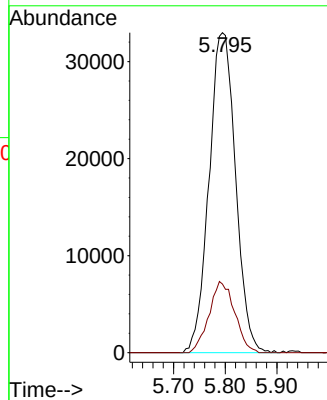
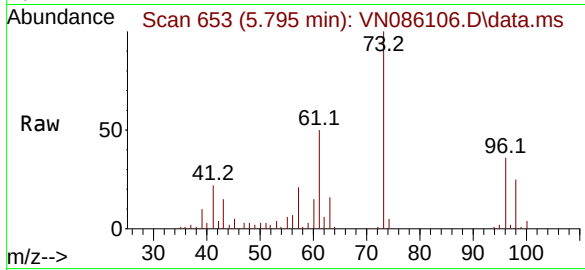
57 21.5 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#20

Methylene Chloride

Concen: 19.284 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Tgt Ion: 84 Resp: 45867

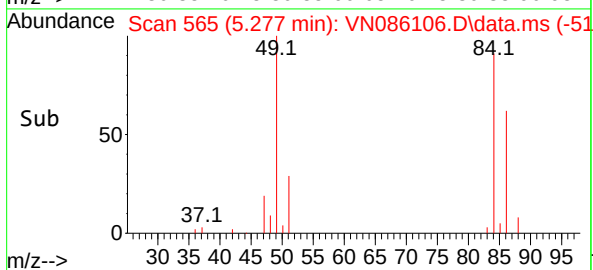
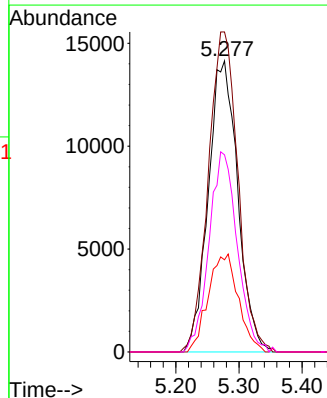
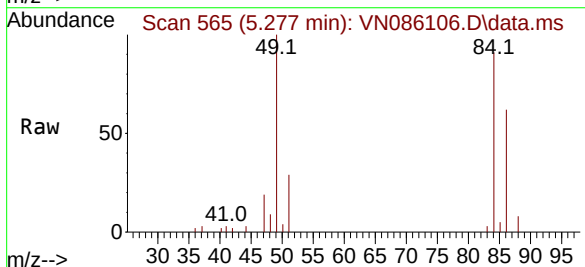
Ion Ratio Lower Upper

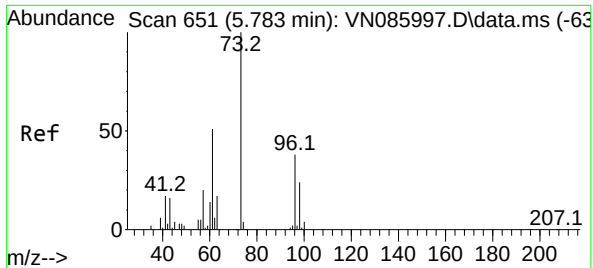
84 100

49 109.9 83.3 124.9

51 31.7 24.8 37.2

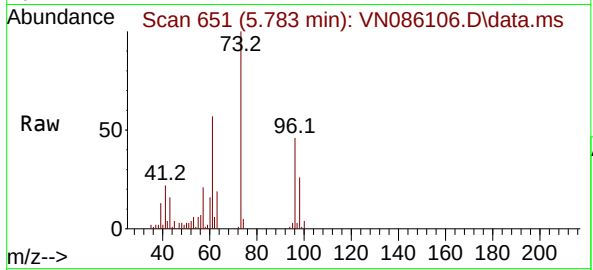
86 67.7 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 19.019 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

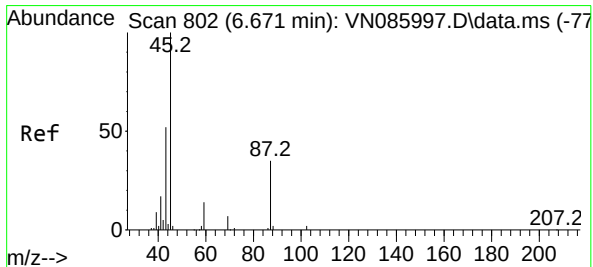
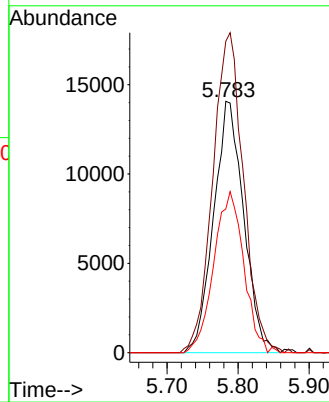
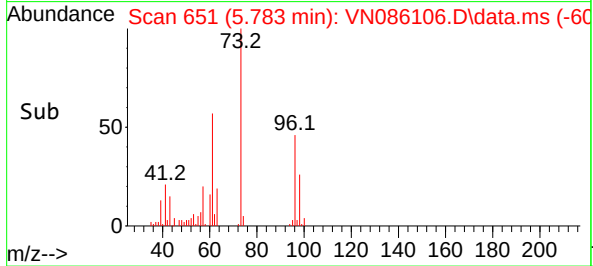
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion: 96 Resp: 41384
Ion Ratio Lower Upper
96 100
61 123.9 106.6 160.0
98 57.2 50.0 75.0

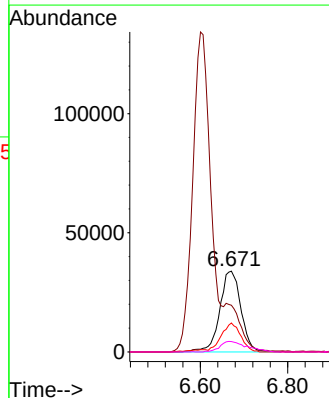
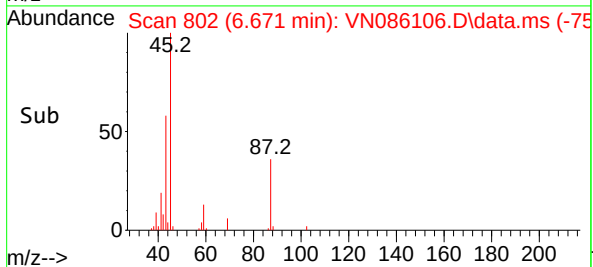
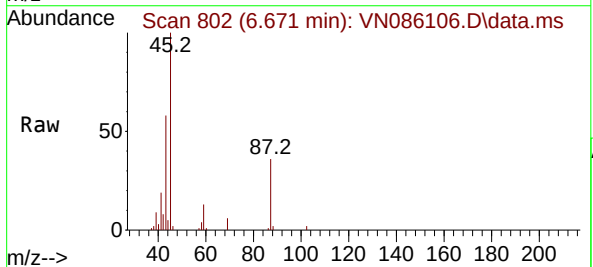
Manual Integrations
APPROVED

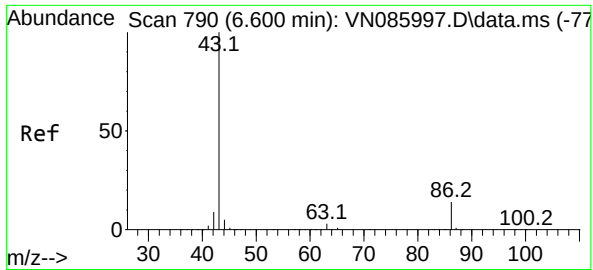
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#22
Diisopropyl ether
Concen: 21.481 ug/l
RT: 6.671 min Scan# 802
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

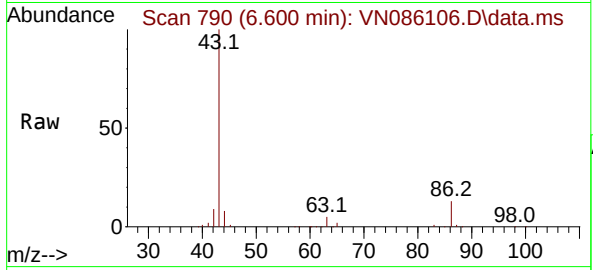
Tgt Ion: 45 Resp: 113703
Ion Ratio Lower Upper
45 100
43 56.6 41.2 61.8
87 35.9 28.5 42.7
59 12.9 11.2 16.8





#23
 Vinyl Acetate
 Concen: 95.992 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. -0.000 min
 Lab File: VN086106.D
 Acq: 25 Mar 2025 17:28

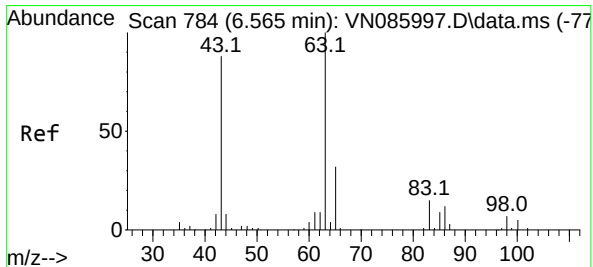
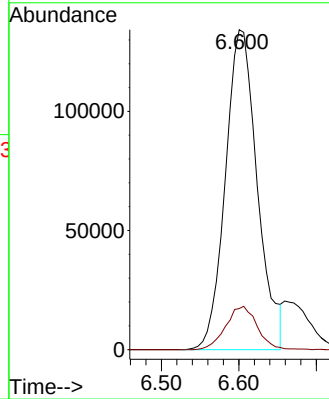
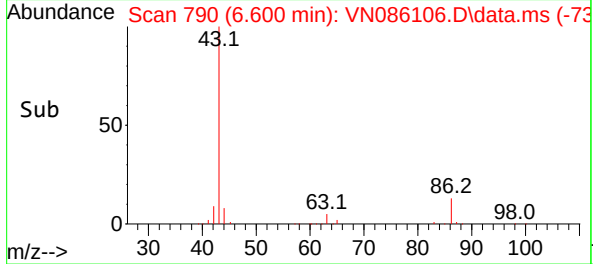
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01



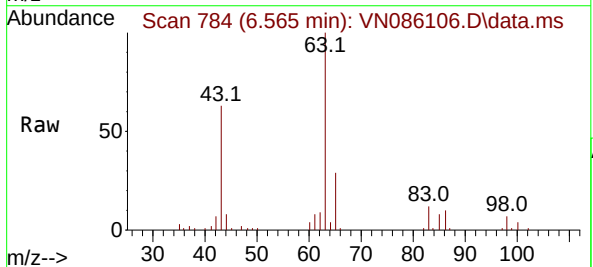
Tgt Ion: 43 Resp: 385170
 Ion Ratio Lower Upper
 43 100
 86 12.9 11.2 16.8

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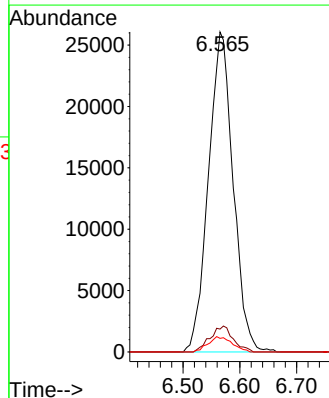
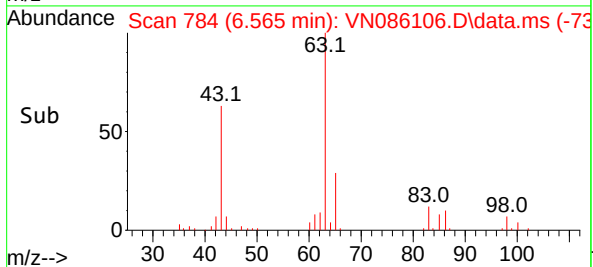
Reviewed By :John Carlone 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

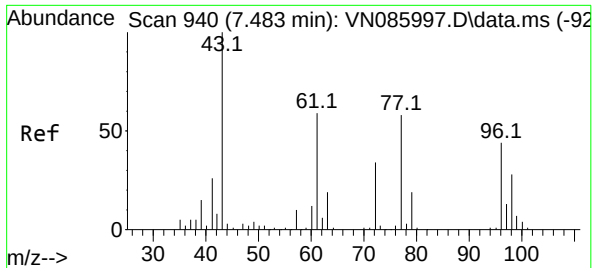


#24
 1,1-Dichloroethane
 Concen: 20.205 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. -0.000 min
 Lab File: VN086106.D
 Acq: 25 Mar 2025 17:28



Tgt Ion: 63 Resp: 78646
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.6 10.9
 100 4.3 2.5 7.5





#25

2-Butanone

Concen: 87.617 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion: 43 Resp: 10278

Ion Ratio Lower Upper

43 100

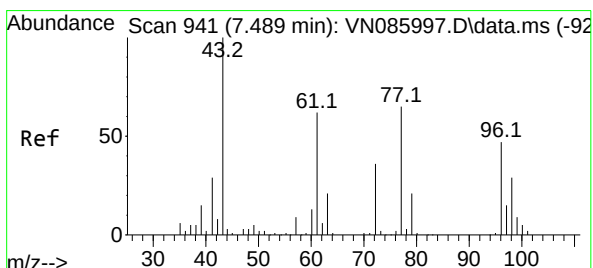
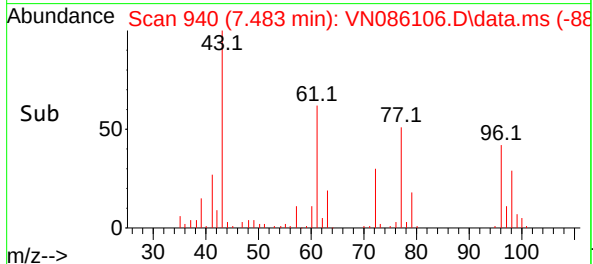
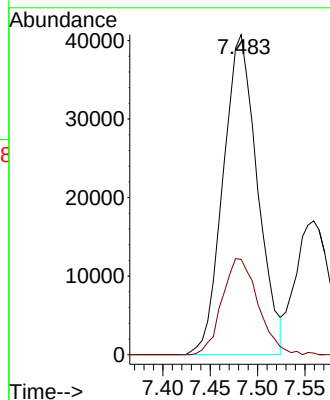
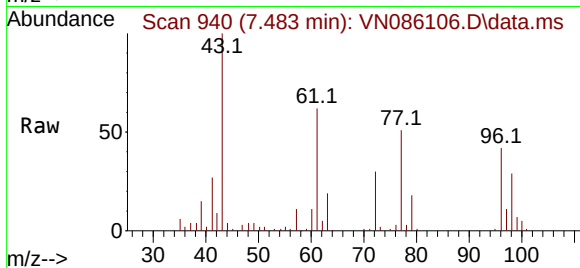
72 29.8 27.4 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#26

2,2-Dichloropropane

Concen: 16.148 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN086106.D

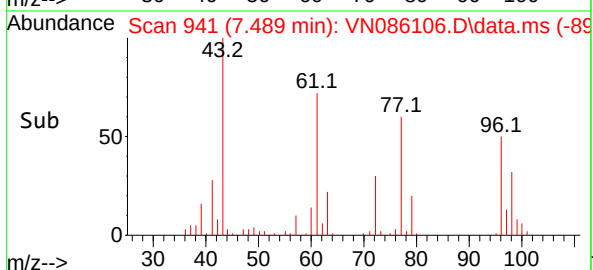
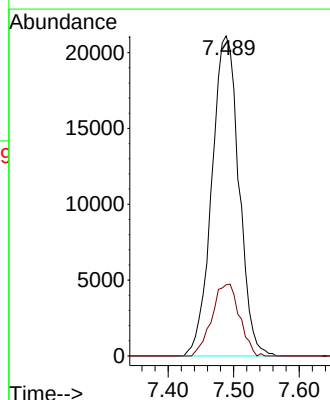
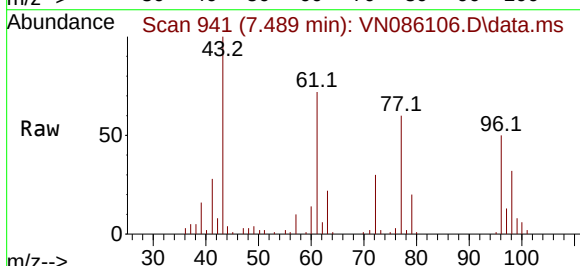
Acq: 25 Mar 2025 17:28

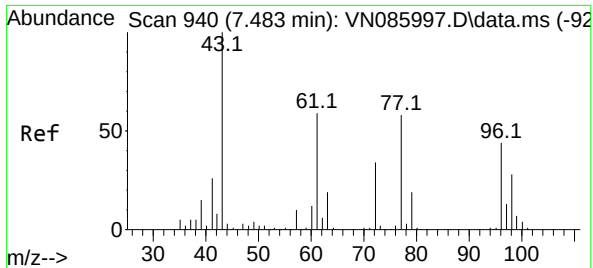
Tgt Ion: 77 Resp: 60514

Ion Ratio Lower Upper

77 100

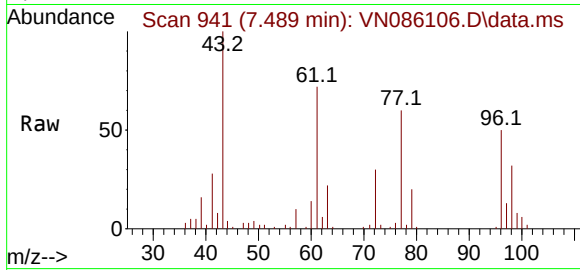
97 22.9 11.2 33.5





#27
cis-1,2-Dichloroethene
Concen: 19.012 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

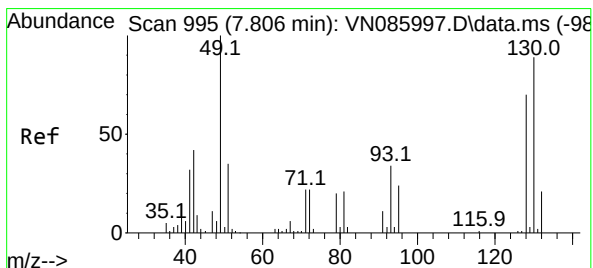
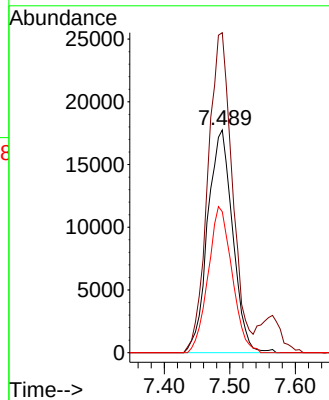
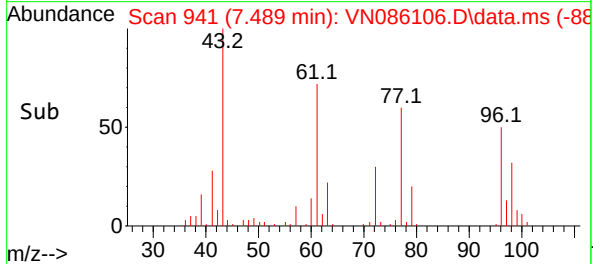
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion: 96 Resp: 47010
Ion Ratio Lower Upper
96 100
61 140.5 0.0 272.8
98 62.7 0.0 124.8

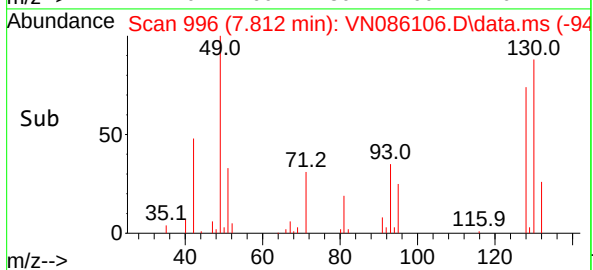
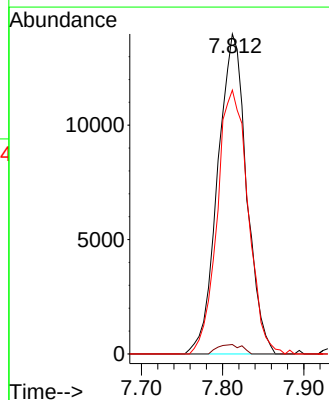
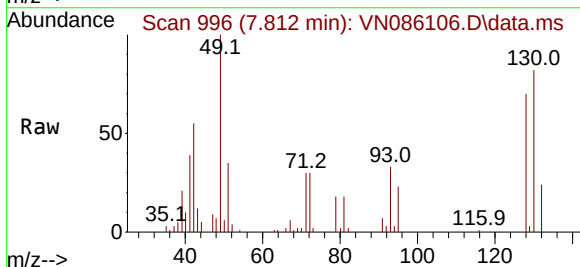
Manual Integrations
APPROVED

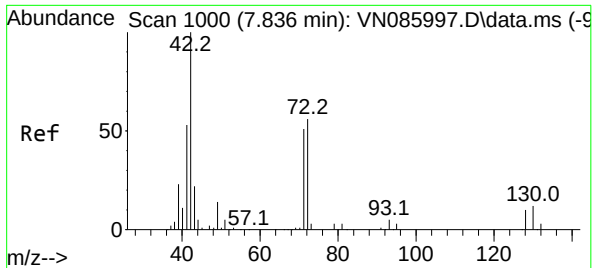
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#28
Bromochloromethane
Concen: 21.009 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion: 49 Resp: 34646
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.2
130 88.0 74.2 111.4





#29

Tetrahydrofuran

Concen: 96.086 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion: 42 Resp: 6959

Ion Ratio Lower Upper

42 100

72 51.5 45.0 67.4

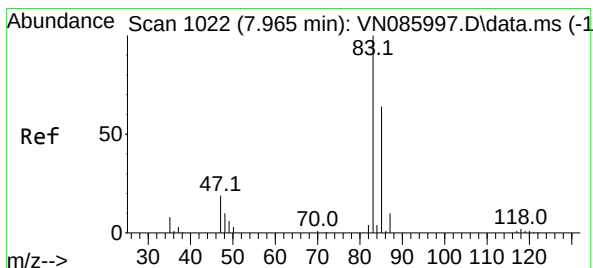
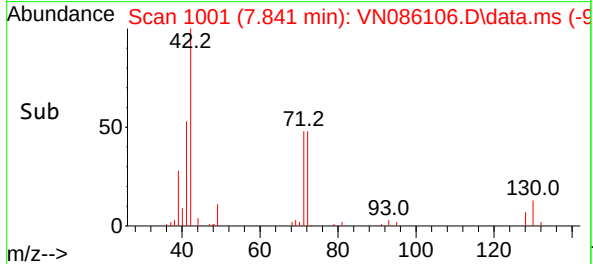
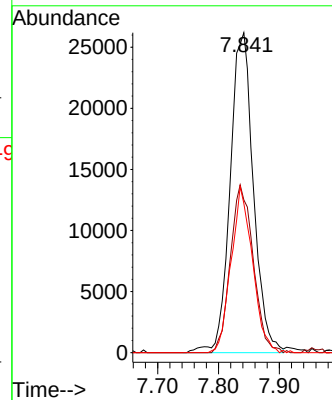
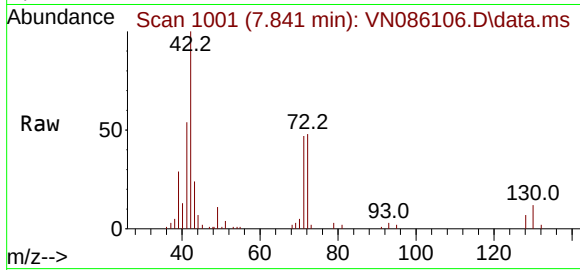
71 47.8 41.9 62.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#30

