

Cover Page

Order ID : Q1949

Project ID : Transfer Station-SPDES

Client : Tully Environmental, Inc

Lab Sample Number

Q1949-01
Q1949-02
Q1949-03
Q1949-04

Client Sample Number

001-WILLETS-PT-BLVD(MAY)
Q1949-01MS
Q1949-01MSD
002-35TH-AVE(MAY)

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: 5/8/2025

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1949

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 05/08/2025

LAB CHRONICLE

OrderID:	Q1949	OrderDate:	5/2/2025 11:56:00 AM
Client:	Tully Environmental, Inc	Project:	Transfer Station-SPDES
Contact:	Dean Devoe	Location:	L21,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1949-01	001-WILLETS-PT-BLV D(MAY)	Water			05/01/25			05/02/25
			VOC-BTEX	624.1			05/07/25	
Q1949-04	002-35TH-AVE(MAY)	Water			05/01/25			05/02/25
			VOC-BTEX	624.1			05/07/25	

Hit Summary Sheet
SW-846

SDG No.: Q1949
Client: Tully Environmental, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: 001-WILLETS-PT-BLVD(MAY)								
Q1949-01	001-WILLETS-PT-1	Water	Toluene	30.0		0.46	5.00	ug/L
Q1949-01	001-WILLETS-PT-1	Water	Ethyl Benzene	0.76	J	0.56	5.00	ug/L
Q1949-01	001-WILLETS-PT-1	Water	m/p-Xylenes	3.50	J	1.30	10.0	ug/L
Q1949-01	001-WILLETS-PT-1	Water	o-Xylene	1.40	J	0.67	5.00	ug/L
Total Voc :				35.7				
Total Concentration:				35.7				
Client ID: 002-35TH-AVE(MAY)								
Q1949-04	002-35TH-AVE(MA	Water	Toluene	36.5		0.46	5.00	ug/L
Q1949-04	002-35TH-AVE(MA	Water	Ethyl Benzene	0.94	J	0.56	5.00	ug/L
Q1949-04	002-35TH-AVE(MA	Water	m/p-Xylenes	4.30	J	1.30	10.0	ug/L
Q1949-04	002-35TH-AVE(MA	Water	o-Xylene	1.90	J	0.67	5.00	ug/L
Total Voc :				43.6				
Total Concentration:				43.6				



QC SUMMARY

Surrogate Summary

SDG No.: Q1949

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1949-01	001-WILLETS-PT-BLVD(MAY)	1,2-Dichloroethane-d4	30	28.7	96	91	110
		Toluene-d8	30	29.6	99	91	112
		4-Bromofluorobenzene	30	28.2	94	63	112
Q1949-02MS	001-WILLETS-PT-BLVD(MAY)MS	1,2-Dichloroethane-d4	30	28.6	95	91	110
		Toluene-d8	30	29.4	98	91	112
		4-Bromofluorobenzene	30	28.9	96	63	112
Q1949-03MSD	001-WILLETS-PT-BLVD(MAY)MSD	1,2-Dichloroethane-d4	30	27.9	93	91	110
		Toluene-d8	30	29.0	97	91	112
		4-Bromofluorobenzene	30	29.3	98	63	112
Q1949-04	002-35TH-AVE(MAY)	1,2-Dichloroethane-d4	30	29.0	97	91	110
		Toluene-d8	30	28.4	95	91	112
		4-Bromofluorobenzene	30	27.7	92	63	112
VN0507WBL01	VN0507WBL01	1,2-Dichloroethane-d4	30	28.2	94	91	110
		Toluene-d8	30	29.6	99	91	112
		4-Bromofluorobenzene	30	26.4	88	63	112
VN0507WBS01	VN0507WBS01	1,2-Dichloroethane-d4	30	28.2	94	91	110
		Toluene-d8	30	29.4	98	91	112
		4-Bromofluorobenzene	30	28.2	94	63	112

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1949

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	Q1949-02MS	Client Sample ID :	001-WILLETS-PT-BLVD(MAY)MS					Datafile :	VN086534.D		
Benzene	20	0	21.8	ug/L	109				37	151	
Toluene	20	30.0	80.9	ug/L	255	*			47	150	
Ethyl Benzene	20	0.76	23.7	ug/L	115				37	162	
m/p-Xylenes	40	3.50	51.4	ug/L	120	*			77	116	
o-Xylene	20	1.40	25.8	ug/L	122	*			83	113	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1949

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Parameter	Spike	Sample	Result	Units	Rec		RPD	Limits			
		Result			Qual	RPD	Qual	Low	High	RPD	
Lab Sample ID :	Q1949-03MSD	Client Sample ID :	001-WILLETS-PT-BLVD(MAY)MSD					Datafile :	VN086535.D		
Benzene	20	0	20.4	ug/L	102		7		37	151	20
Toluene	20	30.0	48.0	ug/L	90		96	*	47	150	20
Ethyl Benzene	20	0.76	21.3	ug/L	103		11		37	162	20
m/p-Xylenes	40	3.50	45.4	ug/L	105		13		77	116	20
o-Xylene	20	1.40	22.8	ug/L	107		13		83	113	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1949

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Datafile : VN086529.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN0507WBS01	Benzene	20	19.6	ug/L	98			65	135	
	Toluene	20	20.5	ug/L	103			70	130	
	Ethyl Benzene	20	19.9	ug/L	100			60	140	
	m/p-Xylenes	40	40.5	ug/L	101			87	111	
	o-Xylene	20	20.3	ug/L	102			87	111	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1949

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Datafile : VN086530.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0507WBSD01	Benzene	20	19.9	ug/L	100	2		65	135	20
	Toluene	20	20.1	ug/L	101	2		70	130	20
	Ethyl Benzene	20	19.9	ug/L	100	0		60	140	20
	m/p-Xylenes	40	40.9	ug/L	102	1		87	111	20
	o-Xylene	20	20.8	ug/L	104	2		87	111	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0507WBL01

Lab Name: CHEMTECH

Contract: TULL01

Lab Code: CHEM Case No.: Q1949

SAS No.: Q1949 SDG NO.: Q1949

Lab File ID: VN086531.D

Lab Sample ID: VN0507WBL01

Date Analyzed: 05/07/2025

Time Analyzed: 12:45

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
VN0507WBS01	VN0507WBS01	VN086529.D	05/07/2025
001-WILLETS-PT-BLVD (MAY)	Q1949-01	VN086532.D	05/07/2025
002-35TH-AVE (MAY)	Q1949-04	VN086533.D	05/07/2025
001-WILLETS-PT-BLVD (MAY) MS	Q1949-02MS	VN086534.D	05/07/2025
001-WILLETS-PT-BLVD (MAY) MSD	Q1949-03MSD	VN086535.D	05/07/2025

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL01
Lab Code: CHEM Case No.: Q1949 SAS No.: Q1949 SDG NO.: Q1949
Lab File ID: VN086371.D BFB Injection Date: 04/23/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:43
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	52.7
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 (0.8) 1
174	50.0 - 100.0% of mass 95	70.5
175	5.0 - 9.0% of mass 174	5.5 (7.7) 1
176	95.0 - 101.0% of mass 174	67.1 (95.1) 1
177	5.0 - 9.0% of mass 176	4.7 (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
VSTDIC005	VSTDIC005	VN086372.D	04/23/2025	09:22
VSTDIC020	VSTDIC020	VN086373.D	04/23/2025	09:45
VSTDIC150	VSTDIC150	VN086378.D	04/23/2025	11:53
VSTDIC100	VSTDIC100	VN086379.D	04/23/2025	12:37
VSTDIC050	VSTDIC050	VN086380.D	04/23/2025	13:17



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL01
Lab Code: CHEM Case No.: Q1949 SAS No.: Q1949 SDG NO.: Q1949
Lab File ID: VN086527.D BFB Injection Date: 05/07/2025
Instrument ID: MSVOA_N BFB Injection Time: 09:47
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	18.1
75	30.0 - 60.0% of mass 95	50.4
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	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	75.1
175	5.0 - 9.0% of mass 174	5.4 (7.1) 1
176	95.0 - 101.0% of mass 174	73.1 (97.3) 1
177	5.0 - 9.0% of mass 176	4.9 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN086528.D	05/07/2025	11:01
VN0507WBS01	VN0507WBS01	VN086529.D	05/07/2025	11:38
VN0507WBL01	VN0507WBL01	VN086531.D	05/07/2025	12:45
001-WILLETS-PT-BLVD (MAY)	Q1949-01	VN086532.D	05/07/2025	13:20
002-35TH-AVE (MAY)	Q1949-04	VN086533.D	05/07/2025	13:44
001-WILLETS-PT-BLVD (MAY) MS	Q1949-02MS	VN086534.D	05/07/2025	14:45
001-WILLETS-PT-BLVD (MAY) MSD	Q1949-03MSD	VN086535.D	05/07/2025	15:09

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TULL01
Lab Code: CHEM Case No.: Q1949 SAS No.: Q1949 SDG NO.: Q1949
Lab File ID: VN086528.D Date Analyzed: 05/07/2025
Instrument ID: MSVOA_N Time Analyzed: 11:01
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	37360	7.81	216995	9.10	198839	11.87
UPPER LIMIT	74720	8.312	433990	9.6	397678	12.365
LOWER LIMIT	18680	7.312	108498	8.6	99419.5	11.365
EPA SAMPLE NO.						
001-WILLETS-PT-BLVD (MAY)	45740	7.81	271916	9.10	243077	11.87
001-WILLETS-PT-BLVD (MAY) MS	23320	7.81	137659	9.10	122368	11.87
001-WILLETS-PT-BLVD (MAY) MSD	49262	7.81	288210	9.10	268601	11.87
002-35TH-AVE (MAY)	35173	7.81	208940	9.10	197341	11.87
VN0507WBL01	36489	7.81	216920	9.09	188358	11.87
VN0507WBS01	35227	7.81	207904	9.10	189799	11.87

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TULL01
 Lab Code: CHEM Case No.: Q1949 SAS No.: Q1949 SDG NO.: Q1949
 Lab File ID: VN086528.D Date Analyzed: 05/07/2025
 Instrument ID: MSVOA_N Time Analyzed: 11:01
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0					
LOWER LIMIT	0					
EPA SAMPLE NO.						
001-WILLETS-PT-BLVD (MAY)	0	0.00				
001-WILLETS-PT-BLVD (MAY) MS	0	0.00				
001-WILLETS-PT-BLVD (MAY) MSD	0	0.00				
002-35TH-AVE (MAY)	0	0.00				
VN0507WBL01	0	0.00				
VN0507WBS01	0	0.00				

IS4 =

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	05/01/25
Project:	Transfer Station-SPDES	Date Received:	05/02/25
Client Sample ID:	001-WILLETS-PT-BLVD(MAY)	SDG No.:	Q1949
Lab Sample ID:	Q1949-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOC-BTEX

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086532.D	1		05/07/25 13:20	VN050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
108-88-3	Toluene	30.0		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	0.76	J	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	3.50	J	1.30	10.0	ug/L
95-47-6	o-Xylene	1.40	J	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.7		91 - 110	96%	SPK: 30
2037-26-5	Toluene-d8	29.6		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.2		63 - 112	94%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	45700	7.812			
540-36-3	1,4-Difluorobenzene	272000	9.095			
3114-55-4	Chlorobenzene-d5	243000	11.865			

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\VN050725\
 Data File : VN086532.D
 Acq On : 07 May 2025 13:20
 Operator : JC\MD
 Sample : Q1949-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(MAY)

Quant Time: May 08 03:25:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

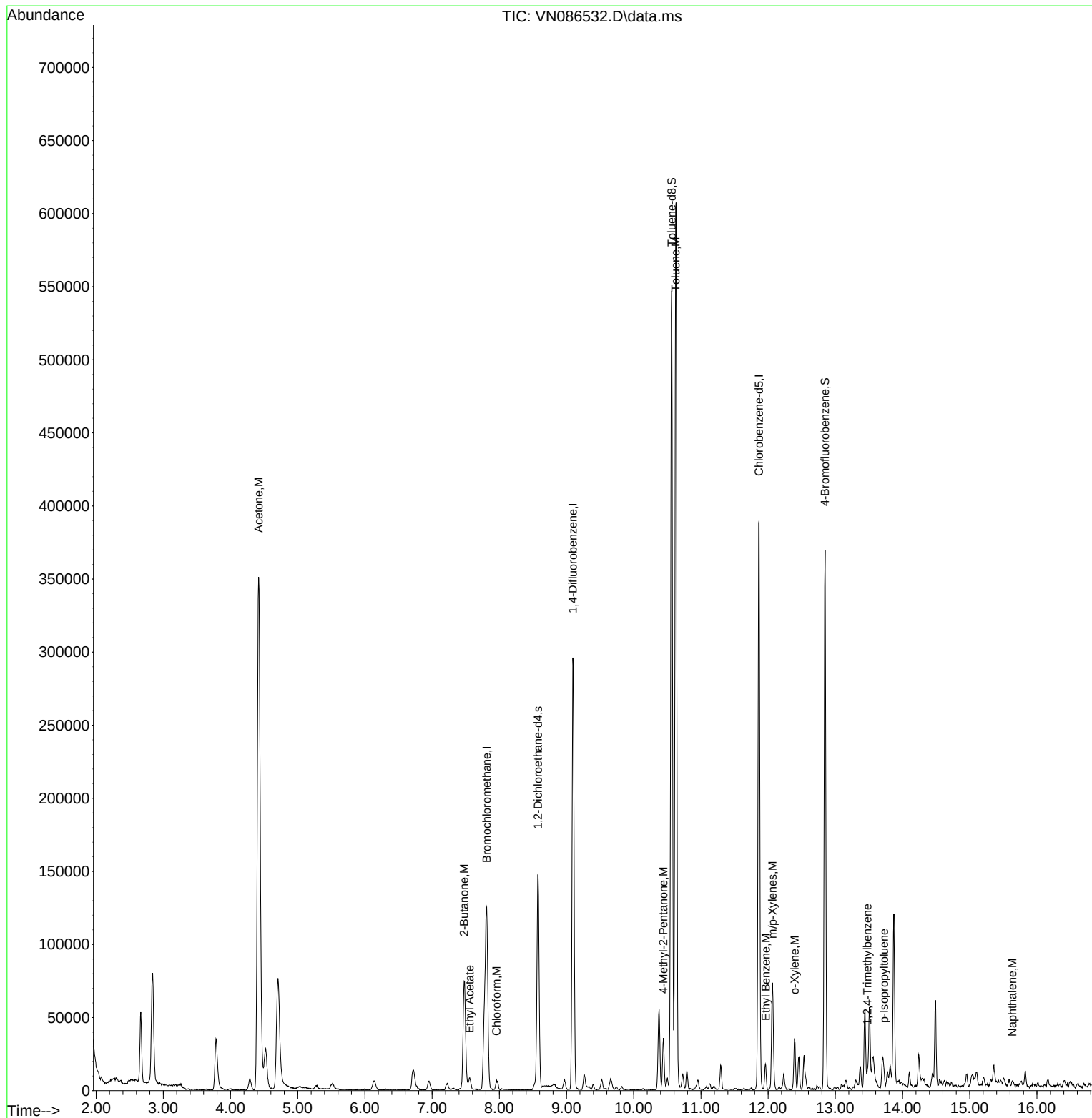
Internal Standards						
1) Bromochloromethane	7.812	128	45740	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.095	114	271916	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	243077	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	126733	28.738	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.800%
60) 4-Bromofluorobenzene	12.847	95	134917	28.240	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.133%
63) Toluene-d8	10.565	98	395947	29.608	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.700%
Target Compounds						
					Qvalue	
15) Acetone	4.418	58	214983	463.481	ug/l	98
25) Chloroform	7.959	83	6424	0.956	ug/l	96
30) 2-Butanone	7.477	43	120575	51.822	ug/l	97
43) Ethyl Acetate	7.559	43	13521	2.936	ug/l	95
58) 4-Methyl-2-Pentanone	10.441	43	22889	4.866	ug/l	98
62) Toluene	10.624	91	487357	29.953	ug/l	100
66) Ethyl Benzene	11.965	91	13831	0.755	ug/l	100
67) m/p-Xylenes	12.065	106	23972	3.450	ug/l	96
68) o-Xylene	12.394	106	9682	1.423	ug/l	94
80) 1,2,4-Trimethylbenzene	13.477	105	9973	0.701	ug/l	80
82) p-Isopropyltoluene	13.724	119	5048	0.354	ug/l	98
91) Naphthalene	15.635	128	5170	0.451	ug/l #	85

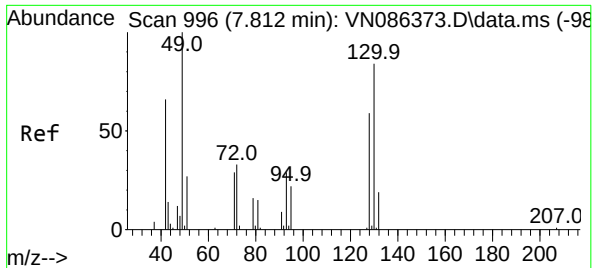
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
Data File : VN086532.D
Acq On : 07 May 2025 13:20
Operator : JC\MD
Sample : Q1949-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

Quant Time: May 08 03:25:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

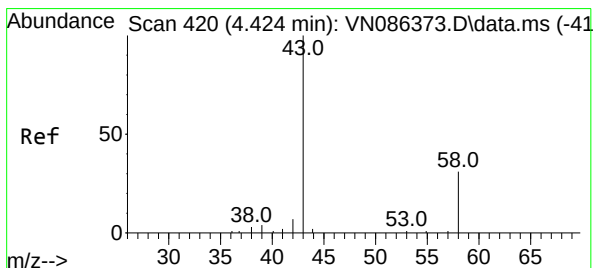
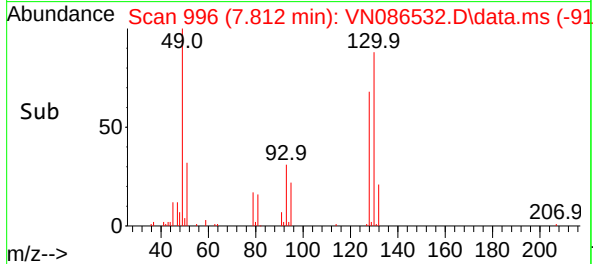
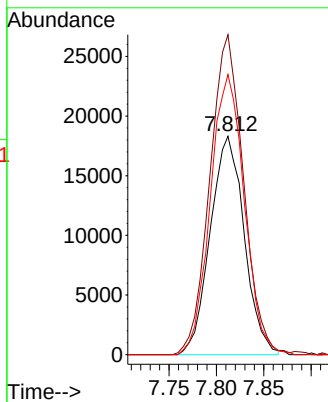
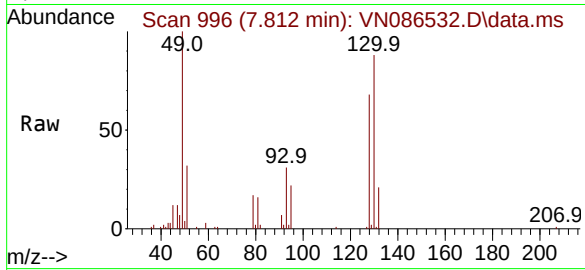




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

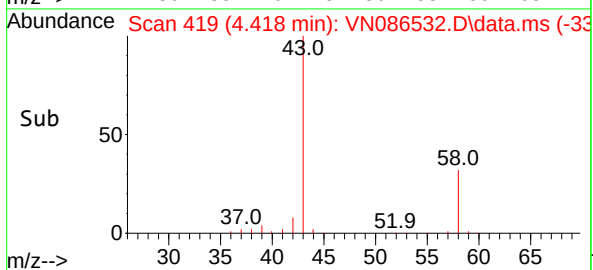
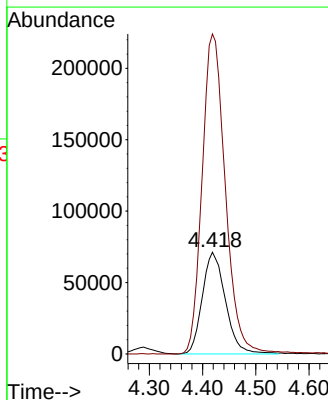
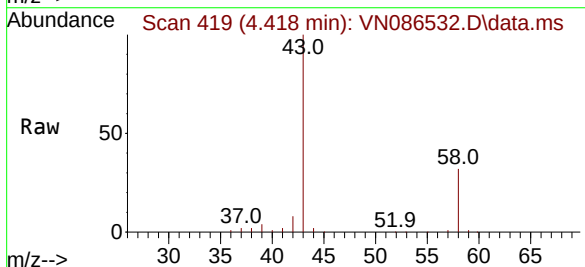
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

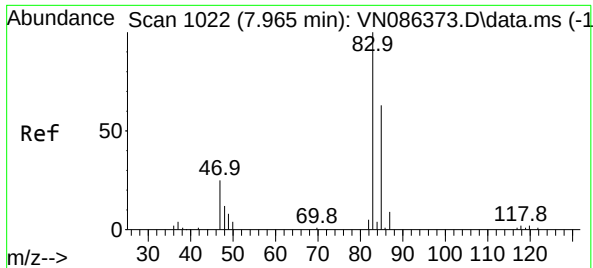
Tgt Ion	Ratio	Lower	Upper
128	100		
49	144.7	0.0	433.8
130	128.3	0.0	325.0



#15
Acetone
Concen: 463.481 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion	Ratio	Lower	Upper
58	100		
43	314.3	255.1	382.7





#25

Chloroform

Concen: 0.956 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086532.D

Acq: 07 May 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

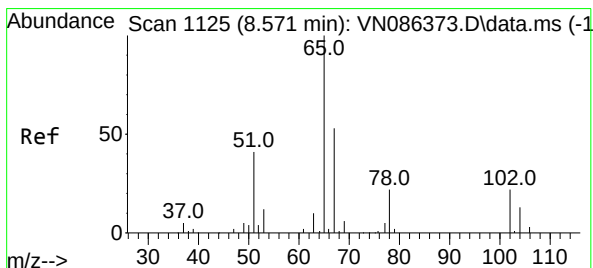
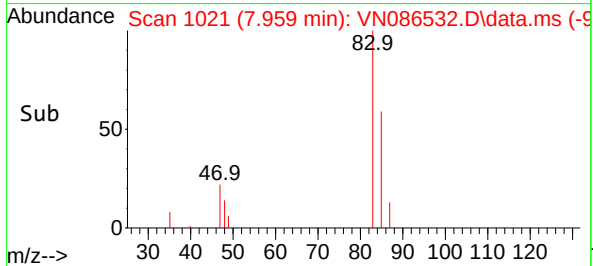
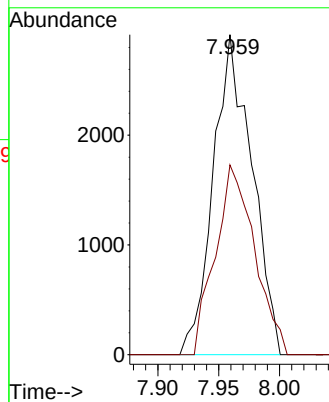
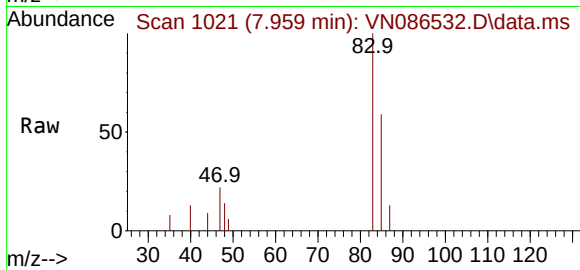
001-WILLETS-PT-BLVD(MAY)

Tgt Ion: 83 Resp: 6424

Ion Ratio Lower Upper

83 100

85 59.3 50.2 75.2



#27

1,2-Dichloroethane-d4

Concen: 28.738 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN086532.D

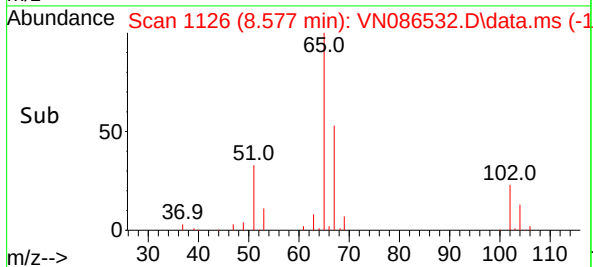
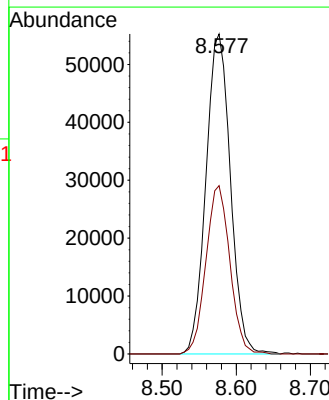
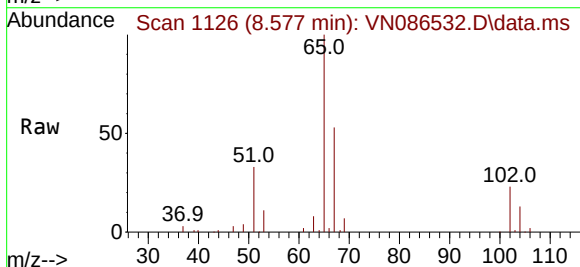
Acq: 07 May 2025 13:20

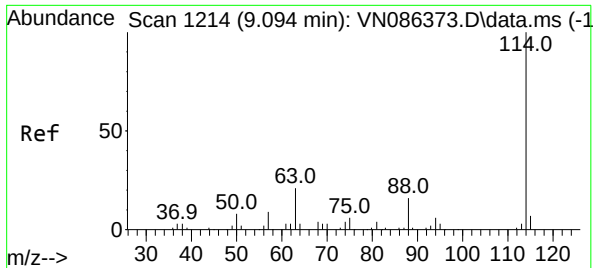
Tgt Ion: 65 Resp: 126733

Ion Ratio Lower Upper

65 100

67 51.3 42.5 63.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.095 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086532.D

Acq: 07 May 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)

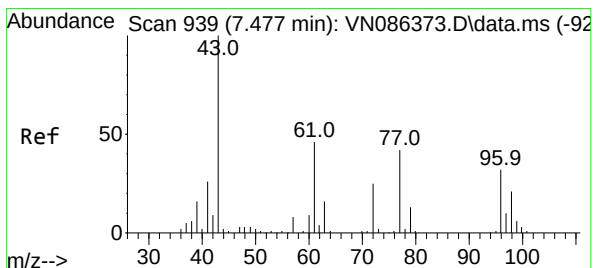
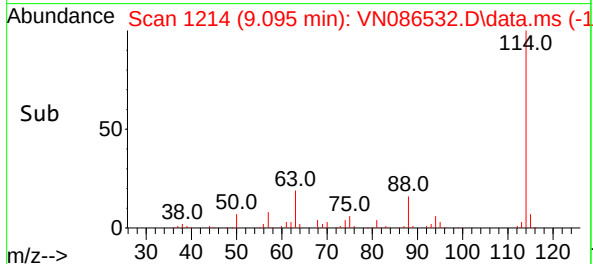
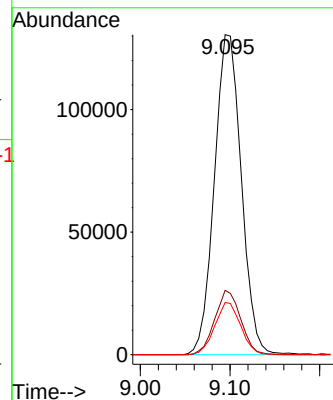
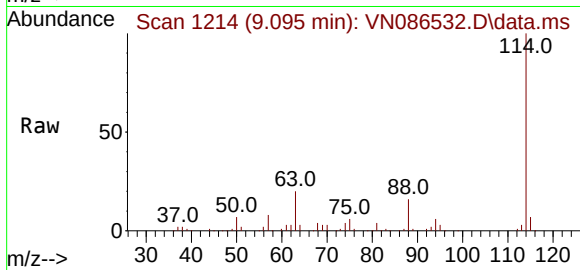
Tgt Ion:114 Resp: 271916

Ion Ratio Lower Upper

114 100

63 19.3 16.7 25.1

88 15.7 12.6 19.0



#30

2-Butanone

Concen: 51.822 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.000 min

Lab File: VN086532.D

Acq: 07 May 2025 13:20

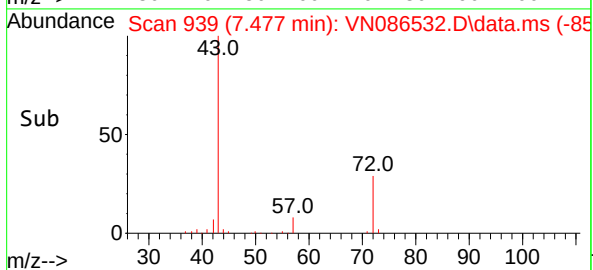
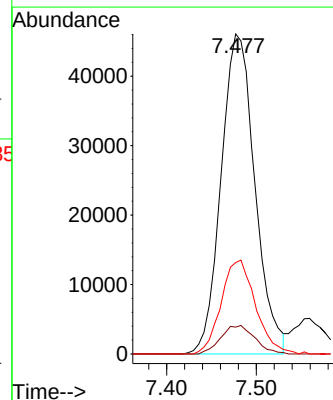
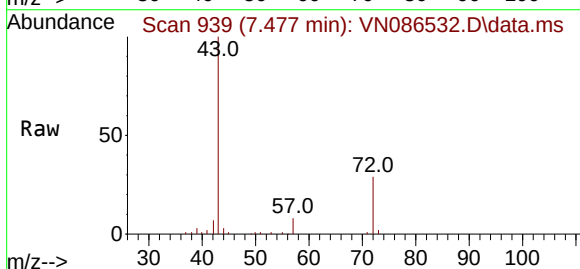
Tgt Ion: 43 Resp: 120575

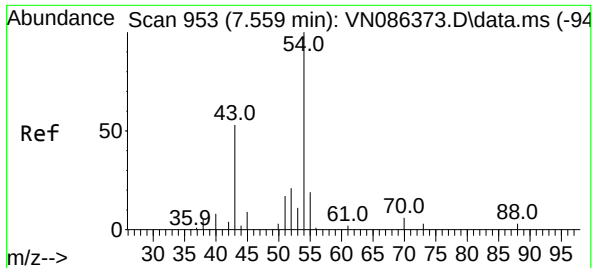
Ion Ratio Lower Upper

43 100

57 9.0 6.6 10.0

72 29.7 22.2 33.4





#43

Ethyl Acetate

Concen: 2.936 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN086532.D

Acq: 07 May 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

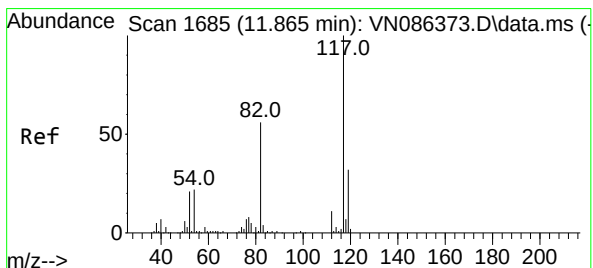
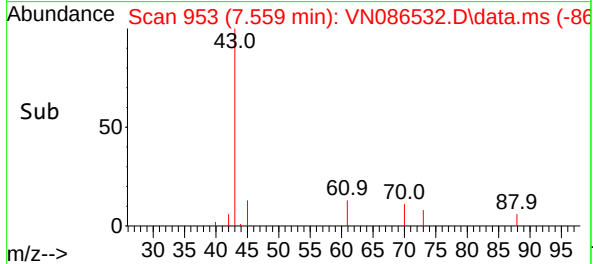
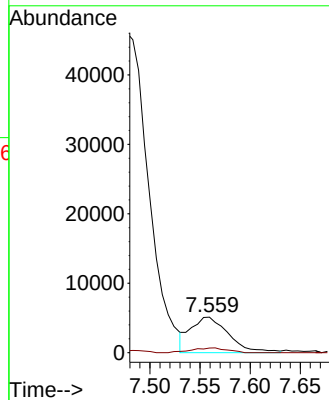
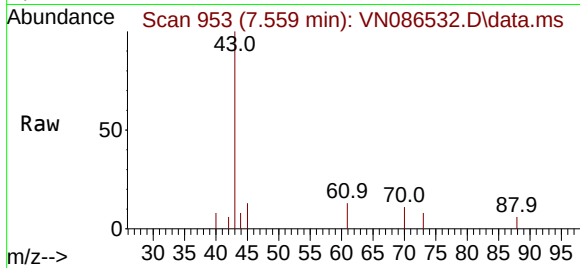
001-WILLETS-PT-BLVD(MAY)

Tgt Ion: 43 Resp: 13521

Ion Ratio Lower Upper

43 100

45 12.4 11.4 17.2



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN086532.D

Acq: 07 May 2025 13:20

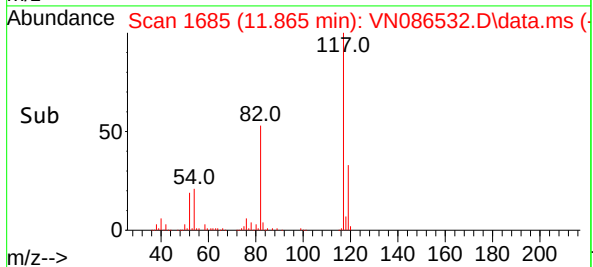
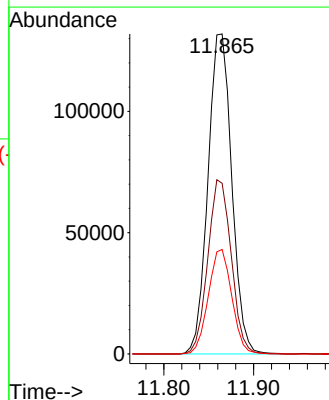
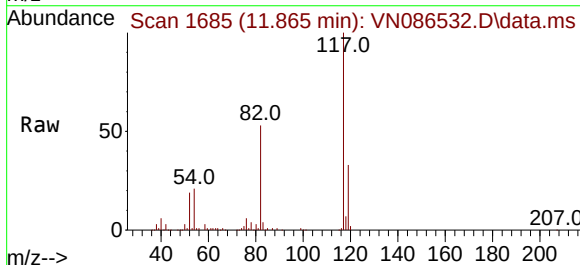
Tgt Ion: 117 Resp: 243077

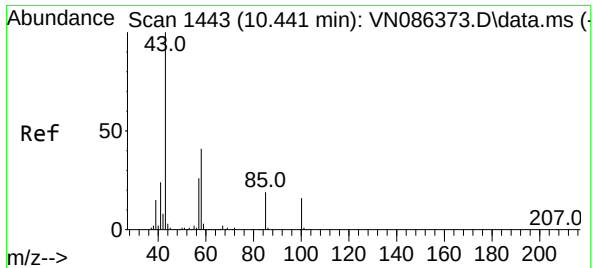
Ion Ratio Lower Upper

117 100

82 53.7 45.5 68.3

119 32.2 25.9 38.9

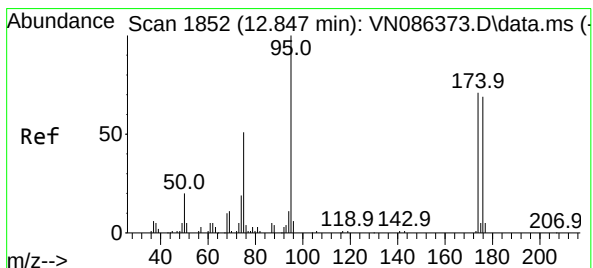
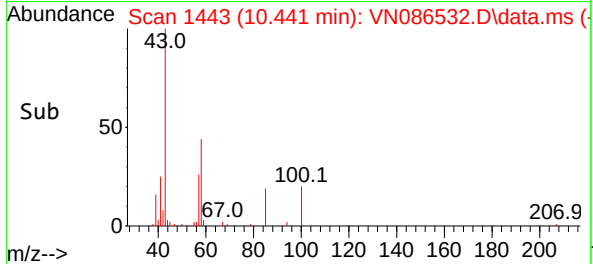
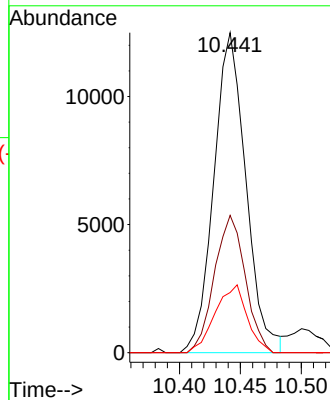
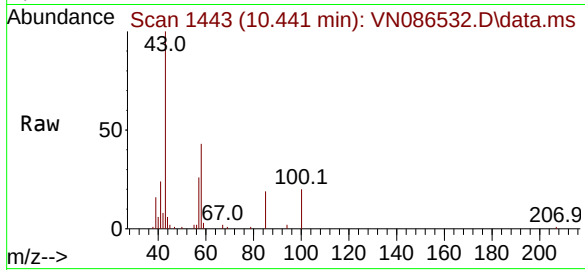




#58
4-Methyl-2-Pentanone
Concen: 4.866 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

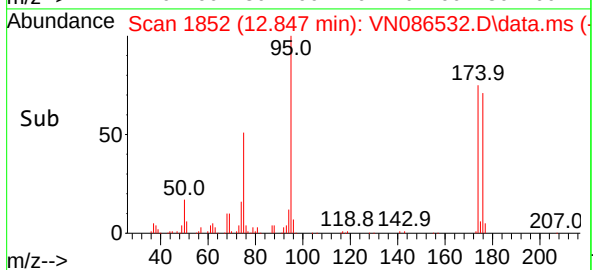
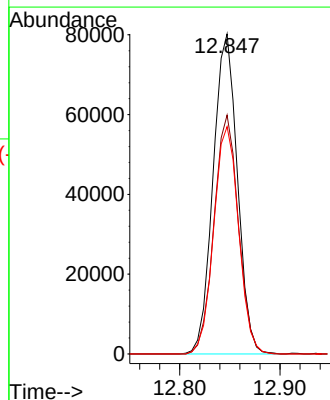
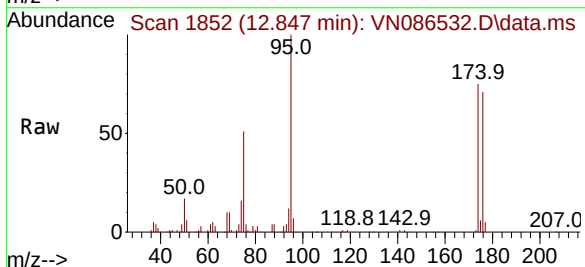
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

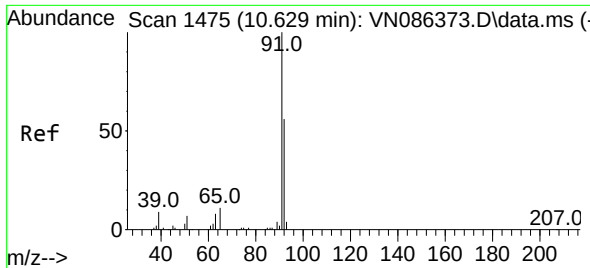
Tgt Ion: 43 Resp: 22889
Ion Ratio Lower Upper
43 100
58 41.2 33.0 49.6
85 21.2 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 28.240 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion: 95 Resp: 134917
Ion Ratio Lower Upper
95 100
174 75.2 56.6 84.8
176 72.5 53.3 79.9

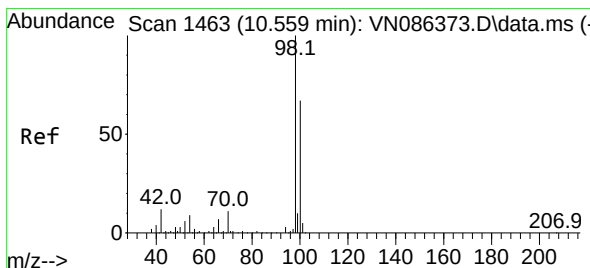
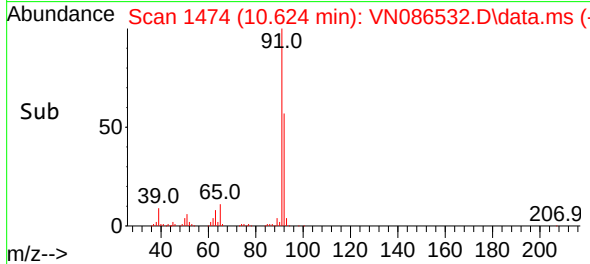
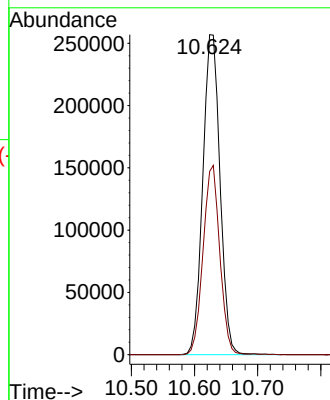
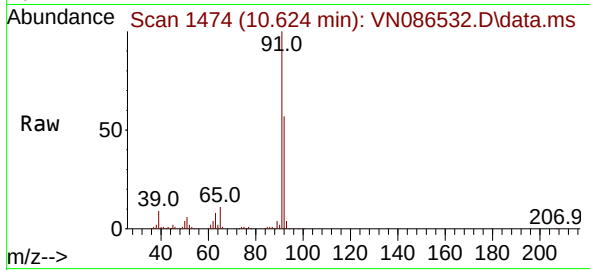




#62
Toluene
Concen: 29.953 ug/l
RT: 10.624 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

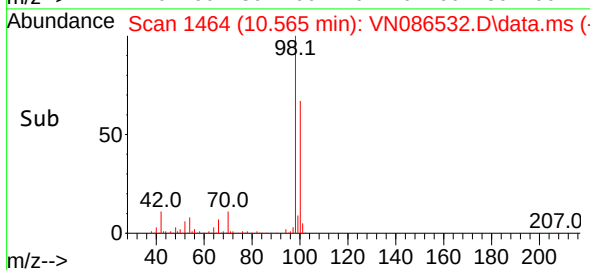
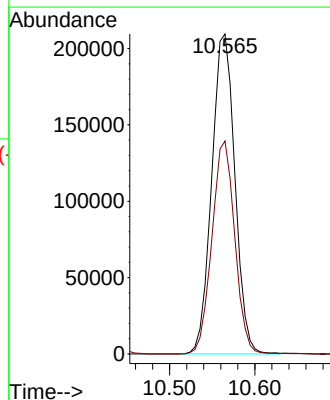
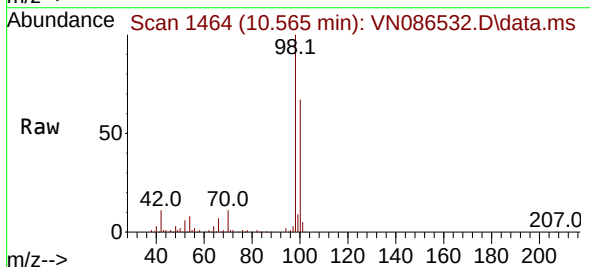
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

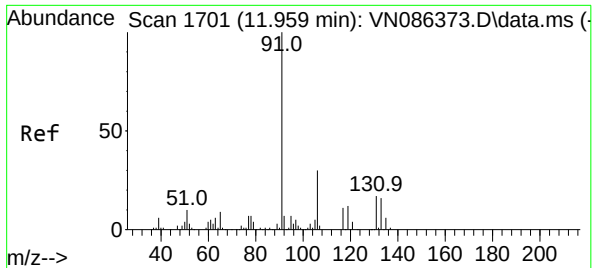
Tgt Ion: 91 Resp: 487357
Ion Ratio Lower Upper
91 100
92 57.3 45.7 68.5



#63
Toluene-d8
Concen: 29.608 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion: 98 Resp: 395947
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7

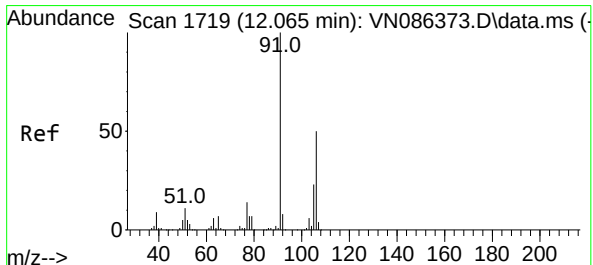
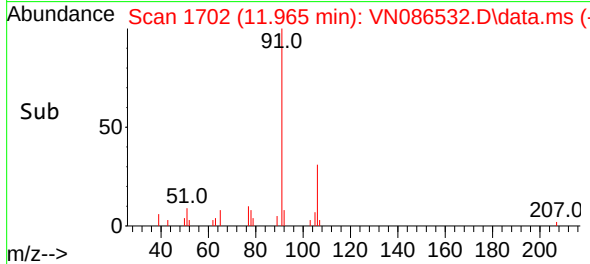
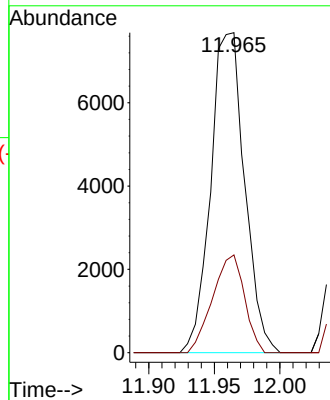
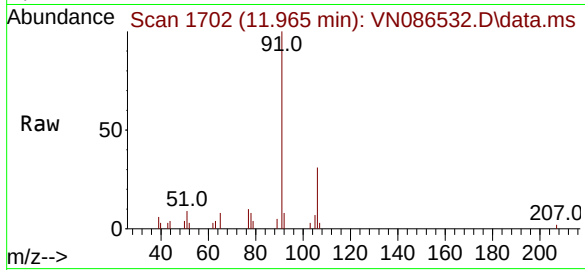




#66
Ethyl Benzene
Concen: 0.755 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

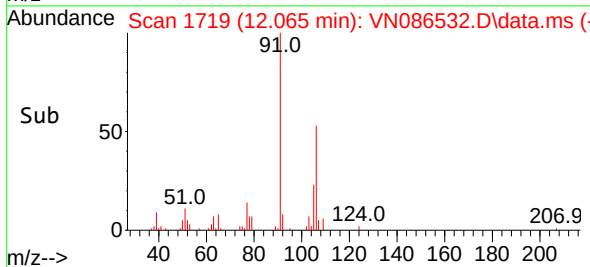
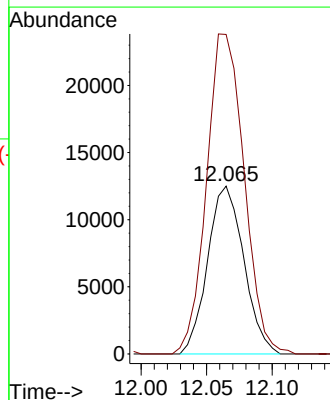
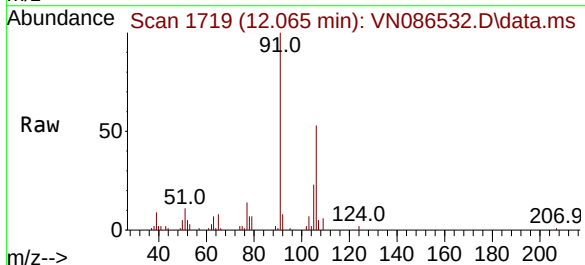
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

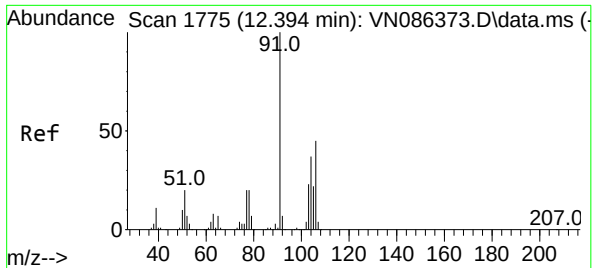
Tgt Ion: 91 Resp: 13831
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5



#67
m/p-Xylenes
Concen: 3.450 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion:106 Resp: 23972
Ion Ratio Lower Upper
106 100
91 197.8 162.6 243.8

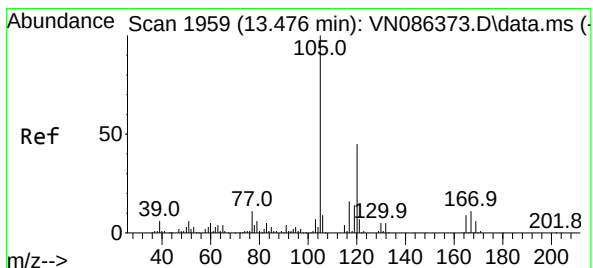
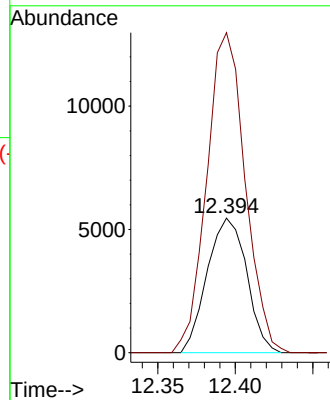
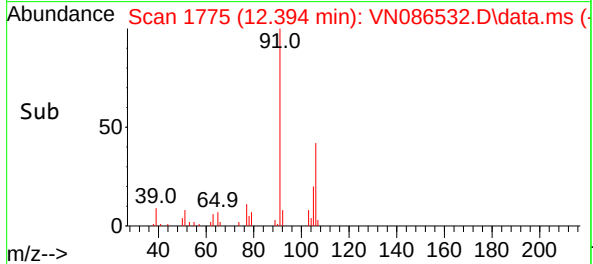
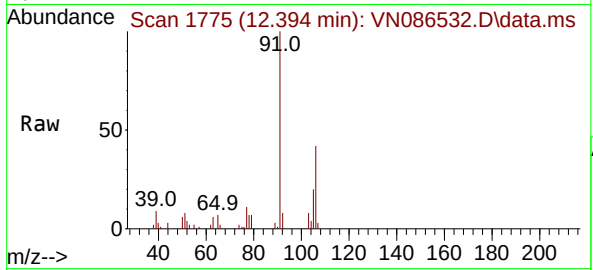




#68
o-Xylene
Concen: 1.423 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

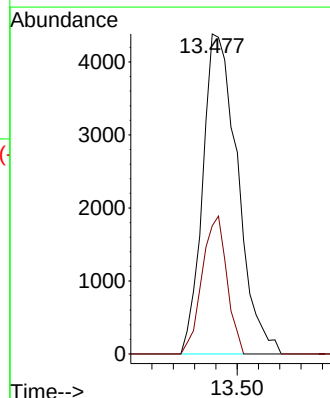
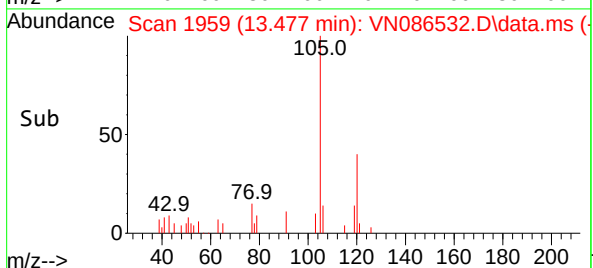
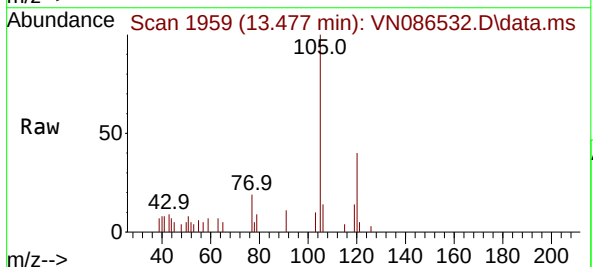
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

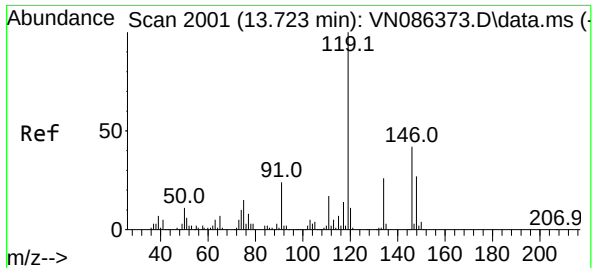
Tgt Ion:106 Resp: 9682
Ion Ratio Lower Upper
106 100
91 231.5 110.6 331.6



#80
1,2,4-Trimethylbenzene
Concen: 0.701 ug/l
RT: 13.477 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion:105 Resp: 9973
Ion Ratio Lower Upper
105 100
120 30.7 0.0 87.6

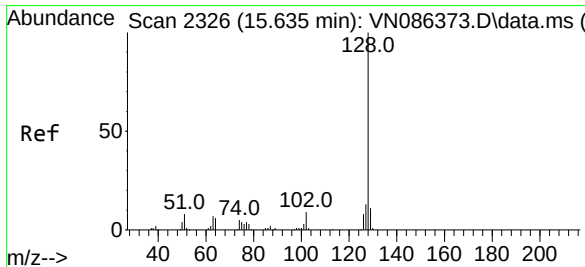
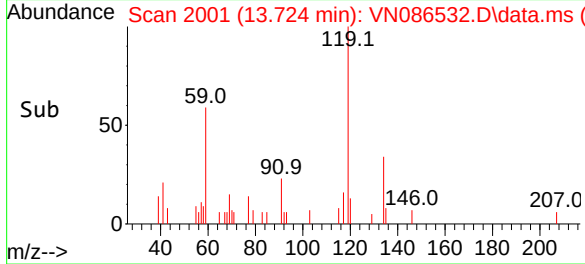
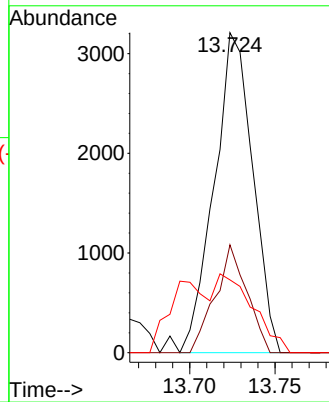
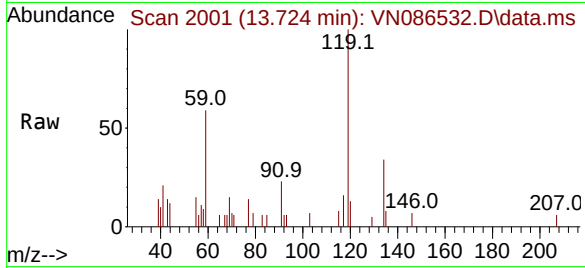




#82
p-Isopropyltoluene
Concen: 0.354 ug/l
RT: 13.724 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

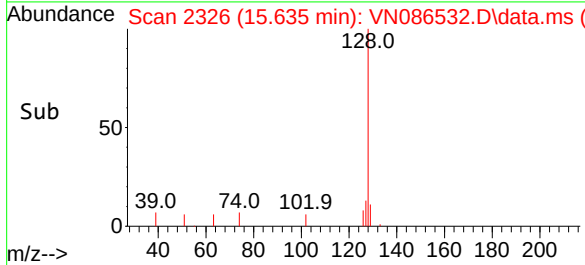
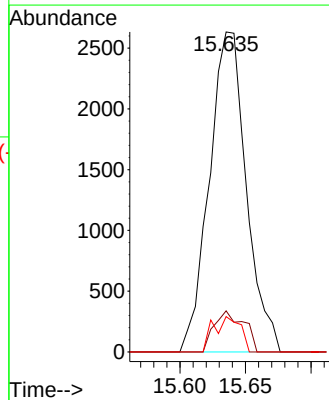
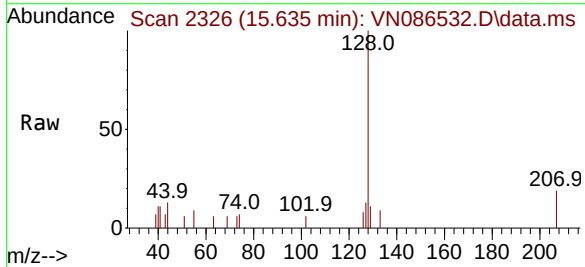
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.8	0.0	52.2
91	23.6	0.0	47.6



#91
Naphthalene
Concen: 0.451 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086532.D
Acq: 07 May 2025 13:20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.0	10.6	15.8#
129	5.2	8.7	13.1#



Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	05/01/25
Project:	Transfer Station-SPDES	Date Received:	05/02/25
Client Sample ID:	002-35TH-AVE(MAY)	SDG No.:	Q1949
Lab Sample ID:	Q1949-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086533.D	1		05/07/25 13:44	VN050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
108-88-3	Toluene	36.5		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	0.94	J	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	4.30	J	1.30	10.0	ug/L
95-47-6	o-Xylene	1.90	J	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.0		91 - 110	97%	SPK: 30
2037-26-5	Toluene-d8	28.4		91 - 112	95%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.7		63 - 112	92%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	35200	7.806			
540-36-3	1,4-Difluorobenzene	209000	9.1			
3114-55-4	Chlorobenzene-d5	197000	11.865			

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\VN050725\
 Data File : VN086533.D
 Acq On : 07 May 2025 13:44
 Operator : JC\MD
 Sample : Q1949-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(MAY)

Quant Time: May 08 03:25:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

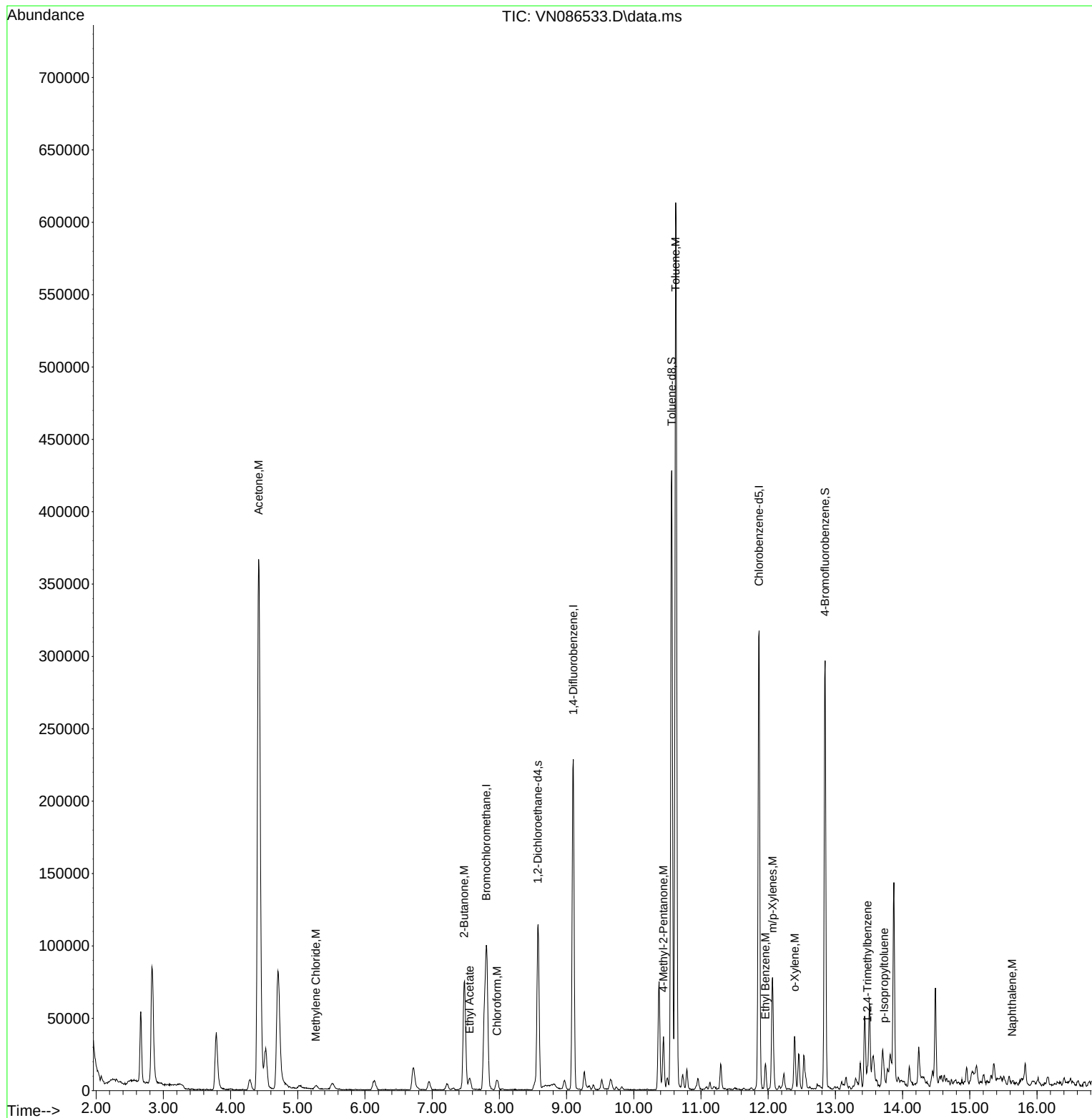
Internal Standards						
1) Bromochloromethane	7.806	128	35173	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	208940	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	197341	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	98340	28.999	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.667%
60) 4-Bromofluorobenzene	12.847	95	107374	27.684	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.267%
63) Toluene-d8	10.565	98	308732	28.437	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.800%
Target Compounds						
					Qvalue	
15) Acetone	4.418	58	221004	619.605	ug/l	97
18) Methylene Chloride	5.271	84	2276	0.814	ug/l #	83
25) Chloroform	7.965	83	6337	1.226	ug/l	94
30) 2-Butanone	7.477	43	122390	68.457	ug/l	97
43) Ethyl Acetate	7.559	43	11914	3.367	ug/l #	84
58) 4-Methyl-2-Pentanone	10.441	43	23574	6.173	ug/l	97
62) Toluene	10.623	91	482611	36.536	ug/l	99
66) Ethyl Benzene	11.959	91	13924	0.936	ug/l	93
67) m/p-Xylenes	12.065	106	24037	4.261	ug/l	98
68) o-Xylene	12.394	106	10645	1.927	ug/l	92
80) 1,2,4-Trimethylbenzene	13.476	105	9849	0.852	ug/l	83
82) p-Isopropyltoluene	13.723	119	5326	0.460	ug/l	81
91) Naphthalene	15.629	128	3965	0.426	ug/l #	87

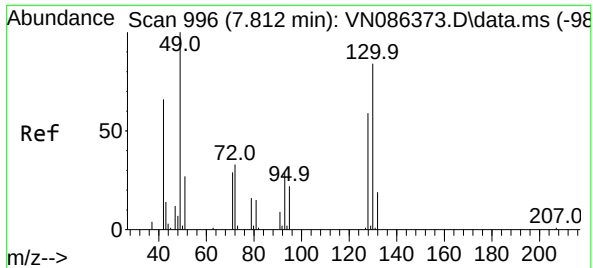
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
Data File : VN086533.D
Acq On : 07 May 2025 13:44
Operator : JC\MD
Sample : Q1949-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

Quant Time: May 08 03:25:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

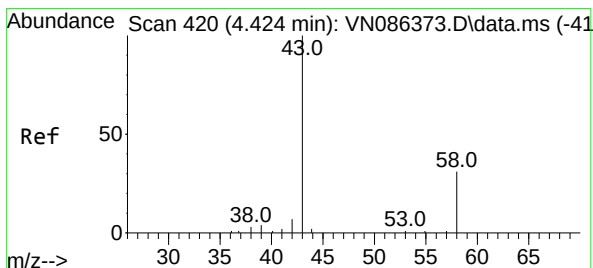
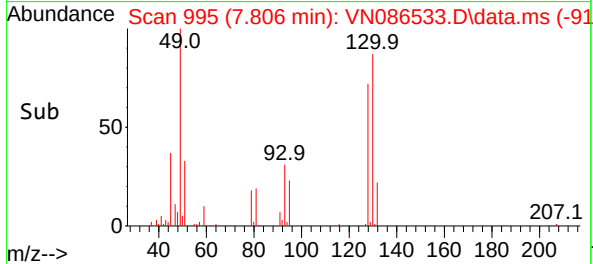
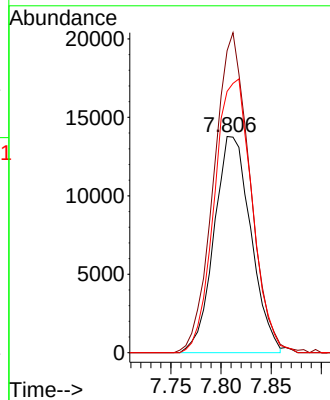
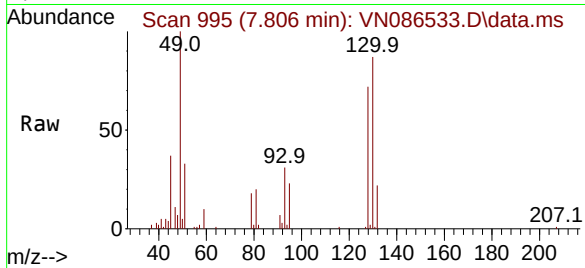




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 996
Delta R.T. -0.006 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

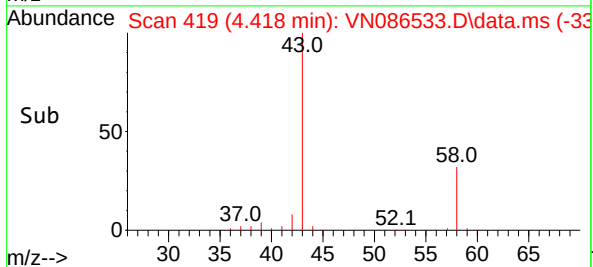
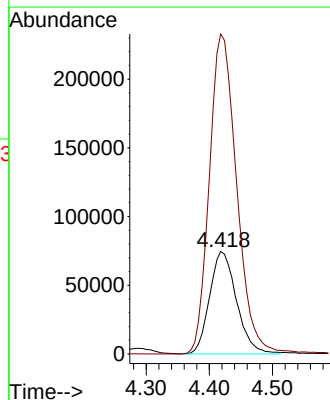
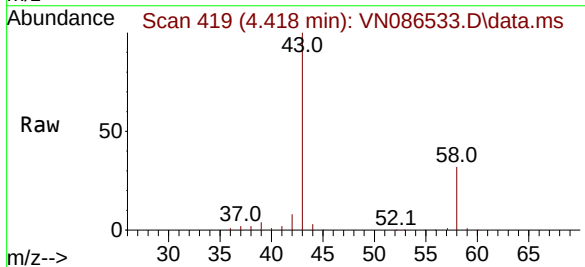
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

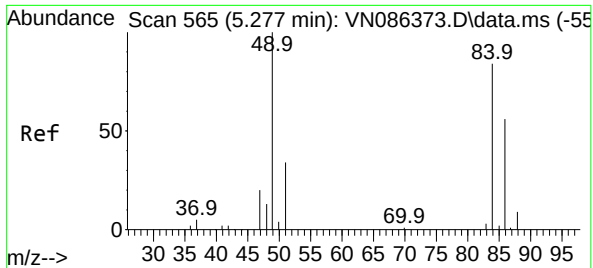
Tgt Ion	128	Resp	35173
Ion Ratio	Lower	Upper	
128	100		
49	145.4	0.0	433.8
130	129.7	0.0	325.0



#15
Acetone
Concen: 619.605 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

Tgt Ion	58	Resp	221004
Ion Ratio	Lower	Upper	
58	100		
43	312.1	255.1	382.7





#18

Methylene Chloride

Concen: 0.814 ug/l

RT: 5.271 min Scan# 5

Delta R.T. -0.006 min

Lab File: VN086533.D

Acq: 07 May 2025 13:44

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(MAY)

Tgt Ion: 84 Resp: 2276

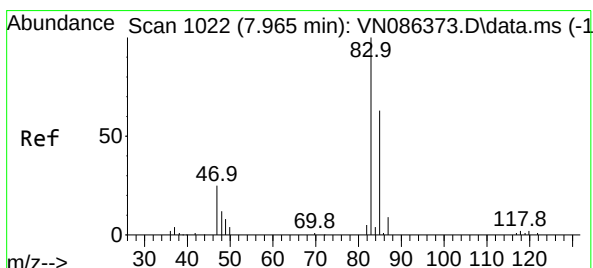
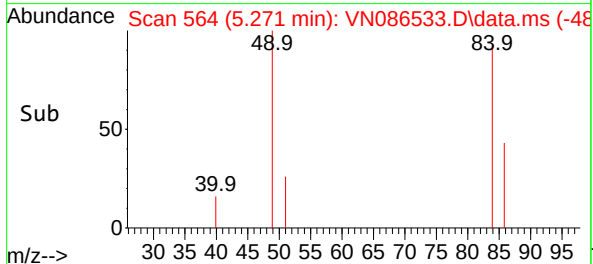
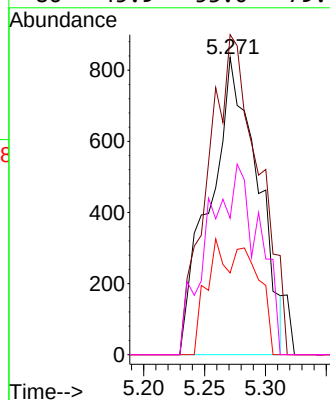
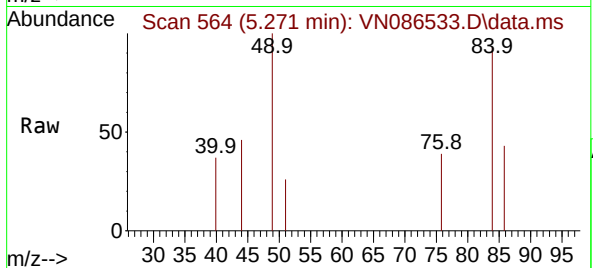
Ion Ratio Lower Upper

84 100

49 107.7 95.4 143.0

51 27.5 32.8 49.2#

86 45.9 53.0 79.4#



#25

Chloroform

Concen: 1.226 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086533.D

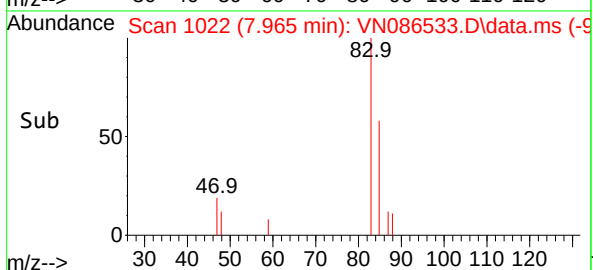
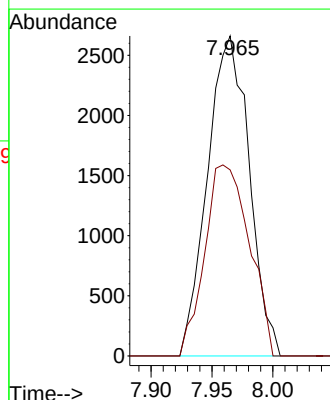
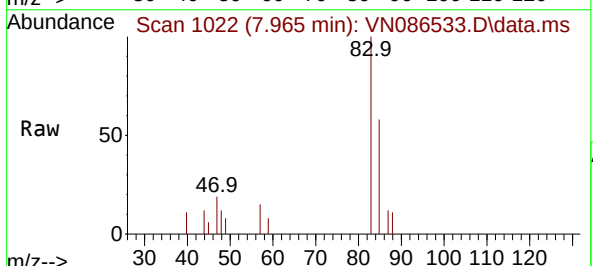
Acq: 07 May 2025 13:44

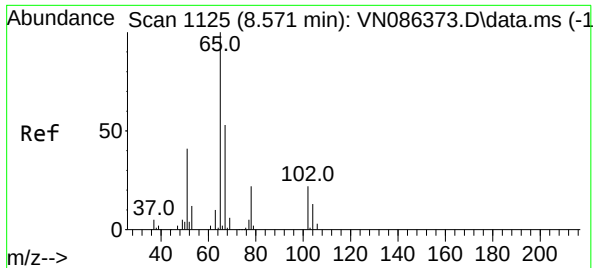
Tgt Ion: 83 Resp: 6337

Ion Ratio Lower Upper

83 100

85 58.2 50.2 75.2





#27

1,2-Dichloroethane-d4

Concen: 28.999 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN086533.D

Acq: 07 May 2025 13:44

Instrument :

MSVOA_N

ClientSampleId :

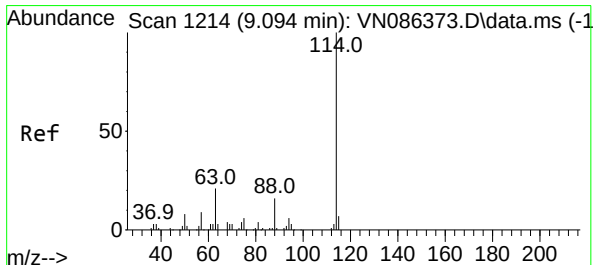
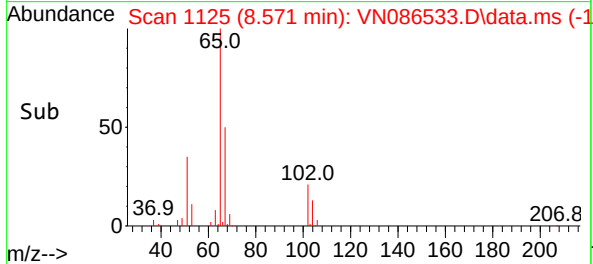
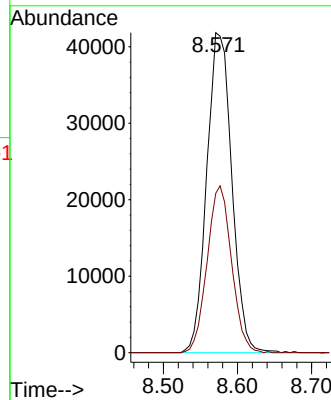
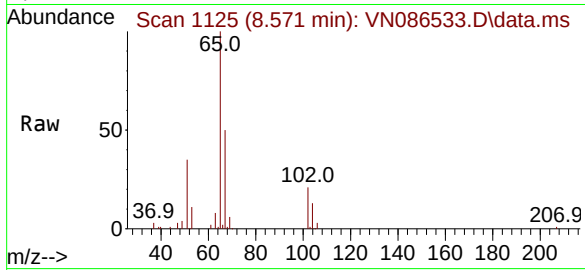
002-35TH-AVE(MAY)

Tgt Ion: 65 Resp: 98340

Ion Ratio Lower Upper

65 100

67 50.7 42.5 63.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN086533.D

Acq: 07 May 2025 13:44

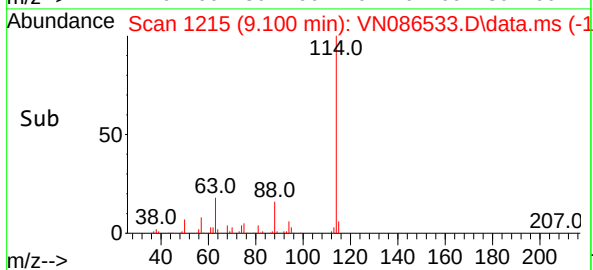
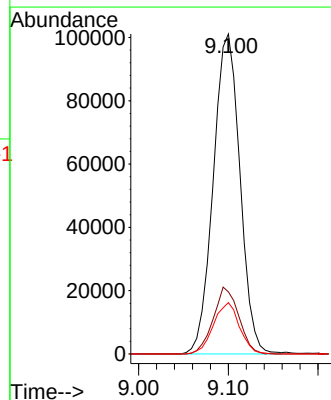
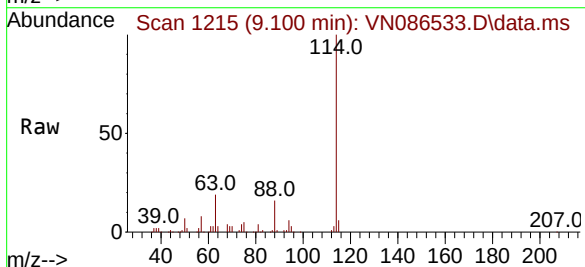
Tgt Ion: 114 Resp: 208940

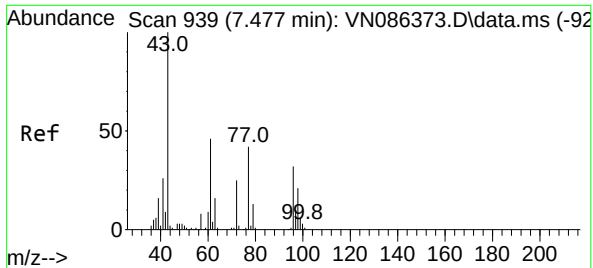
Ion Ratio Lower Upper

114 100

63 19.8 16.7 25.1

88 15.6 12.6 19.0

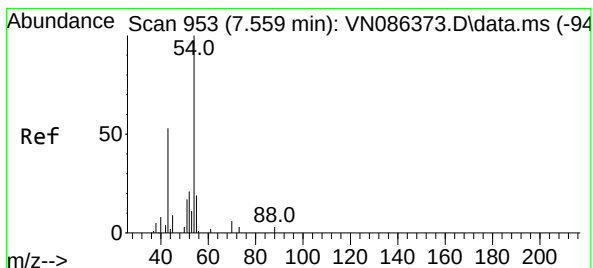
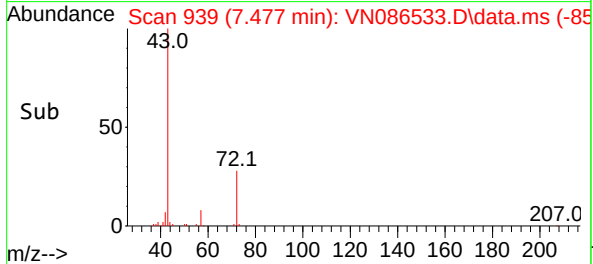
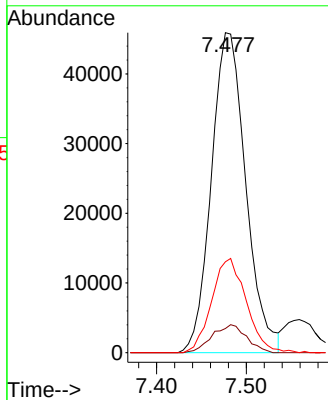
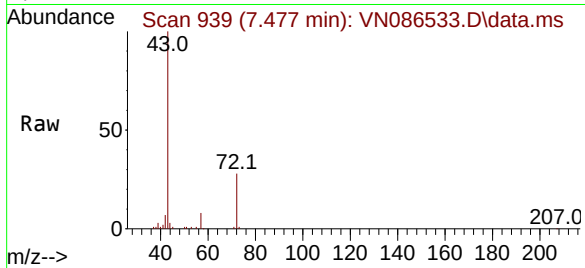




#30
2-Butanone
Concen: 68.457 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

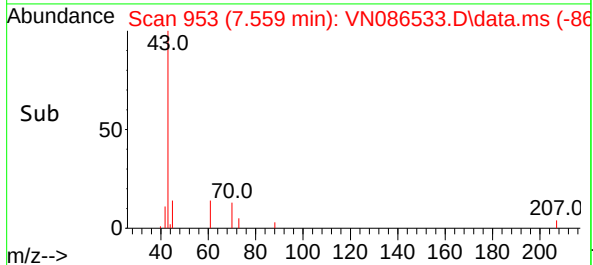
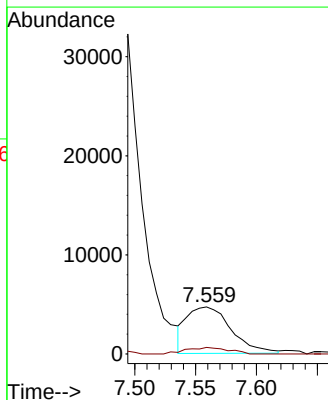
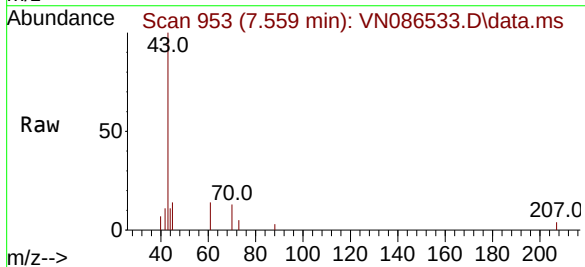
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

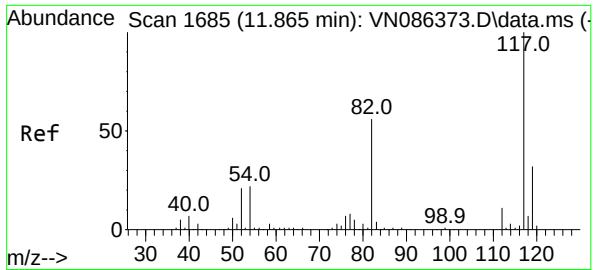
Tgt Ion: 43 Resp: 122390
Ion Ratio Lower Upper
43 100
57 8.7 6.6 10.0
72 29.4 22.2 33.4



#43
Ethyl Acetate
Concen: 3.367 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

Tgt Ion: 43 Resp: 11914
Ion Ratio Lower Upper
43 100
45 7.9 11.4 17.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086533.D

Acq: 07 May 2025 13:44

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(MAY)

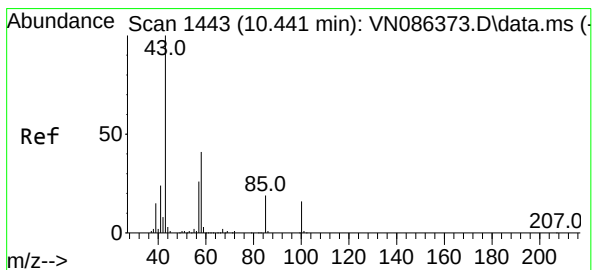
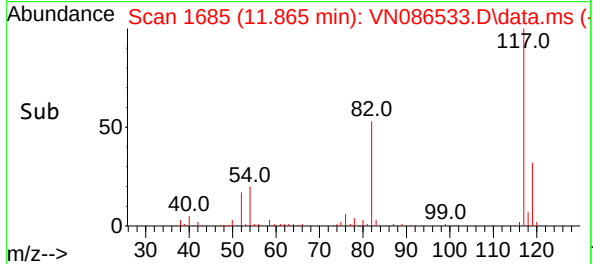
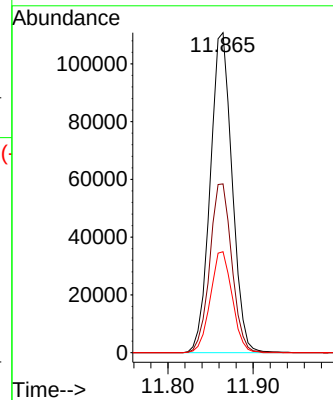
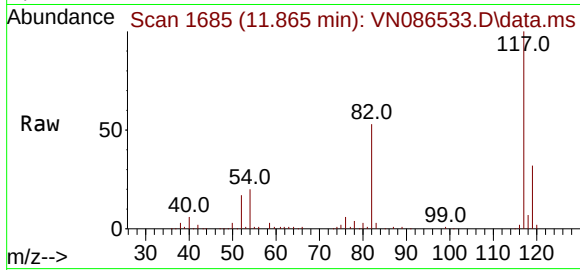
Tgt Ion:117 Resp: 197341

Ion Ratio Lower Upper

117 100

82 53.2 45.5 68.3

119 31.6 25.9 38.9



#58

4-Methyl-2-Pentanone

Concen: 6.173 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.000 min

Lab File: VN086533.D

Acq: 07 May 2025 13:44

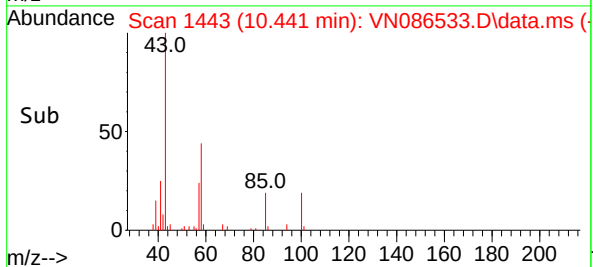
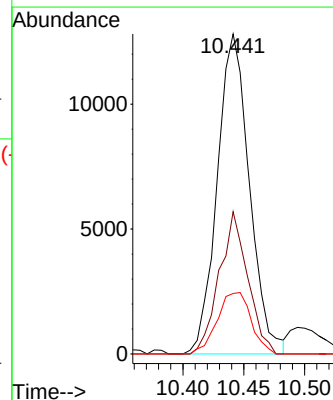
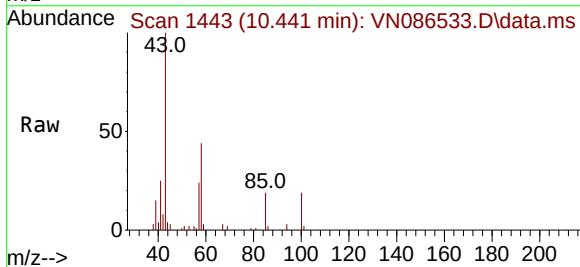
Tgt Ion: 43 Resp: 23574

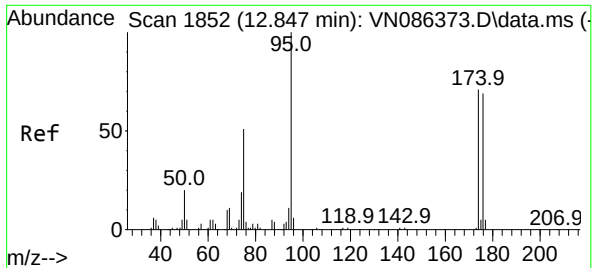
Ion Ratio Lower Upper

43 100

58 39.3 33.0 49.6

85 20.2 14.9 22.3

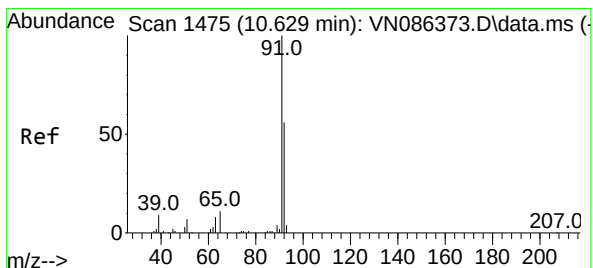
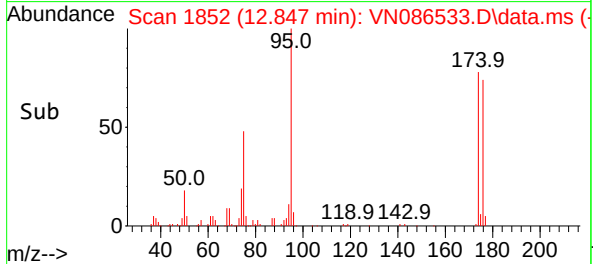
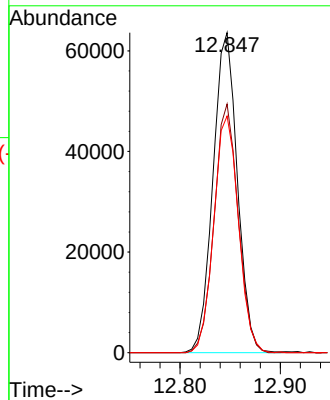
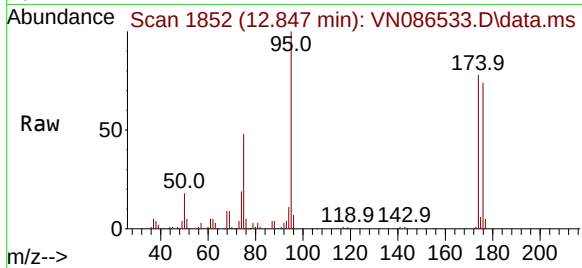




#60
4-Bromofluorobenzene
Concen: 27.684 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

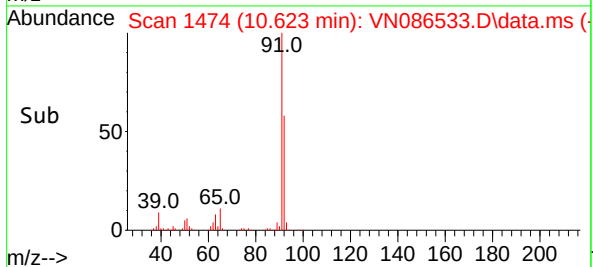
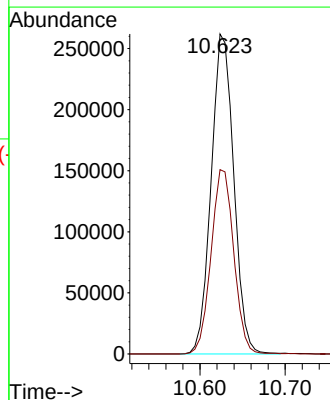
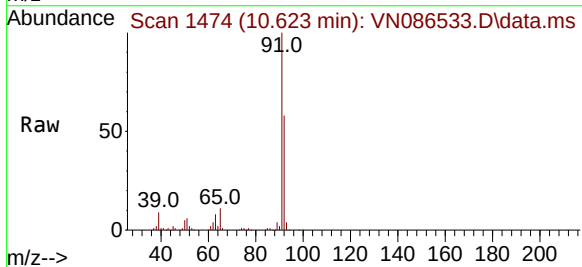
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

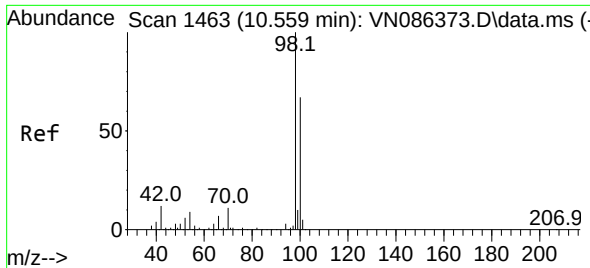
Tgt Ion: 95 Resp: 107374
Ion Ratio Lower Upper
95 100
174 76.5 56.6 84.8
176 74.9 53.3 79.9



#62
Toluene
Concen: 36.536 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

Tgt Ion: 91 Resp: 482611
Ion Ratio Lower Upper
91 100
92 57.9 45.7 68.5

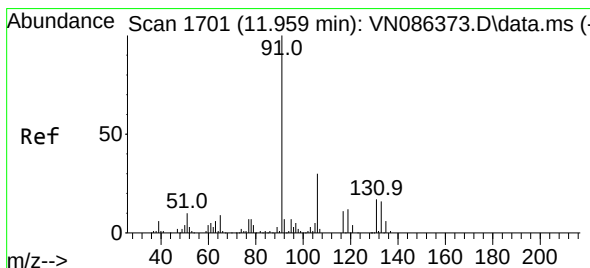
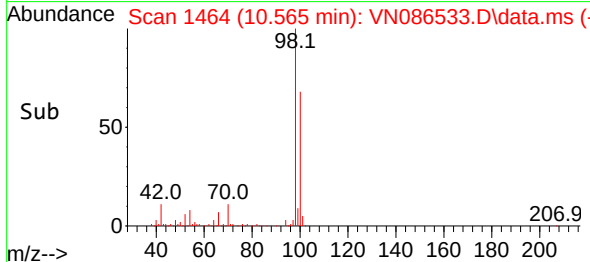
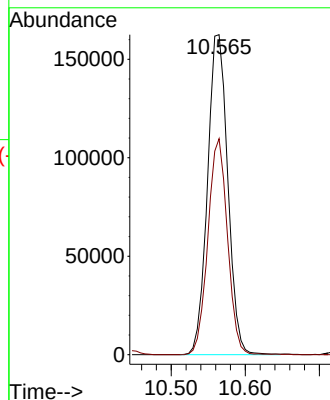
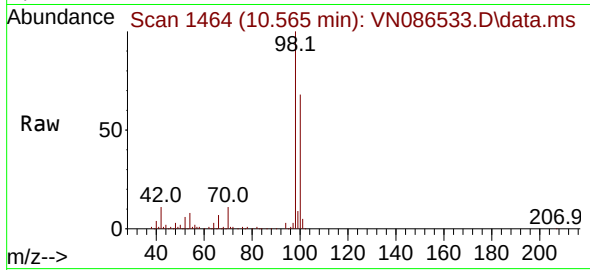




#63
Toluene-d8
Concen: 28.437 ug/l
RT: 10.565 min Scan# 1463
Delta R.T. 0.006 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