Chloroform

Concen: 19.749 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086106.D

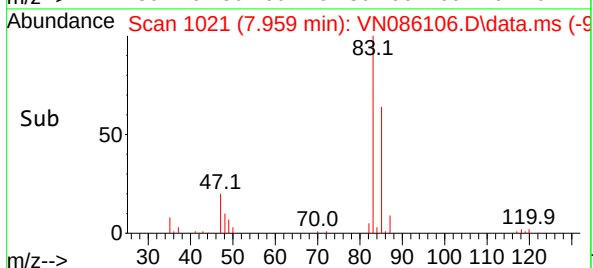
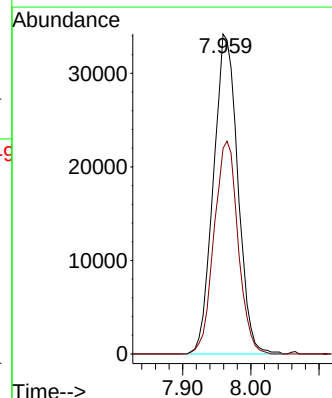
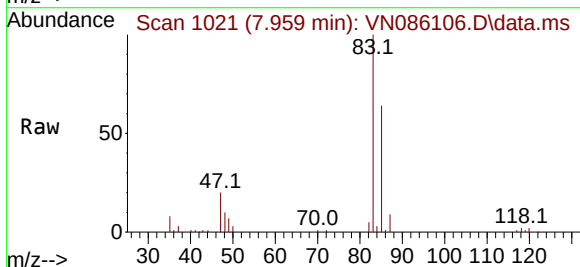
Acq: 25 Mar 2025 17:28

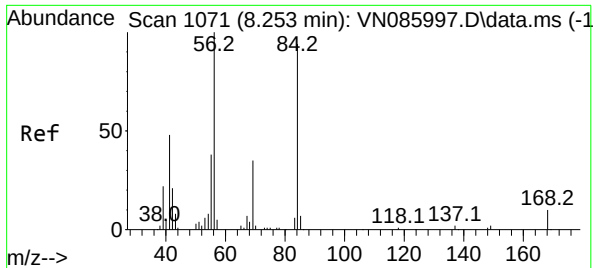
Tgt Ion: 83 Resp: 84967

Ion Ratio Lower Upper

83 100

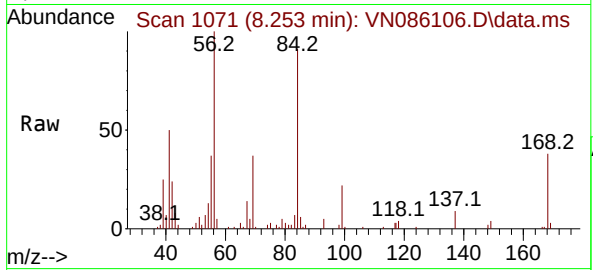
85 64.3 51.5 77.3





#31
Cyclohexane
Concen: 19.081 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

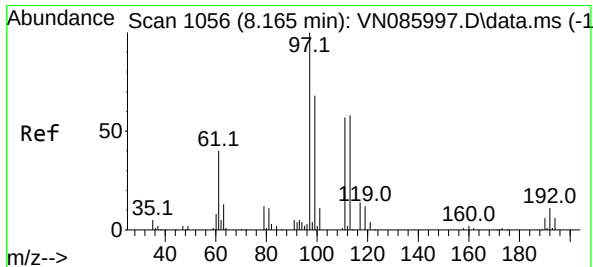
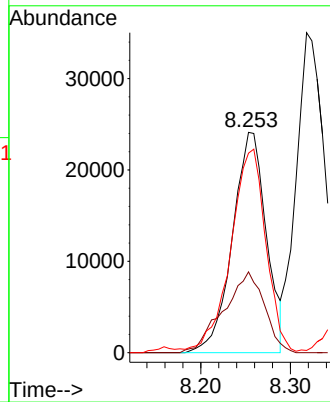
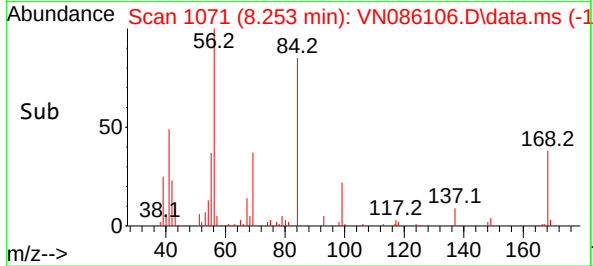
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



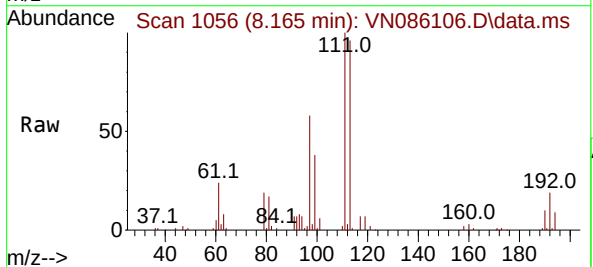
Tgt Ion: 56 Resp: 63270
Ion Ratio Lower Upper
56 100
69 36.7 28.0 42.0
84 88.8 75.0 112.6

Manual Integrations
APPROVED

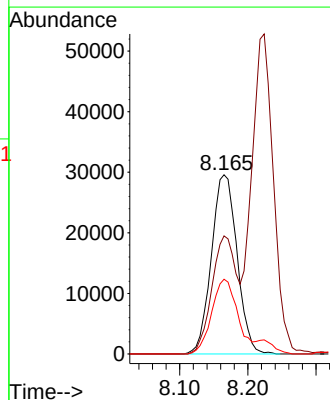
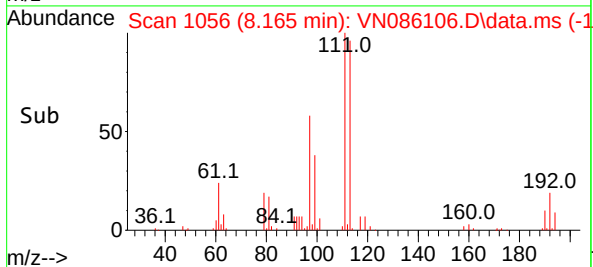
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

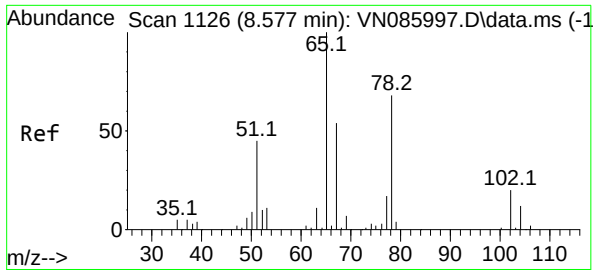


#32
1,1,1-Trichloroethane
Concen: 19.018 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28



Tgt Ion: 97 Resp: 77454
Ion Ratio Lower Upper
97 100
99 63.2 52.8 79.2
61 42.9 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 52.395 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion: 65 Resp: 139438

Ion Ratio Lower Upper

65 100

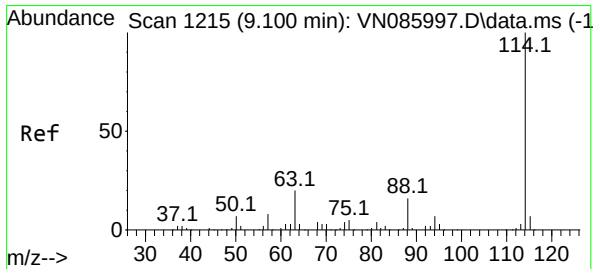
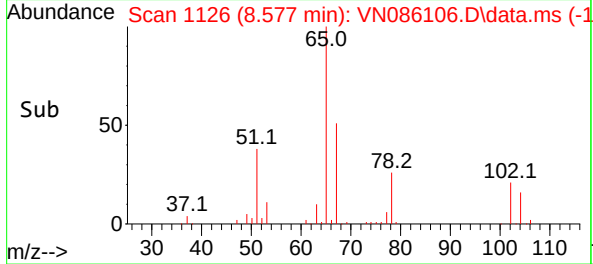
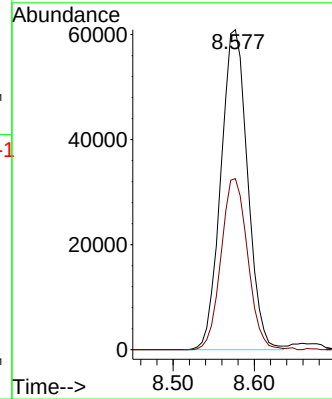
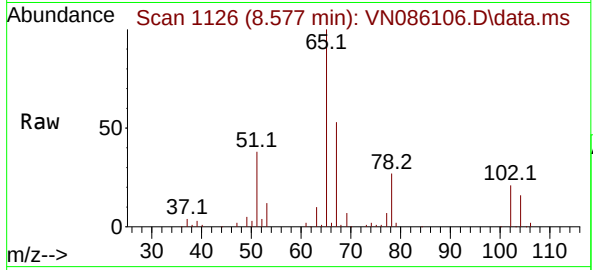
67 53.2 0.0 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

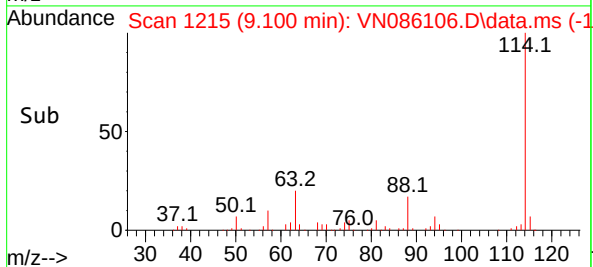
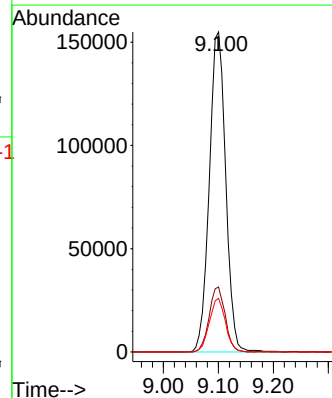
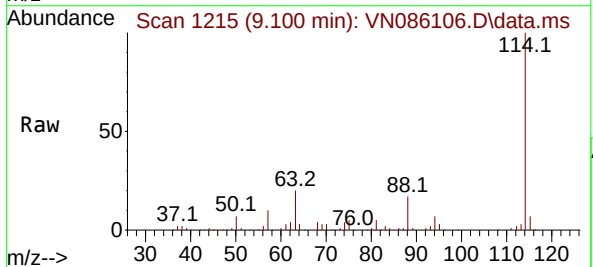
Tgt Ion:114 Resp: 321428

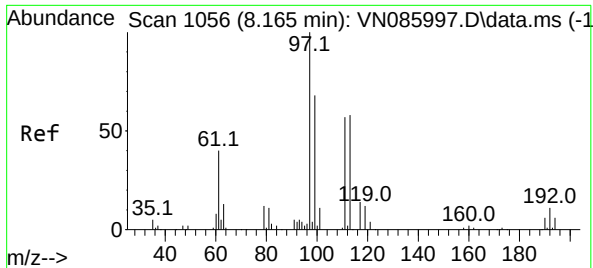
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.362 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion:113 Resp: 11523

Ion Ratio Lower Upper

113 100

111 105.7 81.8 122.8

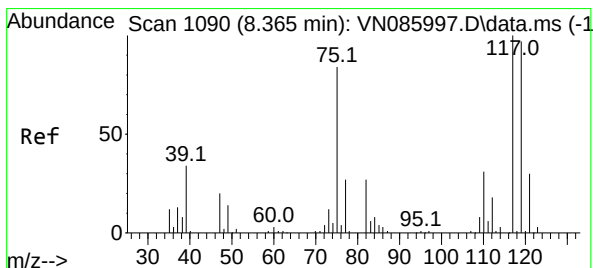
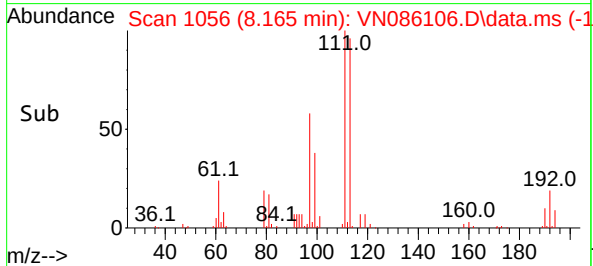
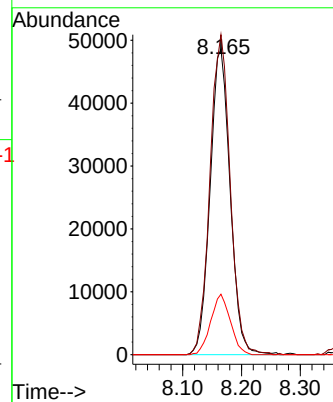
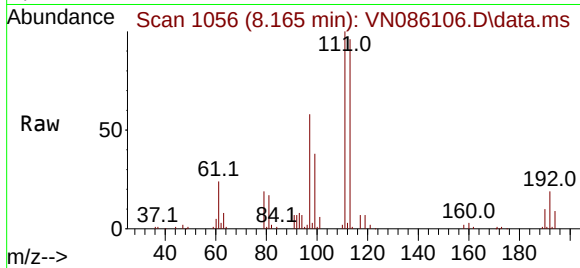
192 19.4 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#36

1,1-Dichloropropene

Concen: 18.990 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

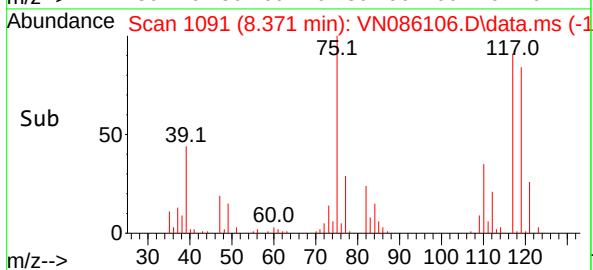
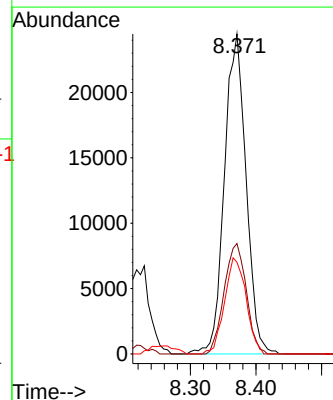
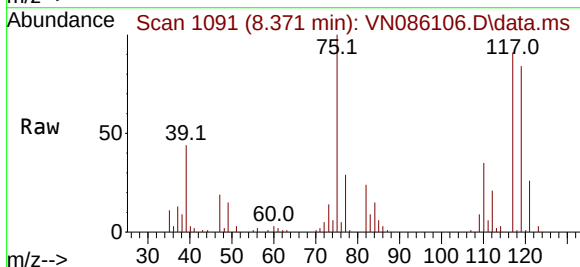
Tgt Ion: 75 Resp: 56101

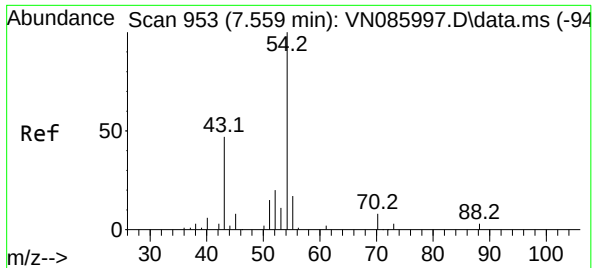
Ion Ratio Lower Upper

75 100

110 35.2 17.8 53.3

77 29.9 25.0 37.4





#37

Ethyl Acetate

Concen: 18.661 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

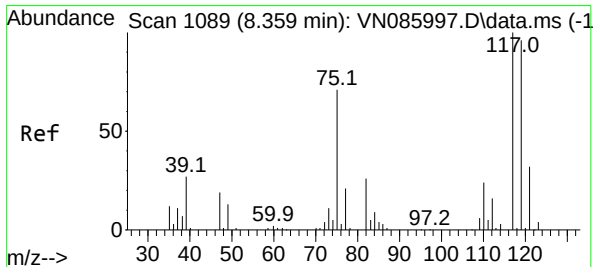
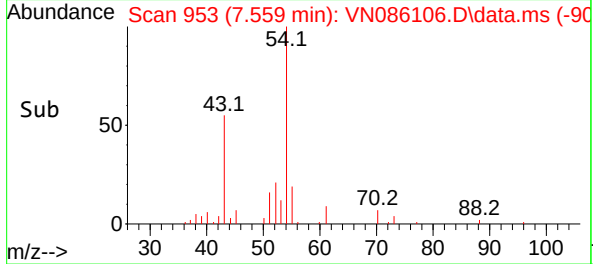
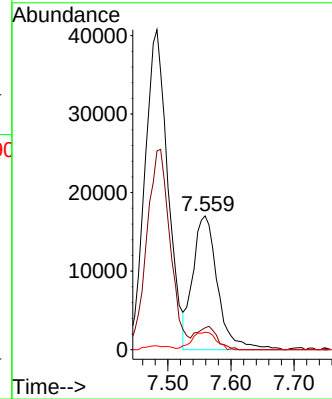
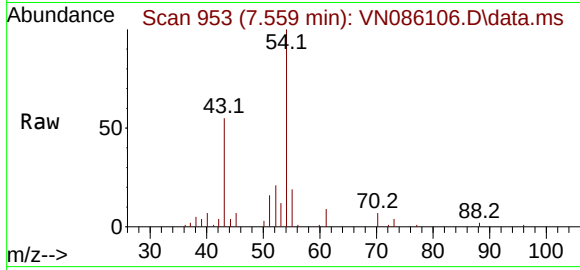
ClientSampleId :

VN0325WBSD01

Tgt Ion:	43	Resp:	4650
Ion Ratio	Lower	Upper	
43	100		
61	14.7	13.0	19.4
70	12.9	11.0	16.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#38

Carbon Tetrachloride

Concen: 18.115 ug/l

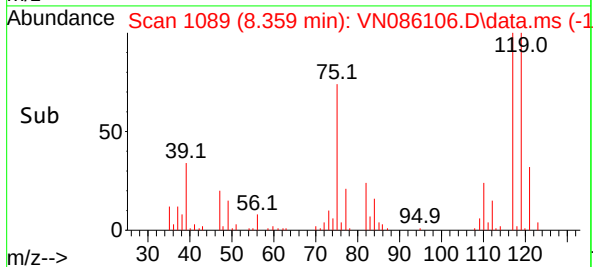
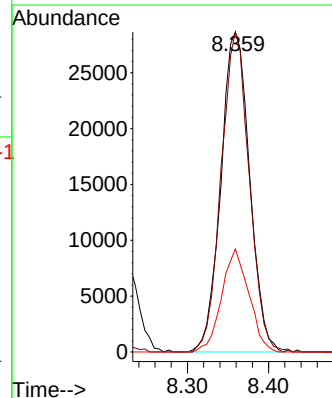
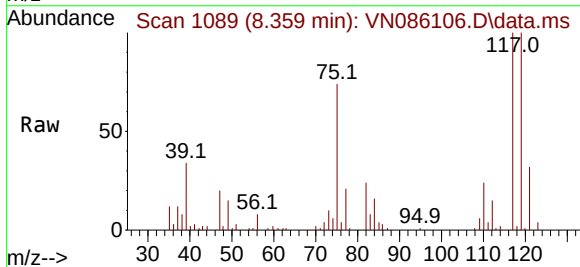
RT: 8.359 min Scan# 1089

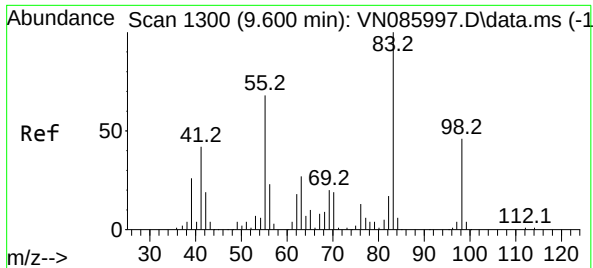
Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Tgt Ion:	117	Resp:	70363
Ion Ratio	Lower	Upper	
117	100		
119	99.9	77.0	115.4
121	32.2	25.6	38.4





#39

Methylcyclohexane

Concen: 17.206 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion: 83 Resp: 5043

Ion Ratio Lower Upper

83 100

55 73.6 54.2 81.2

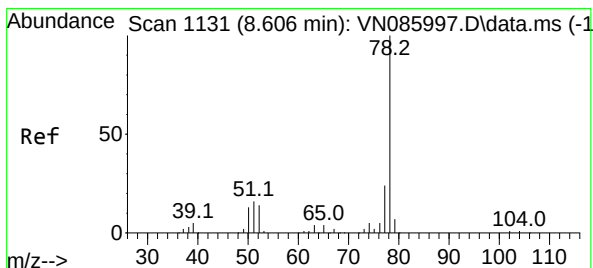
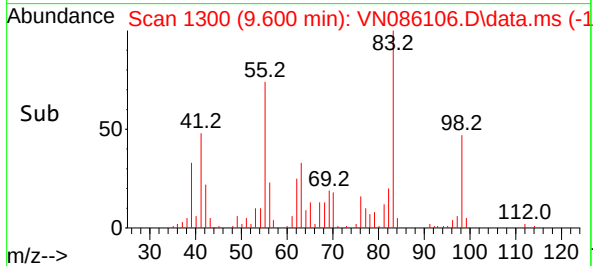
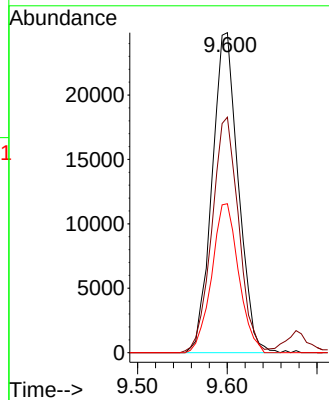
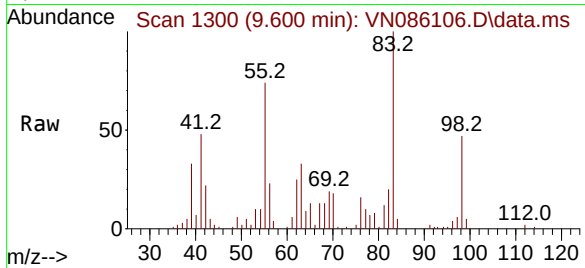
98 46.6 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#40

Benzene

Concen: 19.459 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN086106.D

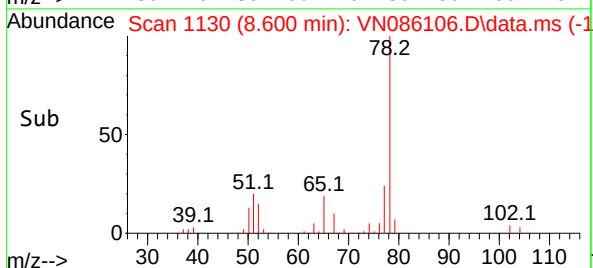
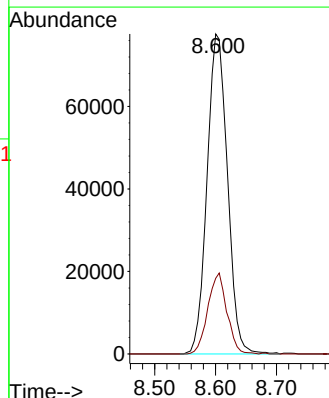
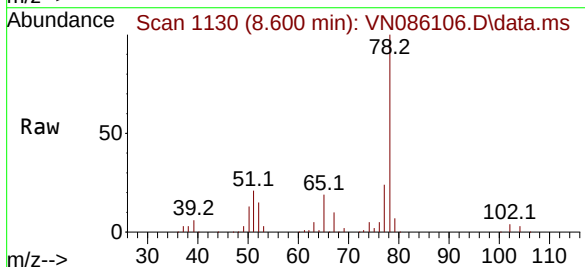
Acq: 25 Mar 2025 17:28

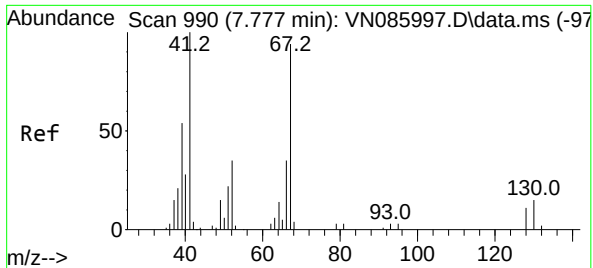
Tgt Ion: 78 Resp: 180463

Ion Ratio Lower Upper

78 100

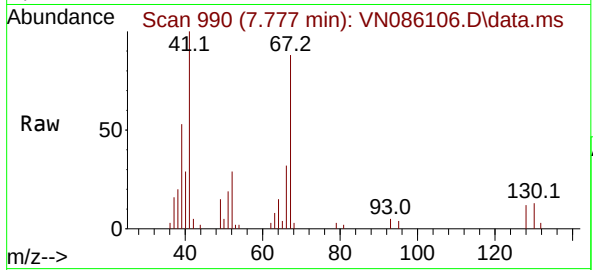
77 23.6 18.9 28.3





#41
Methacrylonitrile
Concen: 19.147 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

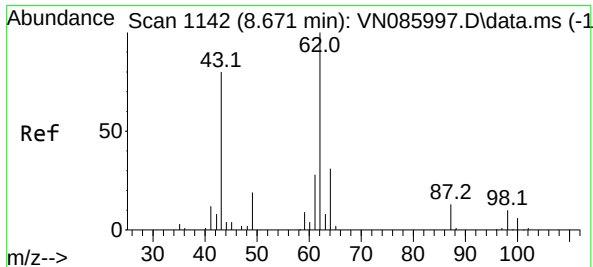
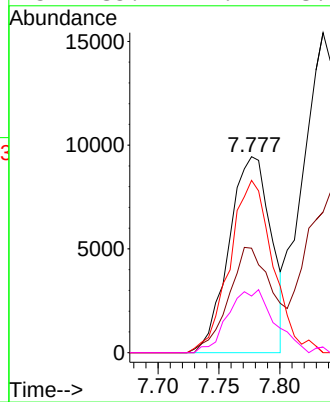
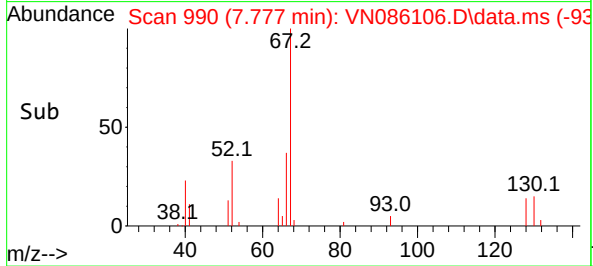
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion: 41 Resp: 22780
Ion Ratio Lower Upper
41 100
39 56.3 46.2 69.2
67 90.3 75.9 113.9
52 35.1 29.2 43.8

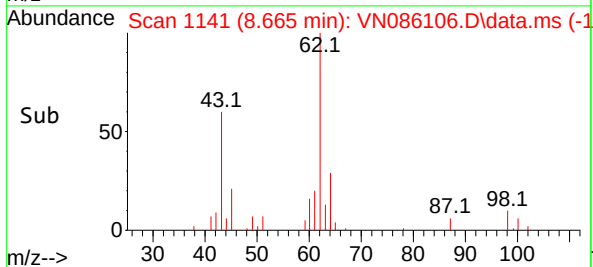
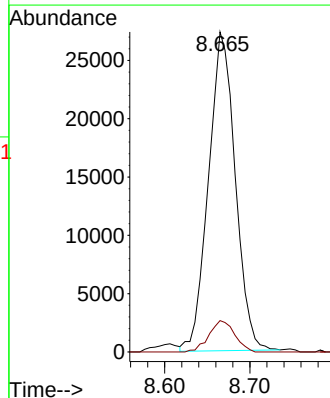
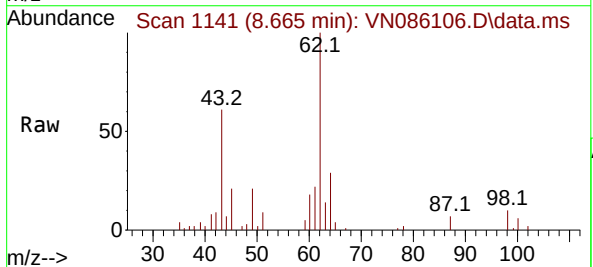
Manual Integrations
APPROVED

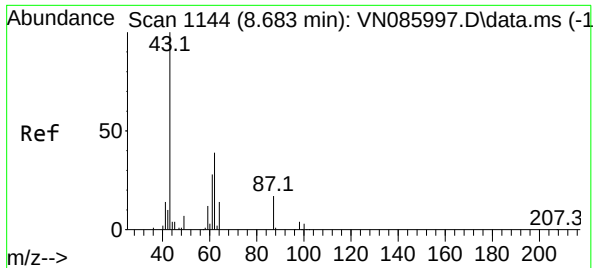
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#42
1,2-Dichloroethane
Concen: 18.451 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

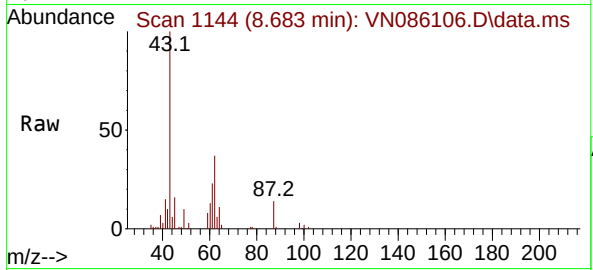
Tgt Ion: 62 Resp: 59622
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.6





#43
Isopropyl Acetate
Concen: 20.079 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

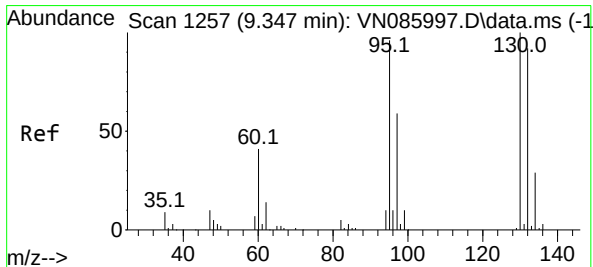
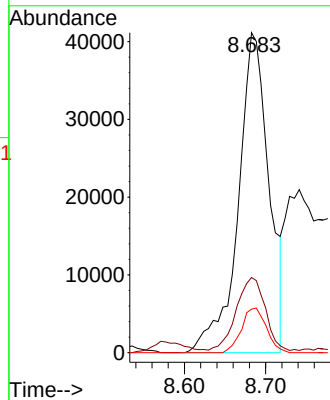
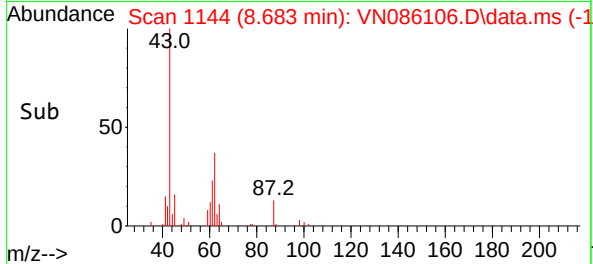
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion: 43 Resp: 108430
Ion Ratio Lower Upper
43 100
61 21.7 25.0 37.6
87 11.3 13.0 19.4

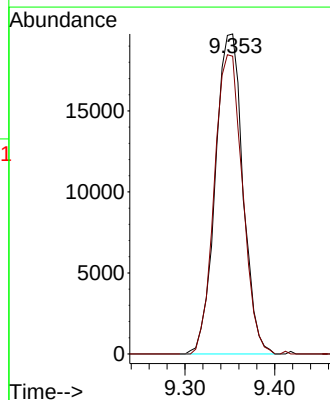
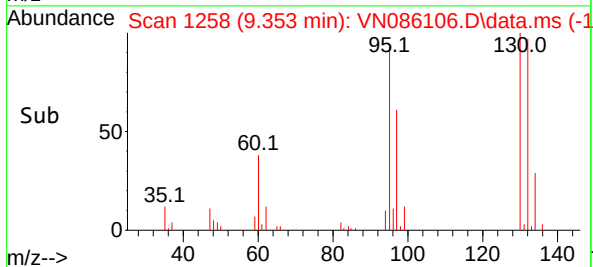
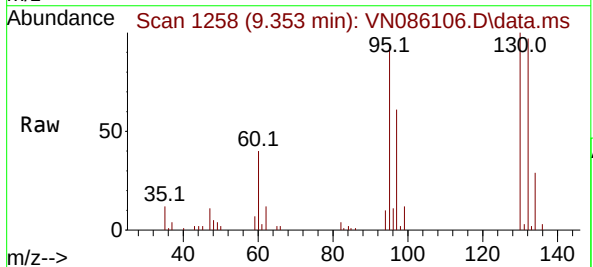
Manual Integrations
APPROVED

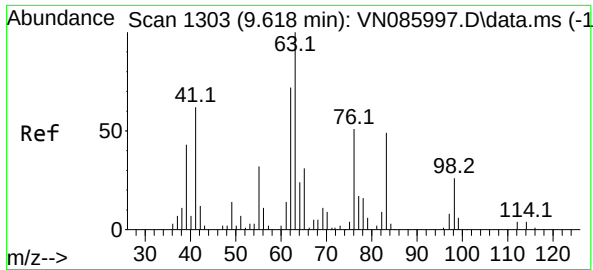
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#44
Trichloroethene
Concen: 17.521 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion:130 Resp: 42112
Ion Ratio Lower Upper
130 100
95 93.1 0.0 191.6





#45

1,2-Dichloropropane

Concen: 19.913 ug/l

RT: 9.618 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion: 63 Resp: 4200

Ion Ratio Lower Upper

63 100

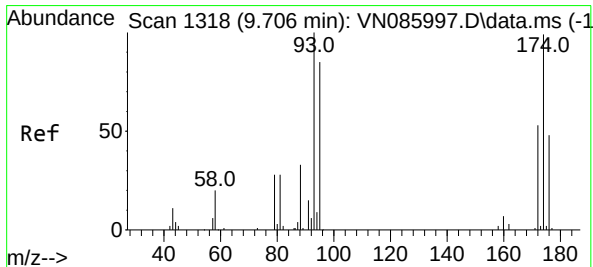
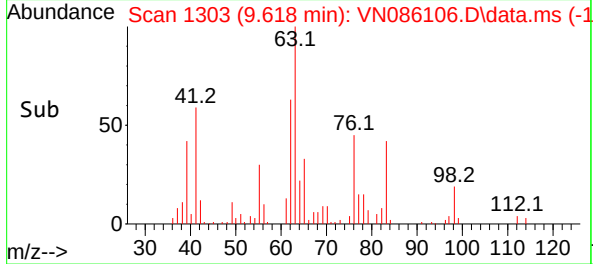
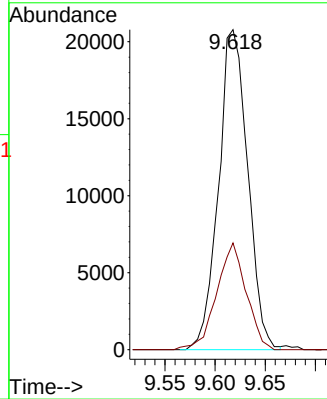
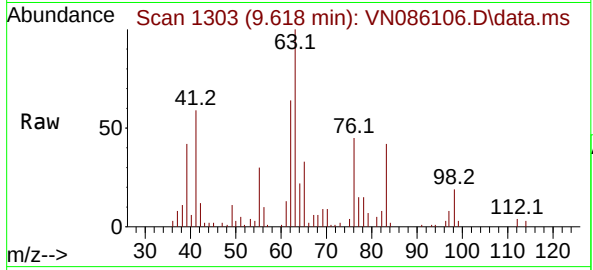
65 33.4 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#46

Dibromomethane

Concen: 18.942 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. -0.006 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

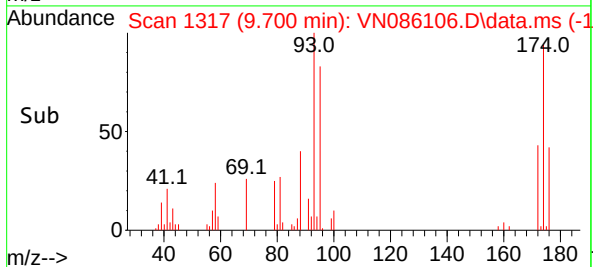
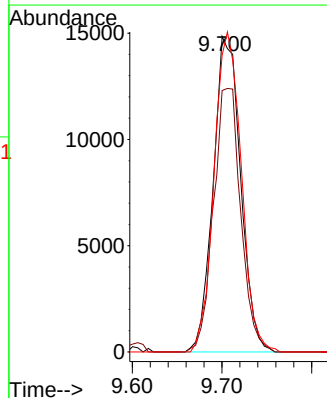
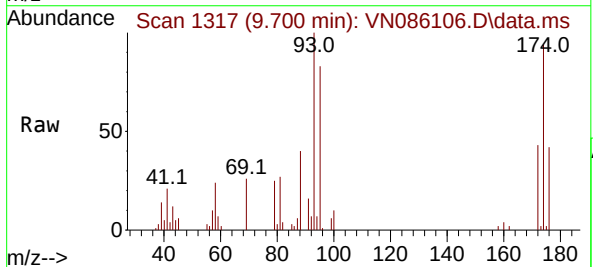
Tgt Ion: 93 Resp: 31421

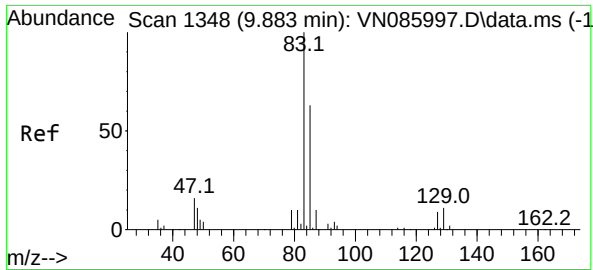
Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.2

174 100.5 80.1 120.1





#47

Bromodichloromethane

Concen: 19.021 ug/l

RT: 9.883 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

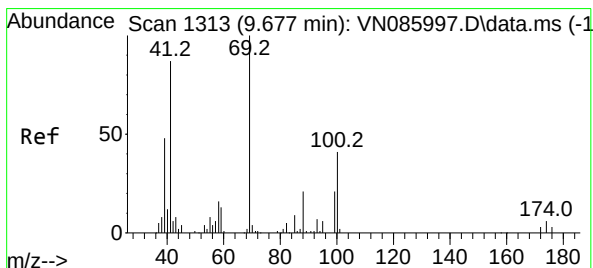
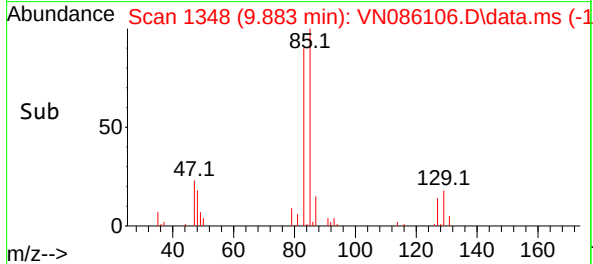
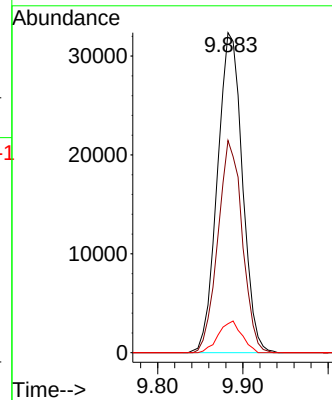
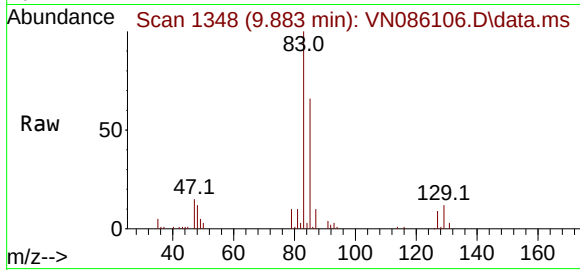
Tgt Ion:	83	Resp:	6594
Ion Ratio	Lower	Upper	
83	100		
85	66.3	50.2	75.2
127	9.1	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#48

Methyl methacrylate

Concen: 17.866 ug/l

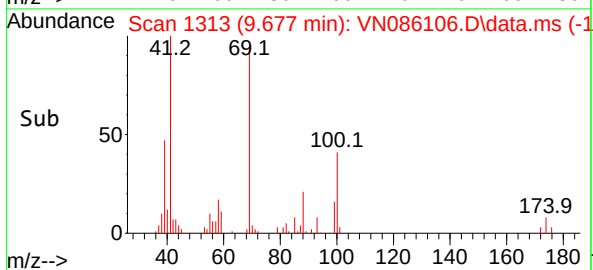
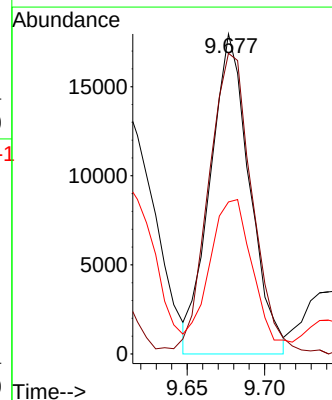
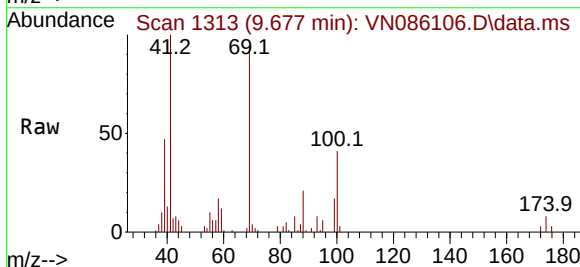
RT: 9.677 min Scan# 1313

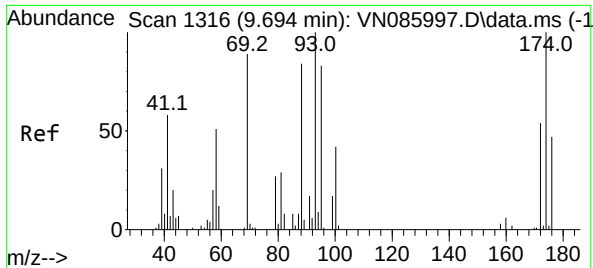
Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Tgt Ion:	41	Resp:	31840
Ion Ratio	Lower	Upper	
41	100		
69	103.8	83.1	124.7
39	54.6	45.6	68.4





#49

1,4-Dioxane

Concen: 344.062 ug/l

RT: 9.688 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion: 88 Resp: 1449

Ion Ratio Lower Upper

88 100

43 18.0 21.7 32.5

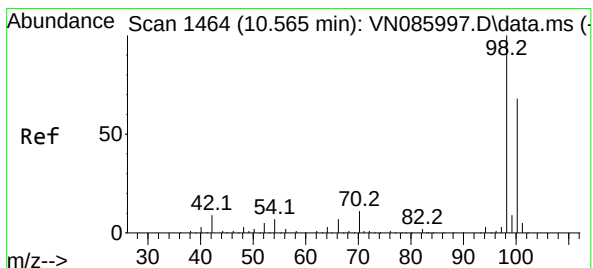
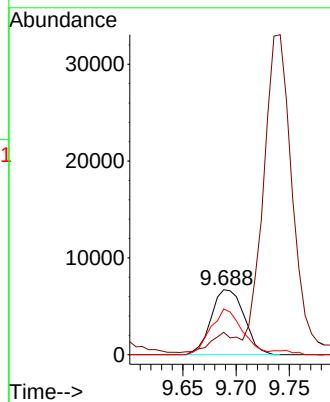
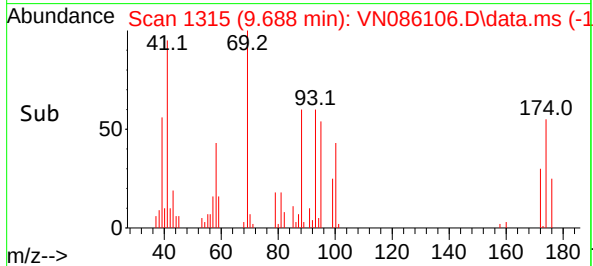
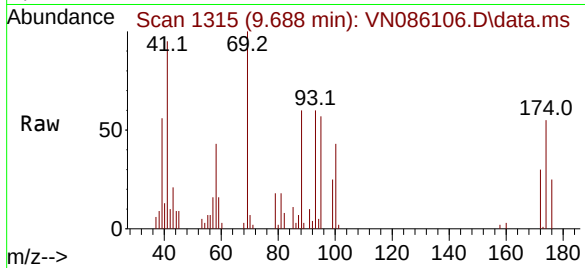
58 67.2 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#50

Toluene-d8

Concen: 52.931 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086106.D

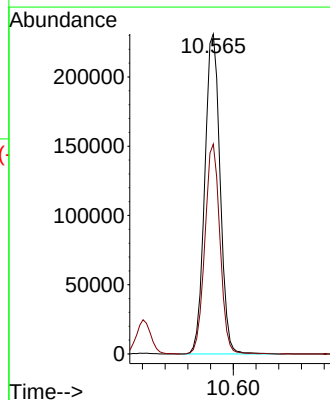
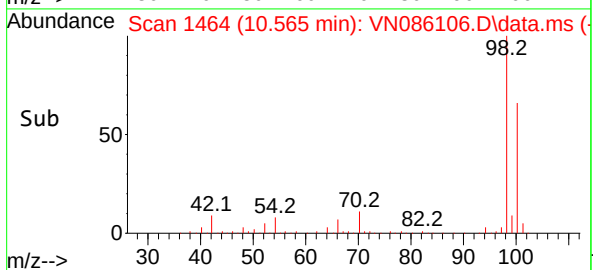
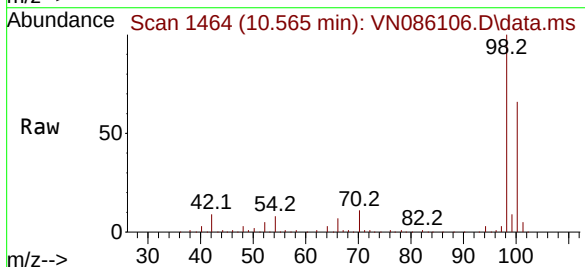
Acq: 25 Mar 2025 17:28