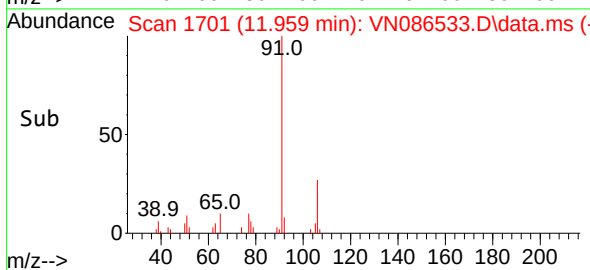
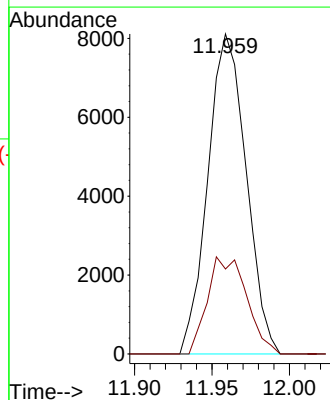
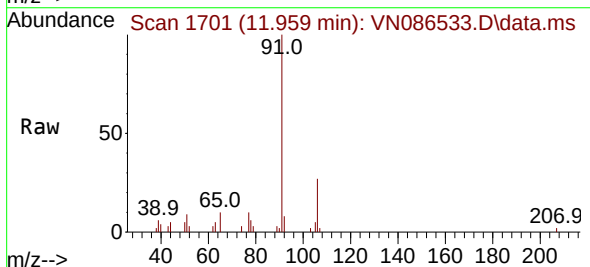
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

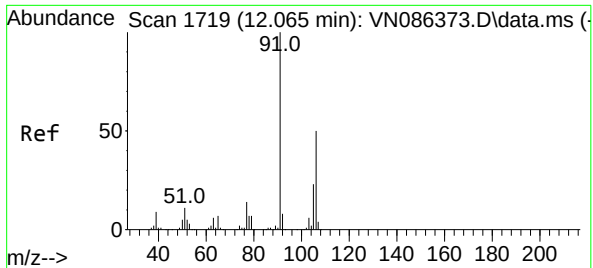
Tgt Ion: 98 Resp: 308732
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7



#66
Ethyl Benzene
Concen: 0.936 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

Tgt Ion: 91 Resp: 13924
Ion Ratio Lower Upper
91 100
106 26.6 24.3 36.5





#67

m/p-Xylenes

Concen: 4.261 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.000 min

Lab File: VN086533.D

Acq: 07 May 2025 13:44

Instrument :

MSVOA_N

ClientSampleId :

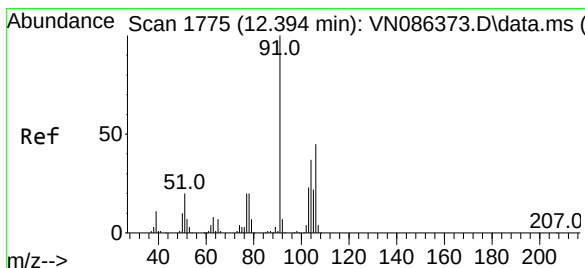
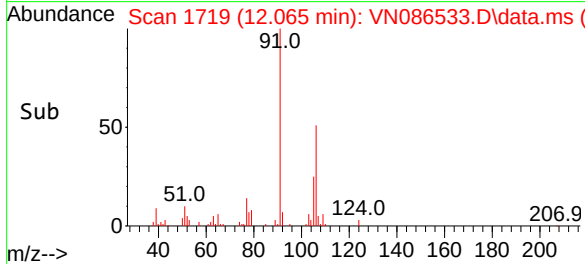
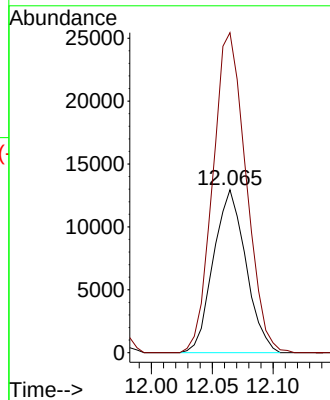
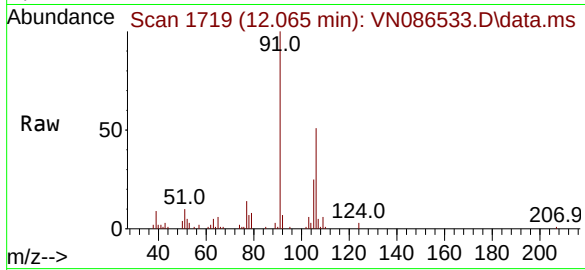
002-35TH-AVE(MAY)

Tgt Ion:106 Resp: 24037

Ion Ratio Lower Upper

106 100

91 200.6 162.6 243.8



#68

o-Xylene

Concen: 1.927 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN086533.D

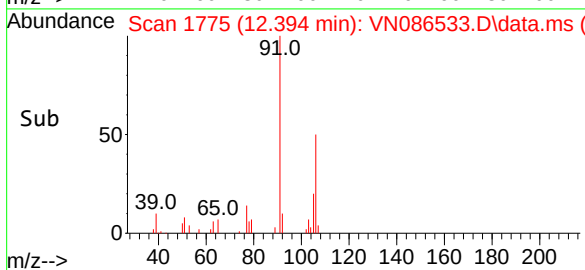
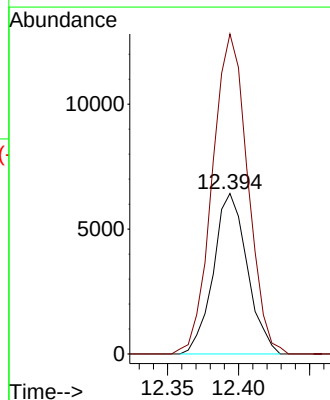
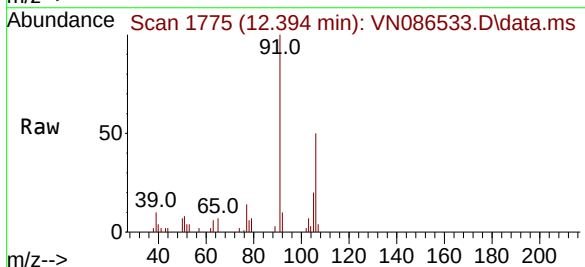
Acq: 07 May 2025 13:44

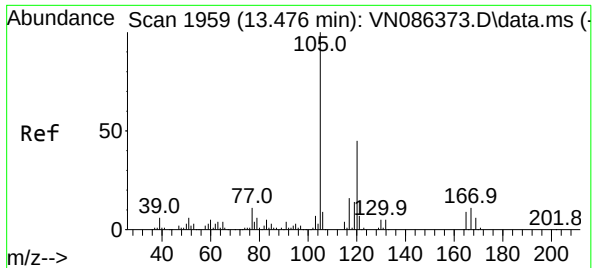
Tgt Ion:106 Resp: 10645

Ion Ratio Lower Upper

106 100

91 208.4 110.6 331.6

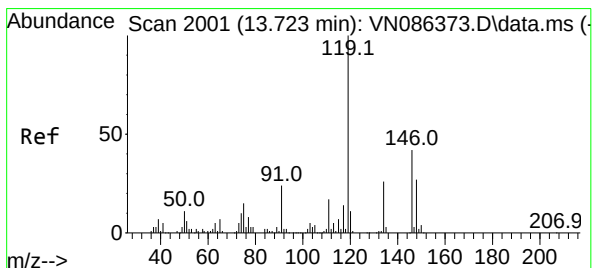
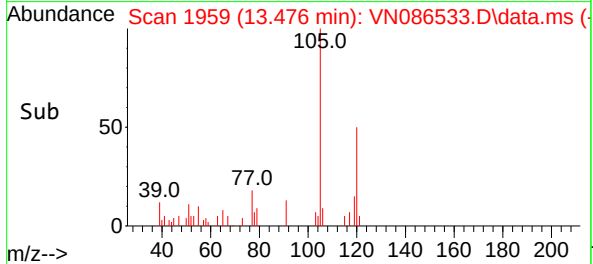
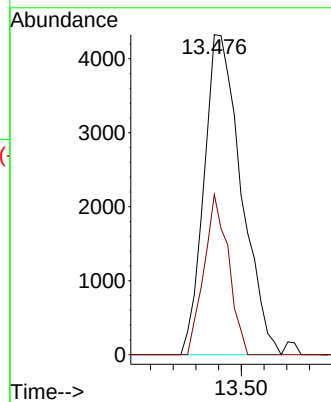
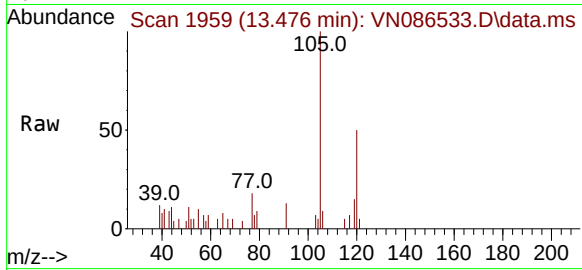




#80
1,2,4-Trimethylbenzene
Concen: 0.852 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

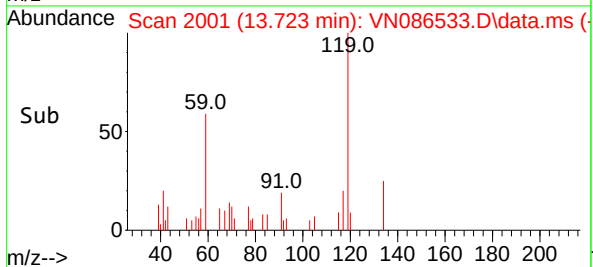
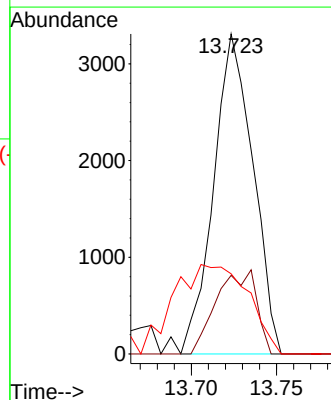
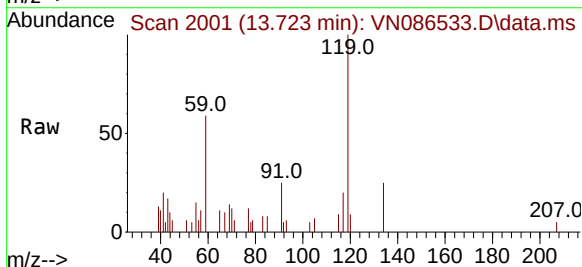
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

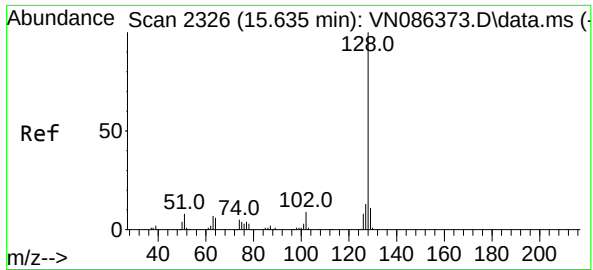
Tgt Ion:105 Resp: 9849
Ion Ratio Lower Upper
105 100
120 32.8 0.0 87.6



#82
p-Isopropyltoluene
Concen: 0.460 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

Tgt Ion:119 Resp: 5326
Ion Ratio Lower Upper
119 100
134 18.7 0.0 52.2
91 35.6 0.0 47.6





#91

Naphthalene

Concen: 0.426 ug/l

RT: 15.629 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086533.D

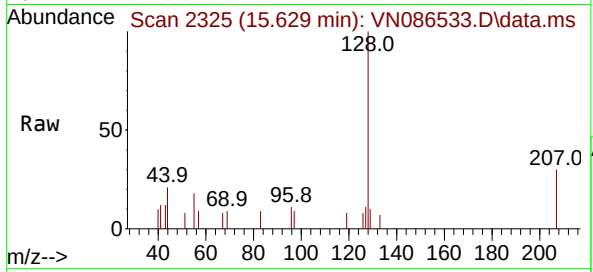
Acq: 07 May 2025 13:44

Instrument :

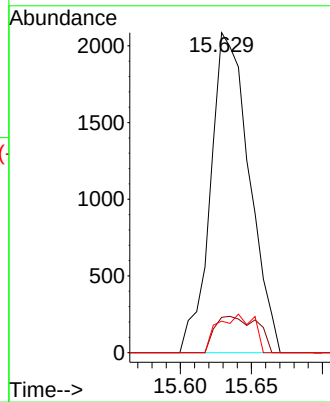
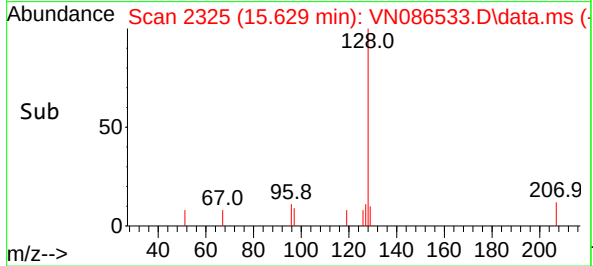
MSVOA_N

ClientSampleId :

002-35TH-AVE(MAY)



Tgt Ion:	128	Resp:	3965
Ion	Ratio	Lower	Upper
128	100		
127	9.0	10.6	15.8#
129	5.1	8.7	13.1#





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: TULL01
 Lab Code: CHEM Case No.: Q1949 SAS No.: Q1949 SDG No.: Q1949
 Instrument ID: MSVOA_N Calibration Date(s): 04/23/2025 04/23/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:22 13:17
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VN086372.D		RRF020 = VN086373.D		RRF150 = VN086378.D		
		RRF100 = VN086379.D		RRF050 = VN086380.D		RRF =		
COMPOUND	RRF005	RRF020	RRF150	RRF100	RRF050	RRF	RRF	% RSD
Benzene	1.686	1.635	1.701	1.748	1.641		1.682	2.8
Toluene	2.025	1.957	2.024	2.071	1.963		2.008	2.4
Ethyl Benzene	2.219	2.187	2.335	2.359	2.202		2.260	3.5
m/p-Xylenes	0.849	0.824	0.889	0.894	0.832		0.858	3.8
o-Xylene	0.825	0.804	0.878	0.876	0.816		0.840	4.1
1,2-Dichloroethane-d4	2.976	2.979	2.796	2.764	2.947		2.892	3.6
Toluene-d8	1.667	1.660	1.634	1.636	1.655		1.650	0.9
4-Bromofluorobenzene	0.564	0.577	0.621	0.601	0.585		0.590	3.7

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N042325W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Apr 24 04:42:24 2025
 Response Via : Initial Calibration

Calibration Files

5 =VN086372.D 20 =VN086373.D 50 =VN086380.D 100 =VN086379.D 150 =VN086378.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.917	2.126	2.171	2.167	1.975	2.071	5.68
3) M	Chloromethane	3.216	2.904	2.918	3.019	2.653	2.942	6.93
4) M	Vinyl Chloride	2.886	2.817	2.859	2.876	2.651	2.818	3.44
5) M	Bromomethane	1.616	1.501	1.464	1.430	1.345	1.471	6.75
6) M	Chloroethane	2.003	1.878	1.855	1.857	1.799	1.879	4.02
7) M	Trichlorofluorom...	3.412	3.403	3.279	3.348	3.188	3.326	2.81
8) T	Diethyl Ether	1.450	1.385	1.431	1.404	1.351	1.404	2.74
9)	1,1,2-Trichlorot...	2.047	2.048	2.067	2.076	1.986	2.045	1.72
10) M	1,1-Dichloroethene	2.187	2.095	2.078	2.096	2.008	2.093	3.04
11)	Methyl Iodide	2.367	2.424	2.474	2.513	2.465	2.449	2.26
12)	Methyl Acetate	2.724	3.004	3.062	2.996	3.045	2.966	4.65
13) M	Acrolein	0.278	0.128	0.120	0.118	0.108	0.150	47.78
14) M	Acrylonitrile	1.077	1.106	1.125	1.110	1.102	1.104	1.61
15) M	Acetone	0.322	0.279	0.314	0.308	0.299	0.304	5.45
16) M	Carbon Disulfide	6.254	5.604	5.547	5.281	4.888	5.515	9.08
17)	Allyl chloride	3.566	3.253	3.306	3.383	3.225	3.346	4.09
18) M	Methylene Chloride	2.496	2.378	2.359	2.375	2.310	2.383	2.87
19) M	trans-1,2-Dichlo...	2.358	2.200	2.184	2.227	2.184	2.231	3.29
20) T	Diisopropyl ether	7.877	7.820	7.946	8.163	7.978	7.957	1.64
21) M	1,1-Dichloroethane	4.480	4.324	4.318	4.368	4.288	4.355	1.73
22) M	cis-1,2-Dichloro...	2.887	2.738	2.736	2.819	2.766	2.789	2.30
23) M	tert-Butyl Alcohol	0.458	0.454	0.430	0.400	0.395	0.428	6.87
24) M	Methyl tert-Buty...	7.806	7.711	7.760	7.761	7.625	7.733	0.89
25) M	Chloroform	4.536	4.461	4.338	4.386	4.319	4.408	2.05
26)	Cyclohexane	4.076	3.777	3.814	3.828	3.734	3.846	3.48
27) s	1,2-Dichloroetha...	2.976	2.979	2.947	2.764	2.796	2.892	3.59
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.520	0.506	0.521	0.556	0.541	0.529	3.75
30) M	2-Butanone	0.249	0.247	0.257	0.267	0.263	0.257	3.31
31)	2,2-Dichloropropane	0.689	0.658	0.662	0.699	0.690	0.680	2.68
32) M	1,1,1-Trichloroe...	0.641	0.613	0.616	0.651	0.639	0.632	2.59
33) M	Carbon Tetrachlo...	0.511	0.508	0.510	0.541	0.530	0.520	2.86
34) M	Benzene	1.686	1.635	1.641	1.748	1.701	1.682	2.76
35)	Methacrylonitrile	0.271	0.299	0.290	0.303	0.301	0.293	4.50
36) M	1,2-Dichloroethane	0.546	0.533	0.530	0.567	0.555	0.546	2.82
37) M	Trichloroethene	0.410	0.397	0.417	0.440	0.441	0.421	4.55
38)	Methylcyclohexane	0.602	0.589	0.606	0.643	0.614	0.611	3.34
39) M	1,2-Dichloropropane	0.432	0.402	0.402	0.427	0.415	0.416	3.32
40)	Dibromomethane	0.279	0.272	0.269	0.285	0.284	0.278	2.47
41) M	Bromodichloromet...	0.580	0.571	0.579	0.612	0.599	0.588	2.85
42) M	Vinyl Acetate	0.925	0.879	0.895	0.905	0.843	0.889	3.47
43)	Ethyl Acetate	0.569	0.474	0.482	0.510	0.505	0.508	7.33
44)	Isopropyl Acetate	1.032	0.932	0.939	0.967	0.951	0.964	4.17
45) T	1,4-Dioxane	0.007	0.008	0.008	0.008	0.007	0.008	2.55
46)	Methyl methacrylate	0.441	0.431	0.439	0.458	0.455	0.445	2.59
47)	n-amyl Acetate	0.751	0.783	0.802	0.867	0.906	0.822	7.70
48) M	t-1,3-Dichloropr...	0.625	0.629	0.644	0.699	0.691	0.657	5.33
49) T	cis-1,3-Dichloro...	0.668	0.664	0.682	0.732	0.721	0.693	4.47
50) M	1,1,2-Trichloroe...	0.375	0.383	0.378	0.404	0.401	0.388	3.49
51)	Ethyl methacrylate	0.630	0.647	0.671	0.718	0.714	0.676	5.81
52)	1,3-Dichloropropane	0.671	0.667	0.674	0.714	0.705	0.686	3.19
53) M	Dibromochloromet...	0.415	0.419	0.430	0.458	0.457	0.436	4.66
54) M	1,2-Dibromoethane	0.384	0.384	0.387	0.411	0.407	0.395	3.37
55) M	2-Chloroethyl vi...	0.293	0.309	0.315	0.328	0.344	0.318	6.09
56) M	Bromoform	0.253	0.274	0.277	0.302	0.308	0.283	7.85

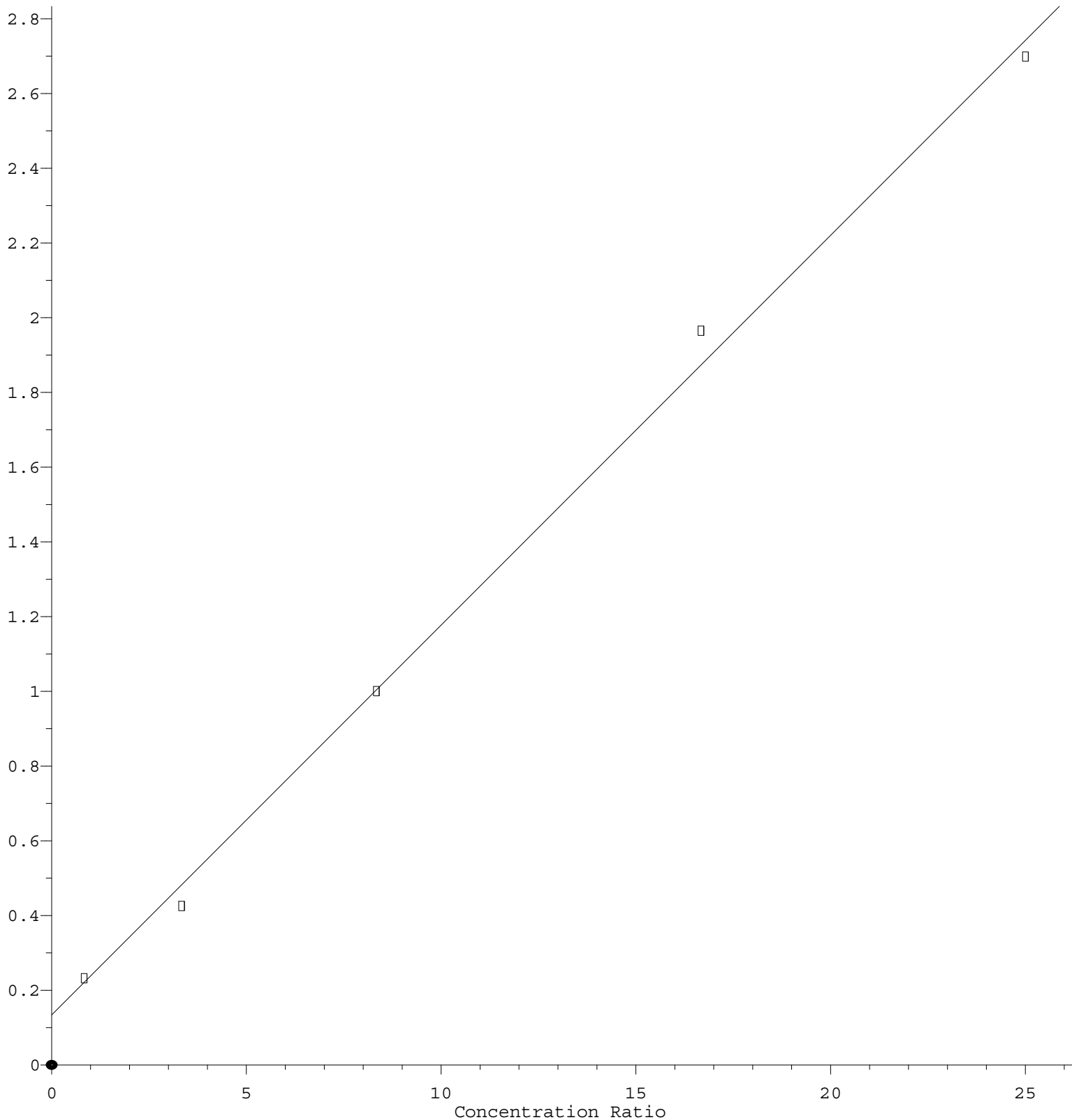
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N042325W.M

		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.578	0.568	0.573	0.587	0.596	0.581		1.94
59) M	2-Hexanone	0.425	0.419	0.420	0.434	0.441	0.428		2.20
60) S	4-Bromofluoroben...	0.564	0.577	0.585	0.601	0.621	0.590		3.74
61) M	Tetrachloroethene	0.475	0.432	0.441	0.468	0.471	0.458		4.26
62) M	Toluene	2.025	1.957	1.963	2.071	2.024	2.008		2.39
63) S	Toluene-d8	1.667	1.660	1.655	1.636	1.634	1.650		0.88
64) M	Chlorobenzene	1.261	1.216	1.220	1.291	1.268	1.251		2.58
65)	1,1,1,2-Tetrachl...	0.417	0.402	0.409	0.432	0.432	0.418		3.19
66) M	Ethyl Benzene	2.219	2.187	2.202	2.359	2.335	2.260		3.55
67) M	m/p-Xylenes	0.849	0.824	0.832	0.894	0.889	0.858		3.76
68) M	o-Xylene	0.825	0.804	0.816	0.876	0.878	0.840		4.13
69) M	Styrene	1.301	1.351	1.399	1.523	1.542	1.423		7.44
70)	Isopropylbenzene	1.997	2.021	2.049	2.205	2.208	2.096		4.89
71) M	1,1,2,2-Tetrachl...	0.562	0.566	0.539	0.553	0.541	0.552		2.20
72)	1,2,3-Trichlorop...	0.478	0.464	0.476	0.486	0.502	0.481		2.91
73)	Bromobenzene	0.463	0.465	0.472	0.500	0.509	0.482		4.34
74)	n-propylbenzene	2.307	2.363	2.466	2.648	2.671	2.491		6.60
75)	2-Chlorotoluene	1.510	1.494	1.521	1.610	1.639	1.555		4.20
76)	1,3,5-Trimethylb...	1.597	1.633	1.694	1.809	1.867	1.720		6.70
77)	t-1,4-Dichloro-2...	0.226	0.228	0.238	0.262	0.268	0.244		7.95
78)	4-Chlorotoluene	1.457	1.444	1.527	1.649	1.697	1.555		7.30
79)	tert-butylbenzene	1.418	1.405	1.444	1.533	1.565	1.473		4.86
80)	1,2,4-Trimethylb...	1.644	1.664	1.731	1.829	1.914	1.757		6.50
81)	sec-Butylbenzene	1.995	1.964	2.072	2.213	2.268	2.103		6.34
82)	p-Isopropyltoluene	1.579	1.610	1.749	1.884	1.976	1.759		9.74
83) M	1,3-Dichlorobenzene	0.837	0.834	0.912	0.961	1.011	0.911		8.47
84) M	1,4-Dichlorobenzene	0.841	0.825	0.891	0.951	0.991	0.900		7.86
85)	n-Butylbenzene	1.374	1.412	1.574	1.706	1.784	1.570		11.37
86) T	Hexachloroethane	0.260	0.263	0.281	0.310	0.325	0.288		9.97
87) M	1,2-Dichlorobenzene	0.830	0.800	0.860	0.906	0.938	0.867		6.46
88)	1,2-Dibromo-3-Ch...	0.110	0.102	0.113	0.116	0.120	0.112		5.99
89)	1,2,4-Trichlorob...	0.347	0.348	0.415	0.430	0.435	0.395		11.16
90)	Hexachlorobutadiene	0.160	0.142	0.165	0.168	0.161	0.159		6.33
91) M	Naphthalene	1.218	1.247	1.497	1.542	1.569	1.414		11.90
92)	1,2,3-Trichlorob...	0.347	0.348	0.415	0.430	0.435	0.395		11.16

(#) = Out of Range

Acrolein

Response Ratio



Response = 1.044e-001 * Amt + 1.337e-001
 Coef of Det (r^2) = 0.996125 Curve Fit: wlr(1/a)
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\624N042325W.M
 Calibration Table Last Updated: Thu Apr 24 04:42:24 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086372.D
 Acq On : 23 Apr 2025 09:22
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John
 Carlone

04/24/2025

Supervised By :Mahesh
 Dadoda

04/25/2025

Quant Time: Apr 24 04:20:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 03:57:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	29756	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	182016	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	162942	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	88562	30.870	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.900%			
60) 4-Bromofluorobenzene	12.847	95	91848	28.680	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.600%			
63) Toluene-d8	10.565	98	271554	30.293	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.967%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	9505	4.627	ug/l	94
3) Chloromethane	2.365	50	15950	5.466	ug/l	97
4) Vinyl Chloride	2.518	62	14315	5.122	ug/l	99
5) Bromomethane	2.959	94	8013	5.491	ug/l	98
6) Chloroethane	3.124	64	9935	5.332	ug/l #	84
7) Trichlorofluoromethane	3.500	101	16921	5.129	ug/l	94
8) Diethyl Ether	3.953	74	7189	5.162	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	10150	5.005	ug/l	77
10) 1,1-Dichloroethene	4.341	96	10844	5.224	ug/l	96
11) Methyl Iodide	4.589	142	11741	4.834	ug/l	99
12) Methyl Acetate	5.018	43	13511	4.592	ug/l	93
13) Acrolein	4.183	56	6900	28.215	ug/l	86
14) Acrylonitrile	5.712	53	26695	24.377	ug/l	98
15) Acetone	4.430	58	7975	26.429	ug/l	79
16) Carbon Disulfide	4.712	76	31017	5.670	ug/l	97
17) Allyl chloride	5.018	41	17686m	5.328	ug/l	
18) Methylene Chloride	5.283	84	12377m	5.236	ug/l	
19) trans-1,2-Dichloroethene	5.788	96	11694m	5.285	ug/l	
20) Diisopropyl ether	6.671	45	39066	4.950	ug/l	94
21) 1,1-Dichloroethane	6.559	63	22218	5.143	ug/l	96
22) cis-1,2-Dichloroethene	7.482	96	14319	5.176	ug/l	96
23) tert-Butyl Alcohol	5.518	59	11367m	26.795	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	38714	5.048	ug/l	96
25) Chloroform	7.959	83	22497	5.145	ug/l	99
26) Cyclohexane	8.253	56	20215	5.300	ug/l #	95
29) 1,1-Dichloropropene	8.365	75	15773	4.916	ug/l	87
30) 2-Butanone	7.477	43	37820	24.283	ug/l #	95
31) 2,2-Dichloropropane	7.488	77	20892	5.065	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	19441	5.070	ug/l	99
33) Carbon Tetrachloride	8.359	117	15492	4.908	ug/l	92
34) Benzene	8.600	78	51159	5.013	ug/l #	88
35) Methacrylonitrile	7.777	41	8219	4.626	ug/l	91
36) 1,2-Dichloroethane	8.665	62	16569	5.000	ug/l	100
37) Trichloroethene	9.353	130	12434	4.867	ug/l	87
38) Methylcyclohexane	9.594	83	18253	4.925	ug/l	97
39) 1,2-Dichloropropane	9.618	63	13105	5.198	ug/l	96
40) Dibromomethane	9.706	93	8472	5.025	ug/l	94
41) Bromodichloromethane	9.882	83	17604	4.934	ug/l	97
42) Vinyl Acetate	6.600	43	140295	26.004	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086372.D
 Acq On : 23 Apr 2025 09:22
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

04/24/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Apr 24 04:20:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 03:57:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	17261	5.600	ug/l	97
44) Isopropyl Acetate	8.682	43	31305	5.352	ug/l	95
45) 1,4-Dioxane	9.694	88	4393	96.252	ug/l #	91
46) Methyl methacrylate	9.676	41	13386	4.961	ug/l	93
47) n-amyl Acetate	12.488	43	22791	4.571	ug/l	98
48) t-1,3-Dichloropropene	10.829	75	18958	4.752	ug/l	90
49) cis-1,3-Dichloropropene	10.312	75	20273	4.819	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	11391	4.837	ug/l	91
51) Ethyl methacrylate	10.871	69	19126	4.663	ug/l	99
52) 1,3-Dichloropropane	11.159	76	20341	4.887	ug/l	98
53) Dibromochloromethane	11.359	129	12596	4.763	ug/l	99
54) 1,2-Dibromoethane	11.465	107	11656	4.868	ug/l	100
55) 2-Chloroethyl vinyl ether	10.153	63	44387	23.017	ug/l	99
56) Bromoform	12.576	173	7673	4.471	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	78517	24.901	ug/l	99
59) 2-Hexanone	11.188	43	57648	24.809	ug/l	98
61) Tetrachloroethene	11.100	164	12905	5.193	ug/l	95
62) Toluene	10.623	91	54989	5.042	ug/l	97
64) Chlorobenzene	11.888	112	34249	5.040	ug/l	93
65) 1,1,1,2-Tetrachloroethane	11.959	131	11318	4.981	ug/l	98
66) Ethyl Benzene	11.959	91	60268	4.909	ug/l	100
67) m/p-Xylenes	12.065	106	46132	9.904	ug/l	100
68) o-Xylene	12.394	106	22418	4.915	ug/l	96
69) Styrene	12.406	104	35329	4.570	ug/l	98
70) Isopropylbenzene	12.694	105	54240	4.764	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	15250	5.087	ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	12969m	4.993	ug/l	
73) Bromobenzene	12.976	156	12582	4.807	ug/l	97
74) n-propylbenzene	13.029	91	62642	4.630	ug/l	99
75) 2-Chlorotoluene	13.117	91	41015	4.856	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	43366	4.642	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	6133	4.624	ug/l	95
78) 4-Chlorotoluene	13.217	91	39565	4.685	ug/l	100
79) tert-butylbenzene	13.435	119	38515	4.814	ug/l	97
80) 1,2,4-Trimethylbenzene	13.476	105	44636	4.679	ug/l	100
81) sec-Butylbenzene	13.611	105	54186	4.745	ug/l	100
82) p-Isopropyltoluene	13.723	119	42872	4.486	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	22737	4.595	ug/l	98
84) 1,4-Dichlorobenzene	13.811	146	22845	4.673	ug/l	98
85) n-Butylbenzene	14.053	91	37323	4.377	ug/l	99
86) Hexachloroethane	14.323	117	7050	4.512	ug/l	95
87) 1,2-Dichlorobenzene	14.106	146	22541	4.788	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.711	75	2991	4.909	ug/l #	89
89) 1,2,4-Trichlorobenzene	15.829	180	9424	4.392	ug/l	98
90) Hexachlorobutadiene	15.500	225	4341	5.023	ug/l	96
91) Naphthalene	15.635	128	33080	4.306	ug/l	97
92) 1,2,3-Trichlorobenzene	15.829	180	9424	4.392	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086372.D
Acq On : 23 Apr 2025 09:22
Operator : JC\MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

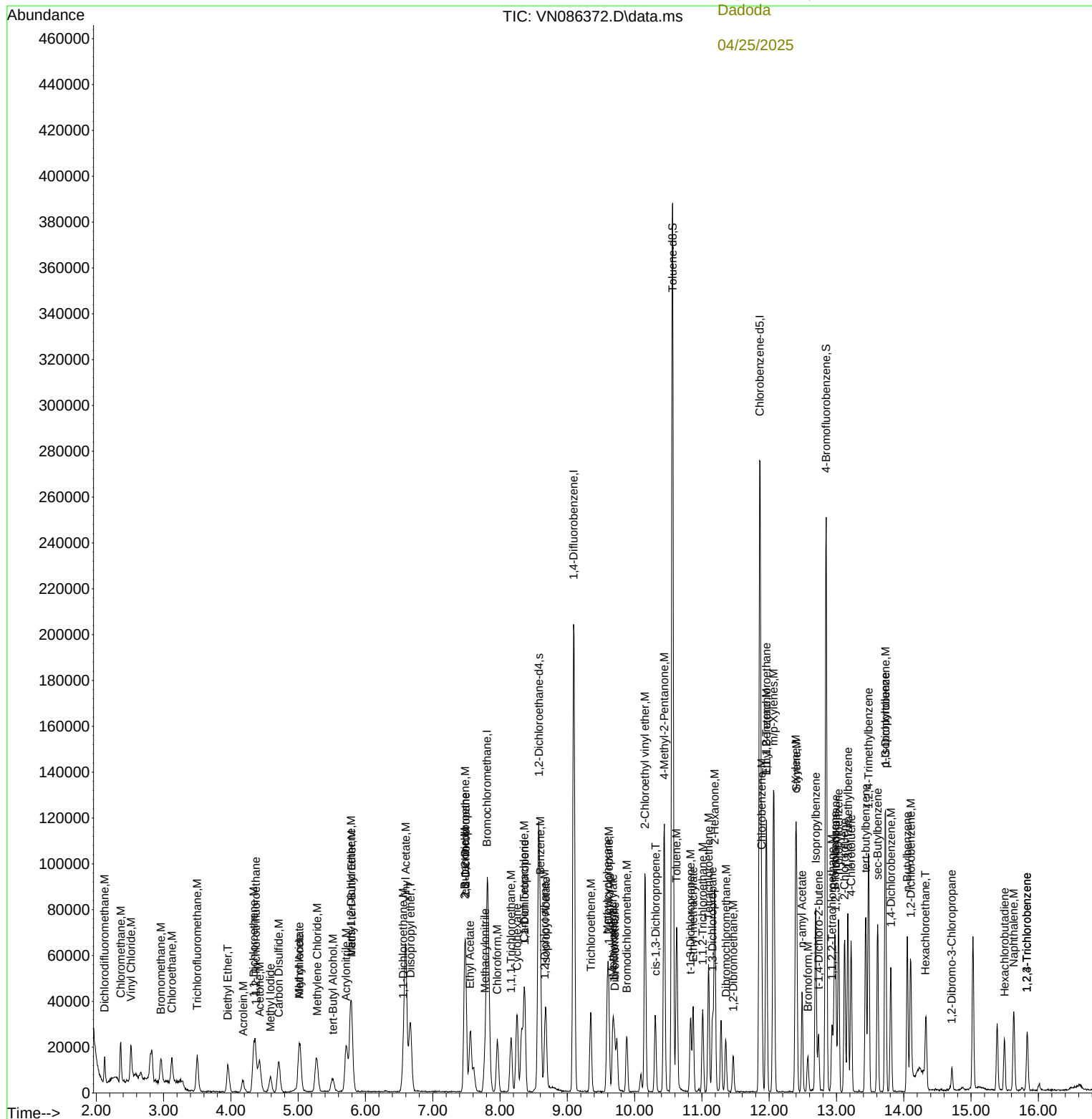
Manual Integrations APPROVED

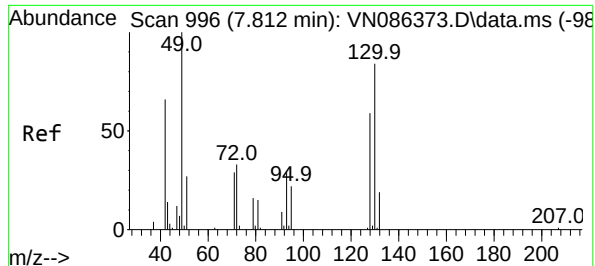
Reviewed By :John
Carlone

04/24/2025
Supervised By :Mahesh
Dadoda

04/25/2025

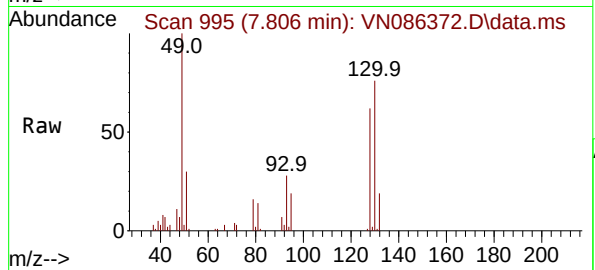
Quant Time: Apr 24 04:20:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



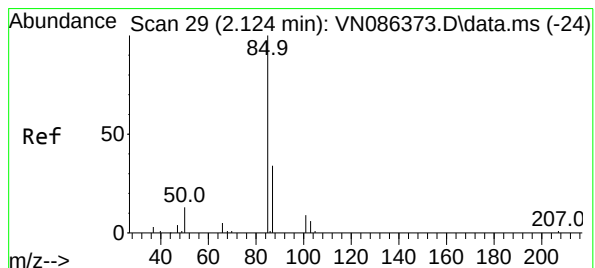
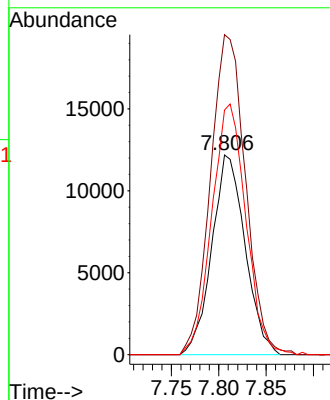
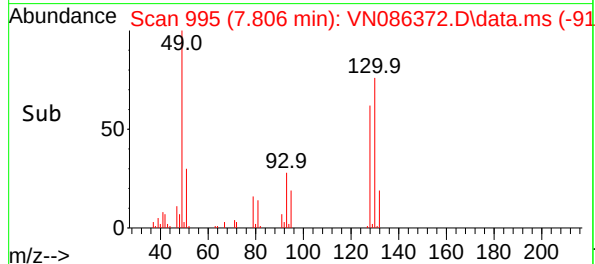
Tgt Ion:128 Resp: 29750
Ion Ratio Lower Upper
128 100
49 168.0 0.0 433.8
130 128.5 0.0 325.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone

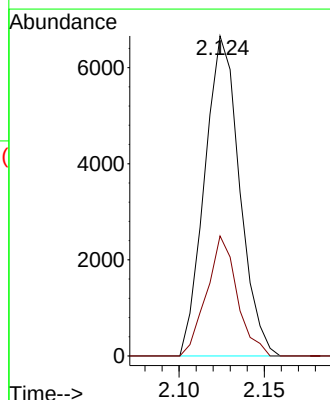
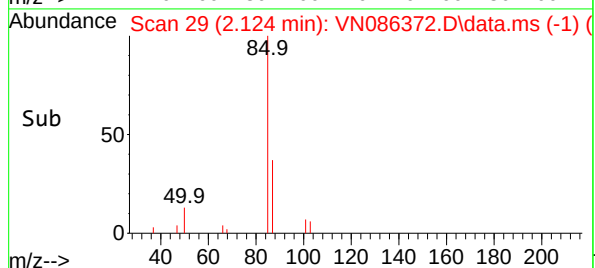
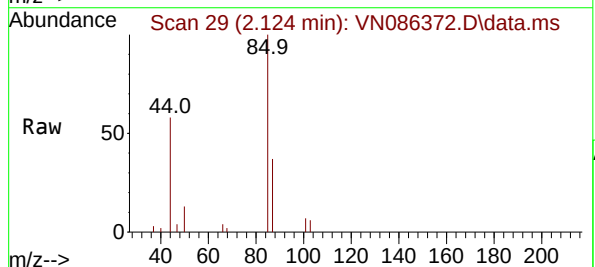
04/24/2025
Supervised By :Mahesh
Dadoda

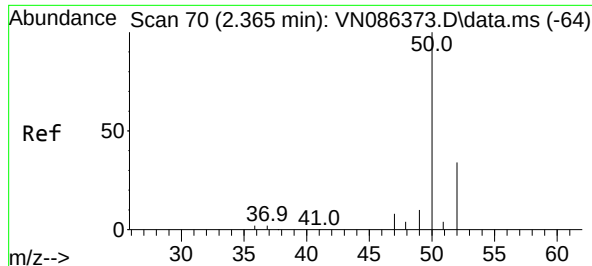
04/25/2025



#2
Dichlorodifluoromethane
Concen: 4.627 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

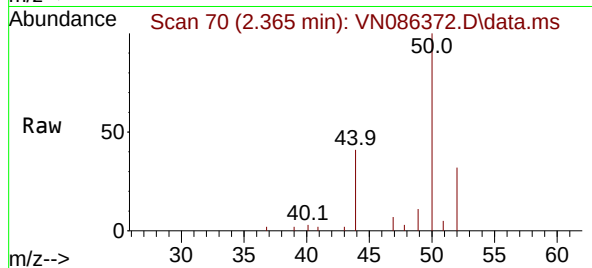
Tgt Ion: 85 Resp: 9505
Ion Ratio Lower Upper
85 100
87 37.5 17.0 50.9





#3
Chloromethane
Concen: 5.466 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



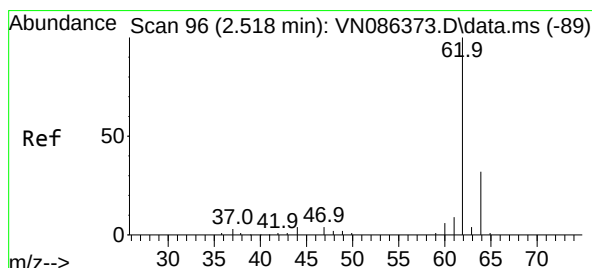
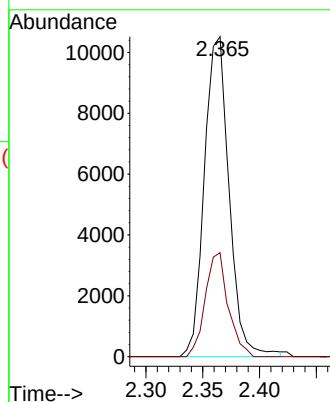
Tgt Ion: 50 Resp: 15950
Ion Ratio Lower Upper
50 100
52 32.5 27.3 40.9

Manual Integrations
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Reviewed By :John
Carlone

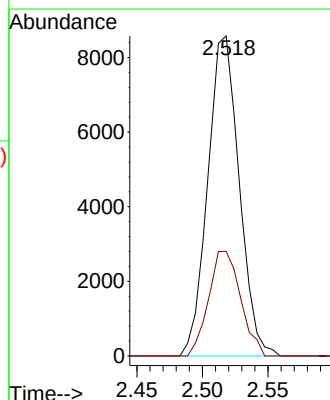
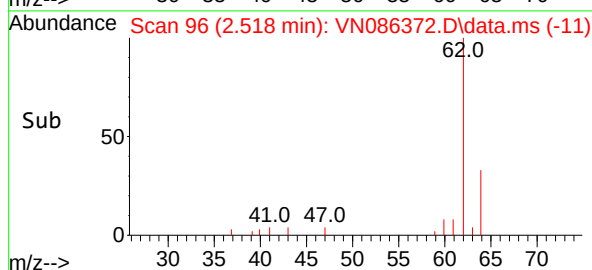
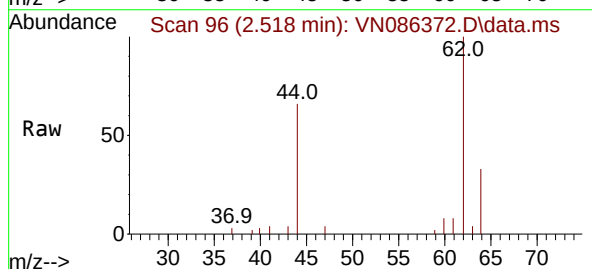
04/24/2025
Supervised By :Mahesh
Dadoda

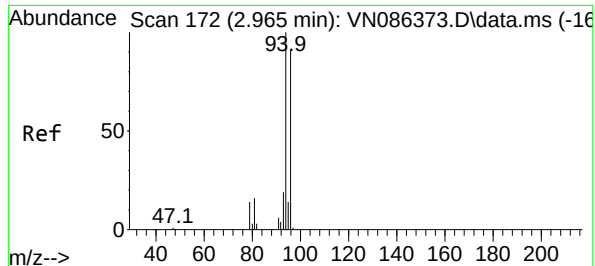
04/25/2025



#4
Vinyl Chloride
Concen: 5.122 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Tgt Ion: 62 Resp: 14315
Ion Ratio Lower Upper
62 100
64 32.7 25.8 38.8





#5

Bromomethane

Concen: 5.491 ug/l

RT: 2.959 min Scan# 172

Delta R.T. -0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 801

Ion Ratio Lower Upper

94 100

96 89.0 72.4 108.6

Manual Integrations

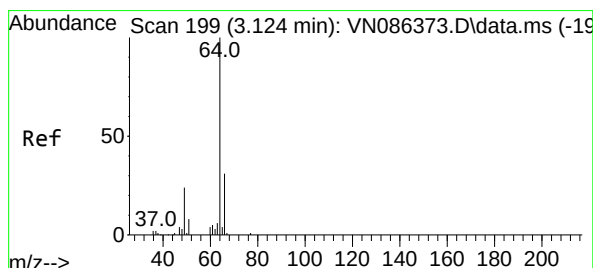
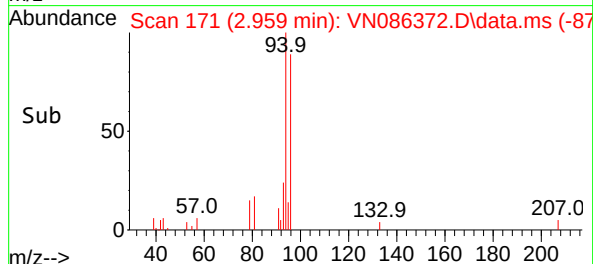
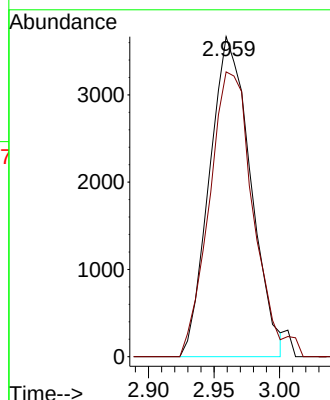
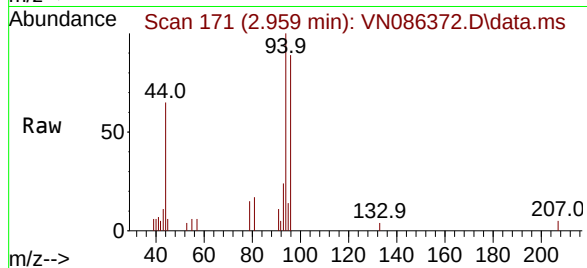
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#6

Chloroethane

Concen: 5.332 ug/l

RT: 3.124 min Scan# 199

Delta R.T. -0.000 min

Lab File: VN086372.D

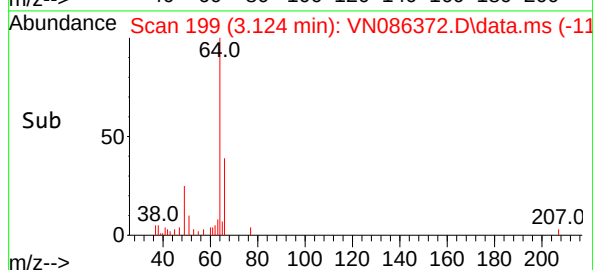
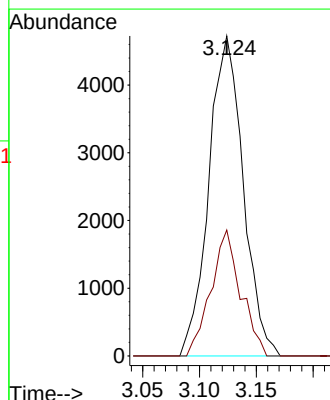
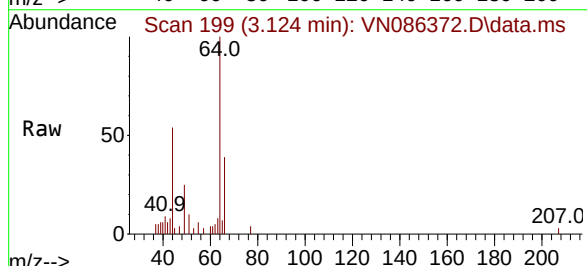
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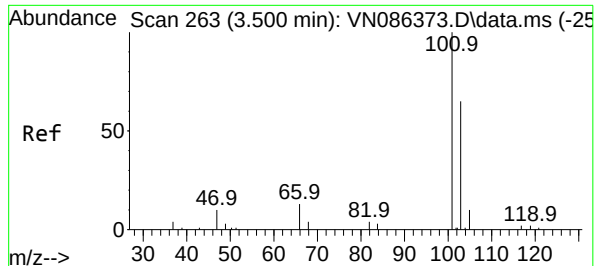
Tgt Ion: 64 Resp: 9935

Ion Ratio Lower Upper

64 100

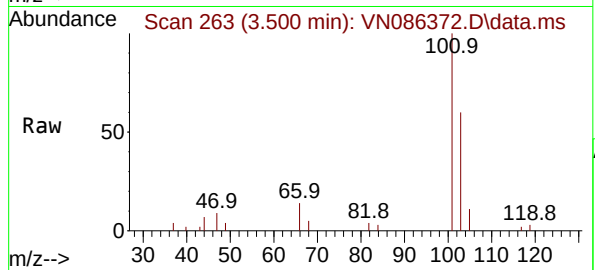
66 39.4 24.5 36.7#





#7
Trichlorofluoromethane
Concen: 5.129 ug/l
RT: 3.500 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



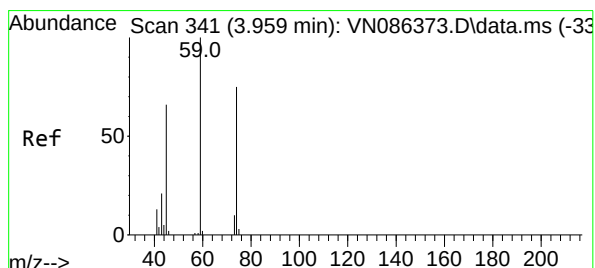
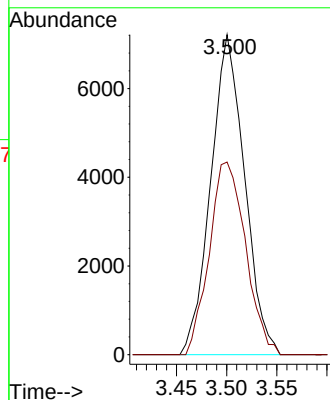
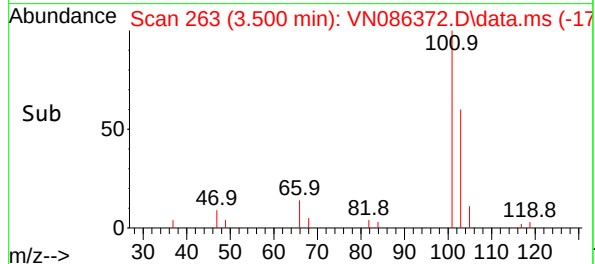
Tgt Ion:101 Resp: 1692
Ion Ratio Lower Upper
101 100
103 60.2 51.8 77.6

Manual Integrations
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Reviewed By :John
Carlone

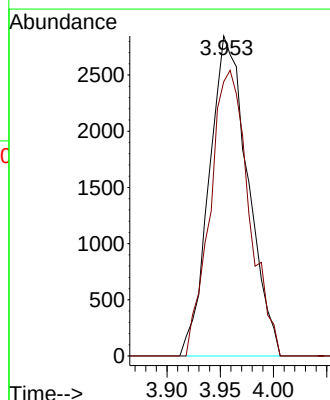
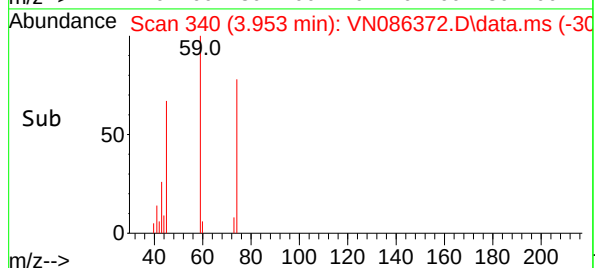
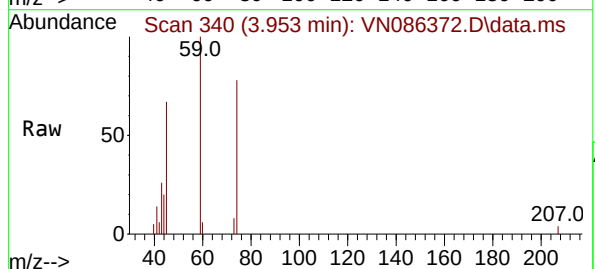
04/24/2025
Supervised By :Mahesh
Dadoda

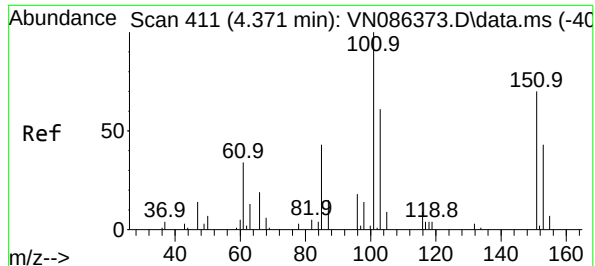
04/25/2025



#8
Diethyl Ether
Concen: 5.162 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Tgt Ion: 74 Resp: 7189
Ion Ratio Lower Upper
74 100
45 89.6 18.5 166.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.005 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

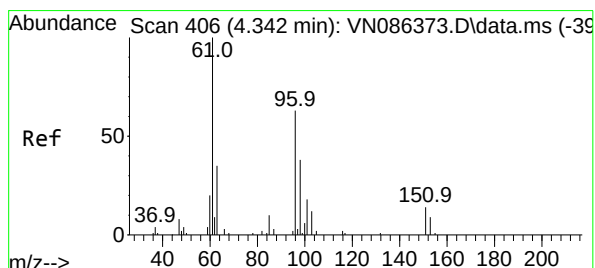
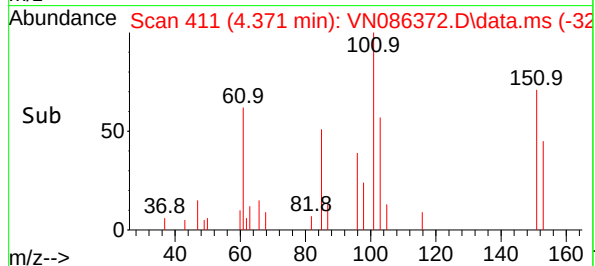
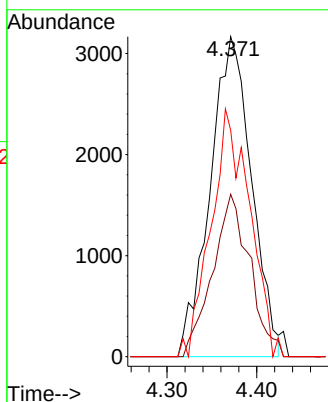
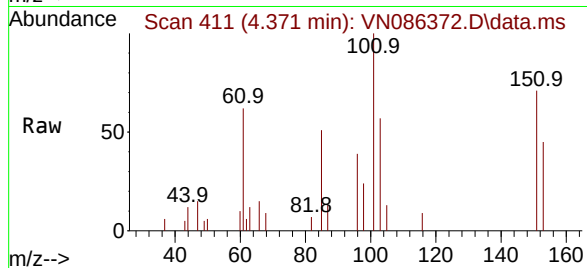
Tgt Ion: 101 Resp: 10150
Ion Ratio Lower Upper
101 100
85 45.6 0.0 84.4
151 45.4 0.0 145.8

Manual Integrations
APPROVED

Reviewed By : John
Carlone

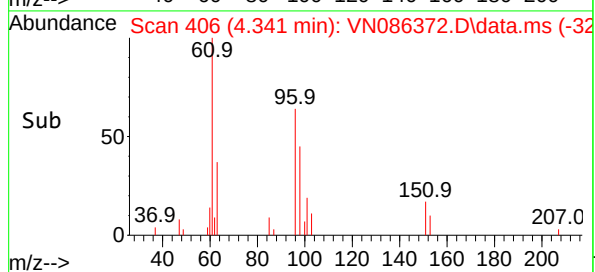
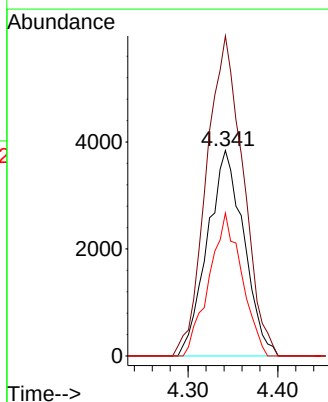
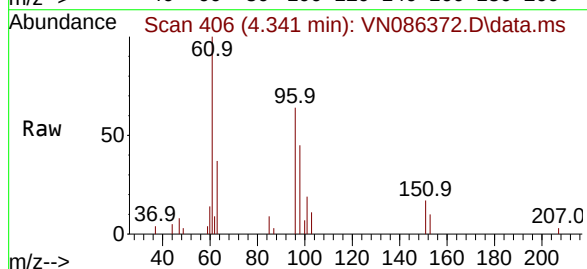
04/24/2025
Supervised By : Mahesh
Dadoda

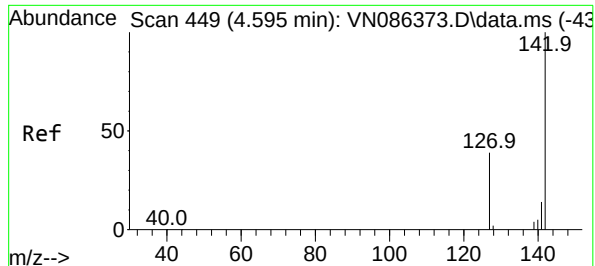
04/25/2025



#10
1,1-Dichloroethene
Concen: 5.224 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Tgt Ion: 96 Resp: 10844
Ion Ratio Lower Upper
96 100
61 155.7 126.2 189.4
98 69.5 48.5 72.7





#11

Methyl Iodide

Concen: 4.834 ug/l

RT: 4.589 min Scan# 449

Delta R.T. -0.006 min

Lab File: VN086372.D

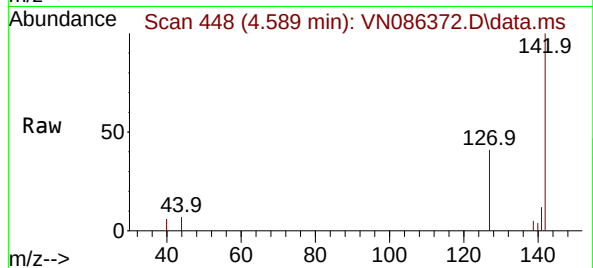
Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



Tgt Ion:142 Resp: 1174

Ion Ratio Lower Upper

142 100

127 38.8 19.3 57.9

141 12.2 7.1 21.3

Manual Integrations

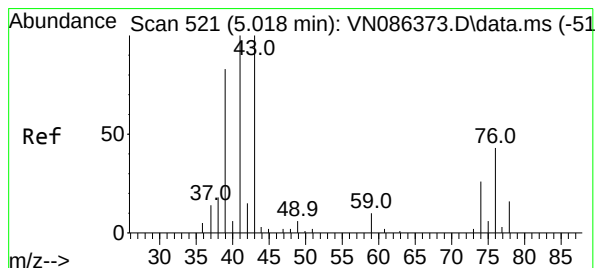
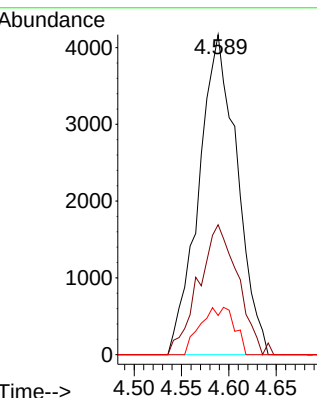
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#12

Methyl Acetate

Concen: 4.592 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.000 min

Lab File: VN086372.D

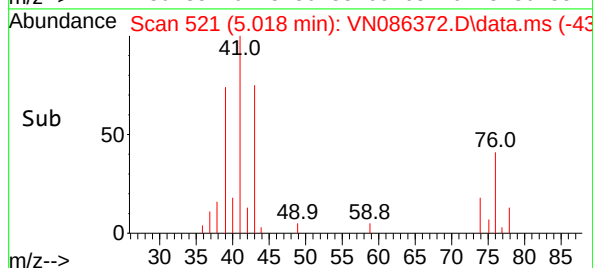
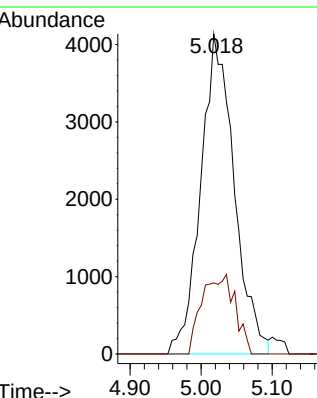
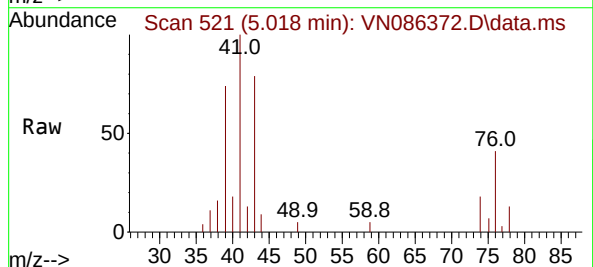
Acq: 23 Apr 2025 09:22

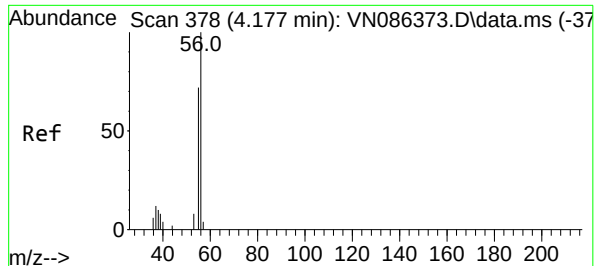
Tgt Ion: 43 Resp: 13511

Ion Ratio Lower Upper

43 100

74 22.7 20.8 31.2





#13

Acrolein

Concen: 28.215 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Tgt Ion: 56 Resp: 6900

Ion Ratio Lower Upper

56 100

55 58.7 56.1 84.1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

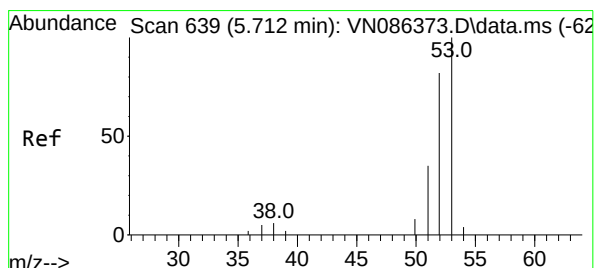
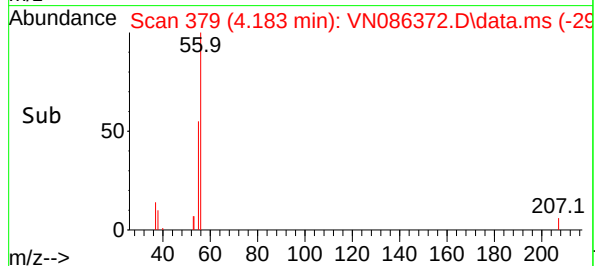
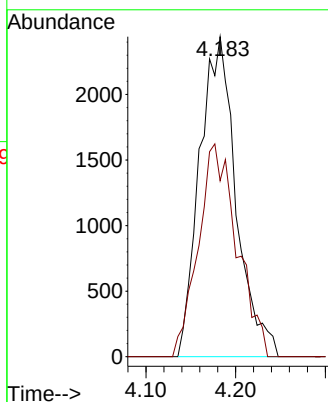
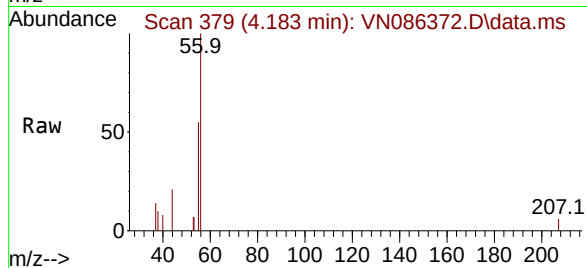
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#14

Acrylonitrile

Concen: 24.377 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

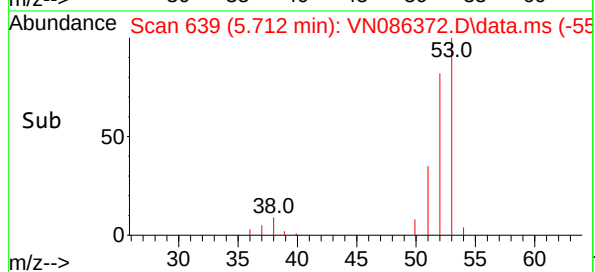
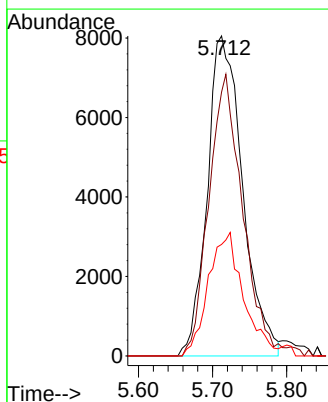
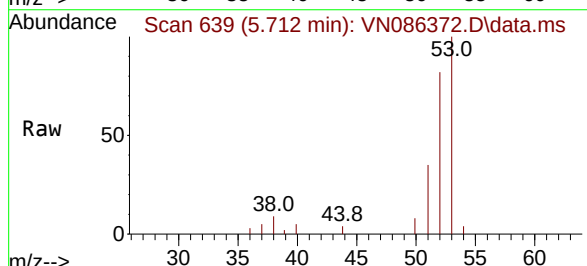
Tgt Ion: 53 Resp: 26695

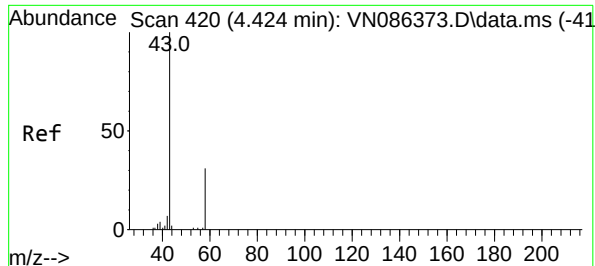
Ion Ratio Lower Upper

53 100

52 83.0 41.2 123.6

51 38.3 17.6 52.8





#15

Acetone

Concen: 26.429 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Tgt Ion: 58 Resp: 797

Ion Ratio Lower Upper

58 100

43 275.9 255.1 382.7

Manual Integrations

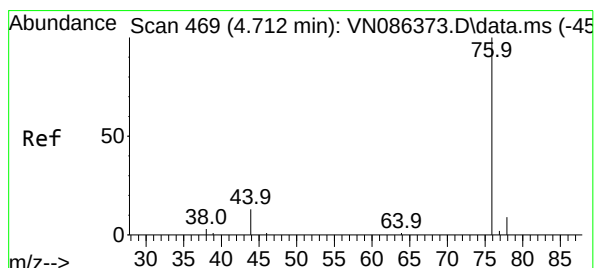
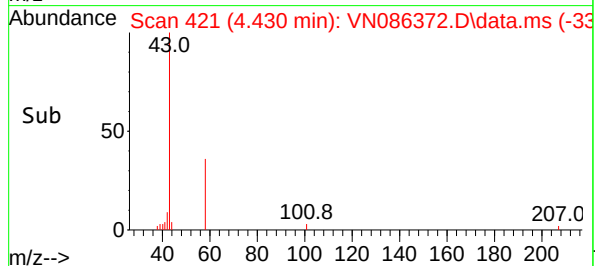
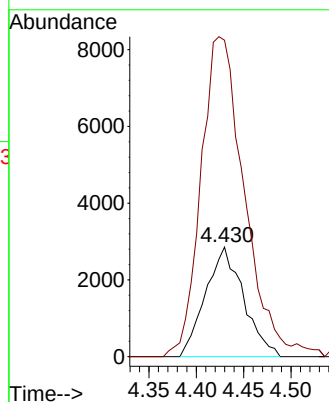
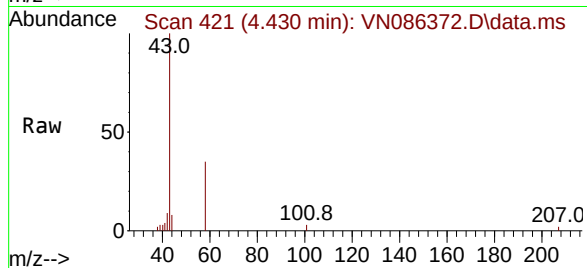
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#16

Carbon Disulfide

Concen: 5.670 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN086372.D

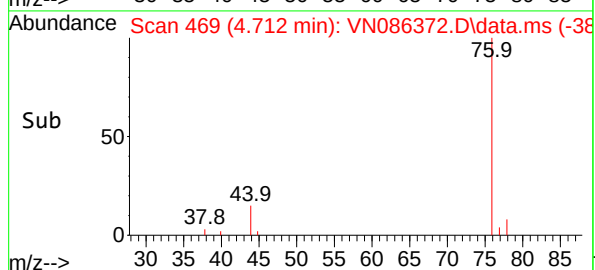
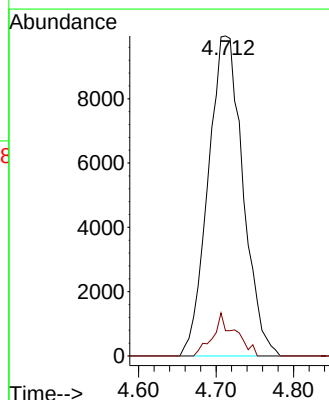
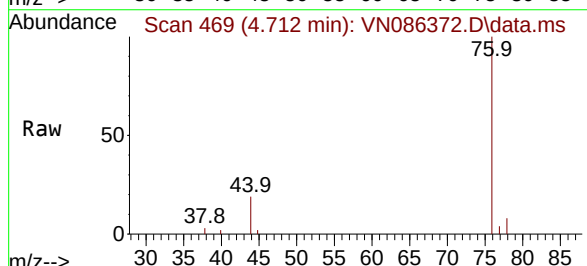
Acq: 23 Apr 2025 09:22

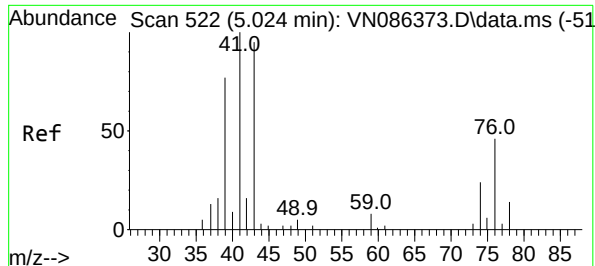
Tgt Ion: 76 Resp: 31017

Ion Ratio Lower Upper

76 100

78 7.9 7.1 10.7





#17

Allyl chloride

Concen: 5.328 ug/l m

RT: 5.018 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Tgt Ion: 41 Resp: 1768

Ion Ratio Lower Upper

41

100

39

76

73.7

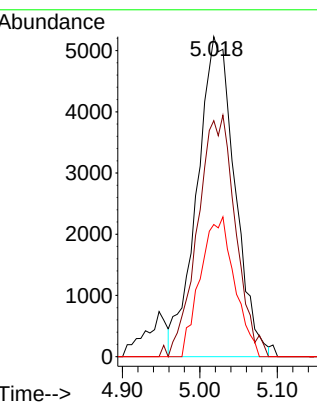
41.3

36.7

21.8

110.1

65.4



Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Manual Integrations

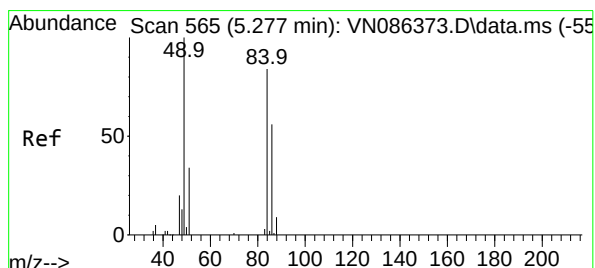
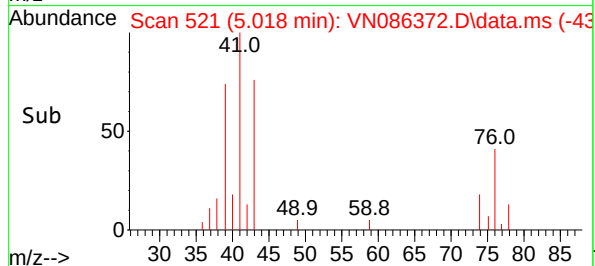
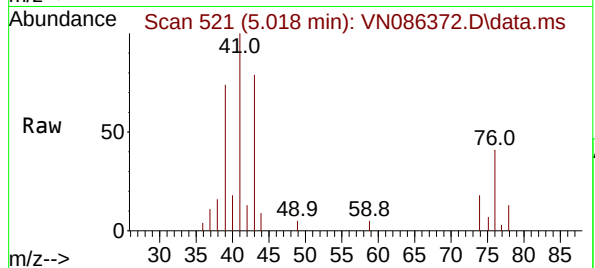
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#18

Methylene Chloride

Concen: 5.236 ug/l m

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Tgt Ion: 84 Resp: 12377

Ion Ratio Lower Upper

84

100

49

51

86

109.0

31.8

59.1

95.4

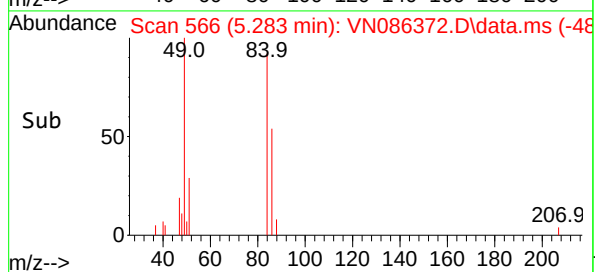
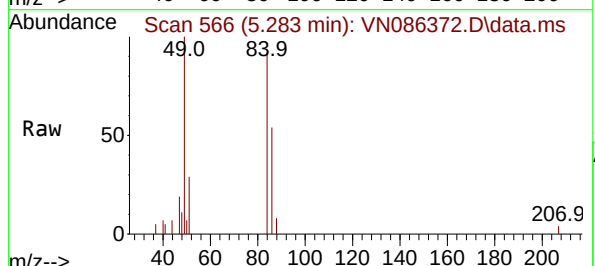
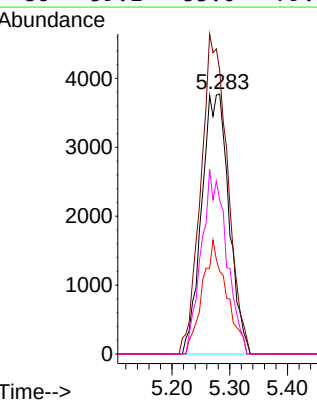
32.8

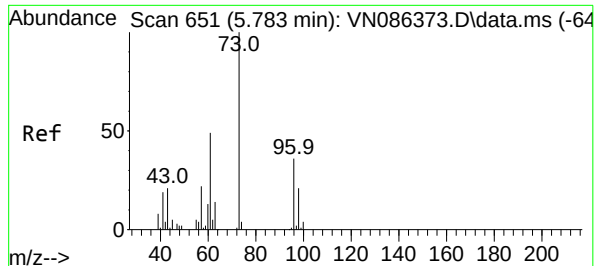
53.0

143.0

49.2#

79.4





#19

trans-1,2-Dichloroethene

Concen: 5.285 ug/l m

RT: 5.788 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 11694

Ion Ratio Lower Upper

96 100

61 126.3 107.3 160.9

98 62.1 46.7 70.1

Manual Integrations

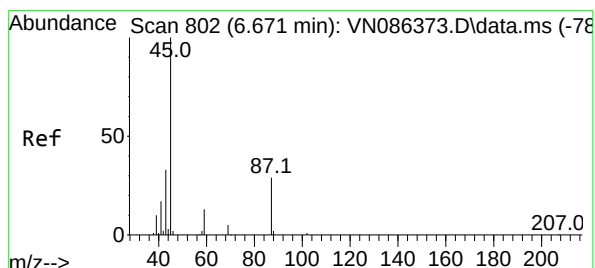
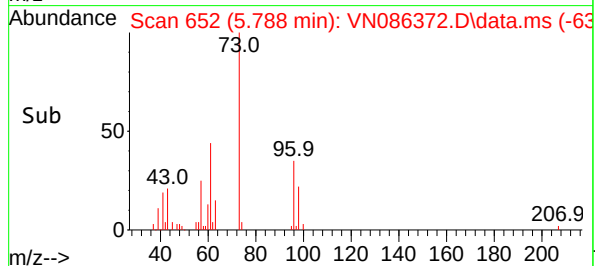
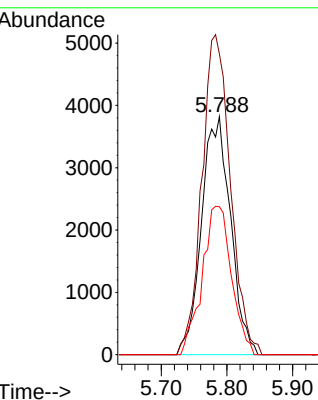
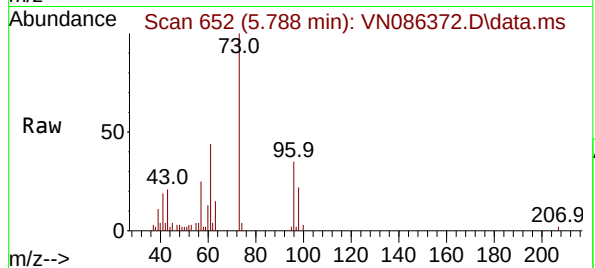
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#20

Diisopropyl ether

Concen: 4.950 ug/l

RT: 6.671 min Scan# 802

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Tgt Ion: 45 Resp: 39066

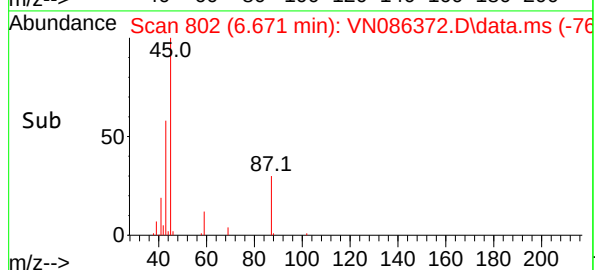
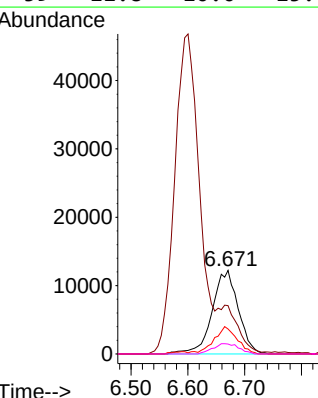
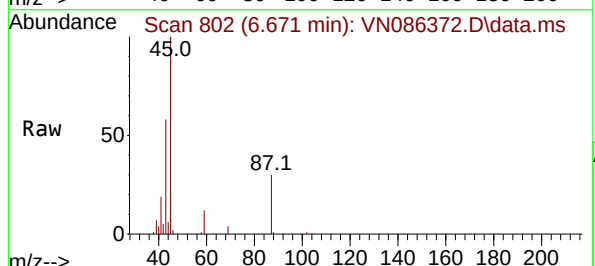
Ion Ratio Lower Upper

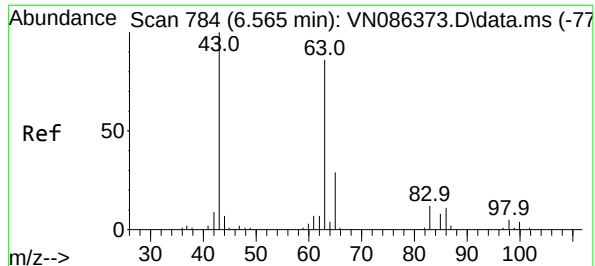
45 100

43 55.5 38.8 58.2

87 29.8 23.5 35.3

59 11.8 10.0 15.0





#21

1,1-Dichloroethane

Concen: 5.143 ug/l

RT: 6.559 min Scan# 7

Delta R.T. -0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 22218

Ion Ratio Lower Upper

63 100

98 4.7 3.0 9.2

100 3.2 2.3 6.8

Manual Integrations

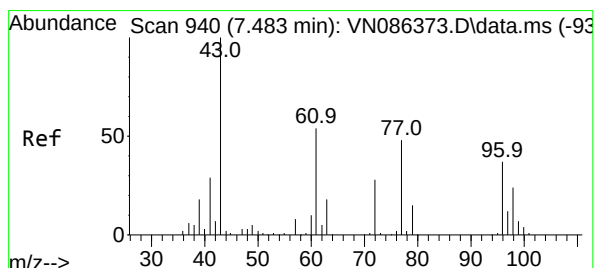
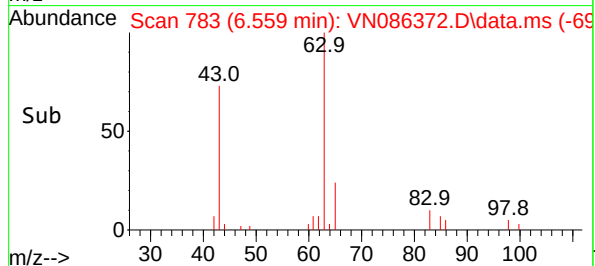
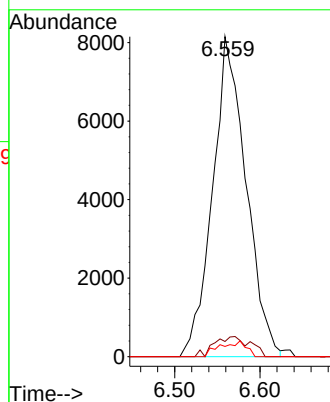
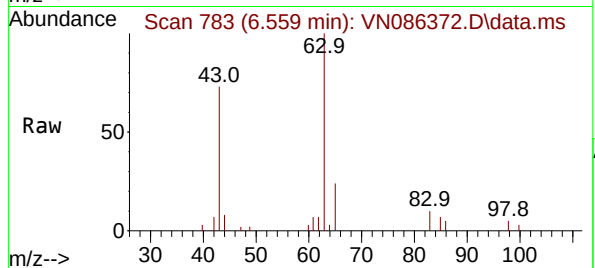
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#22

cis-1,2-Dichloroethene

Concen: 5.176 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

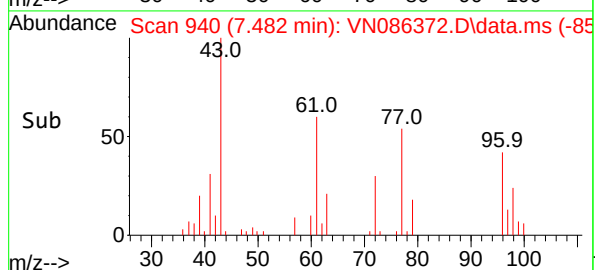
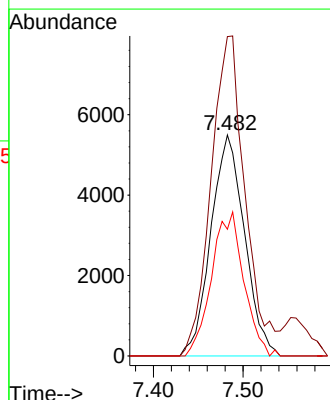
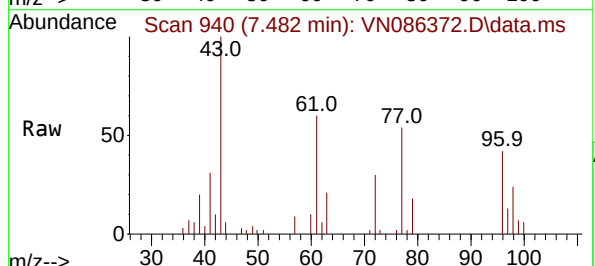
Tgt Ion: 96 Resp: 14319

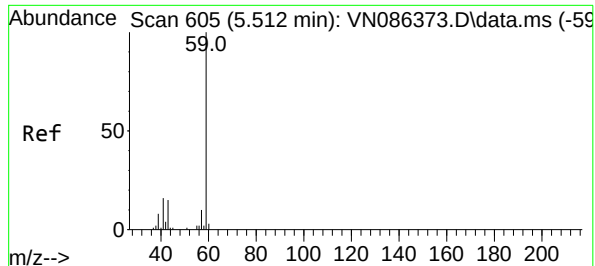
Ion Ratio Lower Upper

96 100

61 146.0 120.6 181.0

98 62.0 51.8 77.6





#23

tert-Butyl Alcohol

Concen: 26.795 ug/l m

RT: 5.518 min Scan# 605

Delta R.T. 0.006 min

Lab File: VN086372.D

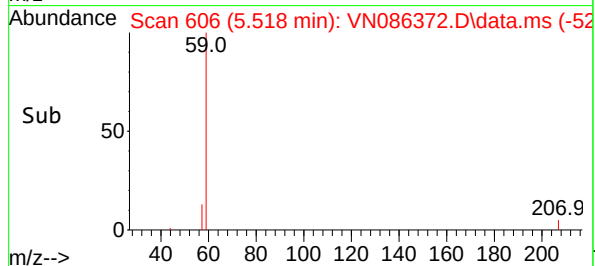
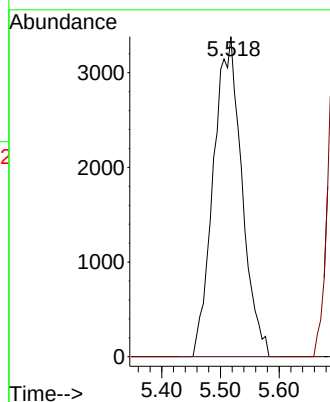
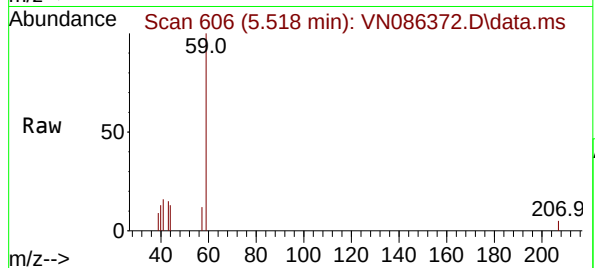
Acq: 23 Apr 2025 09:22

Tgt Ion: 59 Resp: 1136

Ion Ratio Lower Upper

59 100

52 194.8 0.1 0.1



Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Manual Integrations

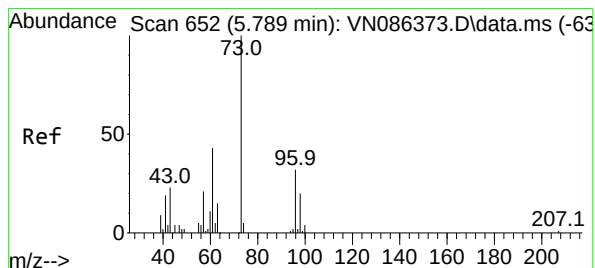
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#24

Methyl tert-Butyl Ether

Concen: 5.048 ug/l

RT: 5.794 min Scan# 653

Delta R.T. 0.006 min

Lab File: VN086372.D

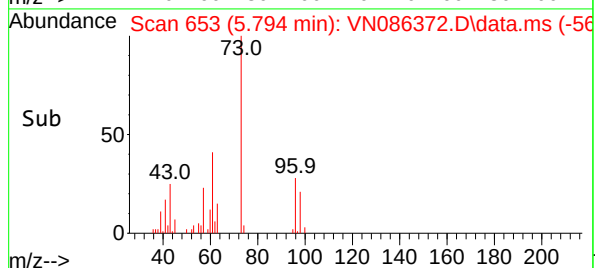
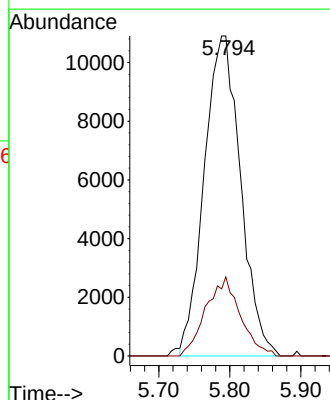
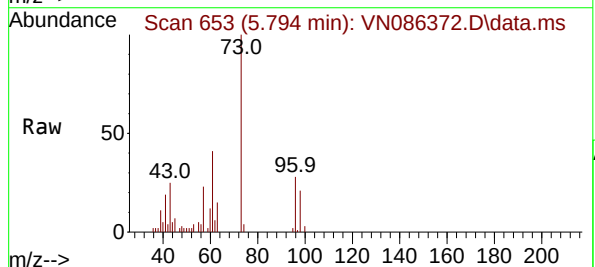
Acq: 23 Apr 2025 09:22