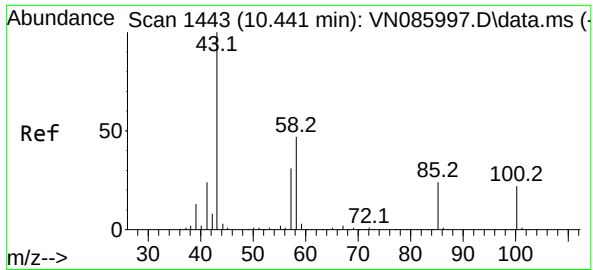
Tgt Ion: 98 Resp: 430988

Ion Ratio Lower Upper

98 100

100 64.6 53.1 79.7





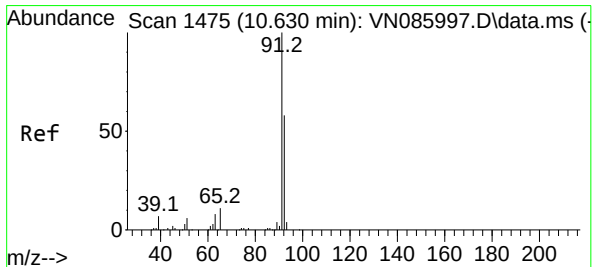
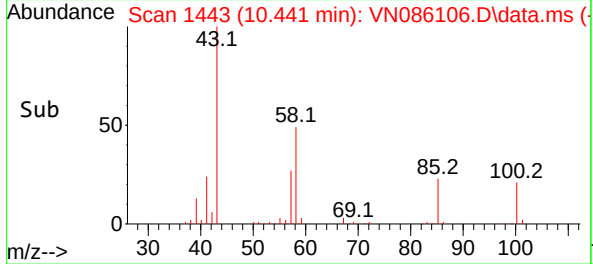
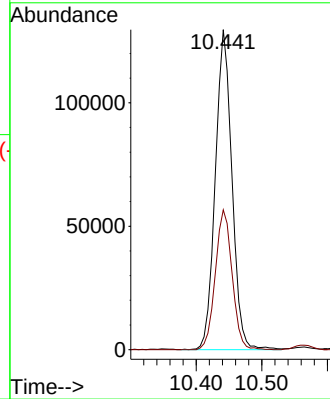
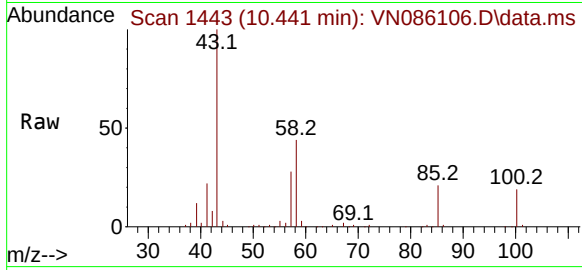
#51
4-Methyl-2-Pentanone
Concen: 95.800 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tgt Ion: 43 Resp: 228174
Ion Ratio Lower Upper
43 100
58 44.1 37.4 56.0

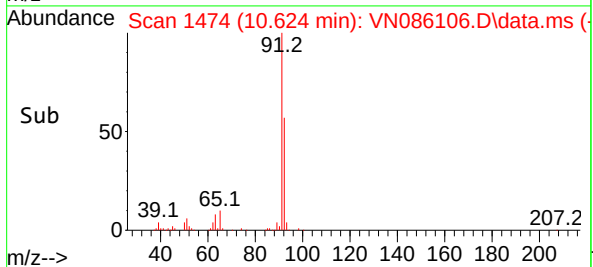
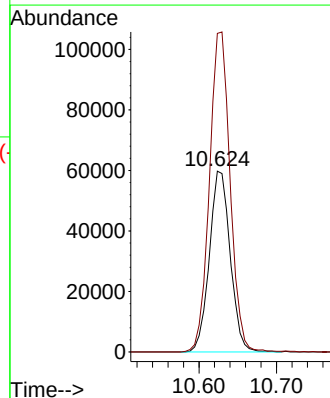
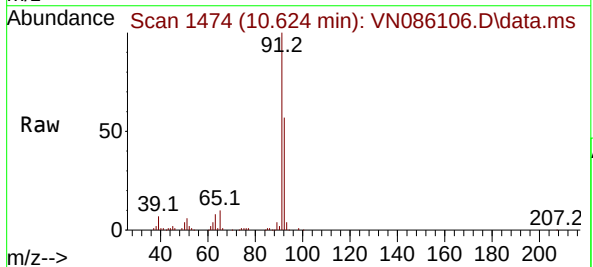
Manual Integrations
APPROVED

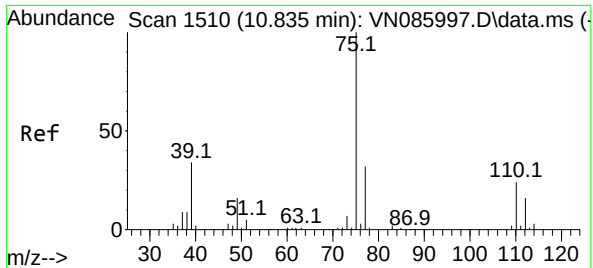
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#52
Toluene
Concen: 19.616 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

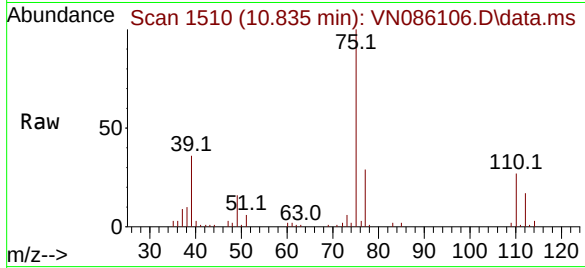
Tgt Ion: 92 Resp: 111651
Ion Ratio Lower Upper
92 100
91 175.4 136.2 204.4





#53
t-1,3-Dichloropropene
Concen: 17.692 ug/l
RT: 10.835 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

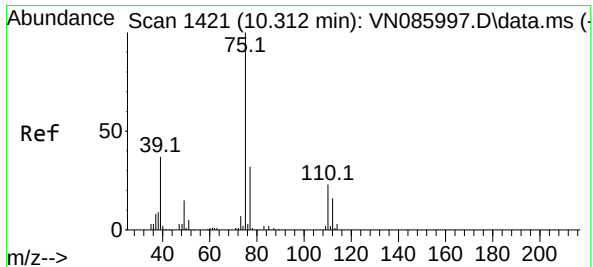
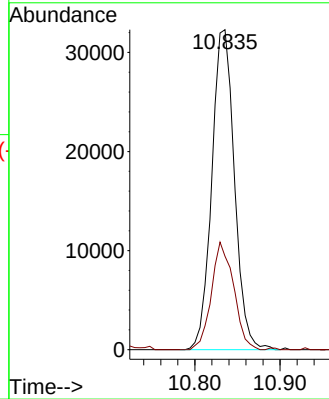
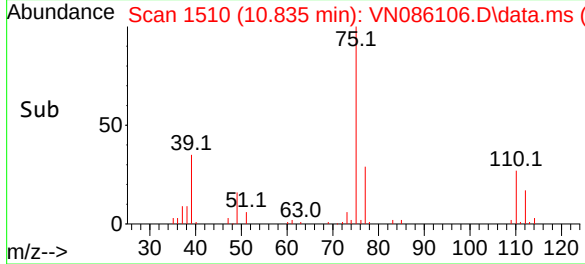
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



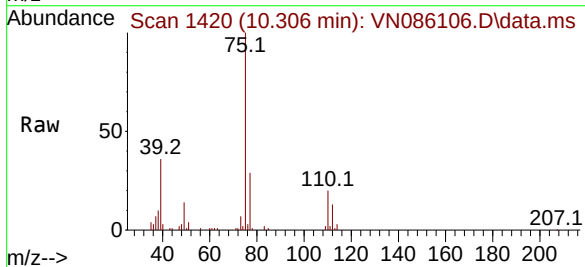
Tgt Ion: 75 Resp: 5956
Ion Ratio Lower Upper
75 100
77 29.2 25.3 37.9

Manual Integrations
APPROVED

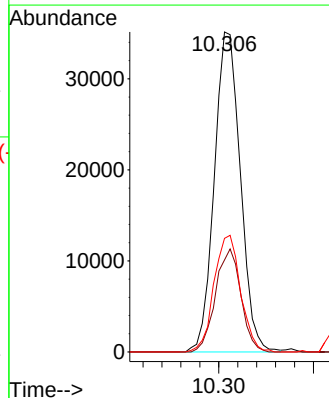
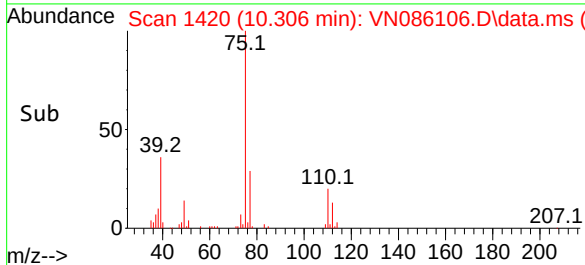
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

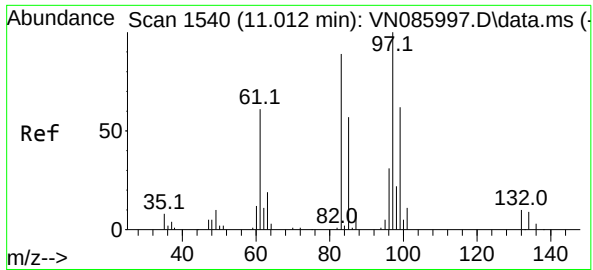


#54
cis-1,3-Dichloropropene
Concen: 18.900 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28



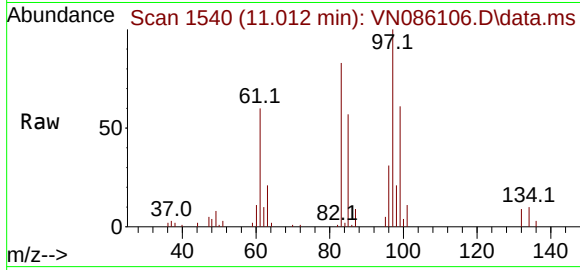
Tgt Ion: 75 Resp: 67138
Ion Ratio Lower Upper
75 100
77 28.8 25.3 37.9
39 35.5 29.6 44.4





#55
1,1,2-Trichloroethane
Concen: 19.780 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

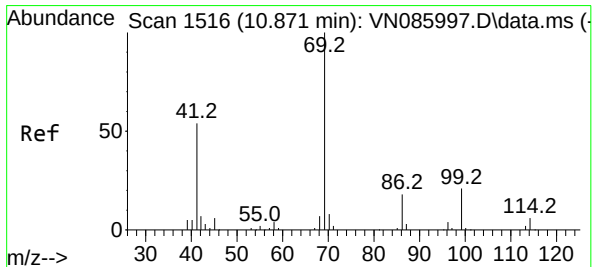
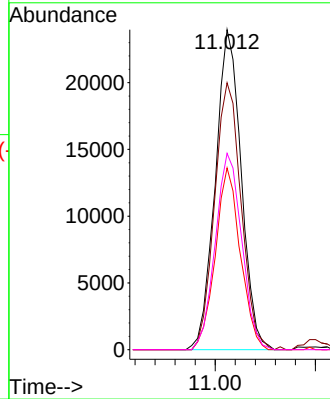
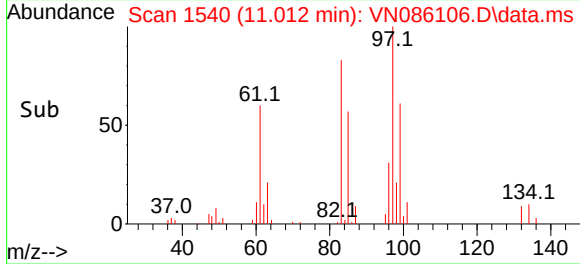
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion: 97 Resp: 4297
Ion Ratio Lower Upper
97 100
83 83.4 71.2 106.8
85 56.8 45.4 68.0
99 61.3 49.5 74.3

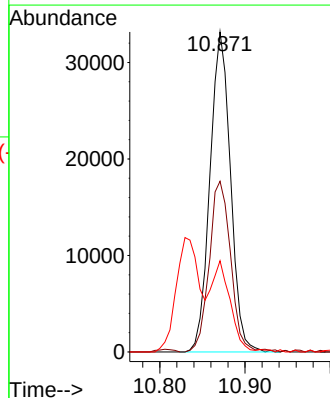
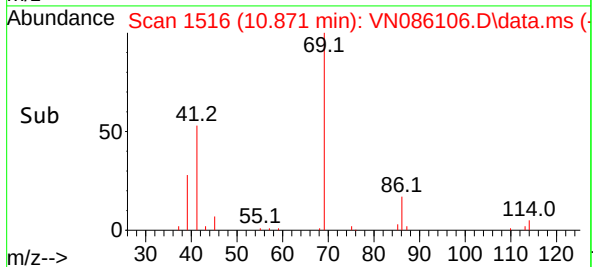
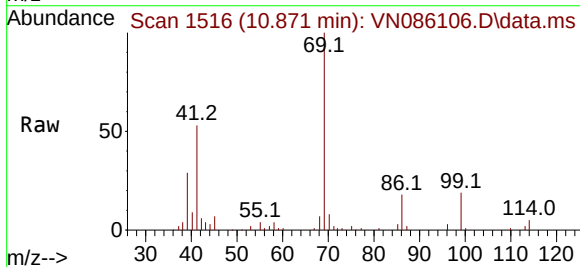
Manual Integrations
APPROVED

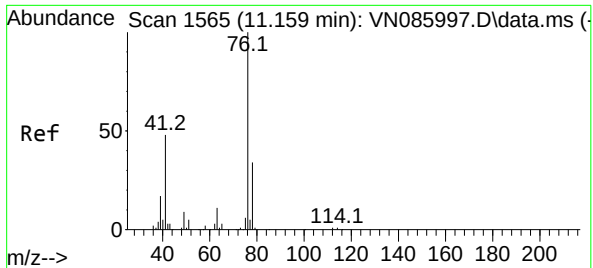
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#56
Ethyl methacrylate
Concen: 18.810 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion: 69 Resp: 55521
Ion Ratio Lower Upper
69 100
41 55.9 41.6 62.4
39 25.8 21.8 32.8





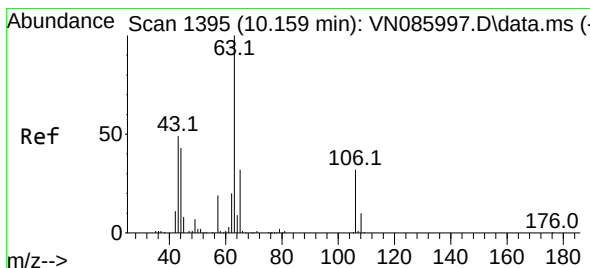
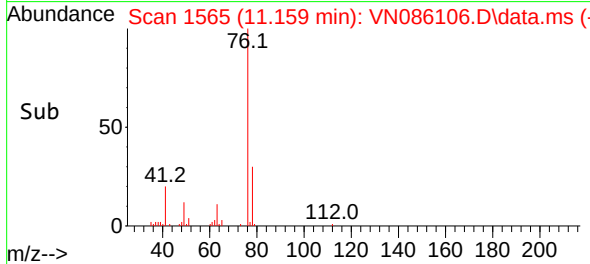
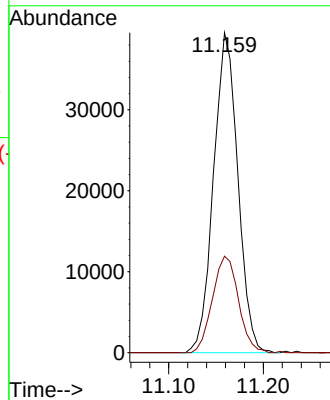
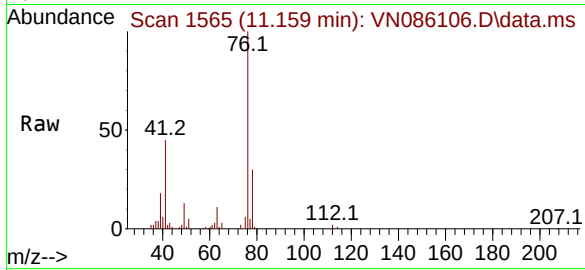
#57
1,3-Dichloropropane
Concen: 19.095 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tgt Ion: 76 Resp: 70459
Ion Ratio Lower Upper
76 100
78 32.2 25.8 38.6

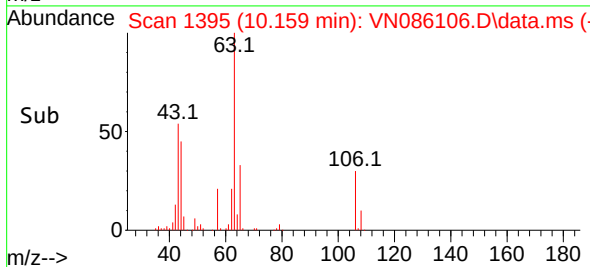
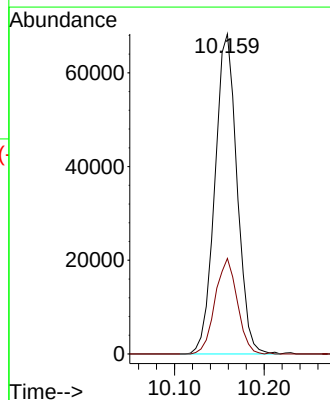
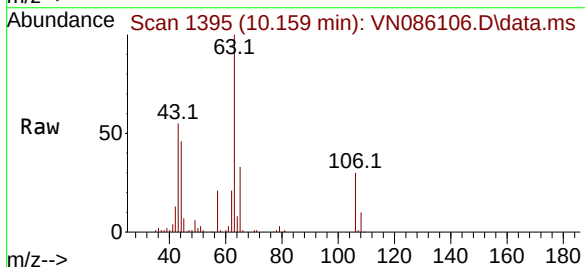
Manual Integrations
APPROVED

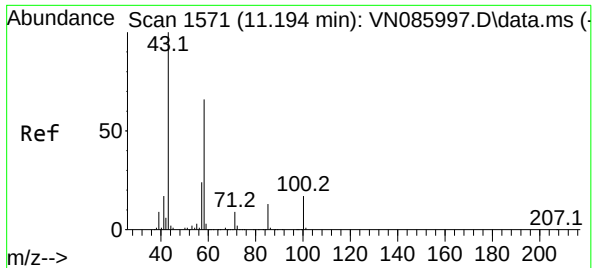
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#58
2-Chloroethyl Vinyl ether
Concen: 103.990 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

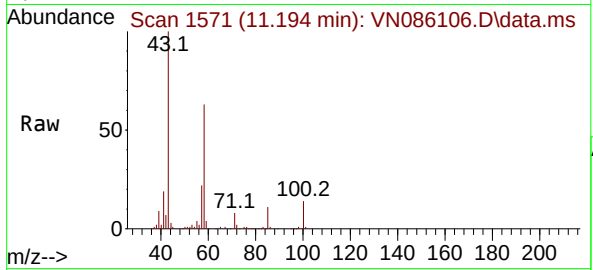
Tgt Ion: 63 Resp: 117009
Ion Ratio Lower Upper
63 100
106 29.8 25.0 37.6





#59
2-Hexanone
Concen: 92.973 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

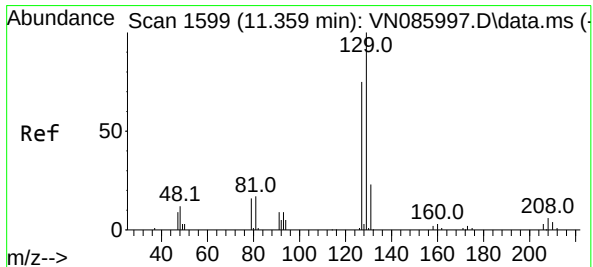
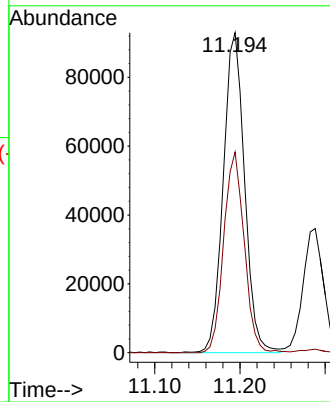
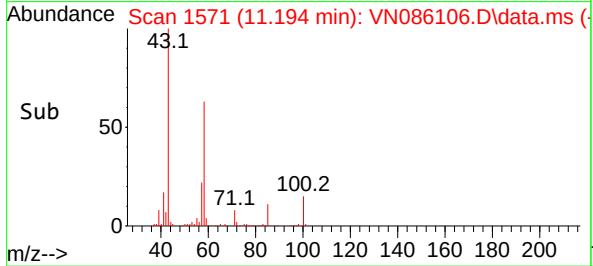
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion: 43 Resp: 161319
Ion Ratio Lower Upper
43 100
58 60.3 32.4 97.2

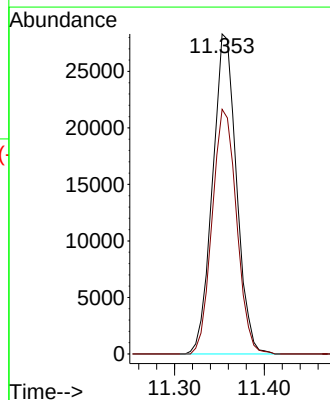
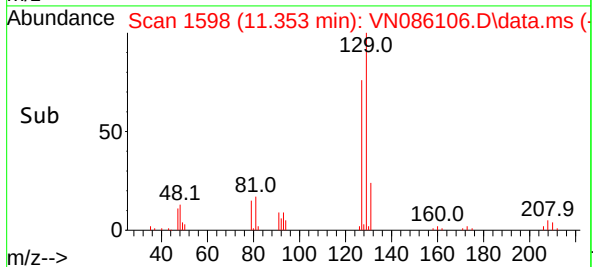
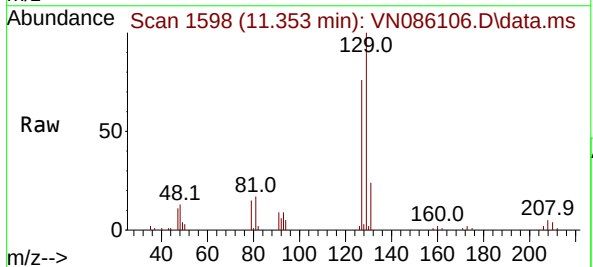
Manual Integrations
APPROVED

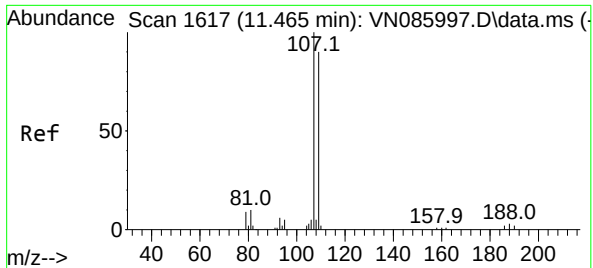
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#60
Dibromochloromethane
Concen: 18.703 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion:129 Resp: 52431
Ion Ratio Lower Upper
129 100
127 77.9 37.8 113.4





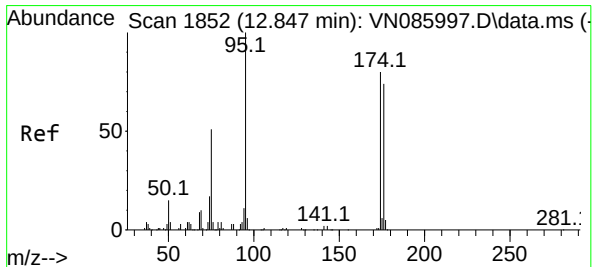
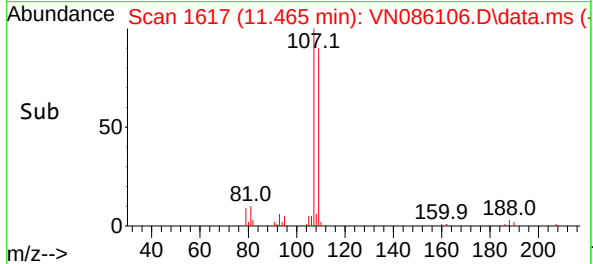
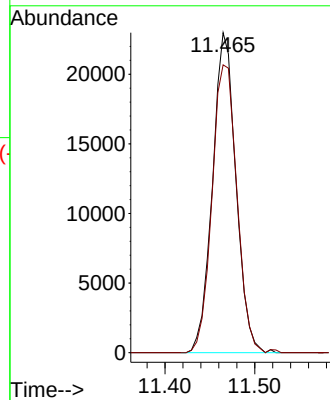
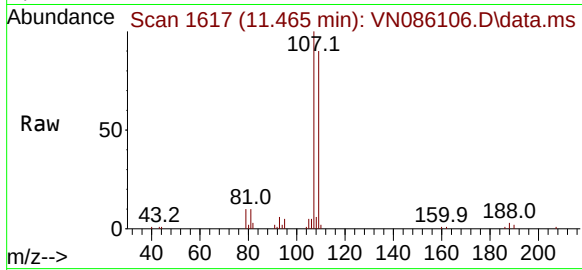
#61
1,2-Dibromoethane
Concen: 18.649 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tgt Ion:107 Resp: 4159
Ion Ratio Lower Upper
107 100
109 95.7 73.3 109.9