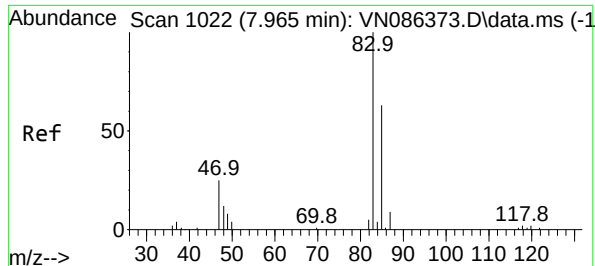
Tgt Ion: 73 Resp: 38714

Ion Ratio Lower Upper

73 100

43 23.4 17.1 25.7





#25

Chloroform

Concen: 5.145 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 2249

Ion Ratio Lower Upper

83 100

85 63.2 50.2 75.2

Manual Integrations

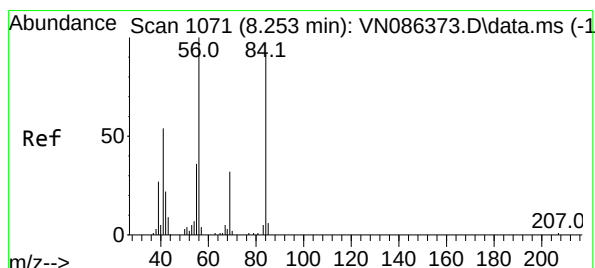
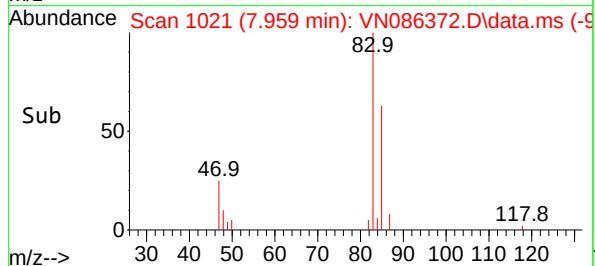
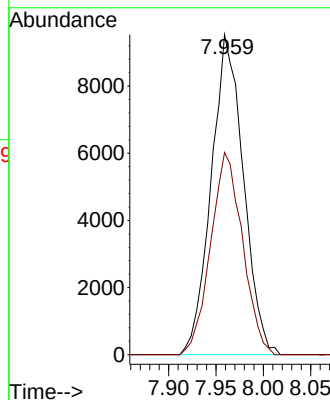
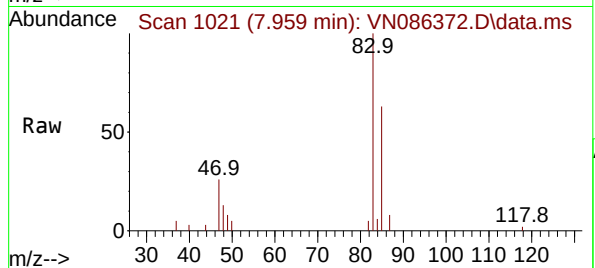
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#26

Cyclohexane

Concen: 5.300 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

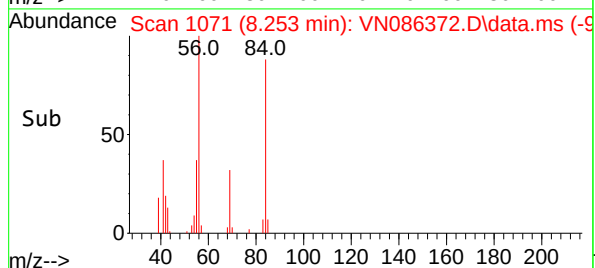
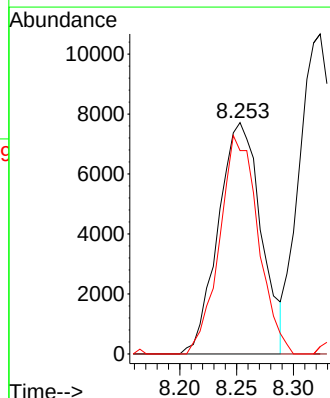
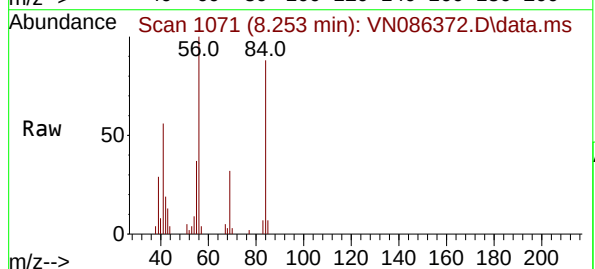
Tgt Ion: 56 Resp: 20215

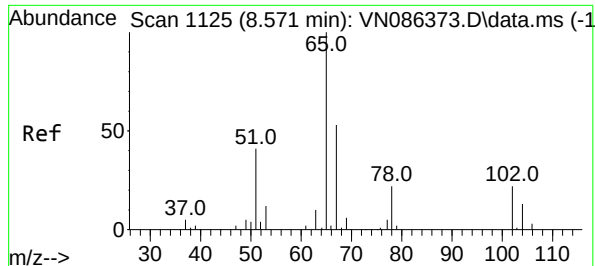
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 84.9 71.5 107.3





#27

1,2-Dichloroethane-d4

Concen: 30.870 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 88562

Ion Ratio Lower Upper

65 100

67 52.6 42.5 63.7

Manual Integrations

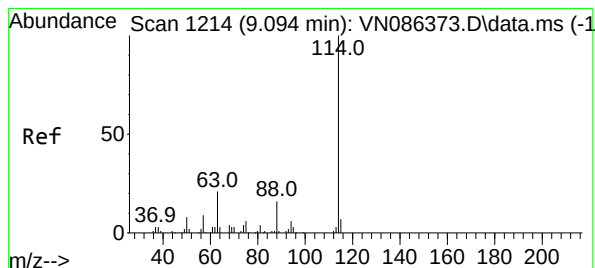
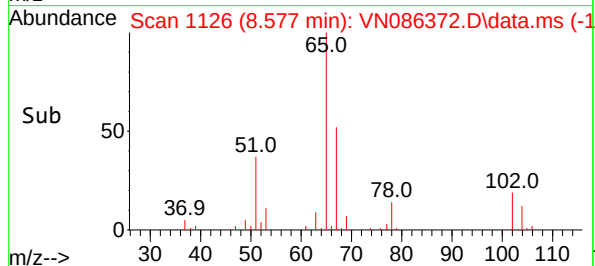
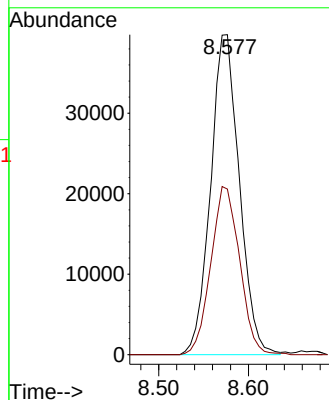
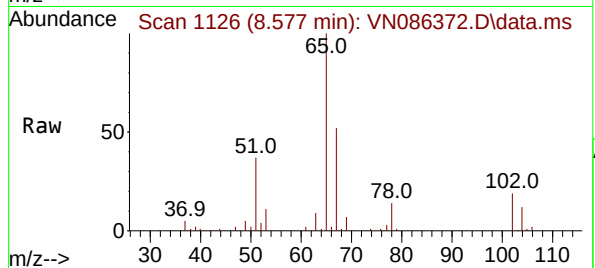
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

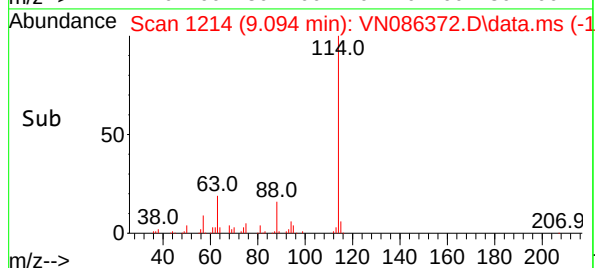
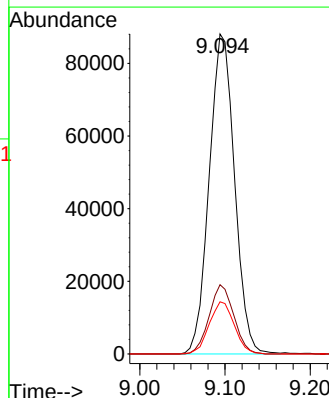
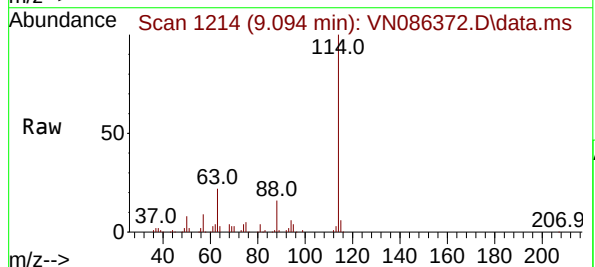
Tgt Ion:114 Resp: 182016

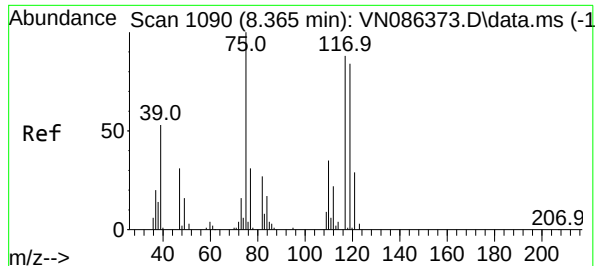
Ion Ratio Lower Upper

114 100

63 21.0 16.7 25.1

88 16.1 12.6 19.0





#29

1,1-Dichloropropene

Concen: 4.916 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:	75	Resp:	1577
Ion	Ratio	Lower	Upper
75	100		
110	35.8	0.0	68.0
77	17.4	0.0	61.4

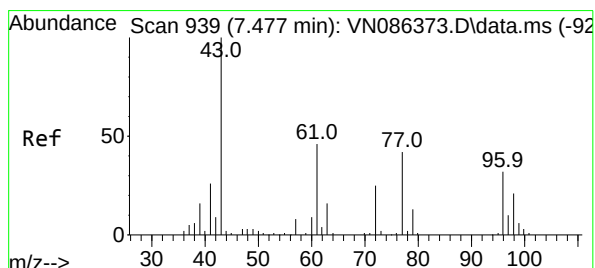
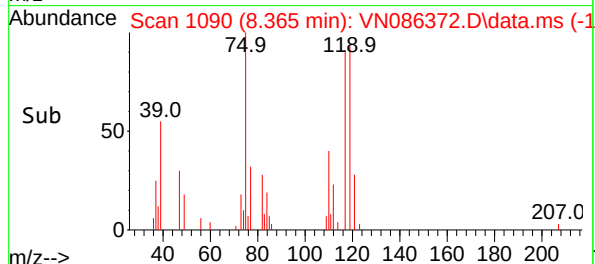
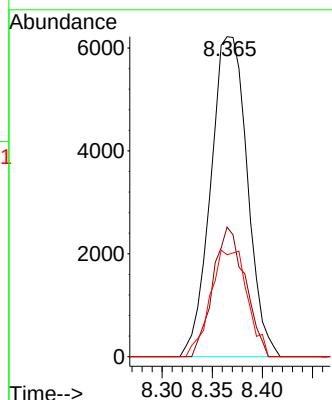
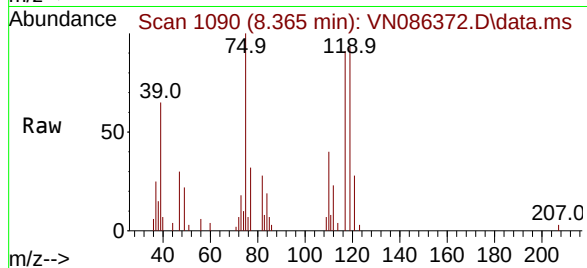
Manual Integrations
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#30

2-Butanone

Concen: 24.283 ug/l

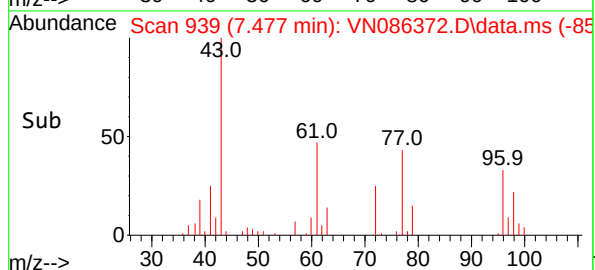
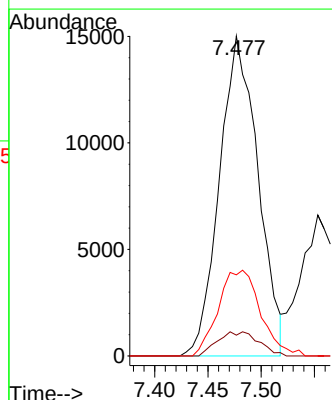
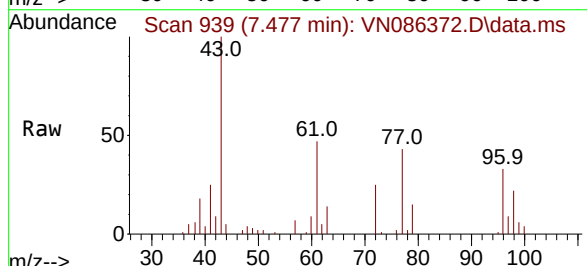
RT: 7.477 min Scan# 939

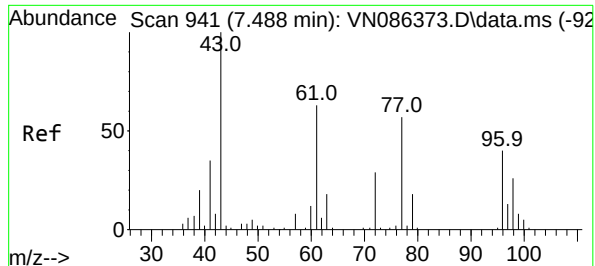
Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Tgt Ion:	43	Resp:	37820
Ion	Ratio	Lower	Upper
43	100		
57	4.1	6.6	10.0#
72	29.3	22.2	33.4





#31

2,2-Dichloropropane

Concen: 5.065 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN086372.D

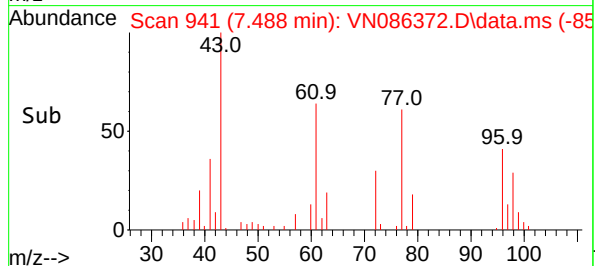
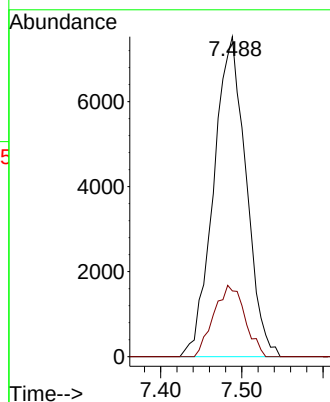
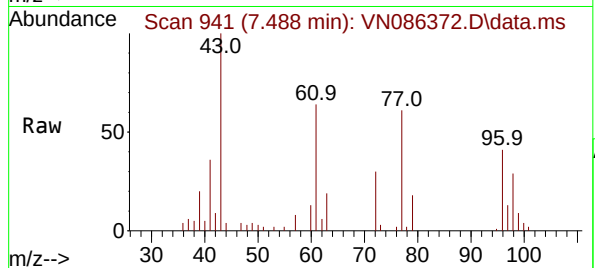
Acq: 23 Apr 2025 09:22

Tgt Ion: 77 Resp: 2089

Ion Ratio Lower Upper

77 100

97 21.2 18.2 27.2



Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Manual Integrations

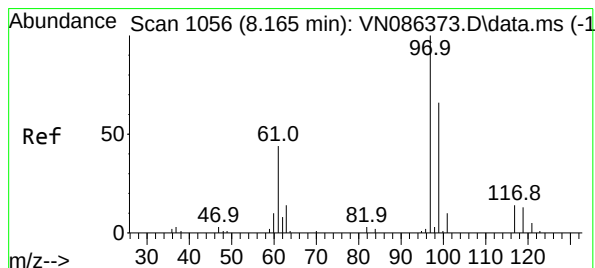
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#32

1,1,1-Trichloroethane

Concen: 5.070 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

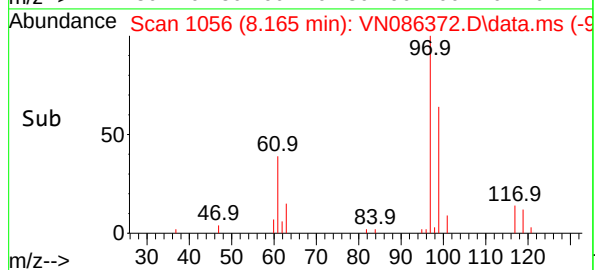
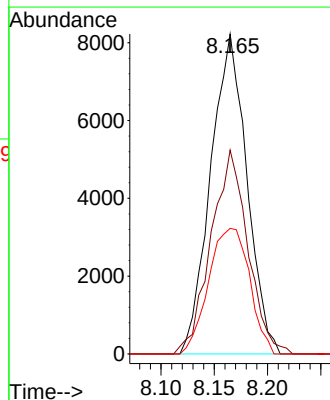
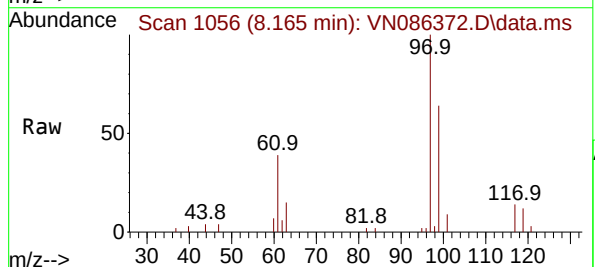
Tgt Ion: 97 Resp: 19441

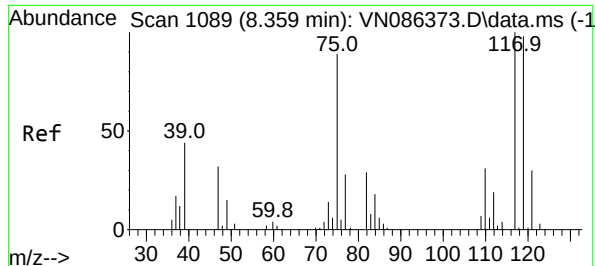
Ion Ratio Lower Upper

97 100

99 65.0 52.6 79.0

61 44.4 36.4 54.6





#33

Carbon Tetrachloride

Concen: 4.908 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 15492

Ion Ratio Lower Upper

117 100

119 107.2 78.6 117.8

121 33.2 24.0 36.0

Manual Integrations

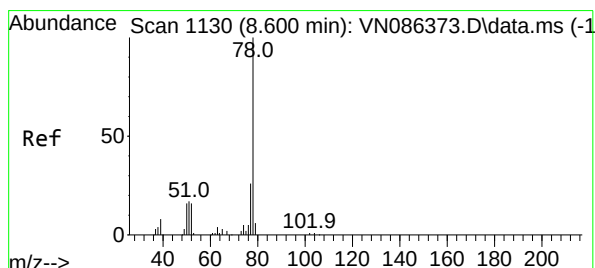
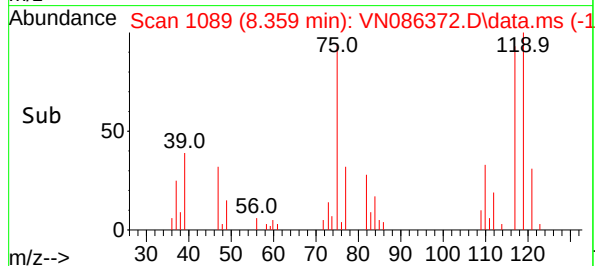
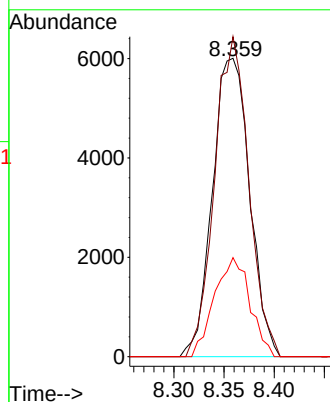
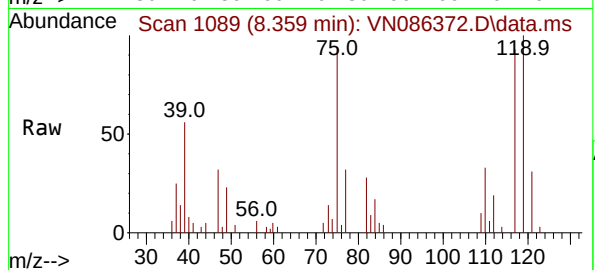
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#34

Benzene

Concen: 5.013 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

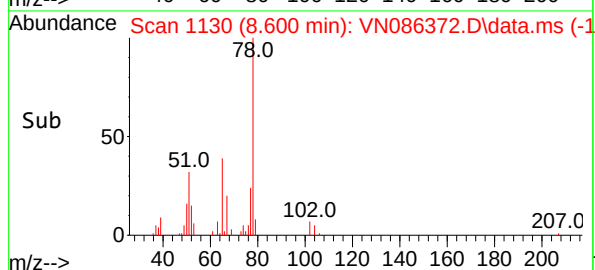
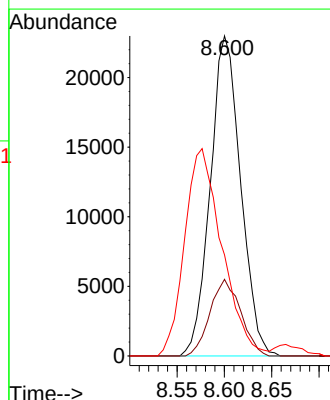
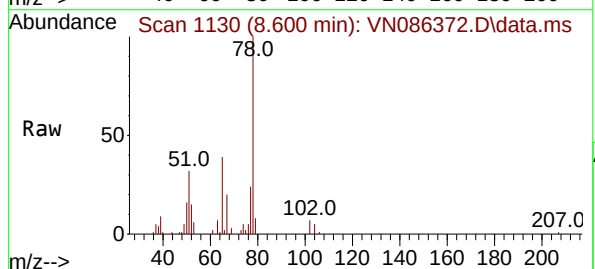
Tgt Ion: 78 Resp: 51159

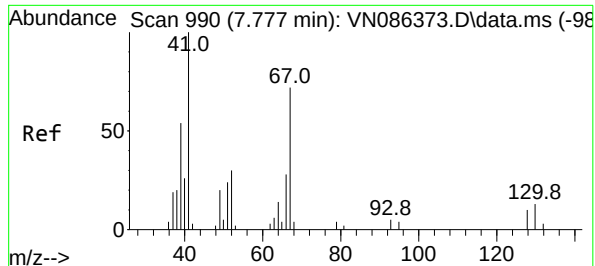
Ion Ratio Lower Upper

78 100

77 23.9 20.8 31.2

51 28.3 14.0 21.0#





#35

Methacrylonitrile

Concen: 4.626 ug/l

RT: 7.777 min Scan# 990

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 8219

Ion Ratio Lower Upper

41 100

39 57.6 27.0 80.8

67 64.0 35.8 107.3

52 39.2 15.2 45.5

Manual Integrations

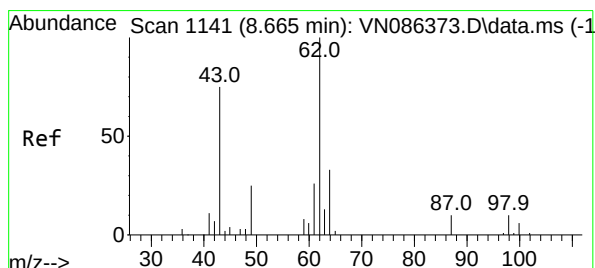
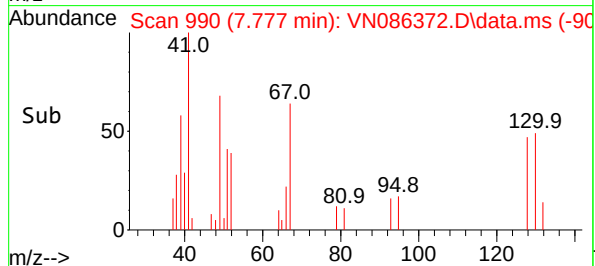
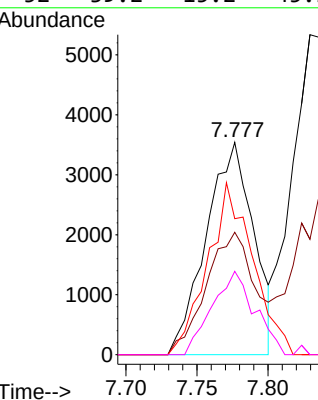
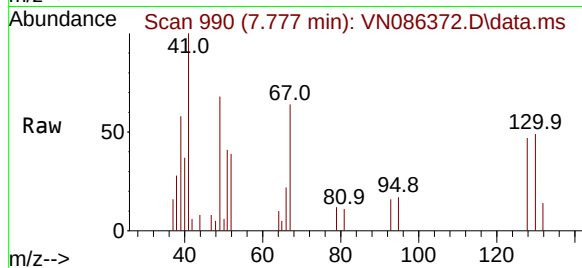
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#36

1,2-Dichloroethane

Concen: 5.000 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN086372.D

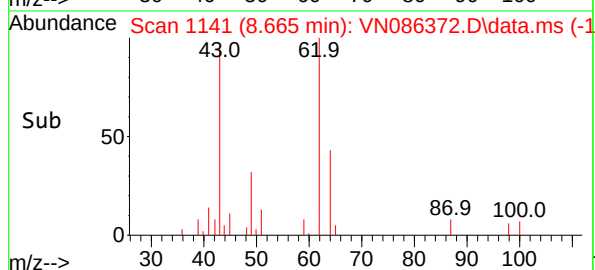
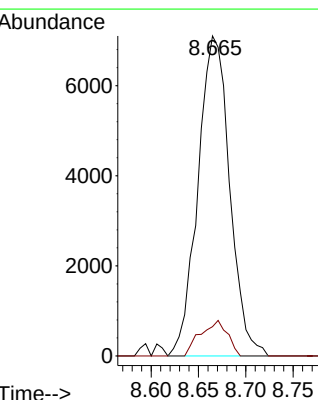
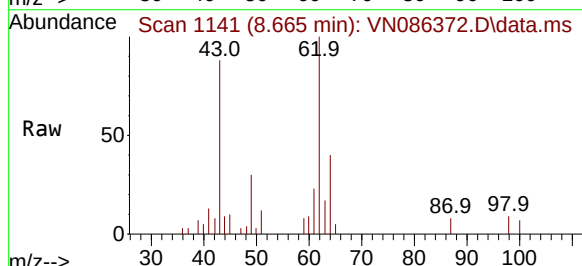
Acq: 23 Apr 2025 09:22

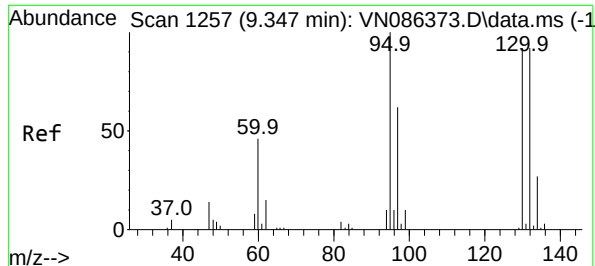
Tgt Ion: 62 Resp: 16569

Ion Ratio Lower Upper

62 100

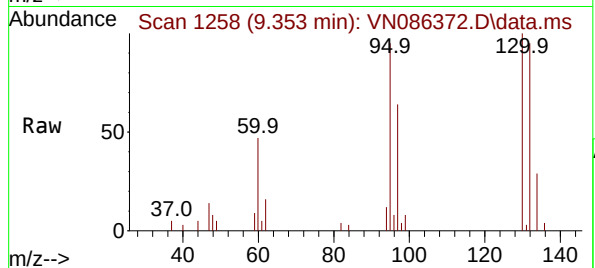
98 9.4 7.6 11.4





#37
Trichloroethene
Concen: 4.867 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



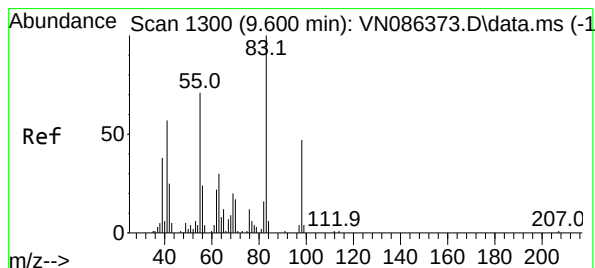
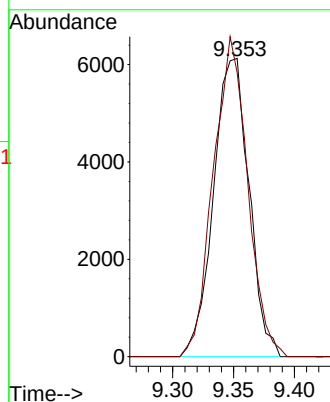
Tgt Ion:130 Resp: 12434
Ion Ratio Lower Upper
130 100
95 95.2 86.6 130.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone

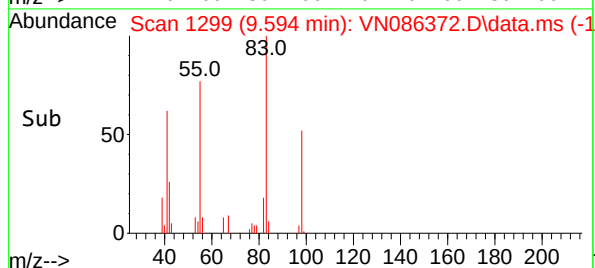
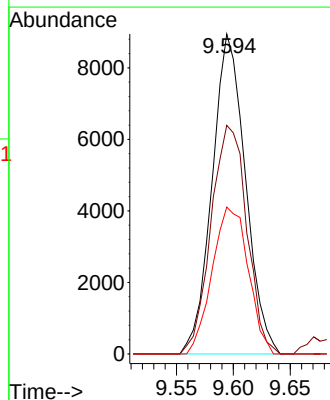
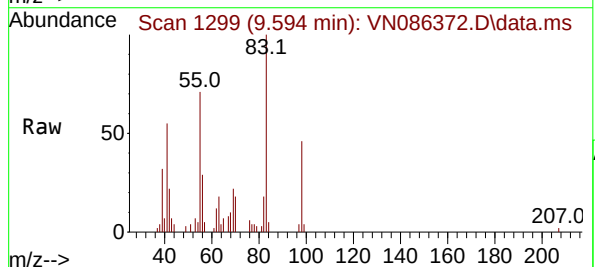
04/24/2025
Supervised By :Mahesh
Dadoda

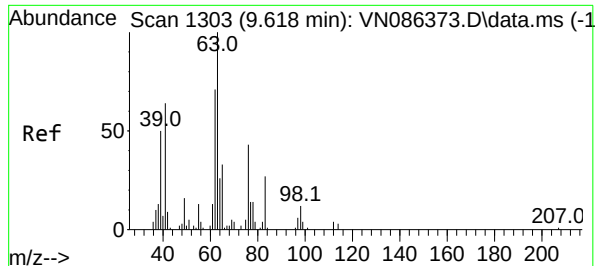
04/25/2025



#38
Methylcyclohexane
Concen: 4.925 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Tgt Ion: 83 Resp: 18253
Ion Ratio Lower Upper
83 100
55 76.7 37.3 111.9
98 49.6 23.8 71.5





#39

1,2-Dichloropropane

Concen: 5.198 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086372.D

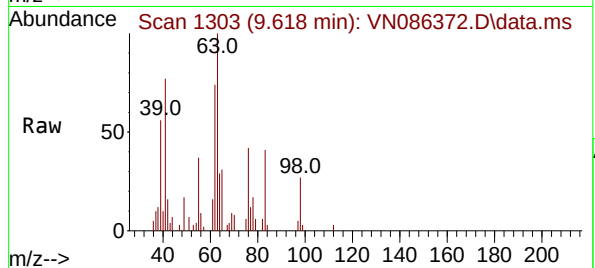
Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005



Tgt Ion: 63 Resp: 1310

Ion Ratio Lower Upper

63 100

65 31.3 26.7 40.1

Manual Integrations

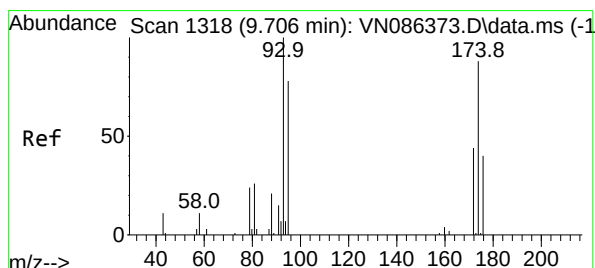
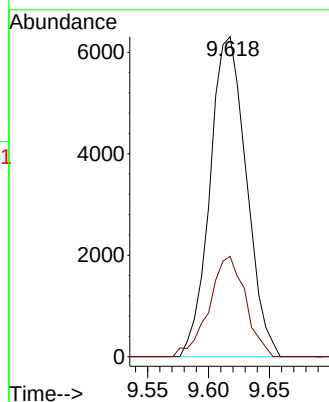
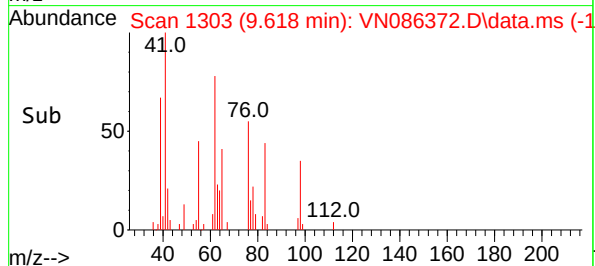
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#40

Dibromomethane

Concen: 5.025 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

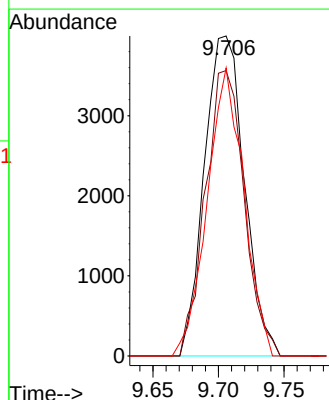
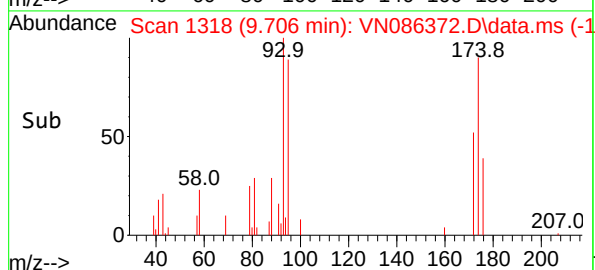
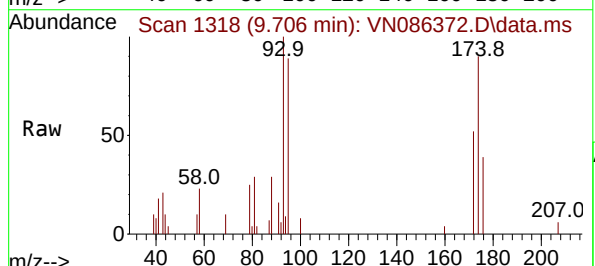
Tgt Ion: 93 Resp: 8472

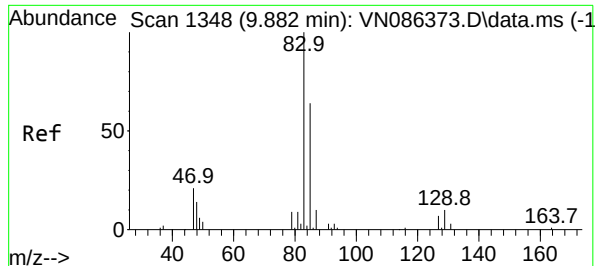
Ion Ratio Lower Upper

93 100

95 86.7 0.0 159.2

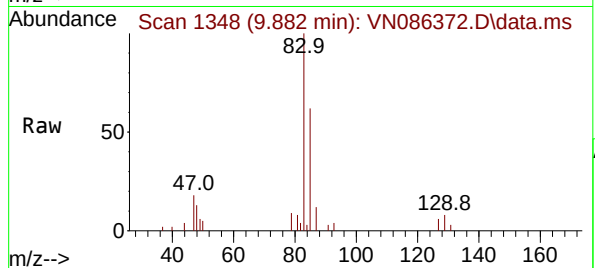
174 82.4 0.0 171.4





#41
Bromodichloromethane
Concen: 4.934 ug/l
RT: 9.882 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



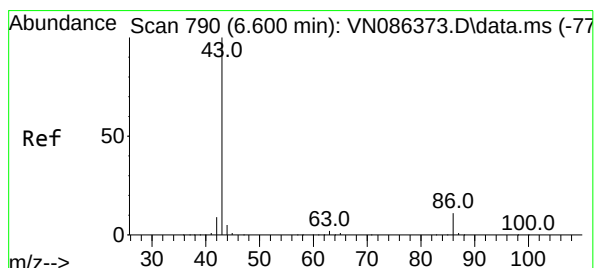
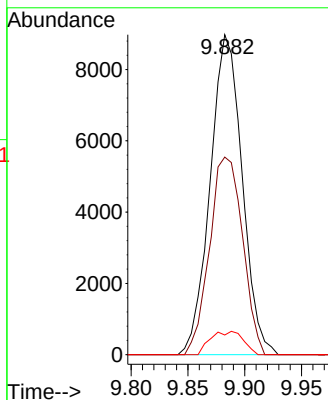
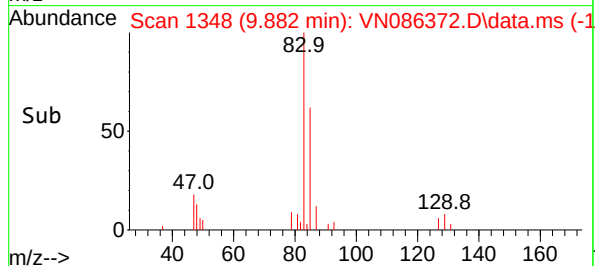
Tgt Ion: 83 Resp: 17604
Ion Ratio Lower Upper
83 100
85 61.8 51.1 76.7
127 6.2 5.9 8.9

Manual Integrations
APPROVED

Reviewed By :John
Carlone

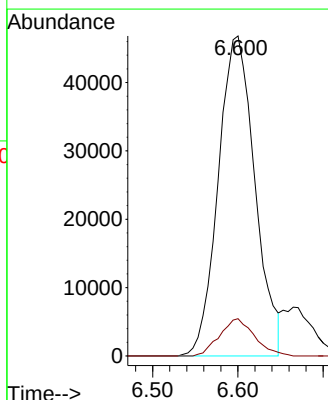
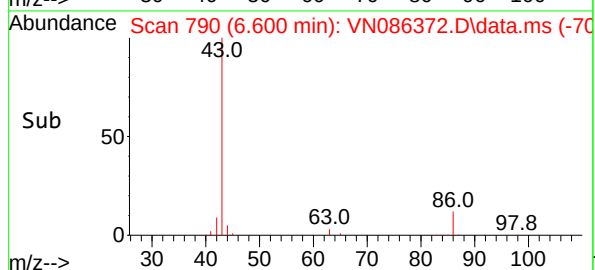
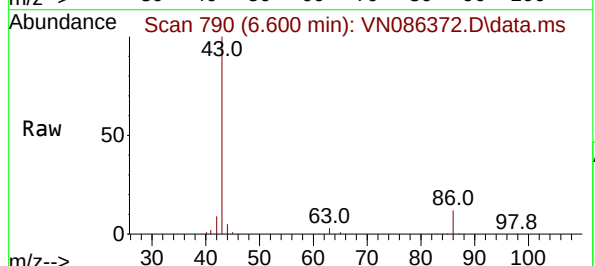
04/24/2025
Supervised By :Mahesh
Dadoda

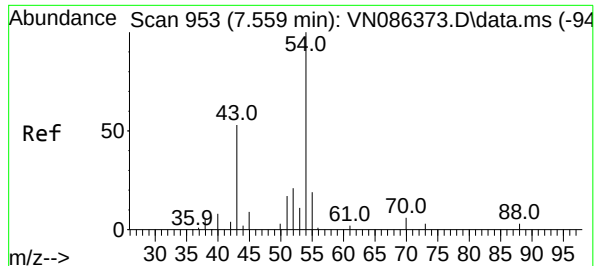
04/25/2025



#42
Vinyl Acetate
Concen: 26.004 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Tgt Ion: 43 Resp: 140295
Ion Ratio Lower Upper
43 100
86 11.1 8.9 13.3





#43

Ethyl Acetate

Concen: 5.600 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 1726

Ion Ratio Lower Upper

43 100

45 13.1 11.4 17.2

Manual Integrations

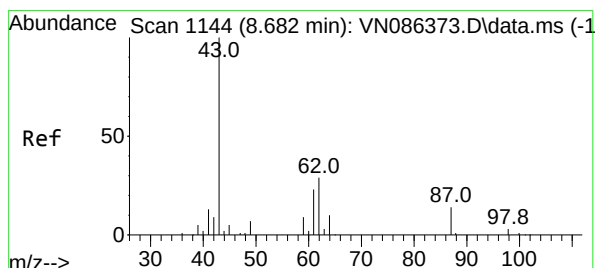
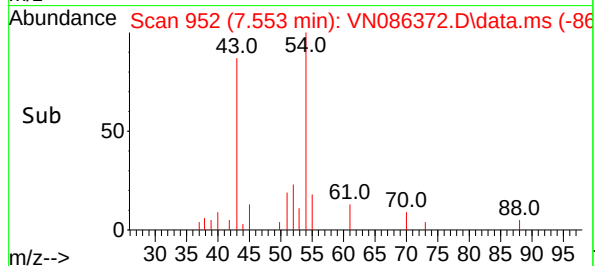
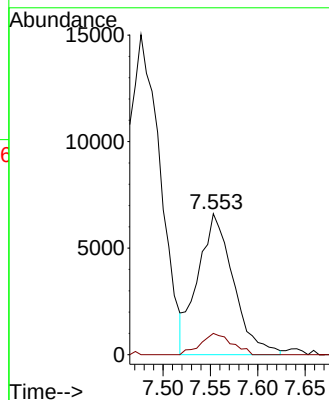
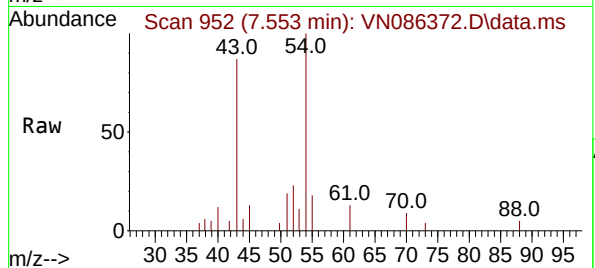
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#44

Isopropyl Acetate

Concen: 5.352 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086372.D

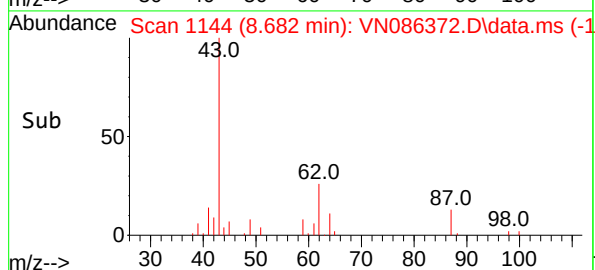
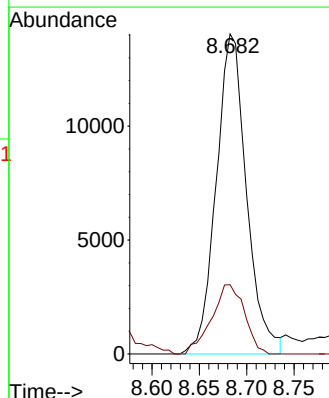
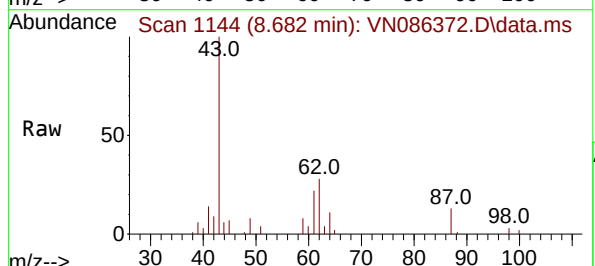
Acq: 23 Apr 2025 09:22

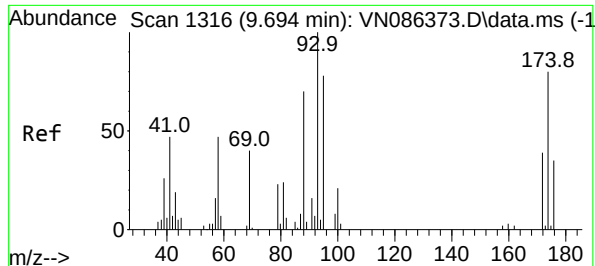
Tgt Ion: 43 Resp: 31305

Ion Ratio Lower Upper

43 100

61 23.4 21.0 31.4





#45

1,4-Dioxane

Concen: 96.252 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 439

Ion Ratio Lower Upper

88 100

43 15.7 24.9 37.3

58 73.5 57.8 86.8

Manual Integrations

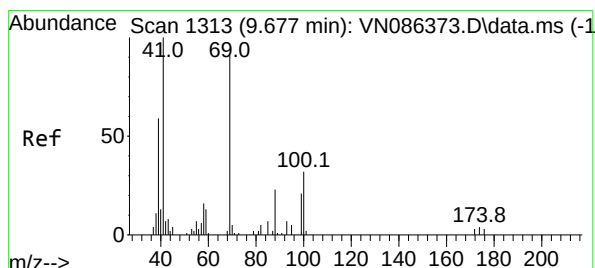
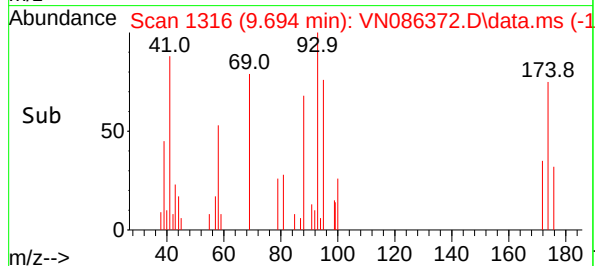
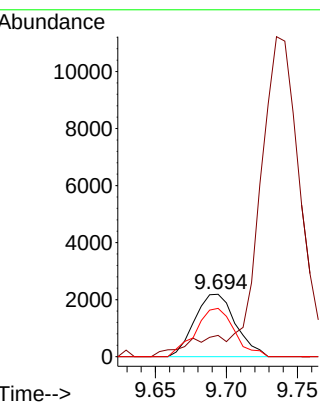
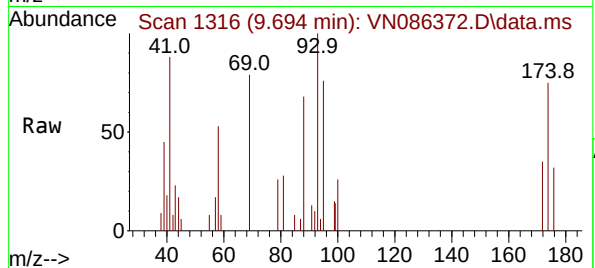
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#46

Methyl methacrylate

Concen: 4.961 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

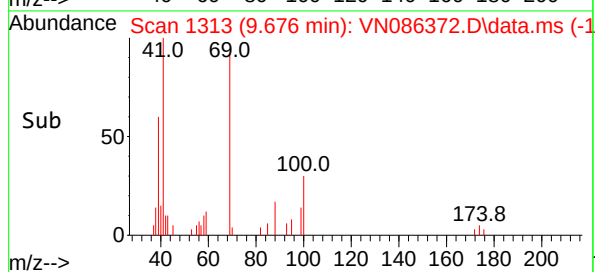
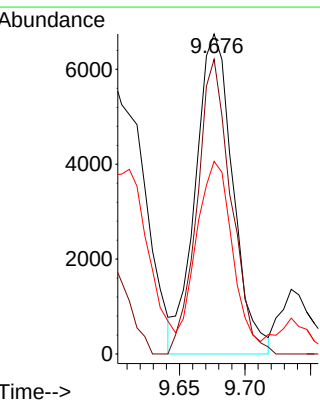
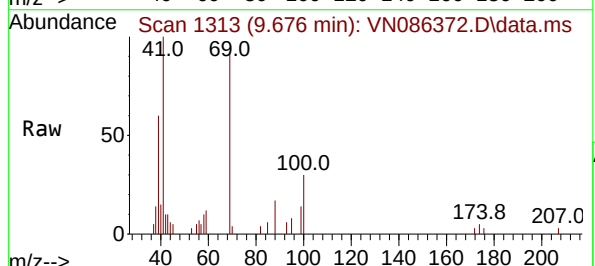
Tgt Ion: 41 Resp: 13386

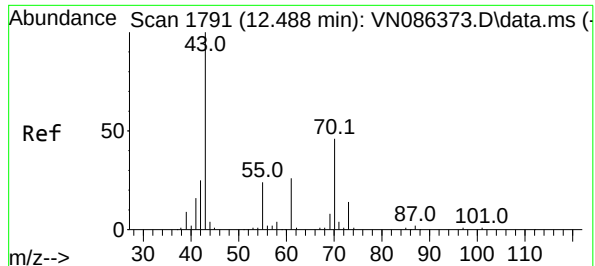
Ion Ratio Lower Upper

41 100

69 97.0 44.1 132.3

39 57.0 30.0 90.1





#47

n-amy1 Acetate

Concen: 4.571 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 2279

Ion Ratio Lower Upper

43

100

55

25.2

19.4

29.0

Manual Integrations

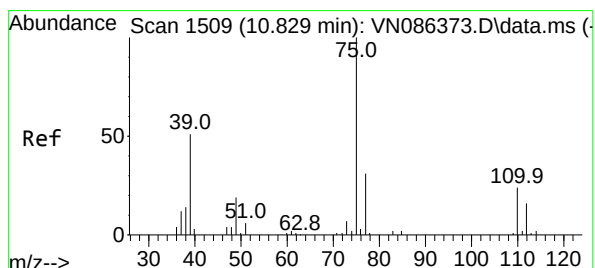
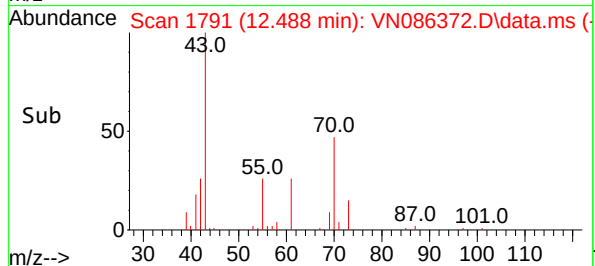
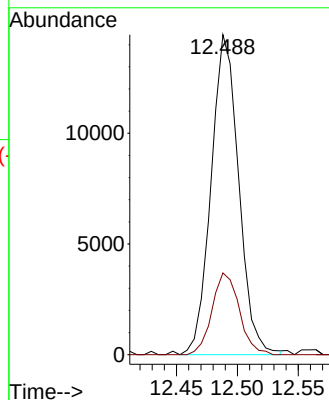
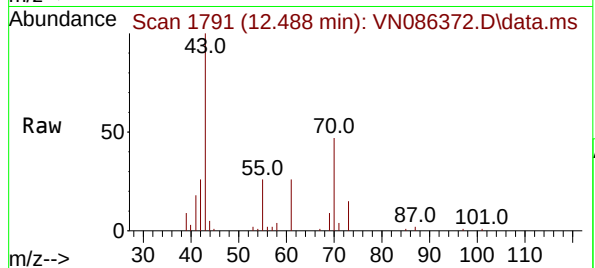
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#48

t-1,3-Dichloropropene

Concen: 4.752 ug/l

RT: 10.829 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Tgt Ion: 75 Resp: 18958

Ion Ratio Lower Upper

75

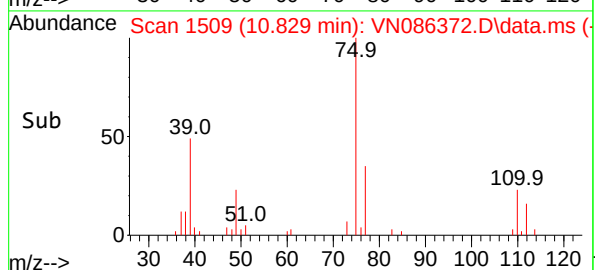
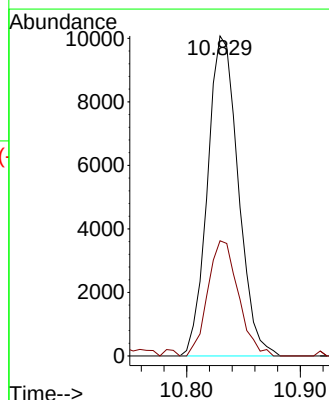
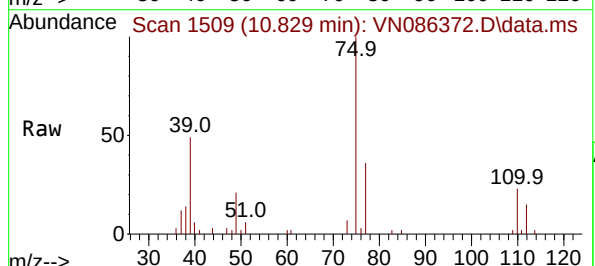
100

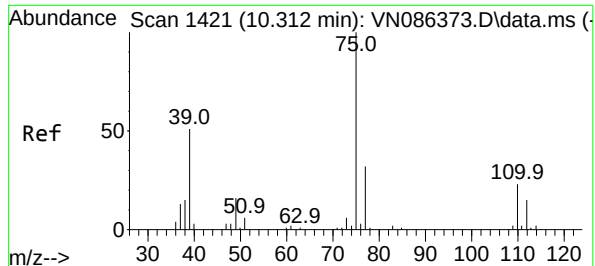
77

36.0

24.4

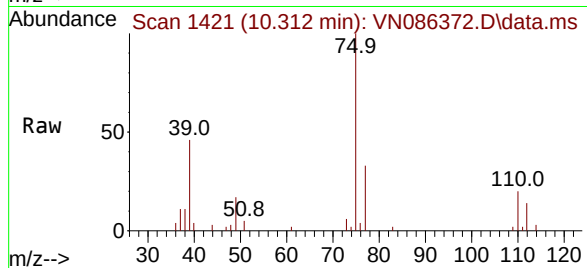
36.6





#49
 cis-1,3-Dichloropropene
 Concen: 4.819 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.000 min
 Lab File: VN086372.D
 Acq: 23 Apr 2025 09:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005



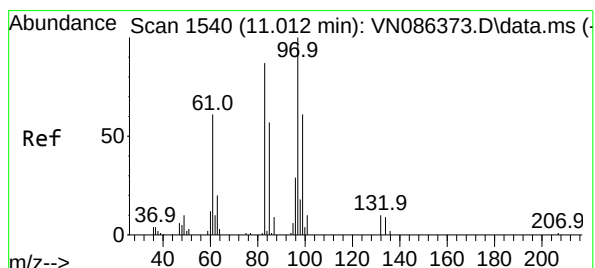
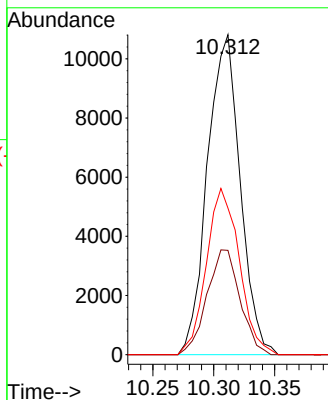
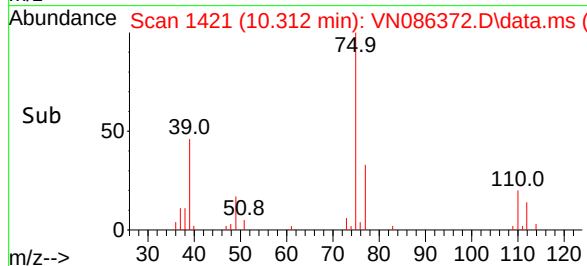
Tgt Ion: 75 Resp: 2027
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.6 38.4
 39 45.8 40.6 60.8

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Reviewed By :John
 Carlone

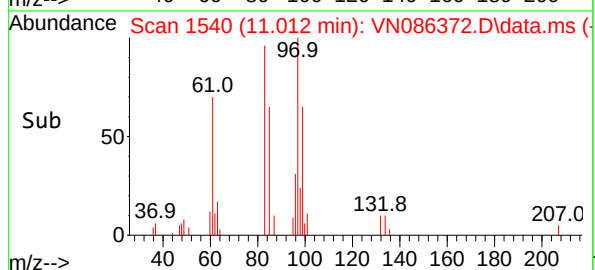
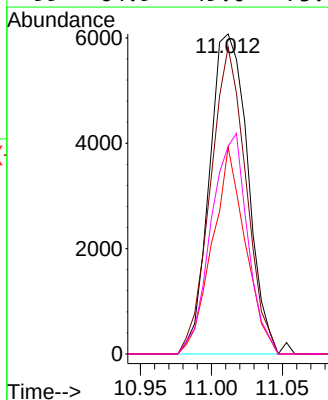
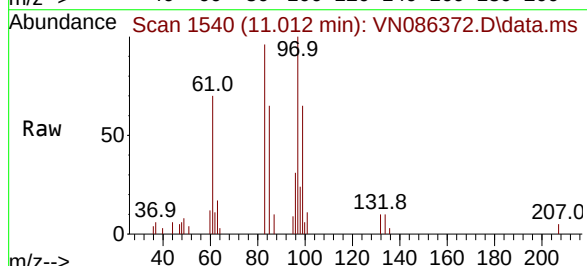
04/24/2025
 Supervised By :Mahesh
 Dadoda

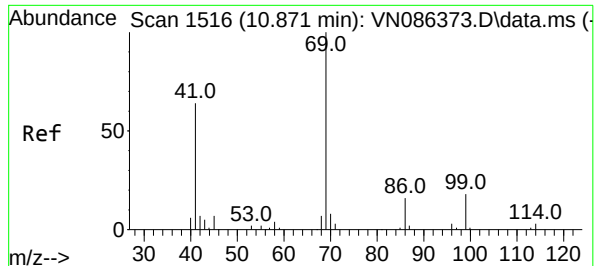
04/25/2025



#50
 1,1,2-Trichloroethane
 Concen: 4.837 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. -0.000 min
 Lab File: VN086372.D
 Acq: 23 Apr 2025 09:22

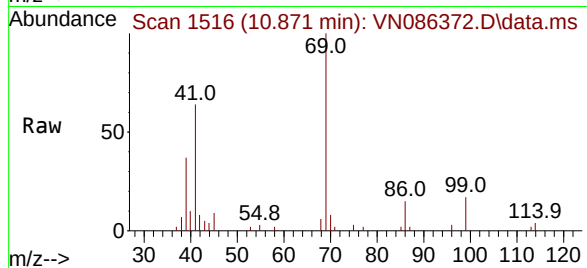
Tgt Ion: 97 Resp: 11391
 Ion Ratio Lower Upper
 97 100
 83 95.9 69.3 103.9
 85 64.7 45.5 68.3
 99 64.9 49.0 73.6





#51
Ethyl methacrylate
Concen: 4.663 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



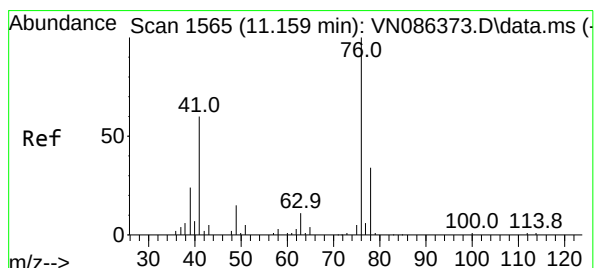
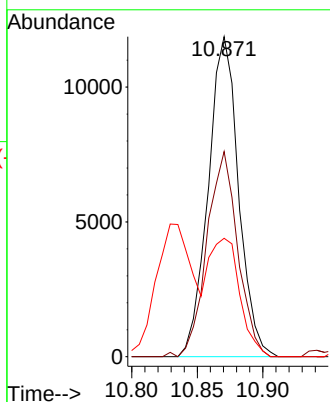
Tgt Ion: 69 Resp: 19120
Ion Ratio Lower Upper
69 100
41 64.1 32.3 96.8
39 37.0 19.1 57.1

Manual Integrations
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Reviewed By :John
Carlone

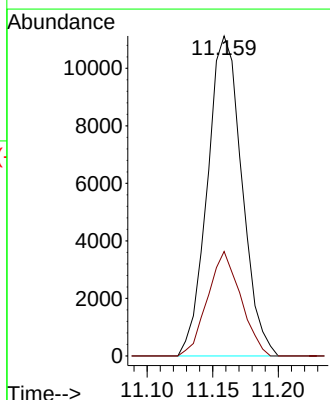
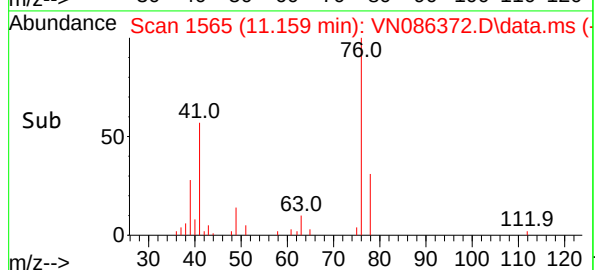
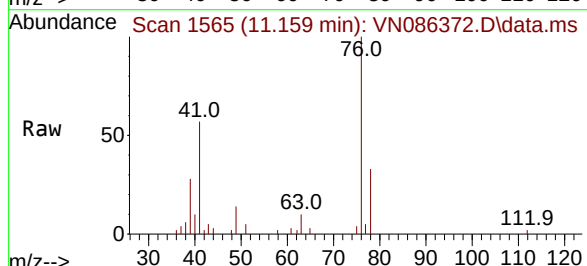
04/24/2025
Supervised By :Mahesh
Dadoda

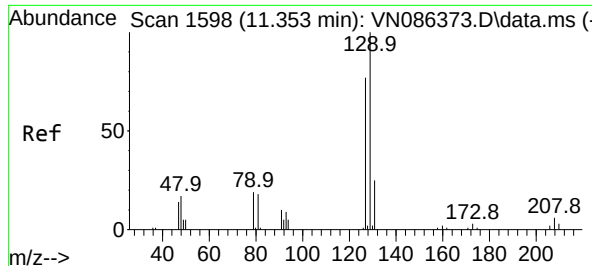
04/25/2025



#52
1,3-Dichloropropane
Concen: 4.887 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

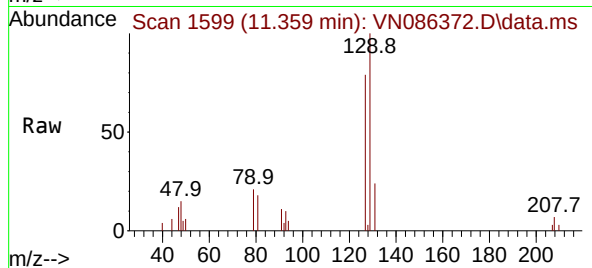
Tgt Ion: 76 Resp: 20341
Ion Ratio Lower Upper
76 100
78 31.4 0.0 65.6





#53
Dibromochloromethane
Concen: 4.763 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



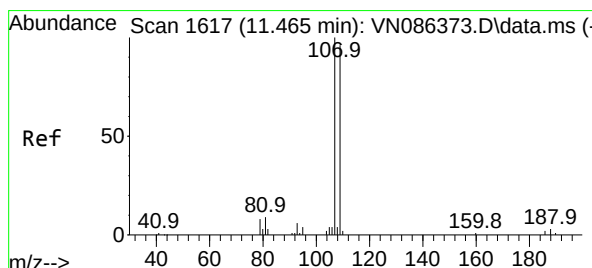
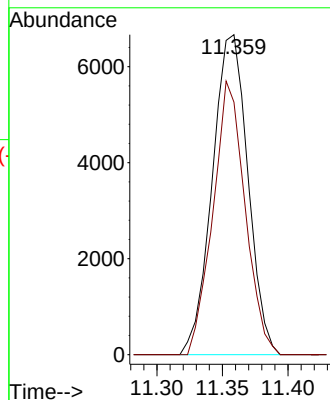
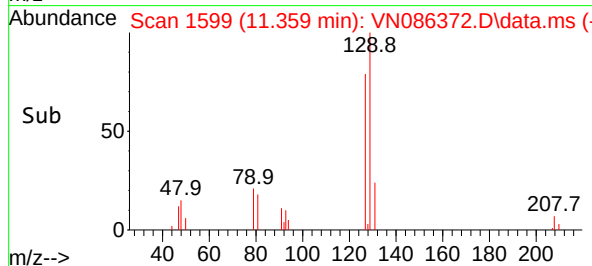
Tgt Ion:129 Resp: 12590
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.3

Manual Integrations
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Reviewed By :John
Carlone

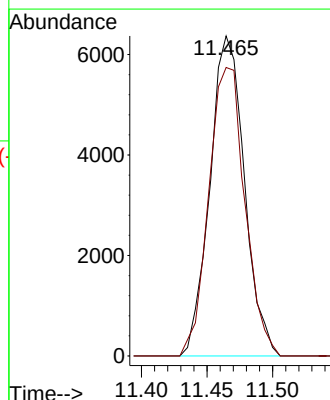
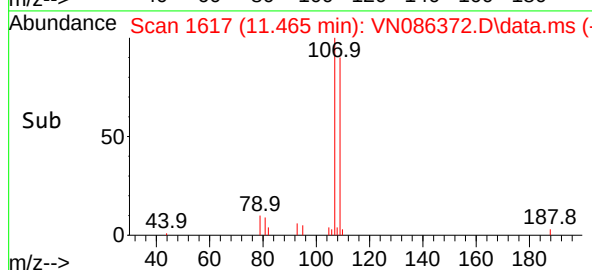
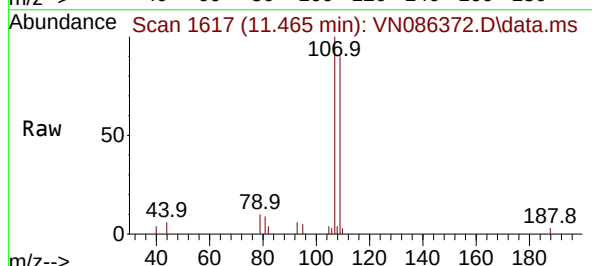
04/24/2025
Supervised By :Mahesh
Dadoda

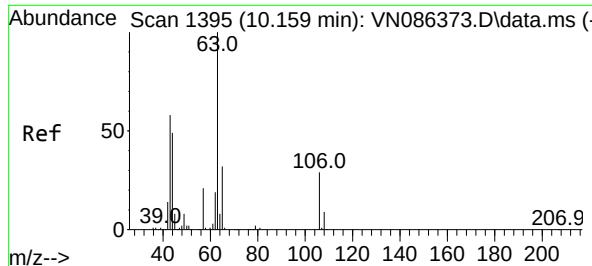
04/25/2025



#54
1,2-Dibromoethane
Concen: 4.868 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

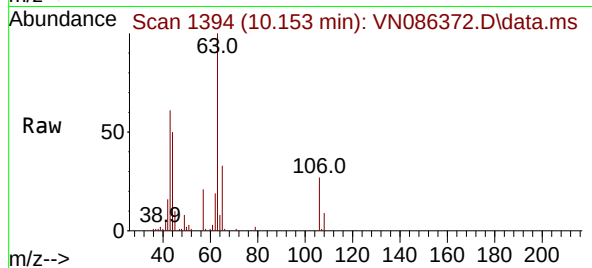
Tgt Ion:107 Resp: 11656
Ion Ratio Lower Upper
107 100
109 94.5 75.4 113.0





#55
2-Chloroethyl vinyl ether
Concen: 23.017 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



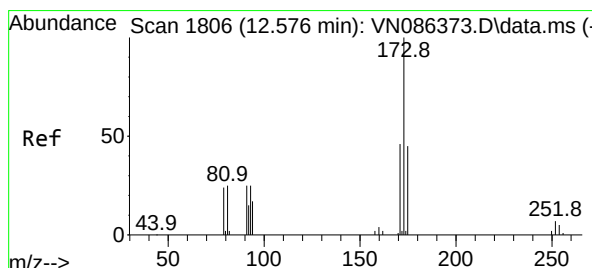
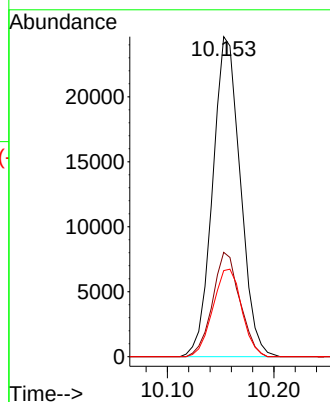
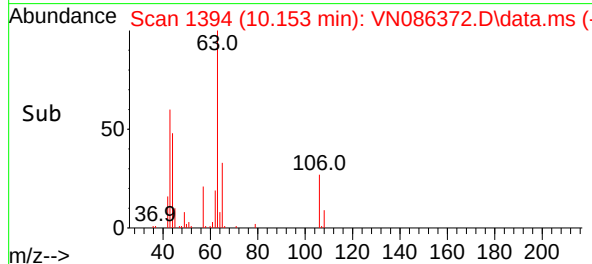
Tgt Ion: 63 Resp: 4438
Ion Ratio Lower Upper
63 100
65 32.2 25.7 38.5
106 28.5 22.3 33.5

Manual Integrations
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Reviewed By :John
Carlone

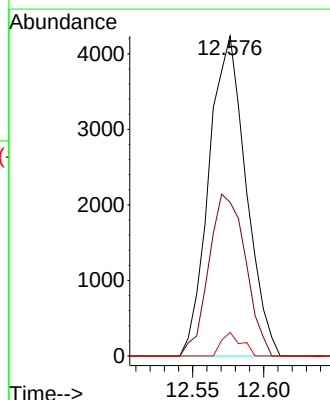
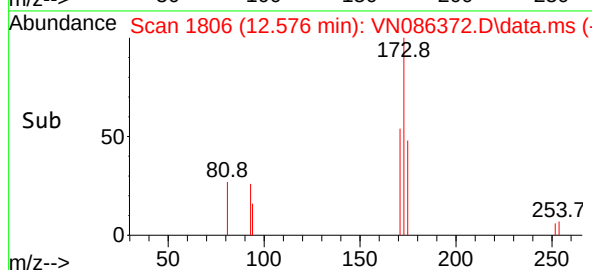
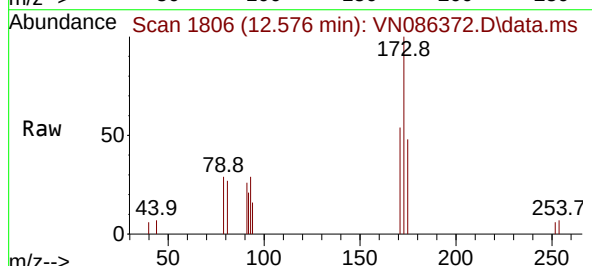
04/24/2025
Supervised By :Mahesh
Dadoda

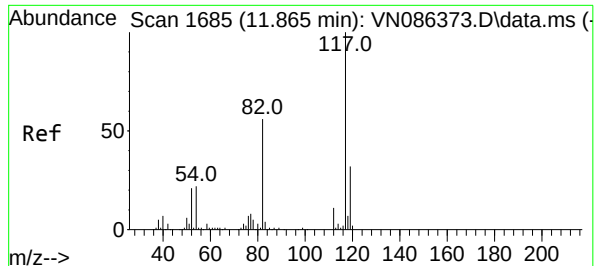
04/25/2025



#56
Bromoform
Concen: 4.471 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

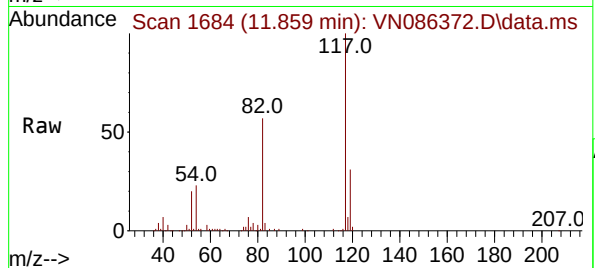
Tgt Ion:173 Resp: 7673
Ion Ratio Lower Upper
173 100
175 50.3 39.0 58.6
254 4.0 3.8 5.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



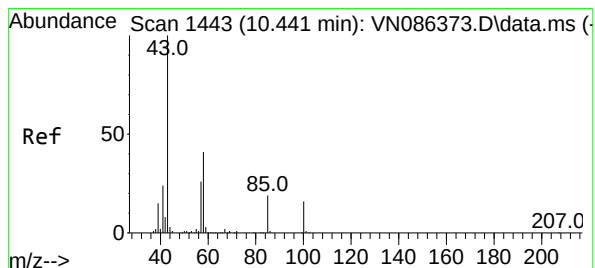
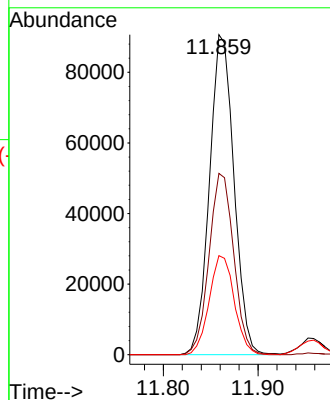
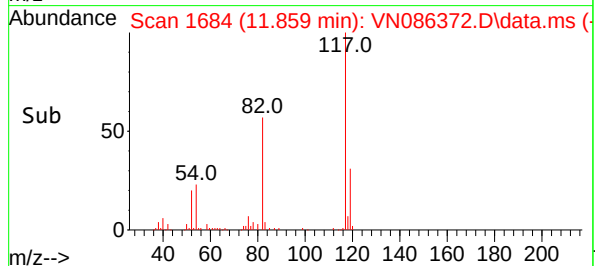
Tgt Ion: 117 Resp: 16294
Ion Ratio Lower Upper
117 100
82 57.1 45.5 68.3
119 31.7 25.9 38.9

Manual Integrations
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Reviewed By :John
Carlone

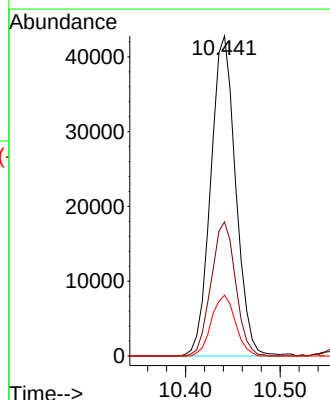
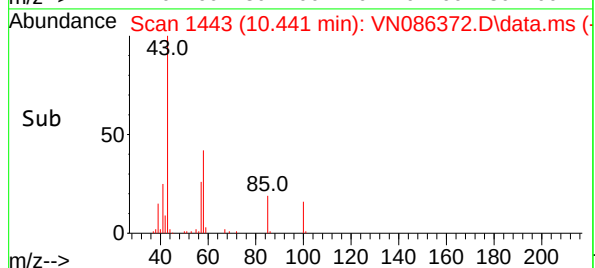
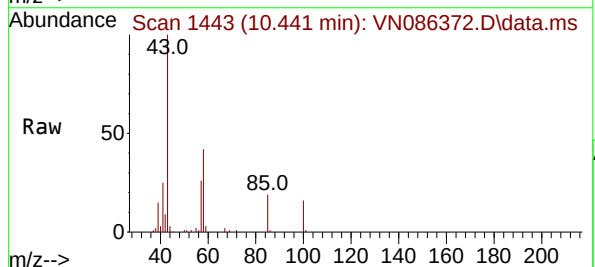
04/24/2025
Supervised By :Mahesh
Dadoda

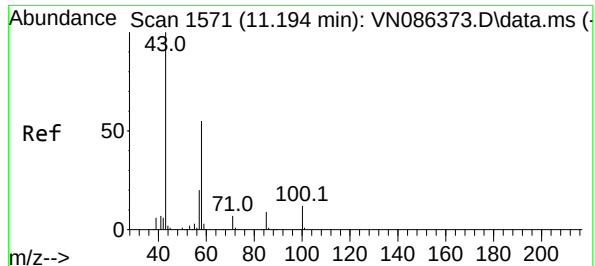
04/25/2025



#58
4-Methyl-2-Pentanone
Concen: 24.901 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Tgt Ion: 43 Resp: 78517
Ion Ratio Lower Upper
43 100
58 41.0 33.0 49.6
85 18.2 14.9 22.3





#59
2-Hexanone
Concen: 24.809 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

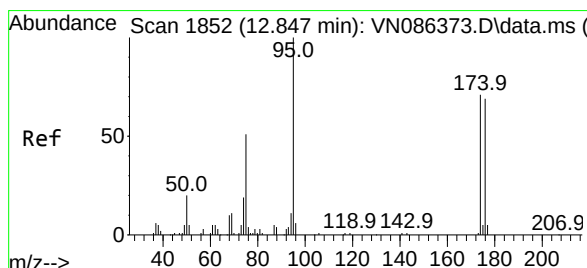
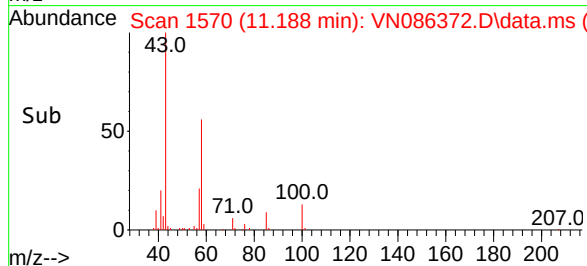
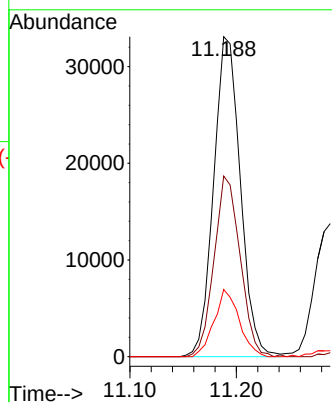
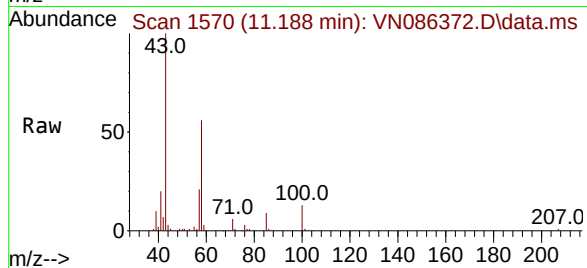
Tgt Ion: 43 Resp: 57648
Ion Ratio Lower Upper
43 100
58 54.9 45.0 67.6
57 19.7 15.5 23.3

Manual Integrations
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Reviewed By :John
Carlone

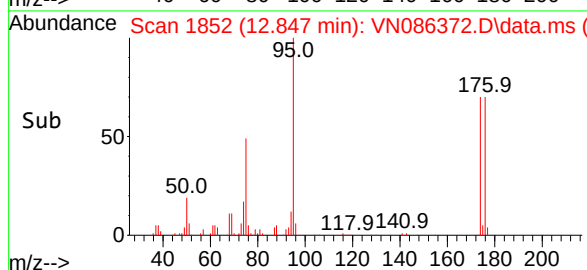
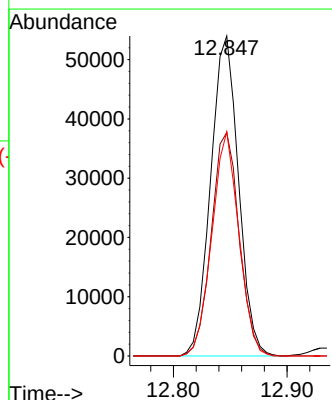
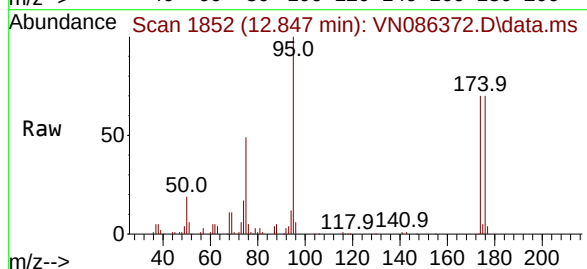
04/24/2025
Supervised By :Mahesh
Dadoda

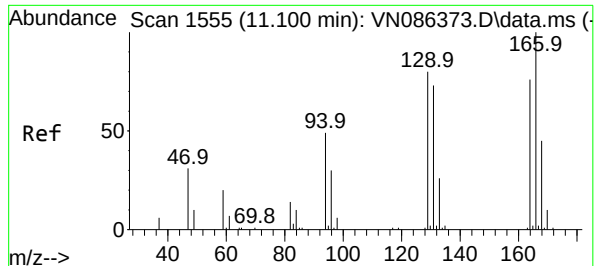
04/25/2025



#60
4-Bromofluorobenzene
Concen: 28.680 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

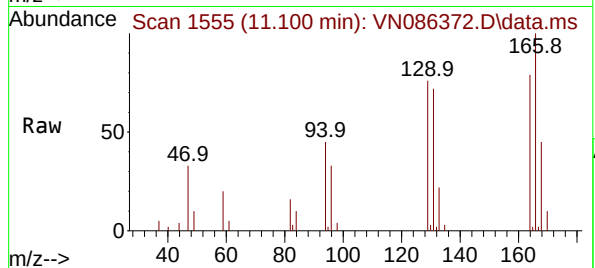
Tgt Ion: 95 Resp: 91848
Ion Ratio Lower Upper
95 100
174 69.9 56.6 84.8
176 67.8 53.3 79.9





#61
Tetrachloroethene
Concen: 5.193 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



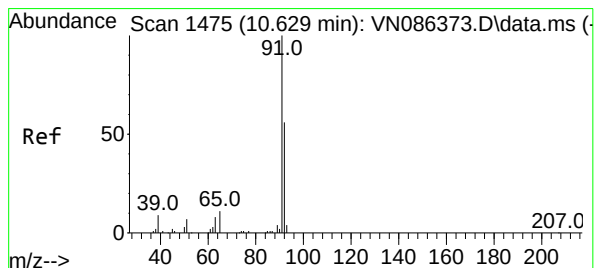
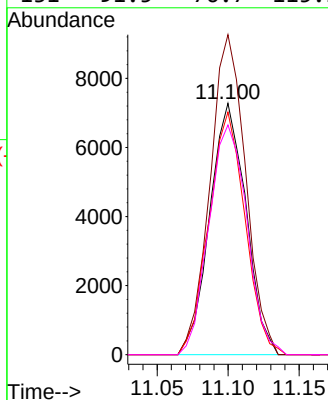
Tgt Ion:164 Resp: 12905
Ion Ratio Lower Upper
164 100
166 127.3 105.0 157.4
129 96.5 83.9 125.9
131 91.5 76.7 115.1

Manual Integrations
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Reviewed By :John
Carlone

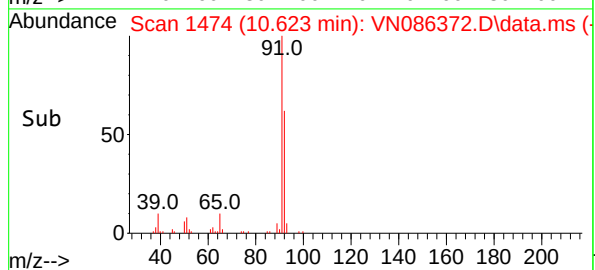
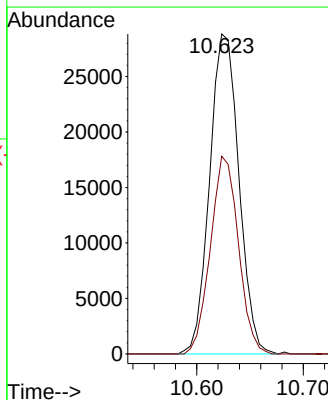
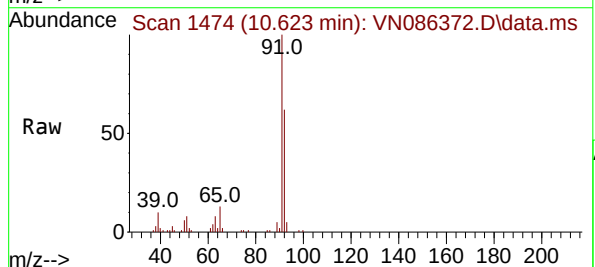
04/24/2025
Supervised By :Mahesh
Dadoda

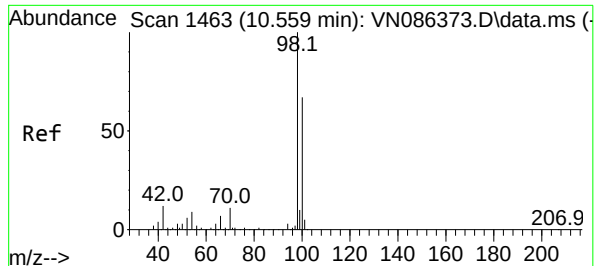
04/25/2025



#62
Toluene
Concen: 5.042 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

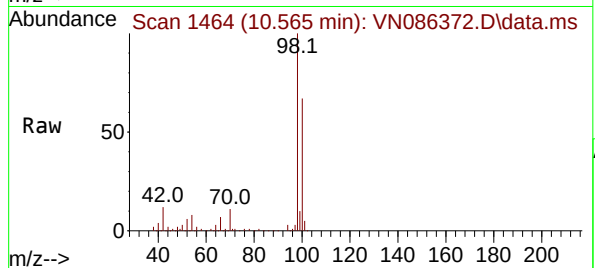
Tgt Ion: 91 Resp: 54989
Ion Ratio Lower Upper
91 100
92 59.1 45.7 68.5





#63
Toluene-d8
Concen: 30.293 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



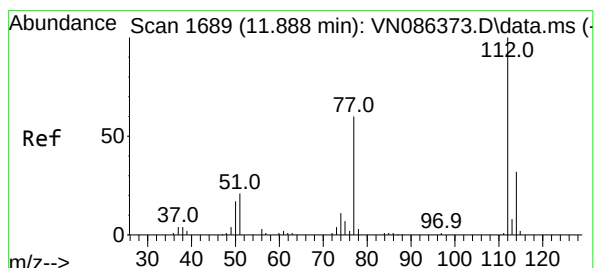
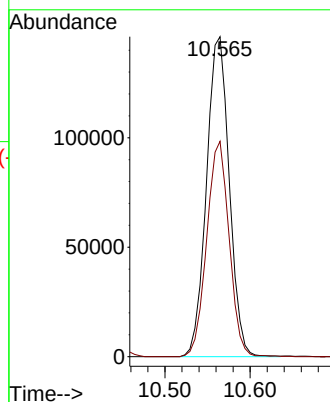
Tgt Ion: 98 Resp: 271554
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7

Manual Integrations
APPROVED

Reviewed By :John
Carlone

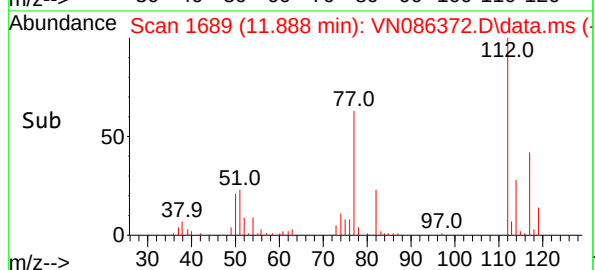
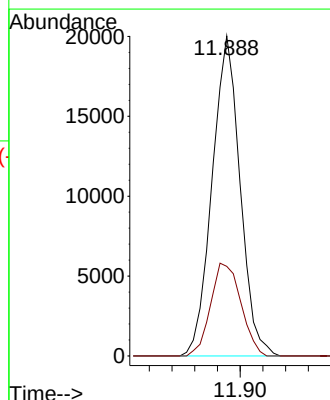
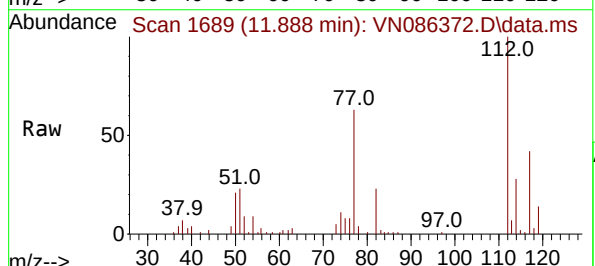
04/24/2025
Supervised By :Mahesh
Dadoda

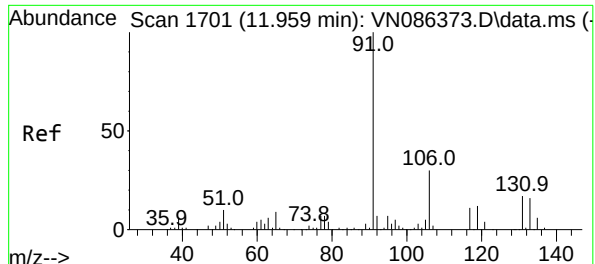
04/25/2025



#64
Chlorobenzene
Concen: 5.040 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Tgt Ion:112 Resp: 34249
Ion Ratio Lower Upper
112 100
114 28.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 4.981 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

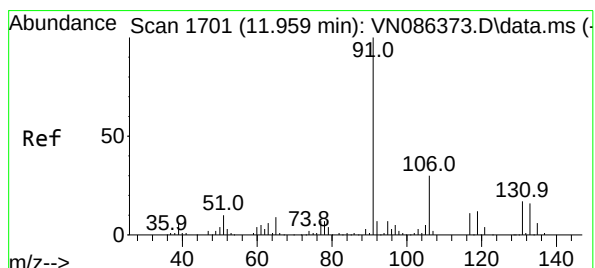
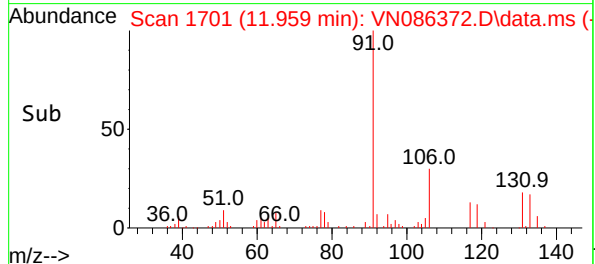
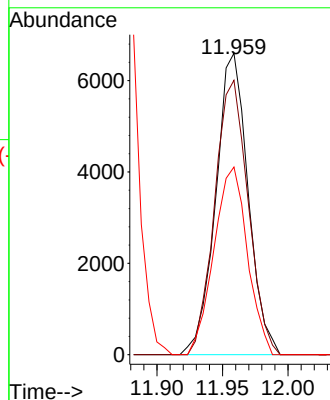
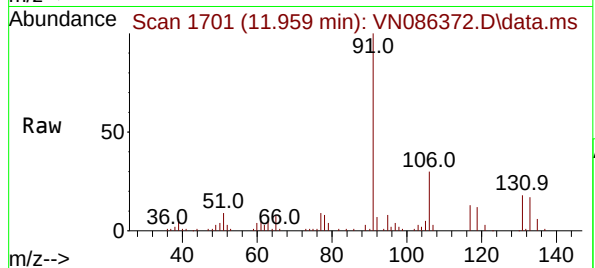
Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	0.0	191.4
119	64.4	0.0	133.6

Manual Integrations
APPROVEDReviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#66

Ethyl Benzene

Concen: 4.909 ug/l

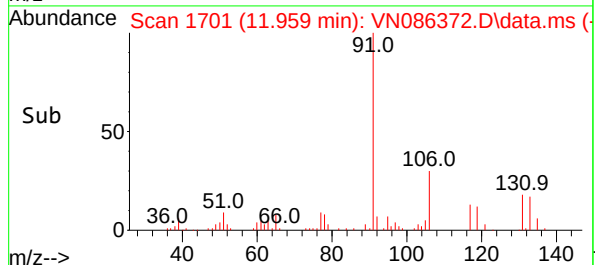
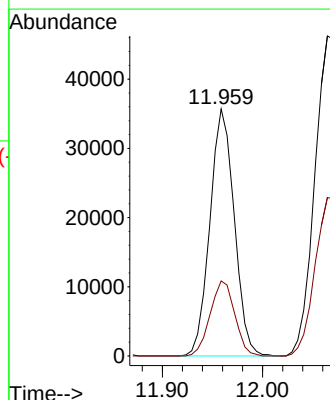
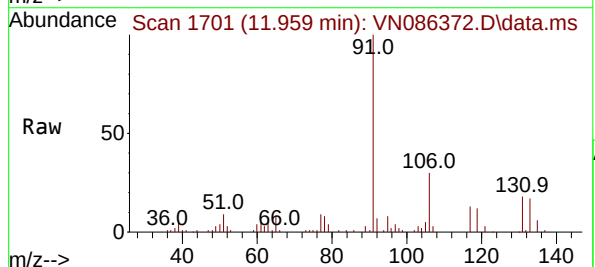
RT: 11.959 min Scan# 1701

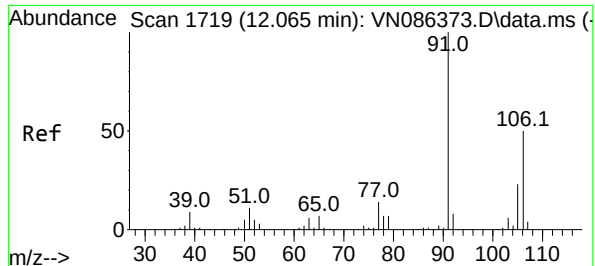
Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5





#67
m/p-Xylenes
Concen: 9.904 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

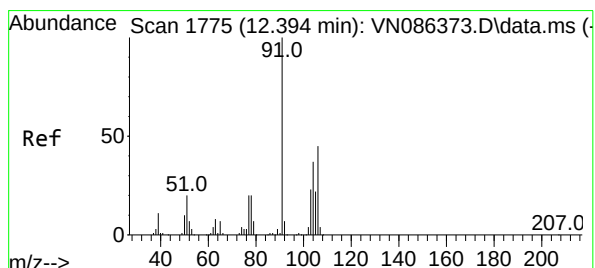
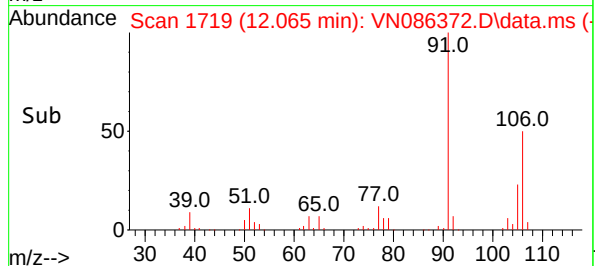
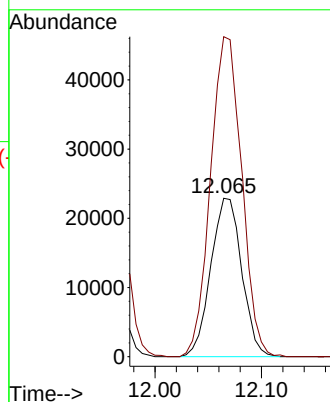
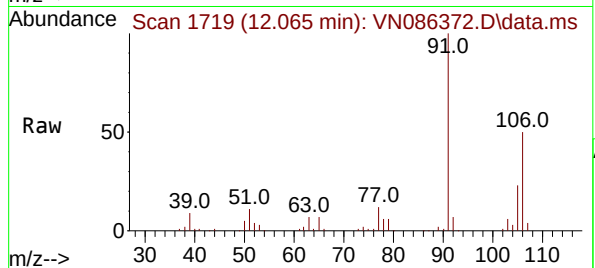
Tgt Ion:106 Resp: 4613
Ion Ratio Lower Upper
106 100
91 203.8 162.6 243.8

Manual Integrations
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Reviewed By :John
Carlone

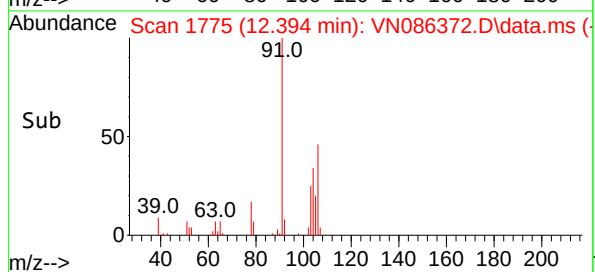
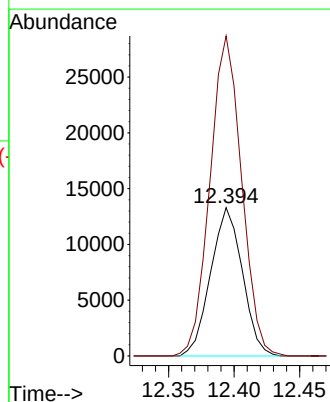
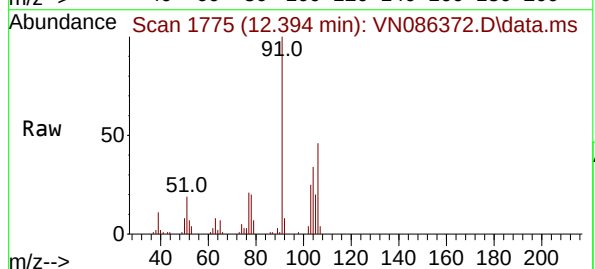
04/24/2025
Supervised By :Mahesh
Dadoda

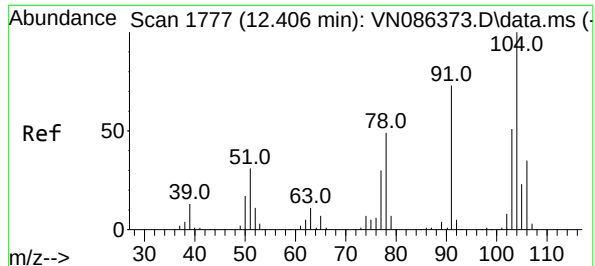
04/25/2025



#68
o-Xylene
Concen: 4.915 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Tgt Ion:106 Resp: 22418
Ion Ratio Lower Upper
106 100
91 214.7 110.6 331.6





#69

Styrene

Concen: 4.570 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:104	Resp:	35329
Ion Ratio	Lower	Upper
104	100	
78	49.5	40.2 60.4
103	57.1	43.8 65.8

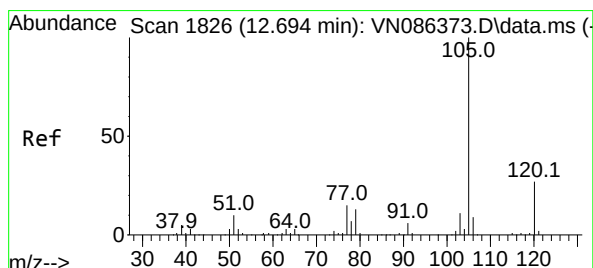
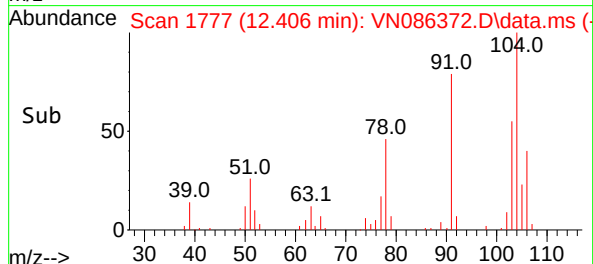
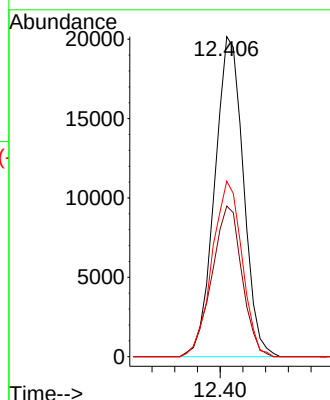
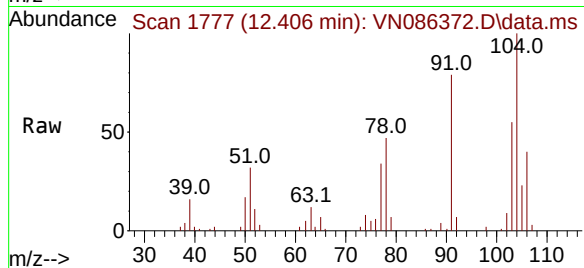
Manual Integrations
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#70

Isopropylbenzene

Concen: 4.764 ug/l

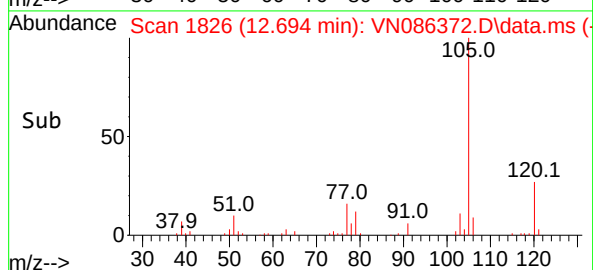
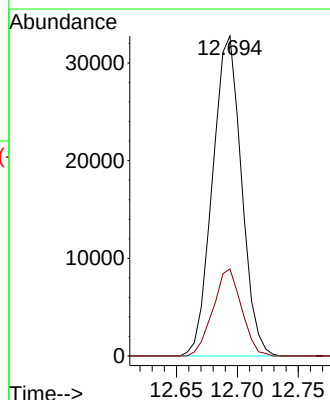
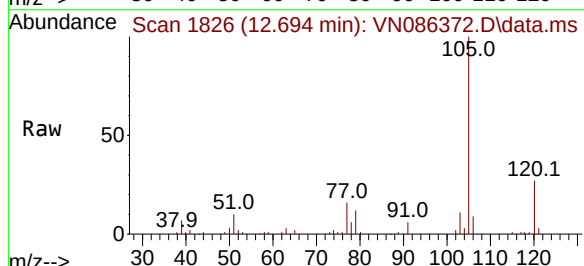
RT: 12.694 min Scan# 1826

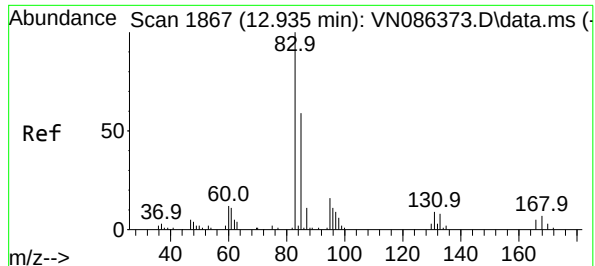
Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

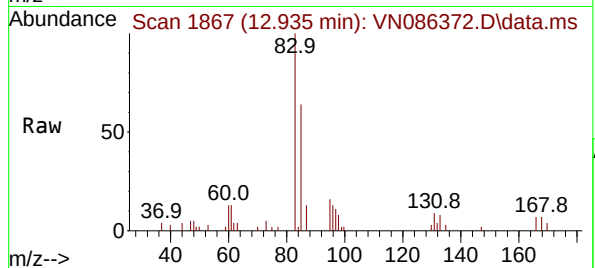
Tgt Ion:105	Resp:	54240
Ion Ratio	Lower	Upper
105	100	
120	26.8	18.2 33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 5.087 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005



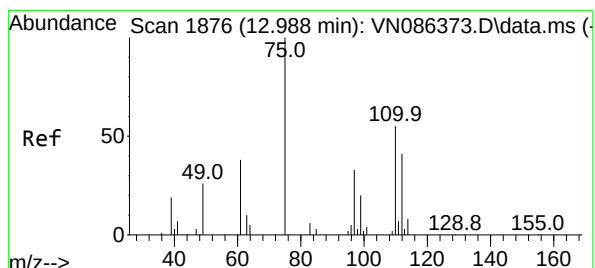
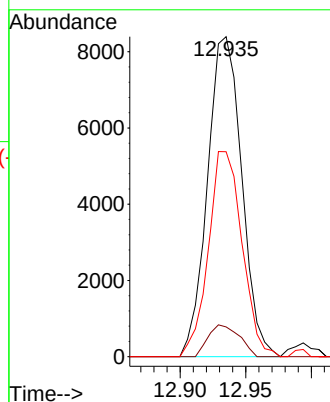
Tgt Ion: 83 Resp: 15250
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.7
85 63.1 31.7 95.1

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Reviewed By :John
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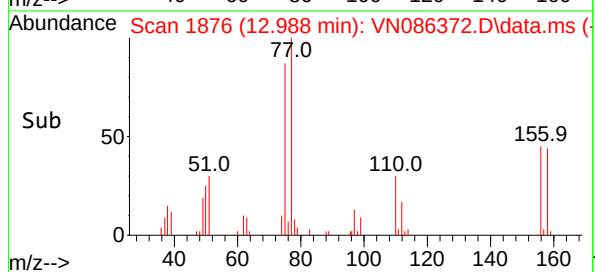
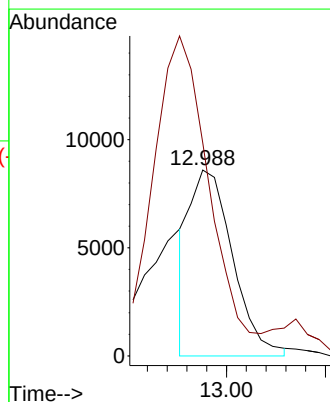
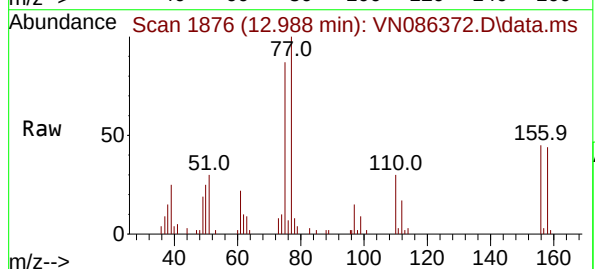
04/24/2025
Supervised By :Mahesh
Dadoda

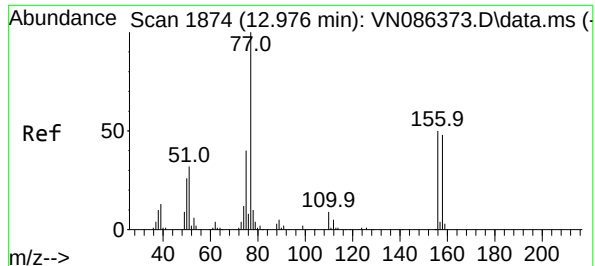
04/25/2025



#72
1,2,3-Trichloropropane
Concen: 4.993 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

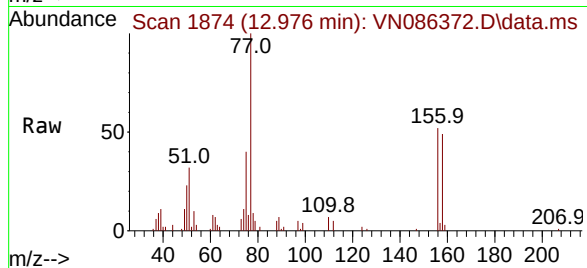
Tgt Ion: 75 Resp: 12969
Ion Ratio Lower Upper
75 100
77 229.4 0.0 464.4





#73
Bromobenzene
Concen: 4.807 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



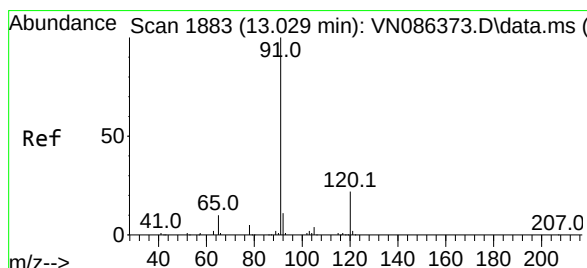
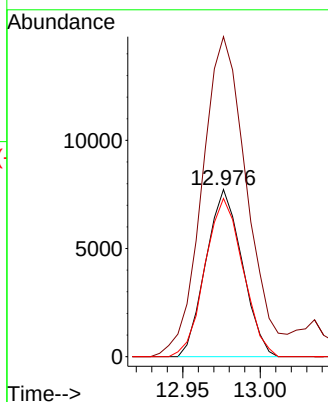
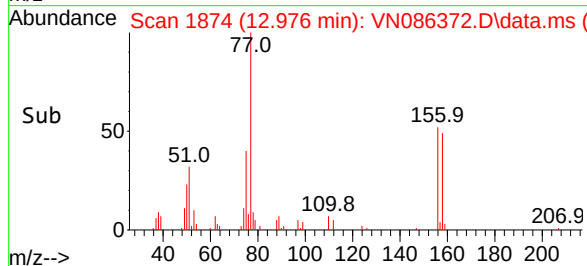
Tgt Ion: 156 Resp: 1258
Ion Ratio Lower Upper
156 100
77 236.5 0.0 463.4
158 98.7 0.0 191.8

Manual Integrations
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Reviewed By :John
Carlone

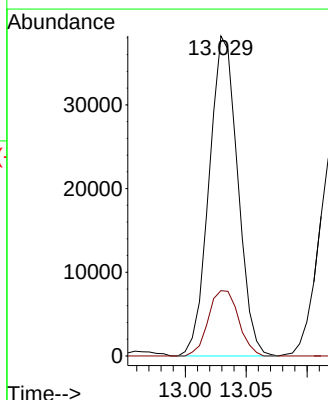
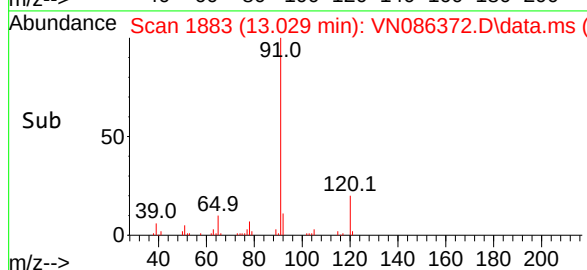
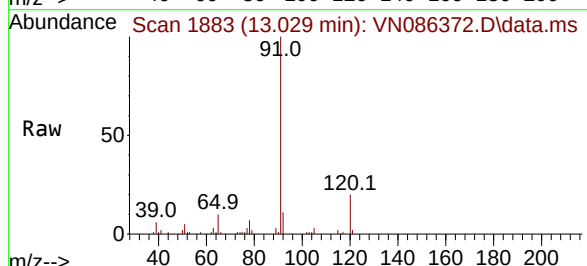
04/24/2025
Supervised By :Mahesh
Dadoda

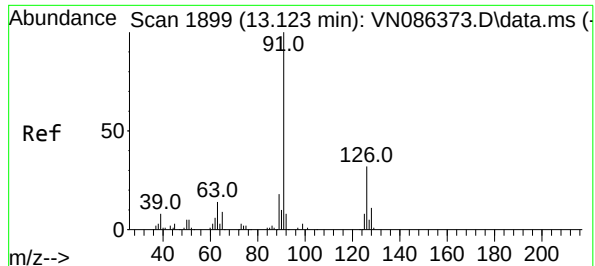
04/25/2025



#74
n-propylbenzene
Concen: 4.630 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Tgt Ion: 91 Resp: 62642
Ion Ratio Lower Upper
91 100
120 21.5 0.0 43.8





#75
2-Chlorotoluene
Concen: 4.856 ug/l
RT: 13.117 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

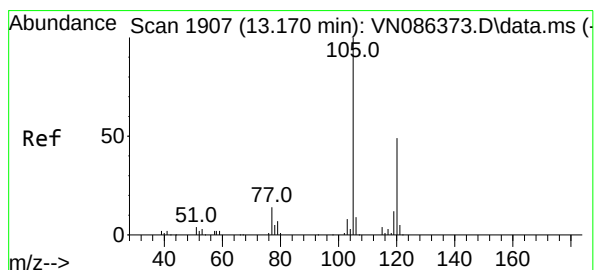
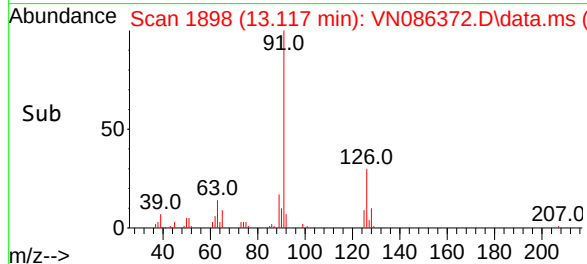
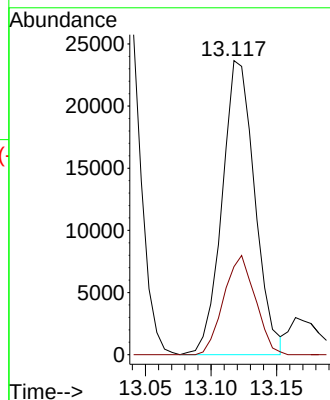
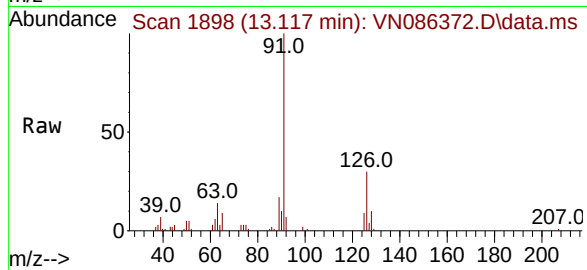
Tgt Ion: 91 Resp: 4101
Ion Ratio Lower Upper
91 100
126 32.5 0.0 65.0

Manual Integrations
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Reviewed By :John
Carlone

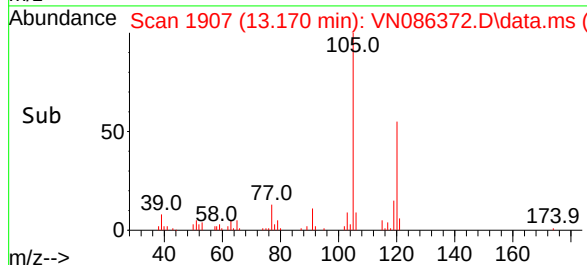
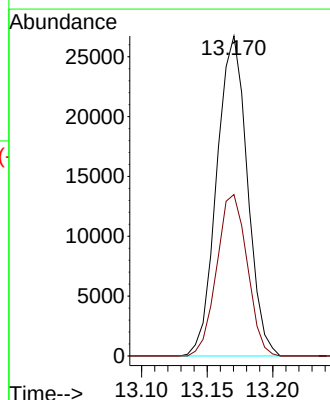
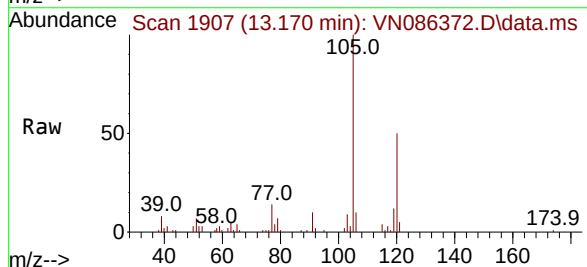
04/24/2025
Supervised By :Mahesh
Dadoda

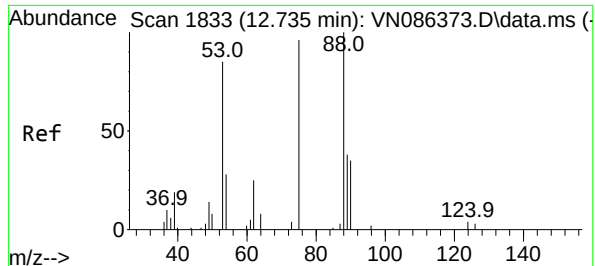
04/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 4.642 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Tgt Ion:105 Resp: 43366
Ion Ratio Lower Upper
105 100
120 50.2 0.0 97.6





#77
t-1,4-Dichloro-2-butene
Concen: 4.624 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

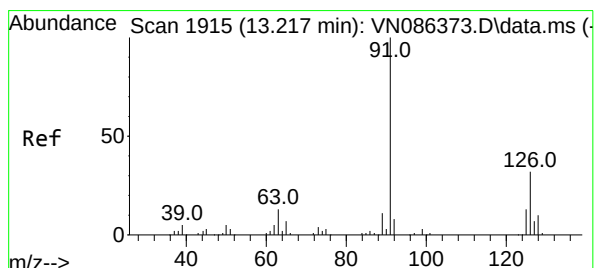
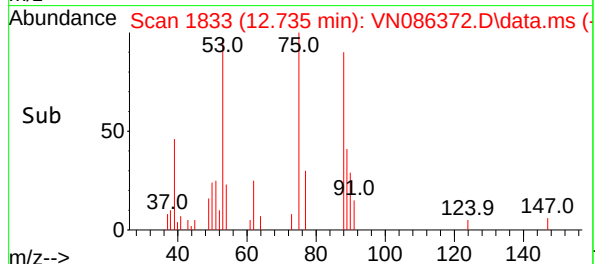
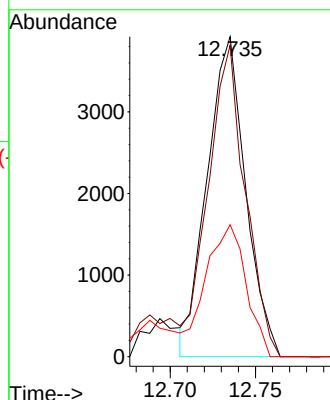
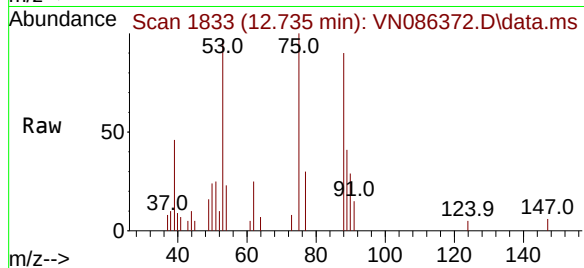
Tgt Ion: 75 Resp: 613
Ion Ratio Lower Upper
75 100
53 97.4 46.0 138.0
89 41.2 21.6 64.6

Manual Integrations
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Reviewed By :John
Carlone

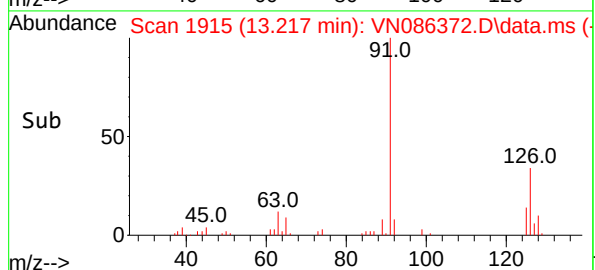
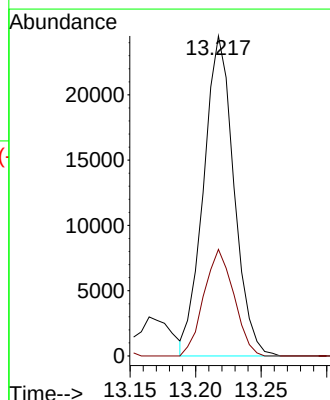
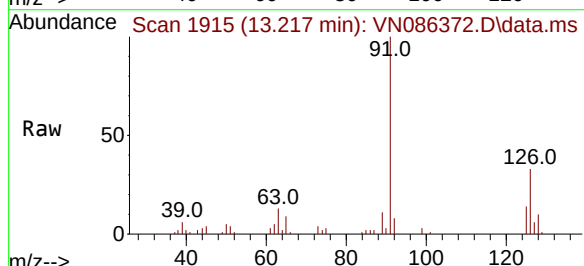
04/24/2025
Supervised By :Mahesh
Dadoda

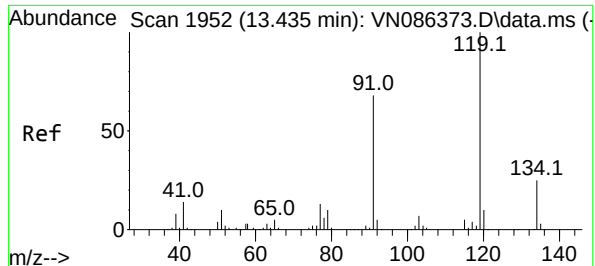
04/25/2025



#78
4-Chlorotoluene
Concen: 4.685 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Tgt Ion: 91 Resp: 39565
Ion Ratio Lower Upper
91 100
126 32.8 0.0 65.4





#79

tert-butylbenzene

Concen: 4.814 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

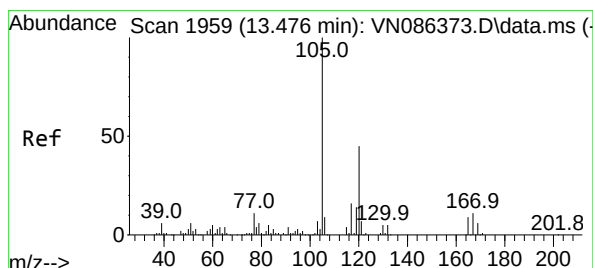
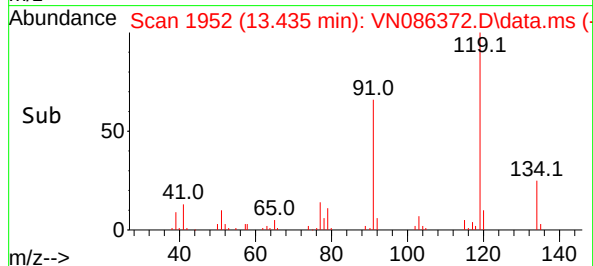
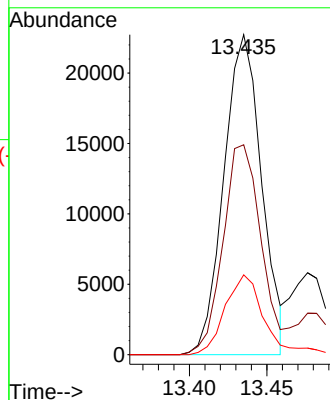
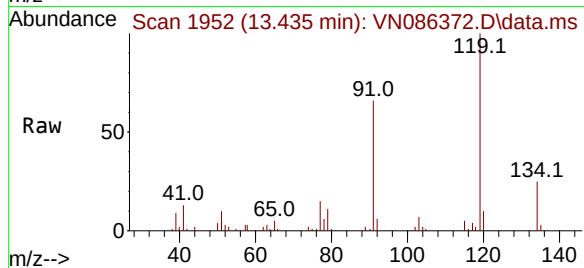
Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.8	0.0	137.4
134	24.9	0.0	49.2

Manual Integrations
APPROVEDReviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#80

1,2,4-Trimethylbenzene

Concen: 4.679 ug/l

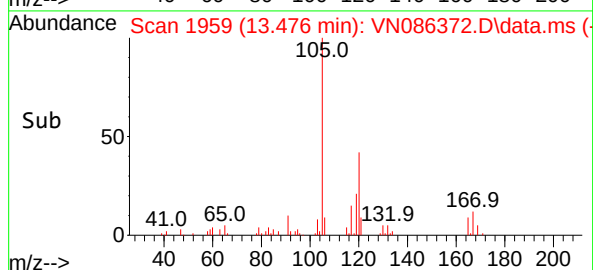
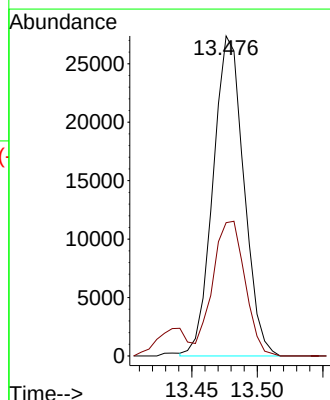
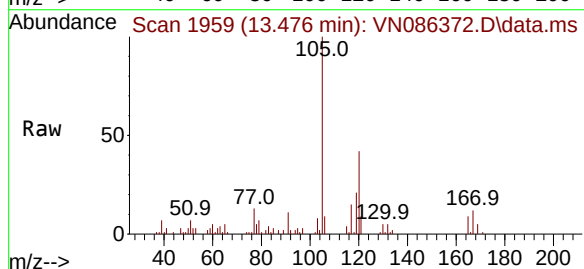
RT: 13.476 min Scan# 1959

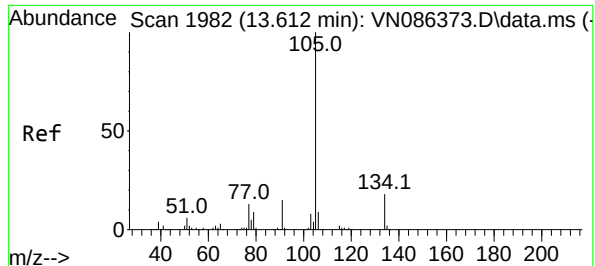
Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	0.0	87.6





#81
sec-Butylbenzene
Concen: 4.745 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

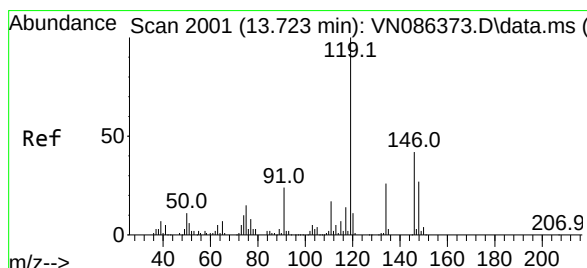
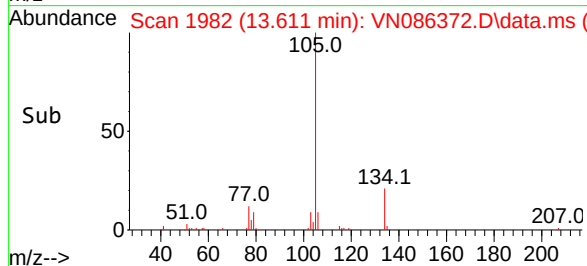
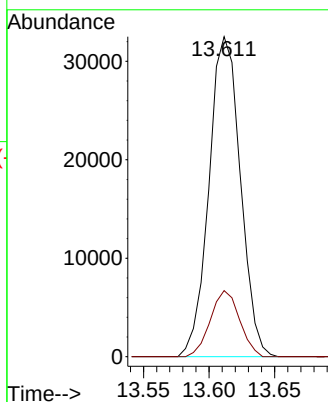
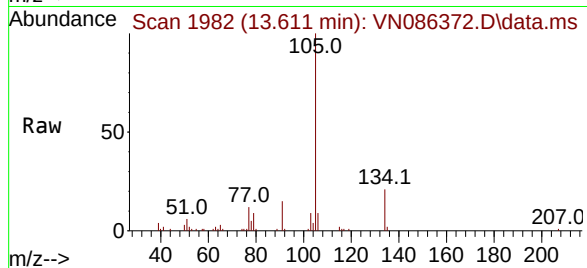
Tgt Ion:105 Resp: 54180
Ion Ratio Lower Upper
105 100
134 19.2 0.0 38.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

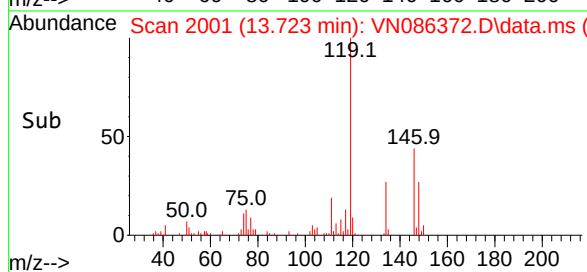
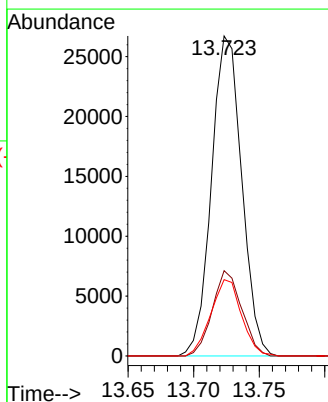
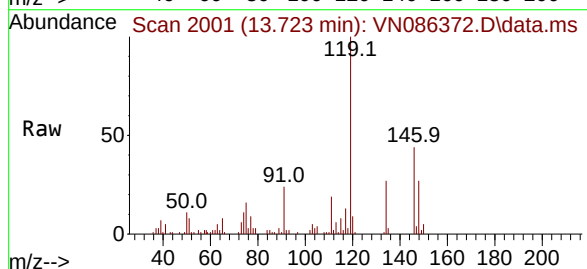
04/24/2025
Supervised By :Mahesh
Dadoda

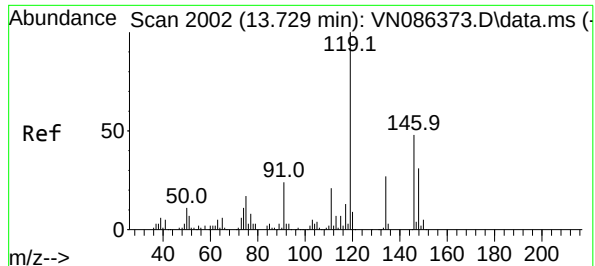
04/25/2025



#82
p-Isopropyltoluene
Concen: 4.486 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Tgt Ion:119 Resp: 42872
Ion Ratio Lower Upper
119 100
134 25.8 0.0 52.2
91 24.2 0.0 47.6





#83

1,3-Dichlorobenzene

Concen: 4.595 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:146	Resp:	2273
Ion Ratio	Lower	Upper
146	100	
111	43.0	20.7 62.1
148	63.6	32.3 96.8

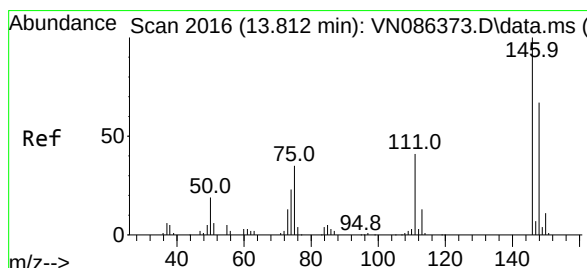
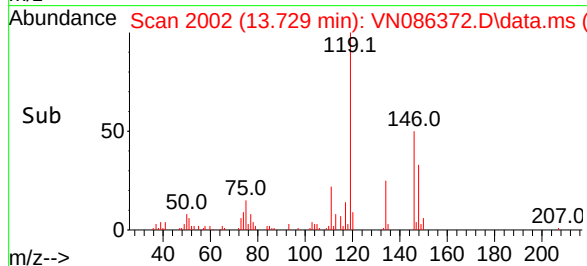
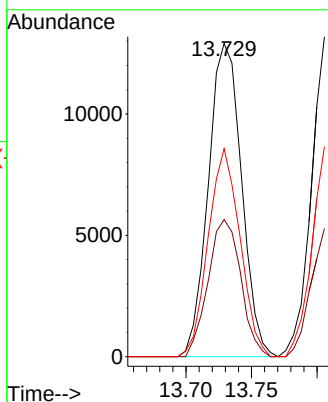
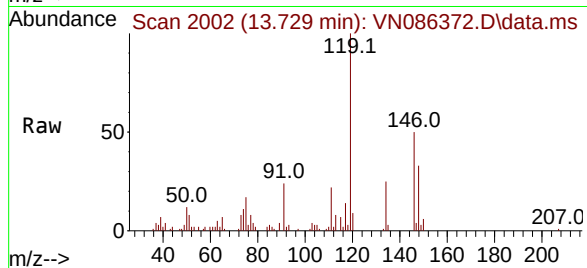
Manual Integrations
APPROVED

Reviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#84

1,4-Dichlorobenzene

Concen: 4.673 ug/l

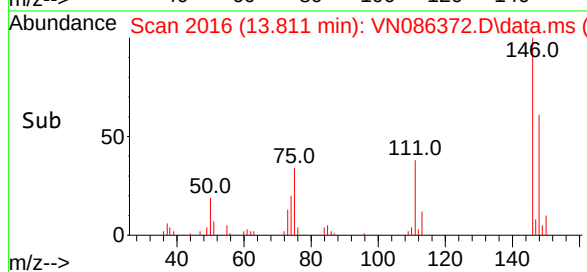
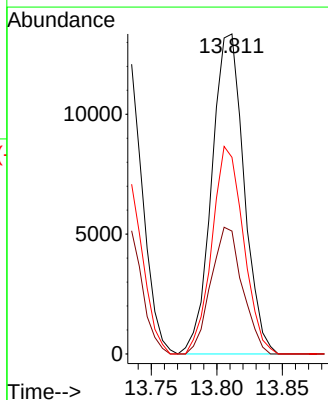
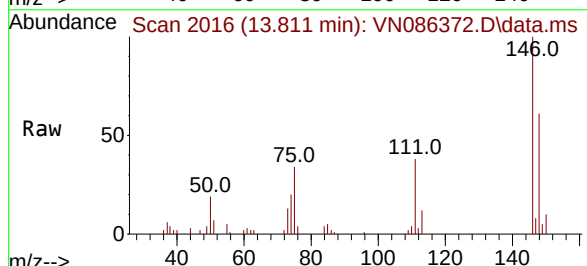
RT: 13.811 min Scan# 2016

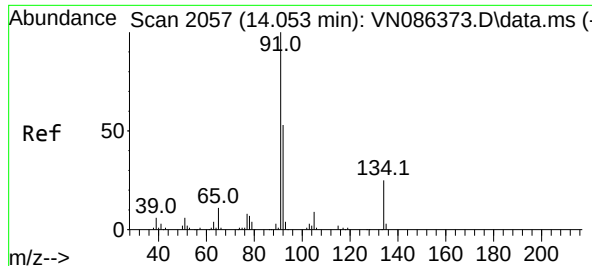
Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Tgt Ion:146	Resp:	22845
Ion Ratio	Lower	Upper
146	100	
111	38.7	20.3 60.8
148	63.6	32.4 97.2





#85

n-Butylbenzene

Concen: 4.377 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

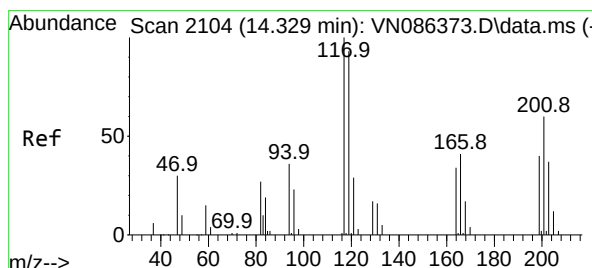
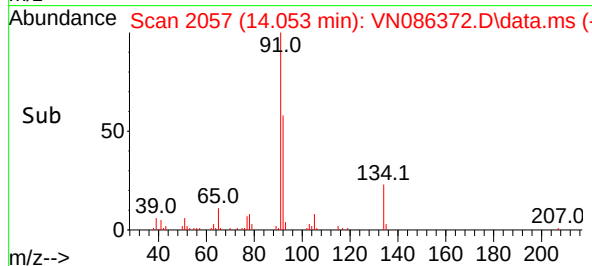
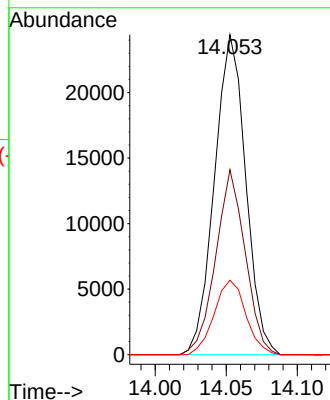
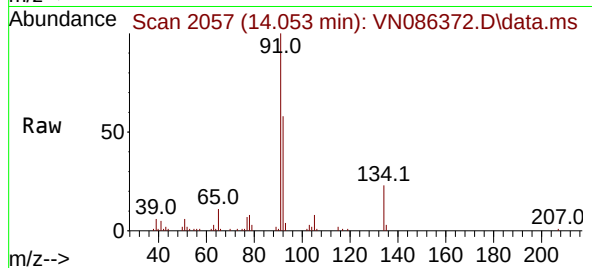
Tgt Ion:	91	Resp:	3732
Ion	Ratio	Lower	Upper
91	100		
92	54.7	0.0	107.2
134	23.6	0.0	48.2

Manual Integrations
APPROVEDReviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#86

Hexachloroethane

Concen: 4.512 ug/l

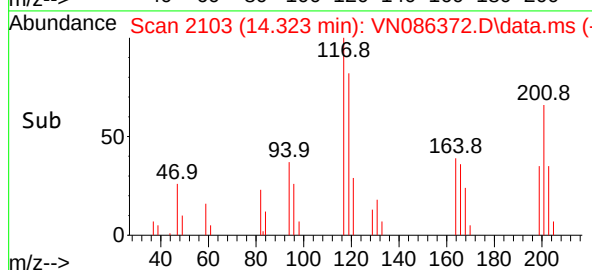
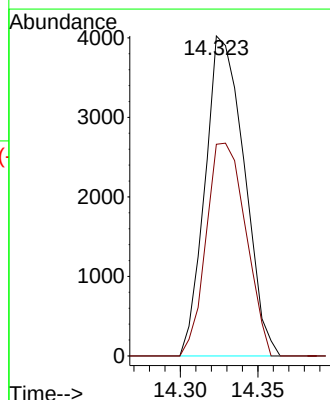
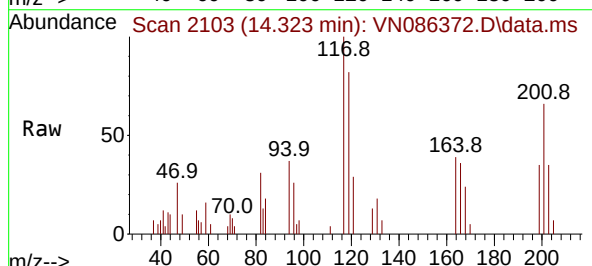
RT: 14.323 min Scan# 2103

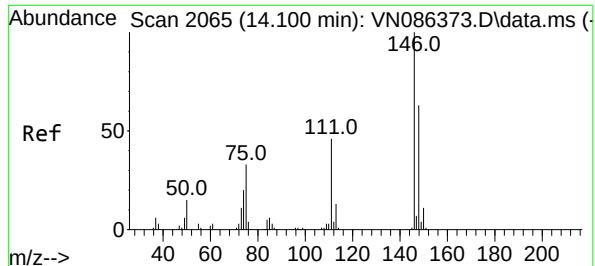
Delta R.T. -0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Tgt Ion:	117	Resp:	7050
Ion	Ratio	Lower	Upper
117	100		
201	67.4	31.7	95.1





#87

1,2-Dichlorobenzene

Concen: 4.788 ug/l

RT: 14.106 min Scan# 2065

Delta R.T. 0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

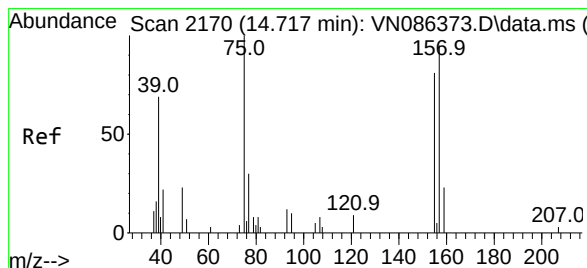
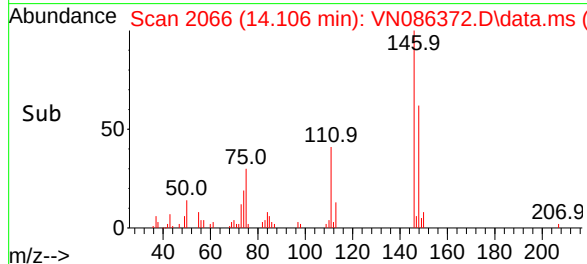
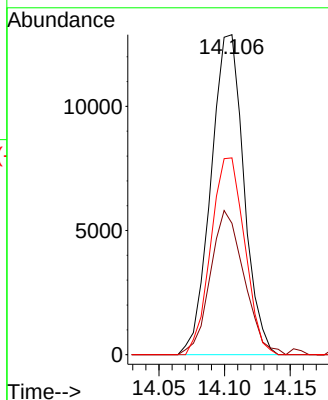
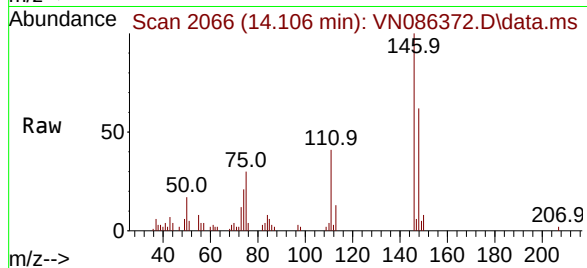
Tgt Ion:	146	Resp:	2254
Ion Ratio	Lower	Upper	
146	100		
111	46.1	22.1	66.3
148	63.0	32.0	96.0

Manual Integrations
APPROVEDReviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 4.909 ug/l

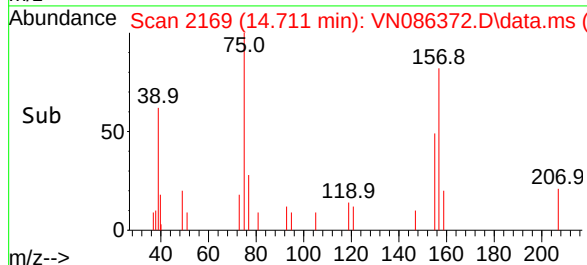
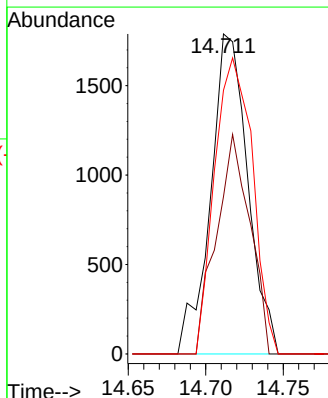
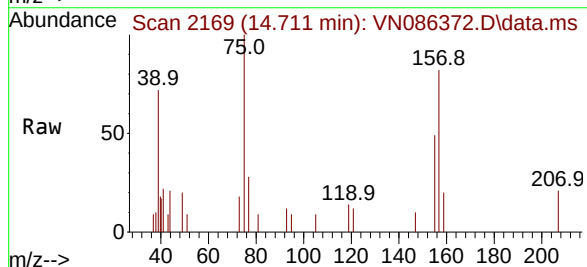
RT: 14.711 min Scan# 2169

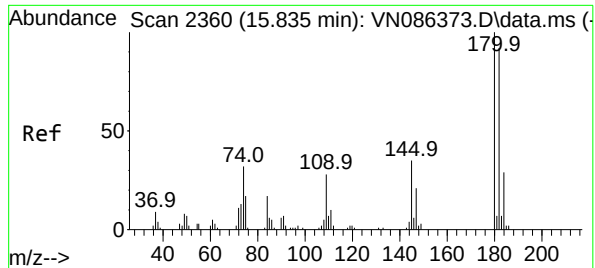
Delta R.T. -0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Tgt Ion:	75	Resp:	2991
Ion Ratio	Lower	Upper	
75	100		
155	62.0	64.0	96.0#
157	94.1	78.2	117.4





#89

1,2,4-Trichlorobenzene

Concen: 4.392 ug/l

RT: 15.829 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

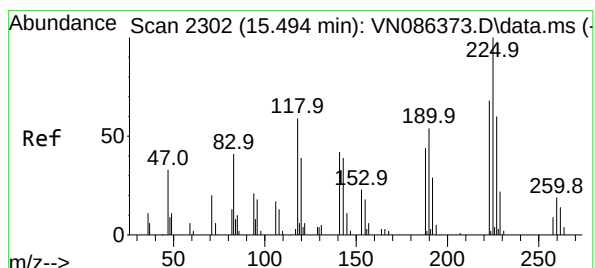
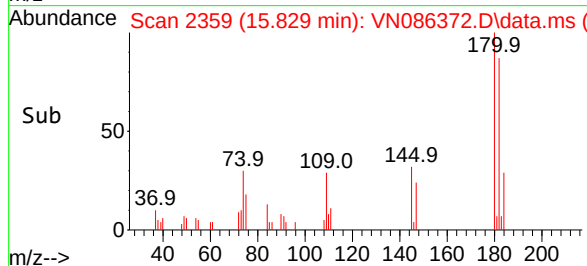
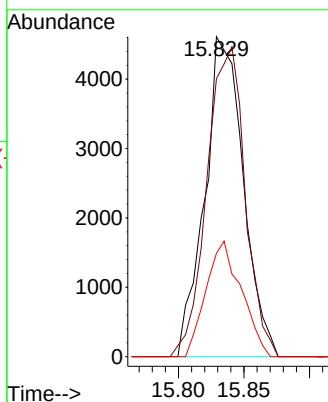
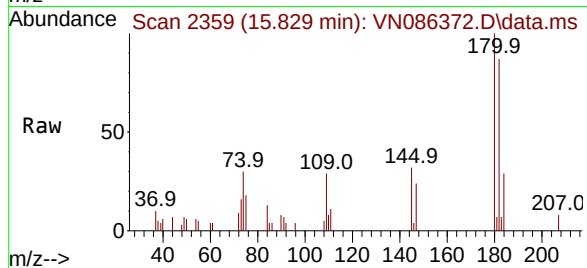
Tgt Ion:	180	Resp:	9424
Ion Ratio	Lower	Upper	
180	100		
182	95.9	74.8	112.2
145	33.2	26.9	40.3

Manual Integrations
APPROVEDReviewed By :John
Carlone

04/24/2025

Supervised By :Mahesh
Dadoda

04/25/2025



#90

Hexachlorobutadiene

Concen: 5.023 ug/l

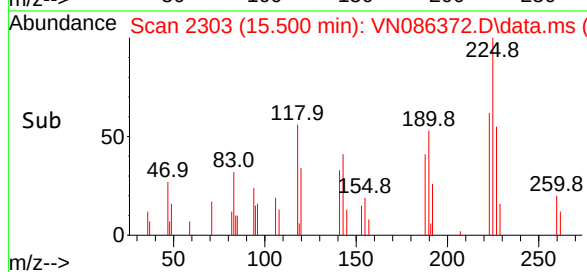
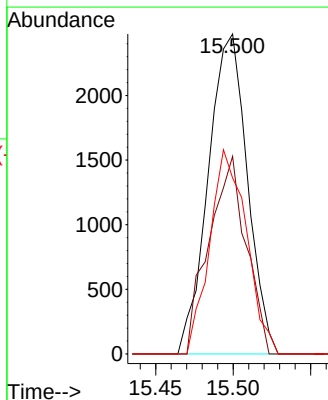
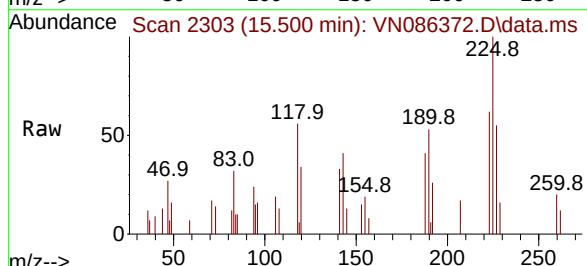
RT: 15.500 min Scan# 2303

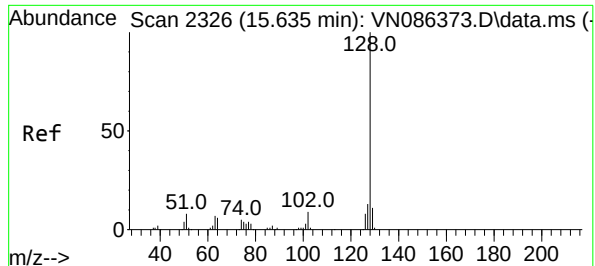
Delta R.T. 0.006 min

Lab File: VN086372.D

Acq: 23 Apr 2025 09:22

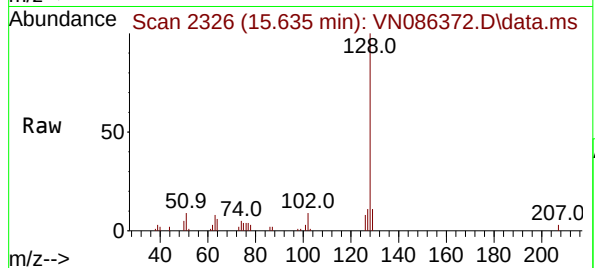
Tgt Ion:	225	Resp:	4341
Ion Ratio	Lower	Upper	
225	100		
223	58.9	0.0	128.8
227	60.0	0.0	120.2





#91
Naphthalene
Concen: 4.306 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005



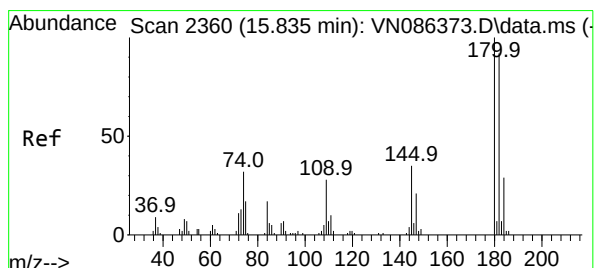
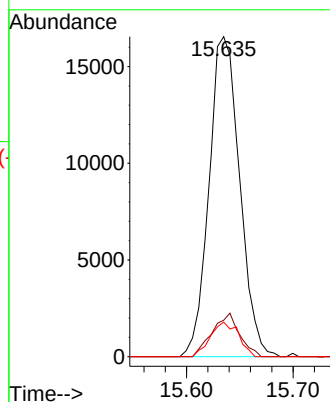
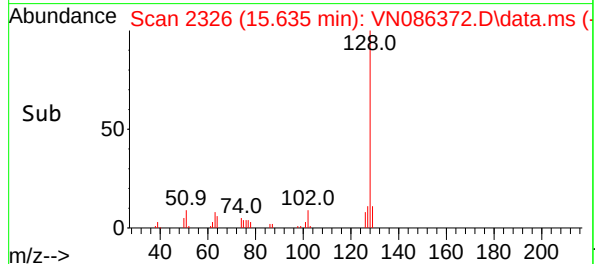
Tgt Ion:128 Resp: 33080
Ion Ratio Lower Upper
128 100
127 12.1 10.6 15.8
129 9.9 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John
Carlone

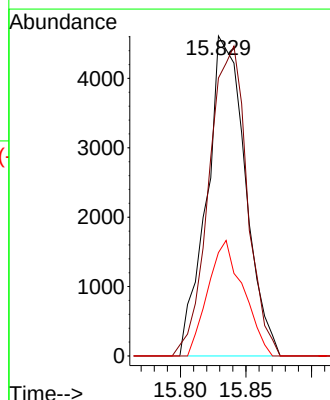
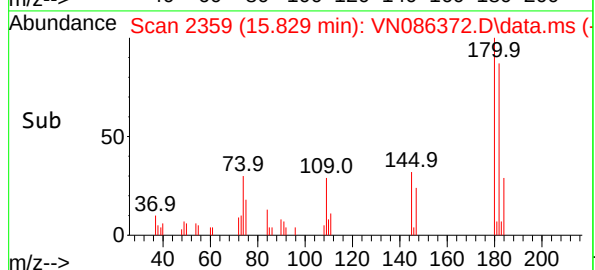
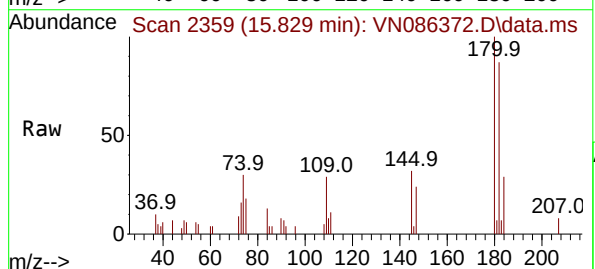
04/24/2025
Supervised By :Mahesh
Dadoda

04/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 4.392 ug/l
RT: 15.829 min Scan# 2359
Delta R.T. -0.006 min
Lab File: VN086372.D
Acq: 23 Apr 2025 09:22

Tgt Ion:180 Resp: 9424
Ion Ratio Lower Upper
180 100
182 95.9 0.0 187.0
145 33.2 0.0 67.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086373.D
 Acq On : 23 Apr 2025 09:45
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:21:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 03:57:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	28897	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	176907	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	163017	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	86075	30.895	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.000%			
60) 4-Bromofluorobenzene	12.847	95	94119	29.376	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.933%			
63) Toluene-d8	10.559	98	270583	30.171	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.567%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	40965	20.534	ug/l	100
3) Chloromethane	2.365	50	55943	19.741	ug/l	100
4) Vinyl Chloride	2.518	62	54265	19.993	ug/l	100
5) Bromomethane	2.965	94	28909	20.401	ug/l	100
6) Chloroethane	3.124	64	36185	19.998	ug/l	100
7) Trichlorofluoromethane	3.500	101	65562	20.464	ug/l	100
8) Diethyl Ether	3.959	74	26673	19.723	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	39448	20.028	ug/l	100
10) 1,1-Dichloroethene	4.342	96	40368	20.024	ug/l	100
11) Methyl Iodide	4.595	142	46703	19.800	ug/l	100
12) Methyl Acetate	5.018	43	57880	20.256	ug/l	100
13) Acrolein	4.177	56	12298m	83.896	ug/l	
14) Acrylonitrile	5.712	53	106580	100.220	ug/l	100
15) Acetone	4.424	58	26827	91.547	ug/l	100
16) Carbon Disulfide	4.712	76	107956	20.323	ug/l	100
17) Allyl chloride	5.024	41	62671	19.442	ug/l	100
18) Methylene Chloride	5.277	84	45816	19.957	ug/l	100
19) trans-1,2-Dichloroethene	5.783	96	42390	19.728	ug/l	100
20) Diisopropyl ether	6.671	45	150643	19.655	ug/l	100
21) 1,1-Dichloroethane	6.565	63	83307	19.857	ug/l	100
22) cis-1,2-Dichloroethene	7.483	96	52755	19.635	ug/l	100
23) tert-Butyl Alcohol	5.512	59	43778	106.266	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	148542	19.943	ug/l	100
25) Chloroform	7.965	83	85942	20.241	ug/l	100
26) Cyclohexane	8.253	56	72755	19.641	ug/l #	100
29) 1,1-Dichloropropene	8.365	75	59648	19.126	ug/l	100
30) 2-Butanone	7.477	43	145888	96.376	ug/l	100
31) 2,2-Dichloropropane	7.488	77	77657	19.370	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	72334	19.409	ug/l	100
33) Carbon Tetrachloride	8.359	117	59965	19.546	ug/l	100
34) Benzene	8.600	78	192789	19.435	ug/l	100
35) Methacrylonitrile	7.777	41	35245	20.411	ug/l	100
36) 1,2-Dichloroethane	8.665	62	62808	19.502	ug/l	100
37) Trichloroethene	9.347	130	46850	18.866	ug/l	100
38) Methylcyclohexane	9.600	83	69428	19.275	ug/l	100
39) 1,2-Dichloropropane	9.618	63	47394	19.340	ug/l	100
40) Dibromomethane	9.706	93	32116	19.597	ug/l	100
41) Bromodichloromethane	9.882	83	67347	19.419	ug/l	100
42) Vinyl Acetate	6.600	43	518356	98.852	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086373.D
 Acq On : 23 Apr 2025 09:45
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:21:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 03:57:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	55894	18.658	ug/l	100
44) Isopropyl Acetate	8.682	43	109922	19.334	ug/l	100
45) 1,4-Dioxane	9.694	88	17979	405.300	ug/l	100
46) Methyl methacrylate	9.677	41	50790	19.367	ug/l	100
47) n-amyl Acetate	12.488	43	92290	19.045	ug/l	100
48) t-1,3-Dichloropropene	10.829	75	74180	19.132	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	78337	19.159	ug/l	100
50) 1,1,2-Trichloroethane	11.012	97	45121	19.712	ug/l	100
51) Ethyl methacrylate	10.871	69	76257	19.128	ug/l	100
52) 1,3-Dichloropropane	11.159	76	78642	19.439	ug/l	100
53) Dibromochloromethane	11.353	129	49462	19.243	ug/l	100
54) 1,2-Dibromoethane	11.465	107	45261	19.447	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	182398	97.314	ug/l	100
56) Bromoform	12.576	173	32369	19.406	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	308775	97.881	ug/l	100
59) 2-Hexanone	11.194	43	227878	98.024	ug/l	100
61) Tetrachloroethene	11.100	164	46962	18.888	ug/l	100
62) Toluene	10.629	91	212695	19.492	ug/l	100
64) Chlorobenzene	11.888	112	132119	19.432	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	43742	19.241	ug/l	100
66) Ethyl Benzene	11.959	91	237663	19.350	ug/l	100
67) m/p-Xylenes	12.065	106	179085	38.428	ug/l	100
68) o-Xylene	12.394	106	87377	19.149	ug/l	100
69) Styrene	12.406	104	146815	18.983	ug/l	100
70) Isopropylbenzene	12.694	105	219637	19.283	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	61516	20.511	ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	50447m	19.411	ug/l	
73) Bromobenzene	12.976	156	50559	19.307	ug/l	100
74) n-propylbenzene	13.029	91	256755	18.969	ug/l	100
75) 2-Chlorotoluene	13.123	91	162370	19.217	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	177449	18.987	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	24753	18.653	ug/l	100
78) 4-Chlorotoluene	13.217	91	156935	18.576	ug/l	100
79) tert-butylbenzene	13.435	119	152667	19.073	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	180860	18.949	ug/l	100
81) sec-Butylbenzene	13.612	105	213493	18.686	ug/l	100
82) p-Isopropyltoluene	13.723	119	175002	18.304	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	90643	18.311	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	89707	18.342	ug/l	100
85) n-Butylbenzene	14.053	91	153480	17.991	ug/l	100
86) Hexachloroethane	14.329	117	28629	18.313	ug/l	100
87) 1,2-Dichlorobenzene	14.100	146	86899	18.450	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11084	18.182	ug/l	100
89) 1,2,4-Trichlorobenzene	15.835	180	37802	17.609	ug/l	100
90) Hexachlorobutadiene	15.494	225	15432	17.847	ug/l	100
91) Naphthalene	15.635	128	135497	17.630	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	37802	17.609	ug/l	100

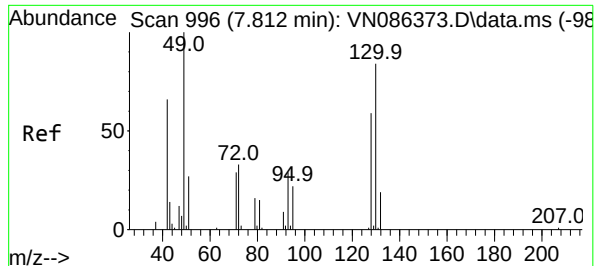
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025





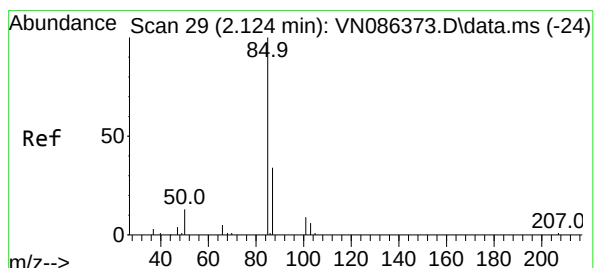
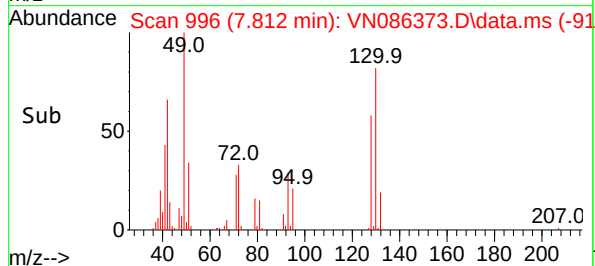
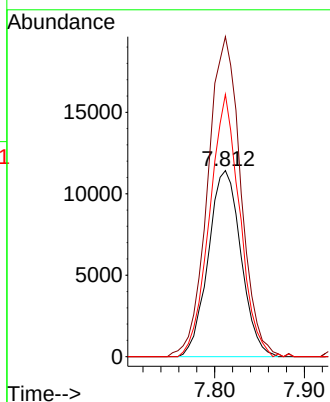
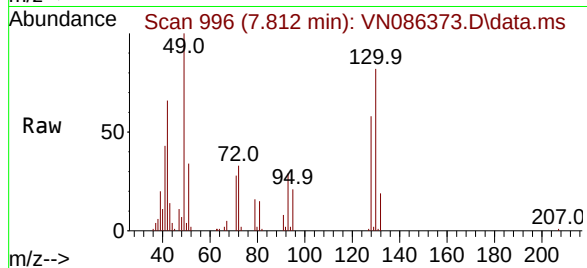
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
128	100		
49	173.5	0.0	433.8
130	130.0	0.0	325.0

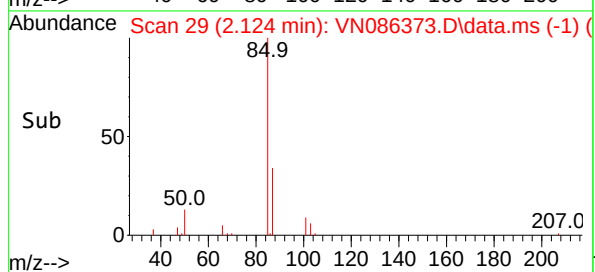
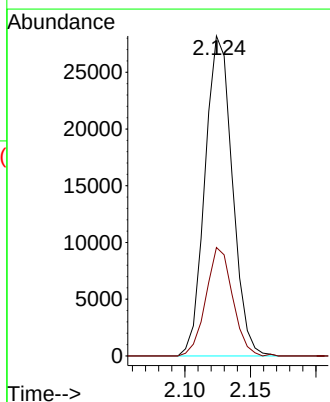
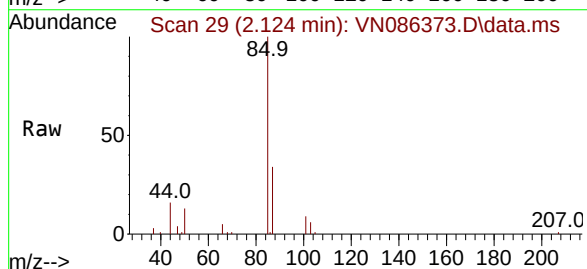
Manual Integrations
APPROVED

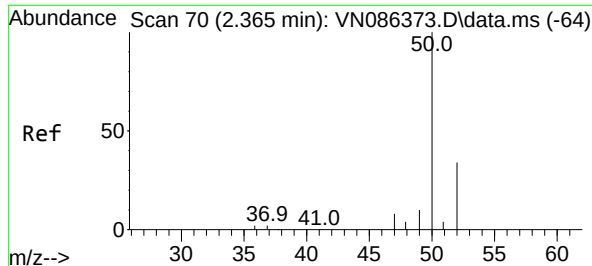
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#2
Dichlorodifluoromethane
Concen: 20.534 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.9	17.0	50.9





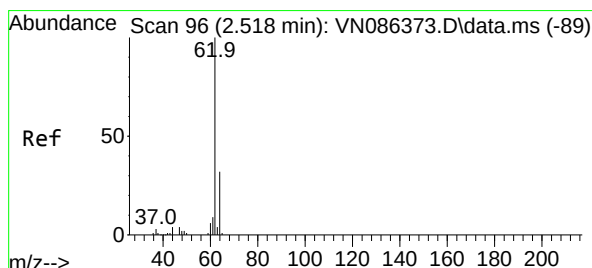
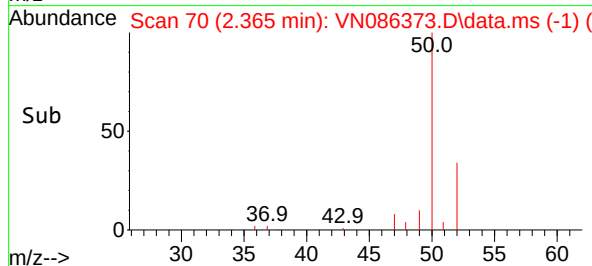
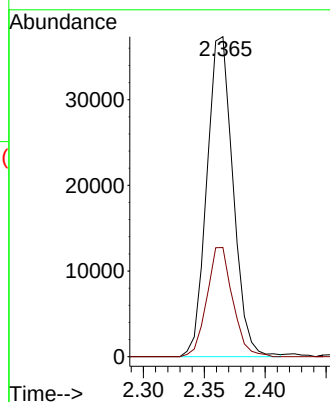
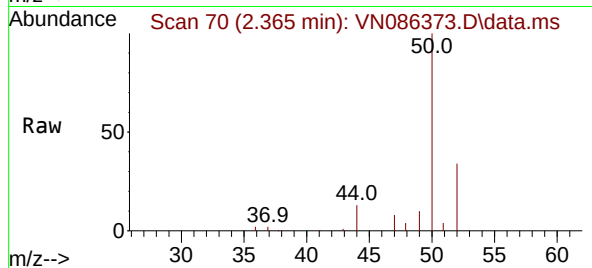
#3
Chloromethane
Concen: 19.741 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 50 Resp: 5594
Ion Ratio Lower Upper
50 100
52 34.1 27.3 40.9

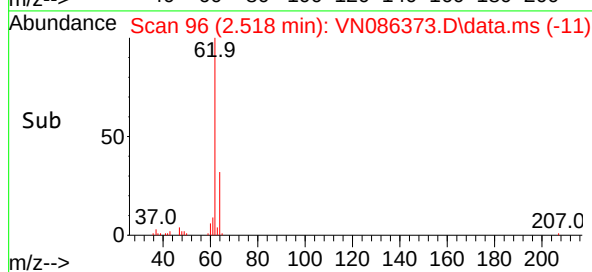
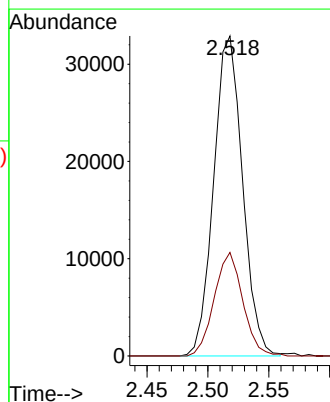
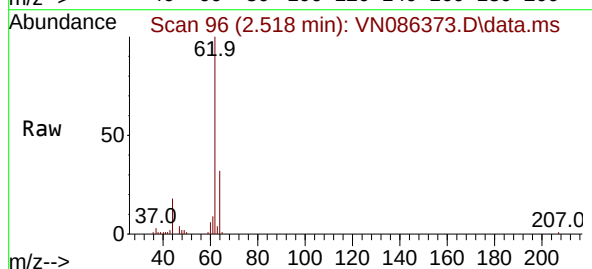
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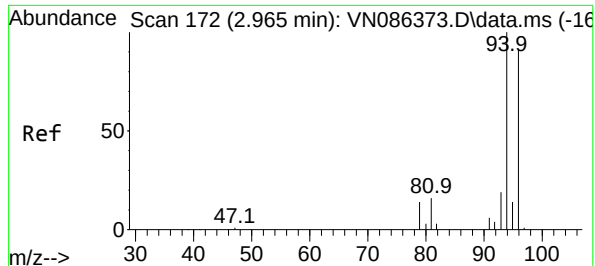
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#4
Vinyl Chloride
Concen: 19.993 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion: 62 Resp: 54265
Ion Ratio Lower Upper
62 100
64 32.3 25.8 38.8





#5

Bromomethane

Concen: 20.401 ug/l

RT: 2.965 min Scan# 172

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 94 Resp: 28909

Ion Ratio Lower Upper

94 100

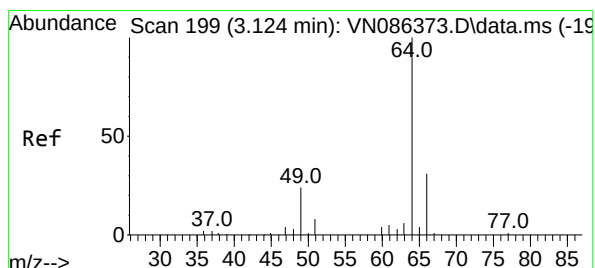
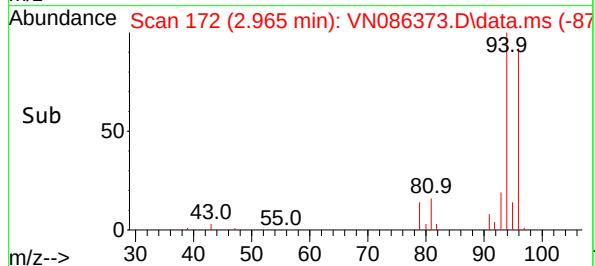
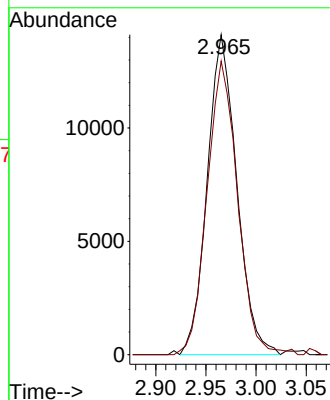
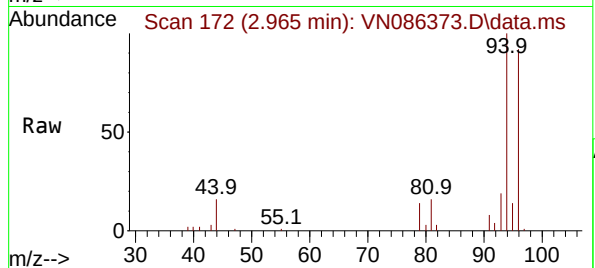
96 90.5 72.4 108.6

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Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#6

Chloroethane

Concen: 19.998 ug/l

RT: 3.124 min Scan# 199

Delta R.T. 0.000 min

Lab File: VN086373.D

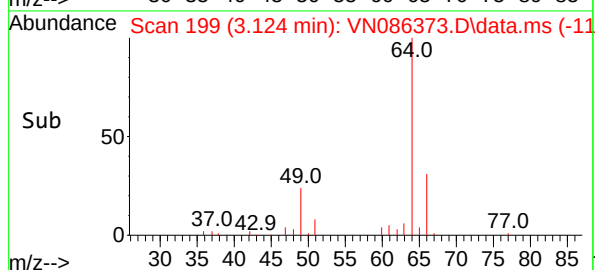
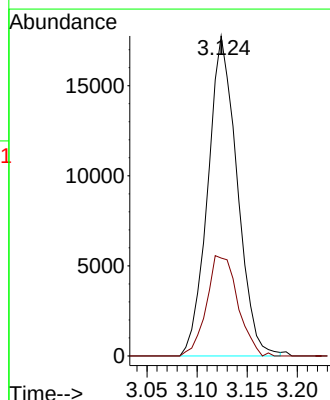
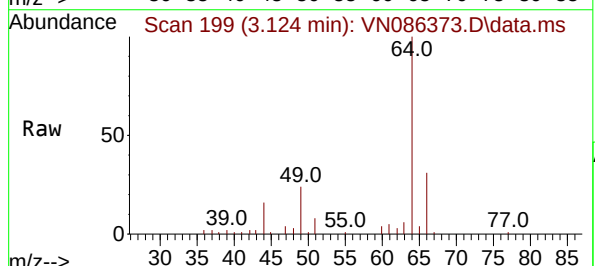
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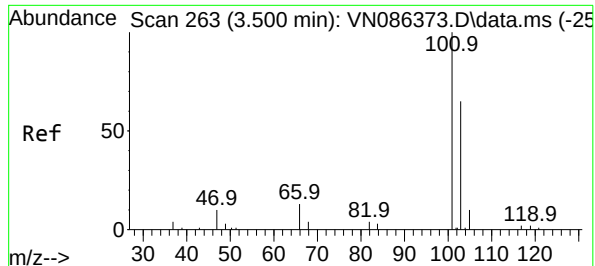
Tgt Ion: 64 Resp: 36185

Ion Ratio Lower Upper

64 100

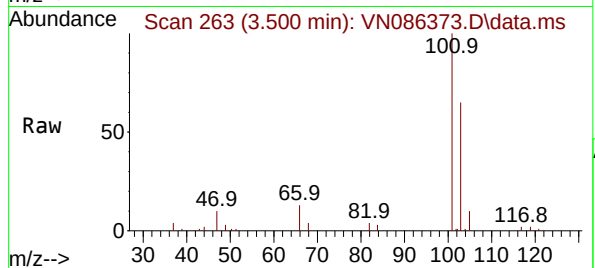
66 30.6 24.5 36.7





#7
Trichlorofluoromethane
Concen: 20.464 ug/l
RT: 3.500 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

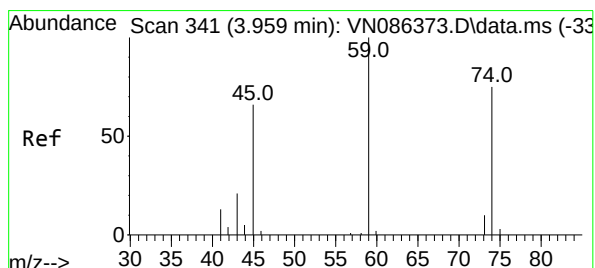
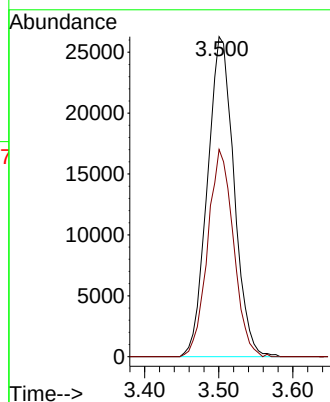
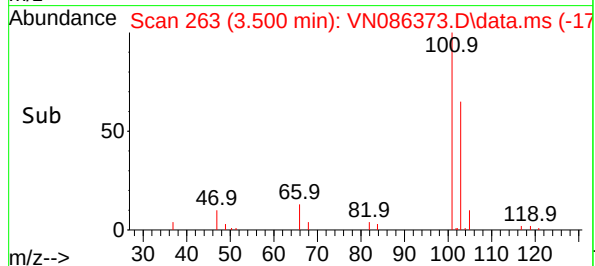
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:101 Resp: 65562
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6

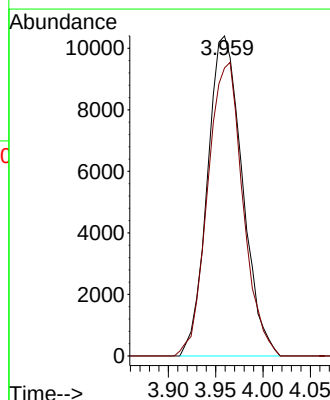
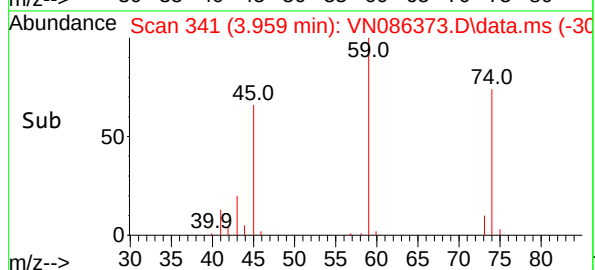
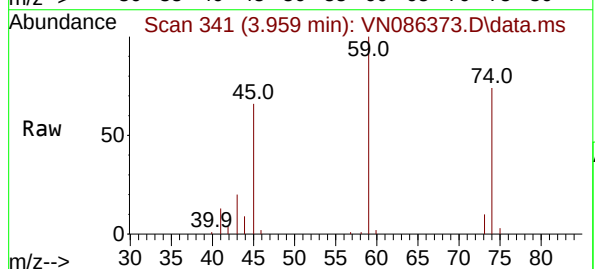
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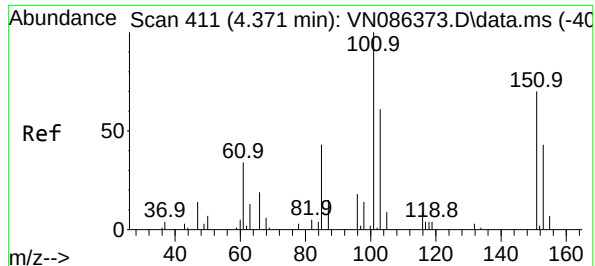
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#8
Diethyl Ether
Concen: 19.723 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion: 74 Resp: 26673
Ion Ratio Lower Upper
74 100
45 92.4 18.5 166.3





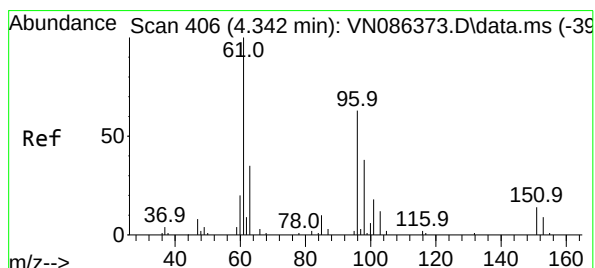
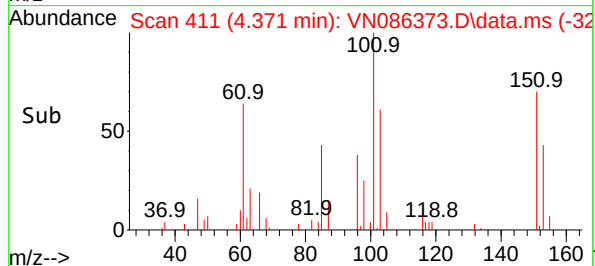
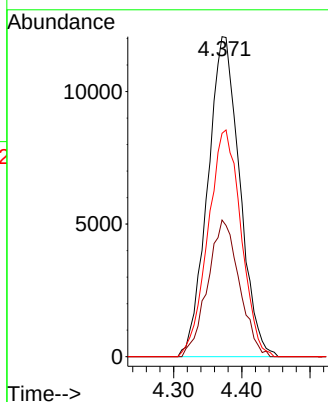
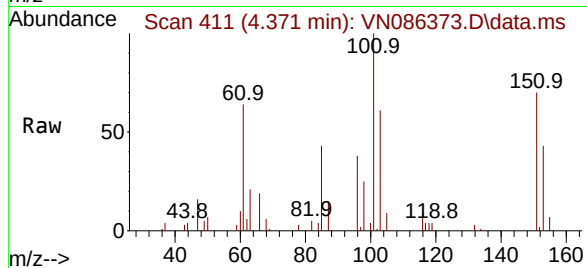
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.028 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 3944
Ion Ratio Lower Upper
101 100
85 42.2 0.0 84.4
151 72.9 0.0 145.8

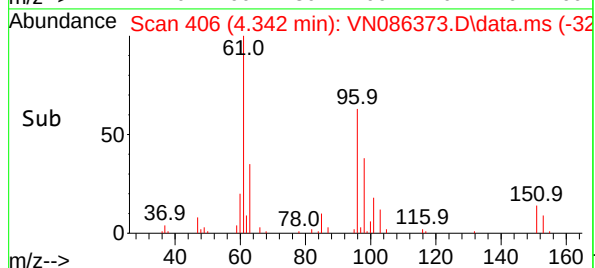
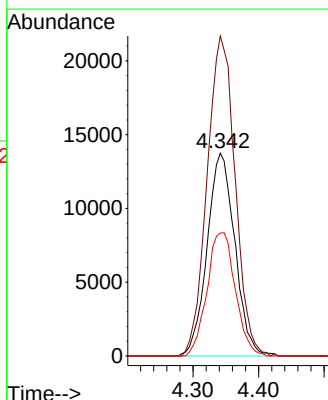
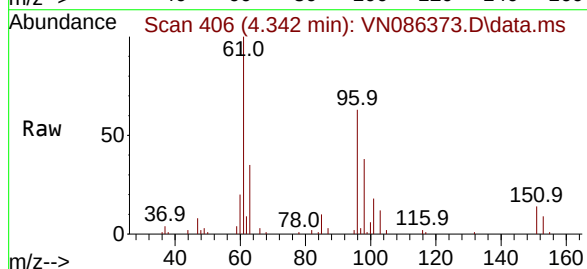
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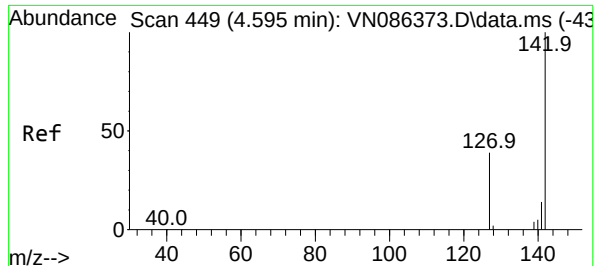
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#10
1,1-Dichloroethene
Concen: 20.024 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion: 96 Resp: 40368
Ion Ratio Lower Upper
96 100
61 157.8 126.2 189.4
98 60.6 48.5 72.7





#11

Methyl Iodide

Concen: 19.800 ug/l

RT: 4.595 min Scan# 449

Delta R.T. 0.000 min

Lab File: VN086373.D

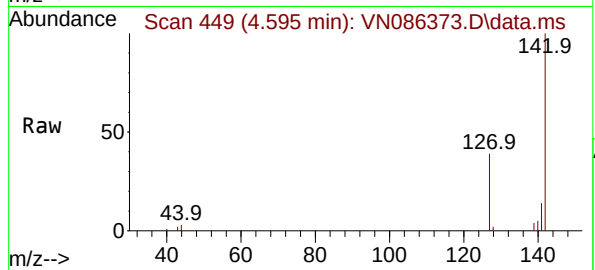
Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020



Tgt Ion:142 Resp: 4670

Ion Ratio Lower Upper

142 100

127 38.6 19.3 57.9

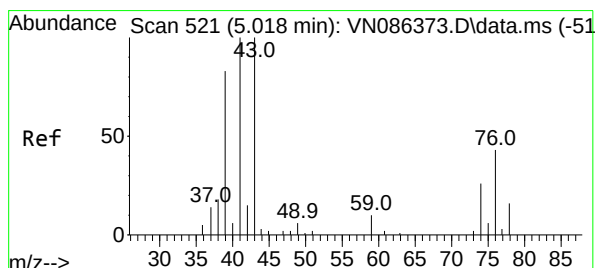
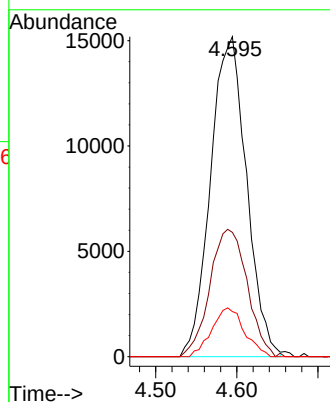
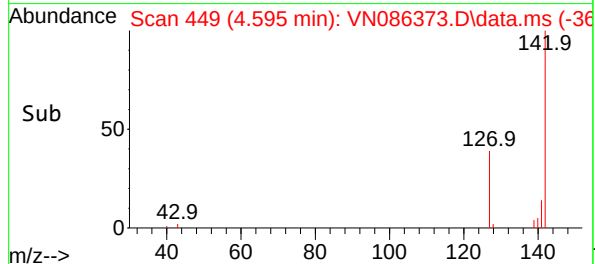
141 14.2 7.1 21.3

Manual Integrations

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Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#12

Methyl Acetate

Concen: 20.256 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN086373.D

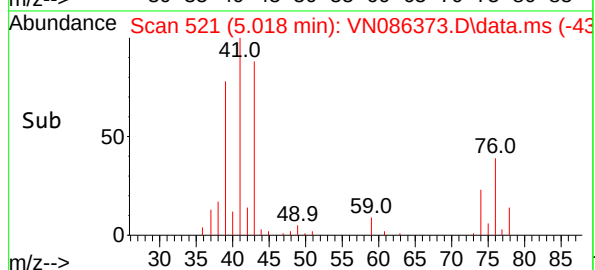
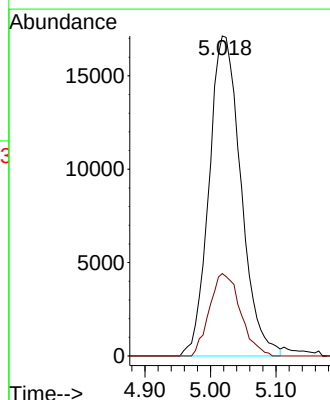
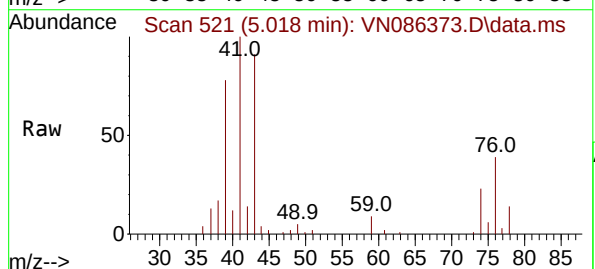
Acq: 23 Apr 2025 09:45