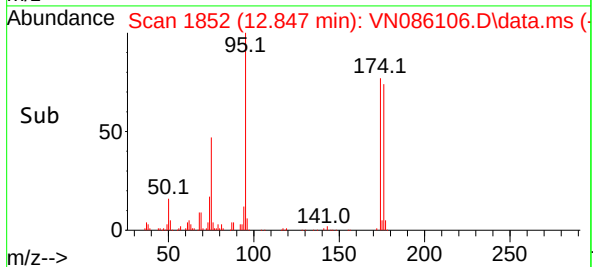
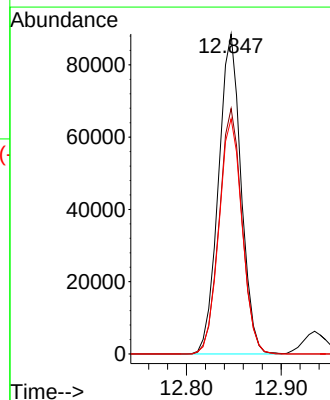
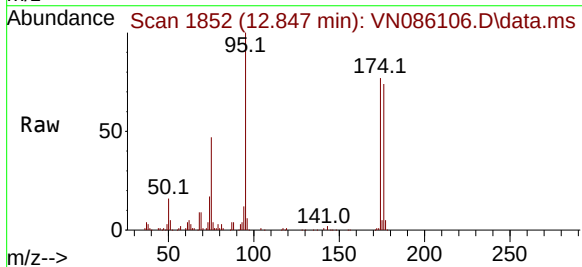
Manual Integrations
APPROVED

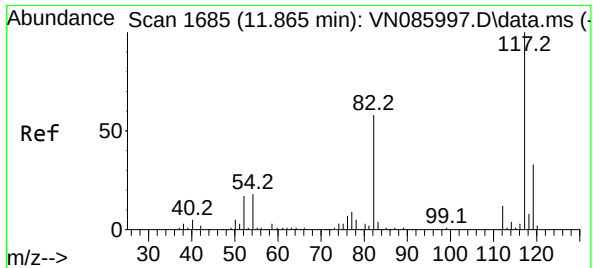
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#62
4-Bromofluorobenzene
Concen: 50.550 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion: 95 Resp: 146790
Ion Ratio Lower Upper
95 100
174 77.3 0.0 156.8
176 75.3 0.0 152.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion:117 Resp: 28020

Ion Ratio Lower Upper

117 100

82 56.5 46.7 70.1

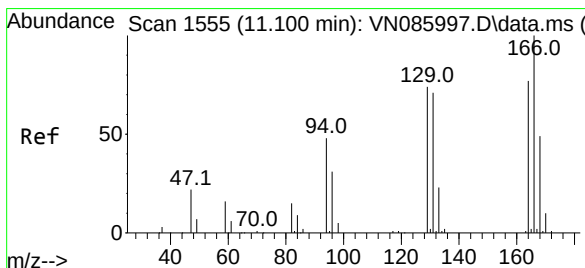
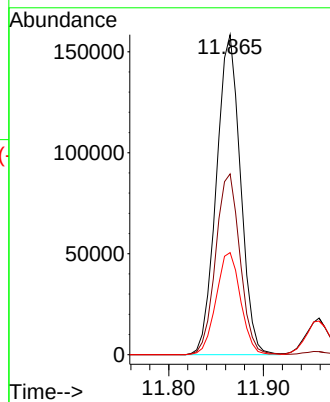
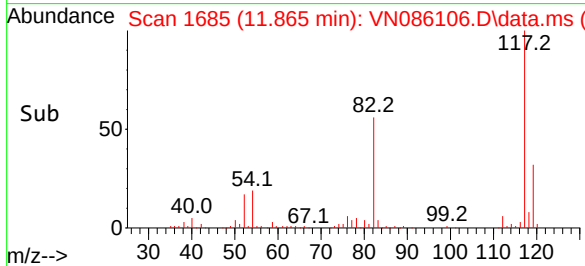
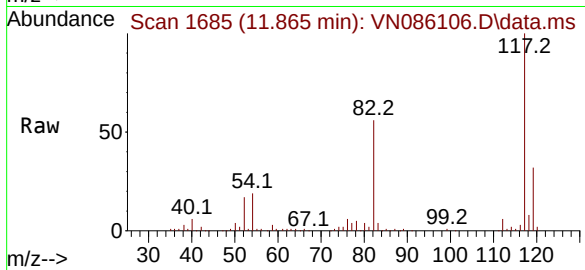
119 31.9 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#64

Tetrachloroethene

Concen: 16.924 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Tgt Ion:164 Resp: 37829

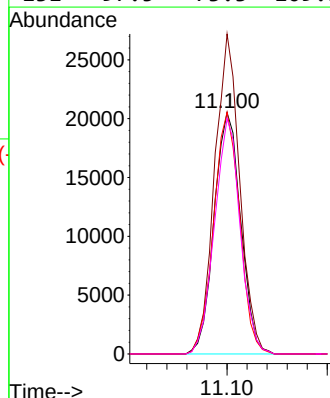
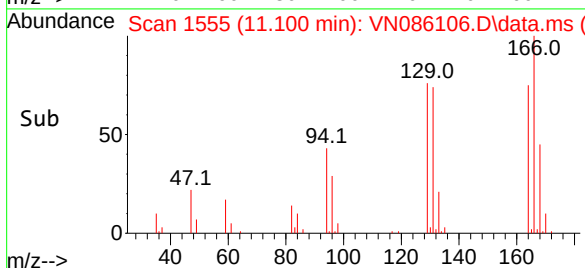
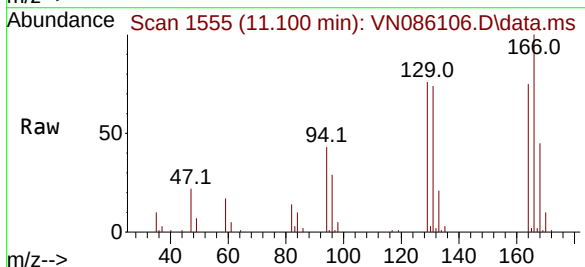
Ion Ratio Lower Upper

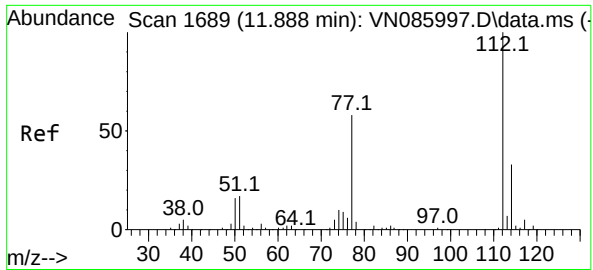
164 100

166 132.5 103.7 155.5

129 100.0 77.1 115.7

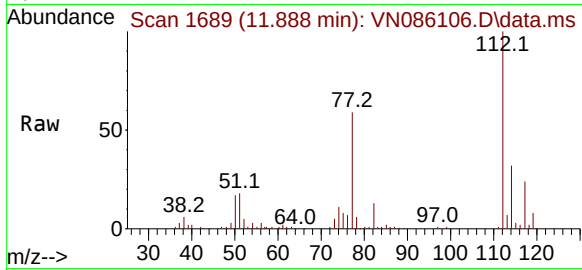
131 97.5 73.3 109.9





#65
Chlorobenzene
Concen: 18.689 ug/l
RT: 11.888 min Scan# 1118
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

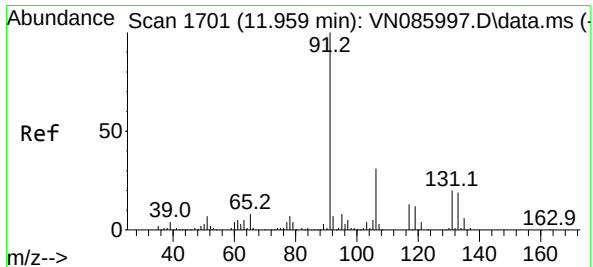
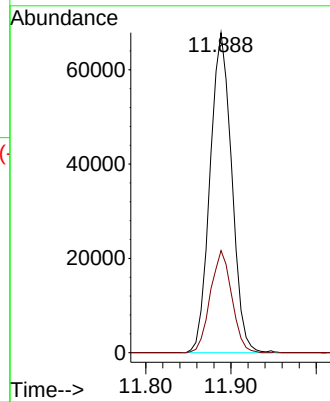
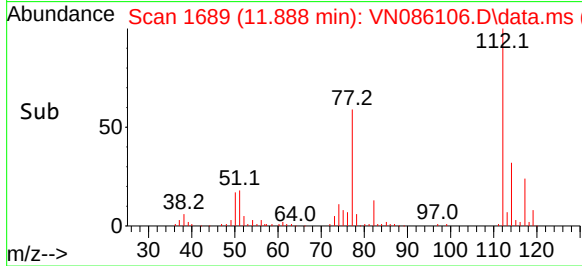
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion:112 Resp: 11983
Ion Ratio Lower Upper
112 100
114 31.9 26.3 39.5

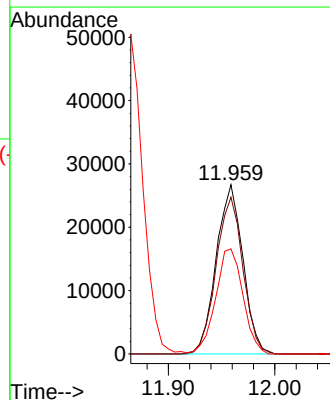
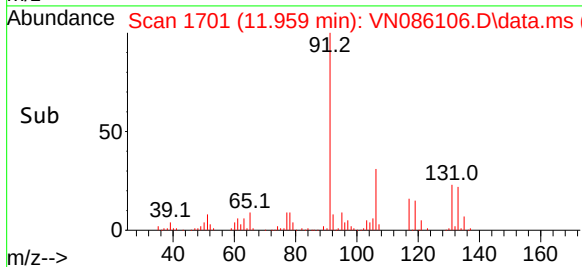
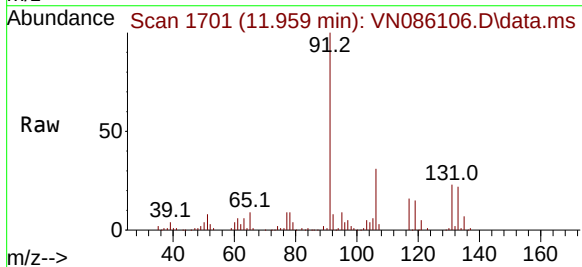
Manual Integrations
APPROVED

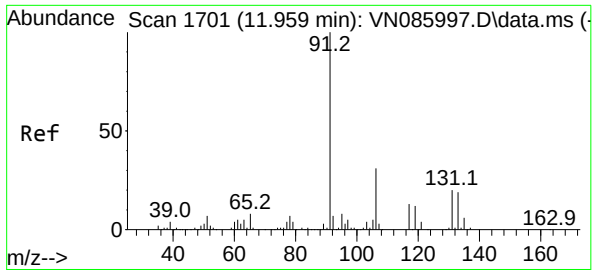
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.462 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion:131 Resp: 46387
Ion Ratio Lower Upper
131 100
133 93.7 47.0 141.0
119 63.7 31.4 94.0





#67

Ethyl Benzene

Concen: 18.697 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion: 91 Resp: 191762

Ion Ratio Lower Upper

91 100

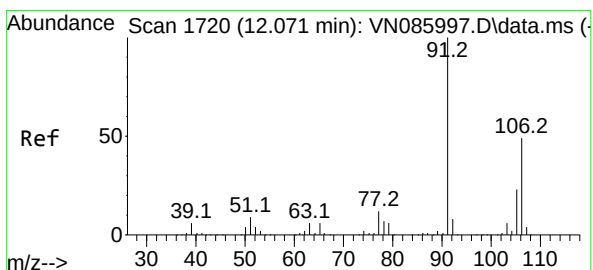
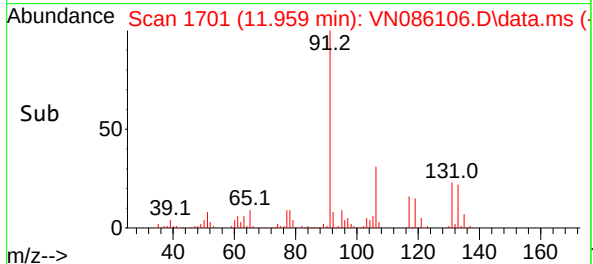
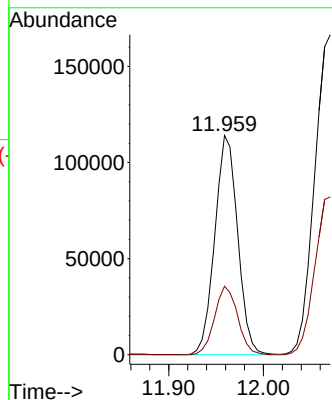
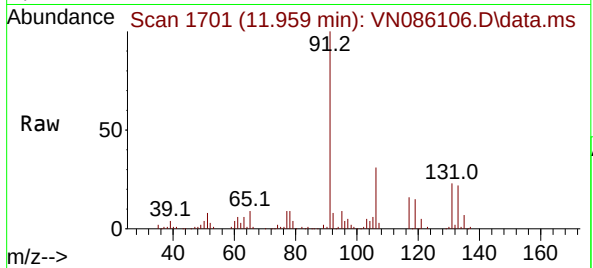
106 31.2 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#68

m/p-Xylenes

Concen: 39.112 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN086106.D

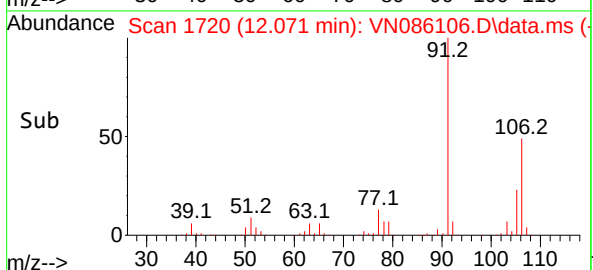
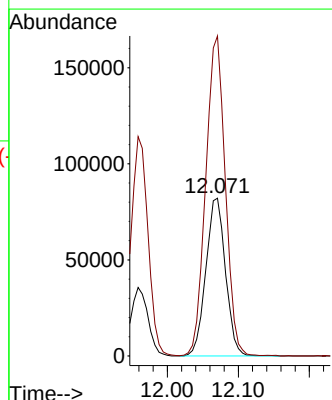
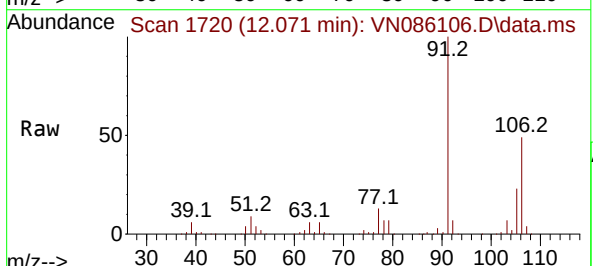
Acq: 25 Mar 2025 17:28

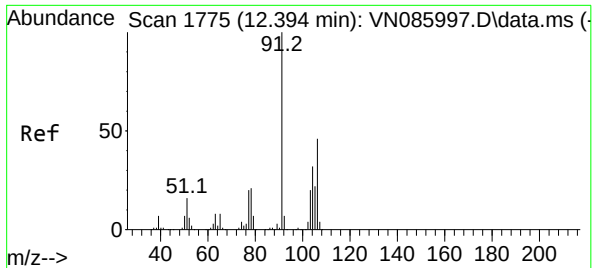
Tgt Ion:106 Resp: 157672

Ion Ratio Lower Upper

106 100

91 201.4 163.9 245.9





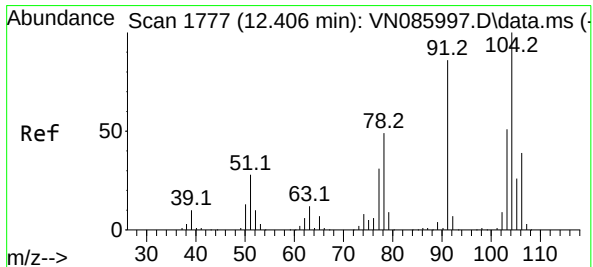
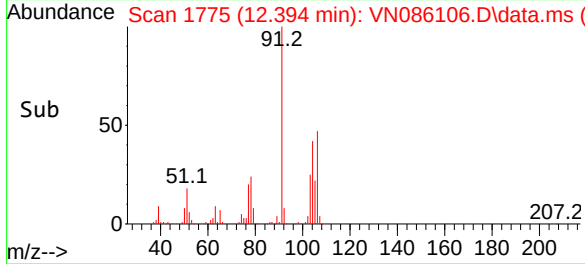
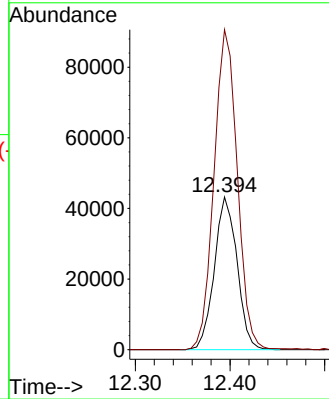
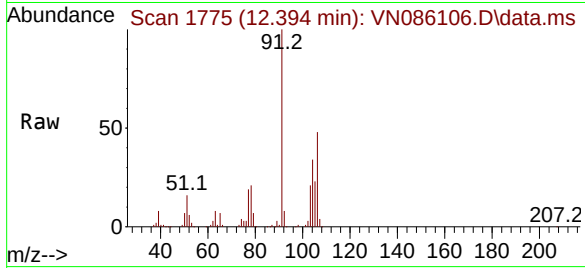
#69
o-Xylene
Concen: 19.479 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tgt Ion:106 Resp: 72073
Ion Ratio Lower Upper
106 100
91 215.3 109.1 327.2

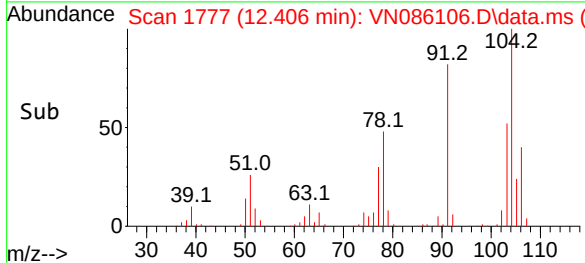
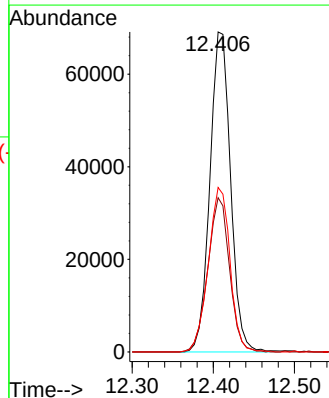
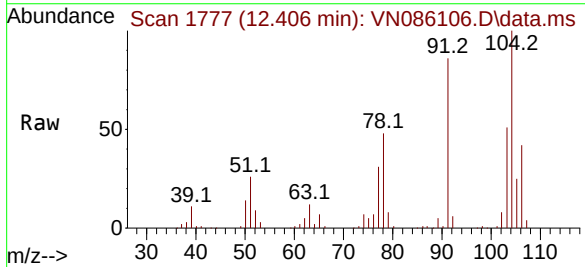
Manual Integrations
APPROVED

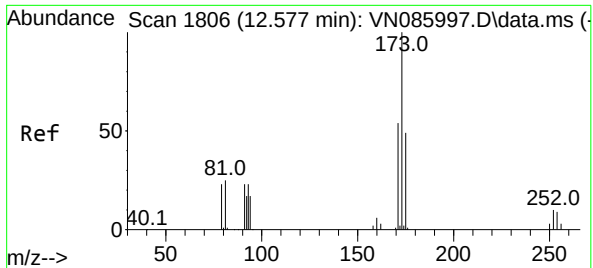
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#70
Styrene
Concen: 19.345 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

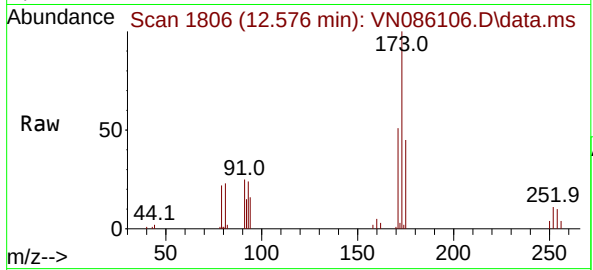
Tgt Ion:104 Resp: 122252
Ion Ratio Lower Upper
104 100
78 50.8 41.4 62.2
103 54.0 42.9 64.3





#71
Bromoform
Concen: 17.694 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

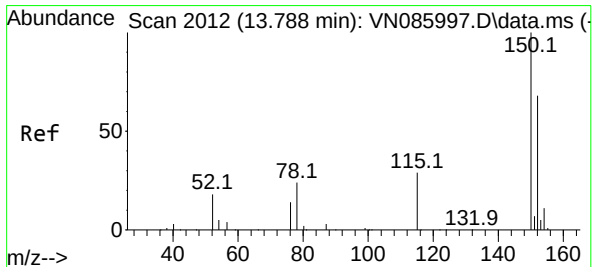
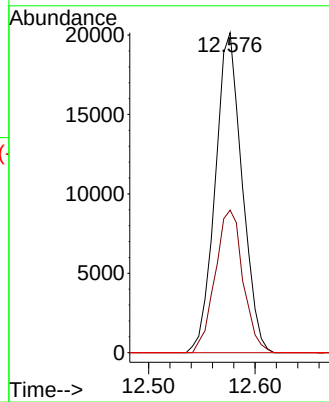
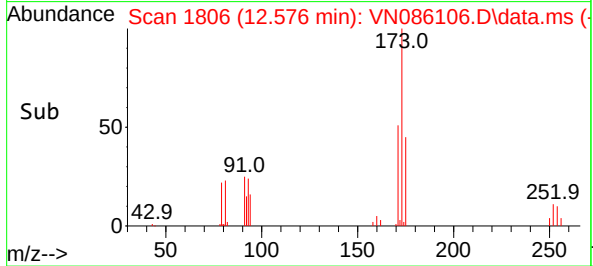
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



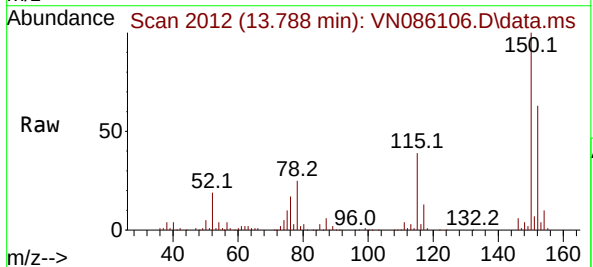
Tgt Ion:173 Resp: 35250
Ion Ratio Lower Upper
173 100
175 46.2 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

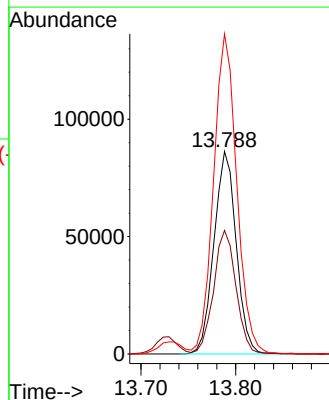
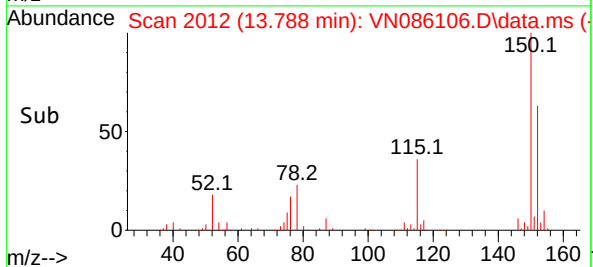
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