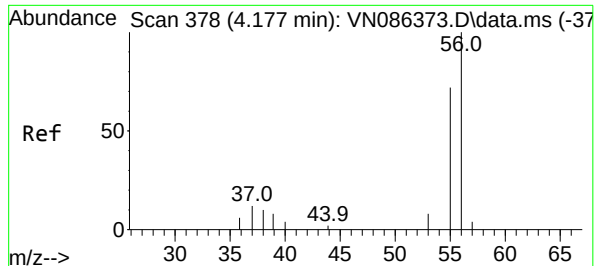
Tgt Ion: 43 Resp: 57880

Ion Ratio Lower Upper

43 100

74 26.0 20.8 31.2





#13

Acrolein

Concen: 83.896 ug/l m

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 56 Resp: 12298

Ion Ratio Lower Upper

56 100

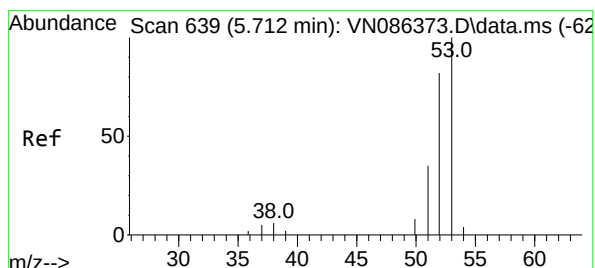
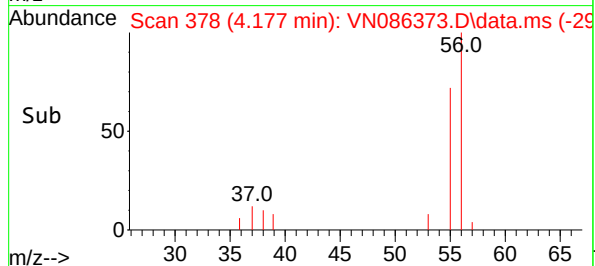
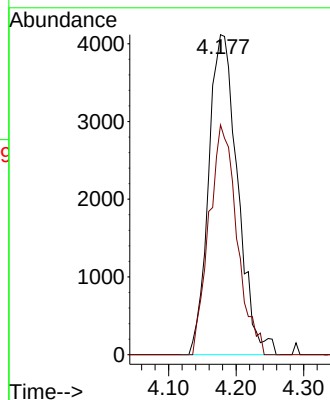
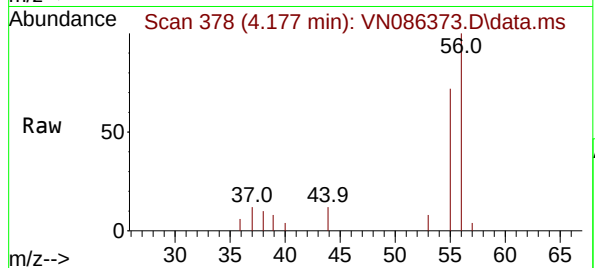
55 68.9 56.1 84.1

Manual Integrations

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Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#14

Acrylonitrile

Concen: 100.220 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

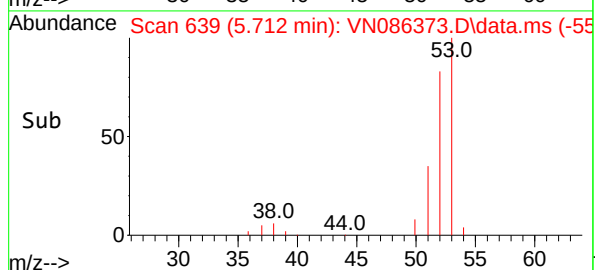
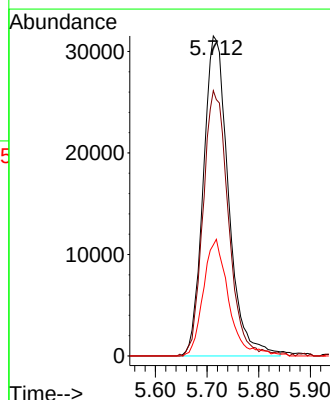
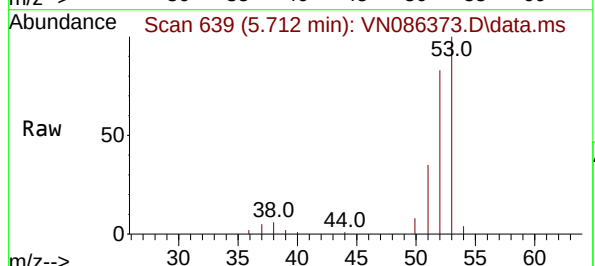
Tgt Ion: 53 Resp: 106580

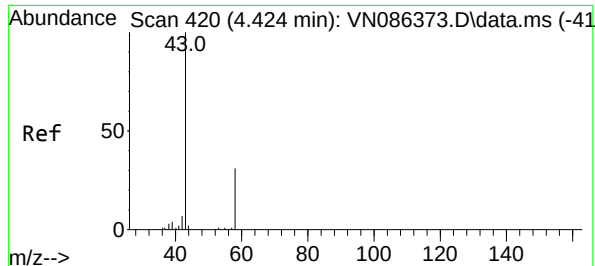
Ion Ratio Lower Upper

53 100

52 82.4 41.2 123.6

51 35.2 17.6 52.8





#15

Acetone

Concen: 91.547 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 58 Resp: 2682

Ion Ratio Lower Upper

58 100

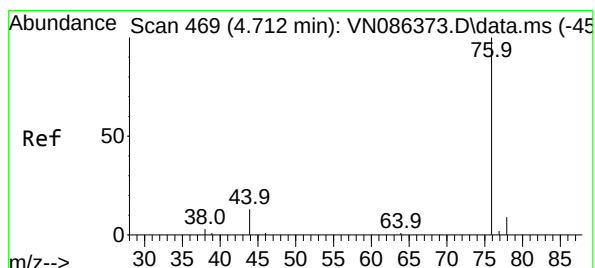
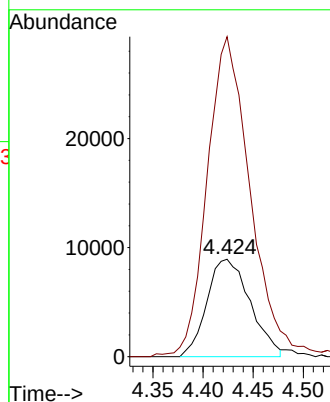
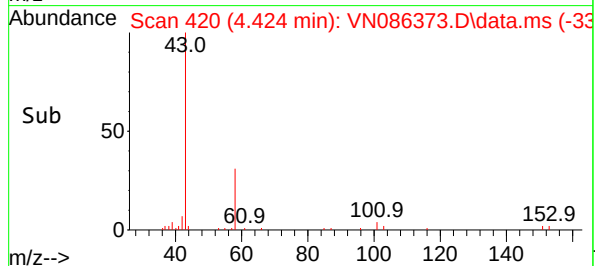
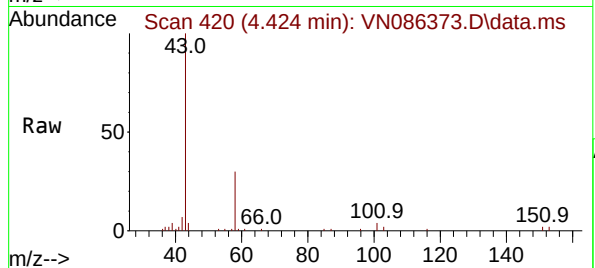
43 318.9 255.1 382.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#16

Carbon Disulfide

Concen: 20.323 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086373.D

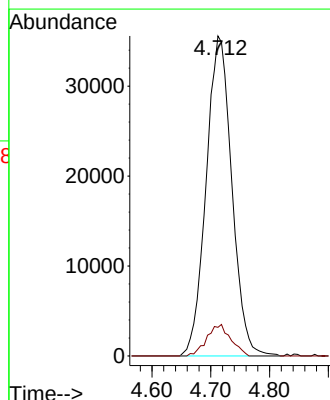
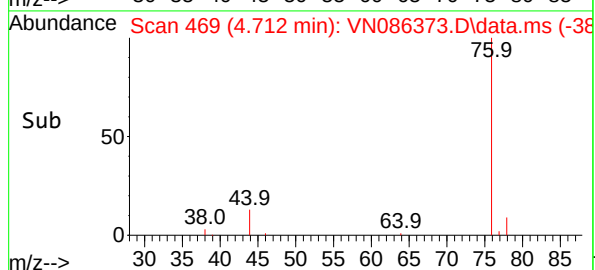
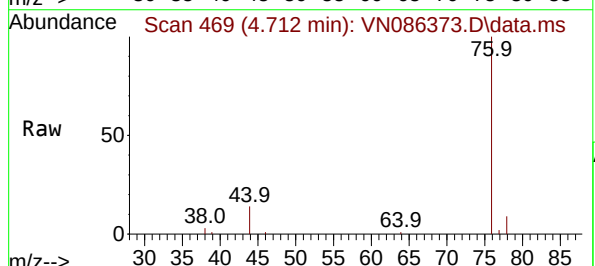
Acq: 23 Apr 2025 09:45

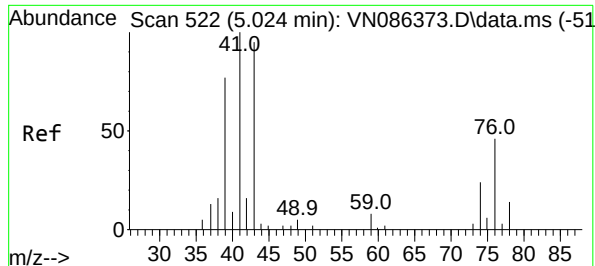
Tgt Ion: 76 Resp: 107956

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7





#17

Allyl chloride

Concen: 19.442 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 41 Resp: 6267

Ion Ratio Lower Upper

41 100

39 73.4 36.7 110.1

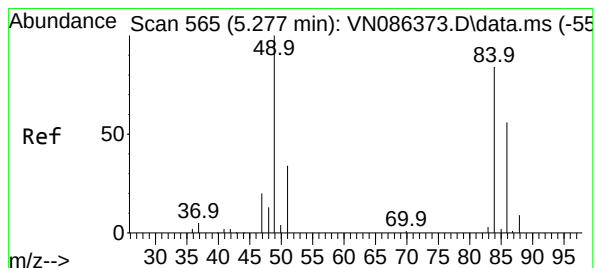
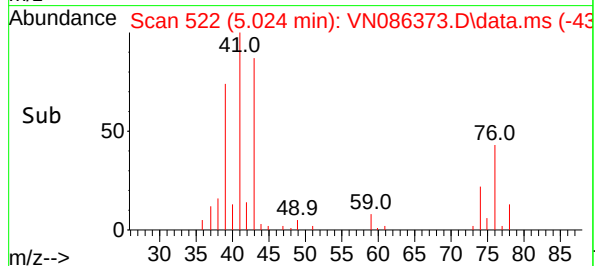
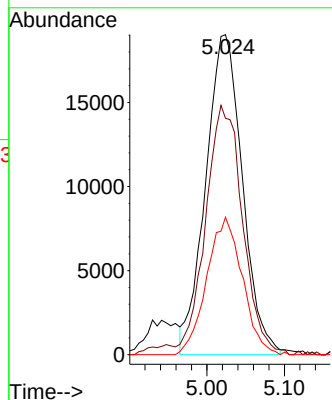
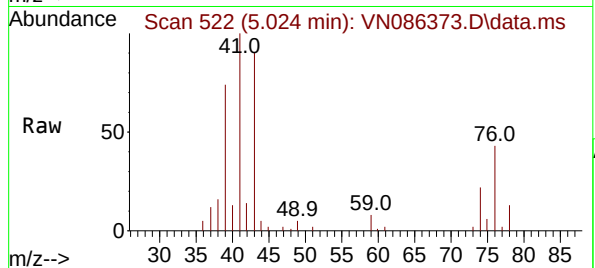
76 43.6 21.8 65.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#18

Methylene Chloride

Concen: 19.957 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Tgt Ion: 84 Resp: 45816

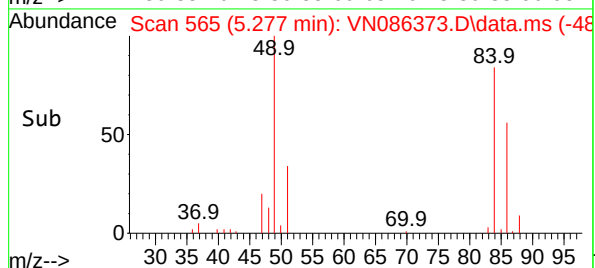
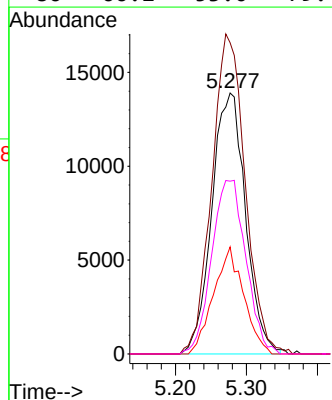
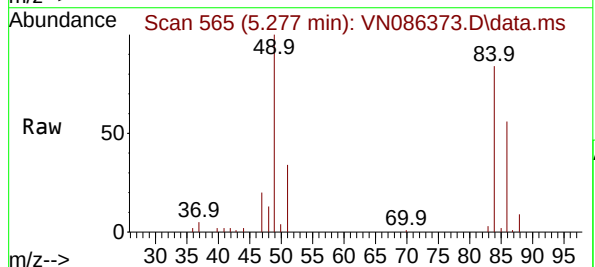
Ion Ratio Lower Upper

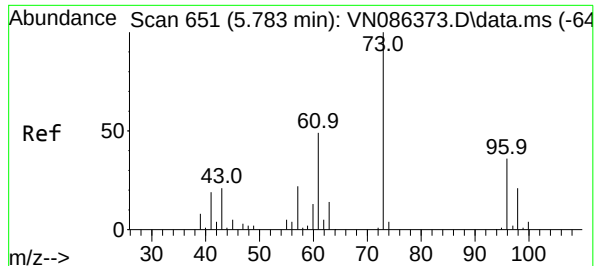
84 100

49 119.2 95.4 143.0

51 41.0 32.8 49.2

86 66.2 53.0 79.4





#19

trans-1,2-Dichloroethene

Concen: 19.728 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 96 Resp: 42390

Ion Ratio Lower Upper

96 100

61 134.1 107.3 160.9

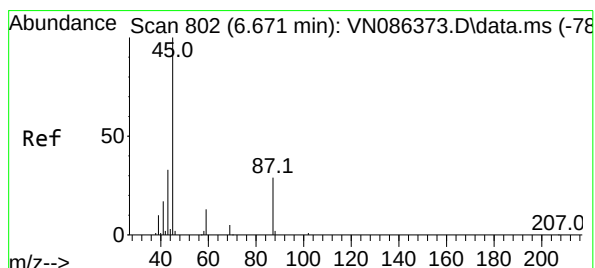
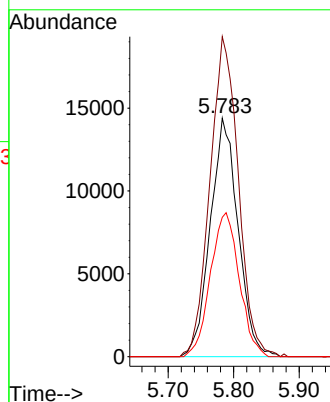
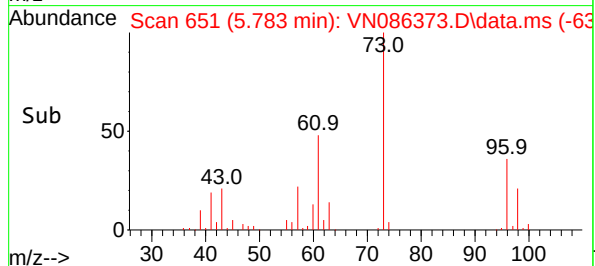
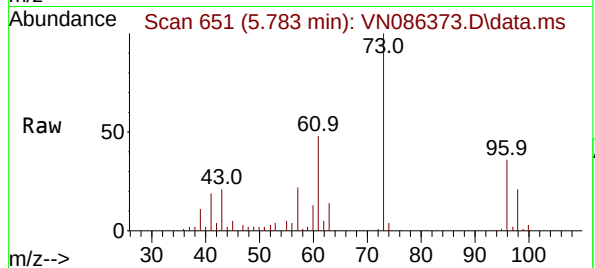
98 58.4 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#20

Diisopropyl ether

Concen: 19.655 ug/l

RT: 6.671 min Scan# 802

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Tgt Ion: 45 Resp: 150643

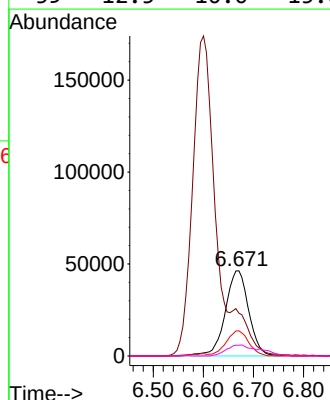
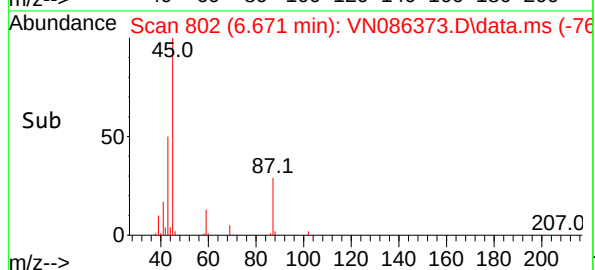
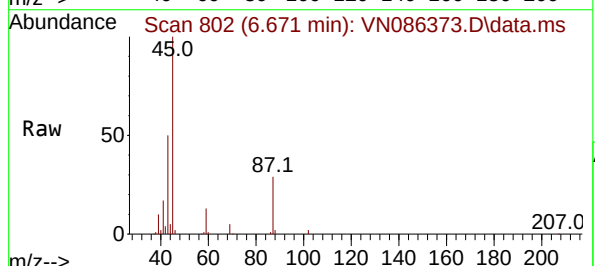
Ion Ratio Lower Upper

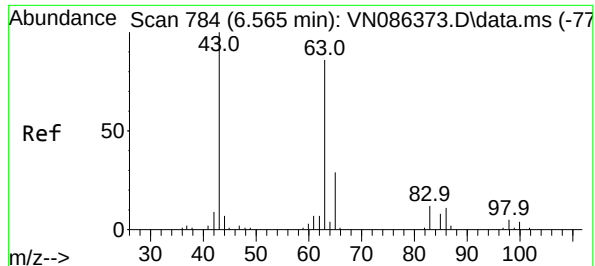
45 100

43 48.5 38.8 58.2

87 29.4 23.5 35.3

59 12.5 10.0 15.0





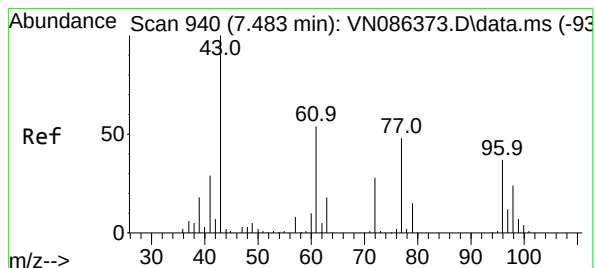
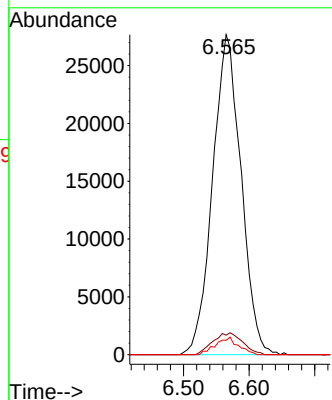
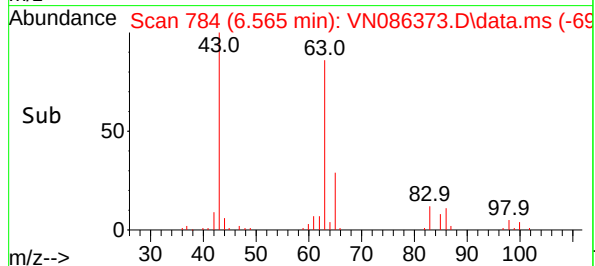
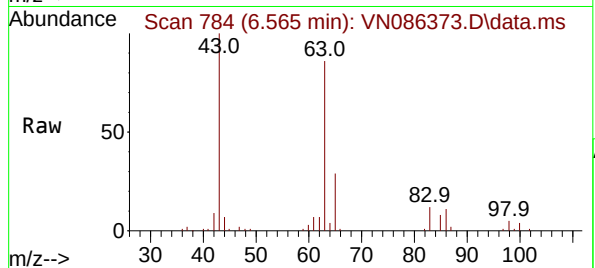
#21
1,1-Dichloroethane
Concen: 19.857 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 63 Resp: 8330
Ion Ratio Lower Upper
63 100
98 6.1 3.0 9.2
100 4.5 2.3 6.8

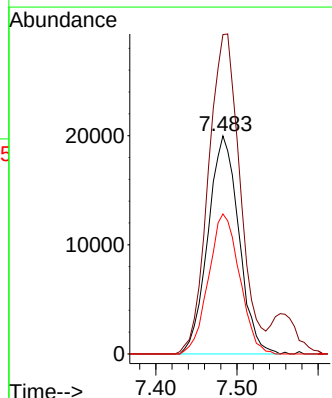
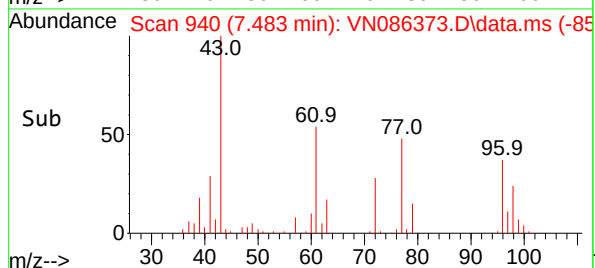
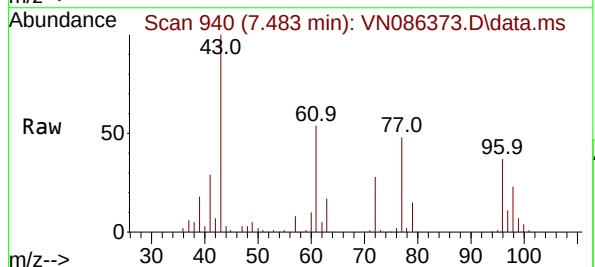
Manual Integrations
APPROVED

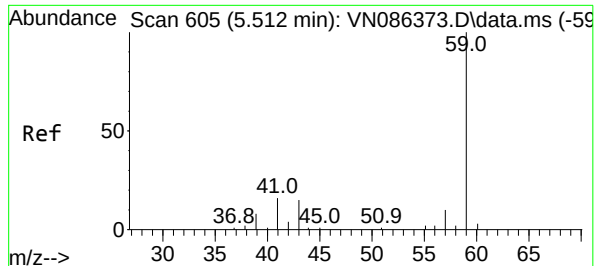
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#22
cis-1,2-Dichloroethene
Concen: 19.635 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion: 96 Resp: 52755
Ion Ratio Lower Upper
96 100
61 150.8 120.6 181.0
98 64.7 51.8 77.6





#23

tert-Butyl Alcohol

Concen: 106.266 ug/l

RT: 5.512 min Scan# 605

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 59 Resp: 43778

Ion Ratio Lower Upper

59 100

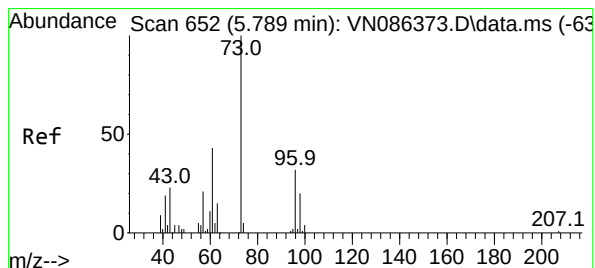
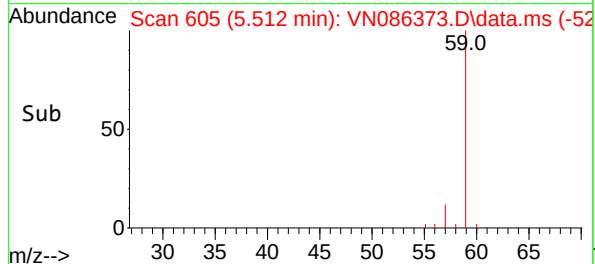
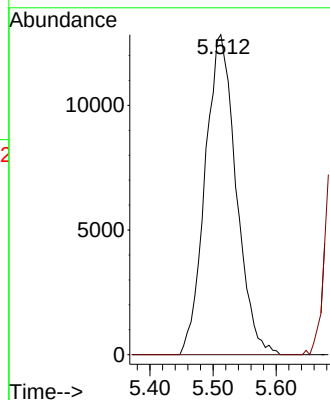
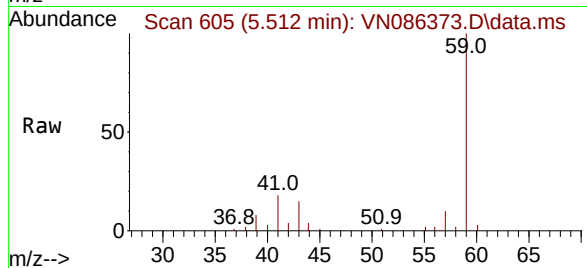
52 0.1 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#24

Methyl tert-Butyl Ether

Concen: 19.943 ug/l

RT: 5.789 min Scan# 652

Delta R.T. 0.000 min

Lab File: VN086373.D

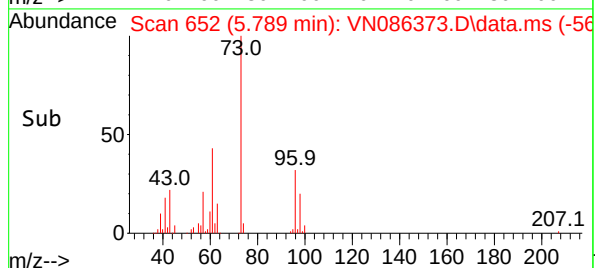
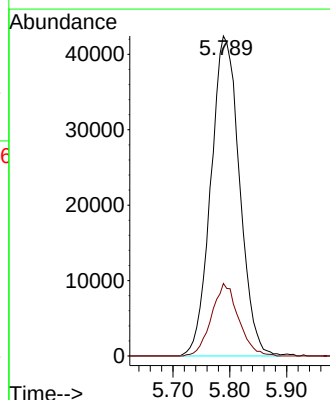
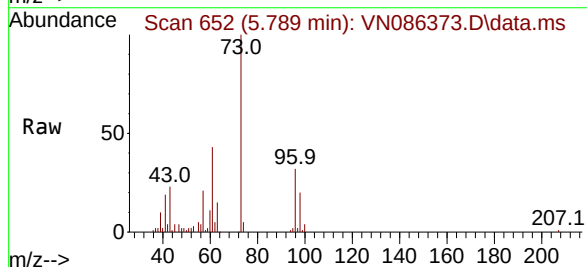
Acq: 23 Apr 2025 09:45

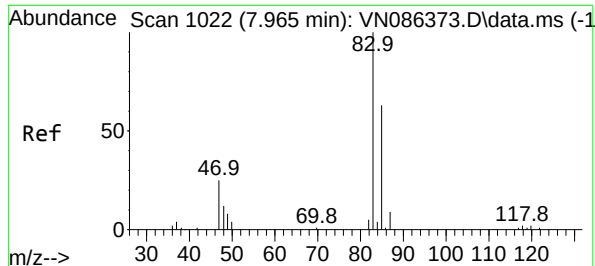
Tgt Ion: 73 Resp: 148542

Ion Ratio Lower Upper

73 100

43 21.4 17.1 25.7





#25

Chloroform

Concen: 20.241 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 83 Resp: 8594

Ion Ratio Lower Upper

83 100

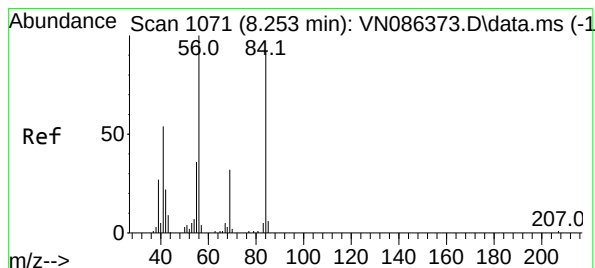
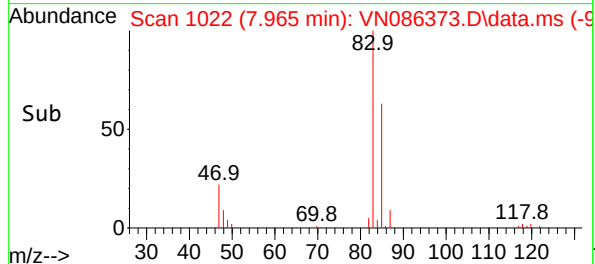
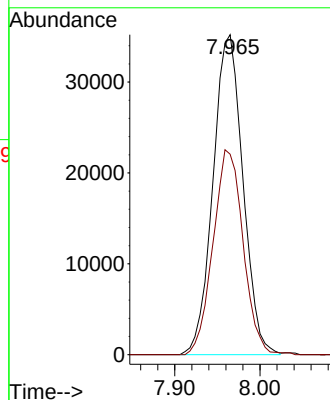
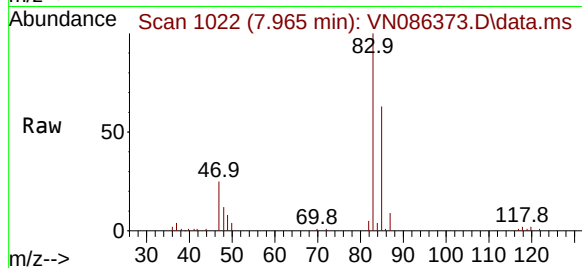
85 62.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#26

Cyclohexane

Concen: 19.641 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

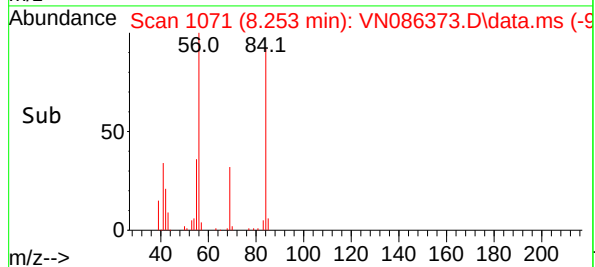
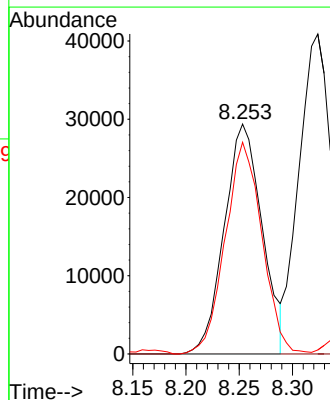
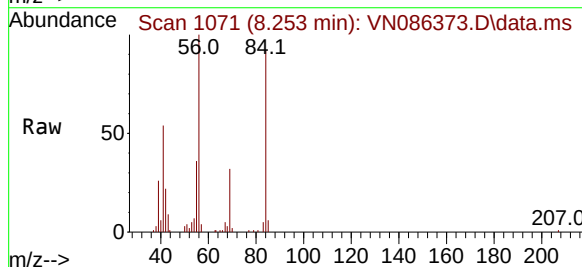
Tgt Ion: 56 Resp: 72755

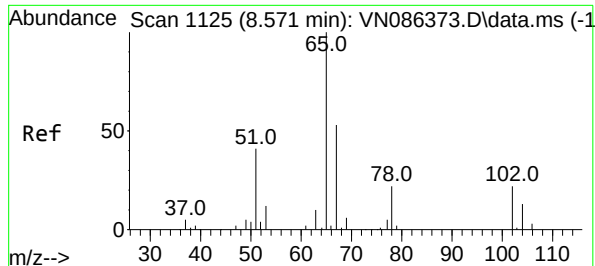
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 89.4 71.5 107.3





#27

1,2-Dichloroethane-d4

Concen: 30.895 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 65 Resp: 86075

Ion Ratio Lower Upper

65 100

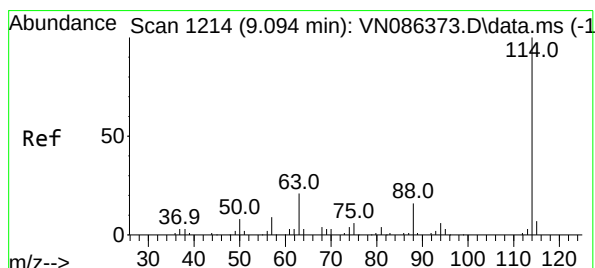
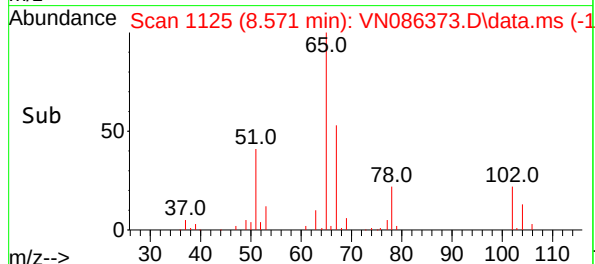
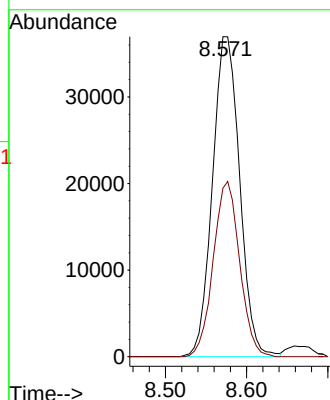
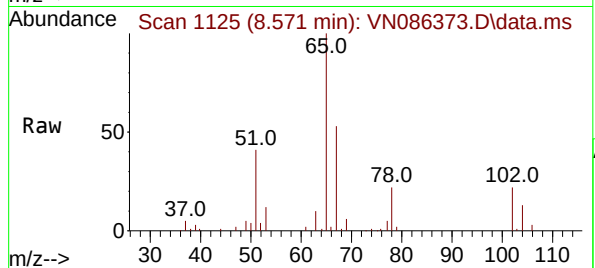
67 53.1 42.5 63.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

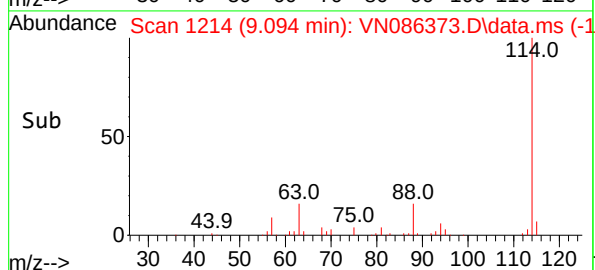
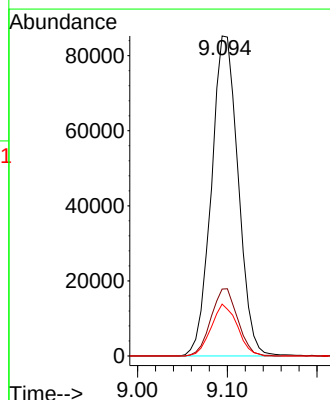
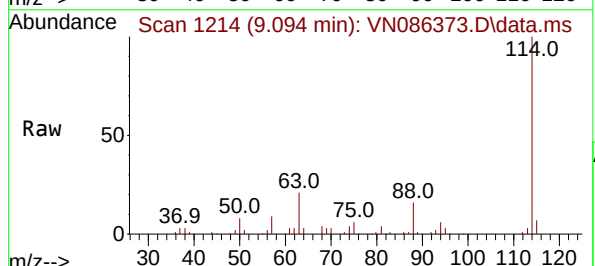
Tgt Ion:114 Resp: 176907

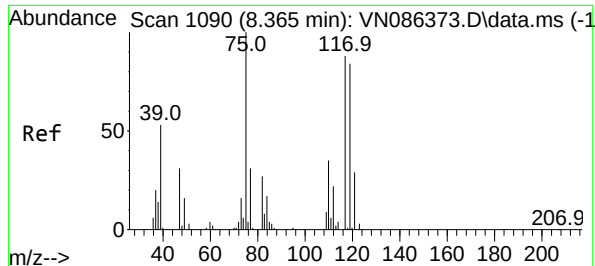
Ion Ratio Lower Upper

114 100

63 20.9 16.7 25.1

88 15.8 12.6 19.0





#29

1,1-Dichloropropene

Concen: 19.126 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

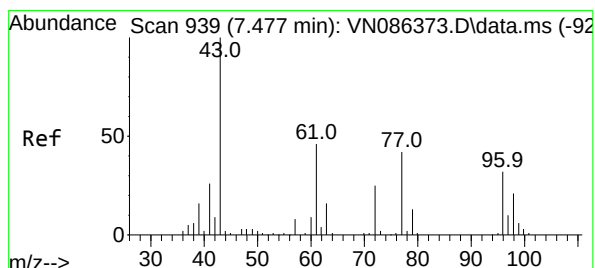
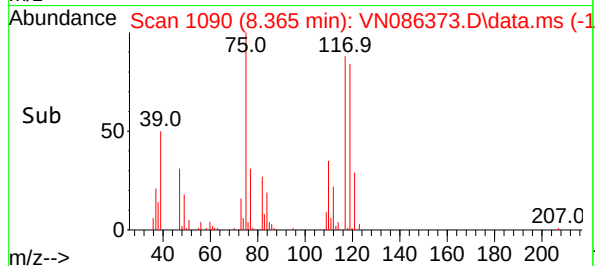
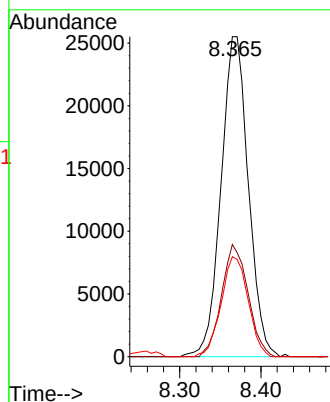
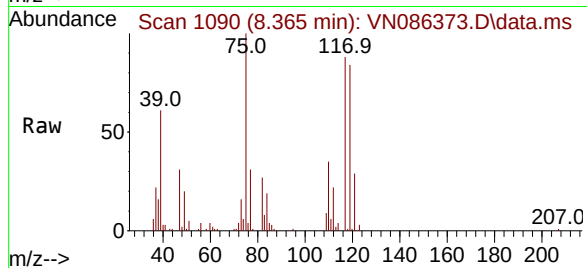
Tgt Ion: 75	Resp: 5964
Ion Ratio	Lower Upper
75	100
110	34.0 0.0 68.0
77	30.7 0.0 61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#30

2-Butanone

Concen: 96.376 ug/l

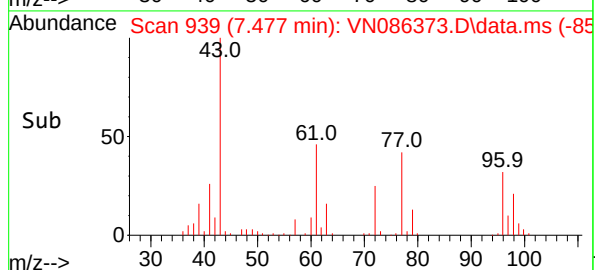
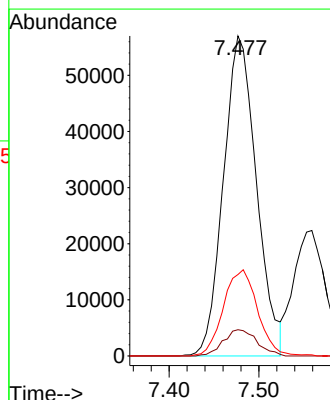
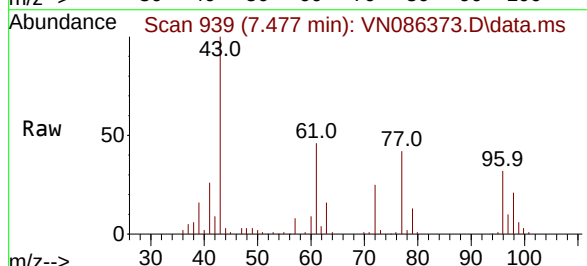
RT: 7.477 min Scan# 939

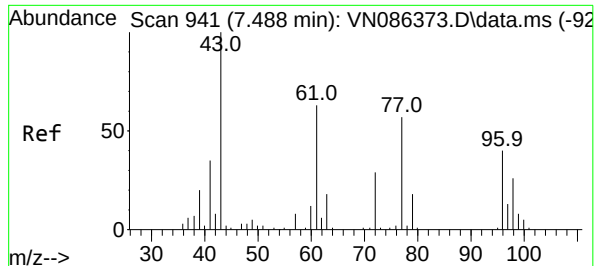
Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Tgt Ion: 43	Resp: 145888
Ion Ratio	Lower Upper
43	100
57	8.3 6.6 10.0
72	27.8 22.2 33.4





#31

2,2-Dichloropropane

Concen: 19.370 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 77 Resp: 7765

Ion Ratio Lower Upper

77 100

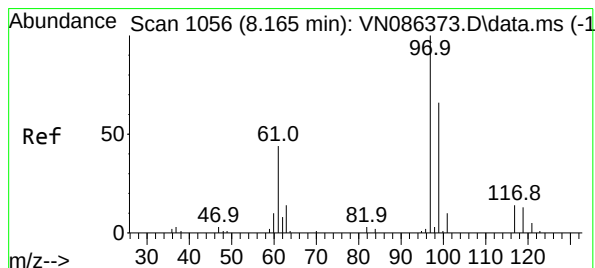
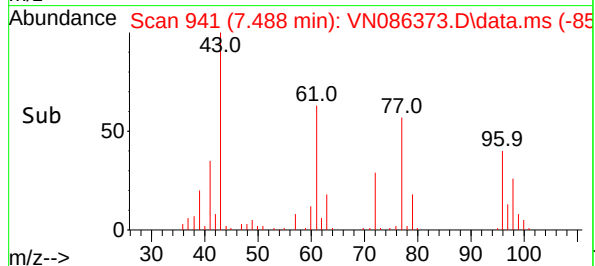
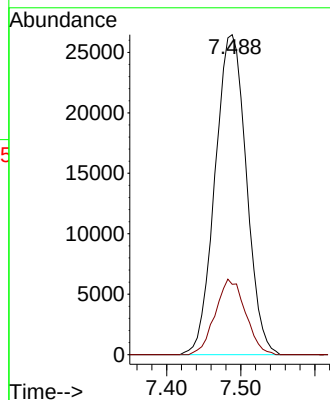
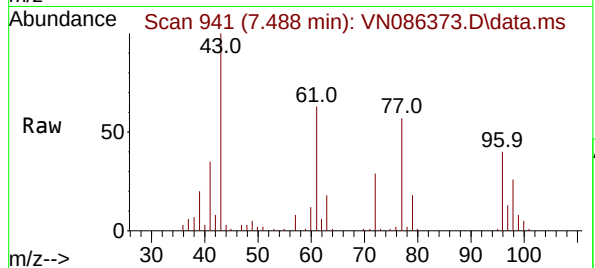
97 22.7 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#32

1,1,1-Trichloroethane

Concen: 19.409 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

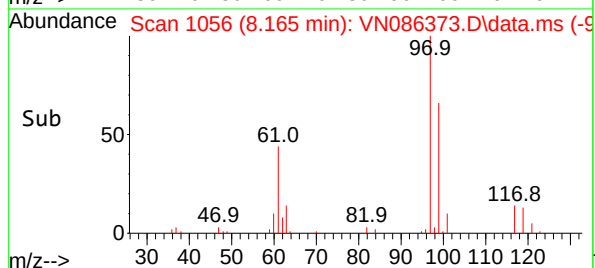
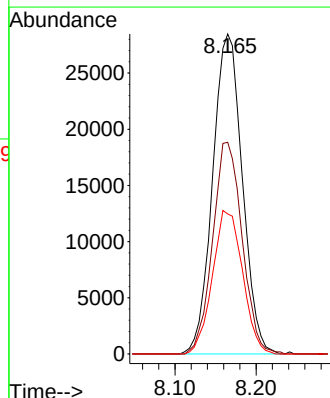
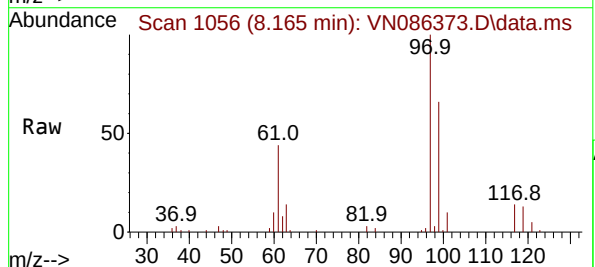
Tgt Ion: 97 Resp: 72334

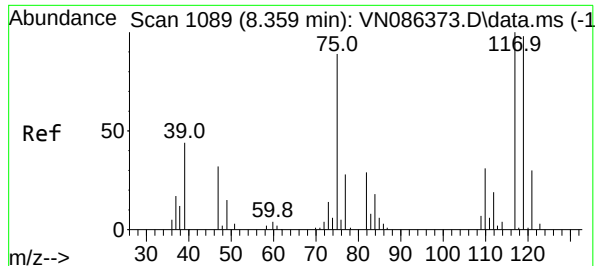
Ion Ratio Lower Upper

97 100

99 65.8 52.6 79.0

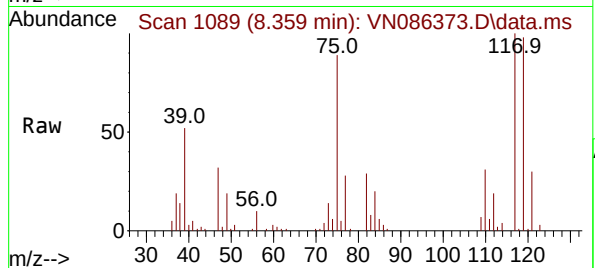
61 45.5 36.4 54.6





#33
Carbon Tetrachloride
Concen: 19.546 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

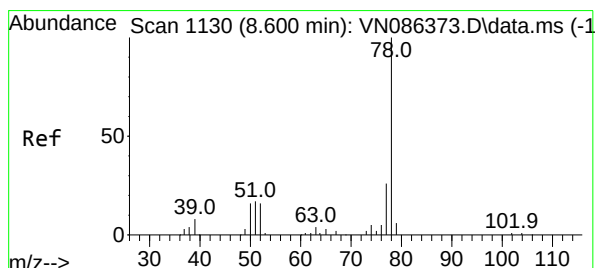
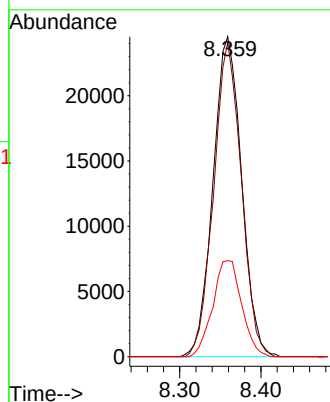
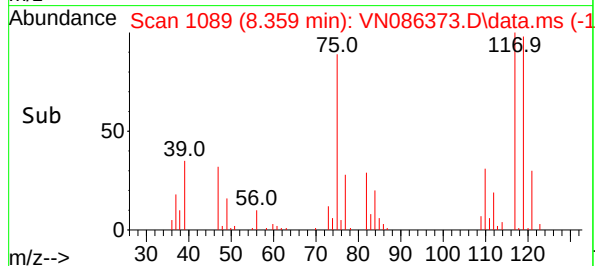
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 117 Resp: 5996
Ion Ratio Lower Upper
117 100
119 98.2 78.6 117.8
121 30.0 24.0 36.0

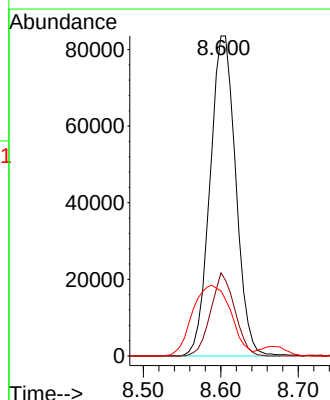
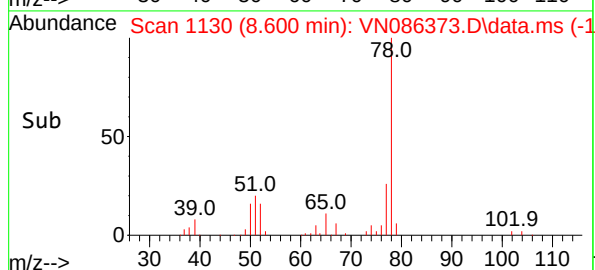
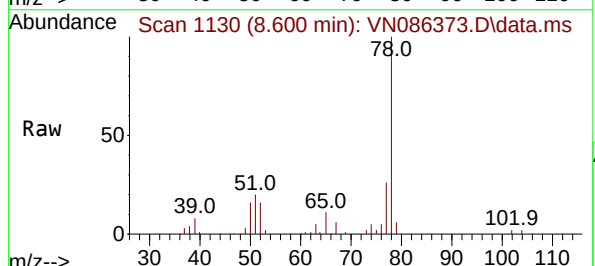
Manual Integrations
APPROVED

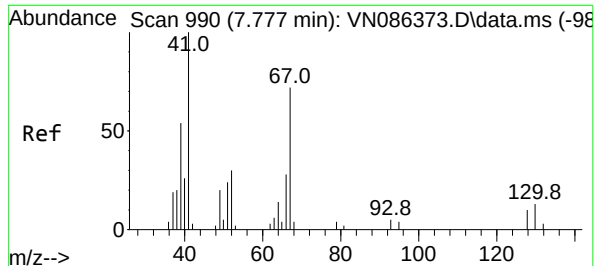
Reviewed By : John Carlone 04/24/2025
Supervised By : Mahesh Dadoda 04/25/2025



#34
Benzene
Concen: 19.435 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion: 78 Resp: 192789
Ion Ratio Lower Upper
78 100
77 26.0 20.8 31.2
51 17.5 14.0 21.0





#35

Methacrylonitrile

Concen: 20.411 ug/l

RT: 7.777 min Scan# 990

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 41 Resp: 35249

Ion Ratio Lower Upper

41 100

39 53.9 27.0 80.8

67 71.5 35.8 107.3

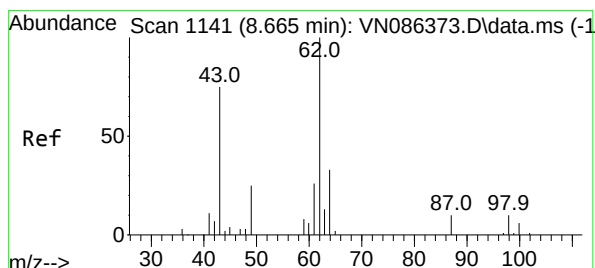
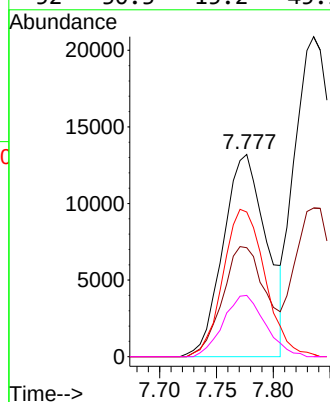
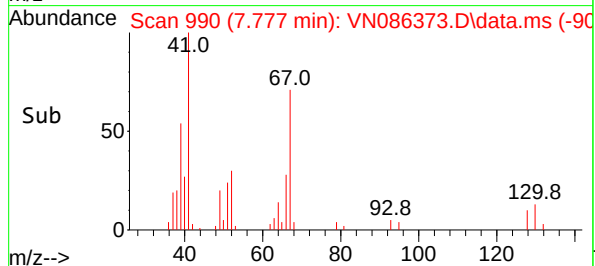
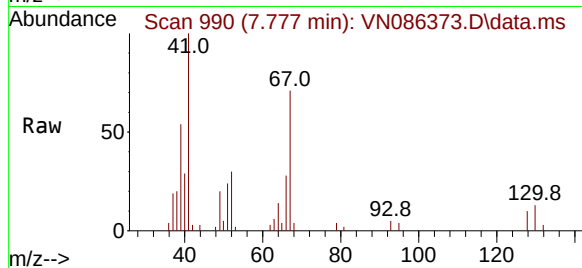
52 30.3 15.2 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#36

1,2-Dichloroethane

Concen: 19.502 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VN086373.D

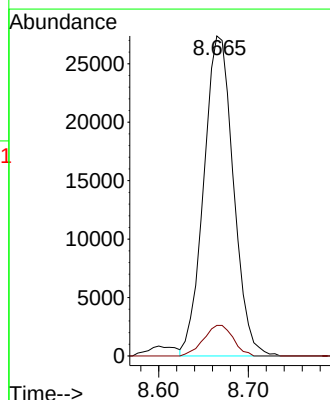
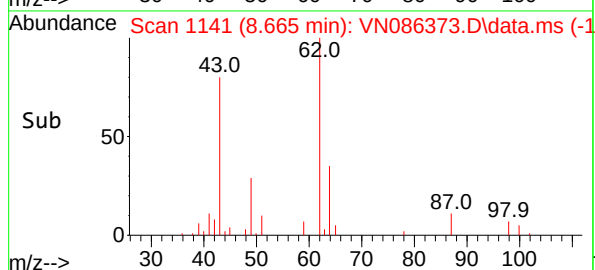
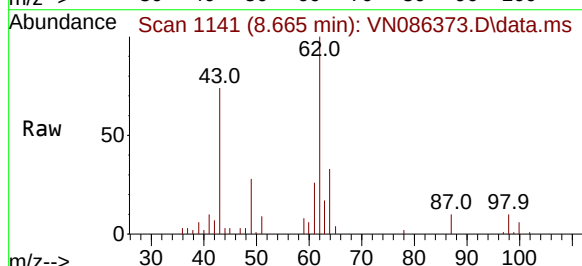
Acq: 23 Apr 2025 09:45

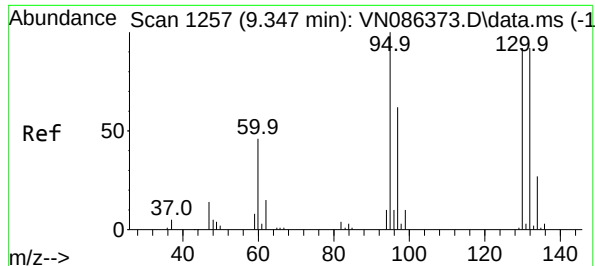
Tgt Ion: 62 Resp: 62808

Ion Ratio Lower Upper

62 100

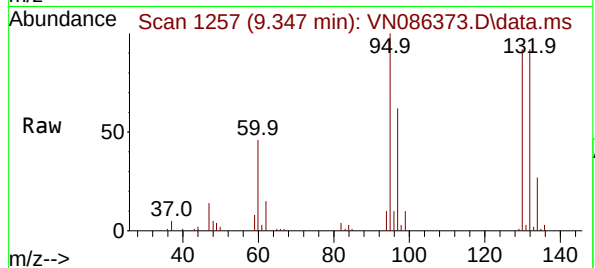
98 9.5 7.6 11.4





#37
Trichloroethene
Concen: 18.866 ug/l
RT: 9.347 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

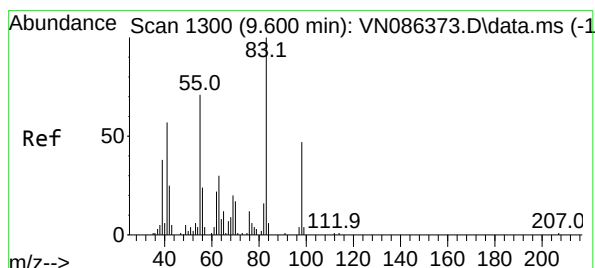
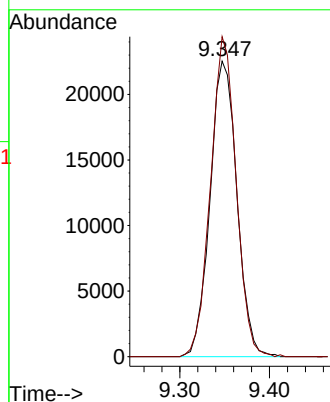
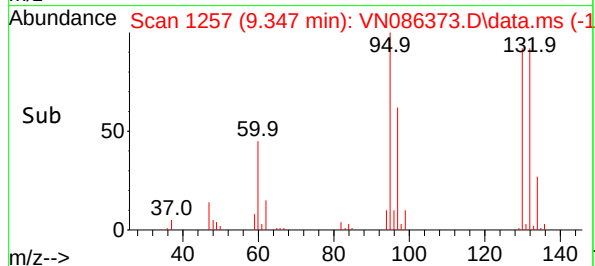
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



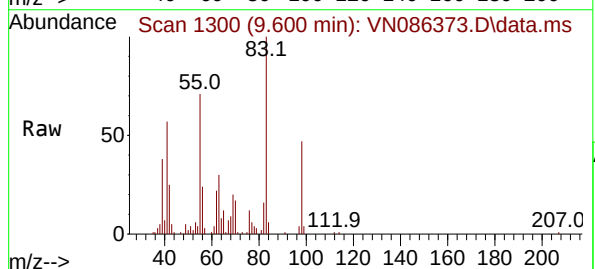
Tgt Ion:130 Resp: 46850
Ion Ratio Lower Upper
130 100
95 108.3 86.6 130.0

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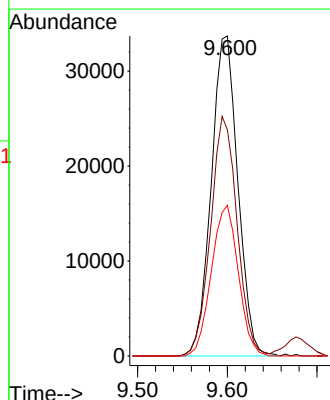
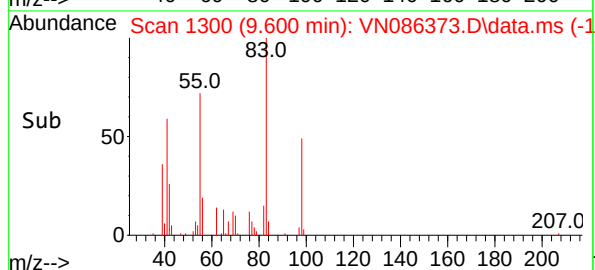
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

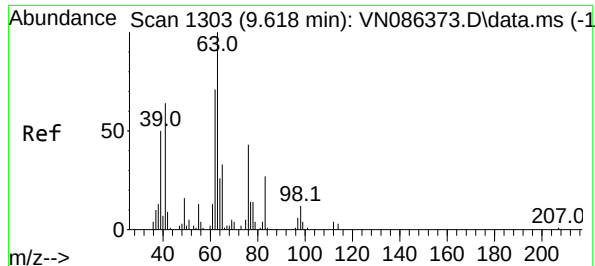


#38
Methylcyclohexane
Concen: 19.275 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45



Tgt Ion: 83 Resp: 69428
Ion Ratio Lower Upper
83 100
55 74.6 37.3 111.9
98 47.7 23.8 71.5





#39

1,2-Dichloropropane

Concen: 19.340 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 63 Resp: 47394

Ion Ratio Lower Upper

63 100

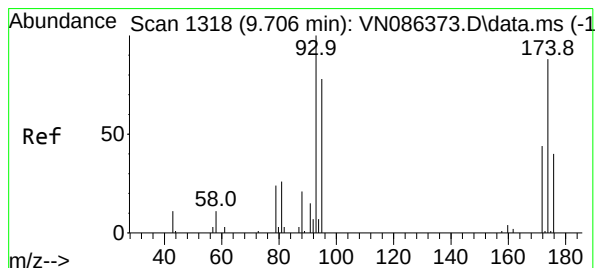
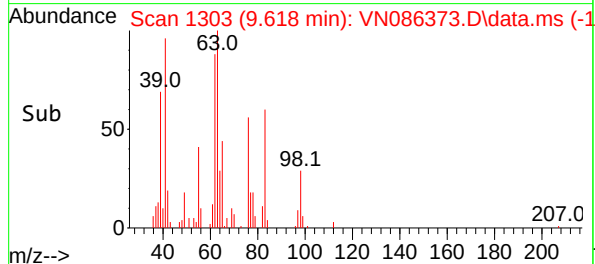
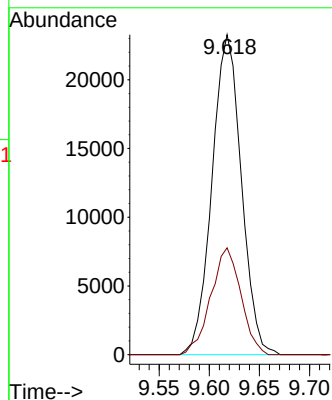
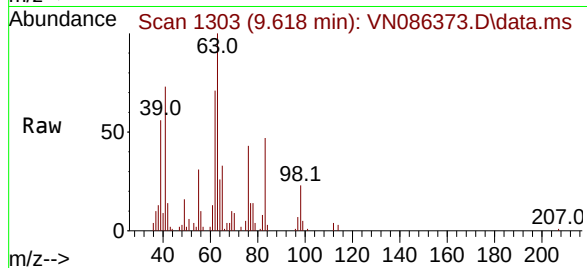
65 33.4 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#40

Dibromomethane

Concen: 19.597 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

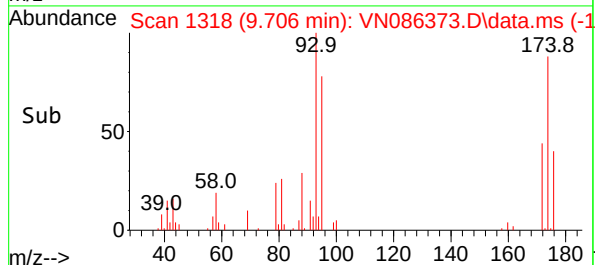
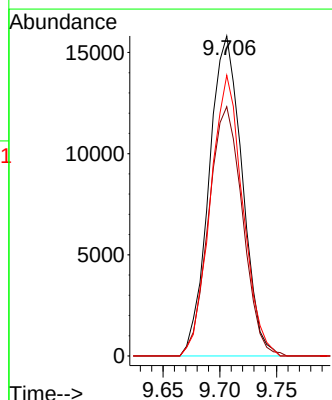
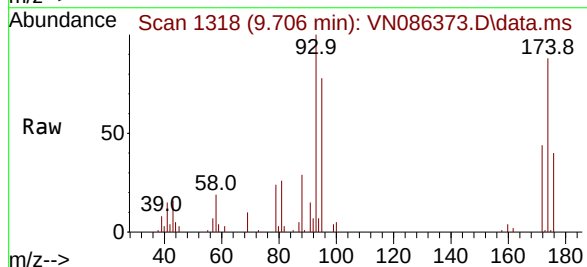
Tgt Ion: 93 Resp: 32116

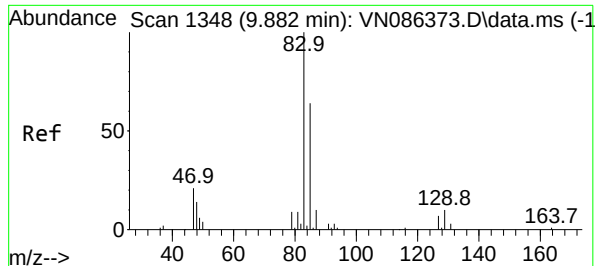
Ion Ratio Lower Upper

93 100

95 79.6 0.0 159.2

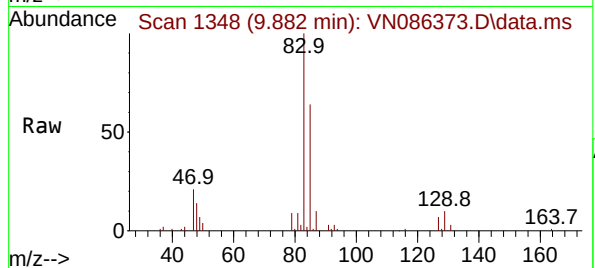
174 85.7 0.0 171.4





#41
Bromodichloromethane
Concen: 19.419 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

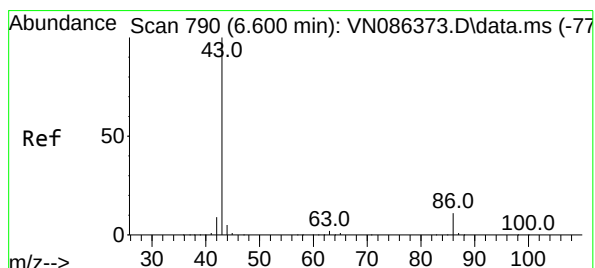
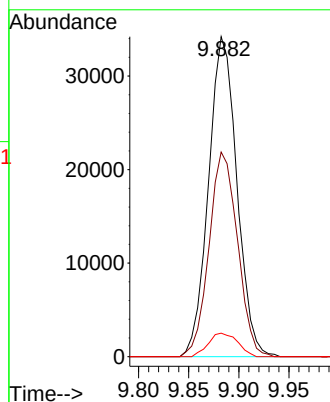
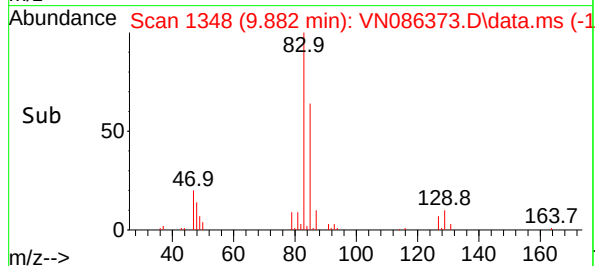
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 83 Resp: 6734
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7
127 7.4 5.9 8.9

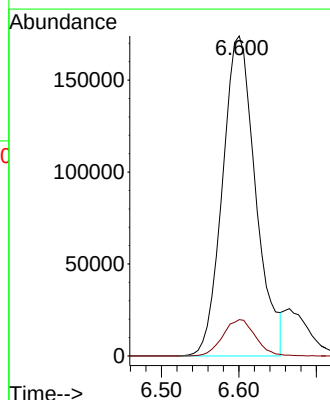
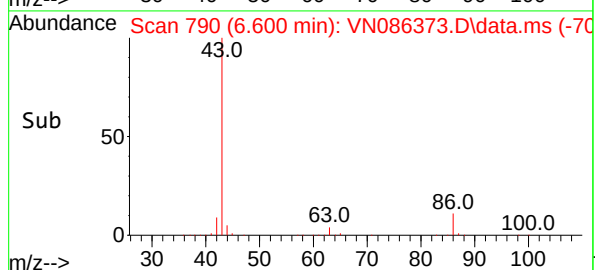
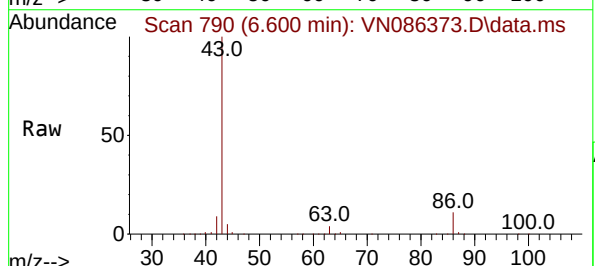
Manual Integrations
APPROVED

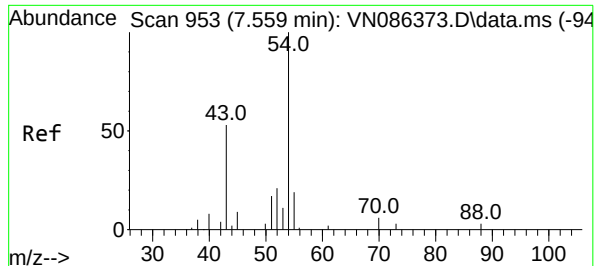
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#42
Vinyl Acetate
Concen: 98.852 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion: 43 Resp: 518356
Ion Ratio Lower Upper
43 100
86 11.1 8.9 13.3





#43

Ethyl Acetate

Concen: 18.658 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 43 Resp: 55894

Ion Ratio Lower Upper

43 100

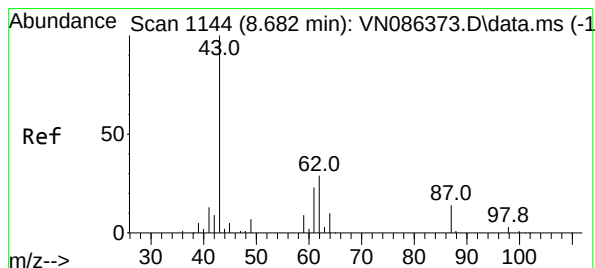
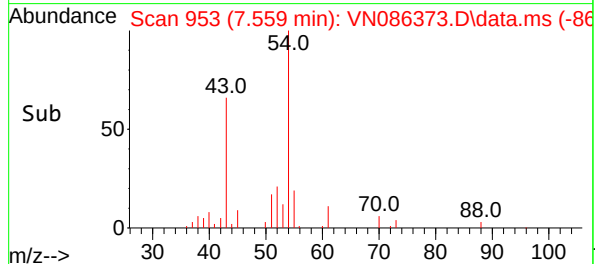
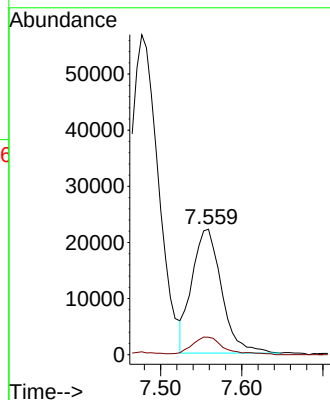
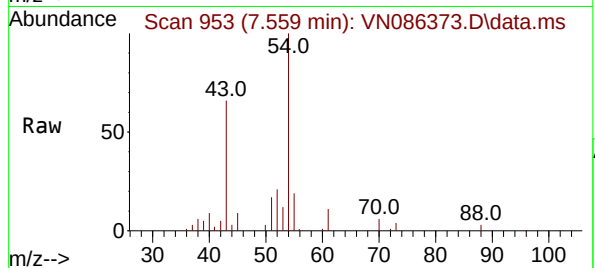
45 14.3 11.4 17.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#44

Isopropyl Acetate

Concen: 19.334 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN086373.D

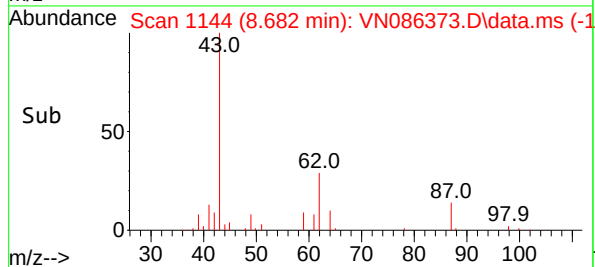
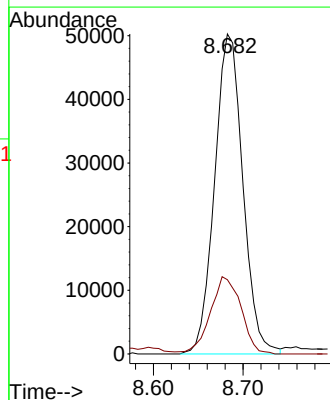
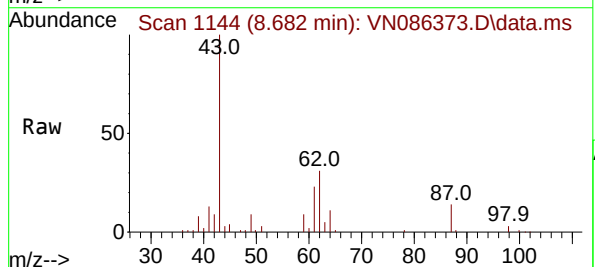
Acq: 23 Apr 2025 09:45

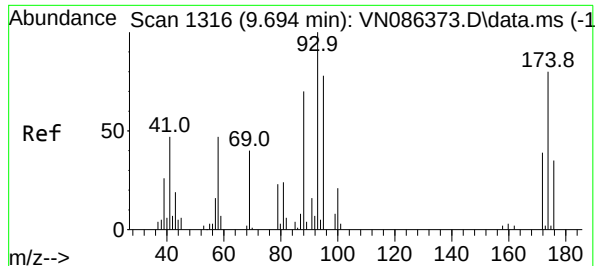
Tgt Ion: 43 Resp: 109922

Ion Ratio Lower Upper

43 100

61 26.2 21.0 31.4





#45

1,4-Dioxane

Concen: 405.300 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 88 Resp: 17979

Ion Ratio Lower Upper

88 100

43 31.1 24.9 37.3

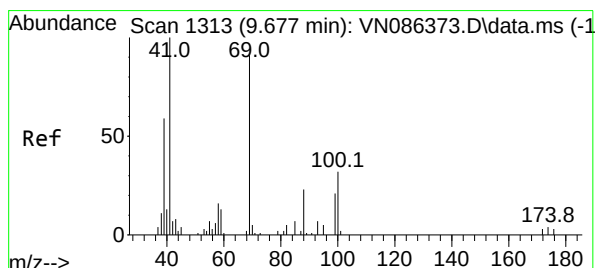
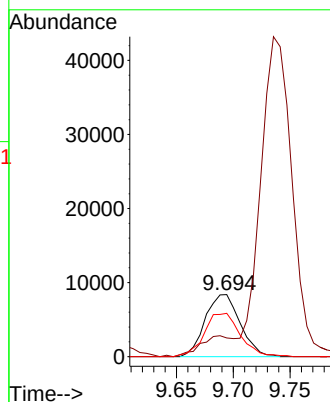
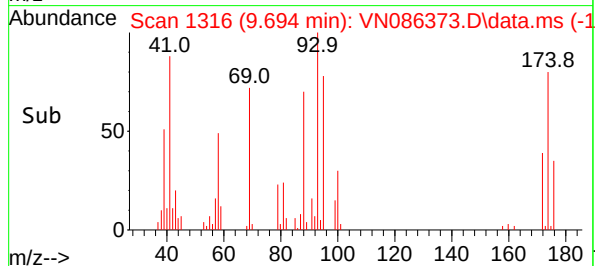
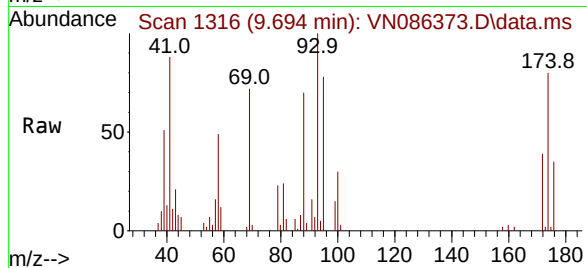
58 72.3 57.8 86.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#46

Methyl methacrylate

Concen: 19.367 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

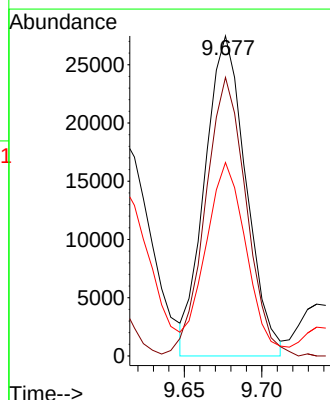
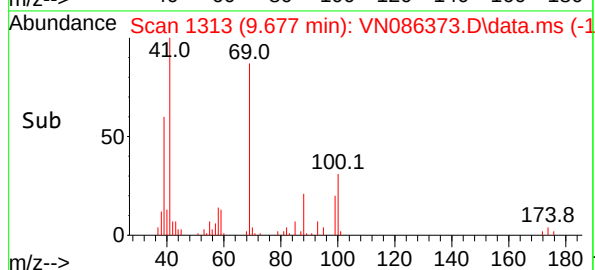
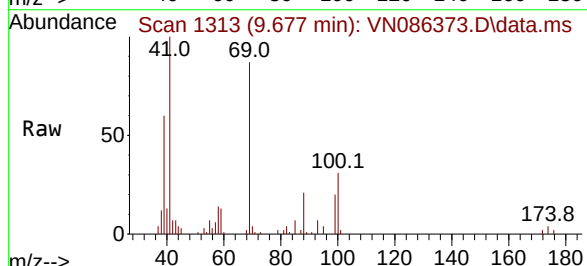
Tgt Ion: 41 Resp: 50790

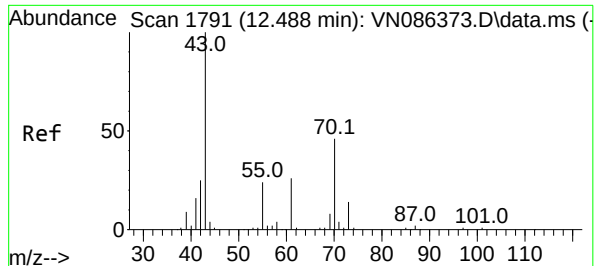
Ion Ratio Lower Upper

41 100

69 88.2 44.1 132.3

39 60.1 30.0 90.1





#47

n-amy1 Acetate

Concen: 19.045 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 43 Resp: 92290

Ion Ratio Lower Upper

43

100

55

24.2

19.4

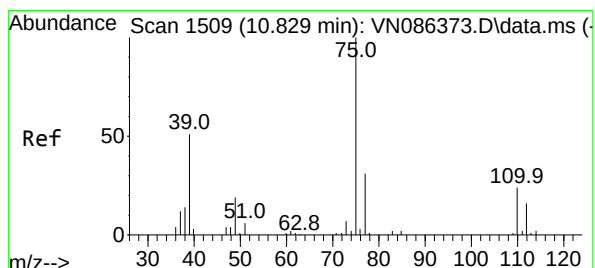
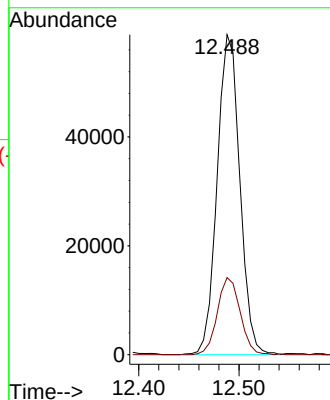
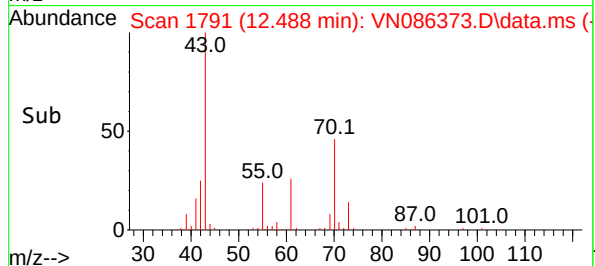
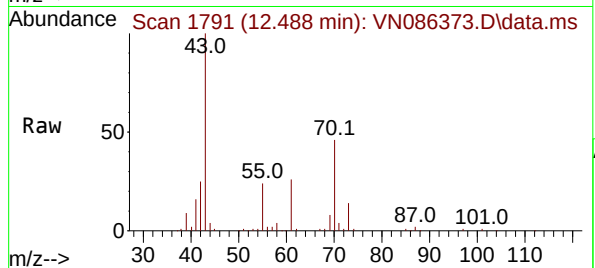
29.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#48

t-1,3-Dichloropropene

Concen: 19.132 ug/l

RT: 10.829 min Scan# 1509

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Tgt Ion: 75 Resp: 74180

Ion Ratio Lower Upper

75

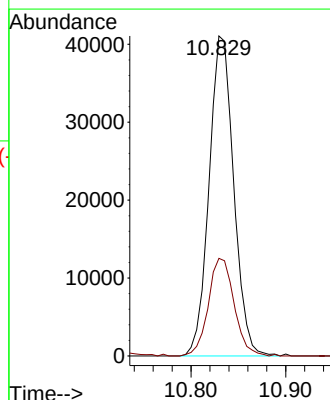
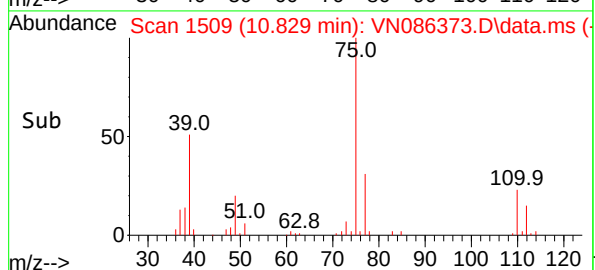
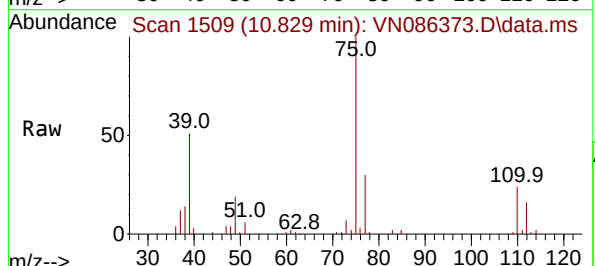
100

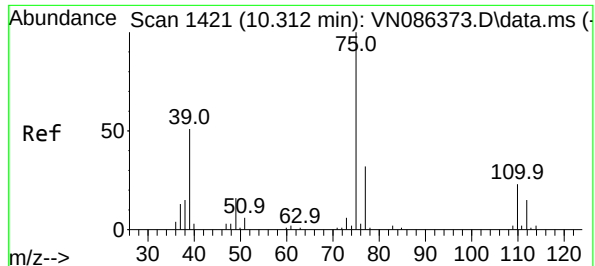
77

30.5

24.4

36.6





#49

cis-1,3-Dichloropropene

Concen: 19.159 ug/l

RT: 10.312 min Scan# 1421

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 75 Resp: 7833

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

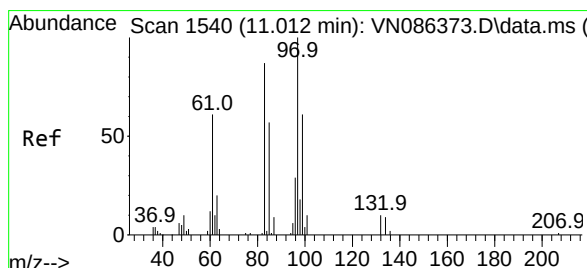
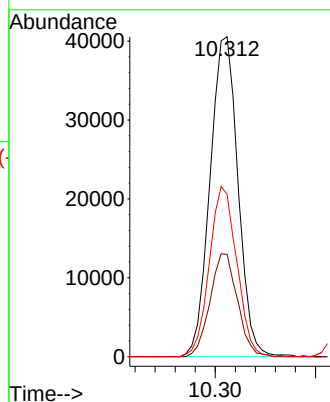
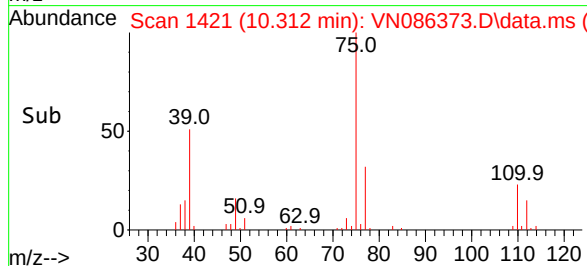
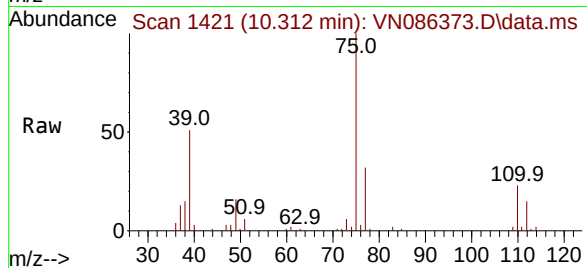
39 50.7 40.6 60.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#50

1,1,2-Trichloroethane

Concen: 19.712 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Tgt Ion: 97 Resp: 45121

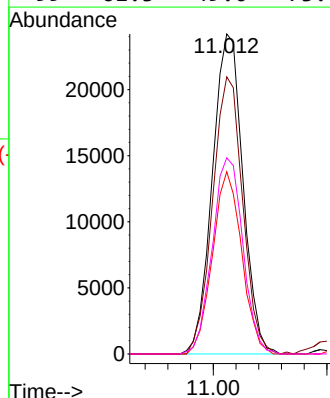
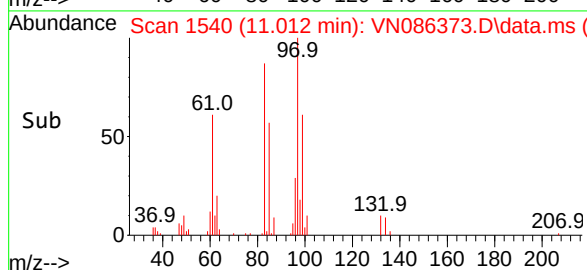
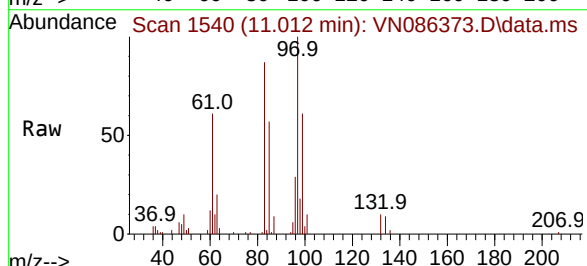
Ion Ratio Lower Upper

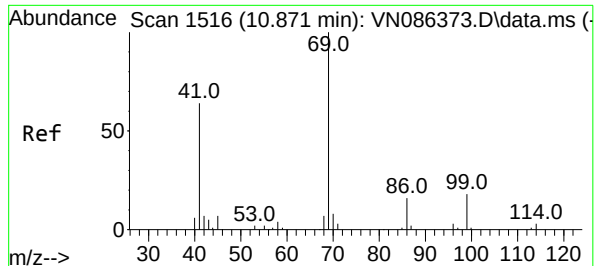
97 100

83 86.6 69.3 103.9

85 56.9 45.5 68.3

99 61.3 49.0 73.6





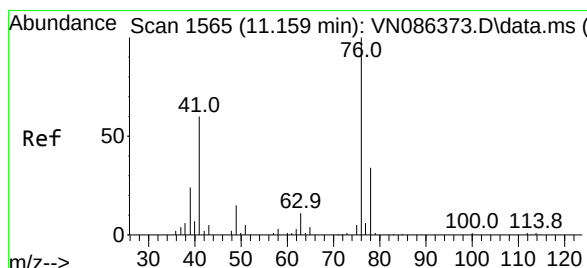
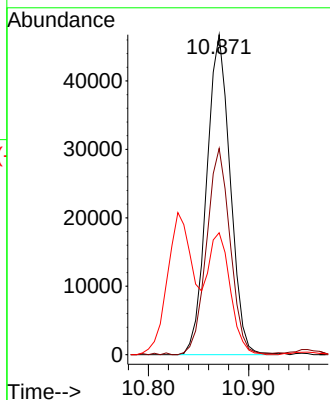
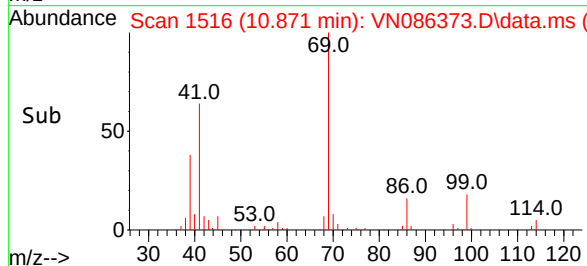
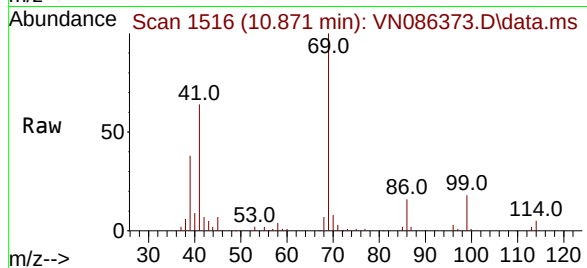
#51
Ethyl methacrylate
Concen: 19.128 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 69 Resp: 7625
Ion Ratio Lower Upper
69 100
41 64.5 32.3 96.8
39 38.1 19.1 57.1

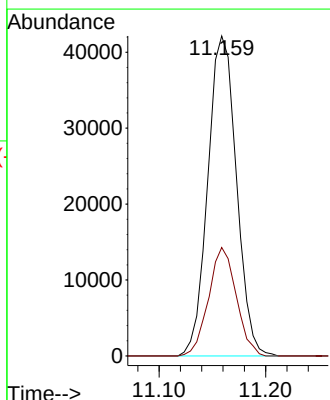
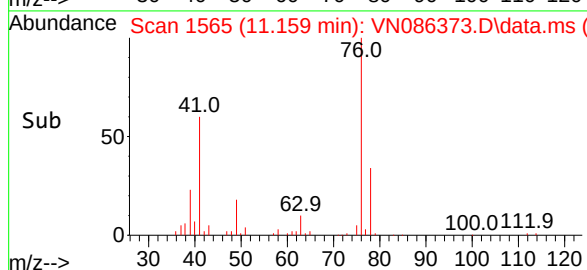
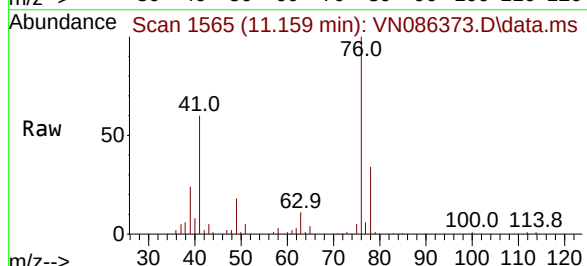
Manual Integrations
APPROVED

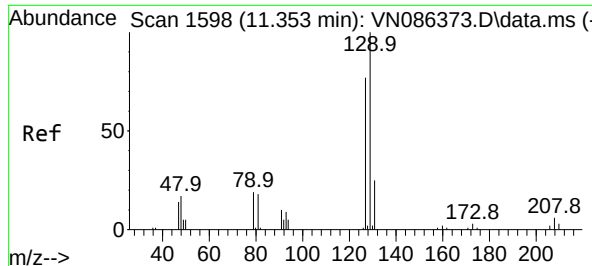
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#52
1,3-Dichloropropane
Concen: 19.439 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

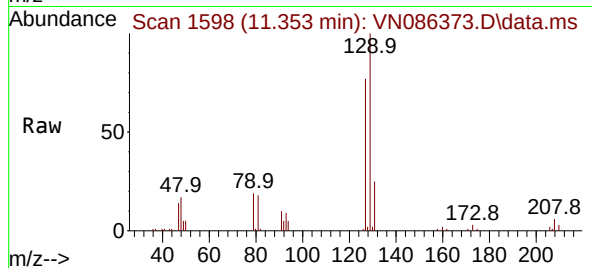
Tgt Ion: 76 Resp: 78642
Ion Ratio Lower Upper
76 100
78 32.8 0.0 65.6





#53
Dibromochloromethane
Concen: 19.243 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

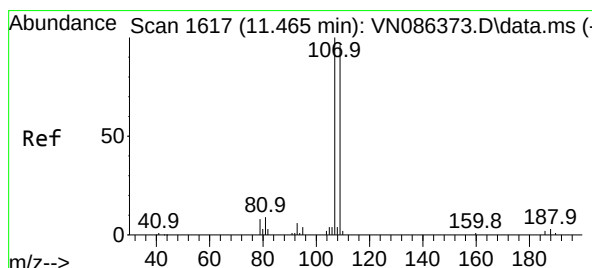
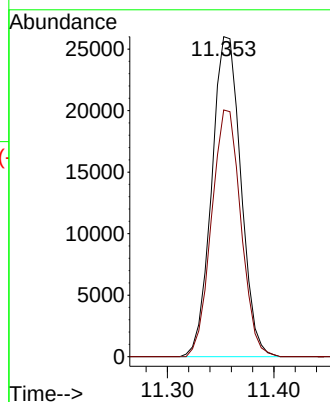
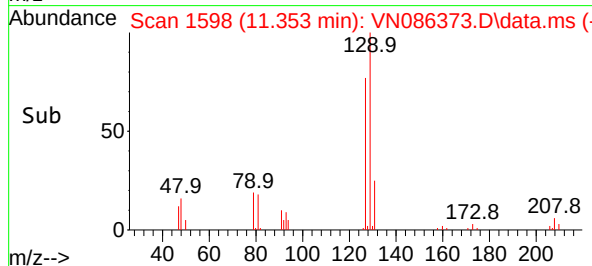
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