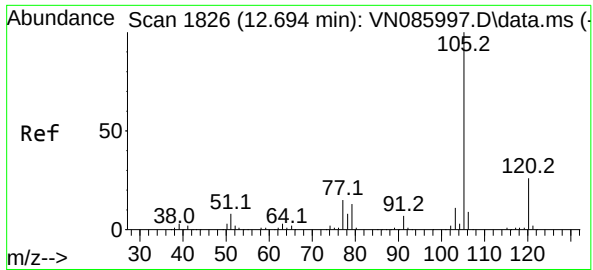


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28



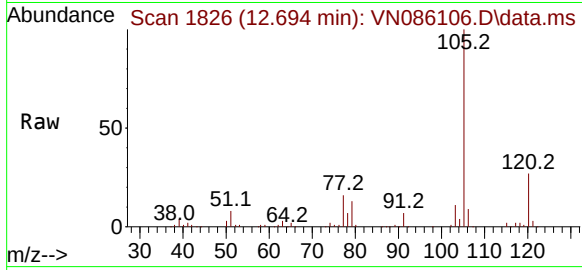
Tgt Ion:152 Resp: 140993
Ion Ratio Lower Upper
152 100
115 61.3 31.1 93.2
150 164.2 0.0 359.6





#73
Isopropylbenzene
Concen: 18.050 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

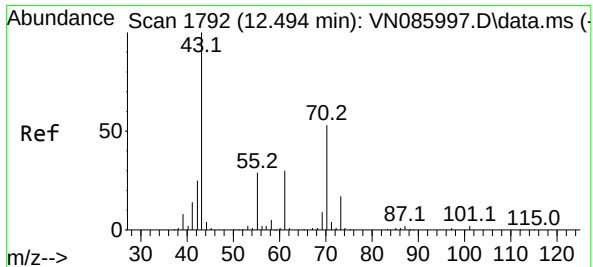
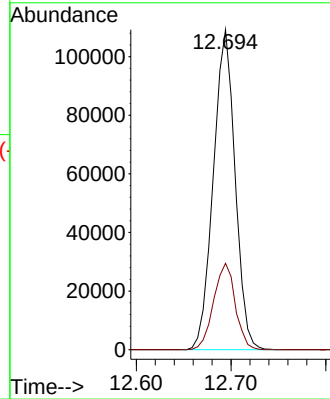
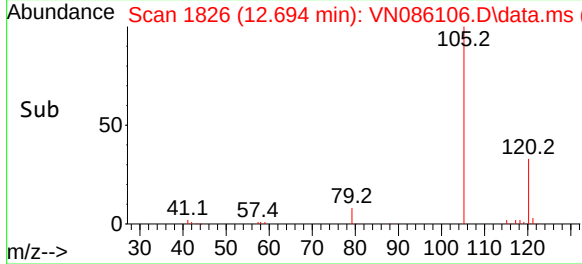
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion:105 Resp: 173790
Ion Ratio Lower Upper
105 100
120 26.8 13.0 39.0

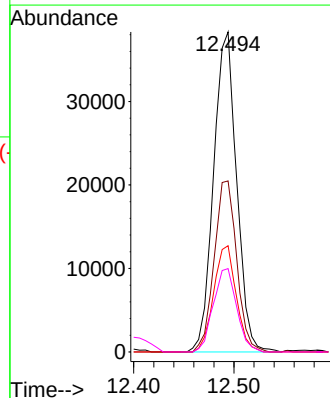
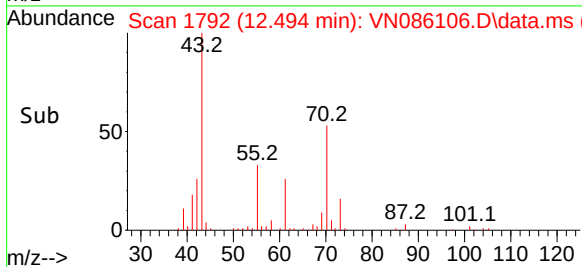
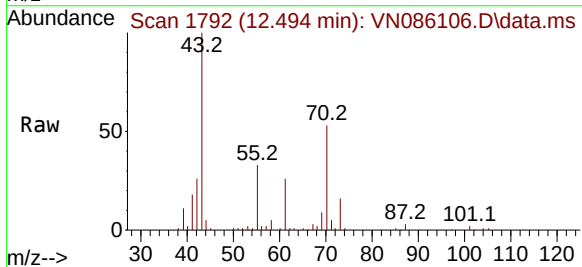
Manual Integrations
APPROVED

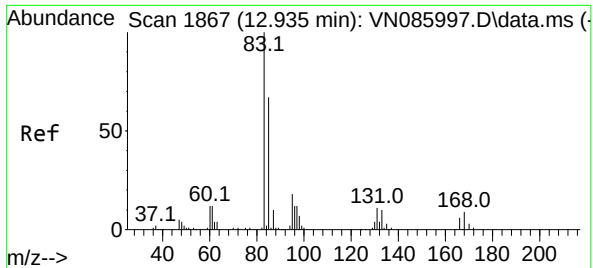
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#74
N-ethyl acetate
Concen: 18.961 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion: 43 Resp: 61080
Ion Ratio Lower Upper
43 100
70 52.4 43.0 64.4
55 32.5 23.8 35.8
61 26.4 23.4 35.0





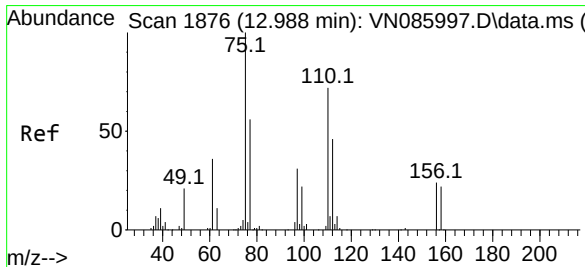
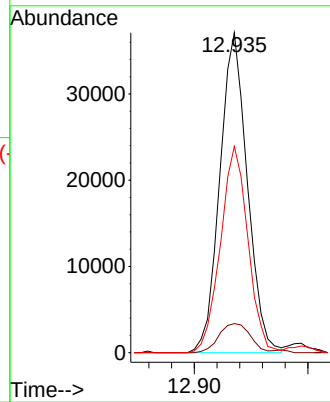
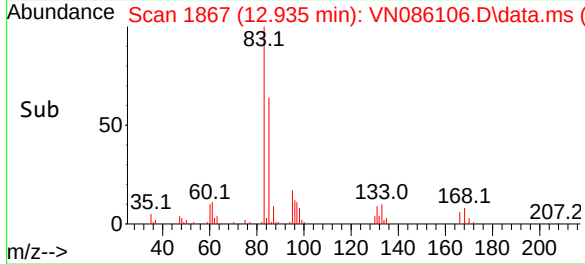
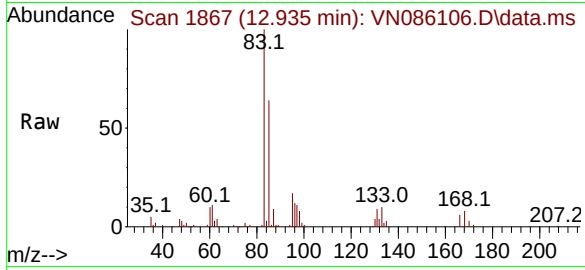
#75
1,1,2,2-Tetrachloroethane
Concen: 19.156 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tgt Ion: 83 Resp: 62398
Ion Ratio Lower Upper
83 100
131 10.8 5.5 16.5
85 64.5 32.6 97.8

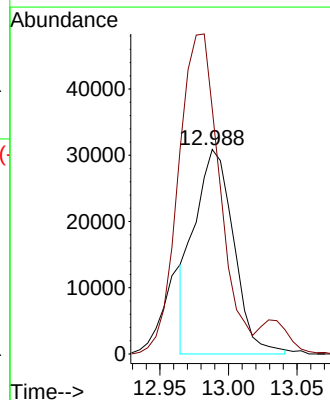
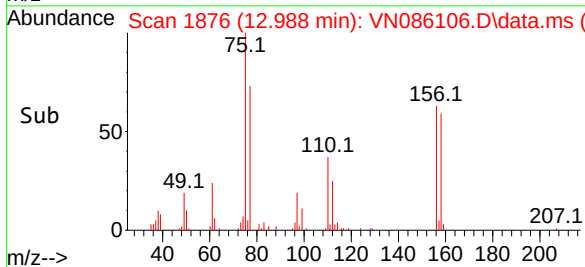
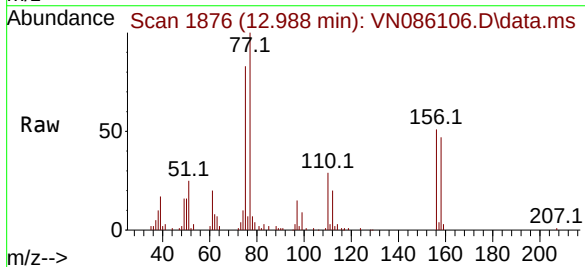
Manual Integrations
APPROVED

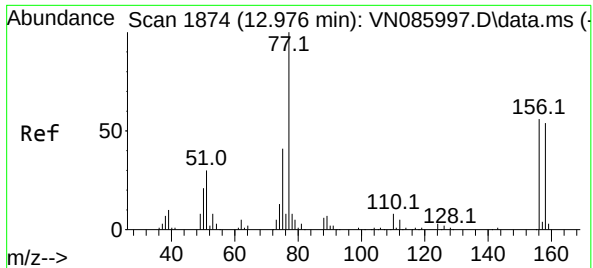
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#76
1,2,3-Trichloropropane
Concen: 19.424 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

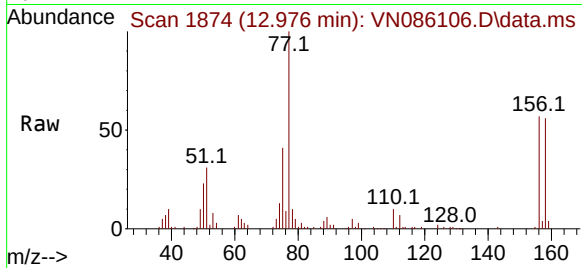
Tgt Ion: 75 Resp: 61314
Ion Ratio Lower Upper
75 100
77 165.0 83.7 251.0





#77
Bromobenzene
Concen: 18.307 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

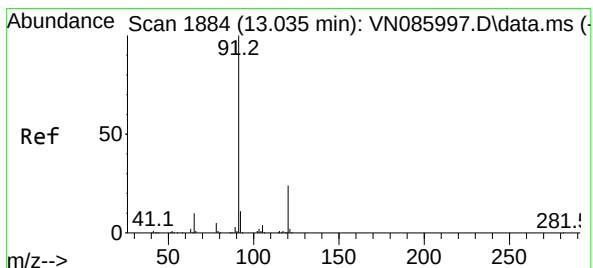
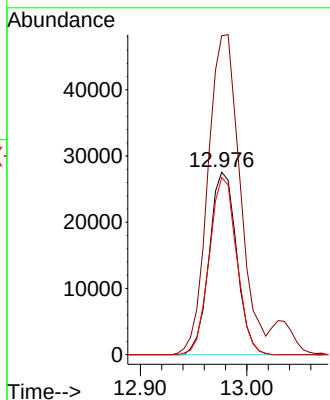
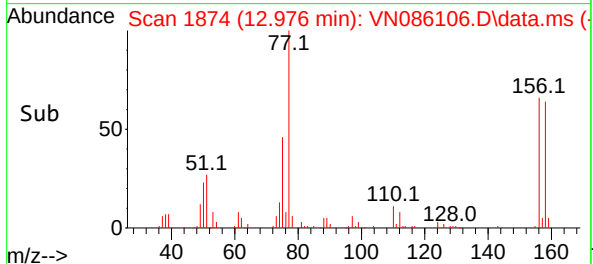
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



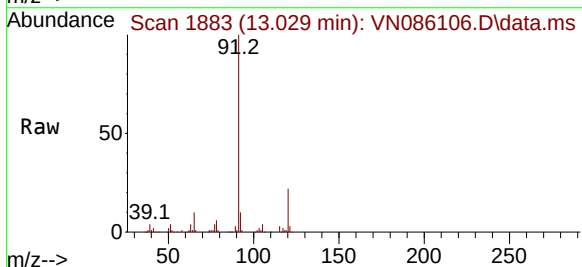
Tgt Ion:156 Resp: 49148
Ion Ratio Lower Upper
156 100
77 205.8 104.1 312.3
158 97.1 49.0 147.0

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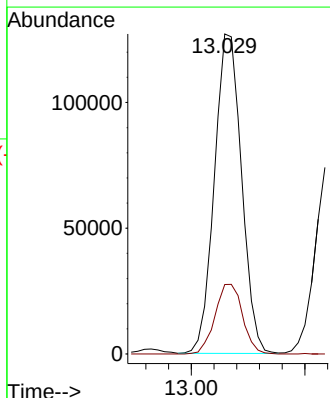
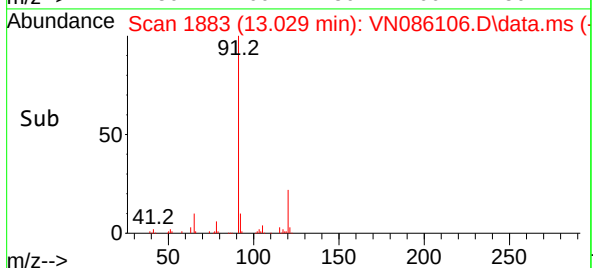
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025

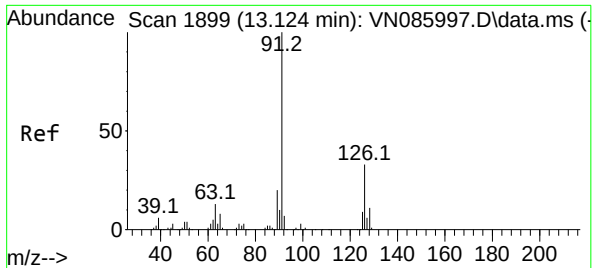


#78
n-propylbenzene
Concen: 19.335 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28



Tgt Ion: 91 Resp: 210798
Ion Ratio Lower Upper
91 100
120 22.1 11.7 35.0





#79

2-Chlorotoluene

Concen: 19.134 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion: 91 Resp: 13856

Ion Ratio Lower Upper

91 100

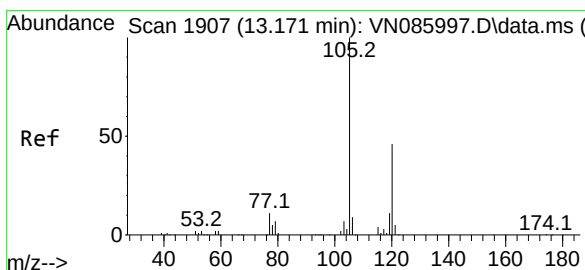
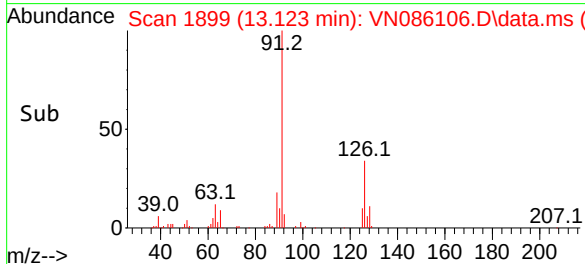
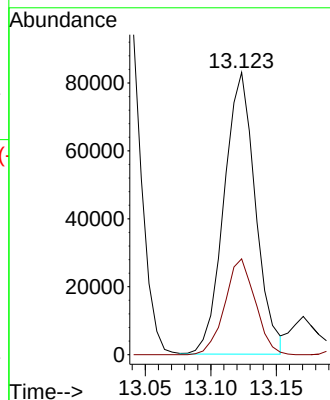
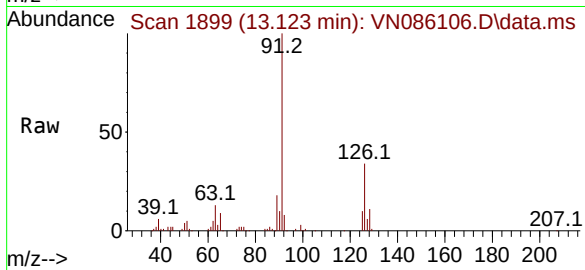
126 32.8 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.333 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086106.D

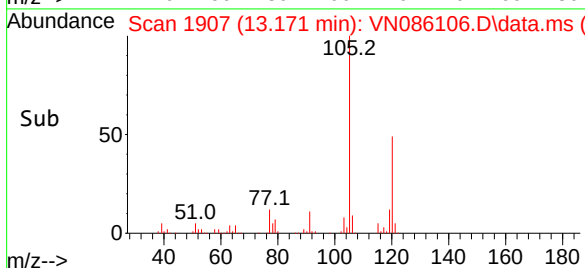
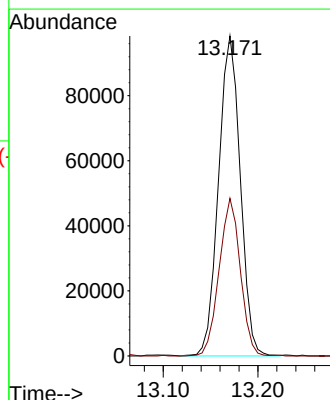
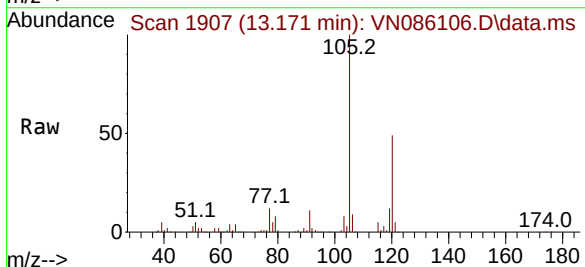
Acq: 25 Mar 2025 17:28

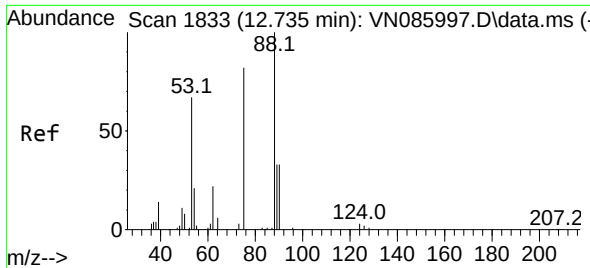
Tgt Ion:105 Resp: 157160

Ion Ratio Lower Upper

105 100

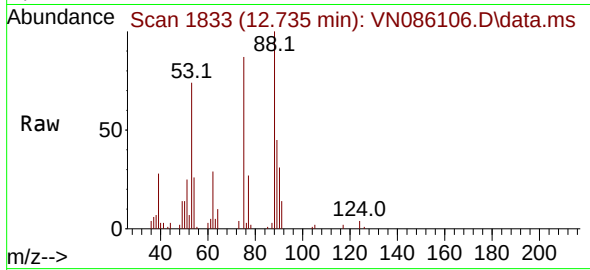
120 48.0 23.7 71.1





#81
trans-1,4-Dichloro-2-butene
Concen: 18.529 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

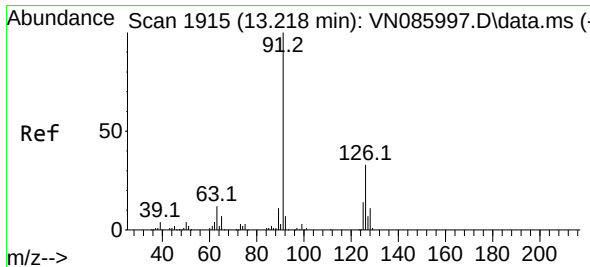
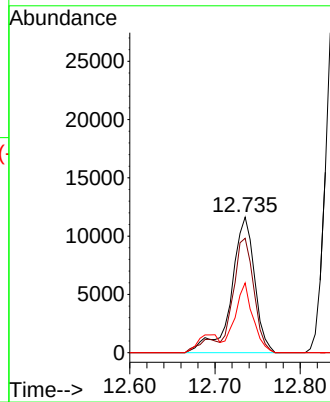
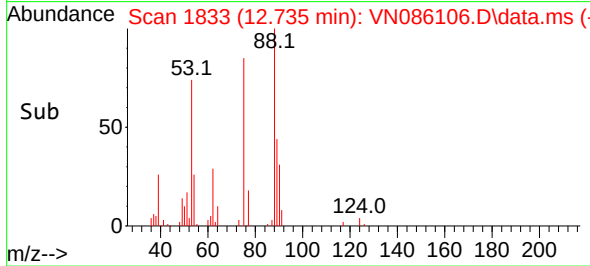
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion: 75 Resp: 2212
Ion Ratio Lower Upper
75 100
53 73.4 66.0 99.0
89 40.3 36.9 55.3

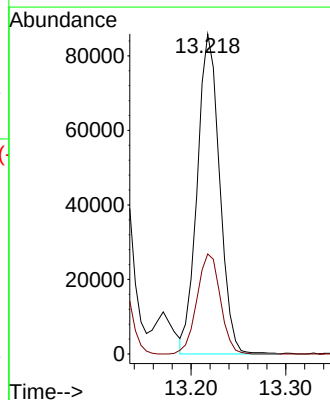
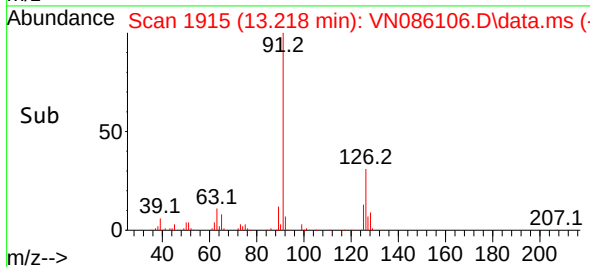
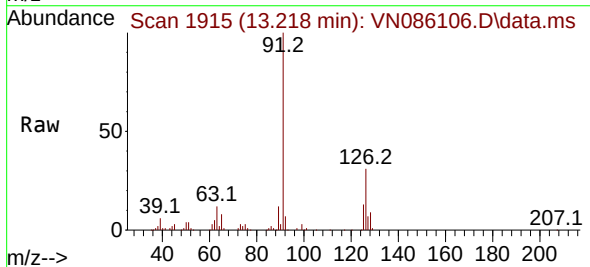
Manual Integrations
APPROVED

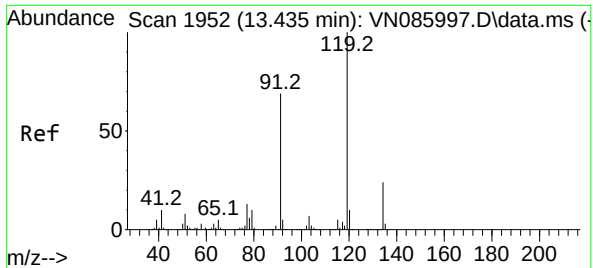
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#82
4-Chlorotoluene
Concen: 18.914 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion: 91 Resp: 140854
Ion Ratio Lower Upper
91 100
126 32.6 16.1 48.2