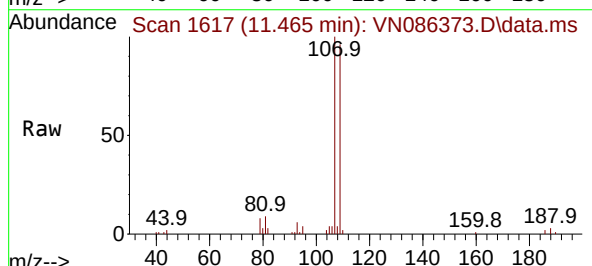
Tgt Ion:129 Resp: 49462
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3

Manual Integrations
APPROVED

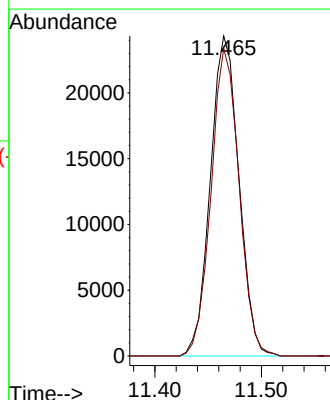
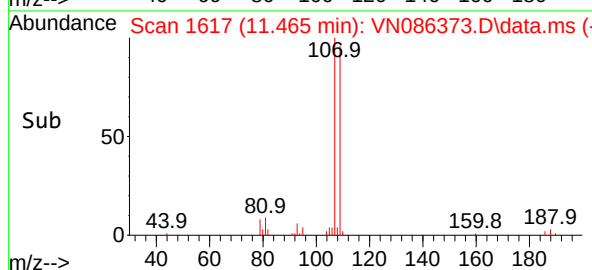
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

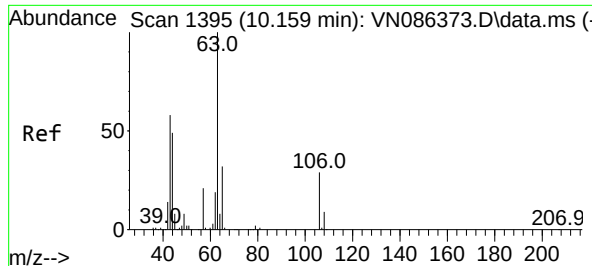


#54
1,2-Dibromoethane
Concen: 19.447 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45



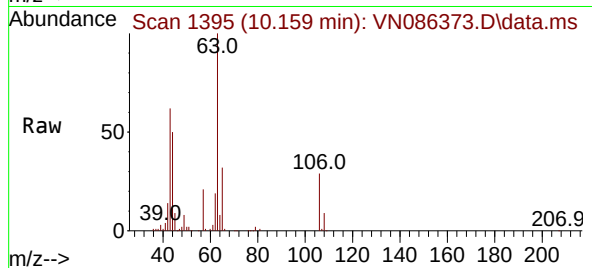
Tgt Ion:107 Resp: 45261
Ion Ratio Lower Upper
107 100
109 94.2 75.4 113.0





#55
2-Chloroethyl vinyl ether
Concen: 97.314 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

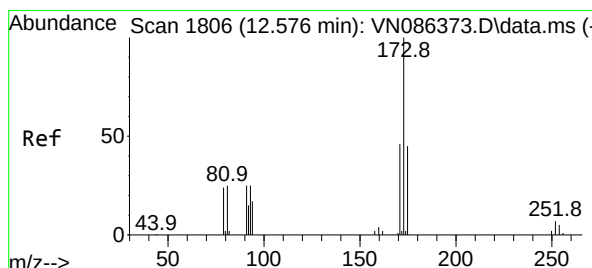
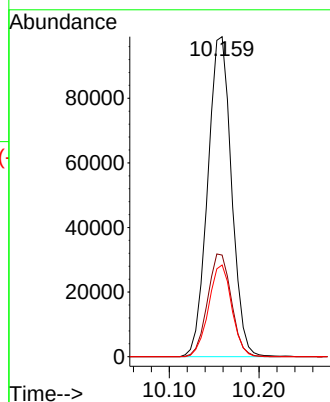
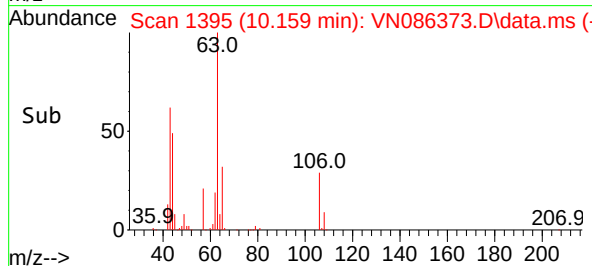
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion: 63 Resp: 182398
Ion Ratio Lower Upper
63 100
65 32.1 25.7 38.5
106 27.9 22.3 33.5

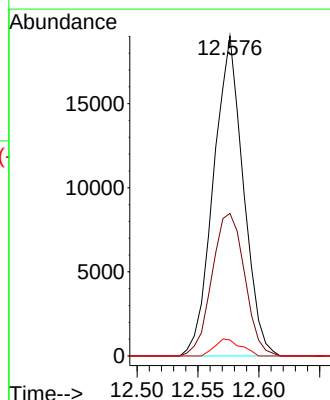
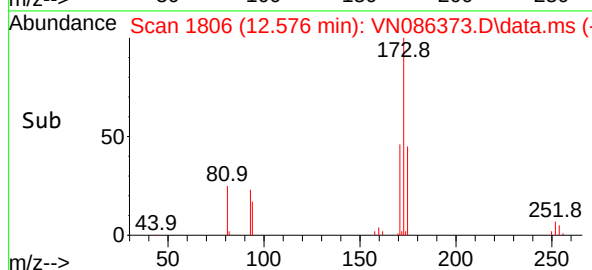
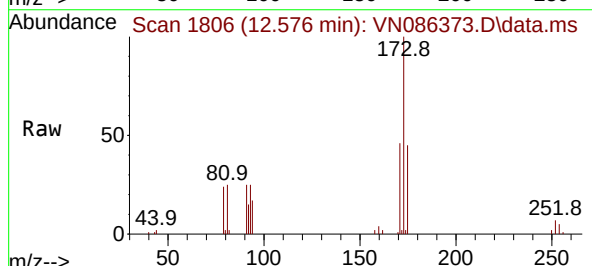
Manual Integrations
APPROVED

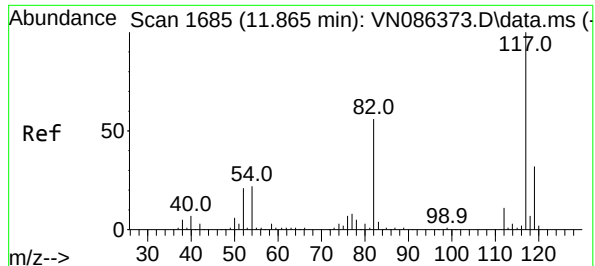
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#56
Bromoform
Concen: 19.406 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion:173 Resp: 32369
Ion Ratio Lower Upper
173 100
175 48.8 39.0 58.6
254 4.7 3.8 5.6





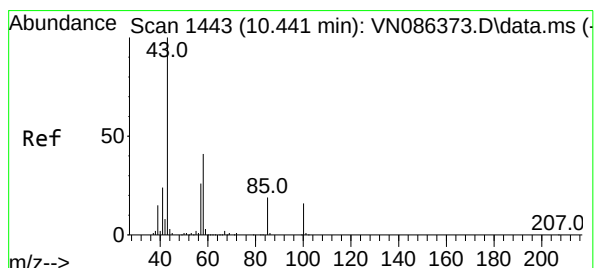
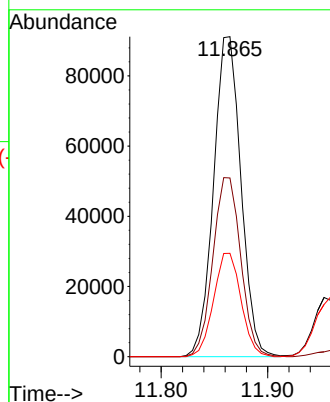
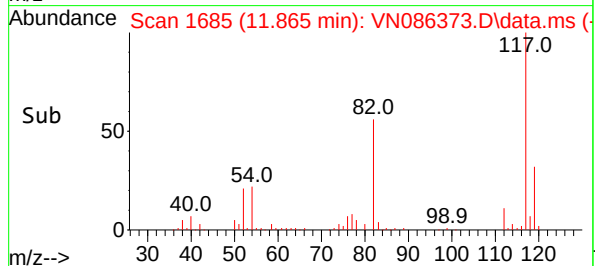
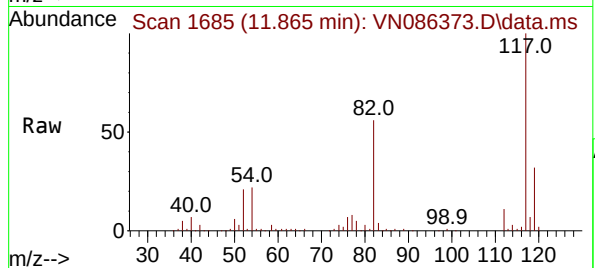
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:117 Resp: 16301
Ion Ratio Lower Upper
117 100
82 56.9 45.5 68.3
119 32.4 25.9 38.9

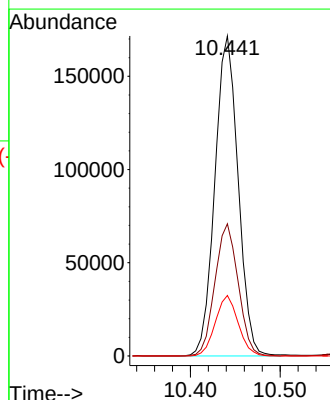
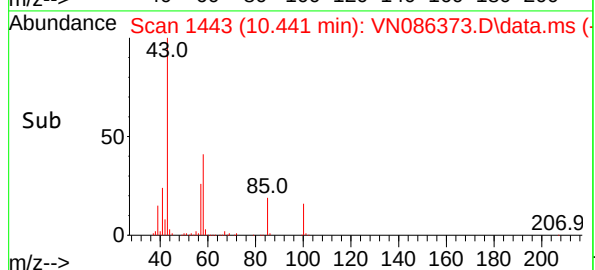
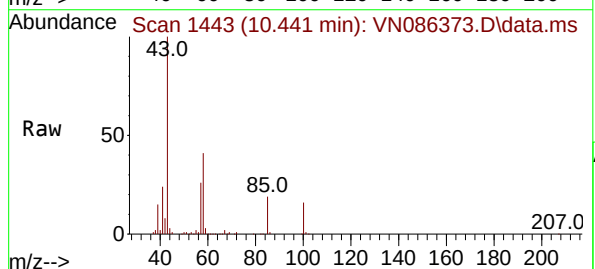
Manual Integrations
APPROVED

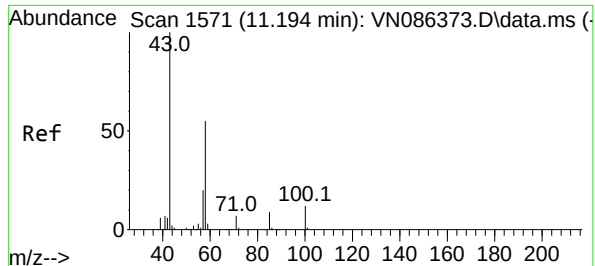
Reviewed By :John Carbone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#58
4-Methyl-2-Pentanone
Concen: 97.881 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion: 43 Resp: 308775
Ion Ratio Lower Upper
43 100
58 41.3 33.0 49.6
85 18.6 14.9 22.3





#59

2-Hexanone

Concen: 98.024 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 43 Resp: 227878

Ion Ratio Lower Upper

43 100

58 56.3 45.0 67.6

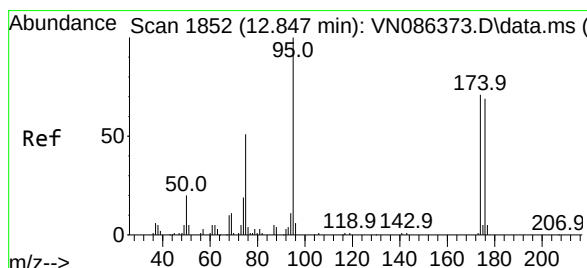
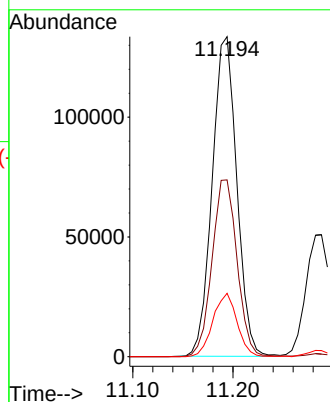
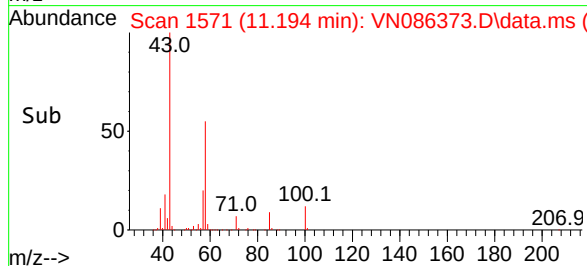
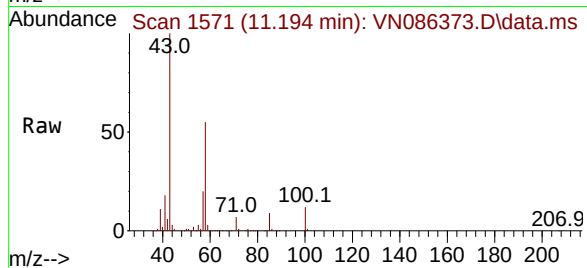
57 19.4 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#60

4-Bromofluorobenzene

Concen: 29.376 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

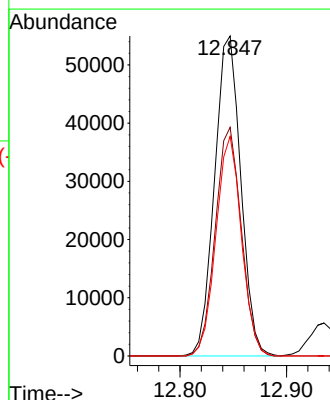
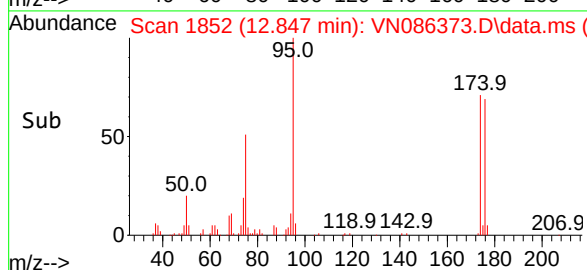
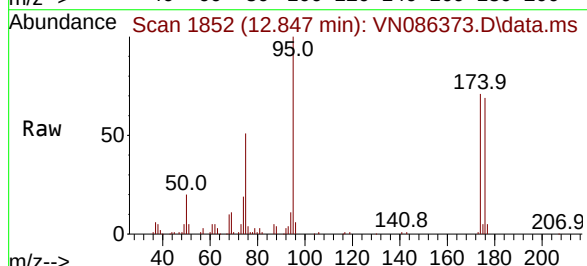
Tgt Ion: 95 Resp: 94119

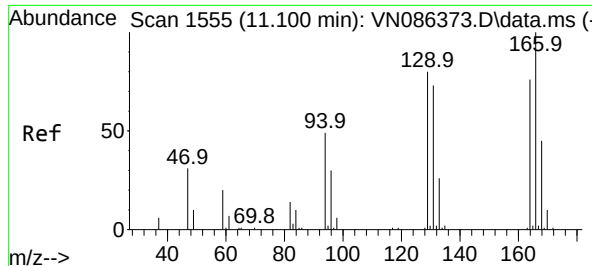
Ion Ratio Lower Upper

95 100

174 70.7 56.6 84.8

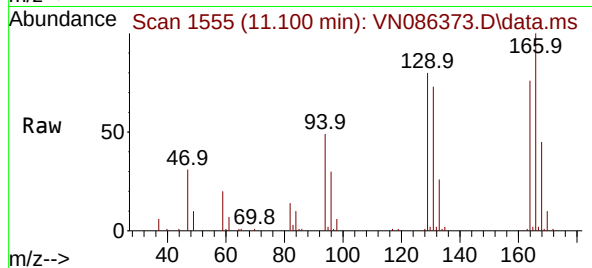
176 66.6 53.3 79.9





#61
Tetrachloroethene
Concen: 18.888 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

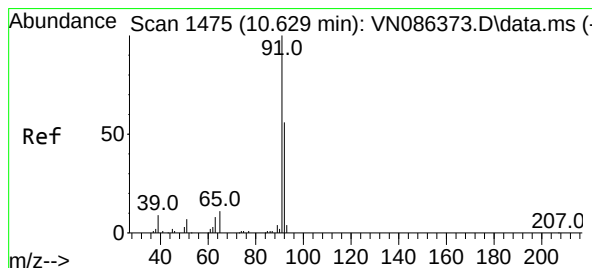
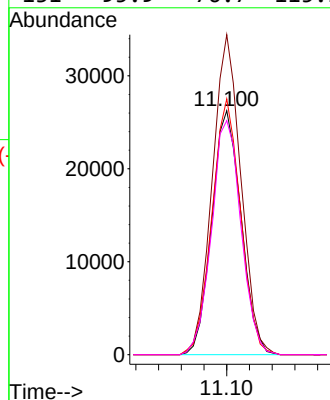
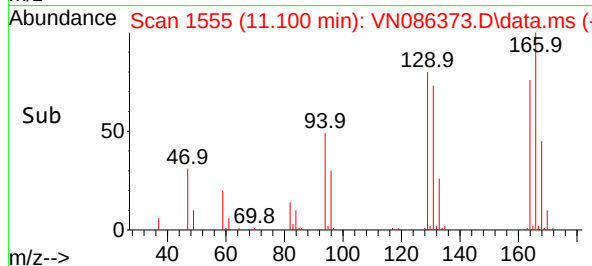
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:164 Resp: 46962
Ion Ratio Lower Upper
164 100
166 131.2 105.0 157.4
129 104.9 83.9 125.9
131 95.9 76.7 115.1

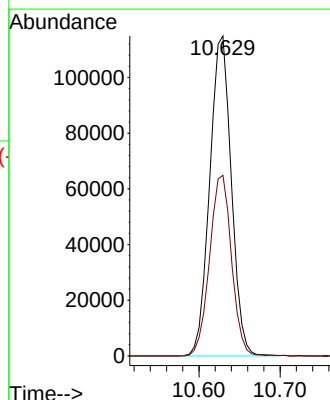
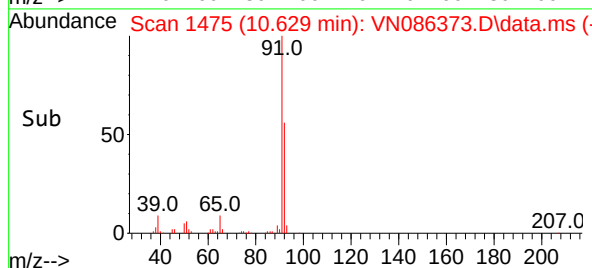
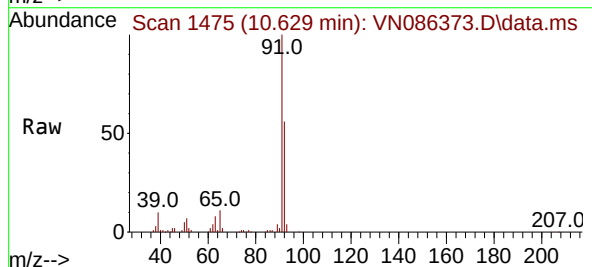
Manual Integrations
APPROVED

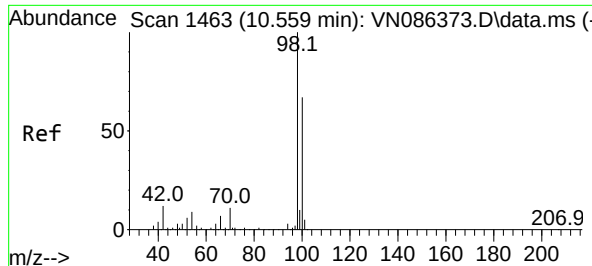
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#62
Toluene
Concen: 19.492 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion: 91 Resp: 212695
Ion Ratio Lower Upper
91 100
92 57.1 45.7 68.5





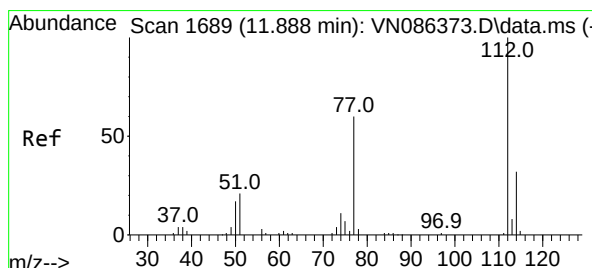
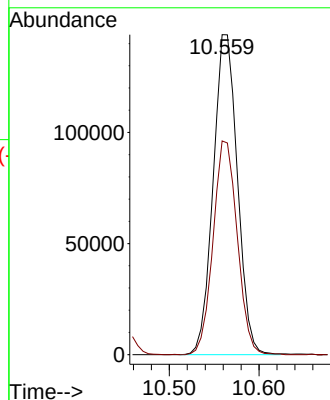
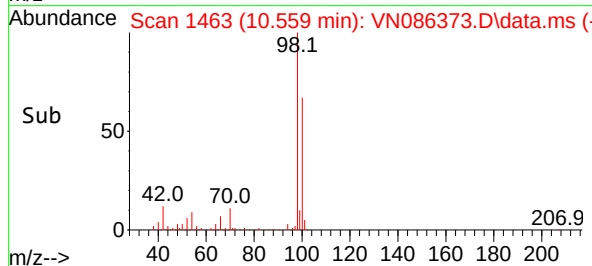
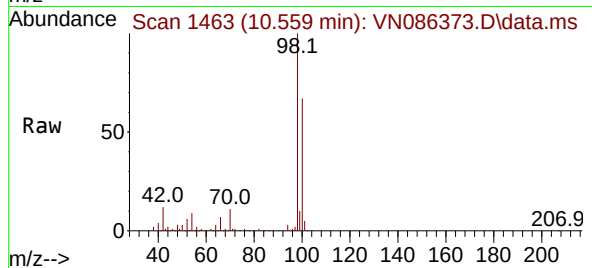
#63
Toluene-d8
Concen: 30.171 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 98 Resp: 270583
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

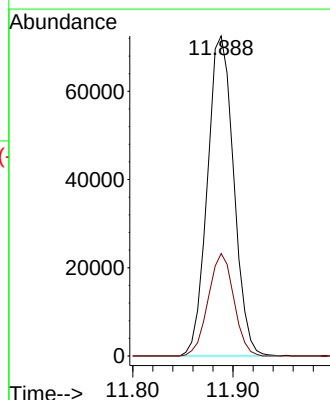
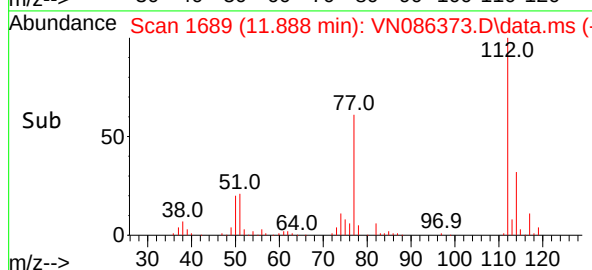
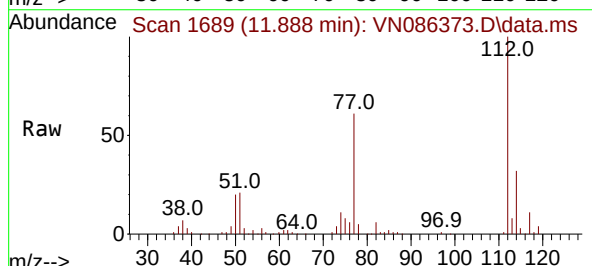
Manual Integrations
APPROVED

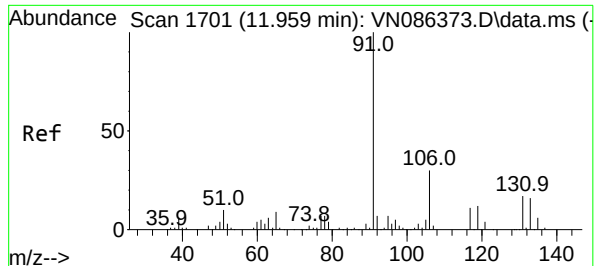
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#64
Chlorobenzene
Concen: 19.432 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion:112 Resp: 132119
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.241 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

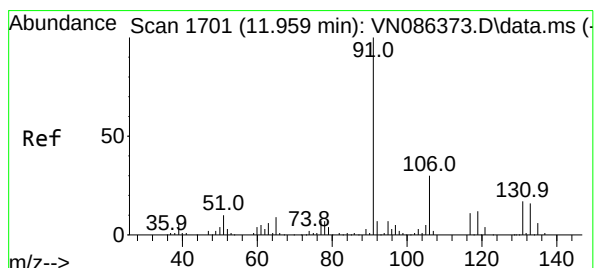
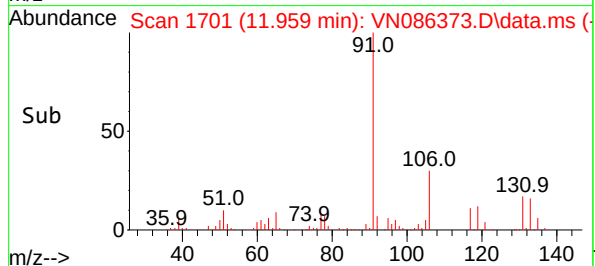
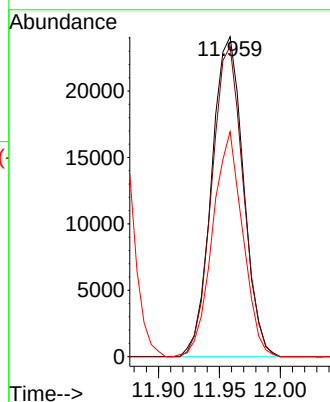
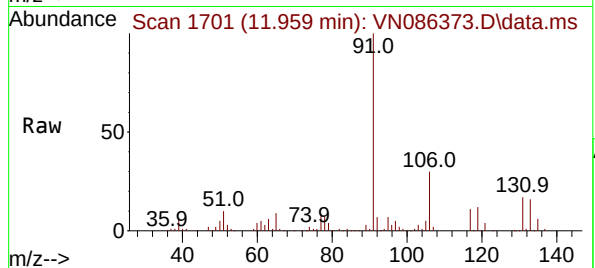
Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	0.0	191.4
119	66.8	0.0	133.6

Manual Integrations

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Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#66

Ethyl Benzene

Concen: 19.350 ug/l

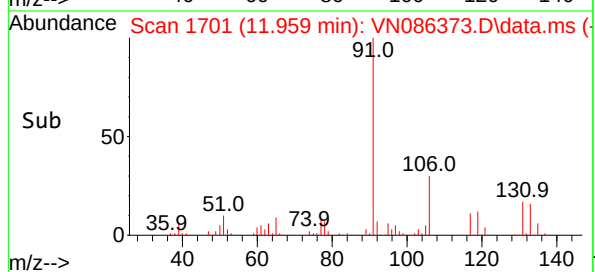
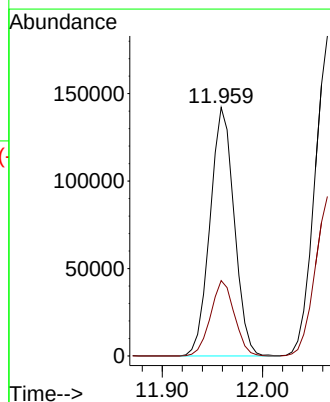
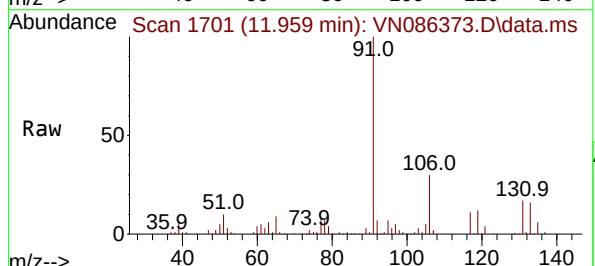
RT: 11.959 min Scan# 1701

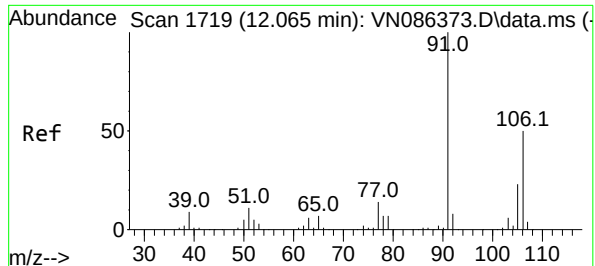
Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5





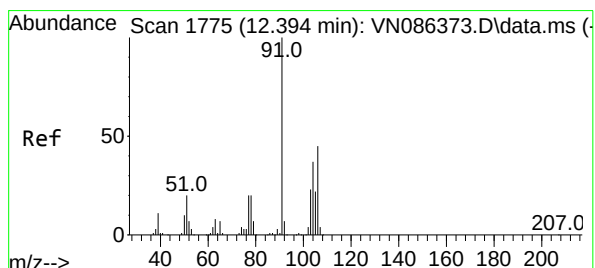
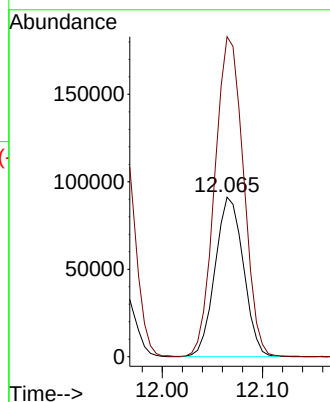
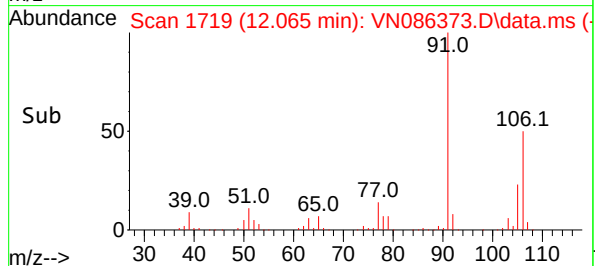
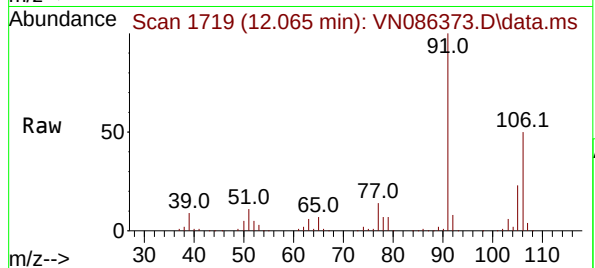
#67
m/p-Xylenes
Concen: 38.428 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 179085
Ion Ratio Lower Upper
106 100
91 203.2 162.6 243.8

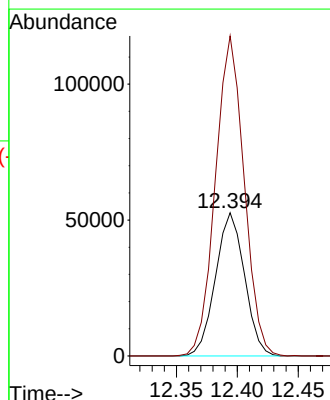
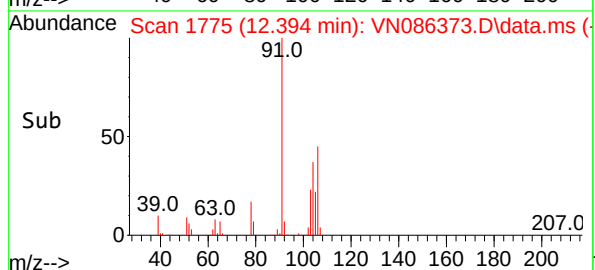
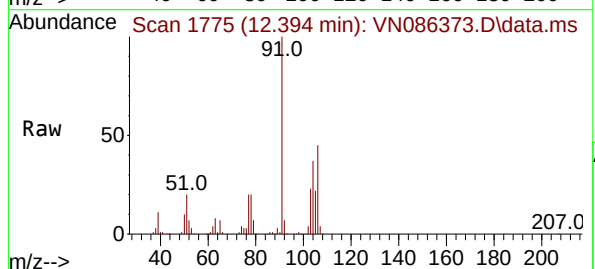
Manual Integrations
APPROVED

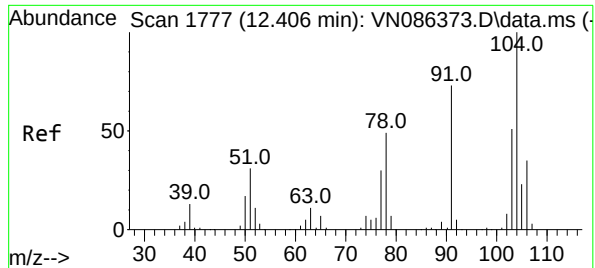
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#68
o-Xylene
Concen: 19.149 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion:106 Resp: 87377
Ion Ratio Lower Upper
106 100
91 221.1 110.6 331.6





#69

Styrene

Concen: 18.983 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:104 Resp: 14681

Ion Ratio Lower Upper

104 100

78 50.3 40.2 60.4

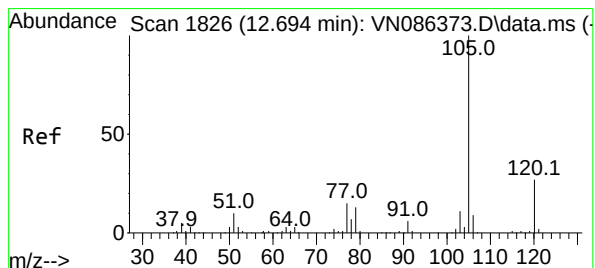
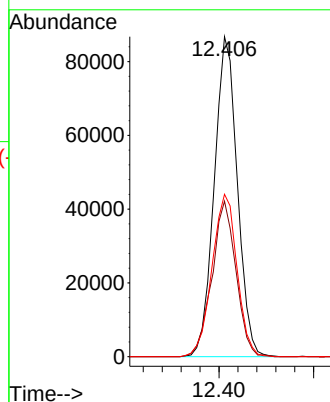
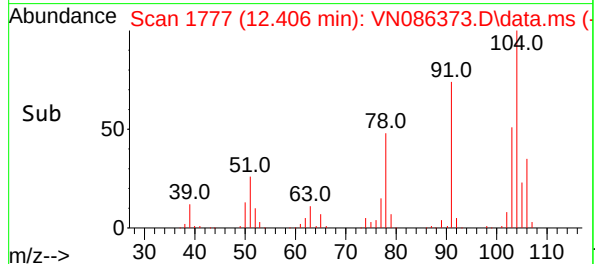
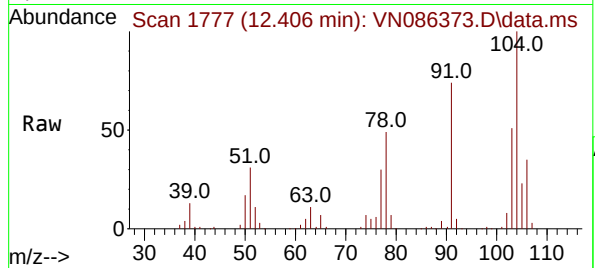
103 54.8 43.8 65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#70

Isopropylbenzene

Concen: 19.283 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN086373.D

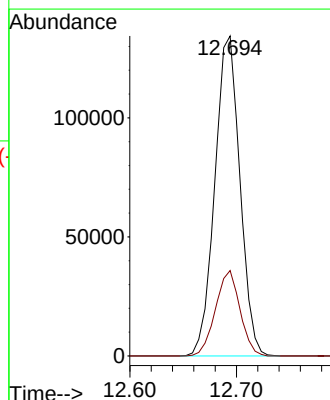
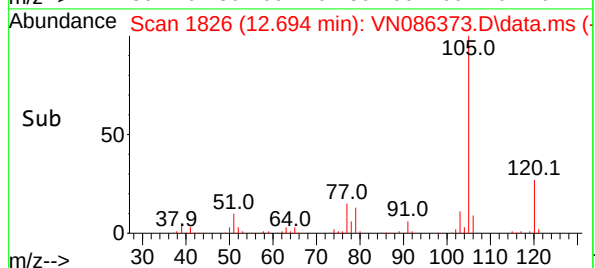
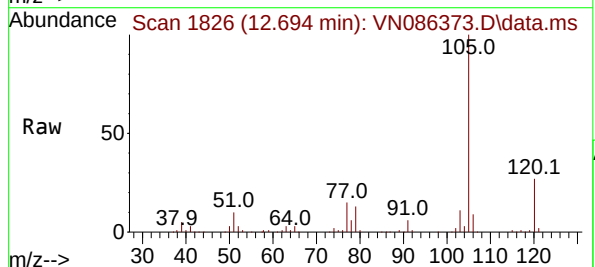
Acq: 23 Apr 2025 09:45

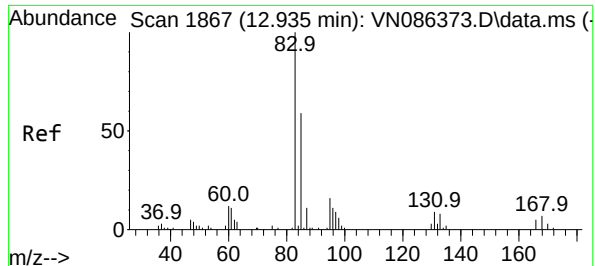
Tgt Ion:105 Resp: 219637

Ion Ratio Lower Upper

105 100

120 26.0 18.2 33.8





#71

1,1,2,2-Tetrachloroethane

Concen: 20.511 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 83 Resp: 61510

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

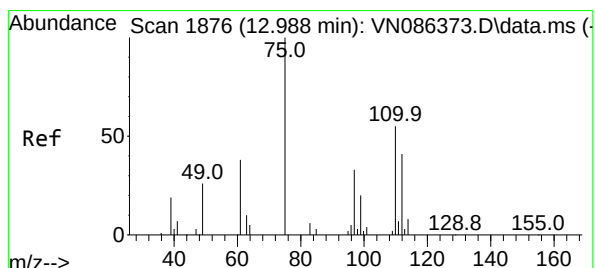
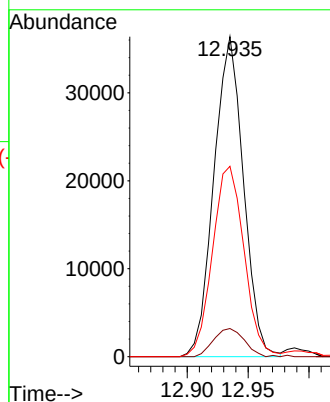
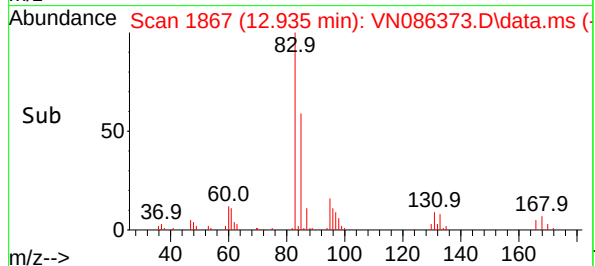
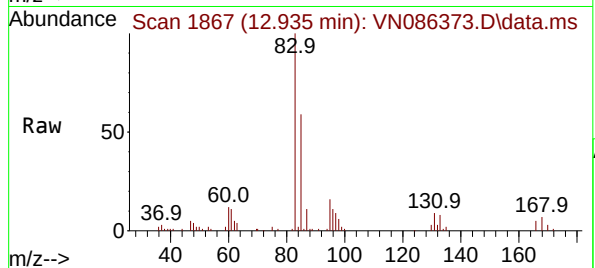
85 63.4 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#72

1,2,3-Trichloropropane

Concen: 19.411 ug/l m

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN086373.D

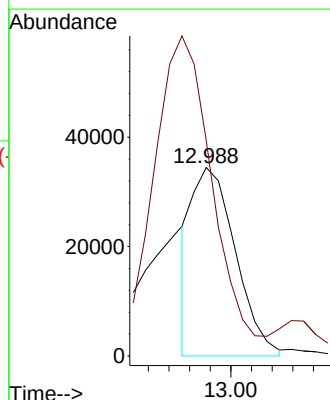
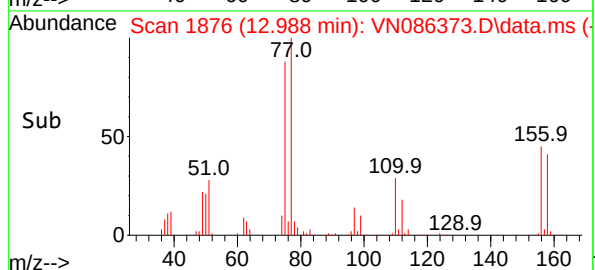
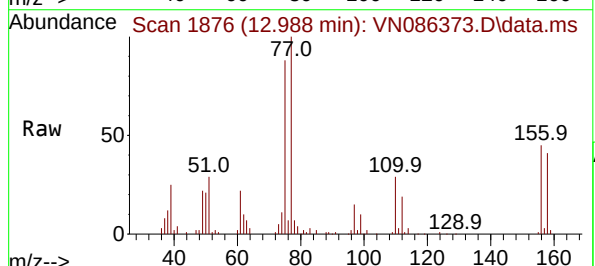
Acq: 23 Apr 2025 09:45

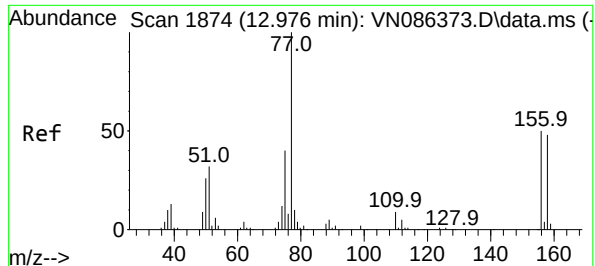
Tgt Ion: 75 Resp: 50447

Ion Ratio Lower Upper

75 100

77 232.2 0.0 464.4





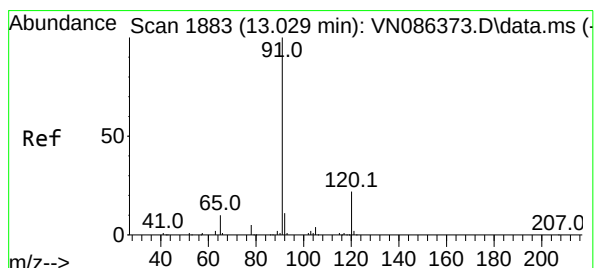
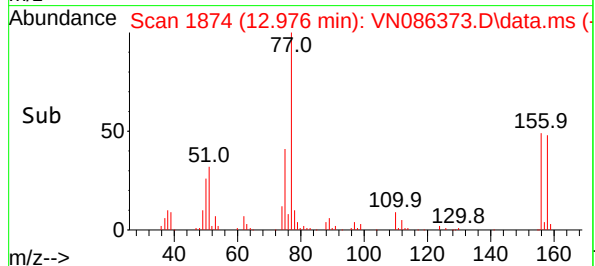
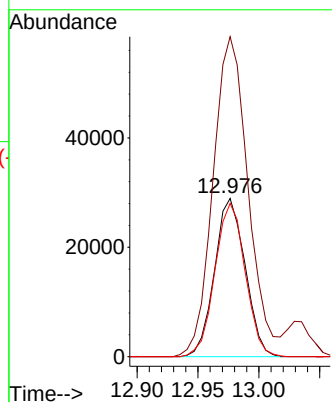
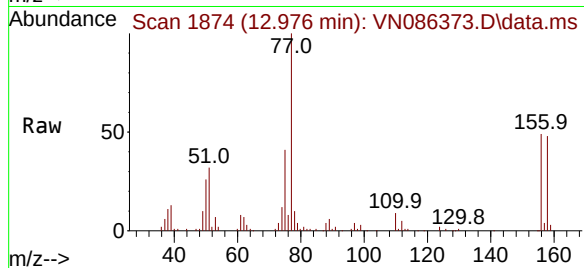
#73
Bromobenzene
Concen: 19.307 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:156 Resp: 50559
Ion Ratio Lower Upper
156 100
77 231.7 0.0 463.4
158 95.9 0.0 191.8

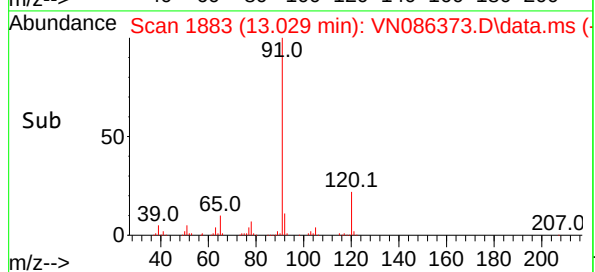
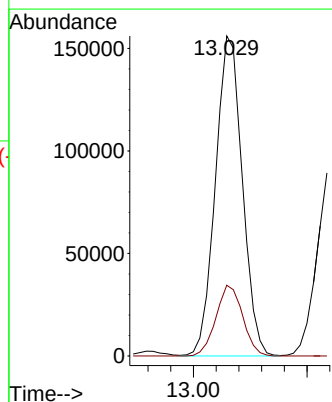
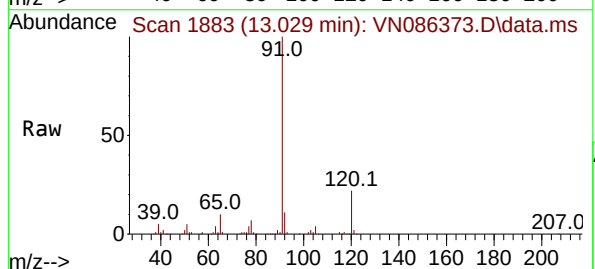
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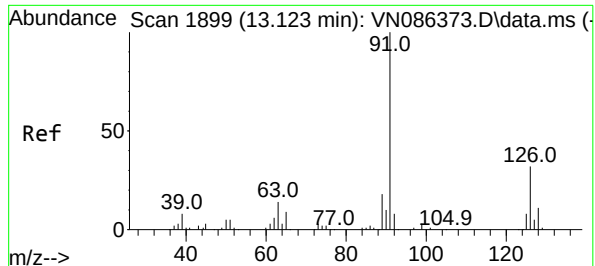
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#74
n-propylbenzene
Concen: 18.969 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion: 91 Resp: 256755
Ion Ratio Lower Upper
91 100
120 21.9 0.0 43.8





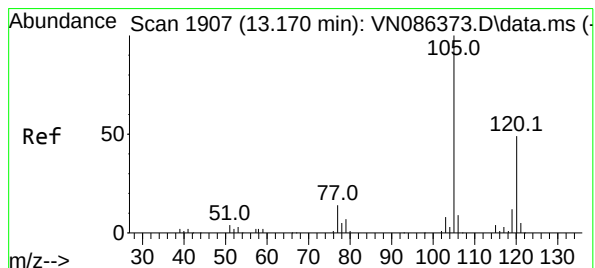
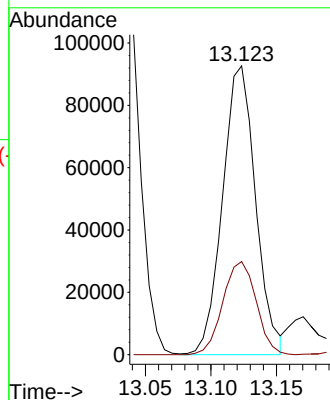
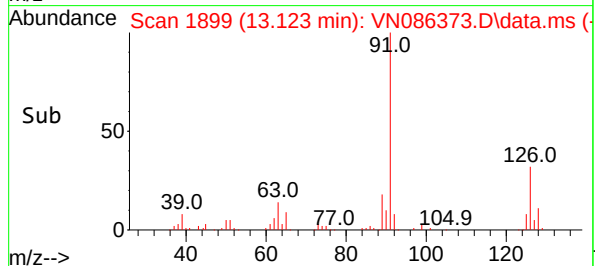
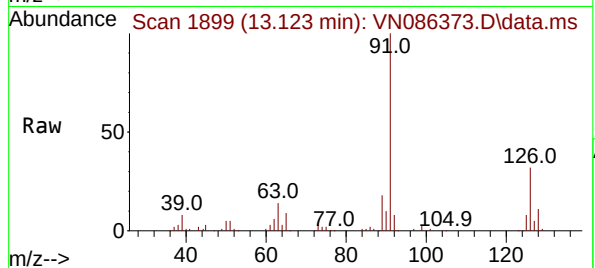
#75
2-Chlorotoluene
Concen: 19.217 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 162370
Ion Ratio Lower Upper
91 100
126 32.5 0.0 65.0

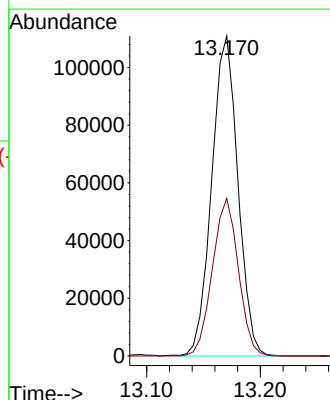
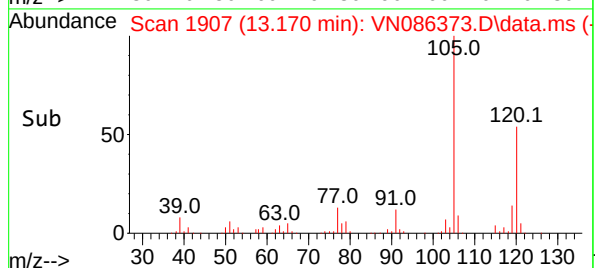
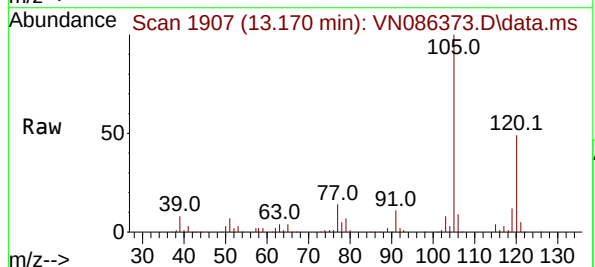
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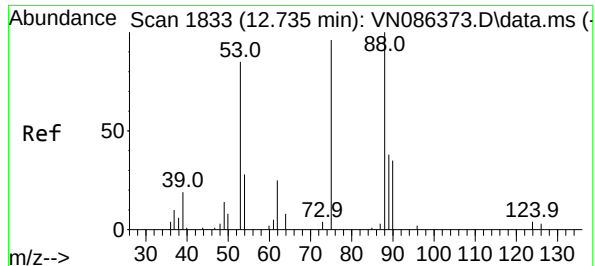
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 18.987 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion:105 Resp: 177449
Ion Ratio Lower Upper
105 100
120 48.8 0.0 97.6





#77

t-1,4-Dichloro-2-butene

Concen: 18.653 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 75 Resp: 2475

Ion Ratio Lower Upper

75 100

53 92.0 46.0 138.0

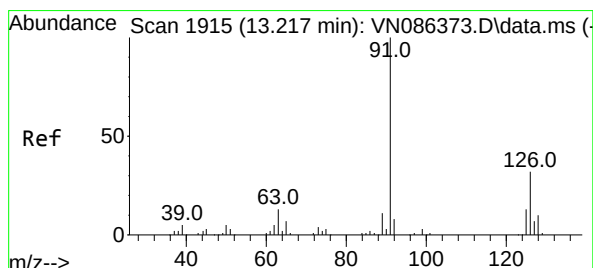
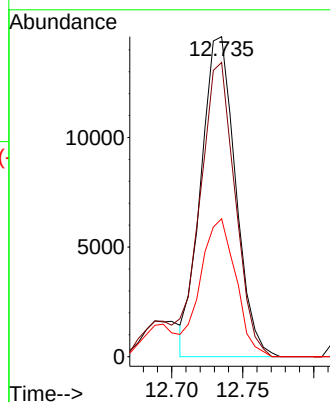
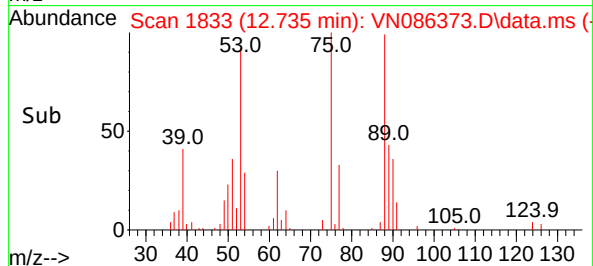
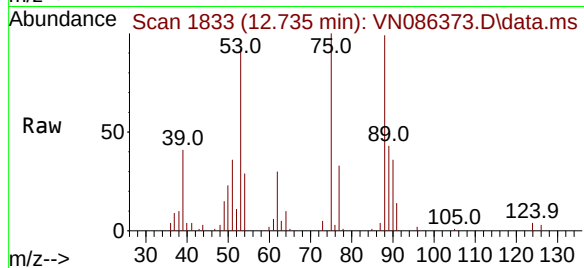
89 43.1 21.6 64.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#78

4-Chlorotoluene

Concen: 18.576 ug/l

RT: 13.217 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VN086373.D

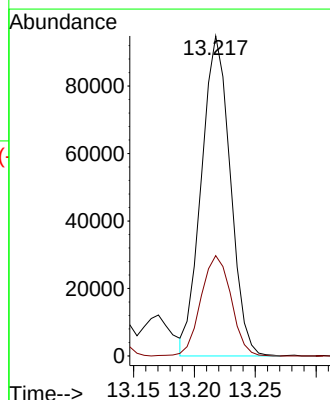
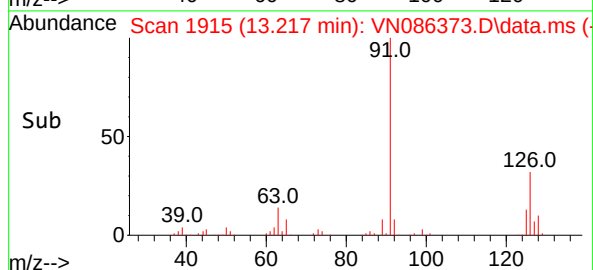
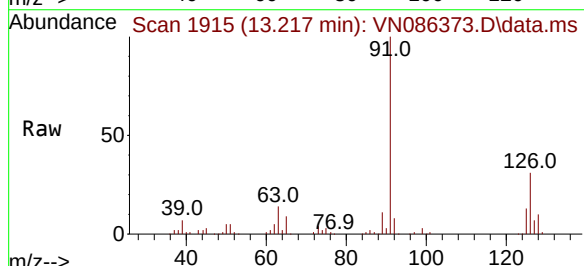
Acq: 23 Apr 2025 09:45

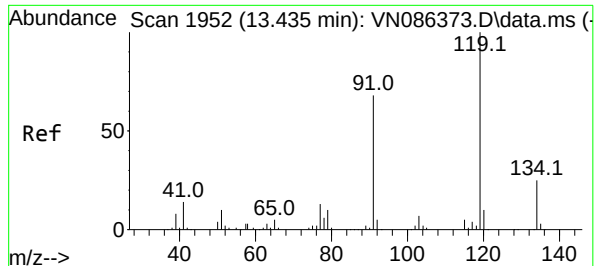
Tgt Ion: 91 Resp: 156935

Ion Ratio Lower Upper

91 100

126 32.7 0.0 65.4





#79

tert-butylbenzene

Concen: 19.073 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:119 Resp: 15266

Ion Ratio Lower Upper

119 100

91 68.7 0.0 137.4

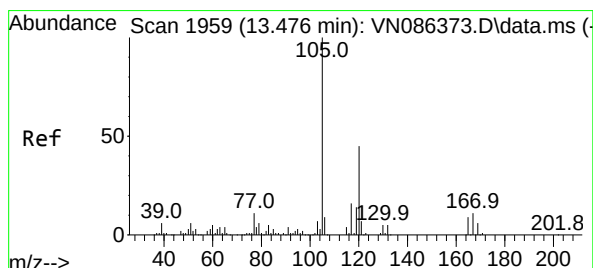
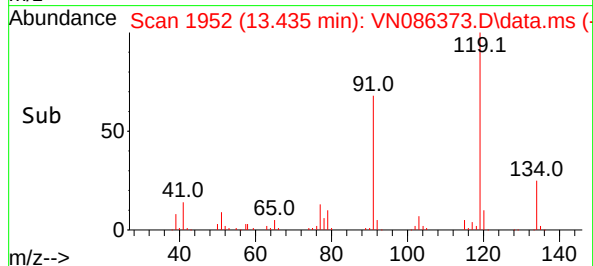
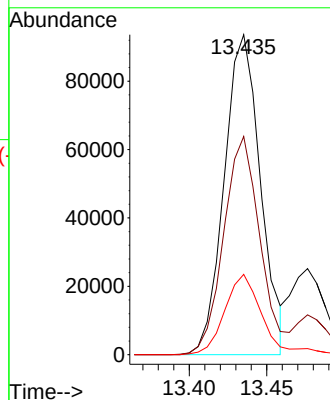
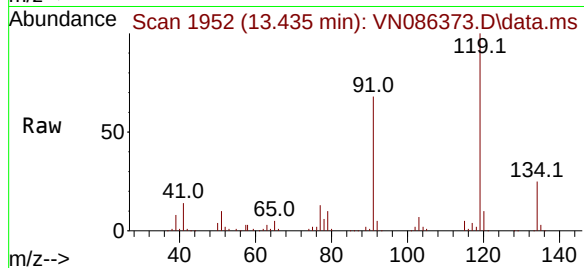
134 24.6 0.0 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#80

1,2,4-Trimethylbenzene

Concen: 18.949 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. 0.000 min

Lab File: VN086373.D

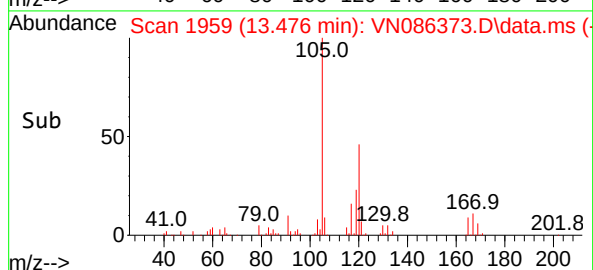
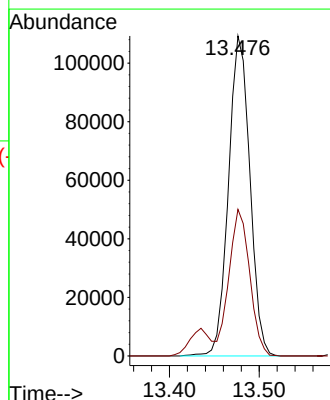
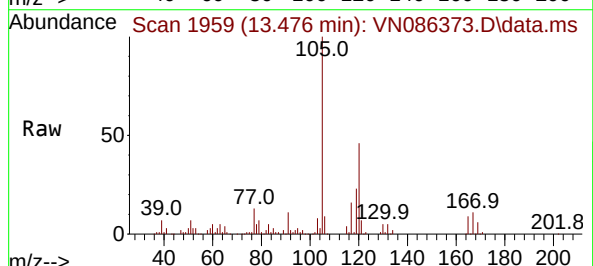
Acq: 23 Apr 2025 09:45

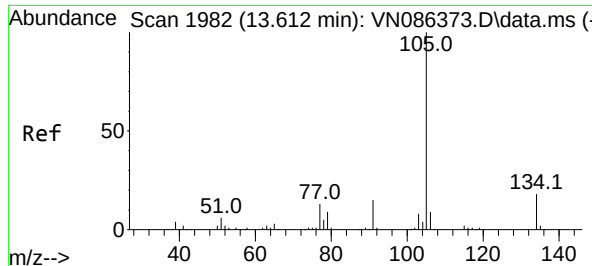
Tgt Ion:105 Resp: 180860

Ion Ratio Lower Upper

105 100

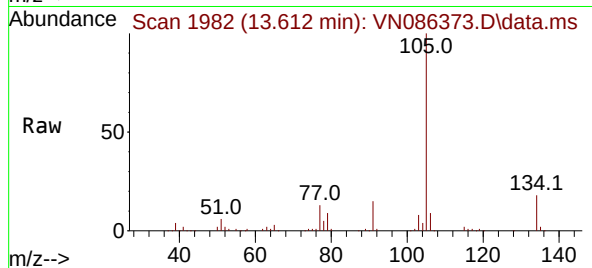
120 43.8 0.0 87.6





#81
sec-Butylbenzene
Concen: 18.686 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

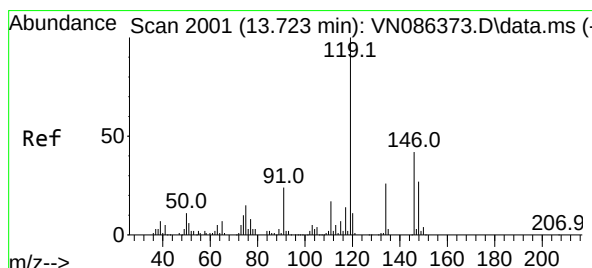
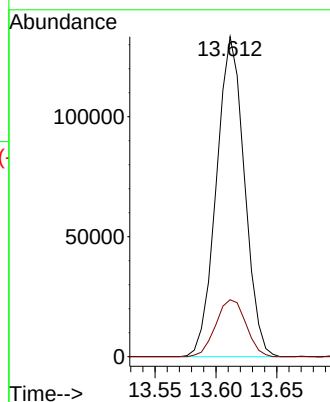
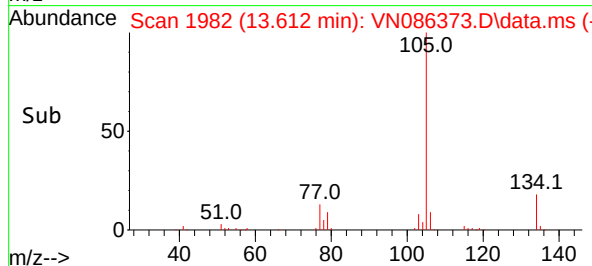
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:105 Resp: 21349
Ion Ratio Lower Upper
105 100
134 19.2 0.0 38.4

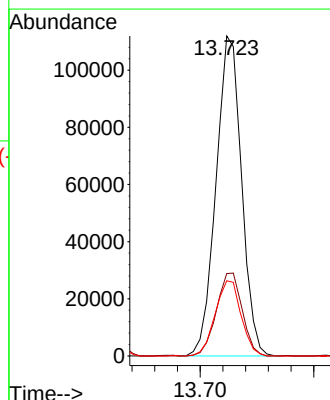
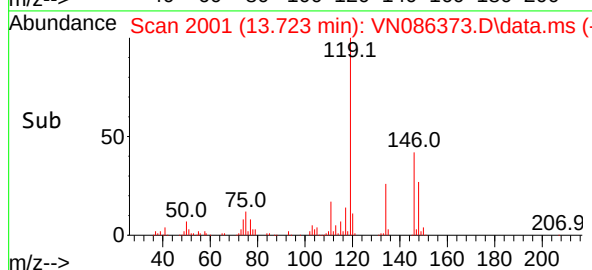
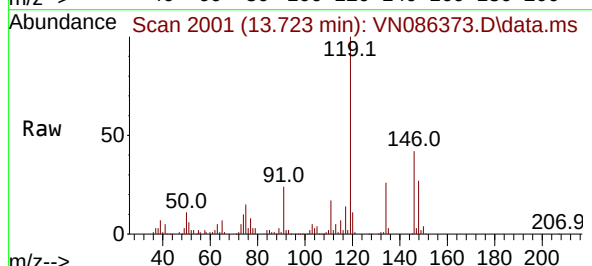
Manual Integrations
APPROVED

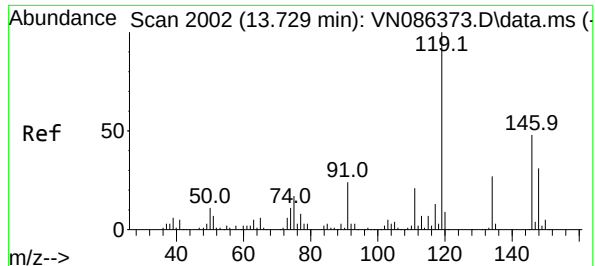
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#82
p-Isopropyltoluene
Concen: 18.304 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

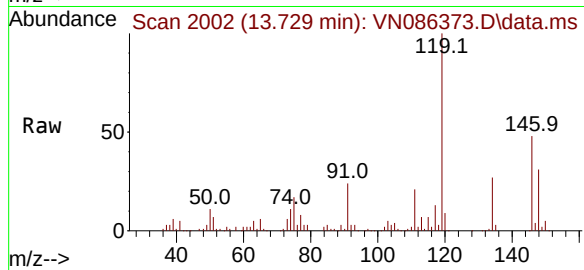
Tgt Ion:119 Resp: 175002
Ion Ratio Lower Upper
119 100
134 26.1 0.0 52.2
91 23.8 0.0 47.6





#83
1,3-Dichlorobenzene
Concen: 18.311 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

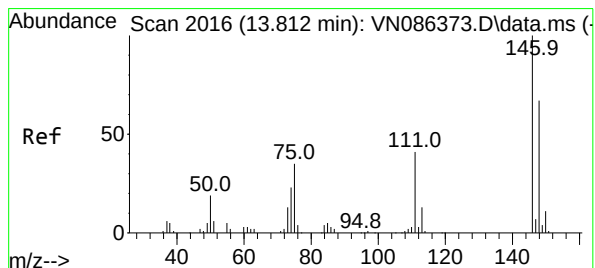
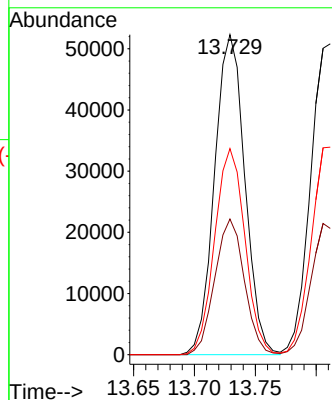
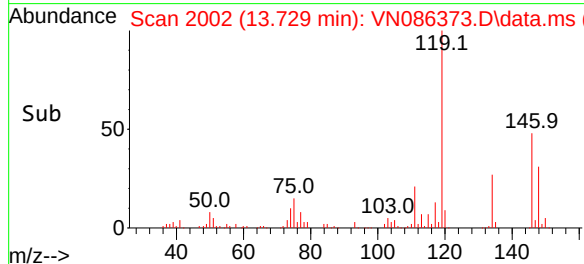
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:146 Resp: 9064
Ion Ratio Lower Upper
146 100
111 41.4 20.7 62.1
148 64.5 32.3 96.8

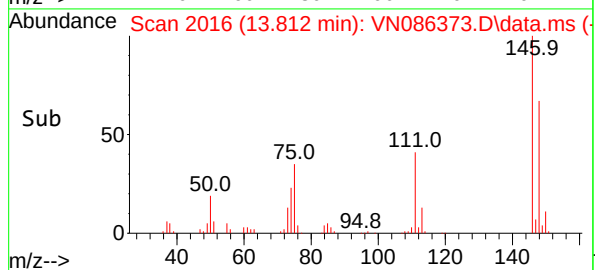
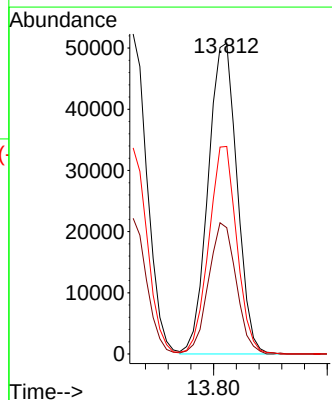
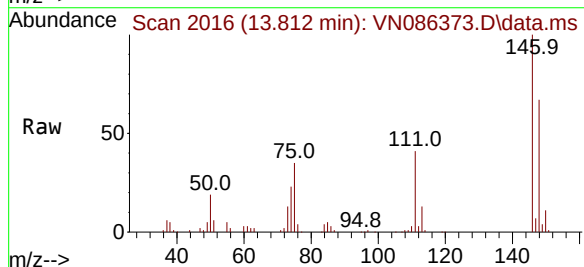
Manual Integrations
APPROVED

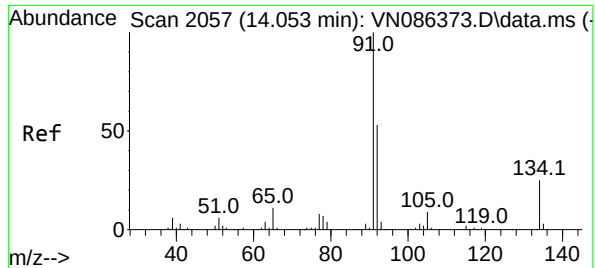
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#84
1,4-Dichlorobenzene
Concen: 18.342 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion:146 Resp: 89707
Ion Ratio Lower Upper
146 100
111 40.5 20.3 60.8
148 64.8 32.4 97.2





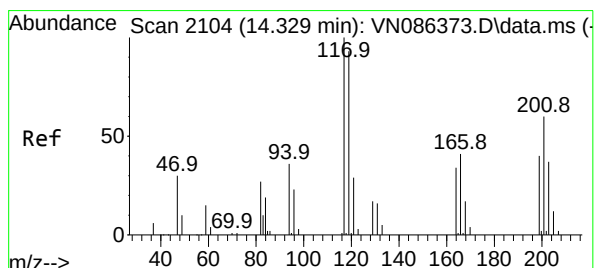
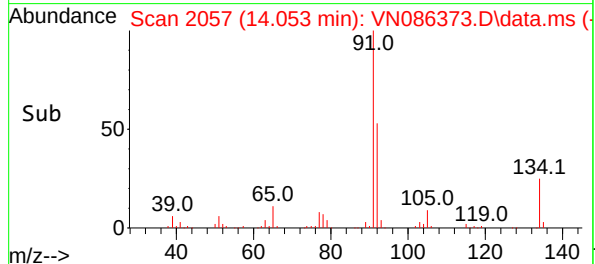
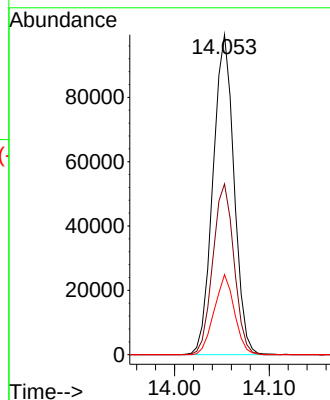
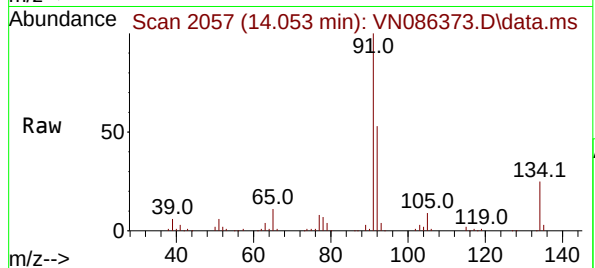
#85
n-Butylbenzene
Concen: 17.991 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 91 Resp: 153480
Ion Ratio Lower Upper
91 100
92 53.6 0.0 107.2
134 24.1 0.0 48.2

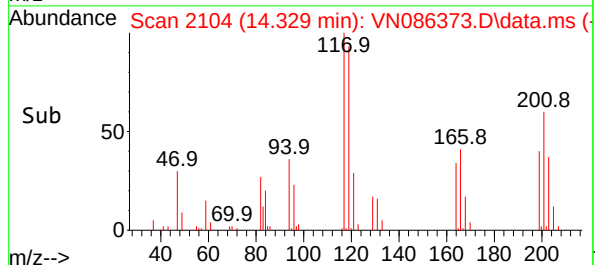
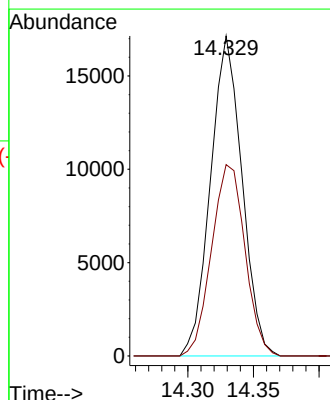
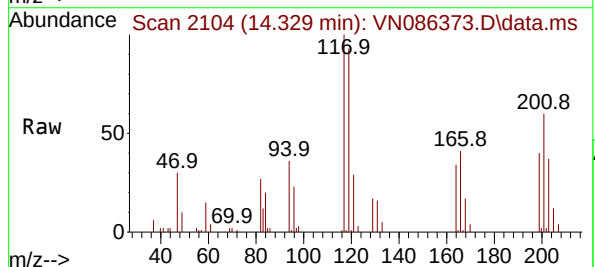
Manual Integrations
APPROVED

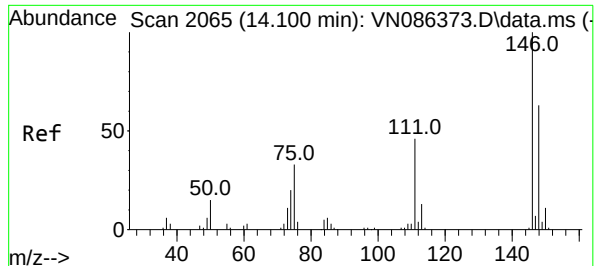
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#86
Hexachloroethane
Concen: 18.313 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion:117 Resp: 28629
Ion Ratio Lower Upper
117 100
201 63.4 31.7 95.1





#87

1,2-Dichlorobenzene

Concen: 18.450 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

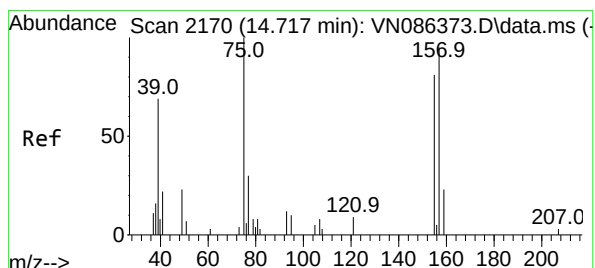
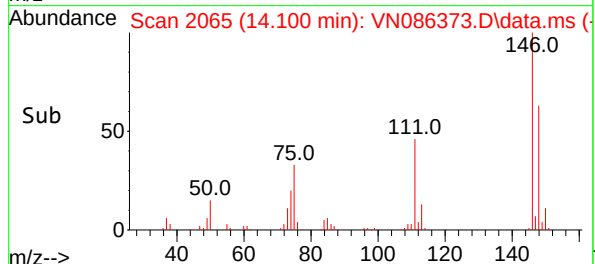
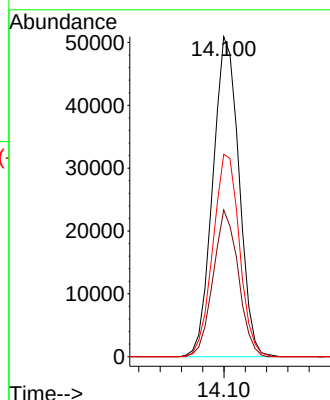
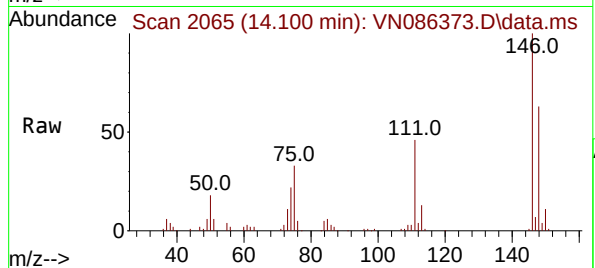
Tgt Ion:	146	Resp:	8689
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.1	66.3
148	64.0	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.182 ug/l

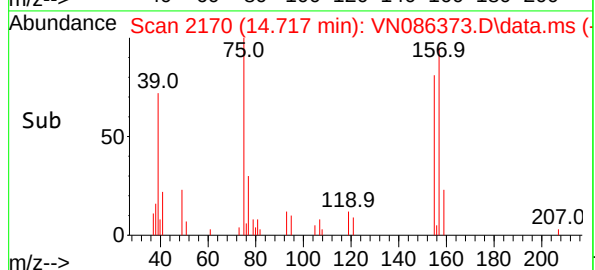
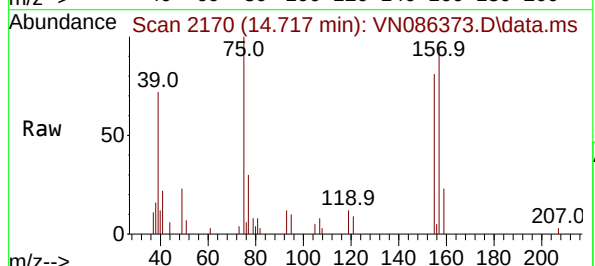
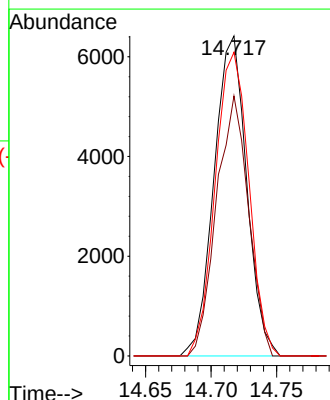
RT: 14.717 min Scan# 2170

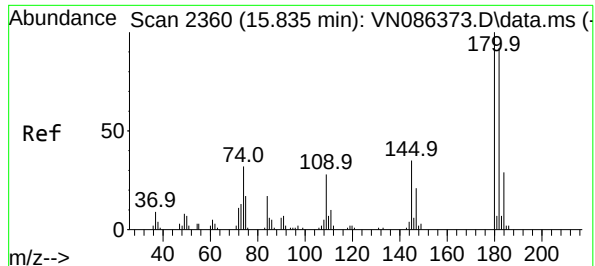
Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Tgt Ion:	75	Resp:	11084
Ion Ratio	Lower	Upper	
75	100		
155	80.0	64.0	96.0
157	97.8	78.2	117.4





#89

1,2,4-Trichlorobenzene

Concen: 17.609 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

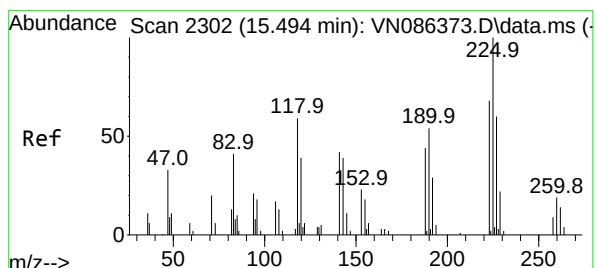
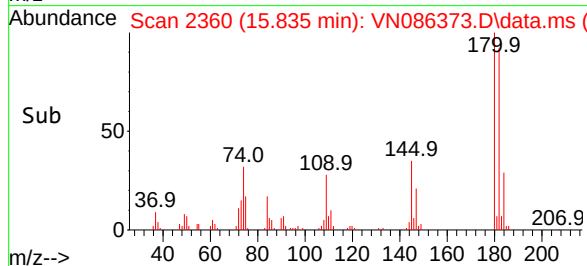
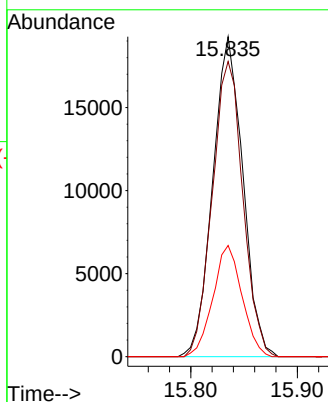
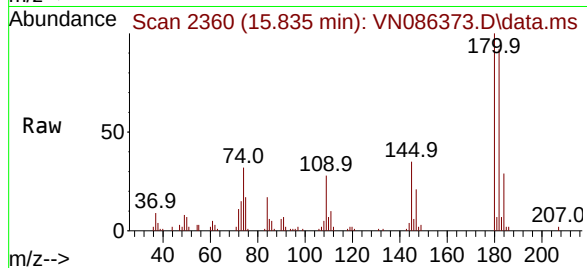
Tgt Ion:	180	Resp:	3780
Ion Ratio	Lower	Upper	
180	100		
182	93.5	74.8	112.2
145	33.6	26.9	40.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#90

Hexachlorobutadiene

Concen: 17.847 ug/l

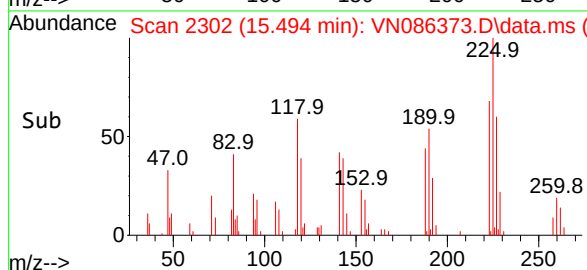
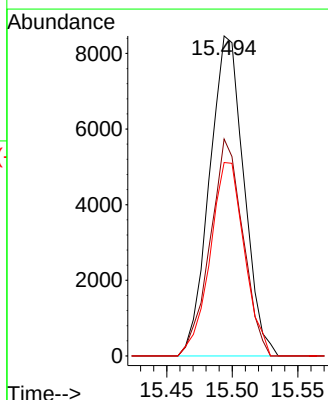
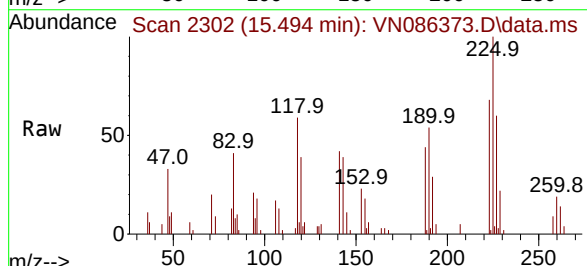
RT: 15.494 min Scan# 2302

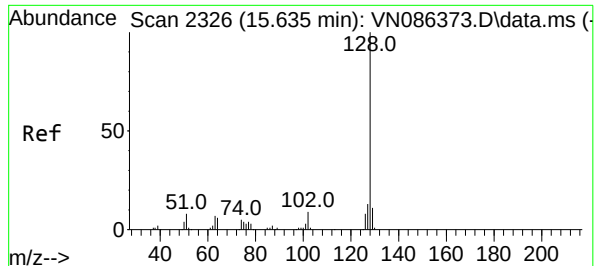
Delta R.T. 0.000 min

Lab File: VN086373.D

Acq: 23 Apr 2025 09:45

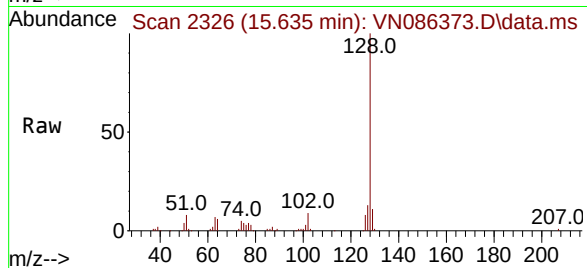
Tgt Ion:	225	Resp:	15432
Ion Ratio	Lower	Upper	
225	100		
223	64.4	0.0	128.8
227	60.1	0.0	120.2





#91
Naphthalene
Concen: 17.630 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

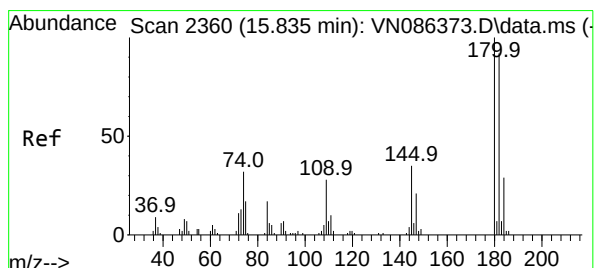
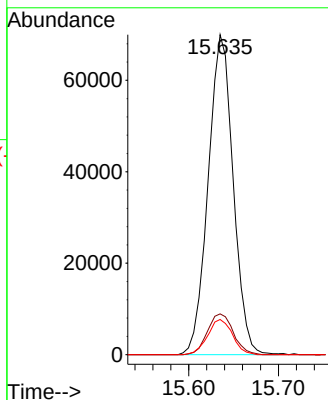
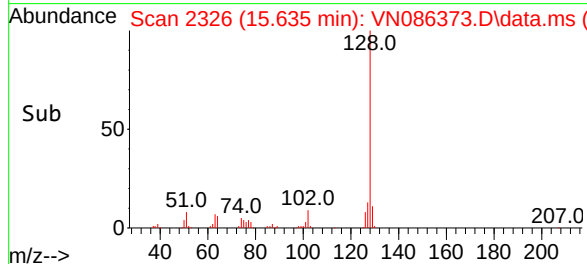
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:128 Resp: 135497
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.9 8.7 13.1

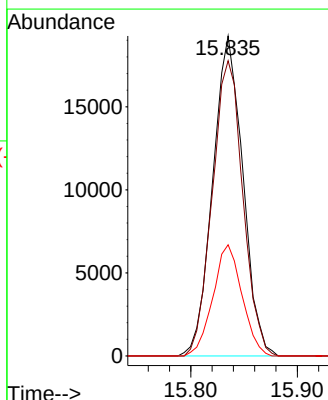
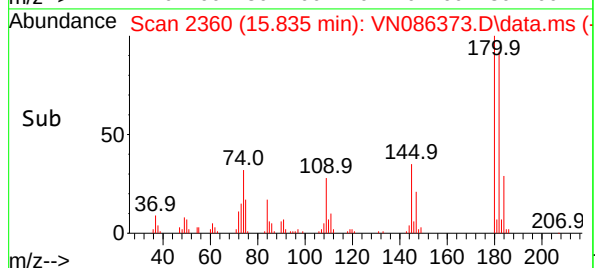
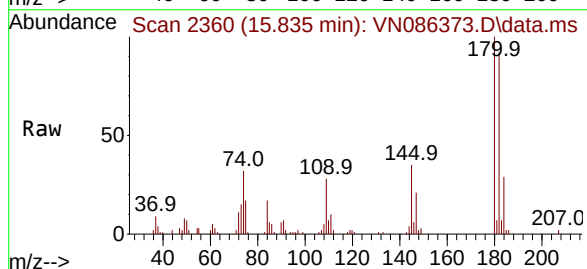
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 17.609 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086373.D
Acq: 23 Apr 2025 09:45

Tgt Ion:180 Resp: 37802
Ion Ratio Lower Upper
180 100
182 93.5 0.0 187.0
145 33.6 0.0 67.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086378.D
 Acq On : 23 Apr 2025 11:53
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:24:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 03:57:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	30321	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	175444	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	164865	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84791	29.005	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.667%		
60) 4-Bromofluorobenzene	12.847	95	102335	31.582	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	105.267%		
63) Toluene-d8	10.565	98	269389	29.701	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	299421	143.036	ug/l	98
3) Chloromethane	2.359	50	402250	135.277	ug/l	98
4) Vinyl Chloride	2.512	62	401875	141.109	ug/l	99
5) Bromomethane	2.936	94	203863	137.107	ug/l	99
6) Chloroethane	3.112	64	272792	143.678	ug/l	96
7) Trichlorofluoromethane	3.495	101	483366	143.788	ug/l	99
8) Diethyl Ether	3.959	74	204867	144.374	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	301117	145.702	ug/l	98
10) 1,1-Dichloroethene	4.336	96	304401	143.905	ug/l	96
11) Methyl Iodide	4.583	142	373705	150.992	ug/l	97
12) Methyl Acetate	5.018	43	461659	153.979	ug/l	99
13) Acrolein	4.177	56	81825	737.319	ug/l	98
14) Acrylonitrile	5.712	53	835092	748.379	ug/l	99
15) Acetone	4.418	58	226833	737.712	ug/l	97
16) Carbon Disulfide	4.712	76	741034	132.947	ug/l	99
17) Allyl chloride	5.018	41	488863	144.536	ug/l	97
18) Methylene Chloride	5.271	84	350170	145.364	ug/l	97
19) trans-1,2-Dichloroethene	5.789	96	331115	146.862	ug/l	97
20) Diisopropyl ether	6.665	45	1209486	150.395	ug/l	96
21) 1,1-Dichloroethane	6.565	63	650070	147.673	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	419371	148.755	ug/l	98
23) tert-Butyl Alcohol	5.512	59	299669	693.246	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	1155950	147.908	ug/l	100
25) Chloroform	7.965	83	654724	146.957	ug/l	98
26) Cyclohexane	8.253	56	566144	145.656	ug/l #	99
29) 1,1-Dichloropropene	8.371	75	474701	153.479	ug/l	99
30) 2-Butanone	7.477	43	1154112	768.782	ug/l	100
31) 2,2-Dichloropropane	7.488	77	605480	152.287	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	560564	151.669	ug/l	99
33) Carbon Tetrachloride	8.359	117	465350	152.946	ug/l	97
34) Benzene	8.600	78	1491870	151.652	ug/l	97
35) Methacrylonitrile	7.771	41	264432	154.415	ug/l	97
36) 1,2-Dichloroethane	8.665	62	487034	152.489	ug/l	100
37) Trichloroethene	9.347	130	387155	157.207	ug/l	95
38) Methylcyclohexane	9.594	83	538821	150.840	ug/l	99
39) 1,2-Dichloropropane	9.618	63	364271	149.889	ug/l	98
40) Dibromomethane	9.706	93	248997	153.205	ug/l	98
41) Bromodichloromethane	9.882	83	525304	152.734	ug/l	99
42) Vinyl Acetate	6.600	43	3696622	710.838	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086378.D
 Acq On : 23 Apr 2025 11:53
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:24:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 03:57:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	443217	149.188	ug/l	99
44) Isopropyl Acetate	8.683	43	834366	147.977	ug/l	98
45) 1,4-Dioxane	9.694	88	129985	2954.683	ug/l	96
46) Methyl methacrylate	9.677	41	398936	153.385	ug/l	99
47) n-amyl Acetate	12.488	43	794729	165.368	ug/l	100
48) t-1,3-Dichloropropene	10.829	75	606406	157.708	ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	632116	155.890	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	351630	154.894	ug/l	98
51) Ethyl methacrylate	10.871	69	626046	158.346	ug/l	99
52) 1,3-Dichloropropane	11.159	76	618867	154.247	ug/l	99
53) Dibromochloromethane	11.353	129	400588	157.150	ug/l	99
54) 1,2-Dibromoethane	11.465	107	357033	154.682	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	1507826	811.169	ug/l	100
56) Bromoform	12.576	173	269808	163.108	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	2458272	770.528	ug/l	100
59) 2-Hexanone	11.194	43	1818182	773.342	ug/l	99
61) Tetrachloroethene	11.100	164	388387	154.457	ug/l	96
62) Toluene	10.624	91	1668443	151.191	ug/l	99
64) Chlorobenzene	11.888	112	1045317	152.021	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	355984	154.833	ug/l	99
66) Ethyl Benzene	11.959	91	1924632	154.943	ug/l	99
67) m/p-Xylenes	12.071	106	1465950	311.039	ug/l	98
68) o-Xylene	12.394	106	723738	156.834	ug/l	98
69) Styrene	12.406	104	1271246	162.527	ug/l	100
70) Isopropylbenzene	12.694	105	1820093	158.002	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	445651	146.927	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	413811m	157.445	ug/l	
73) Bromobenzene	12.976	156	419234	158.301	ug/l	98
74) n-propylbenzene	13.035	91	2201757	160.846	ug/l	100
75) 2-Chlorotoluene	13.123	91	1351179	158.123	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	1539420	162.869	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	220662	164.423	ug/l	97
78) 4-Chlorotoluene	13.218	91	1398536	163.684	ug/l	100
79) tert-butylbenzene	13.435	119	1289675	159.319	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	1578141	163.487	ug/l	97
81) sec-Butylbenzene	13.612	105	1869347	161.777	ug/l	99
82) p-Isopropyltoluene	13.723	119	1628968	168.473	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	833116	166.415	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	817212	165.219	ug/l	99
85) n-Butylbenzene	14.053	91	1470566	170.449	ug/l	99
86) Hexachloroethane	14.329	117	267570	169.237	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	773464	162.374	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	98763	160.195	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	358682	165.211	ug/l	99
90) Hexachlorobutadiene	15.494	225	132753	151.803	ug/l	98
91) Naphthalene	15.635	128	1293022	166.356	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	358682	165.211	ug/l	99