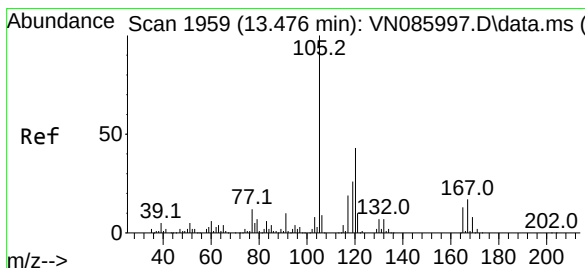
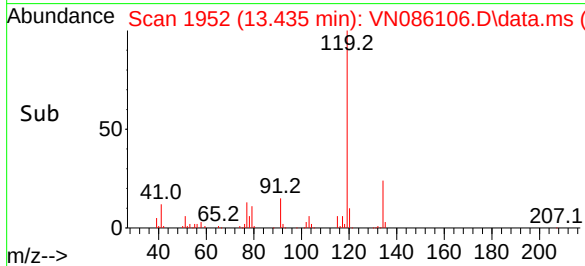
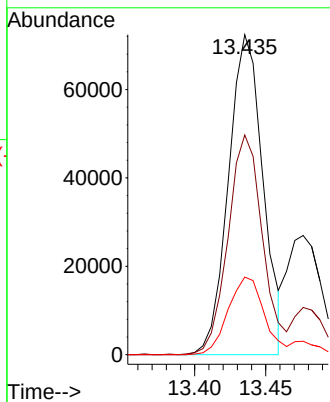
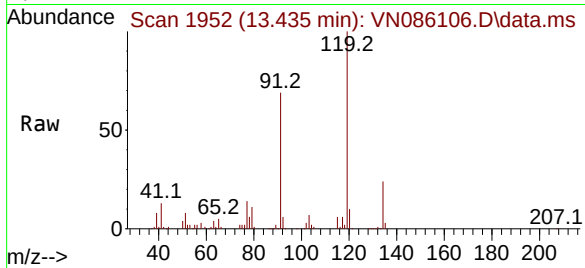
#83
tert-Butylbenzene
Concen: 17.577 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tgt Ion:119 Resp: 12220
Ion Ratio Lower Upper
119 100
91 69.2 34.3 102.9
134 25.3 13.5 40.5

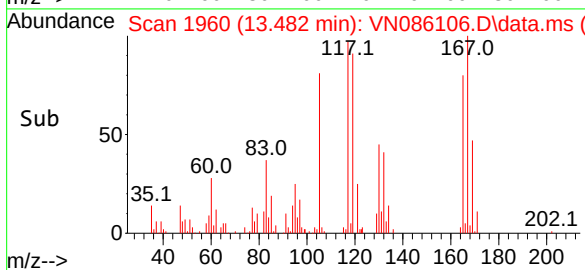
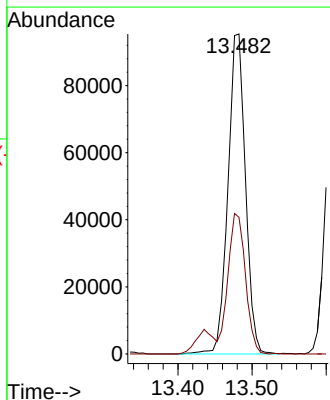
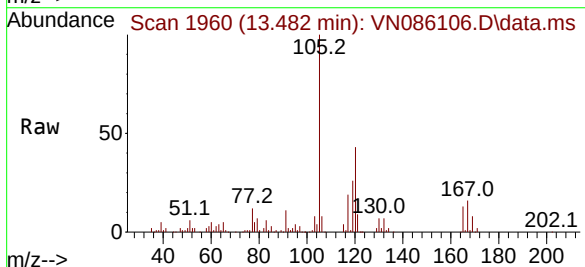
Manual Integrations
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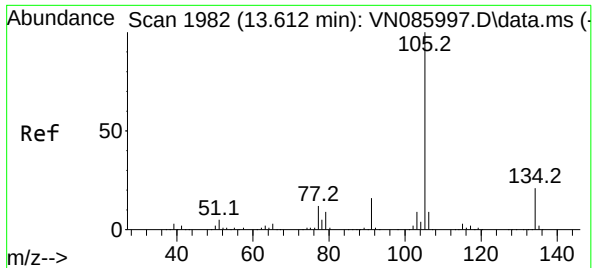
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#84
1,2,4-Trimethylbenzene
Concen: 19.051 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

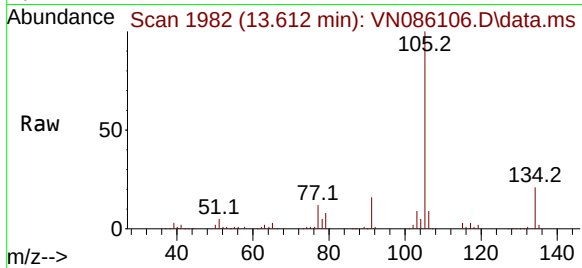
Tgt Ion:105 Resp: 156199
Ion Ratio Lower Upper
105 100
120 43.8 21.9 65.8





#85
 sec-Butylbenzene
 Concen: 18.874 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086106.D
 Acq: 25 Mar 2025 17:28

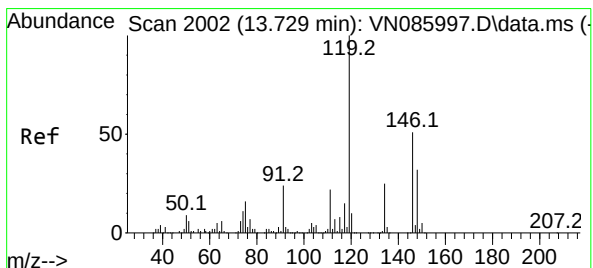
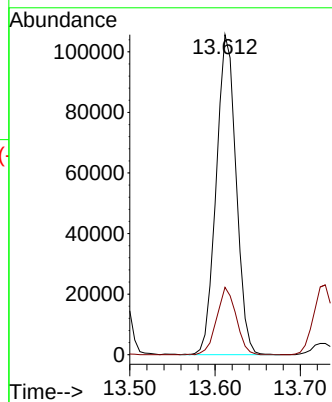
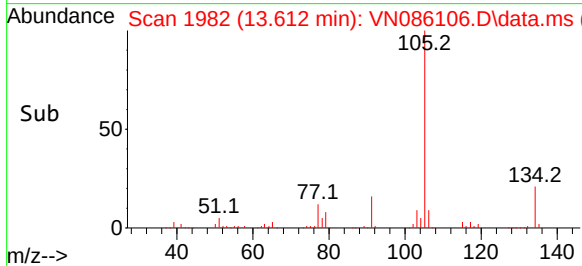
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01



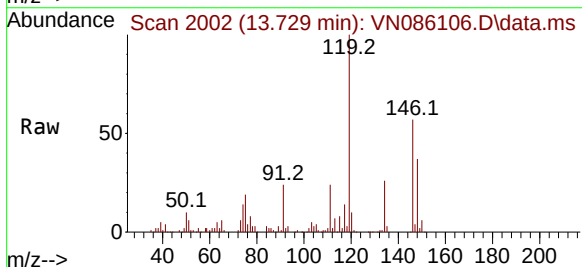
Tgt Ion:105 Resp: 171180
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.1 30.1

Manual Integrations
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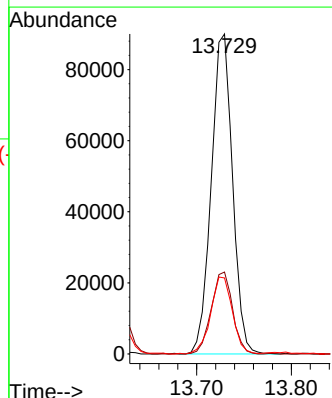
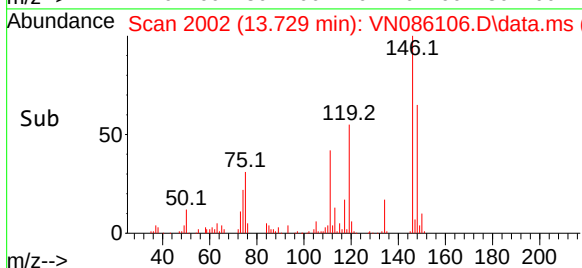
Reviewed By :John Carlone 03/26/2025
 Supervised By :Mahesh Dadoda 03/26/2025

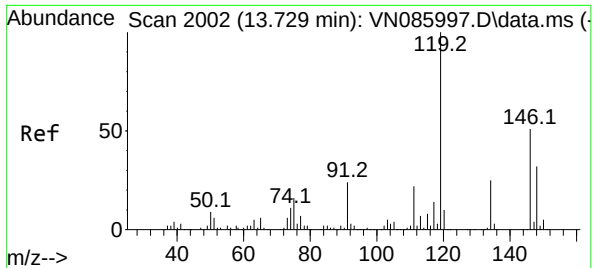


#86
 p-Isopropyltoluene
 Concen: 18.256 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN086106.D
 Acq: 25 Mar 2025 17:28



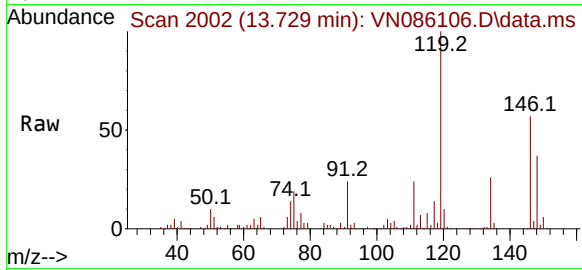
Tgt Ion:119 Resp: 140160
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.6 37.8
 91 24.6 12.3 36.8





#87
1,3-Dichlorobenzene
Concen: 18.208 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

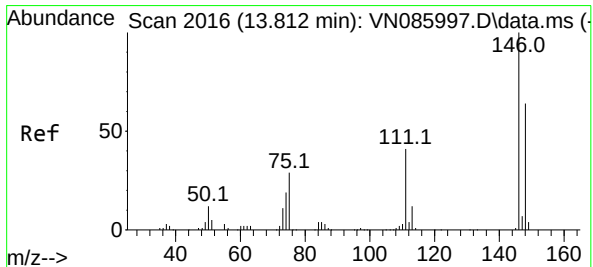
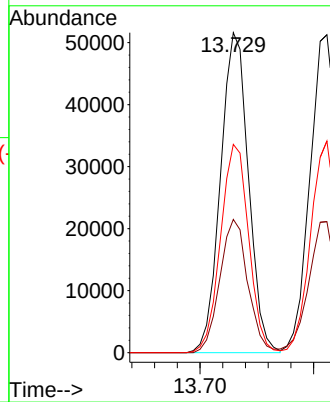
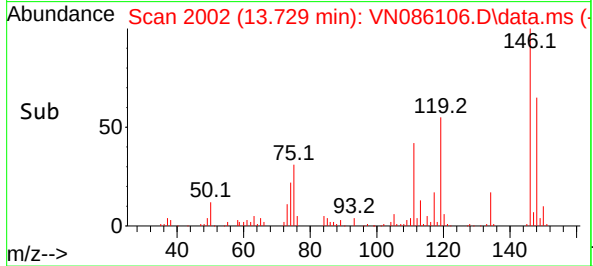
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion:146 Resp: 8811
Ion Ratio Lower Upper
146 100
111 41.6 21.2 63.6
148 65.6 31.8 95.4

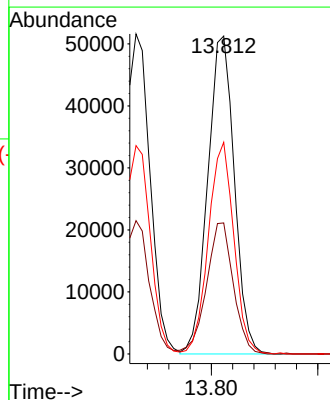
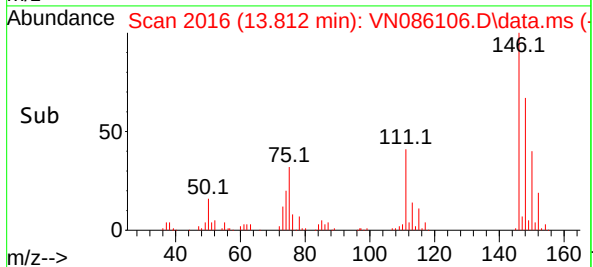
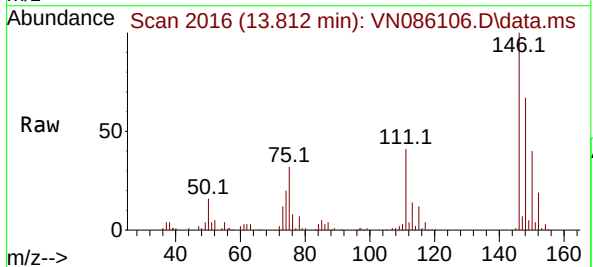
Manual Integrations
APPROVED

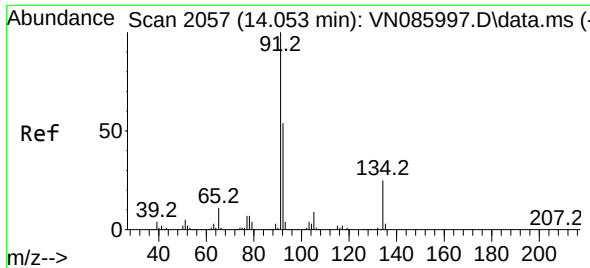
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#88
1,4-Dichlorobenzene
Concen: 17.493 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion:146 Resp: 88942
Ion Ratio Lower Upper
146 100
111 41.8 20.4 61.3
148 64.0 32.1 96.5





#89

n-Butylbenzene

Concen: 16.793 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

Tgt Ion: 91 Resp: 104989

Ion Ratio Lower Upper

91 100

92 53.2 26.9 80.6

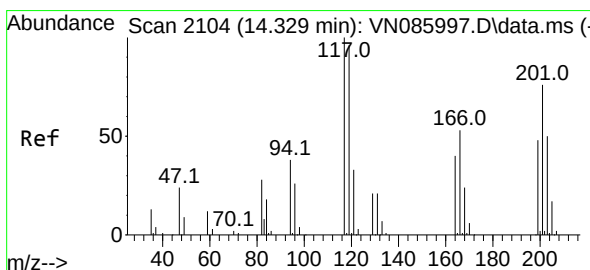
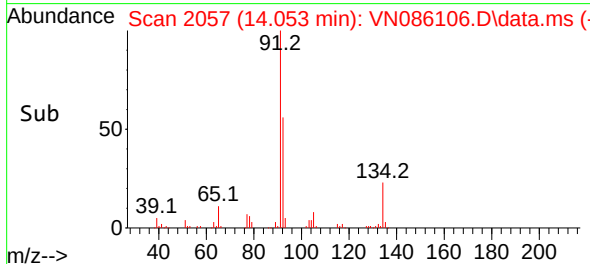
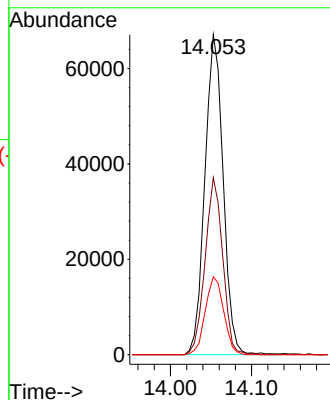
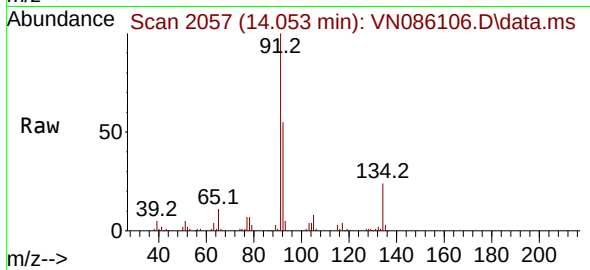
134 24.4 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#90

Hexachloroethane

Concen: 17.523 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.006 min

Lab File: VN086106.D

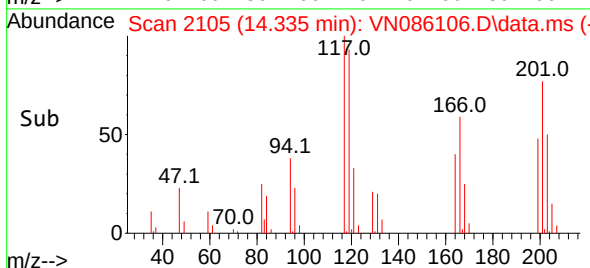
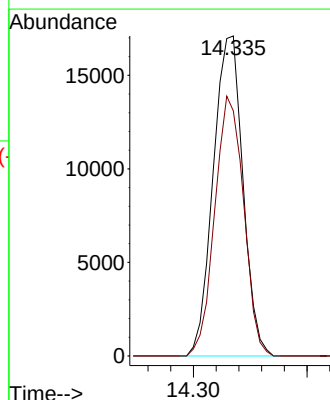
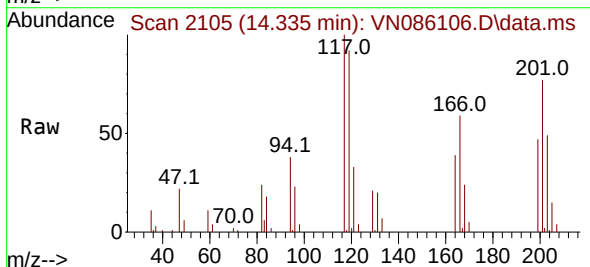
Acq: 25 Mar 2025 17:28

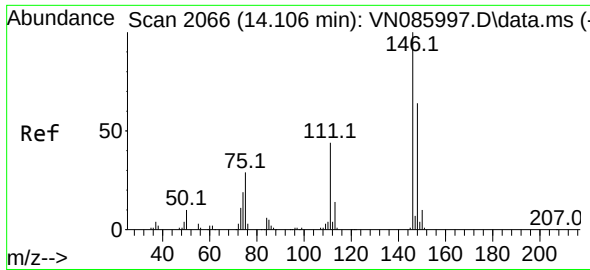
Tgt Ion:117 Resp: 31043

Ion Ratio Lower Upper

117 100

201 78.9 39.1 117.3





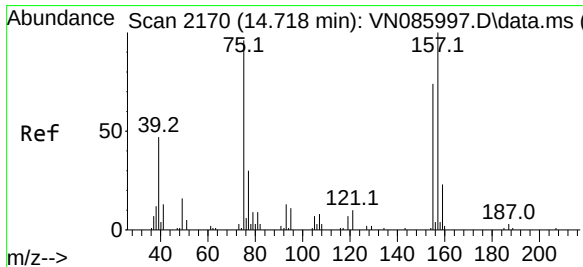
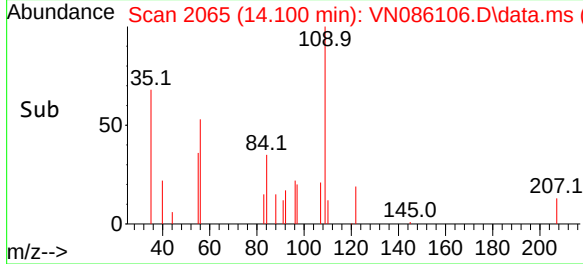
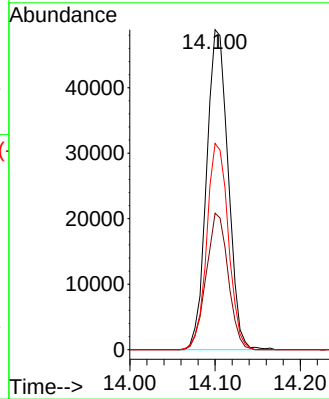
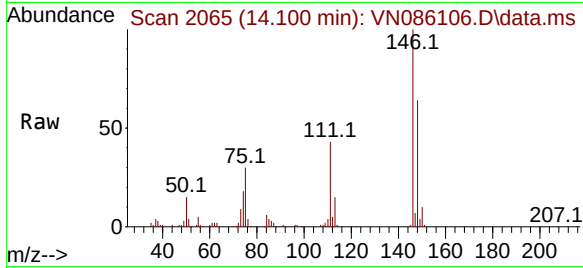
#91
1,2-Dichlorobenzene
Concen: 17.857 ug/l
RT: 14.100 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Tgt Ion:146 Resp: 8590
Ion Ratio Lower Upper
146 100
111 43.5 22.3 66.8
148 64.4 32.1 96.5

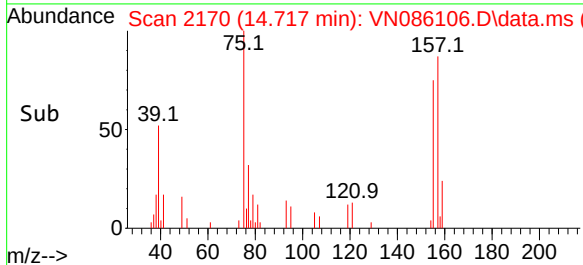
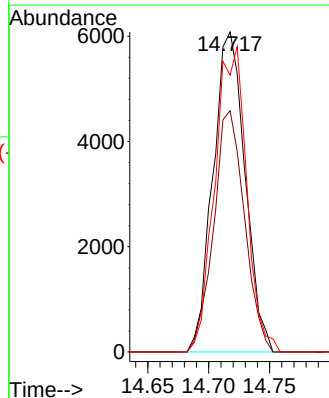
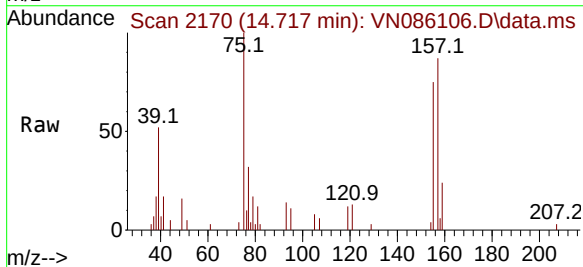
Manual Integrations
APPROVED

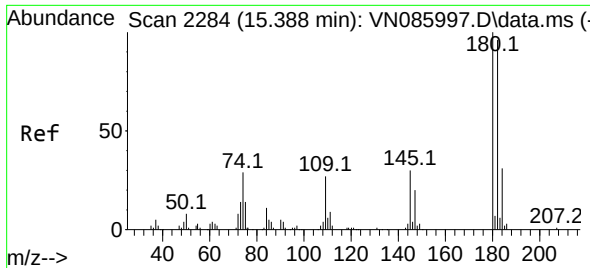
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.125 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

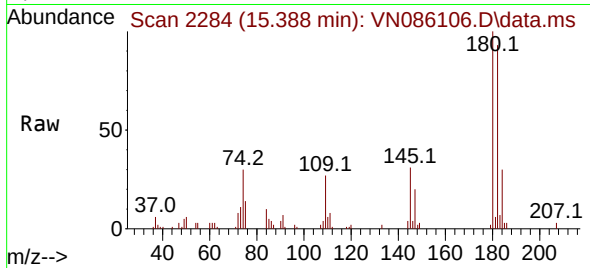
Tgt Ion: 75 Resp: 11135
Ion Ratio Lower Upper
75 100
155 72.4 41.0 123.0
157 94.3 53.7 161.1





#93
1,2,4-Trichlorobenzene
Concen: 15.031 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

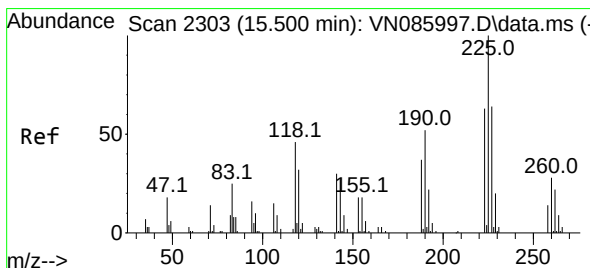
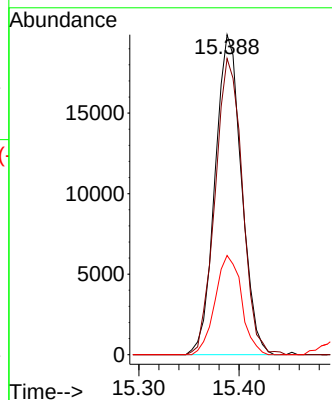
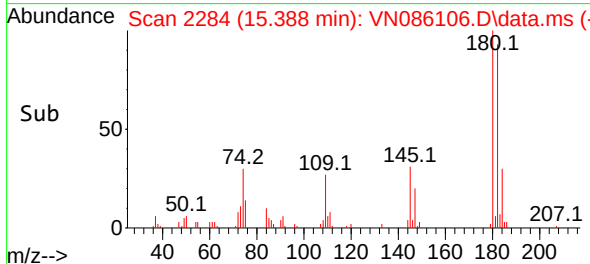
Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01