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

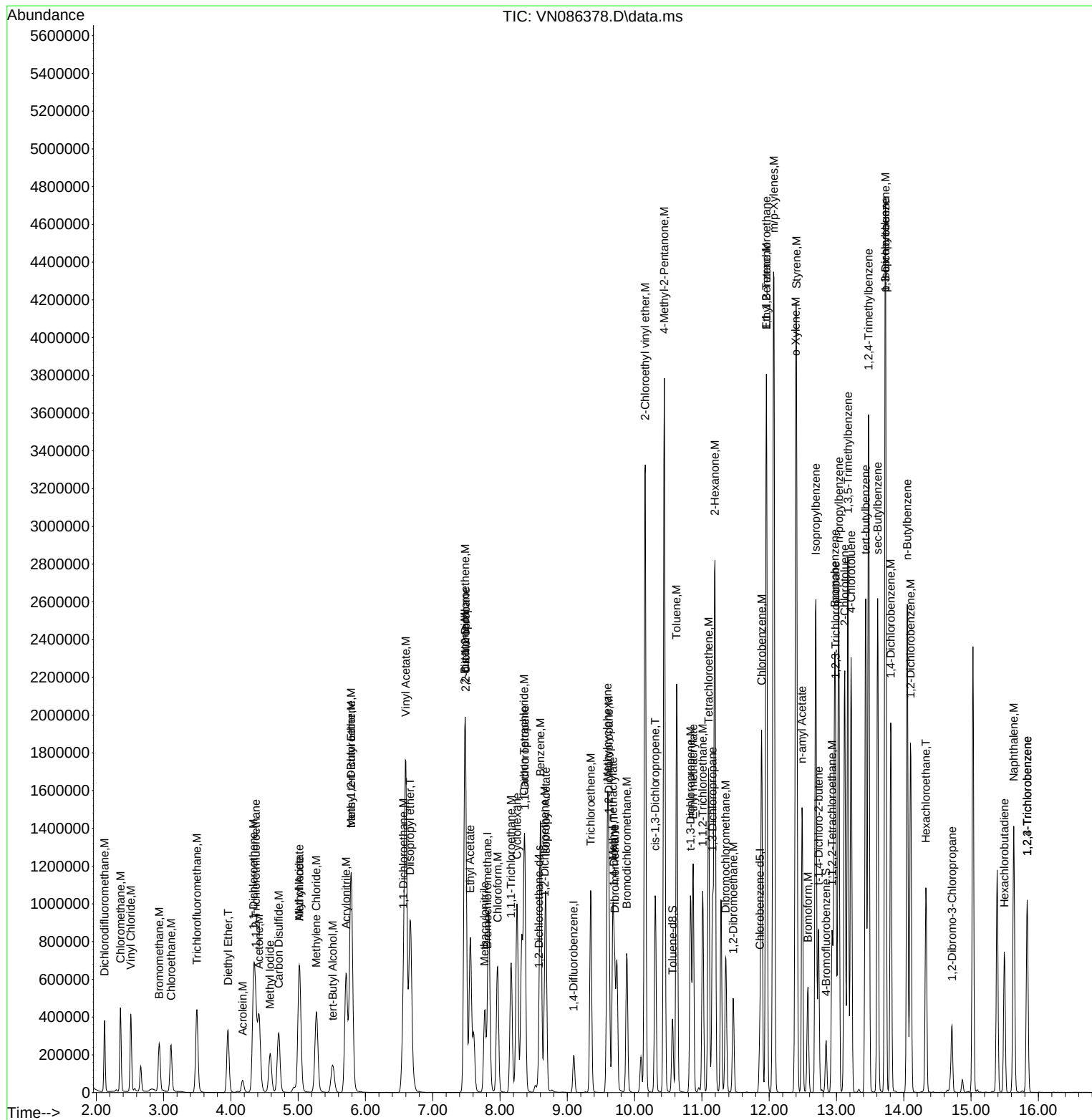
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086378.D
Acq On : 23 Apr 2025 11:53
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

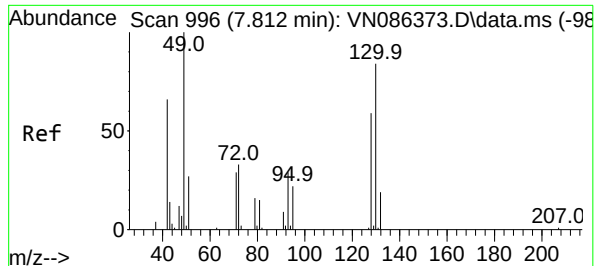
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration





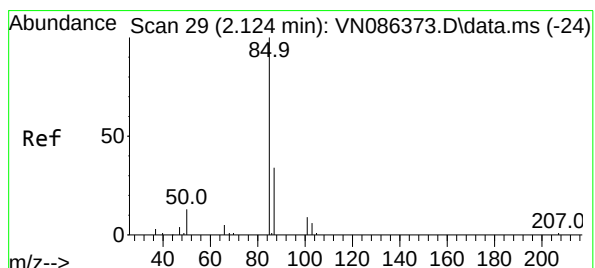
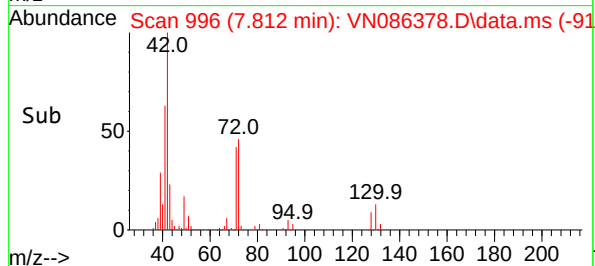
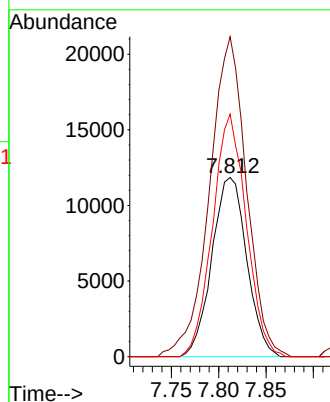
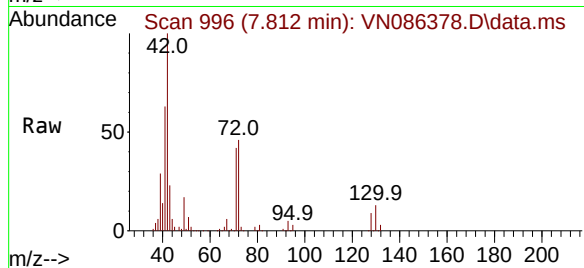
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion	Ratio	Lower	Upper
128	100		
49	189.2	0.0	433.8
130	131.0	0.0	325.0

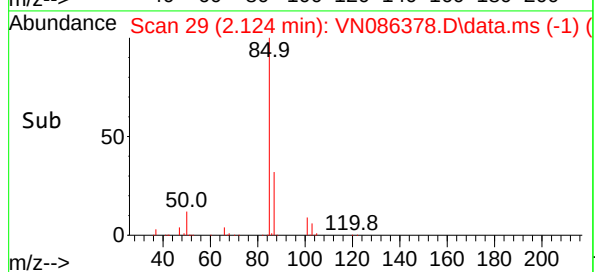
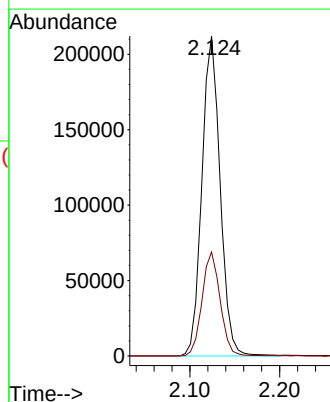
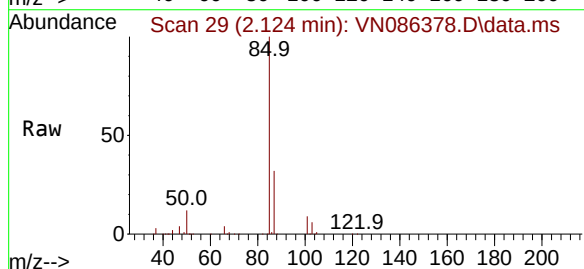
Manual Integrations
APPROVED

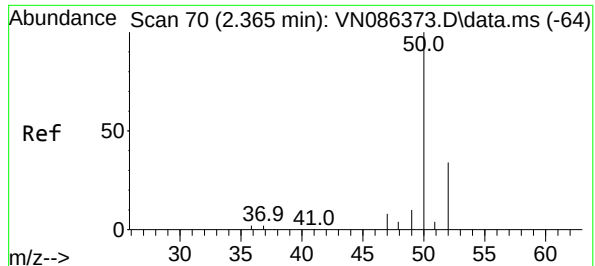
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#2
Dichlorodifluoromethane
Concen: 143.036 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.0	50.9





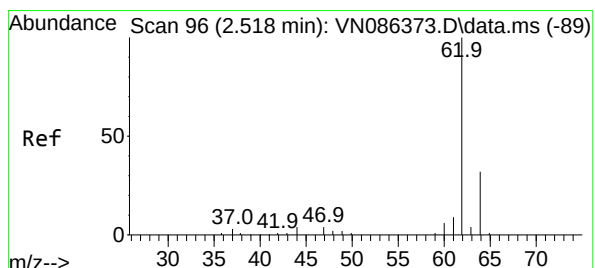
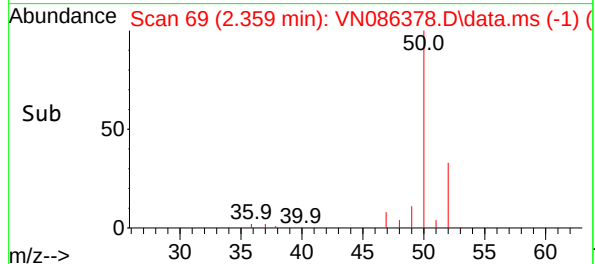
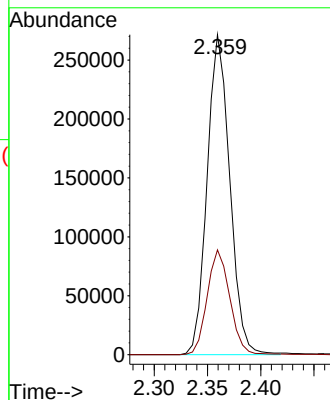
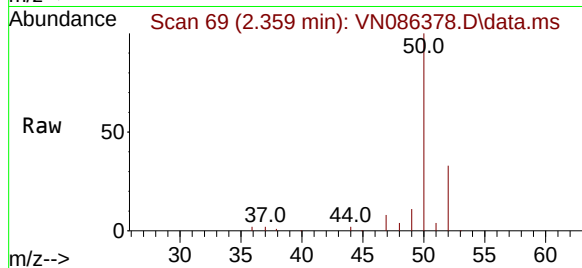
#3
Chloromethane
Concen: 135.277 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 402250
Ion Ratio Lower Upper
50 100
52 32.8 27.3 40.9

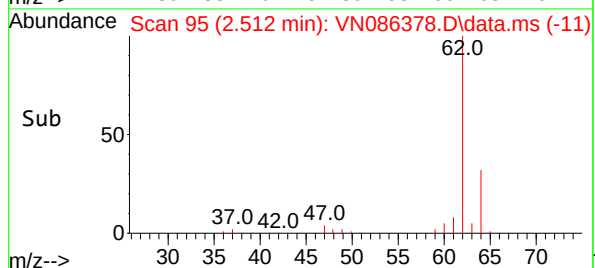
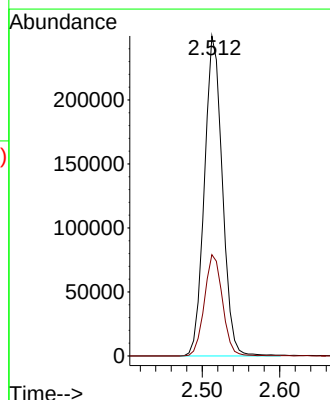
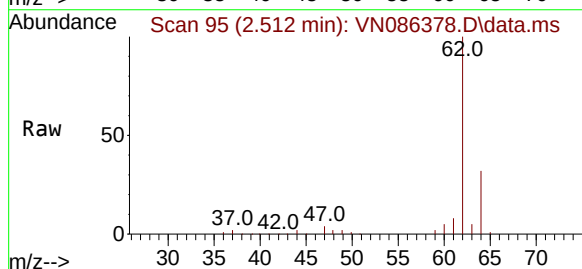
Manual Integrations
APPROVED

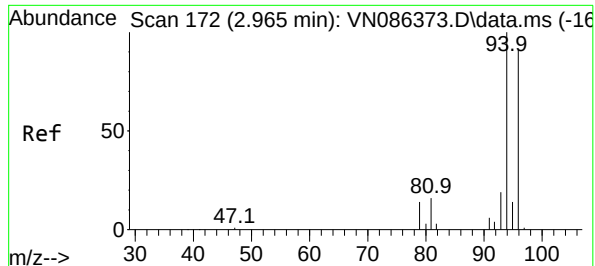
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#4
Vinyl Chloride
Concen: 141.109 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

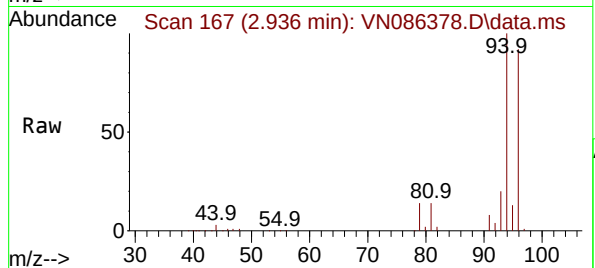
Tgt Ion: 62 Resp: 401875
Ion Ratio Lower Upper
62 100
64 31.7 25.8 38.8





#5
Bromomethane
Concen: 137.107 ug/l
RT: 2.936 min Scan# 10
Delta R.T. -0.029 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

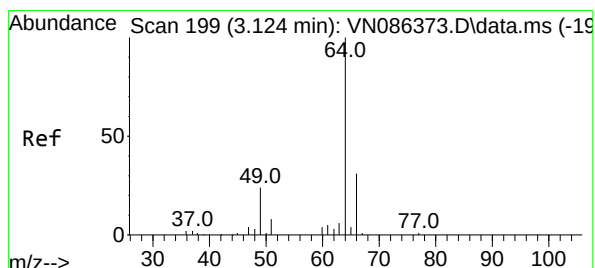
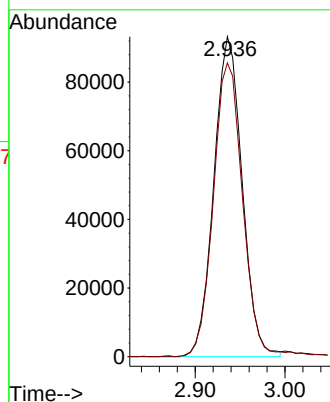
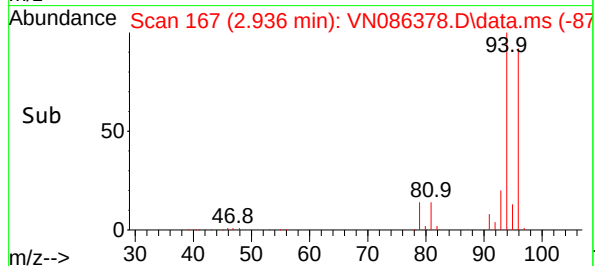
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 94 Resp: 20386
Ion Ratio Lower Upper
94 100
96 91.6 72.4 108.6

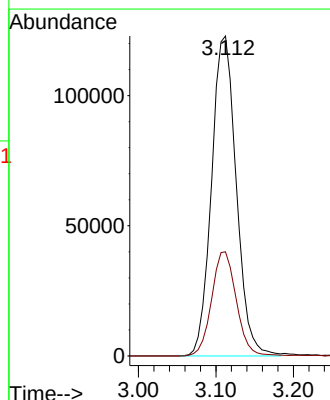
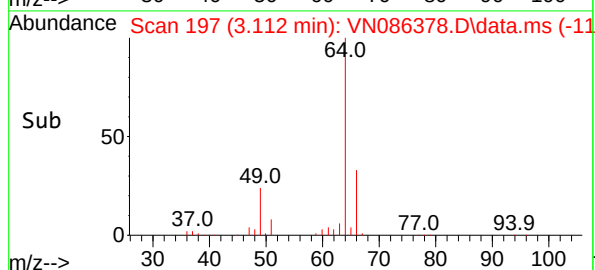
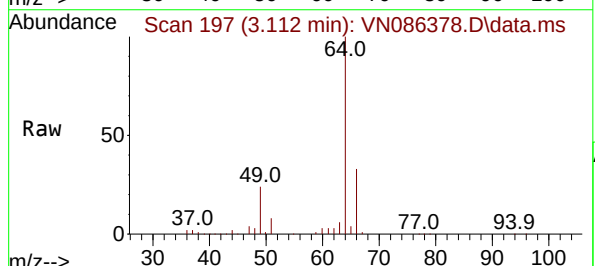
Manual Integrations
APPROVED

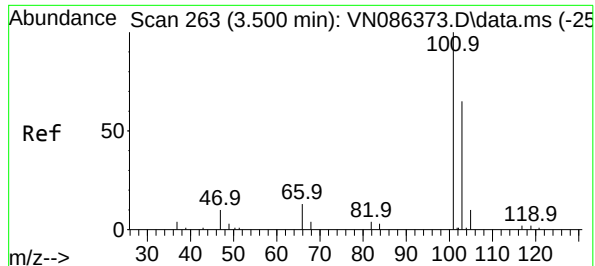
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#6
Chloroethane
Concen: 143.678 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

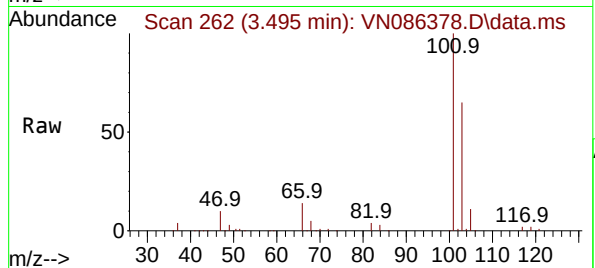
Tgt Ion: 64 Resp: 272792
Ion Ratio Lower Upper
64 100
66 32.5 24.5 36.7





#7
Trichlorofluoromethane
Concen: 143.788 ug/l
RT: 3.495 min Scan# 263
Delta R.T. -0.006 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

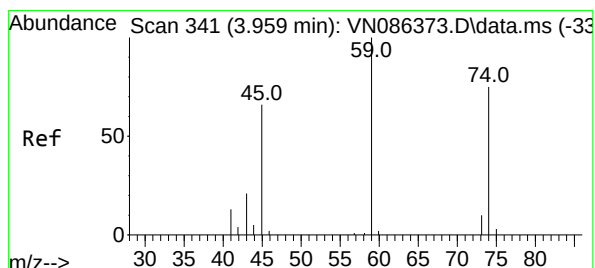
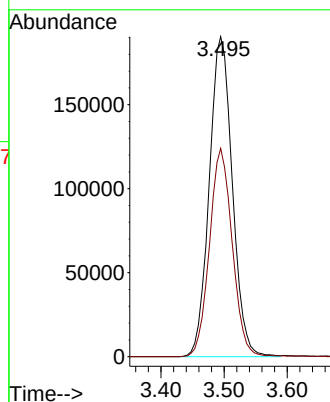
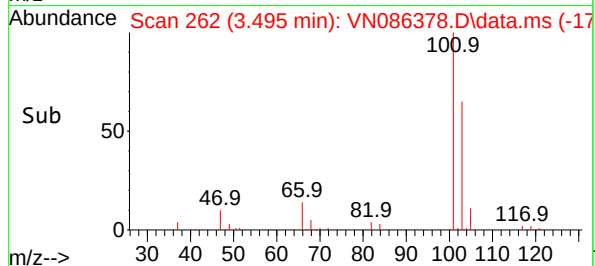
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion:101 Resp: 483360
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.6

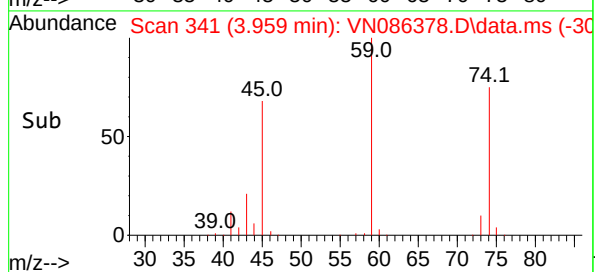
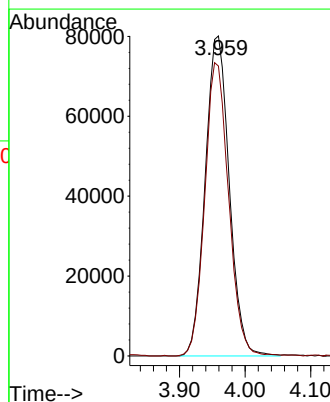
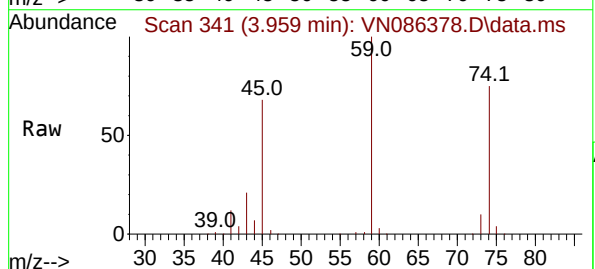
Manual Integrations
APPROVED

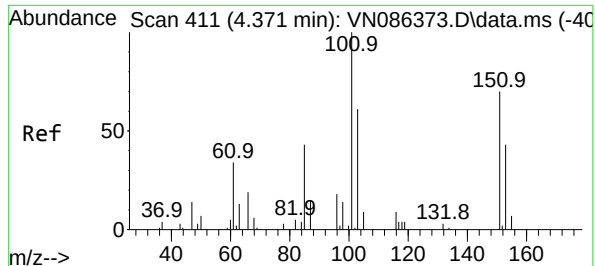
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#8
Diethyl Ether
Concen: 144.374 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Tgt Ion: 74 Resp: 204867
Ion Ratio Lower Upper
74 100
45 90.5 18.5 166.3





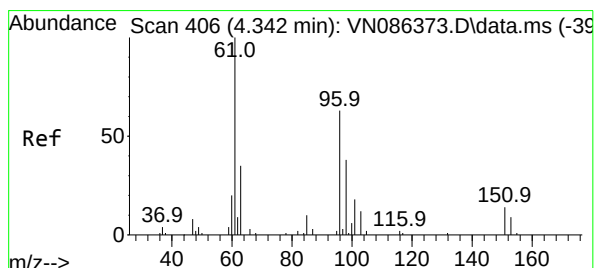
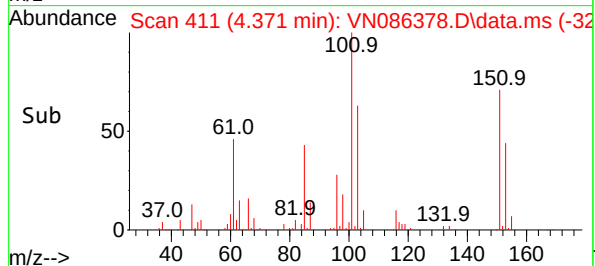
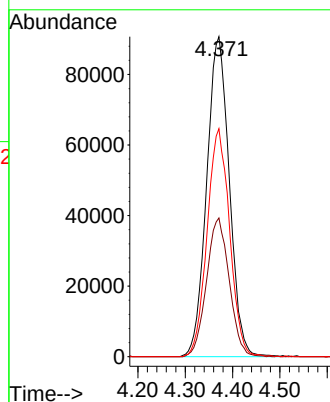
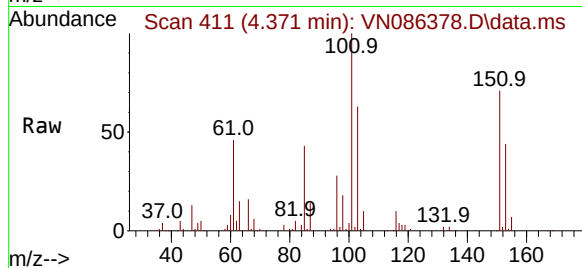
#9
1,1,2-Trichlorotrifluoroethane
Concen: 145.702 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 30111
Ion Ratio Lower Upper
101 100
85 43.5 0.0 84.4
151 70.6 0.0 145.8

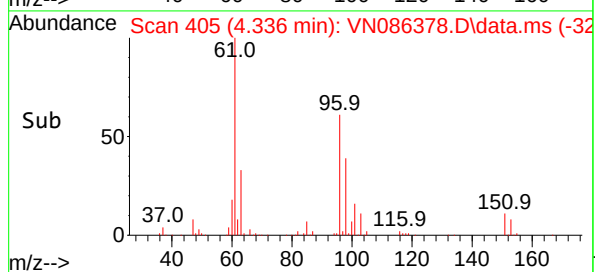
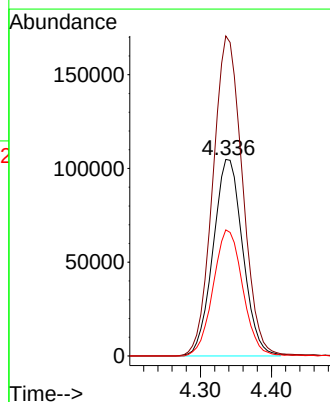
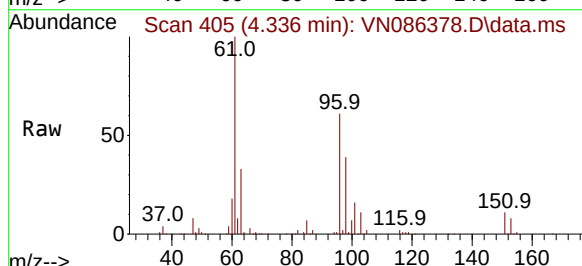
Manual Integrations
APPROVED

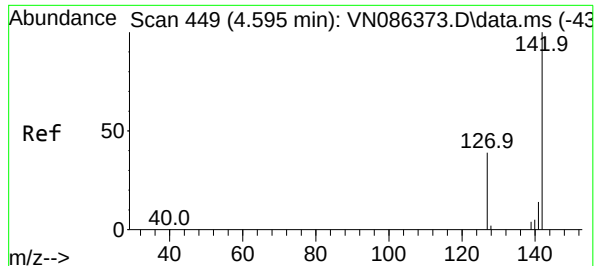
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#10
1,1-Dichloroethene
Concen: 143.905 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Tgt Ion: 96 Resp: 304401
Ion Ratio Lower Upper
96 100
61 162.7 126.2 189.4
98 64.2 48.5 72.7





#11

Methyl Iodide

Concen: 150.992 ug/l

RT: 4.583 min Scan# 449

Delta R.T. -0.012 min

Lab File: VN086378.D

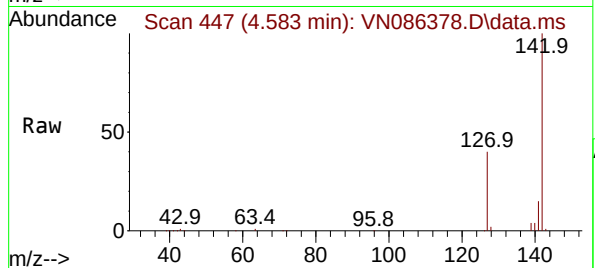
Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150



Tgt Ion:142 Resp: 37370

Ion Ratio Lower Upper

142 100

127 40.3 19.3 57.9

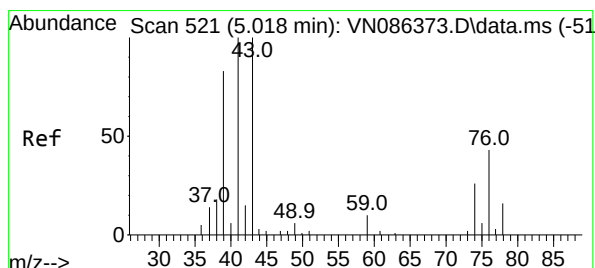
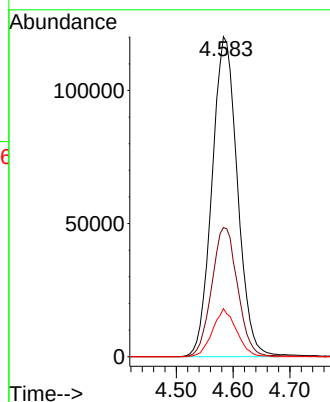
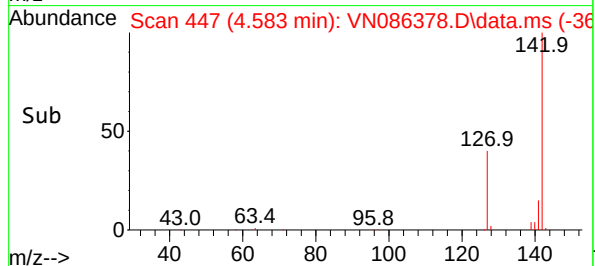
141 15.0 7.1 21.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#12

Methyl Acetate

Concen: 153.979 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN086378.D

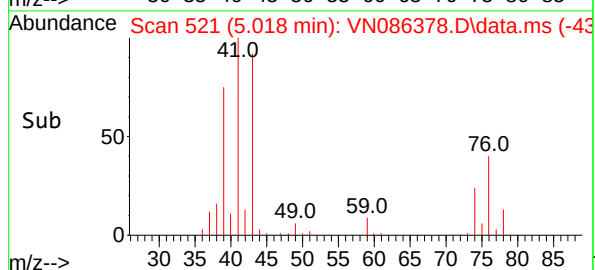
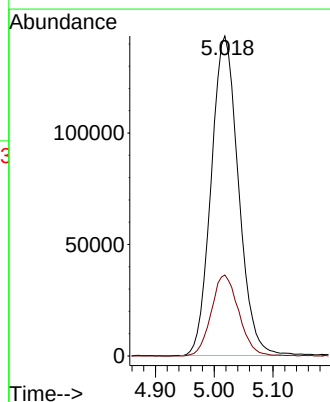
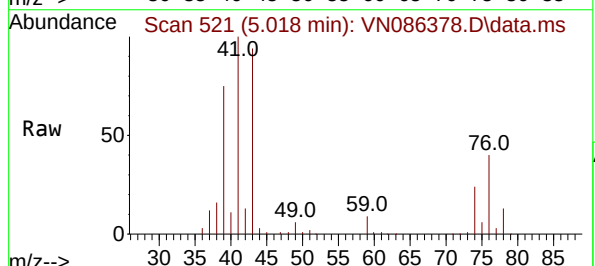
Acq: 23 Apr 2025 11:53

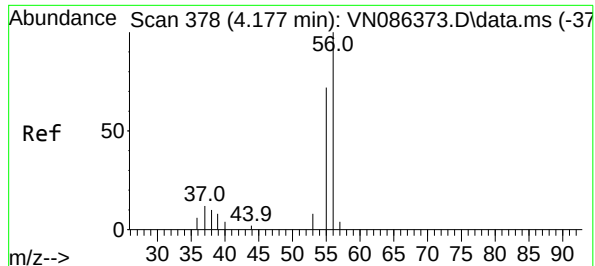
Tgt Ion: 43 Resp: 461659

Ion Ratio Lower Upper

43 100

74 25.3 20.8 31.2





#13

Acrolein

Concen: 737.319 ug/l

RT: 4.177 min Scan# 31

Delta R.T. -0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 8182

Ion Ratio Lower Upper

56 100

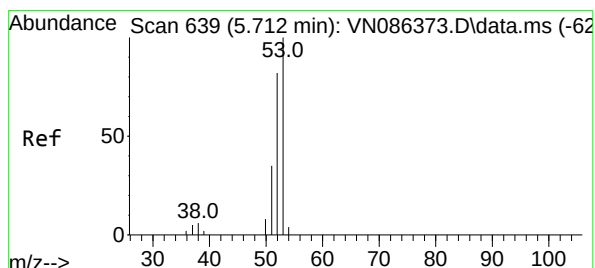
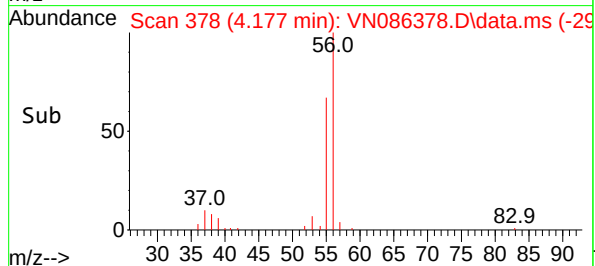
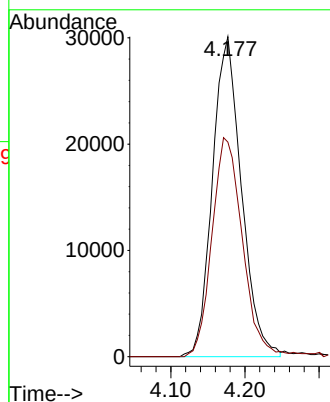
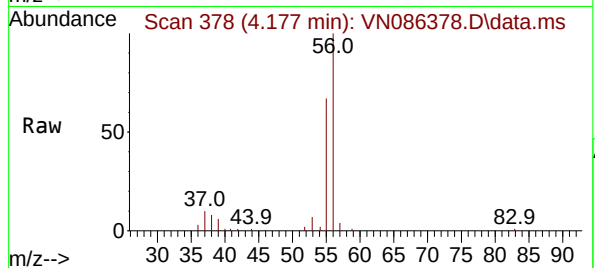
55 71.7 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#14

Acrylonitrile

Concen: 748.379 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

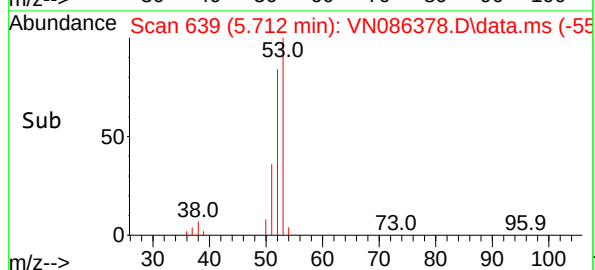
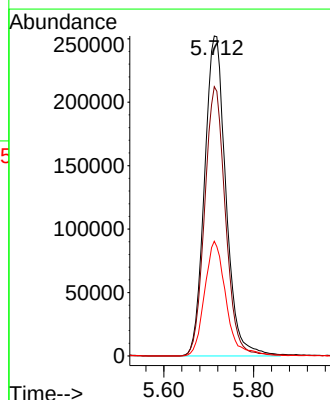
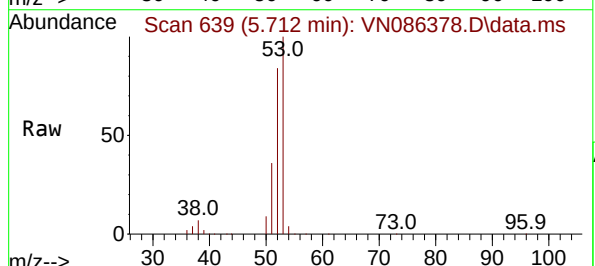
Tgt Ion: 53 Resp: 835092

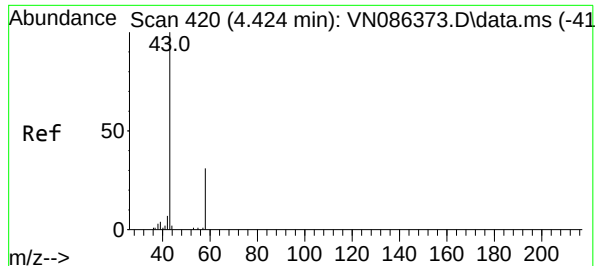
Ion Ratio Lower Upper

53 100

52 81.7 41.2 123.6

51 36.0 17.6 52.8





#15

Acetone

Concen: 737.712 ug/l

RT: 4.418 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 58 Resp: 22683

Ion Ratio Lower Upper

58 100

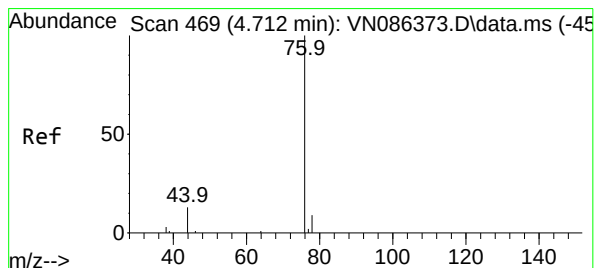
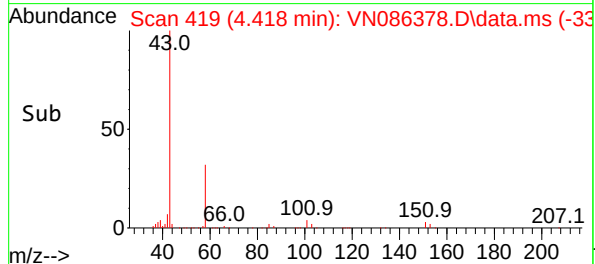
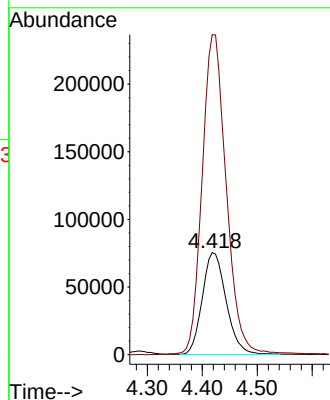
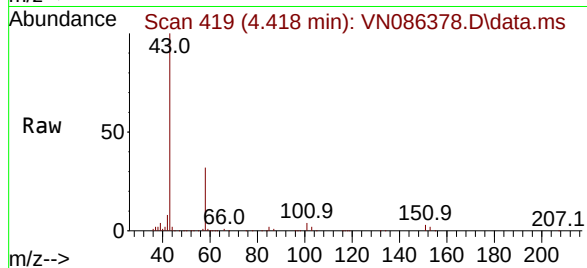
43 312.9 255.1 382.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#16

Carbon Disulfide

Concen: 132.947 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086378.D

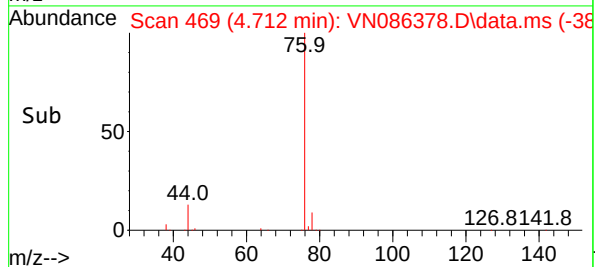
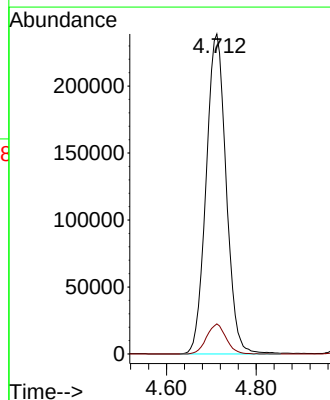
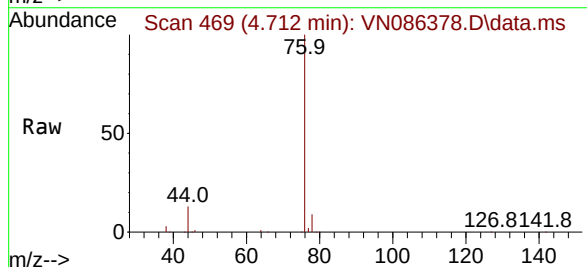
Acq: 23 Apr 2025 11:53

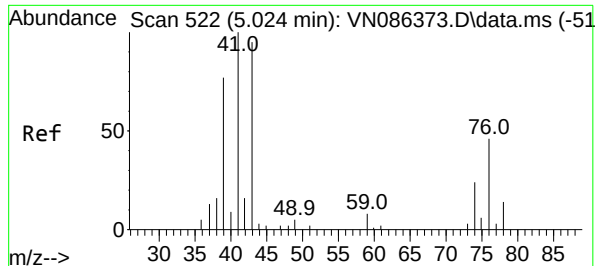
Tgt Ion: 76 Resp: 741034

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7





#17

Allyl chloride

Concen: 144.536 ug/l

RT: 5.018 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 48886

Ion Ratio Lower Upper

41 100

39 75.2 36.7 110.1

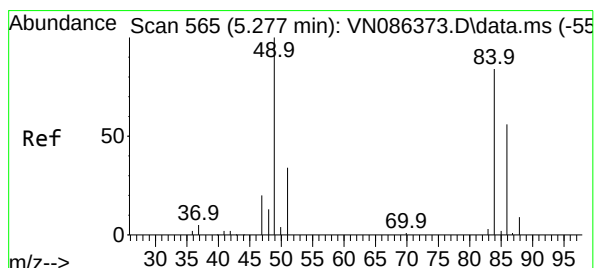
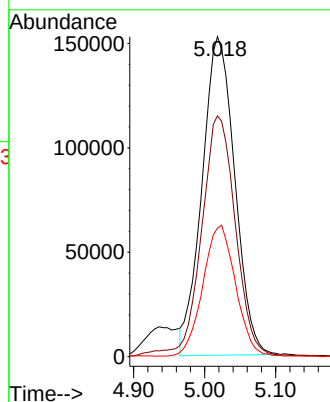
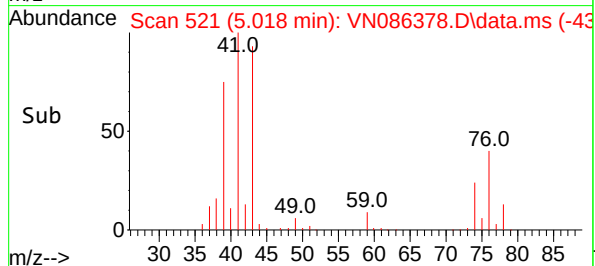
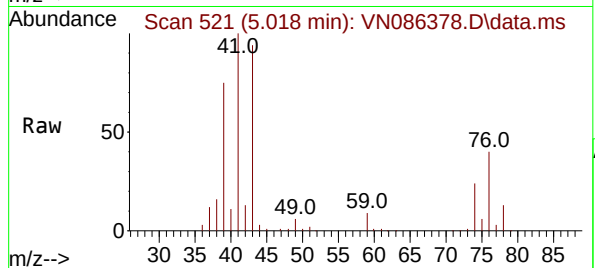
76 40.1 21.8 65.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#18

Methylene Chloride

Concen: 145.364 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Tgt Ion: 84 Resp: 350170

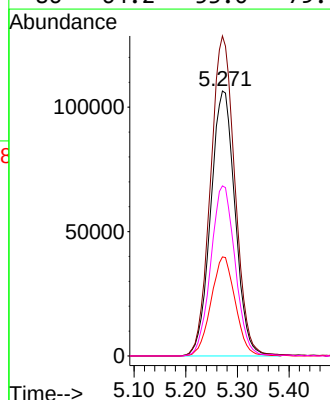
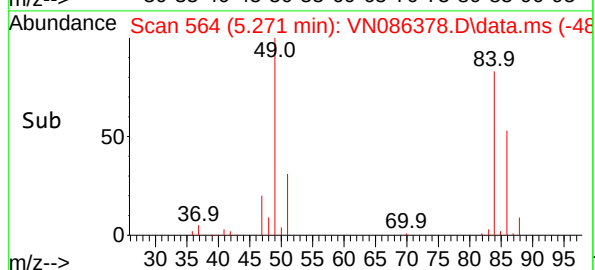
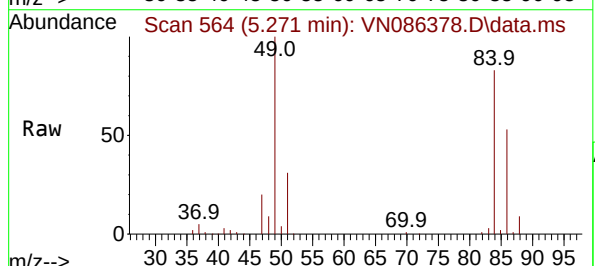
Ion Ratio Lower Upper

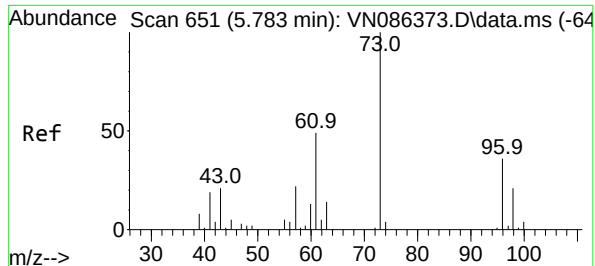
84 100

49 120.8 95.4 143.0

51 37.4 32.8 49.2

86 64.2 53.0 79.4





#19

trans-1,2-Dichloroethene

Concen: 146.862 ug/l

RT: 5.789 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 33111

Ion Ratio Lower Upper

96 100

61 135.3 107.3 160.9

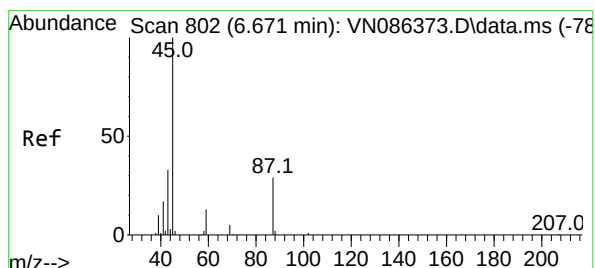
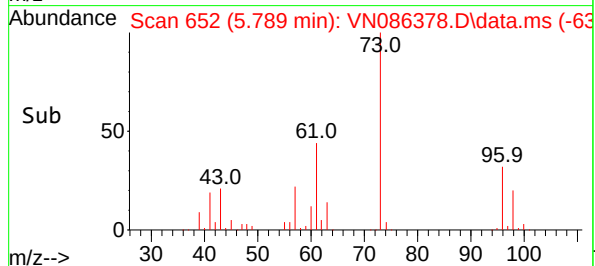
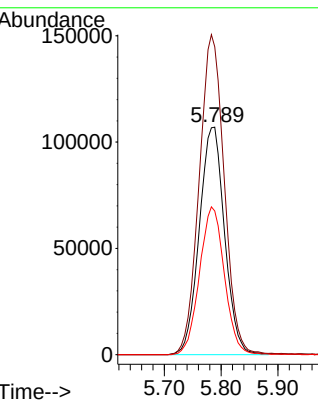
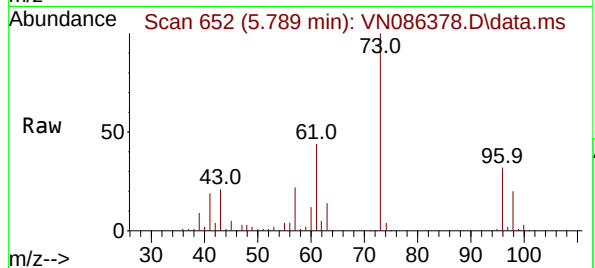
98 63.2 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#20

Diisopropyl ether

Concen: 150.395 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.006 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Tgt Ion: 45 Resp: 1209486

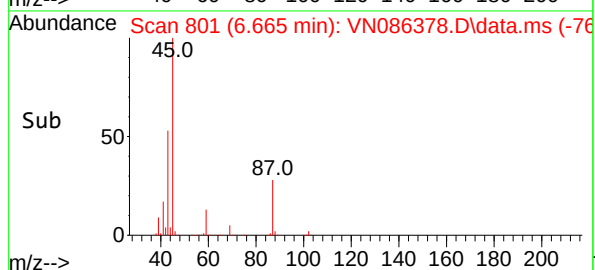
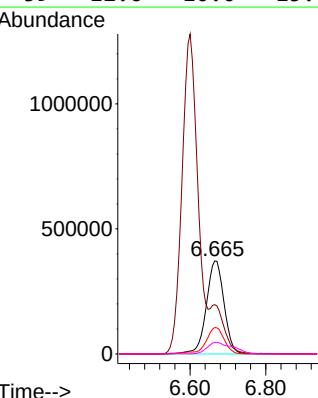
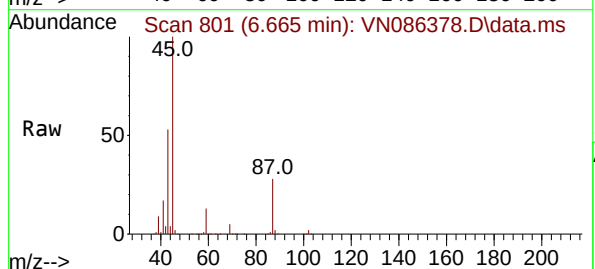
Ion Ratio Lower Upper

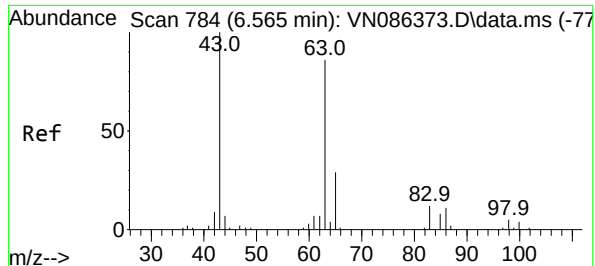
45 100

43 52.6 38.8 58.2

87 28.4 23.5 35.3

59 12.6 10.0 15.0





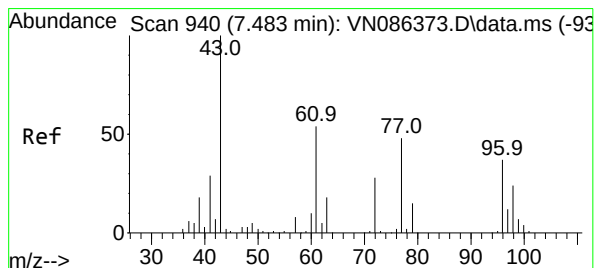
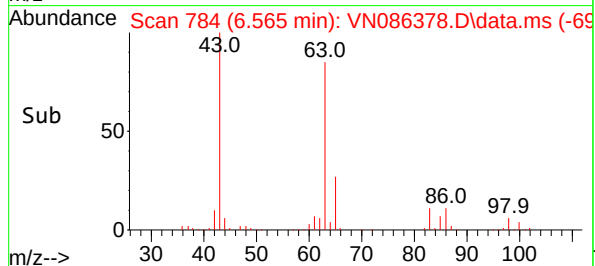
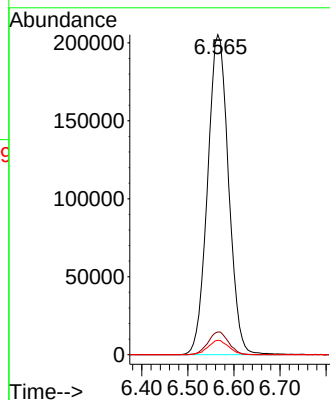
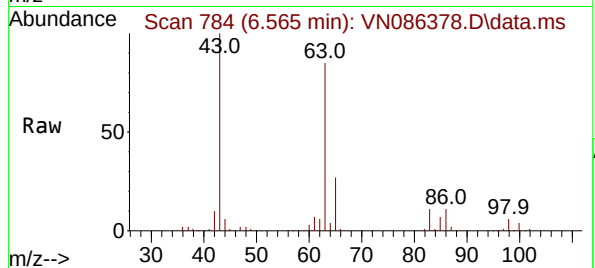
#21
1,1-Dichloroethane
Concen: 147.673 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 63 Resp: 650070
Ion Ratio Lower Upper
63 100
98 7.1 3.0 9.2
100 4.5 2.3 6.8

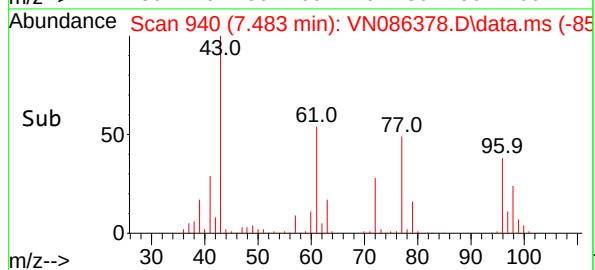
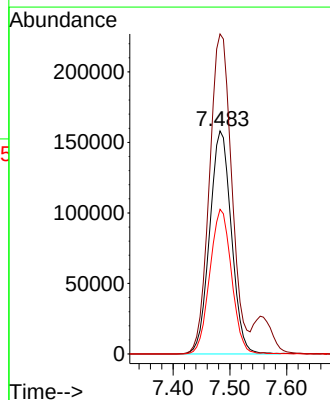
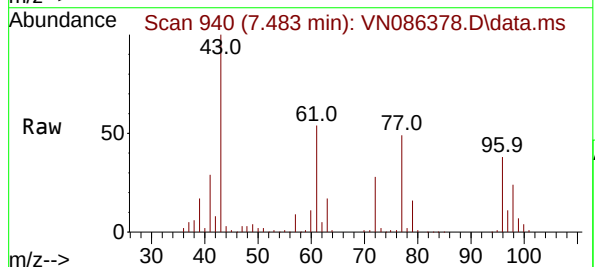
Manual Integrations
APPROVED

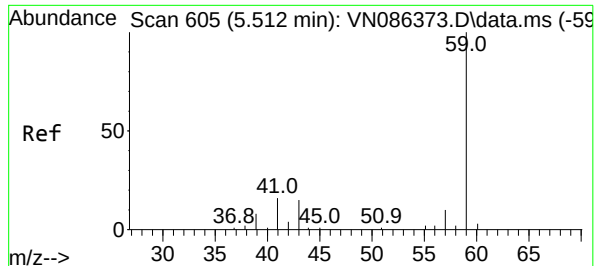
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#22
cis-1,2-Dichloroethene
Concen: 148.755 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Tgt Ion: 96 Resp: 419371
Ion Ratio Lower Upper
96 100
61 147.8 120.6 181.0
98 64.7 51.8 77.6





#23

tert-Butyl Alcohol

Concen: 693.246 ug/l

RT: 5.512 min Scan# 605

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 299669

Ion Ratio Lower Upper

59 100

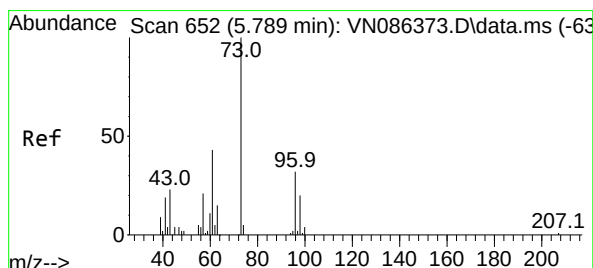
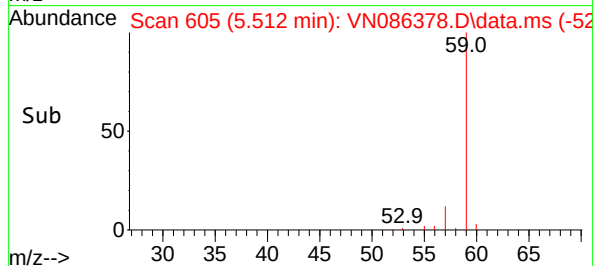
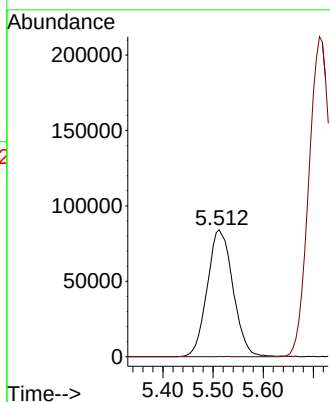
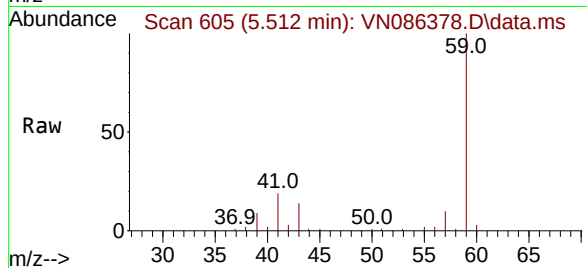
52 0.0 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#24

Methyl tert-Butyl Ether

Concen: 147.908 ug/l

RT: 5.789 min Scan# 652

Delta R.T. 0.000 min

Lab File: VN086378.D

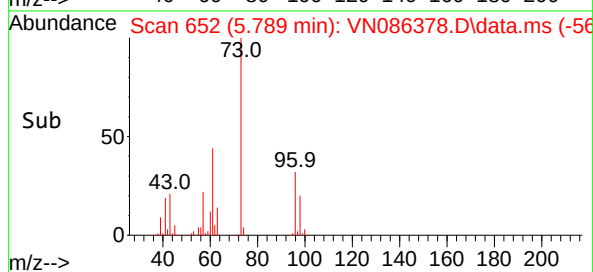
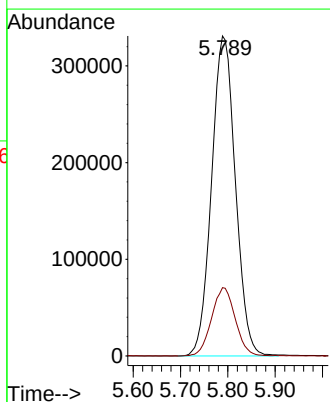
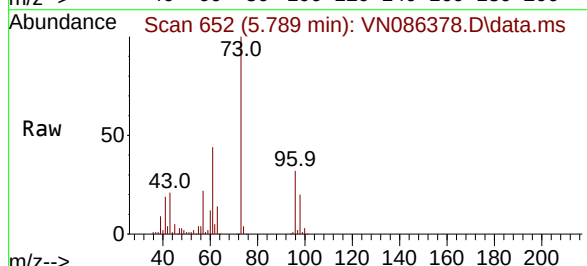
Acq: 23 Apr 2025 11:53

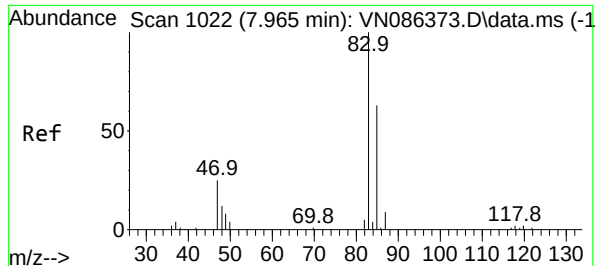
Tgt Ion: 73 Resp: 1155950

Ion Ratio Lower Upper

73 100

43 21.2 17.1 25.7





#25

Chloroform

Concen: 146.957 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 654724

Ion Ratio Lower Upper

83 100

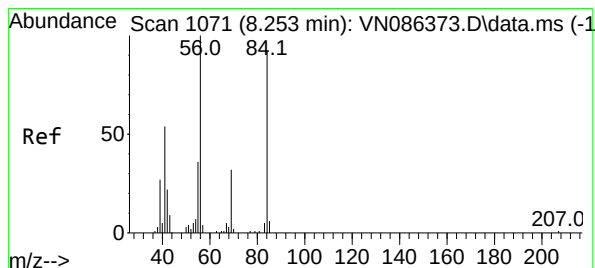
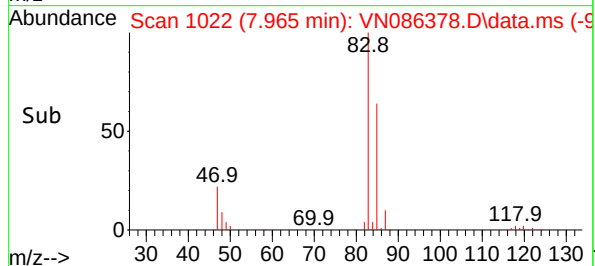
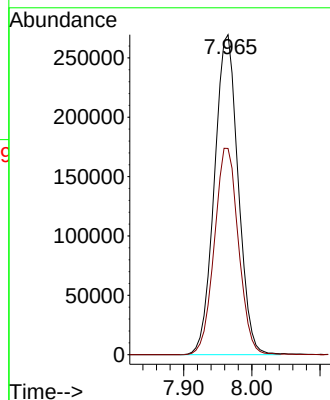
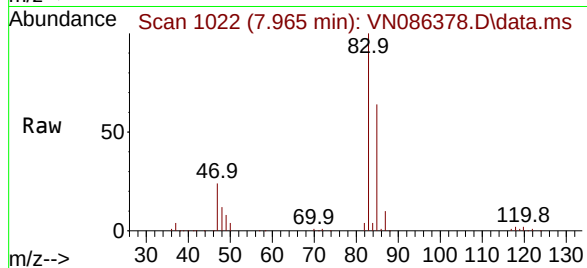
85 64.4 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#26

Cyclohexane

Concen: 145.656 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

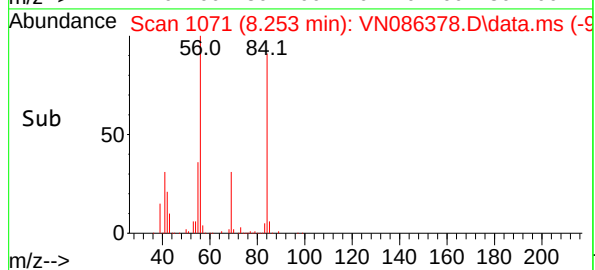
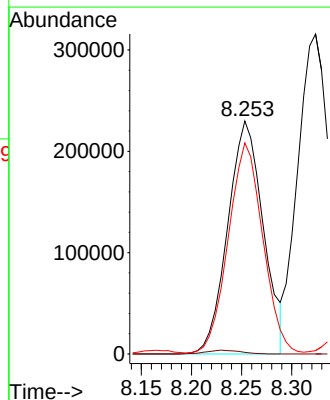
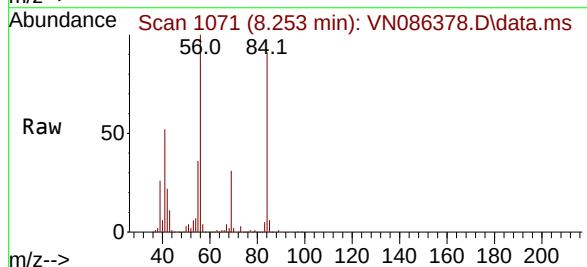
Tgt Ion: 56 Resp: 566144

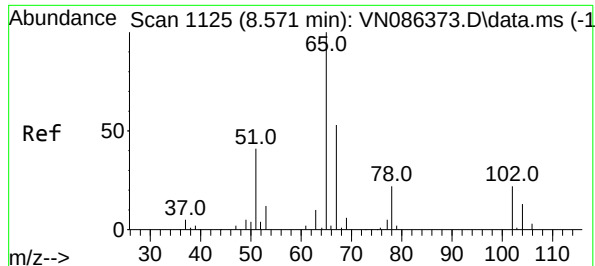
Ion Ratio Lower Upper

56 100

89 1.5 0.0 0.0#

84 88.5 71.5 107.3





#27

1,2-Dichloroethane-d4

Concen: 29.005 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 8479

Ion Ratio Lower Upper

65 100

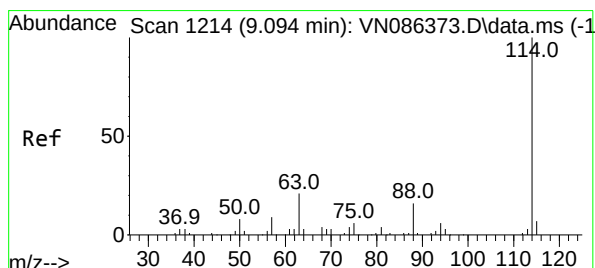
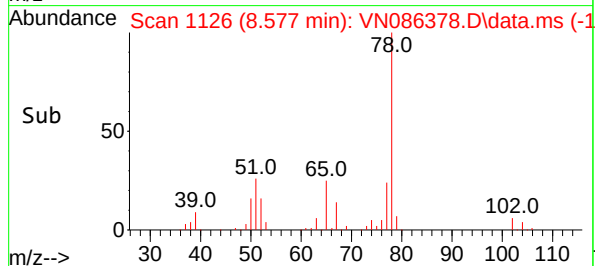
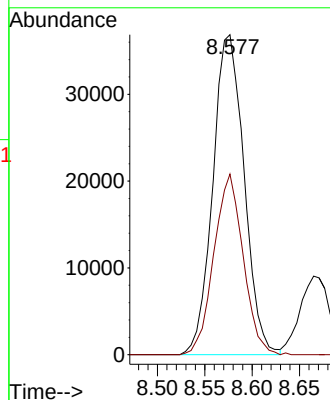
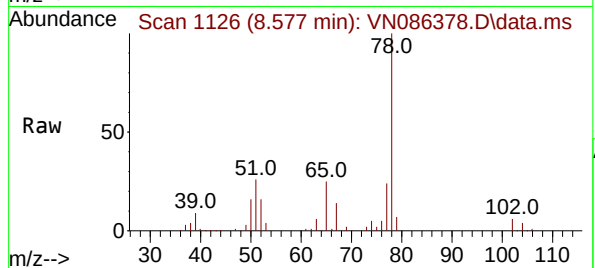
67 52.7 42.5 63.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

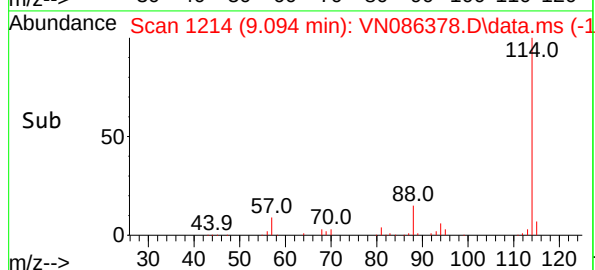
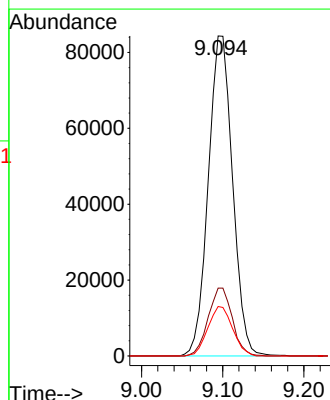
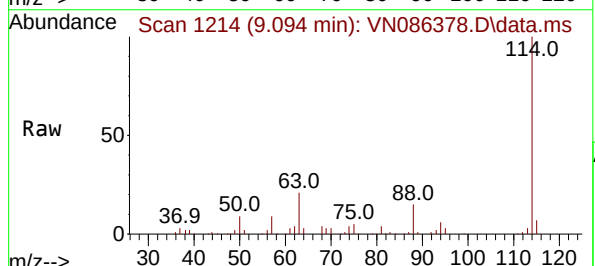
Tgt Ion:114 Resp: 175444

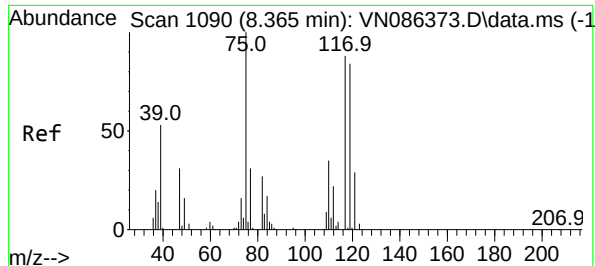
Ion Ratio Lower Upper

114 100

63 21.0 16.7 25.1

88 15.7 12.6 19.0





#29

1,1-Dichloropropene

Concen: 153.479 ug/l

RT: 8.371 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 47470

Ion Ratio Lower Upper

75 100

110 34.5 0.0 68.0

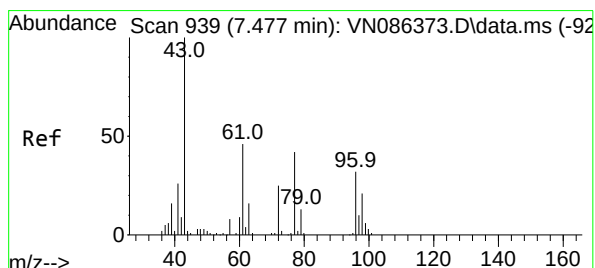
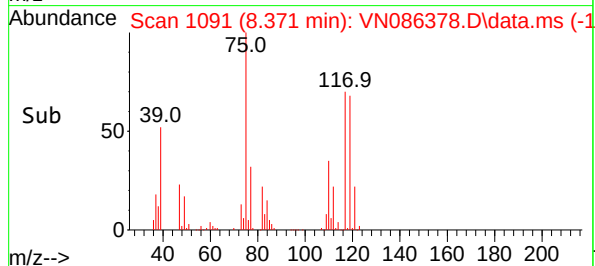
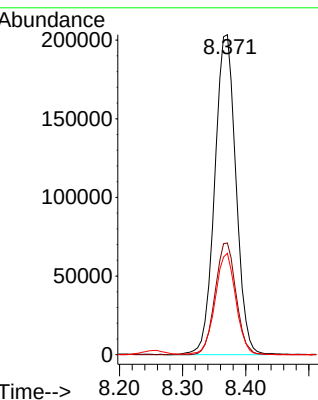
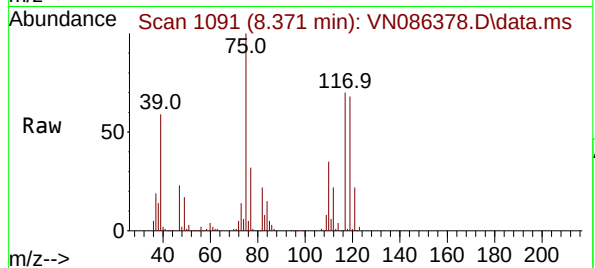
77 31.1 0.0 61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#30

2-Butanone

Concen: 768.782 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

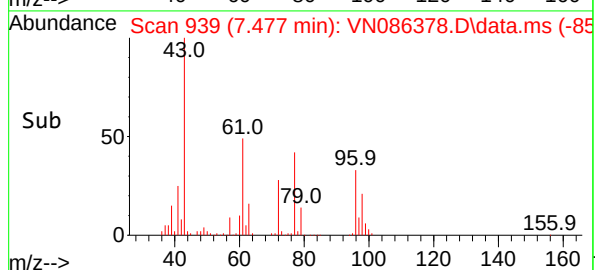
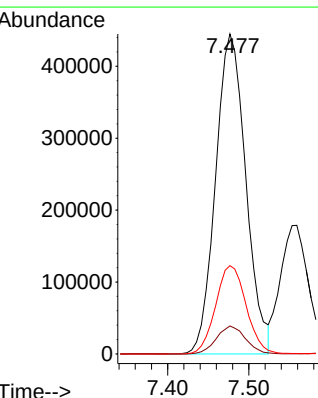
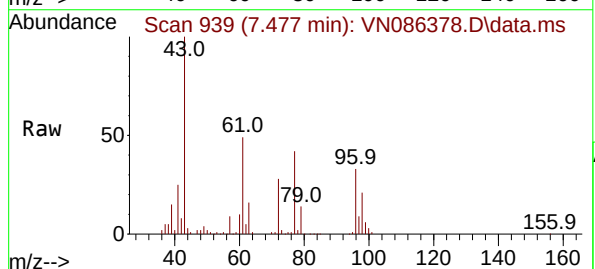
Tgt Ion: 43 Resp: 1154112

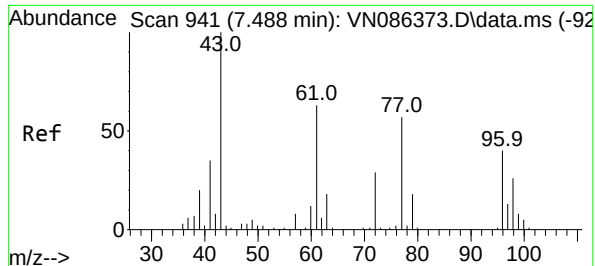
Ion Ratio Lower Upper

43 100

57 8.4 6.6 10.0

72 27.9 22.2 33.4





#31

2,2-Dichloropropane

Concen: 152.287 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 77 Resp: 605480

Ion Ratio Lower Upper

77 100

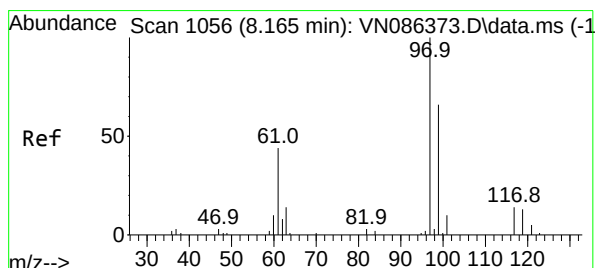
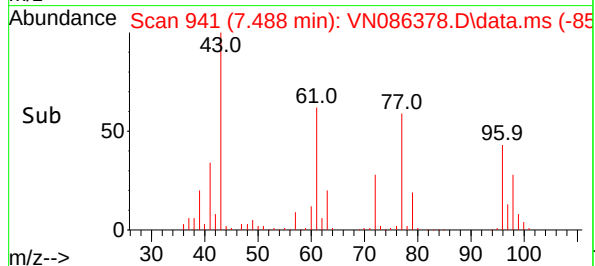
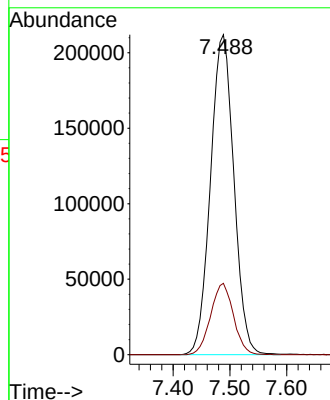
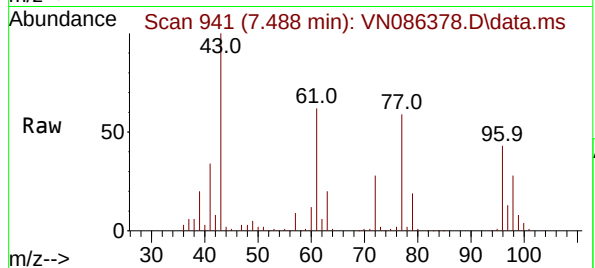
97 21.8 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#32

1,1,1-Trichloroethane

Concen: 151.669 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

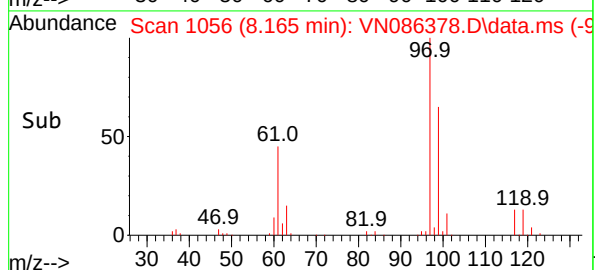
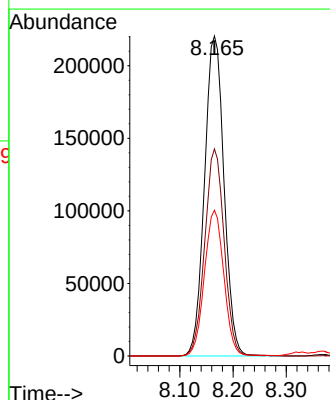
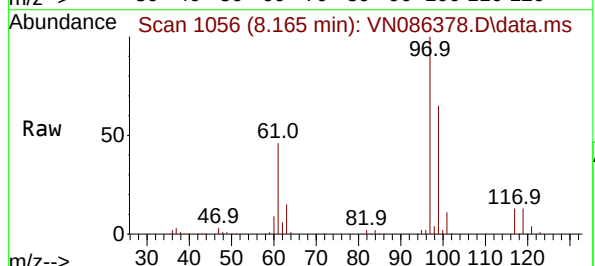
Tgt Ion: 97 Resp: 560564

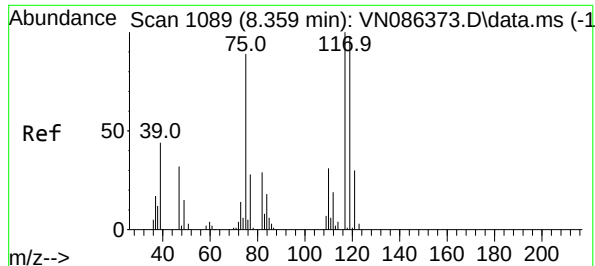
Ion Ratio Lower Upper

97 100

99 64.4 52.6 79.0

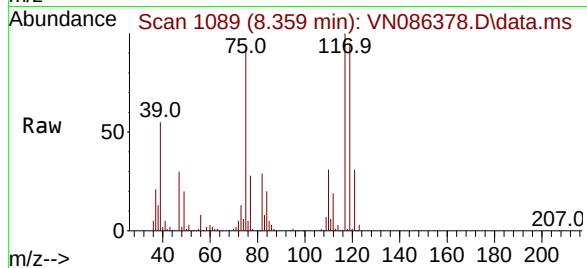
61 45.4 36.4 54.6





#33
Carbon Tetrachloride
Concen: 152.946 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

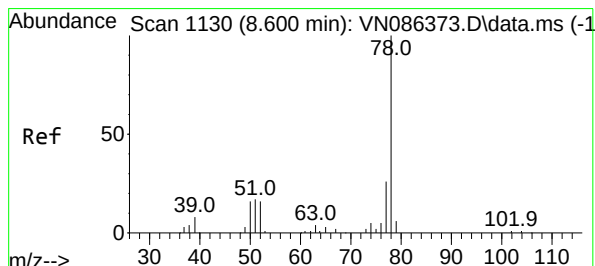
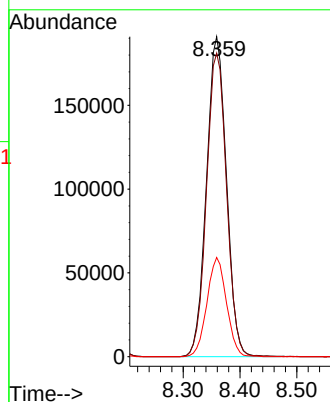
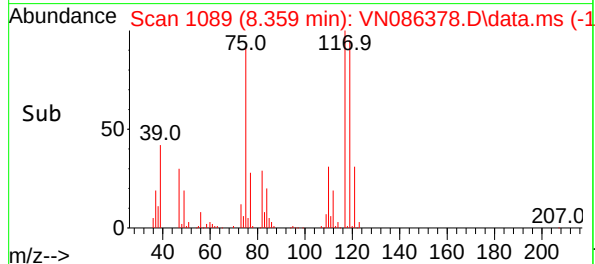
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 117 Resp: 465350
Ion Ratio Lower Upper
117 100
119 94.9 78.6 117.8
121 31.0 24.0 36.0

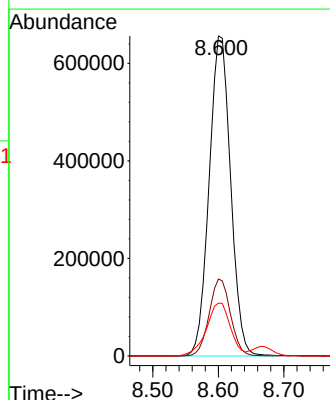
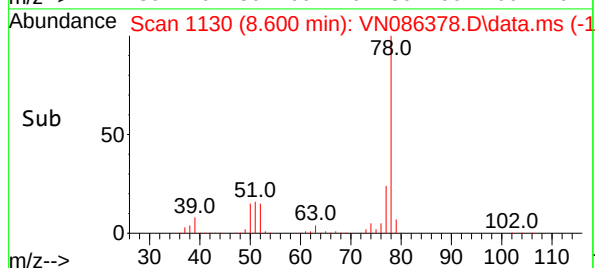
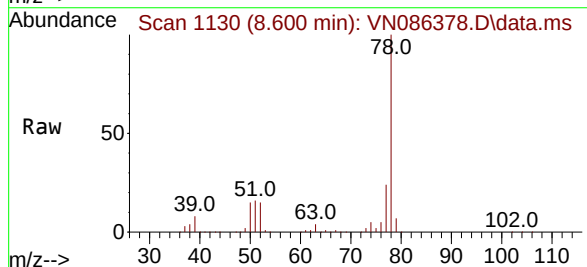
Manual Integrations
APPROVED

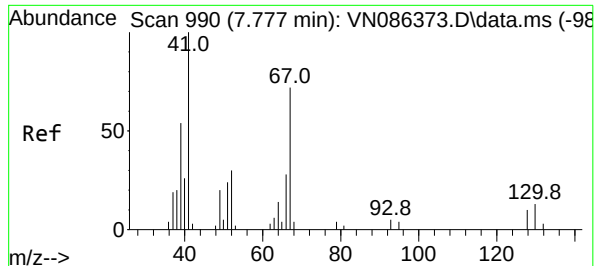
Reviewed By : John Carlone 04/24/2025
Supervised By : Mahesh Dadoda 04/25/2025



#34
Benzene
Concen: 151.652 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Tgt Ion: 78 Resp: 1491870
Ion Ratio Lower Upper
78 100
77 24.0 20.8 31.2
51 16.3 14.0 21.0





#35

Methacrylonitrile

Concen: 154.415 ug/l

RT: 7.771 min Scan# 989

Delta R.T. -0.006 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 26443

Ion Ratio Lower Upper

41 100

39 54.6 27.0 80.8

67 74.1 35.8 107.3

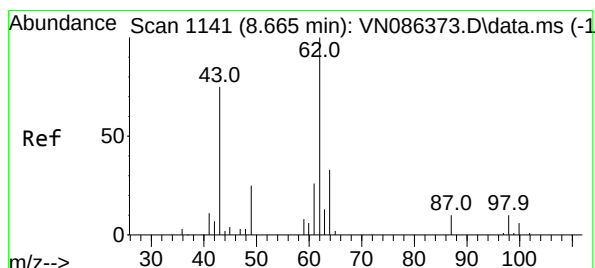
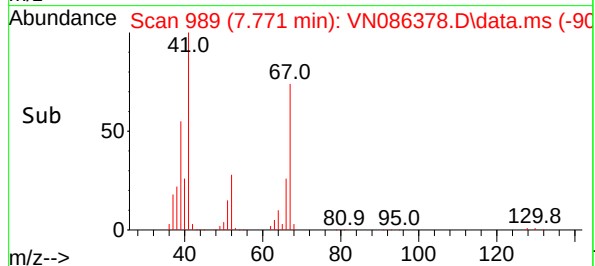
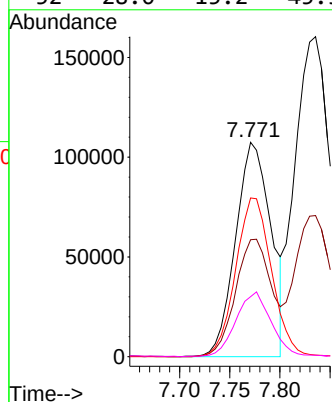
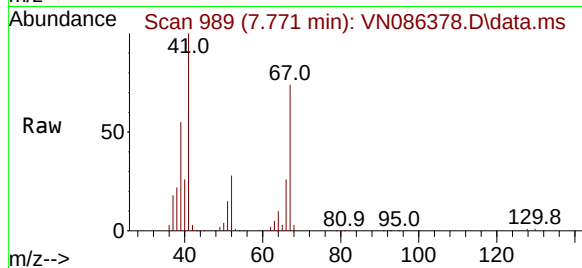
52 28.0 15.2 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#36

1,2-Dichloroethane

Concen: 152.489 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VN086378.D

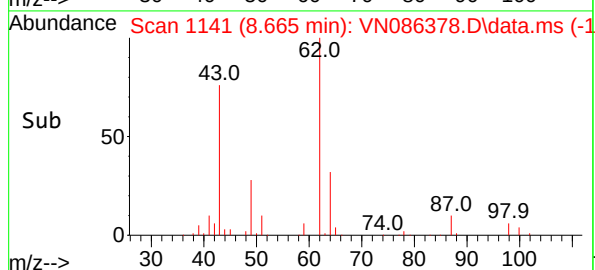
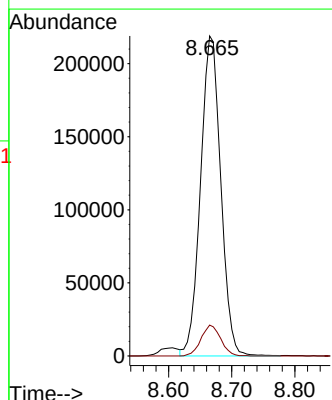
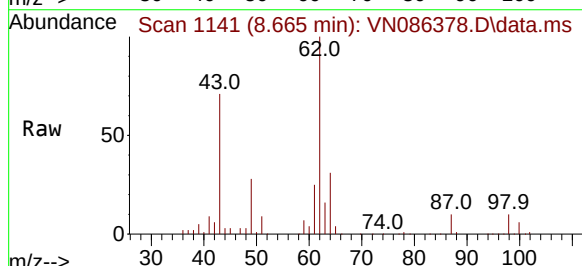
Acq: 23 Apr 2025 11:53

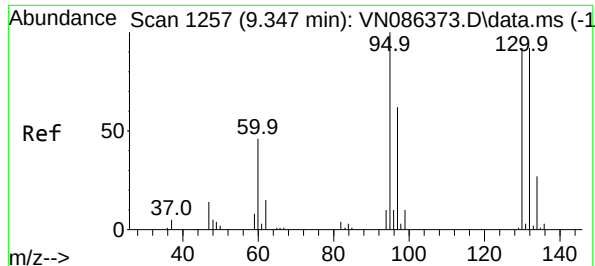
Tgt Ion: 62 Resp: 487034

Ion Ratio Lower Upper

62 100

98 9.4 7.6 11.4





#37

Trichloroethene

Concen: 157.207 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion:130 Resp: 38715

Ion Ratio Lower Upper

130 100

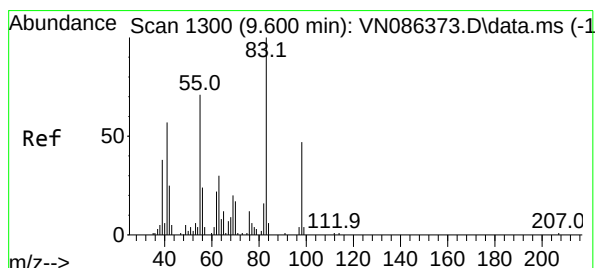
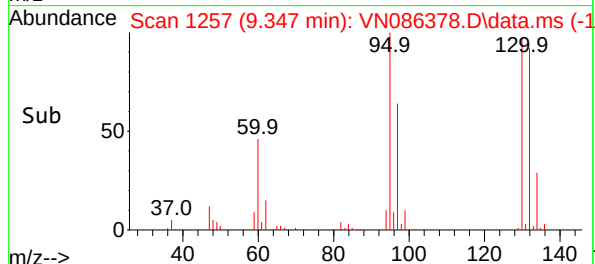
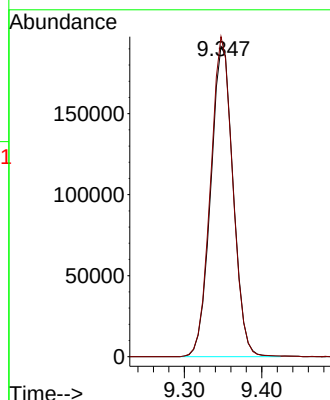
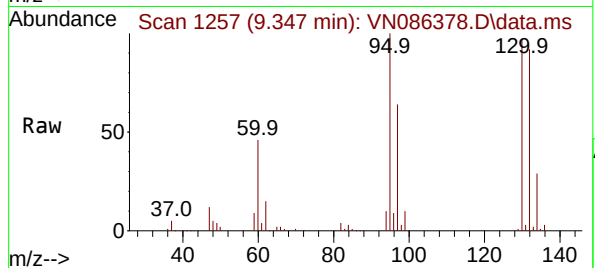
95 103.1 86.6 130.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#38

Methylcyclohexane

Concen: 150.840 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

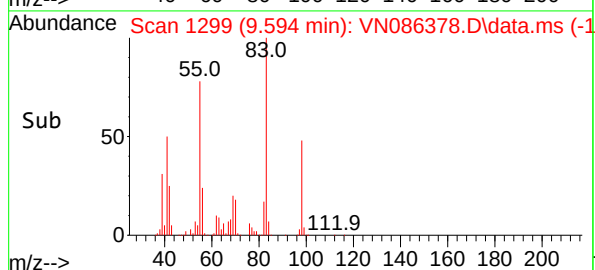
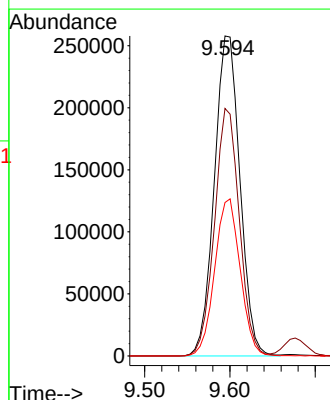
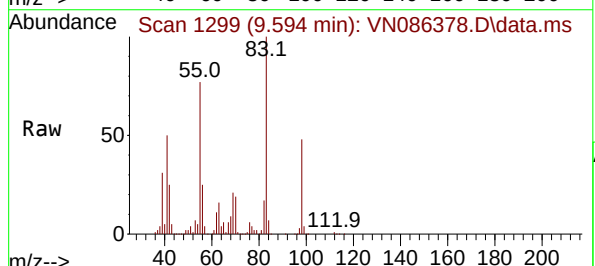
Tgt Ion: 83 Resp: 538821

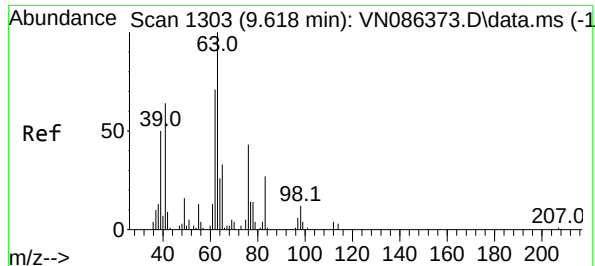
Ion Ratio Lower Upper

83 100

55 75.2 37.3 111.9

98 48.9 23.8 71.5





#39

1,2-Dichloropropane

Concen: 149.889 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 36427

Ion Ratio Lower Upper

63 100

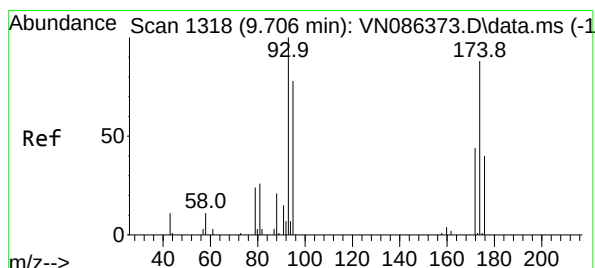
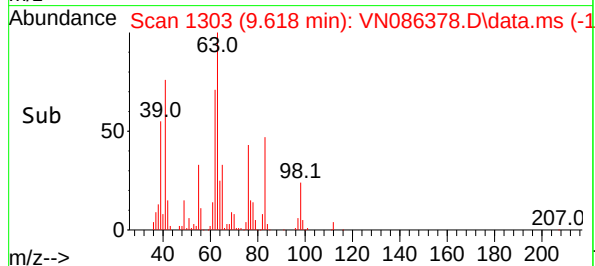
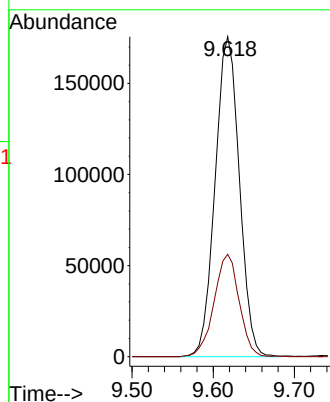
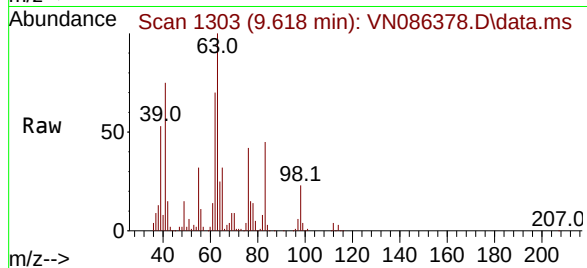
65 32.0 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#40