Tgt Ion:180 Resp: 3635
Ion Ratio Lower Upper
180 100
182 95.1 47.0 141.0
145 31.0 15.5 46.5

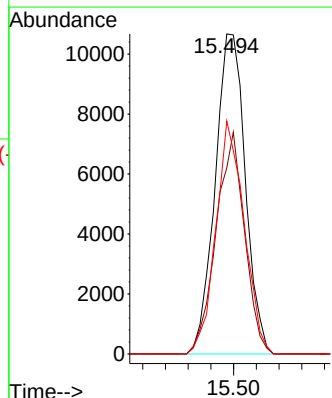
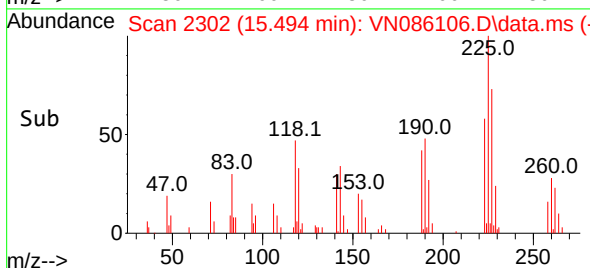
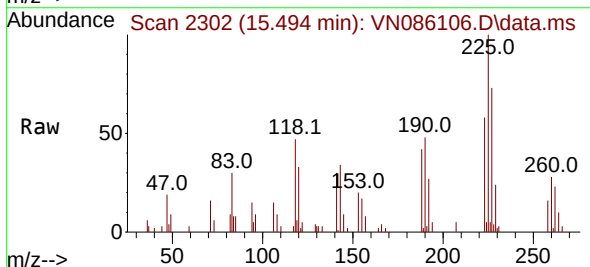
Manual Integrations
APPROVED

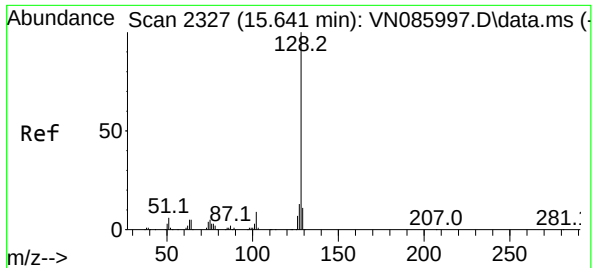
Reviewed By :John Carlone 03/26/2025
Supervised By :Mahesh Dadoda 03/26/2025



#94
Hexachlorobutadiene
Concen: 14.044 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN086106.D
Acq: 25 Mar 2025 17:28

Tgt Ion:225 Resp: 19709
Ion Ratio Lower Upper
225 100
223 65.1 31.3 93.9
227 68.4 32.1 96.3





#95

Naphthalene

Concen: 13.172 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBSD01

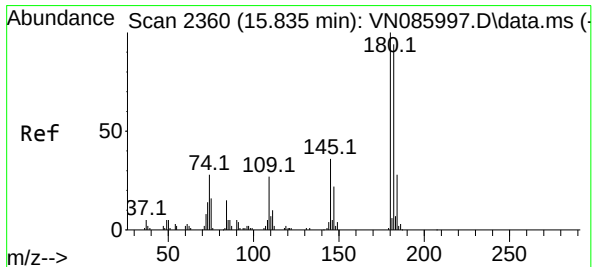
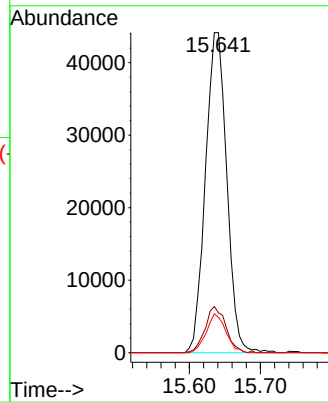
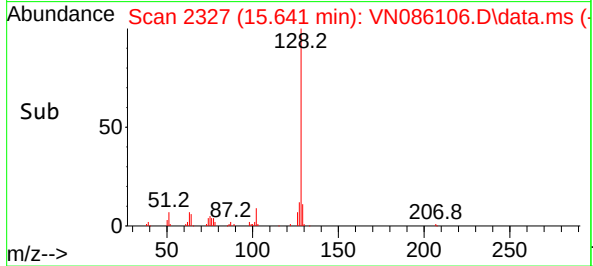
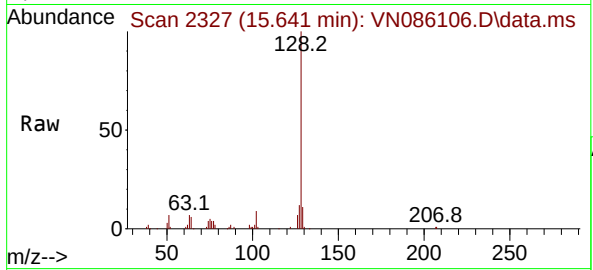
Tgt Ion:	128	Resp:	9226
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.2	15.4
129	11.1	9.0	13.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/26/2025

Supervised By :Mahesh Dadoda 03/26/2025



#96

1,2,3-Trichlorobenzene

Concen: 15.490 ug/l

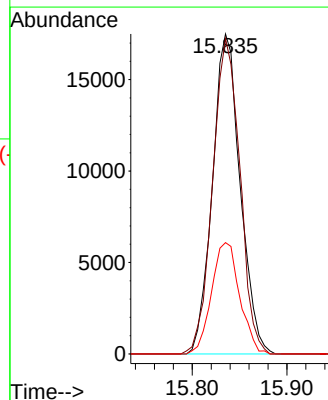
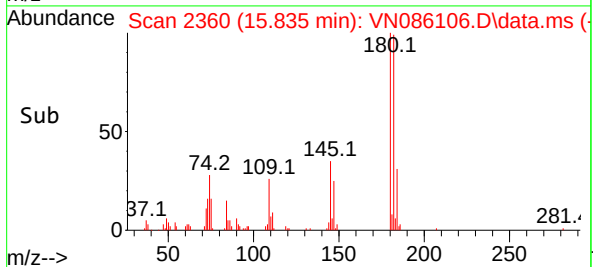
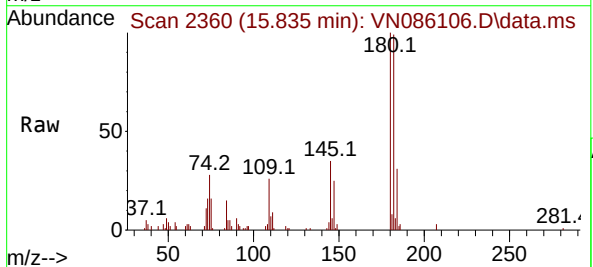
RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN086106.D

Acq: 25 Mar 2025 17:28

Tgt Ion:	180	Resp:	35554
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.5	142.5
145	35.4	17.7	53.1



Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085996.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:30 AM	MMDadoda	3/19/2025 2:21:56 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Vinyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC005	VN086000.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:51 AM	MMDadoda	3/19/2025 2:22:03 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1,2-Trichlorotrifluoroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1-Dichloroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,4-Dichlorobenzene	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN031825

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086001.D	Diisopropyl ether	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	Ethyl Acetate	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICV050	VN086003.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:43:04 AM	MMDadoda	3/19/2025 2:22:08 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

vn032525

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086090.D	1,2,3-Trichloropropane	JOHN	3/26/2025 9:53:01 AM	MMDadoda	3/26/2025 10:34:33 AM	Peak Integrated by Software
VN0325WBS01	VN086094.D	1,2,3-Trichloropropane	JOHN	3/26/2025 9:53:06 AM	MMDadoda	3/26/2025 10:34:37 AM	Peak Integrated by Software
VN0325WBSD01	VN086106.D	1,2,3-Trichloropropane	JOHN	3/26/2025 9:53:21 AM	MMDadoda	3/26/2025 10:34:42 AM	Peak Integrated by Software
VSTDCCC050	VN086116.D	1,2,3-Trichloropropane	JOHN	3/26/2025 9:53:25 AM	MMDadoda	3/26/2025 10:34:47 AM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM
Supervise By	Maresh Dadoda	Supervise On	3/19/2025 2:22:13 PM
SubDirectory	VN031825	HP Acquire Method	HP Processing Method 82N031825W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133352		
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399		
CCC	VP133353		
Internal Standard/PEM			
ICV/I.BLK	VP133401		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085994.D	18 Mar 2025 08:52	JC\MD	Ok
2	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	JC\MD	Not Ok
3	VSTDICC100	VN085996.D	18 Mar 2025 11:44	JC\MD	Ok,M
4	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	JC\MD	Ok,M
5	VSTDICC020	VN085998.D	18 Mar 2025 12:32	JC\MD	Ok,M
6	VSTDICC010	VN085999.D	18 Mar 2025 12:57	JC\MD	Ok,M
7	VSTDICC005	VN086000.D	18 Mar 2025 13:21	JC\MD	Ok,M
8	VSTDICC001	VN086001.D	18 Mar 2025 14:09	JC\MD	Ok,M
9	IBLK	VN086002.D	18 Mar 2025 14:34	JC\MD	Ok
10	VSTDICV050	VN086003.D	18 Mar 2025 16:49	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN032525

Review By	John Carlone	Review On	3/26/2025 9:58:06 AM
Supervise By	Maresh Dadoda	Supervise On	3/26/2025 10:34:55 AM
SubDirectory	VN032525	HP Acquire Method	HP Processing Method 82N031825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133487		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133488,VP133489		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086089.D	25 Mar 2025 09:39	JC\MD	Ok
2	VSTDCCC050	VN086090.D	25 Mar 2025 10:27	JC\MD	Ok,M
3	VN0325MBL01	VN086091.D	25 Mar 2025 11:02	JC\MD	Ok
4	VN0325WBL01	VN086092.D	25 Mar 2025 11:26	JC\MD	Ok
5	Q1618-02	VN086093.D	25 Mar 2025 12:15	JC\MD	Ok
6	VN0325WBS01	VN086094.D	25 Mar 2025 12:39	JC\MD	Ok,M
7	PB167276TB	VN086095.D	25 Mar 2025 13:03	JC\MD	Ok
8	PB167276ZHE#01	VN086096.D	25 Mar 2025 13:28	JC\MD	Ok
9	PB167276ZHE#02	VN086097.D	25 Mar 2025 13:52	JC\MD	Ok
10	PB167276ZHE#03	VN086098.D	25 Mar 2025 14:16	JC\MD	Ok
11	PB167276ZHE#04	VN086099.D	25 Mar 2025 14:40	JC\MD	Ok
12	PB167276ZHE#05	VN086100.D	25 Mar 2025 15:04	JC\MD	Ok
13	PB167276ZHE#06	VN086101.D	25 Mar 2025 15:28	JC\MD	Ok
14	PB167276ZHE#07	VN086102.D	25 Mar 2025 15:52	JC\MD	Ok
15	PB167276ZHE#08	VN086103.D	25 Mar 2025 16:16	JC\MD	Ok
16	PB167276ZHE#09	VN086104.D	25 Mar 2025 16:40	JC\MD	Ok
17	PB167276ZHE#10	VN086105.D	25 Mar 2025 17:04	JC\MD	Ok
18	VN0325WBSD01	VN086106.D	25 Mar 2025 17:28	JC\MD	Ok,M
19	Q1619-08	VN086107.D	25 Mar 2025 17:52	JC\MD	Ok
20	Q1619-10	VN086108.D	25 Mar 2025 18:16	JC\MD	Ok
21	Q1619-12	VN086109.D	25 Mar 2025 18:40	JC\MD	Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QCBatch ID # VN032525

Review By	John Carlone	Review On	3/26/2025 9:58:06 AM
Supervise By	Mahesh Dadoda	Supervise On	3/26/2025 10:34:55 AM
SubDirectory	VN032525	HP Acquire Method	HP Processing Method 82N031825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133487		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133488,VP133489		

22	Q1619-14	VN086110.D	25 Mar 2025 19:04	JC\MD	Ok
23	Q1626-02	VN086111.D	25 Mar 2025 19:28	JC\MD	Ok
24	Q1627-01	VN086112.D	25 Mar 2025 19:52	JC\MD	Ok
25	Q1630-02	VN086113.D	25 Mar 2025 20:16	JC\MD	Ok
26	Q1632-03	VN086114.D	25 Mar 2025 20:40	JC\MD	ReRun
27	Q1636-04	VN086115.D	25 Mar 2025 21:04	JC\MD	Ok
28	VSTDCCC050	VN086116.D	25 Mar 2025 21:28	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM
Supervise By	Maresh Dadoda	Supervise On	3/19/2025 2:22:13 PM
SubDirectory	VN031825	HP Acquire Method	HP Processing Method 82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085994.D	18 Mar 2025 08:52		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085996.D	18 Mar 2025 11:44		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	Comp.#56 and 58 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085998.D	18 Mar 2025 12:32		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085999.D	18 Mar 2025 12:57	%D failed for Comp. #58 in 01PPB and 20PPB	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN086000.D	18 Mar 2025 13:21		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN086001.D	18 Mar 2025 14:09		JC\MD	Ok,M
9	IBLK	IBLK	VN086002.D	18 Mar 2025 14:34		JC\MD	Ok
10	VSTDICV050	ICVVN031825	VN086003.D	18 Mar 2025 16:49	ICV Failed for comp. #39,52,58,68,69,70,78,80,84,85, 86,89 For DOD	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN032525

Review By	John Carlone	Review On	3/26/2025 9:58:06 AM
Supervise By	Mahesh Dadoda	Supervise On	3/26/2025 10:34:55 AM
SubDirectory	VN032525	HP Acquire Method	HP Processing Method 82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133487
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133488,VP133489

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086089.D	25 Mar 2025 09:39		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086090.D	25 Mar 2025 10:27	pH#Lot#V12668	JC\MD	Ok,M
3	VN0325MBL01	VN0325MBL01	VN086091.D	25 Mar 2025 11:02		JC\MD	Ok
4	VN0325WBL01	VN0325WBL01	VN086092.D	25 Mar 2025 11:26		JC\MD	Ok
5	Q1618-02	TP20250320-02	VN086093.D	25 Mar 2025 12:15	vial A pH<2	JC\MD	Ok
6	VN0325WBS01	VN0325WBS01	VN086094.D	25 Mar 2025 12:39		JC\MD	Ok,M
7	PB167276TB	PB167276TB	VN086095.D	25 Mar 2025 13:03		JC\MD	Ok
8	PB167276ZHE#01	PB167276ZHE#01	VN086096.D	25 Mar 2025 13:28		JC\MD	Ok
9	PB167276ZHE#02	PB167276ZHE#02	VN086097.D	25 Mar 2025 13:52		JC\MD	Ok
10	PB167276ZHE#03	PB167276ZHE#03	VN086098.D	25 Mar 2025 14:16		JC\MD	Ok
11	PB167276ZHE#04	PB167276ZHE#04	VN086099.D	25 Mar 2025 14:40		JC\MD	Ok
12	PB167276ZHE#05	PB167276ZHE#05	VN086100.D	25 Mar 2025 15:04		JC\MD	Ok
13	PB167276ZHE#06	PB167276ZHE#06	VN086101.D	25 Mar 2025 15:28		JC\MD	Ok
14	PB167276ZHE#07	PB167276ZHE#07	VN086102.D	25 Mar 2025 15:52		JC\MD	Ok
15	PB167276ZHE#08	PB167276ZHE#08	VN086103.D	25 Mar 2025 16:16		JC\MD	Ok
16	PB167276ZHE#09	PB167276ZHE#09	VN086104.D	25 Mar 2025 16:40		JC\MD	Ok
17	PB167276ZHE#10	PB167276ZHE#10	VN086105.D	25 Mar 2025 17:04		JC\MD	Ok
18	VN0325WBSD01	VN0325WBSD01	VN086106.D	25 Mar 2025 17:28		JC\MD	Ok,M

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN032525

Review By	John Carlone	Review On	3/26/2025 9:58:06 AM
Supervise By	Maresh Dadoda	Supervise On	3/26/2025 10:34:55 AM
SubDirectory	VN032525	HP Acquire Method	HP Processing Method 82N031825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133487		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133488,VP133489		

19	Q1619-08	TP-2	VN086107.D	25 Mar 2025 17:52	vial B pH#5.0	JC\MD	Ok
20	Q1619-10	TP-3	VN086108.D	25 Mar 2025 18:16	vial B pH#5.0	JC\MD	Ok
21	Q1619-12	TP-4	VN086109.D	25 Mar 2025 18:40	vial B pH#5.0	JC\MD	Ok
22	Q1619-14	TP-5	VN086110.D	25 Mar 2025 19:04	vial B pH#5.0	JC\MD	Ok
23	Q1626-02	CO-32-1	VN086111.D	25 Mar 2025 19:28	vial A pH#5.0	JC\MD	Ok
24	Q1627-01	GRID-LINE-1.2-NORTH	VN086112.D	25 Mar 2025 19:52	vial A pH#5.0	JC\MD	Ok
25	Q1630-02	VNJ-206	VN086113.D	25 Mar 2025 20:16	vial A pH#5.0	JC\MD	Ok
26	Q1632-03	PIER-1-2	VN086114.D	25 Mar 2025 20:40	vial A pH#5.0 Surrogate fail	JC\MD	ReRun
27	Q1636-04	WC-1	VN086115.D	25 Mar 2025 21:04	vial A pH#5.0	JC\MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VN086116.D	25 Mar 2025 21:28		JC\MD	Ok,M

M : Manual Integration

SOP ID :	M1311-TCLP-15	Start Prep Date :	03/24/2025	Time :	17:00
SDG No :	N/A	End Prep Date :	03/25/2025	Time :	10:40
Weigh By :	JP	Combination Ratio :	20		
Balance ID :	WC SC-7	ZHE Cleaning Batch :	N/A JN032525		
pH Meter ID :	WC PH METER-1	Initial Room Temperature:	23 °C		
Extraction By :	JP	Final Room Temperature:	22 °C		
Filter By :	JP	TCLP Technician Signature :	JP		
Pipette ID :	WC	Supervisor By :	13		
Tumbler ID :	ZHE-1 / ZHE-2				
TCLP Filter ID :	50223706				

Standardized 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	WP110802
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	23237	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 mintues of tumbling. TUMBLER
ZHE-1 / ZHE-2 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/25/25 12:00	JP / ECH Room	P.S / VOC CLAB
	Preparation Group	Analysis Group

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167276TB	LEB276	N/A	N/A	N/A	N/A	N/A	N/A
Q1626-02	CO-32-1	N/A	N/A	N/A	N/A	100	N/A
Q1627-01	GRID-LINE-1.2-NORTH	N/A	N/A	N/A	N/A	100	N/A
Q1630-02	VNJ-206	N/A	N/A	N/A	N/A	100	N/A
Q1632-03	PIER-1-2	N/A	N/A	N/A	N/A	100	N/A
Q1635-04	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q1636-04	WC-1	N/A	N/A	N/A	N/A	100	N/A
Q1636-08	WC-2	N/A	N/A	N/A	N/A	100	N/A
Q1636-12	WC-3	N/A	N/A	N/A	N/A	100	N/A
Q1636-16	WC-4	N/A	N/A	N/A	N/A	100	N/A
Q1636-20	WC-5	N/A	N/A	N/A	N/A	100	N/A

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
PB167276TB	LEB276	11	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-2
Q1626-02	CO-32-1	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1627-01	GRID-LINE-1.2-NORTH	02	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1630-02	VNJ-206	03	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1632-03	PIER-1-2	04	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1635-04	TP-2	05	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1636-04	WC-1	06	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1636-08	WC-2	07	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1636-12	WC-3	08	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1636-16	WC-4	09	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1636-20	WC-5	10	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHE Q1626

WorkList ID : 188484

Department : TCLP Extraction

Date : 03-24-2025 11:01:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1626-02	CO-32-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	F11	03/21/2025	1311 ZHE
Q1627-01	GRID-LINE-1.2-NORTH	Solid	TCLP ZHE Extraction	Cool 4 deg C	TULL02	I41	03/20/2025	1311 ZHE
Q1630-02	VNJ-206	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	H31	03/24/2025	1311 ZHE
Q1632-03	PIER-1-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE
Q1635-04	TP-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE
Q1636-04	WC-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE
Q1636-08	WC-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE
Q1636-12	WC-3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE
Q1636-16	WC-4	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE
Q1636-20	WC-5	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311 ZHE

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Walsh Construction Comp.
ADDRESS: 150 Clouet rd 11th Floor
CITY: Little Falls STATE: NJ ZIP: 07424
ATTENTION: Benie Dion Goken
PHONE: 646-285-7234 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Construction of shafts
PROJECT NO.: 220084 LOCATION: Queens NY
PROJECT MANAGER: Jesse Sylvestri
e-mail: jsylvestri@walshgroup.com
PHONE: 201-681-9740 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#: ADDRESS: CITY STATE: ZIP: ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): 18 DAYS*
EDD: 3 day DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☒ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. TEL 506 2660
2. TEL 506 2660
3. TEL 506 2660
4. TEL 506 2660
5. TEL 506 2660
6. TEL 506 2660
7. TEL 506 2660
8. TEL 506 2660
9. TEL 506 2660
10. TEL 506 2660

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	CO-32-1	S	✓	✓	3/21/25	1120	20	X	X	X	X	X	X	X	X	X	15-80-3, 1 liter each, 1 liter each	
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: <u>1200</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: <u>21</u> °C
1. <u>[Signature]</u>	DATE/TIME: <u>3/21/25</u>	1. <u>[Signature]</u>	Comments: <u>ACRA Characteristics - Ignitability, Corrosivity, Reactivity - Solid & Cyanide</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Full analyte list in SING e-mail dated 3/18/25
2. <u>[Signature]</u>		2. <u>[Signature]</u>	<u>43-day TAT requested</u>
RELINQUISHED BY SAMPLER:	DATE/TIME: <u>1715</u>	RECEIVED BY:	Page <u>1</u> of <u>1</u>
3. <u>[Signature]</u>	DATE/TIME: <u>3-21-25</u>	3. <u>[Signature]</u>	CLIENT: ☐ Hand Delivered ☐ Other
			Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1626	WALS01	Order Date : 3/21/2025 12:59:00 PM	Project Mgr :
Client Name : Walsh Construction Compai		Project Name : Walsh CO-032 Sampling	Report Type : Level 2
Client Contact : Evelyne Benie Dion Gokan		Receive DateTime : 3/21/2025 12:00:00 AM	EDD Type : Excel NY
Invoice Name : Walsh Construction Compai		Purchase Order : 5:15 pm	Hard Copy Date :
Invoice Contact : Evelyne Benie Dion Gokan			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1626-01	CO-32-1	Solid	03/21/2025	11:20	VOC-TCLVOA-10		8260D		3 Bus. Days

Relinquished By : CS

Date / Time : 3-24-25 10:10

Received By : Sally

Date / Time : 03/24/25 10:10

Storage Area : VOA Refridgerator Room

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1626	WALS01	Order Date : 3/21/2025 12:59:00 PM	Project Mgr :
Client Name : Walsh Construction Compai		Project Name : Walsh CO-032 Sampling	Report Type : Level 2
Client Contact : Evelyne Benie Dion Gokan		Receive DateTime : 3/21/2025 12:00:00 AM	EDD Type : Excel NY
Invoice Name : Walsh Construction Compai		Purchase Order : 5:15 pm	Hard Copy Date :
Invoice Contact : Evelyne Benie Dion Gokan			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1626-01	CO-32-1	Solid	03/21/2025	11:20	Gasoline Range Organics		8015D		3 Bus. Days

Relinquished By :

Date / Time : 3-24-25 1010

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room