Dibromomethane

Concen: 153.205 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

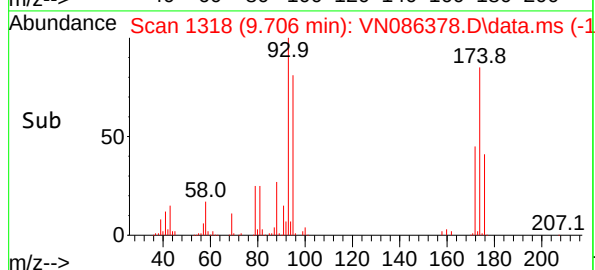
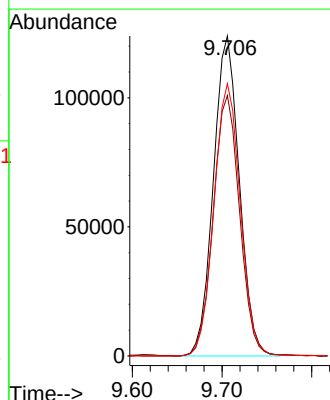
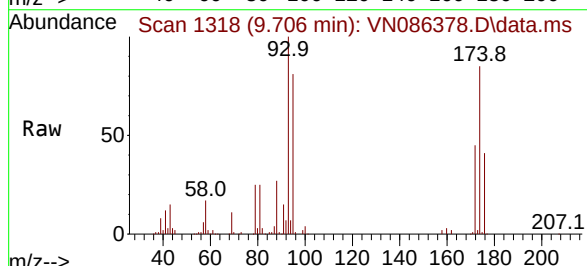
Tgt Ion: 93 Resp: 248997

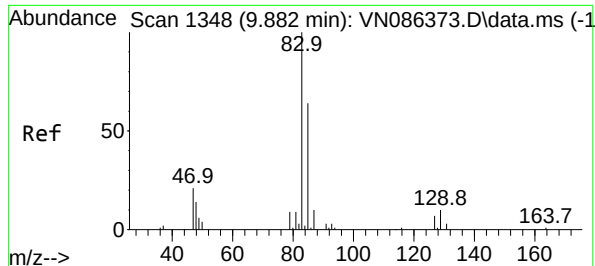
Ion Ratio Lower Upper

93 100

95 82.7 0.0 159.2

174 86.4 0.0 171.4





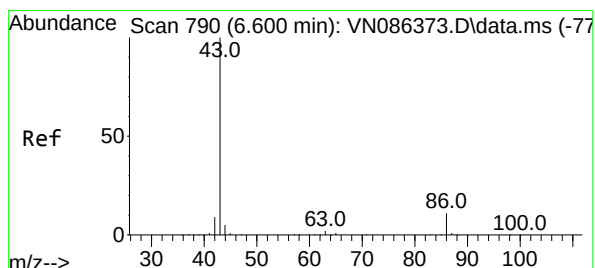
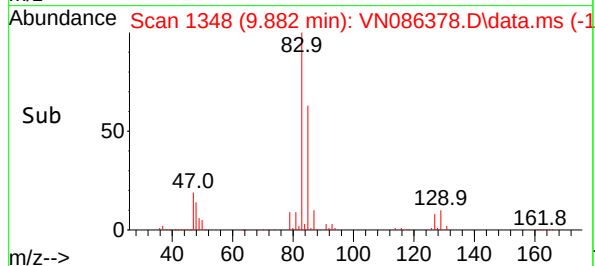
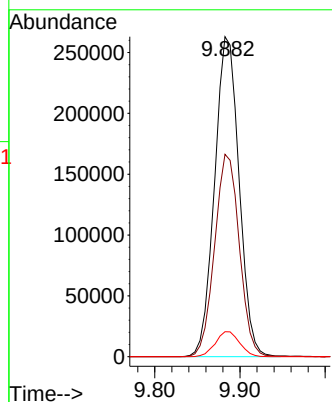
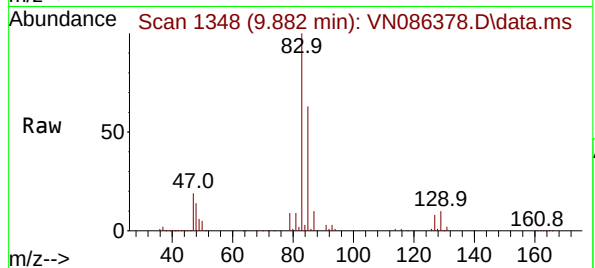
#41
Bromodichloromethane
Concen: 152.734 ug/l
RT: 9.882 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 525304
Ion Ratio Lower Upper
83 100
85 63.3 51.1 76.7
127 7.8 5.9 8.9

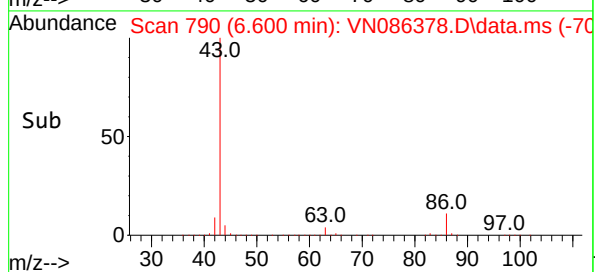
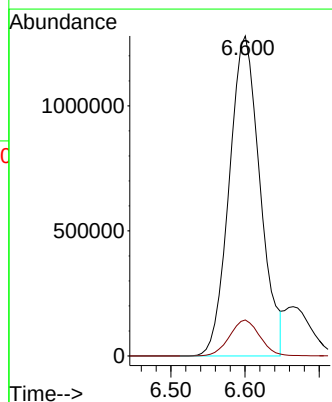
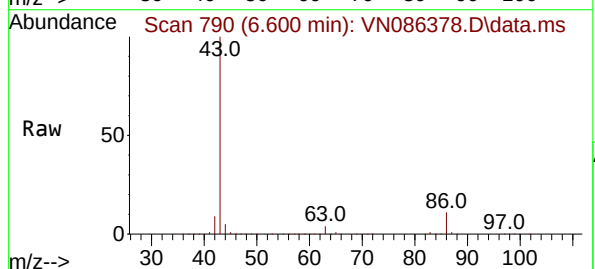
Manual Integrations
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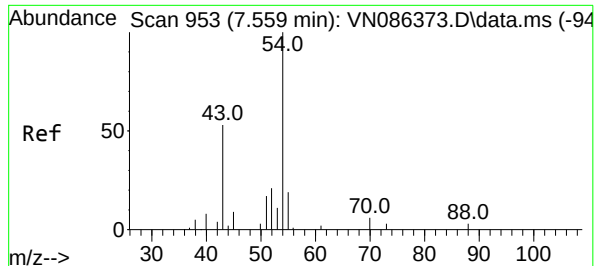
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#42
Vinyl Acetate
Concen: 710.838 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Tgt Ion: 43 Resp: 3696622
Ion Ratio Lower Upper
43 100
86 11.1 8.9 13.3





#43

Ethyl Acetate

Concen: 149.188 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 44321

Ion Ratio Lower Upper

43 100

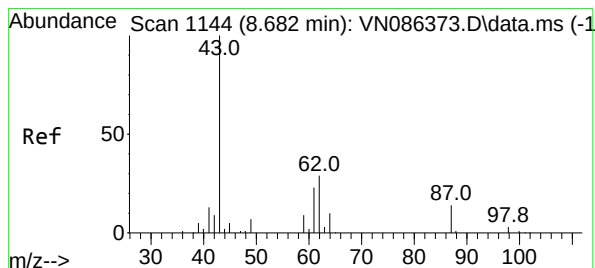
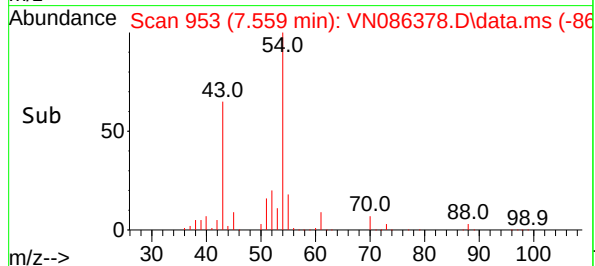
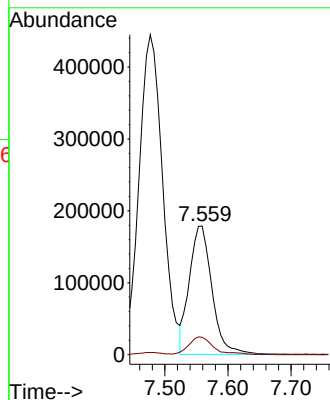
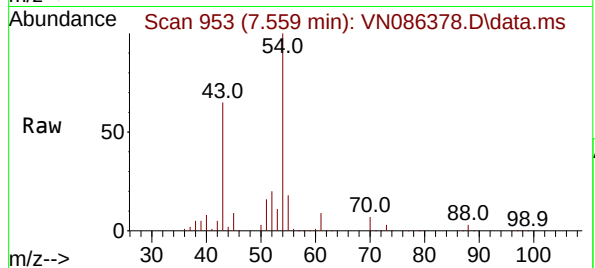
45 14.9 11.4 17.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#44

Isopropyl Acetate

Concen: 147.977 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN086378.D

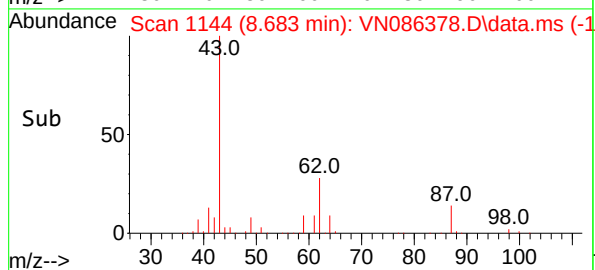
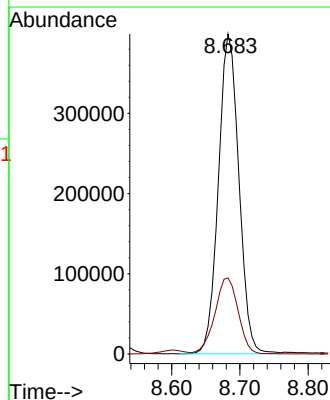
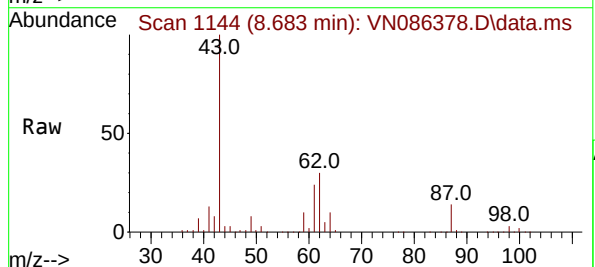
Acq: 23 Apr 2025 11:53

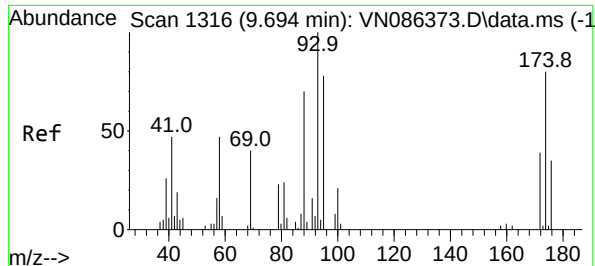
Tgt Ion: 43 Resp: 834366

Ion Ratio Lower Upper

43 100

61 27.1 21.0 31.4





#45

1,4-Dioxane

Concen: 2954.683 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 88 Resp: 12998

Ion Ratio Lower Upper

88 100

43 27.3 24.9 37.3

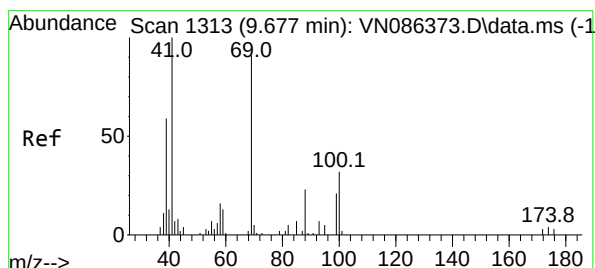
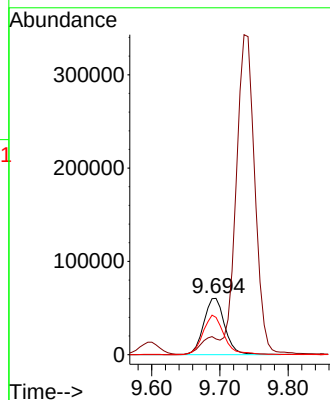
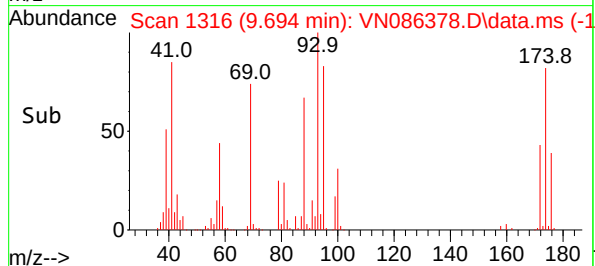
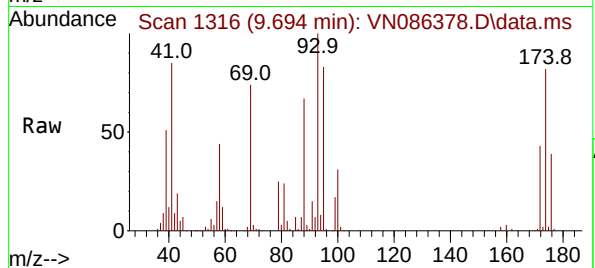
58 70.5 57.8 86.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#46

Methyl methacrylate

Concen: 153.385 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

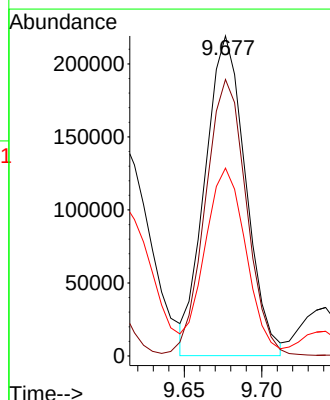
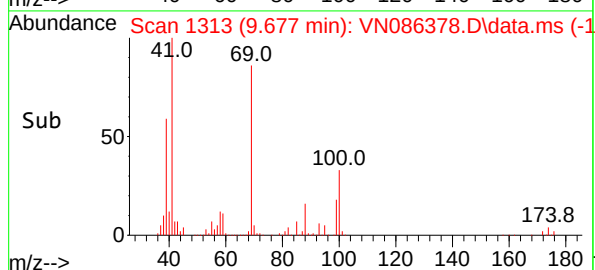
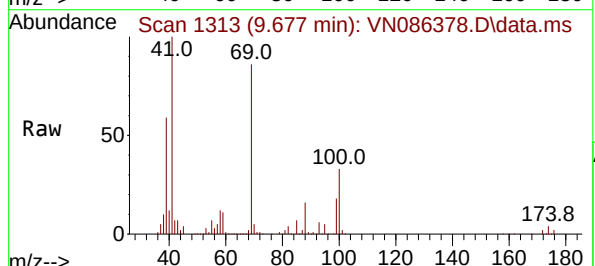
Tgt Ion: 41 Resp: 398936

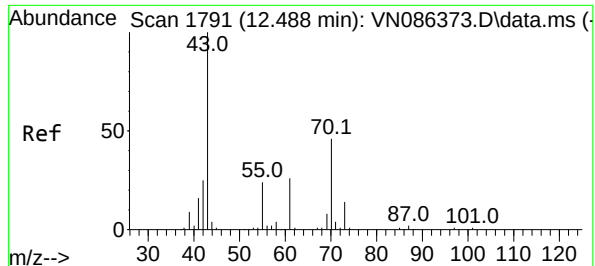
Ion Ratio Lower Upper

41 100

69 88.0 44.1 132.3

39 58.8 30.0 90.1





#47

n-amy1 Acetate

Concen: 165.368 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 794729

Ion Ratio Lower Upper

43 100

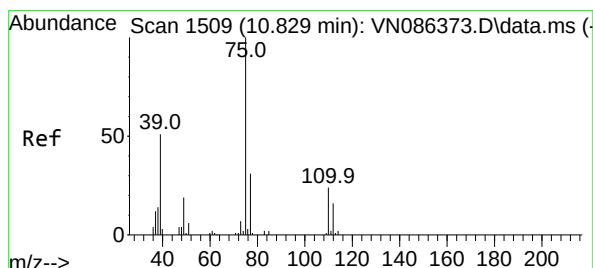
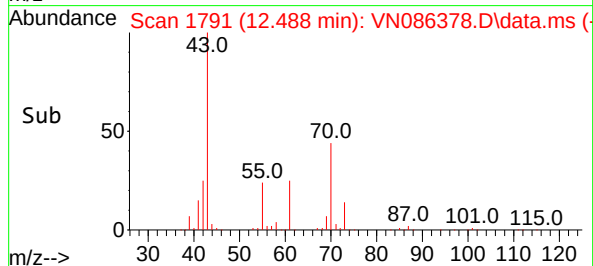
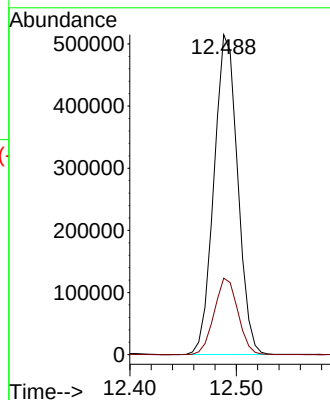
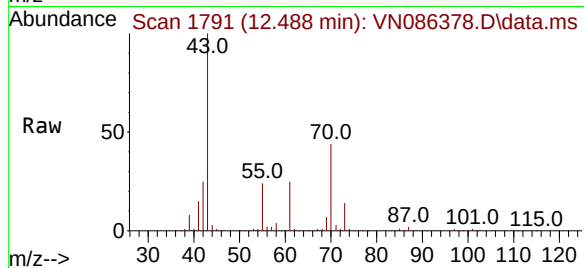
55 24.0 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#48

t-1,3-Dichloropropene

Concen: 157.708 ug/l

RT: 10.829 min Scan# 1509

Delta R.T. 0.000 min

Lab File: VN086378.D

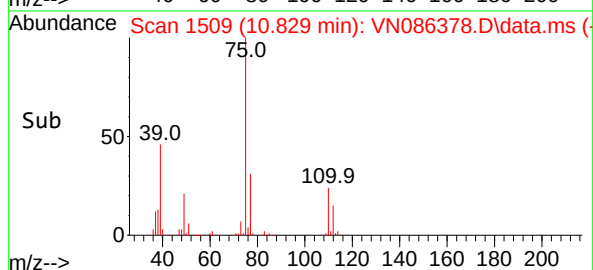
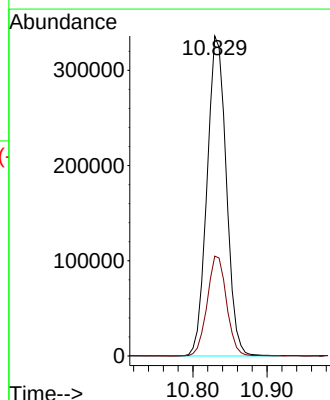
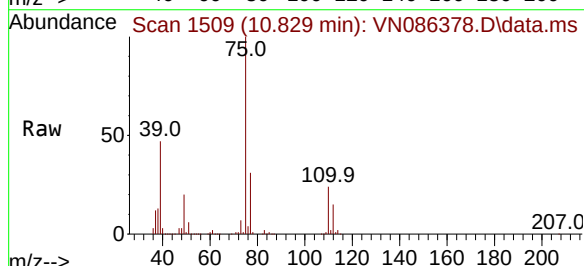
Acq: 23 Apr 2025 11:53

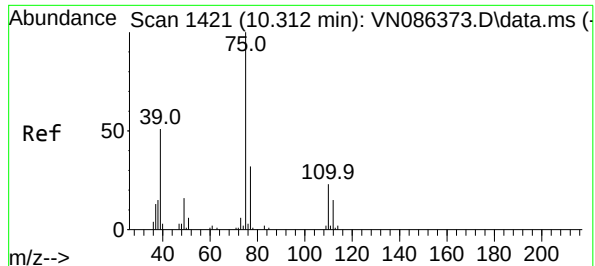
Tgt Ion: 75 Resp: 606406

Ion Ratio Lower Upper

75 100

77 31.1 24.4 36.6





#49

cis-1,3-Dichloropropene

Concen: 155.890 ug/l

RT: 10.306 min Scan# 1421

Delta R.T. -0.006 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 632110

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4

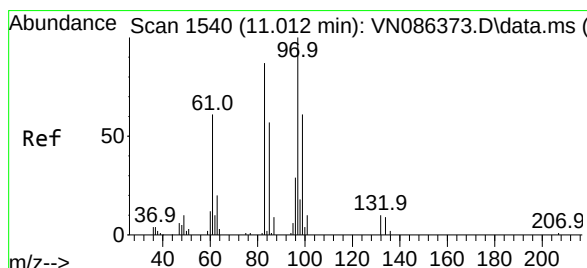
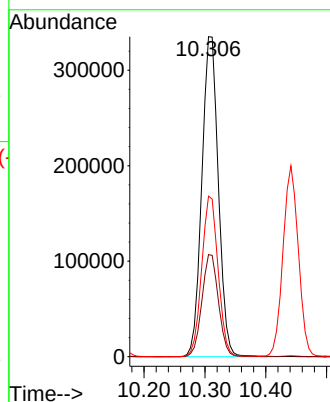
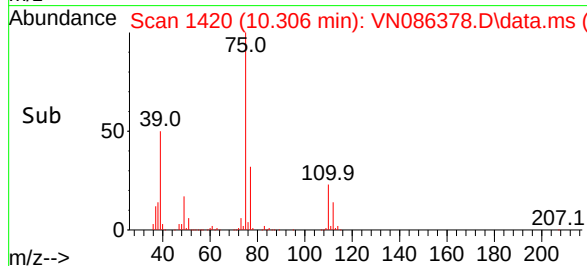
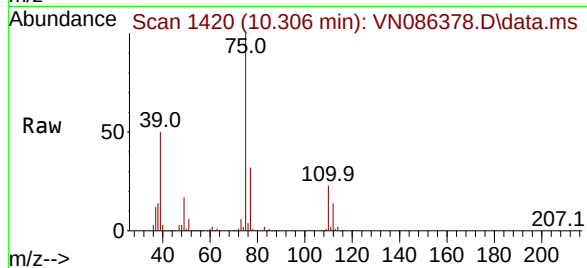
39 50.1 40.6 60.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#50

1,1,2-Trichloroethane

Concen: 154.894 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Tgt Ion: 97 Resp: 351630

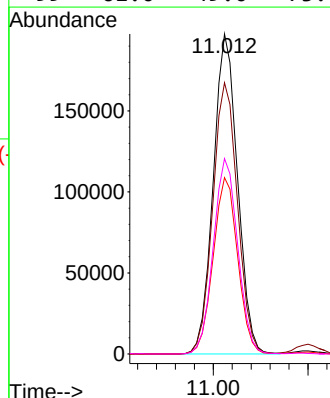
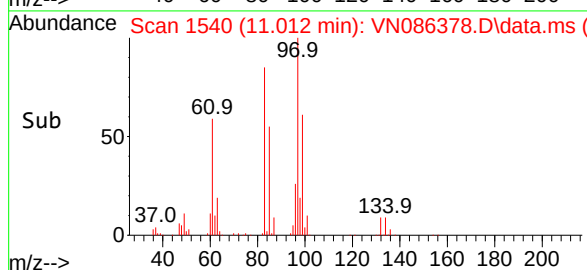
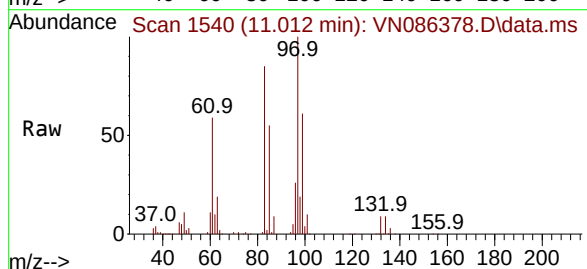
Ion Ratio Lower Upper

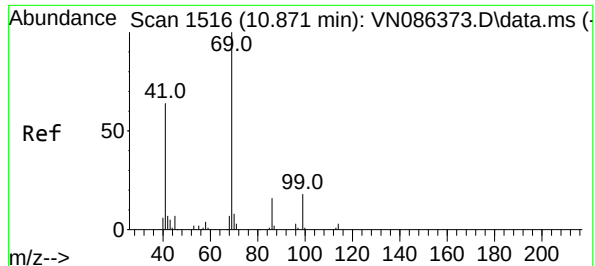
97 100

83 84.7 69.3 103.9

85 55.1 45.5 68.3

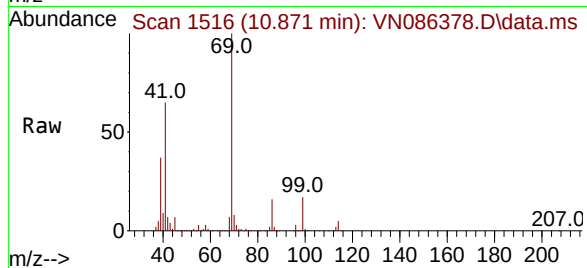
99 61.0 49.0 73.6





#51
Ethyl methacrylate
Concen: 158.346 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

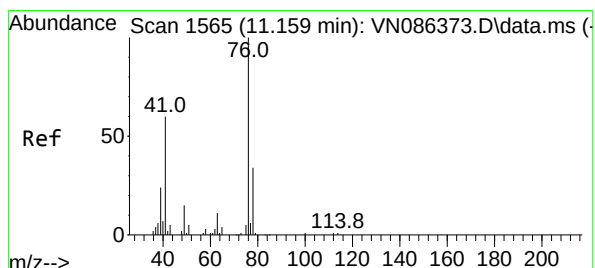
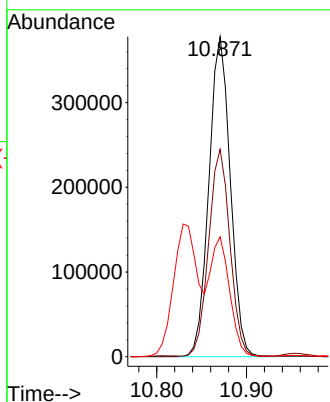
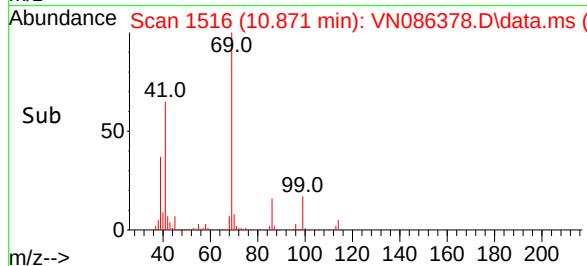
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 69 Resp: 626040
Ion Ratio Lower Upper
69 100
41 64.6 32.3 96.8
39 37.3 19.1 57.1

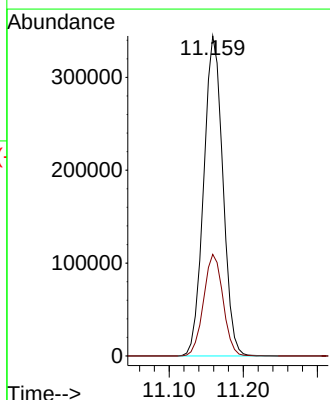
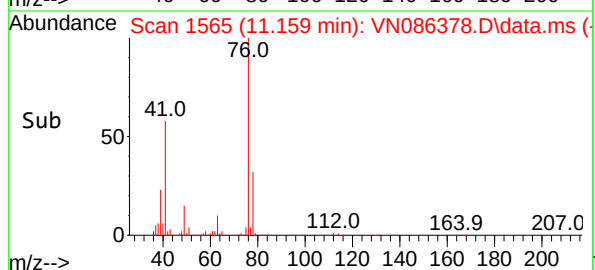
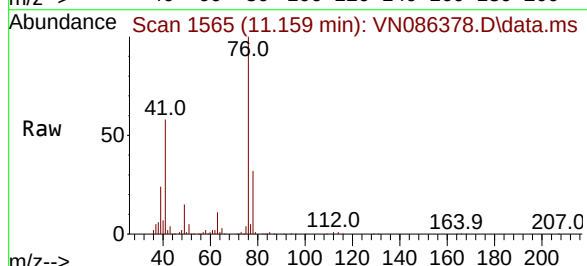
Manual Integrations
APPROVED

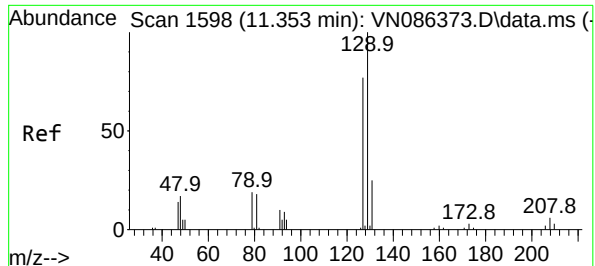
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#52
1,3-Dichloropropane
Concen: 154.247 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

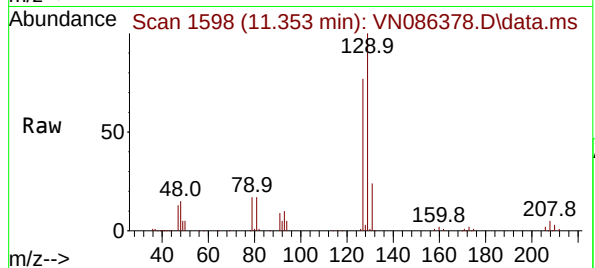
Tgt Ion: 76 Resp: 618867
Ion Ratio Lower Upper
76 100
78 32.2 0.0 65.6





#53
Dibromochloromethane
Concen: 157.150 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

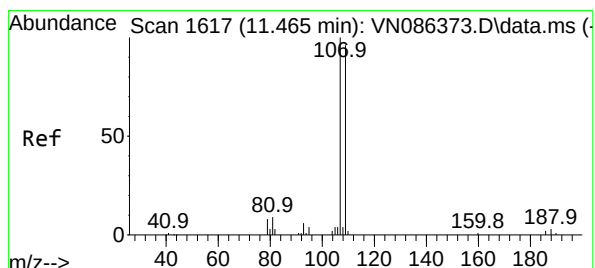
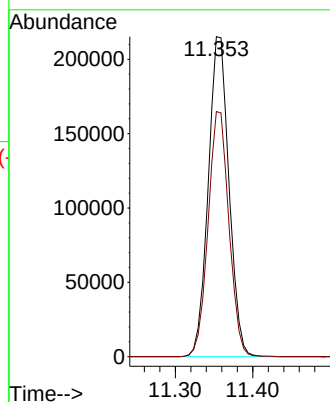
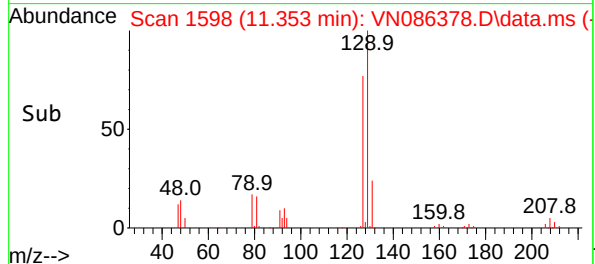
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



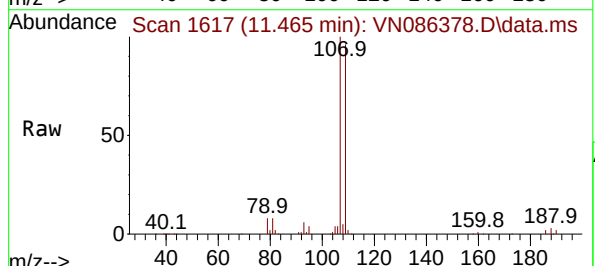
Tgt Ion:129 Resp: 400588
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3

Manual Integrations
APPROVED

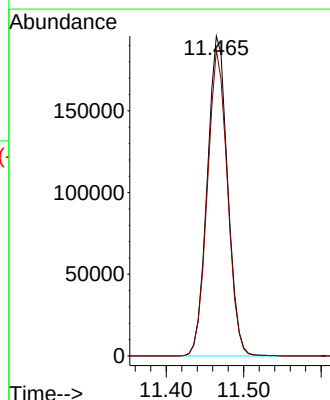
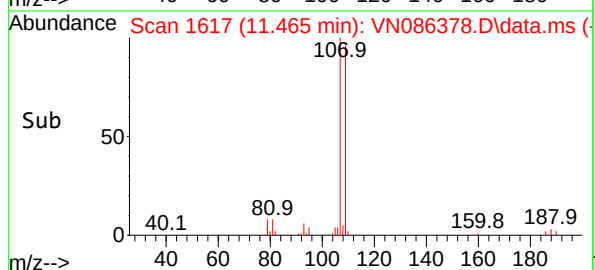
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

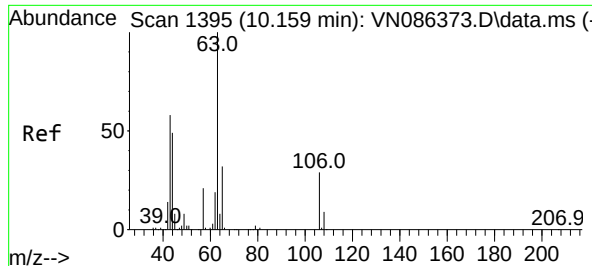


#54
1,2-Dibromoethane
Concen: 154.682 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53



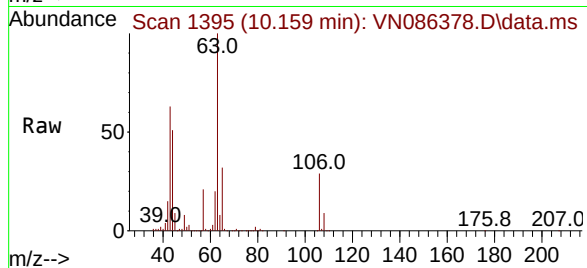
Tgt Ion:107 Resp: 357033
Ion Ratio Lower Upper
107 100
109 94.3 75.4 113.0





#55
2-Chloroethyl vinyl ether
Concen: 811.169 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

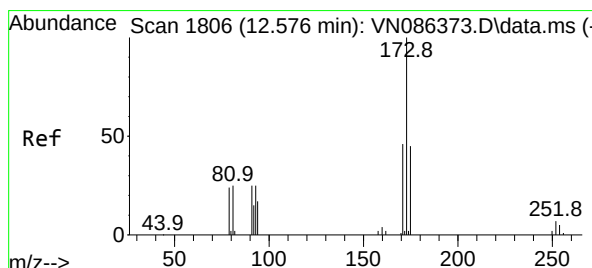
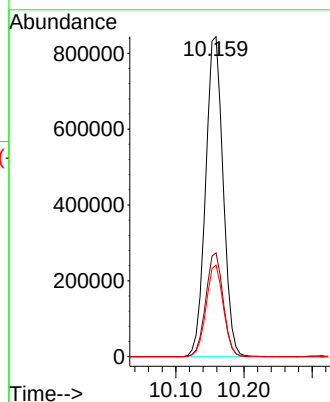
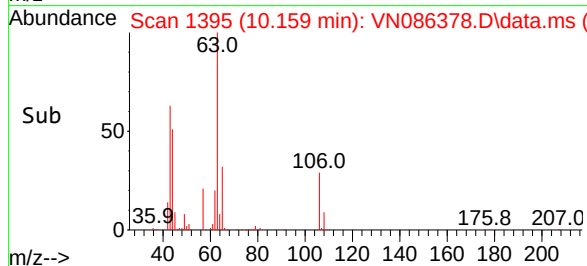
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 63 Resp: 1507820
Ion Ratio Lower Upper
63 100
65 32.2 25.7 38.5
106 28.3 22.3 33.5

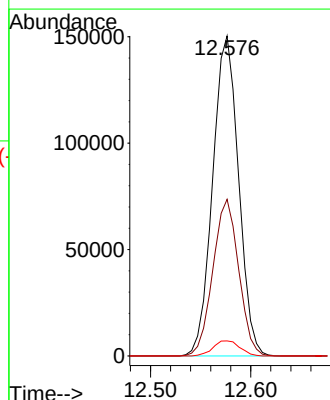
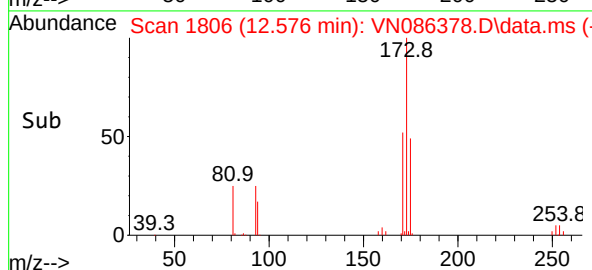
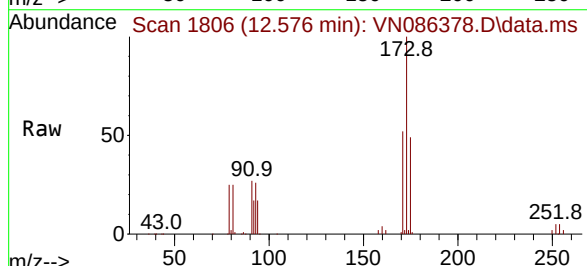
Manual Integrations
APPROVED

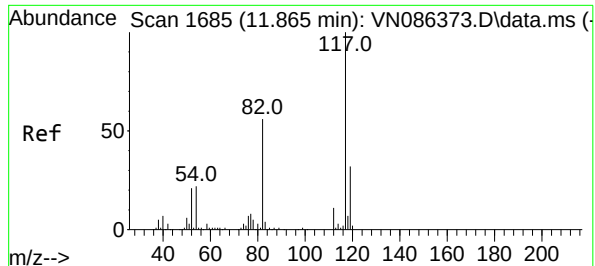
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#56
Bromoform
Concen: 163.108 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

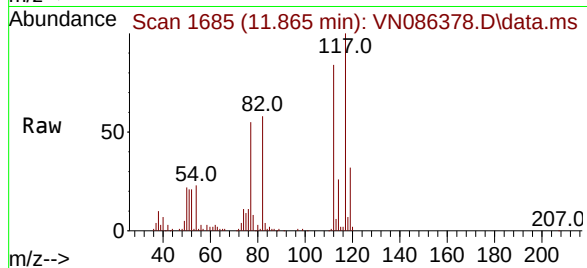
Tgt Ion:173 Resp: 269808
Ion Ratio Lower Upper
173 100
175 48.7 39.0 58.6
254 4.9 3.8 5.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

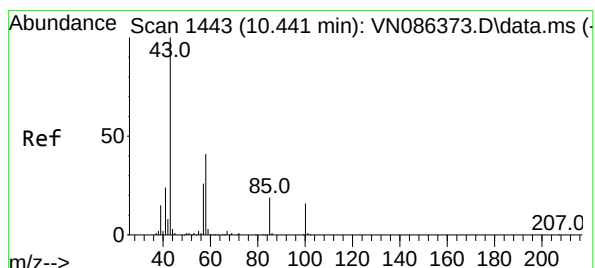
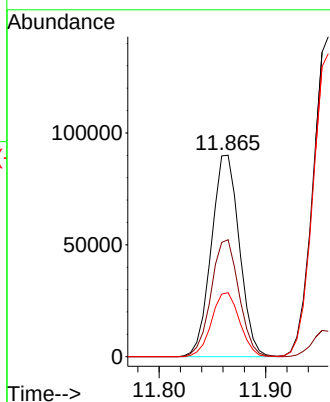
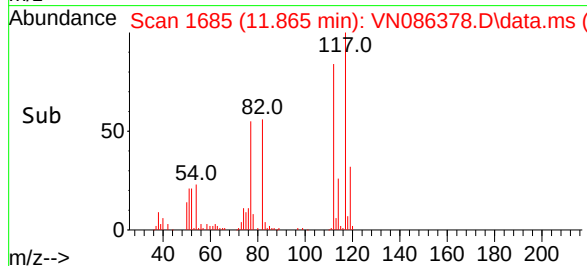
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 117 Resp: 16486
Ion Ratio Lower Upper
117 100
82 57.6 45.5 68.3
119 31.8 25.9 38.9

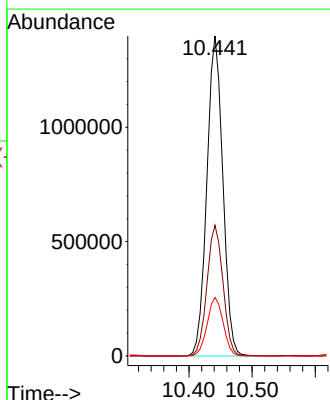
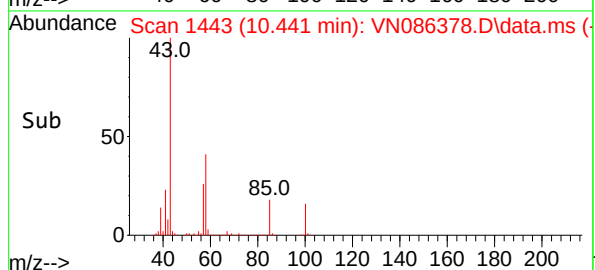
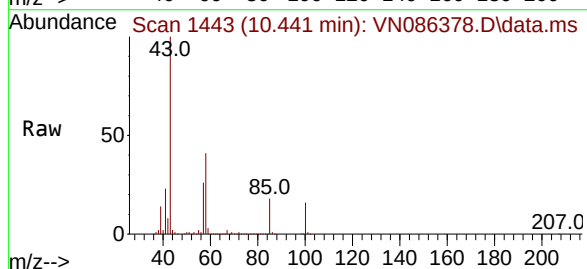
Manual Integrations
APPROVED

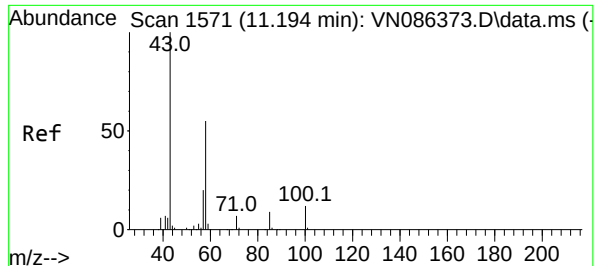
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#58
4-Methyl-2-Pentanone
Concen: 770.528 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

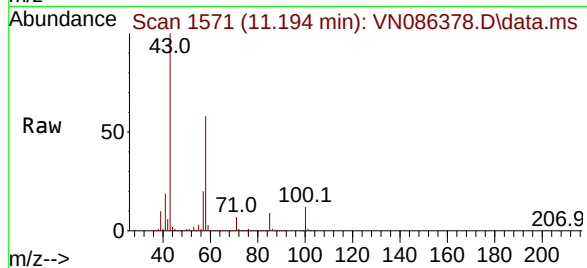
Tgt Ion: 43 Resp: 2458272
Ion Ratio Lower Upper
43 100
58 41.0 33.0 49.6
85 18.4 14.9 22.3





#59
2-Hexanone
Concen: 773.342 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

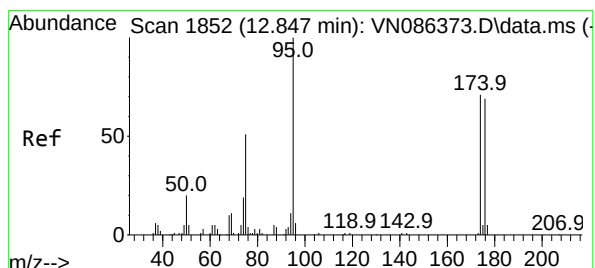
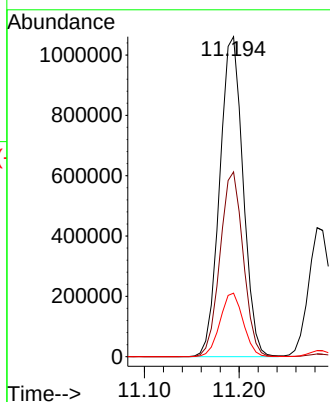
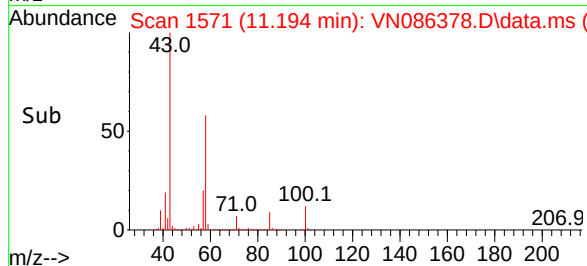
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



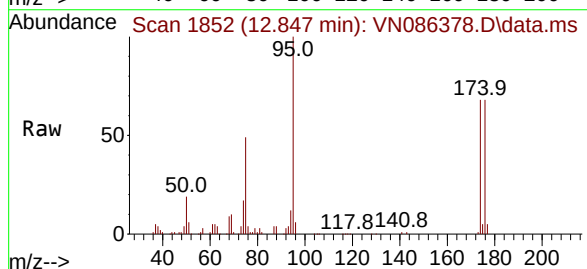
Tgt Ion: 43 Resp: 181818
Ion Ratio Lower Upper
43 100
58 57.3 45.0 67.6
57 19.8 15.5 23.3

Manual Integrations
APPROVED

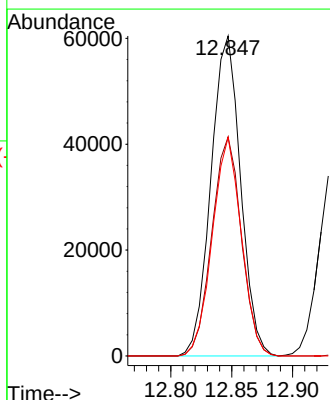
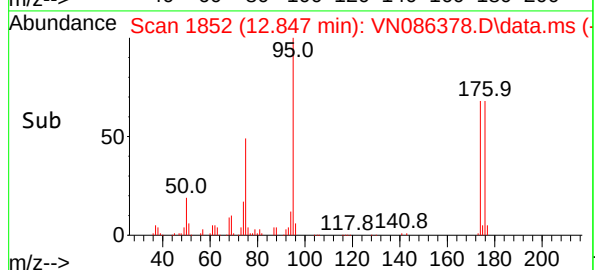
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

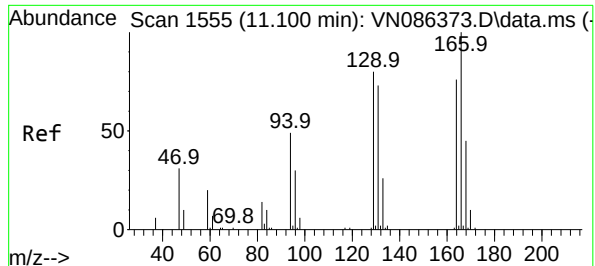


#60
4-Bromofluorobenzene
Concen: 31.582 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53



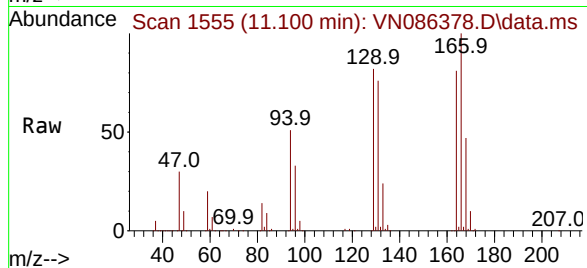
Tgt Ion: 95 Resp: 102335
Ion Ratio Lower Upper
95 100
174 68.2 56.6 84.8
176 66.8 53.3 79.9





#61
Tetrachloroethene
Concen: 154.457 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

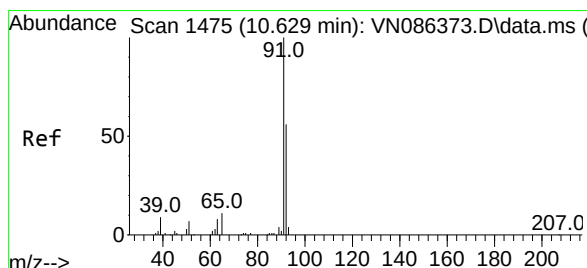
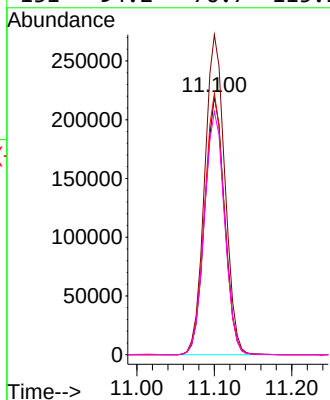
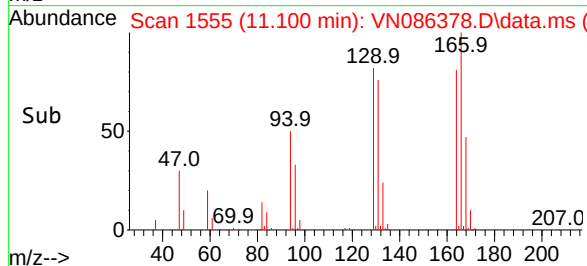
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion:164 Resp: 38838
Ion Ratio Lower Upper
164 100
166 124.0 105.0 157.4
129 101.3 83.9 125.9
131 94.2 76.7 115.1

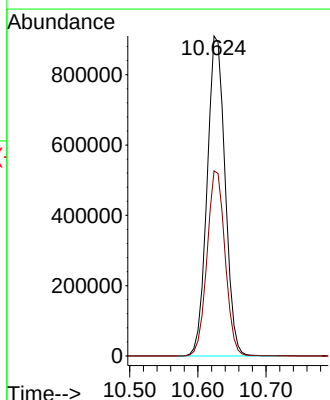
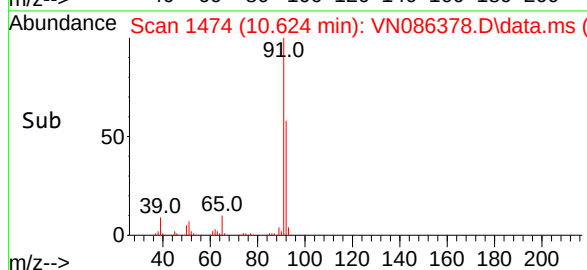
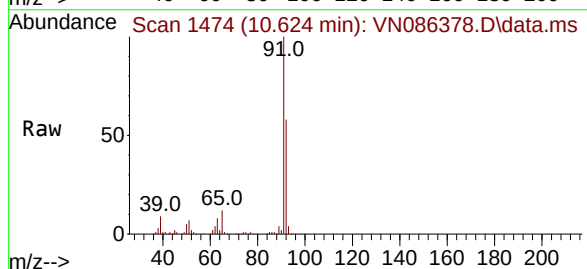
Manual Integrations
APPROVED

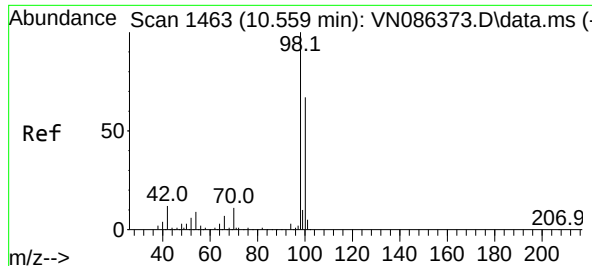
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#62
Toluene
Concen: 151.191 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

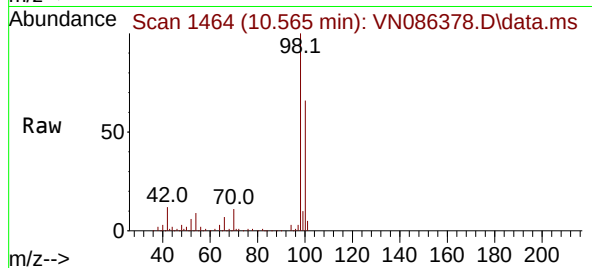
Tgt Ion: 91 Resp: 1668443
Ion Ratio Lower Upper
91 100
92 58.1 45.7 68.5





#63
Toluene-d8
Concen: 29.701 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

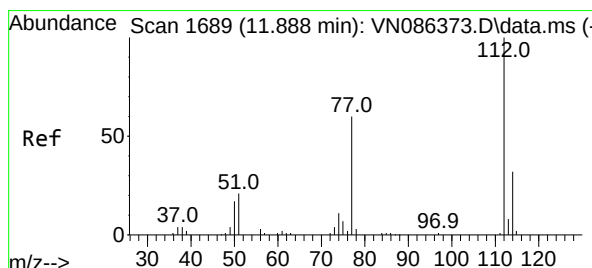
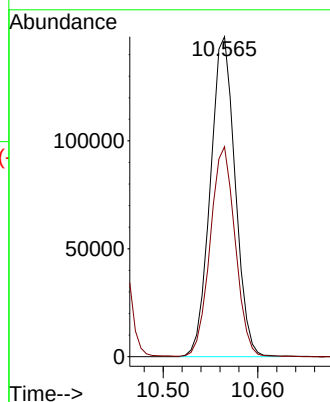
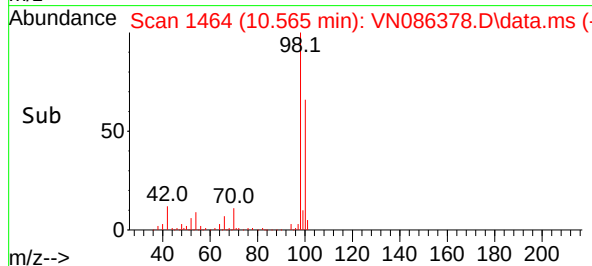
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion: 98 Resp: 269389
Ion Ratio Lower Upper
98 100
100 65.8 53.1 79.7

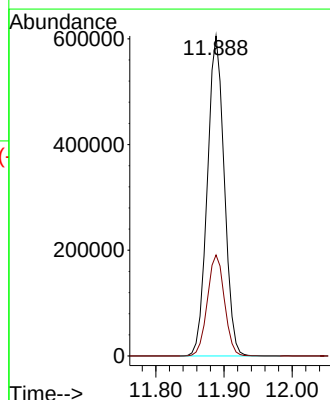
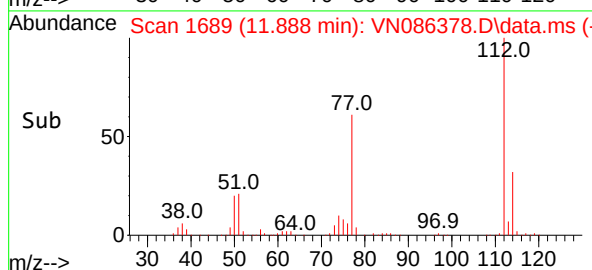
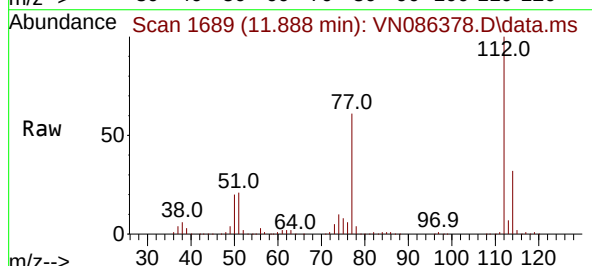
Manual Integrations
APPROVED

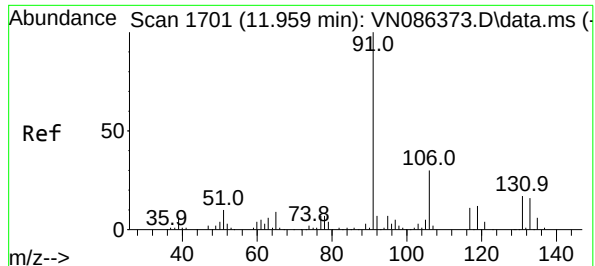
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#64
Chlorobenzene
Concen: 152.021 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Tgt Ion:112 Resp: 1045317
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 154.833 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

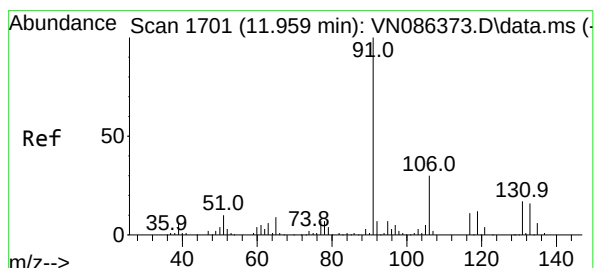
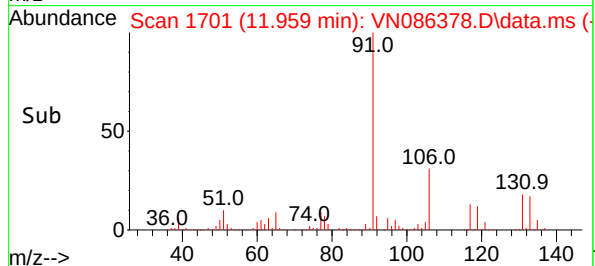
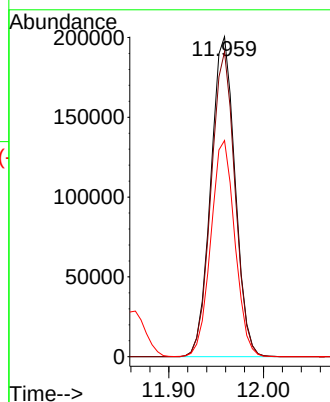
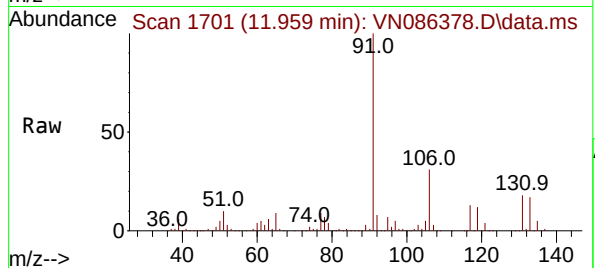
Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	0.0	191.4
119	67.1	0.0	133.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#66

Ethyl Benzene

Concen: 154.943 ug/l

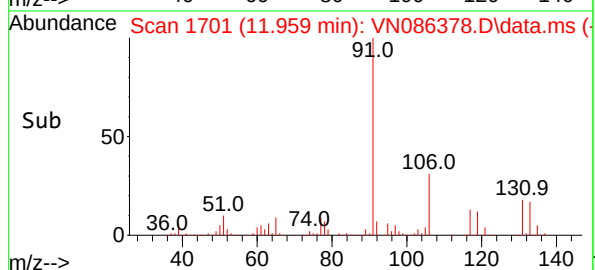
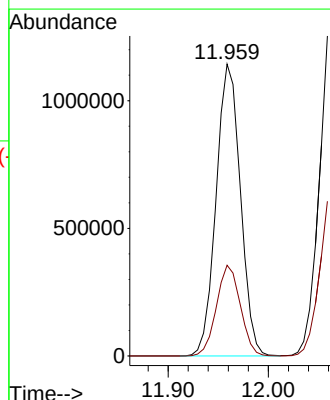
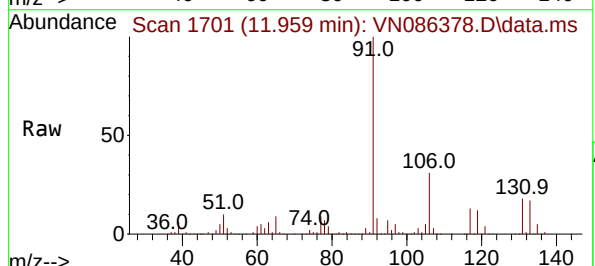
RT: 11.959 min Scan# 1701

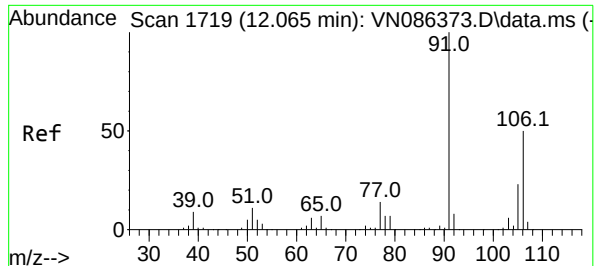
Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.3	36.5





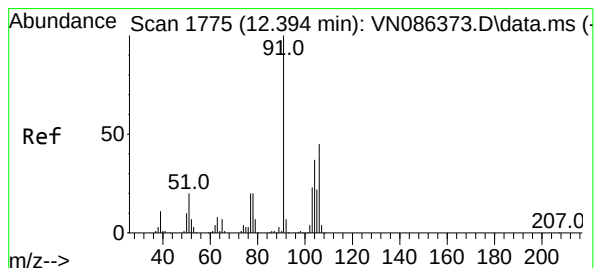
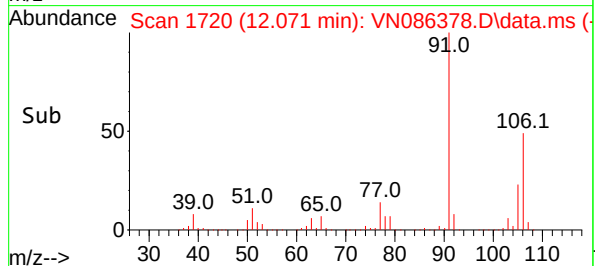
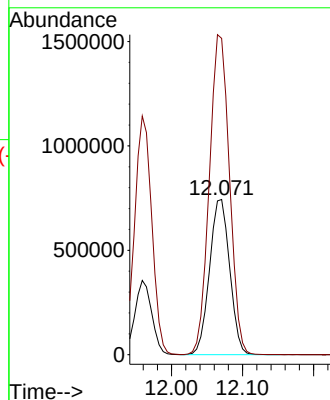
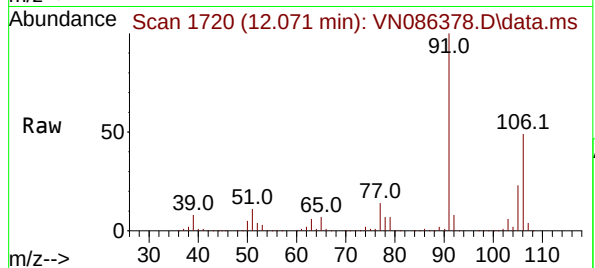
#67
m/p-Xylenes
Concen: 311.039 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 1465950
Ion Ratio Lower Upper
106 100
91 205.7 162.6 243.8

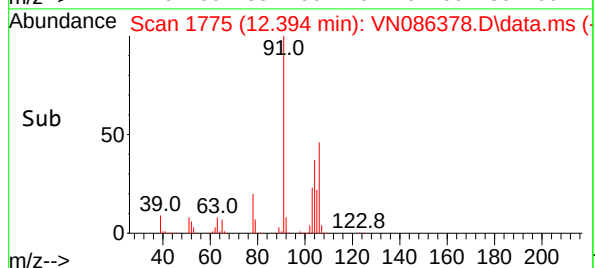
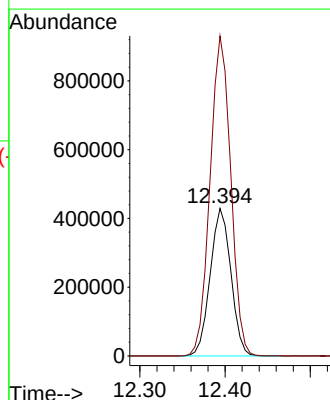
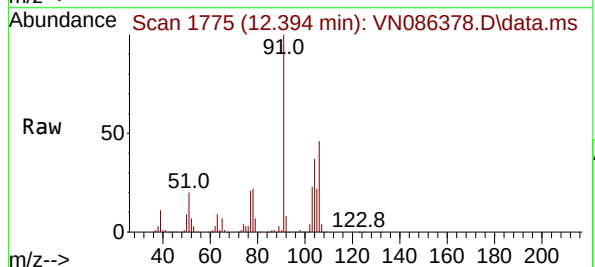
Manual Integrations
APPROVED

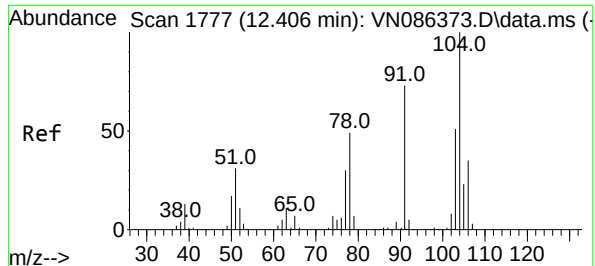
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#68
o-Xylene
Concen: 156.834 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Tgt Ion:106 Resp: 723738
Ion Ratio Lower Upper
106 100
91 217.1 110.6 331.6





#69

Styrene

Concen: 162.527 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:104 Resp: 1271240

Ion Ratio Lower Upper

104 100

78 50.0 40.2 60.4

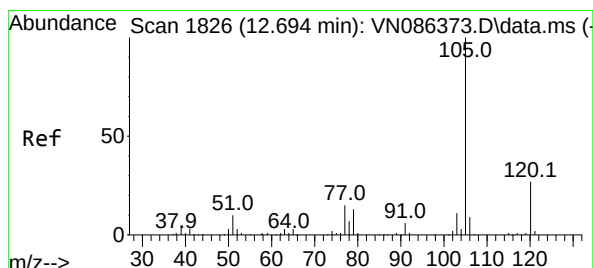
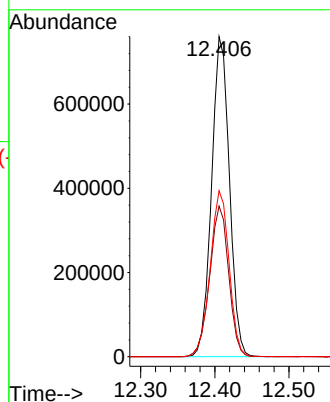
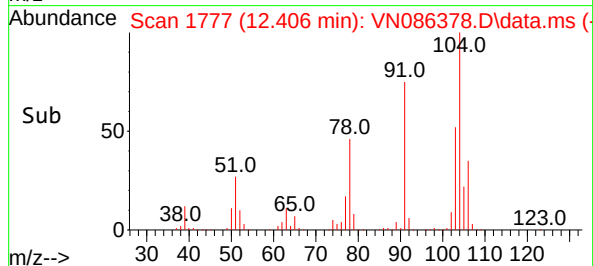
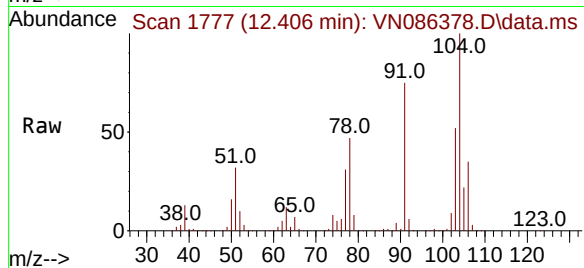
103 54.9 43.8 65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#70

Isopropylbenzene

Concen: 158.002 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN086378.D

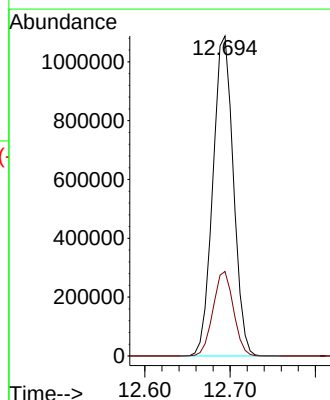
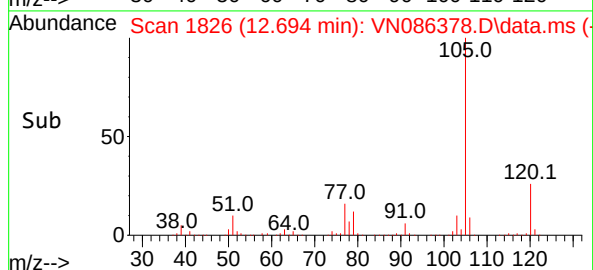
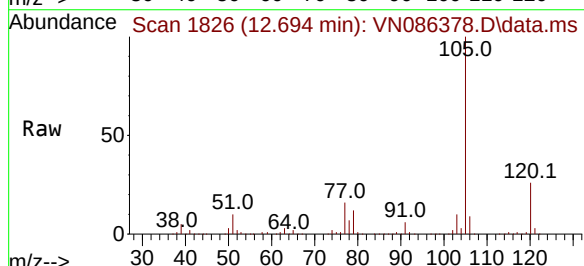
Acq: 23 Apr 2025 11:53

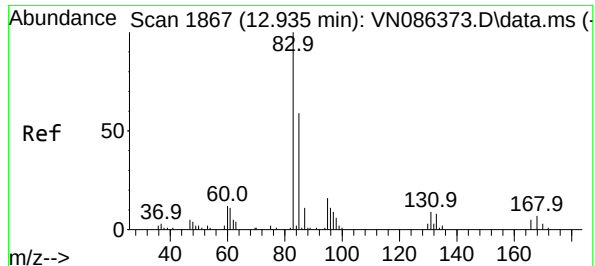
Tgt Ion:105 Resp: 1820093

Ion Ratio Lower Upper

105 100

120 26.3 18.2 33.8





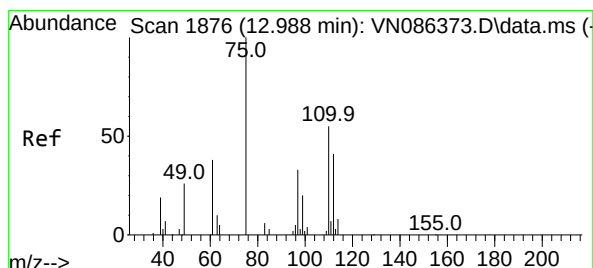
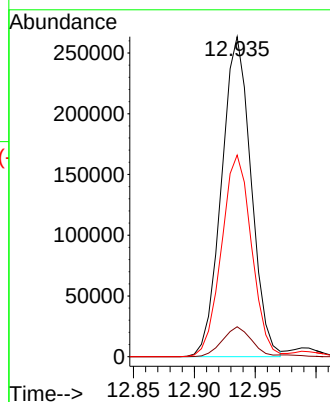
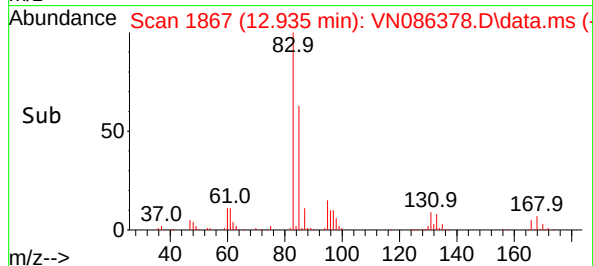
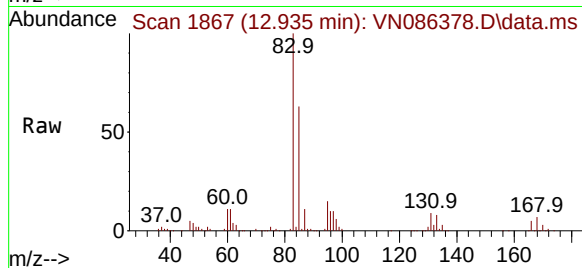
#71
1,1,2,2-Tetrachloroethane
Concen: 146.927 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 44565
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.7
85 63.9 31.7 95.1

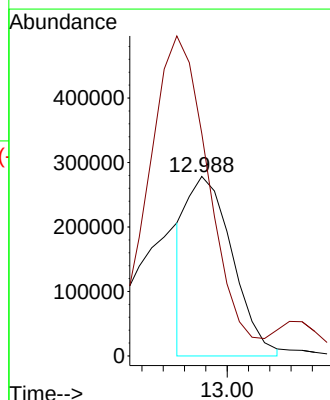
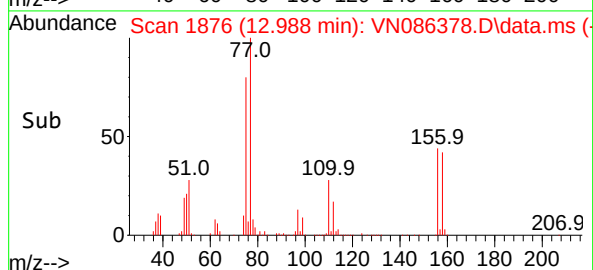
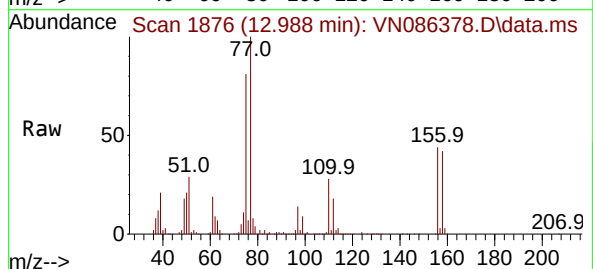
Manual Integrations
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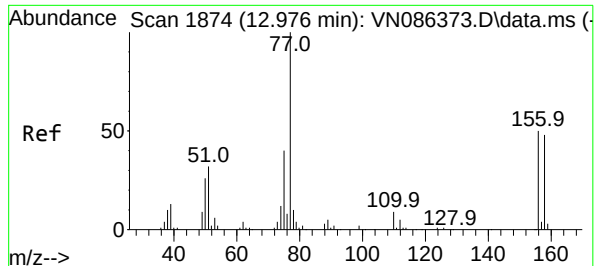
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#72
1,2,3-Trichloropropane
Concen: 157.445 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

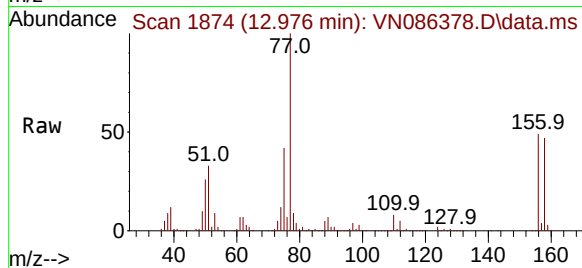
Tgt Ion: 75 Resp: 413811
Ion Ratio Lower Upper
75 100
77 239.1 0.0 464.4





#73
Bromobenzene
Concen: 158.301 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

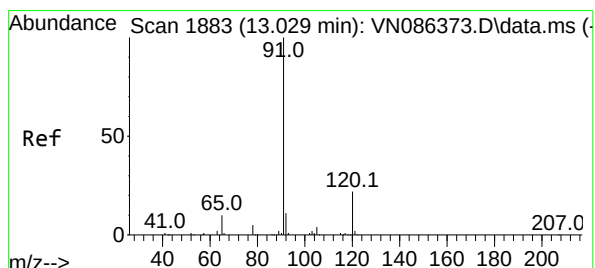
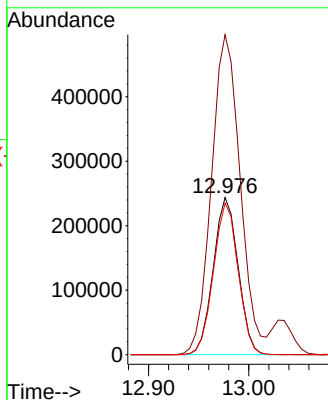
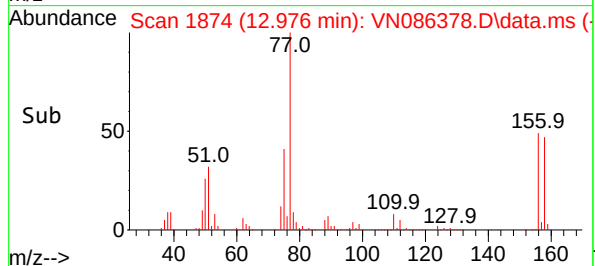
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion:156 Resp: 419234
Ion Ratio Lower Upper
156 100
77 236.0 0.0 463.4
158 95.9 0.0 191.8

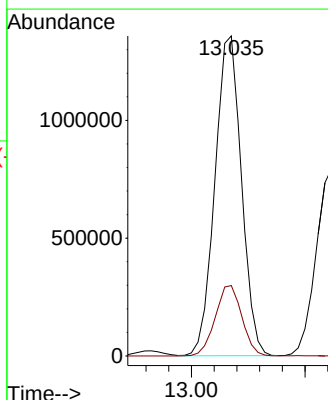
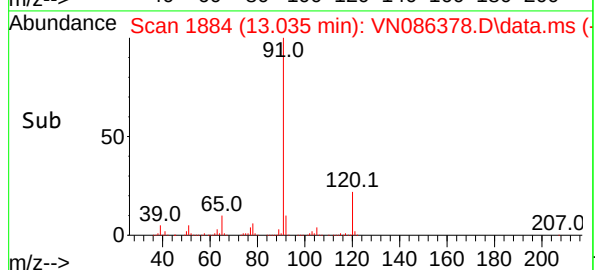
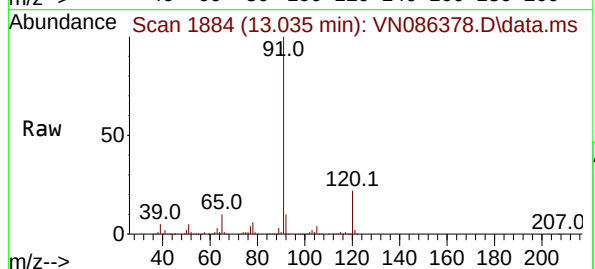
Manual Integrations
APPROVED

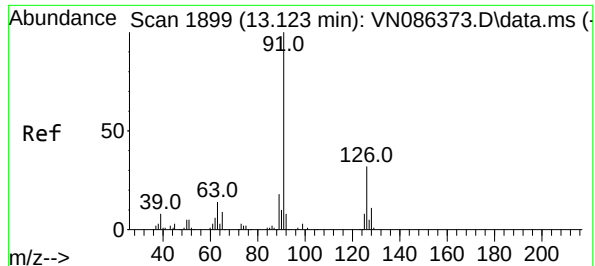
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#74
n-propylbenzene
Concen: 160.846 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.006 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Tgt Ion: 91 Resp: 2201757
Ion Ratio Lower Upper
91 100
120 22.1 0.0 43.8





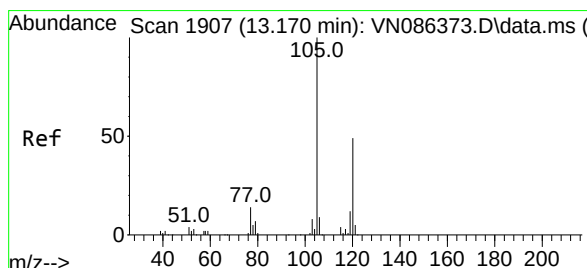
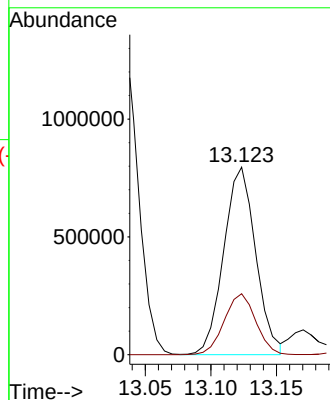
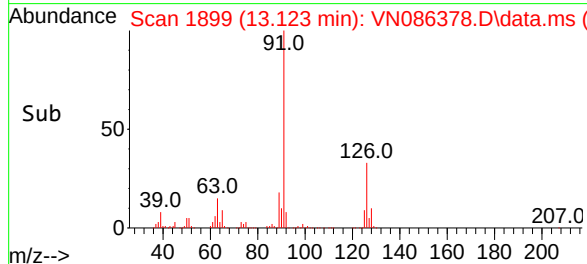
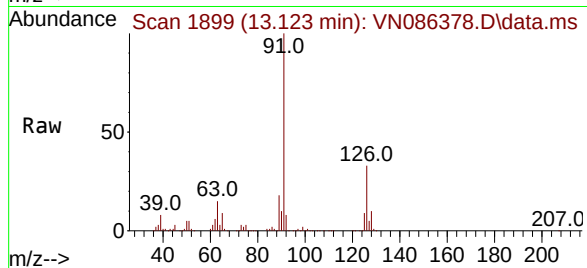
#75
2-Chlorotoluene
Concen: 158.123 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1351179
Ion Ratio Lower Upper
91 100
126 32.1 0.0 65.0

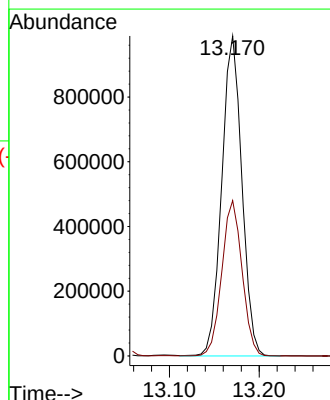
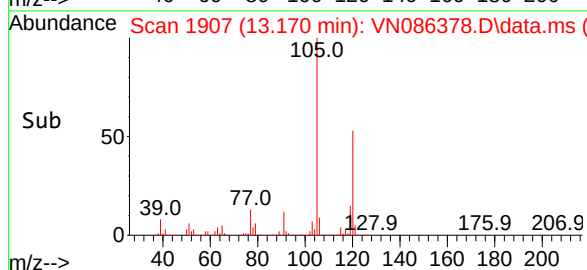
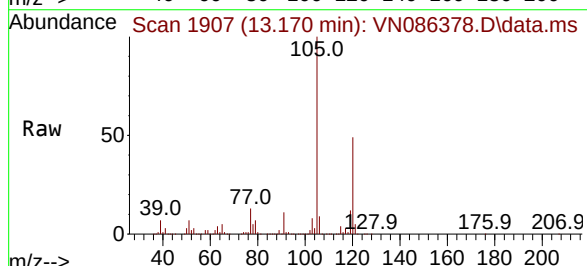
Manual Integrations
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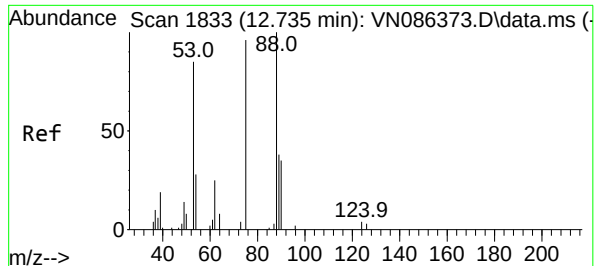
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 162.869 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Tgt Ion:105 Resp: 1539420
Ion Ratio Lower Upper
105 100
120 48.8 0.0 97.6





#77

t-1,4-Dichloro-2-butene

Concen: 164.423 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 220662

Ion Ratio Lower Upper

75 100

53 89.3 46.0 138.0

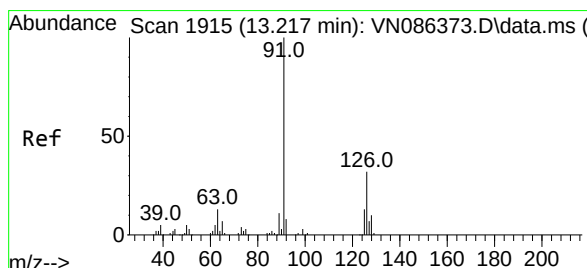
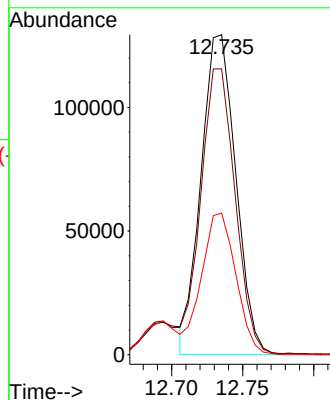
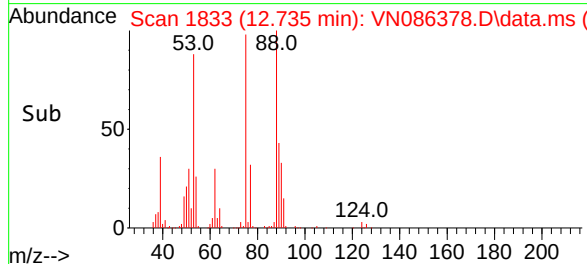
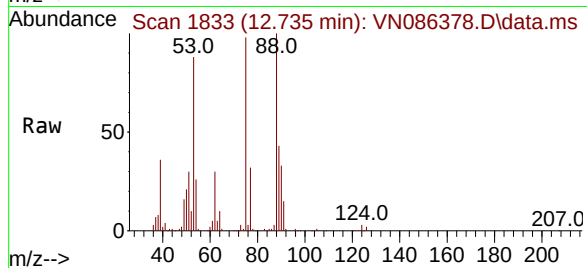
89 44.4 21.6 64.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#78

4-Chlorotoluene

Concen: 163.684 ug/l

RT: 13.218 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VN086378.D

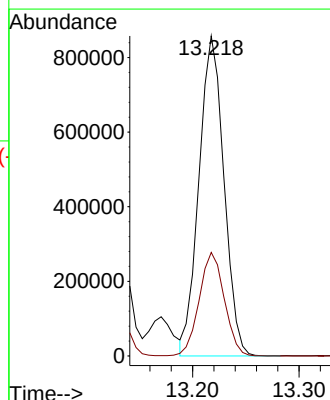
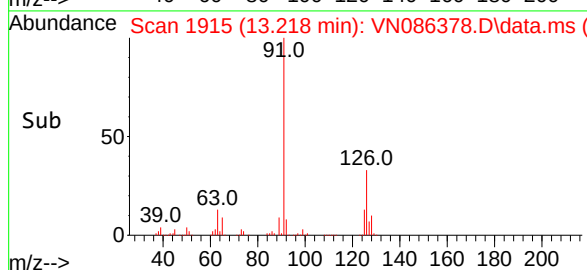
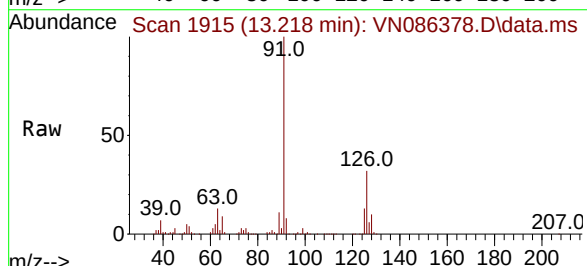
Acq: 23 Apr 2025 11:53

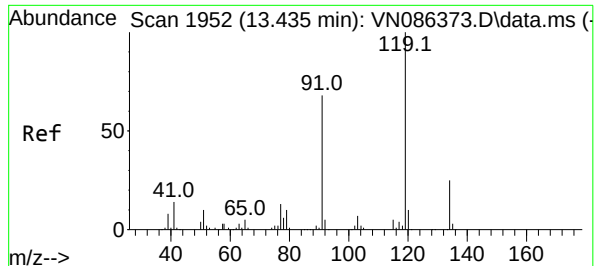
Tgt Ion: 91 Resp: 1398536

Ion Ratio Lower Upper

91 100

126 32.6 0.0 65.4





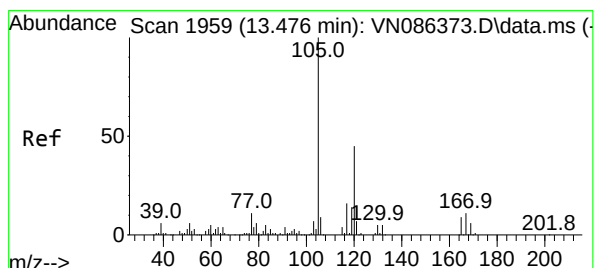
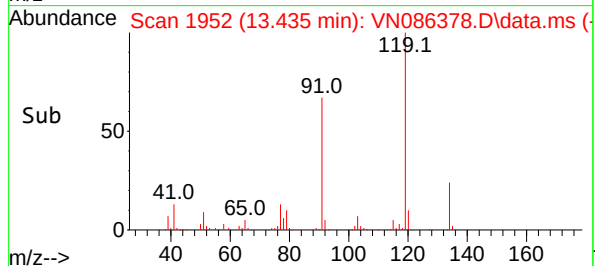
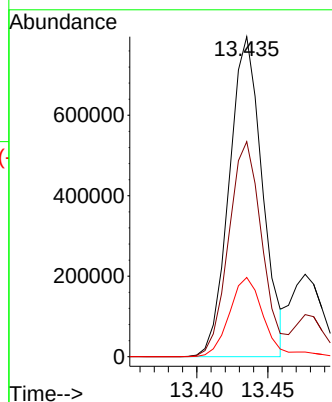
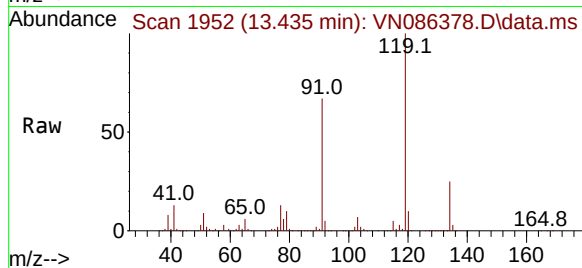
#79
tert-butylbenzene
Concen: 159.319 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:119 Resp: 128967
Ion Ratio Lower Upper
119 100
91 68.4 0.0 137.4
134 24.8 0.0 49.2

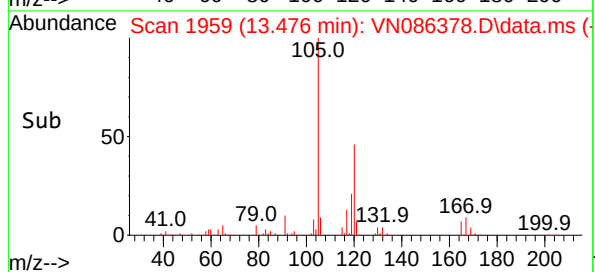
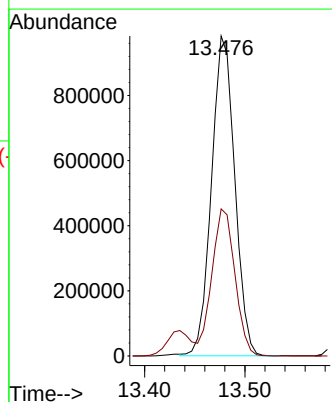
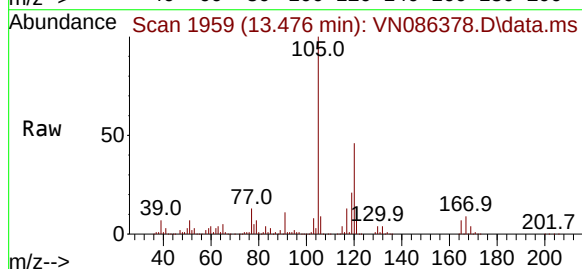
Manual Integrations
APPROVED

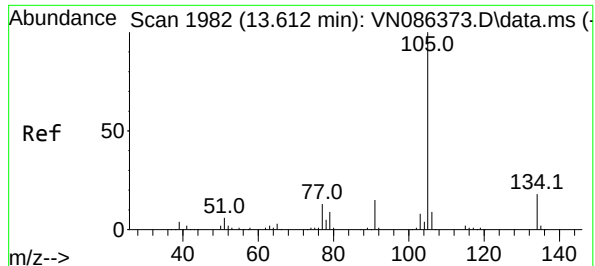
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#80
1,2,4-Trimethylbenzene
Concen: 163.487 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

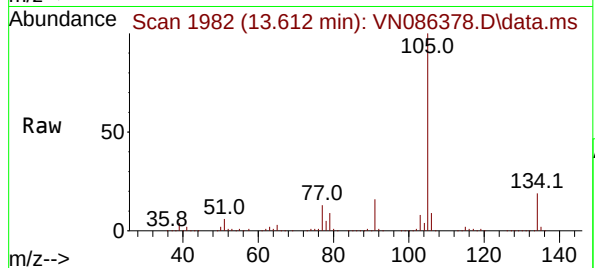
Tgt Ion:105 Resp: 1578141
Ion Ratio Lower Upper
105 100
120 45.4 0.0 87.6





#81
sec-Butylbenzene
Concen: 161.777 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

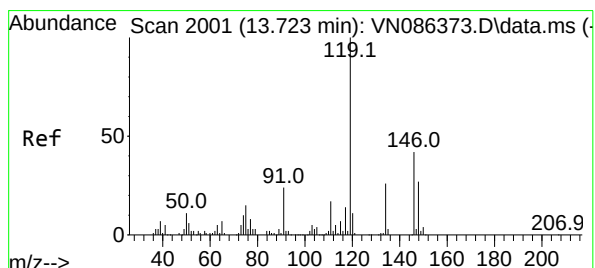
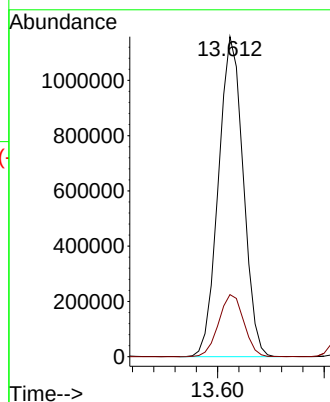
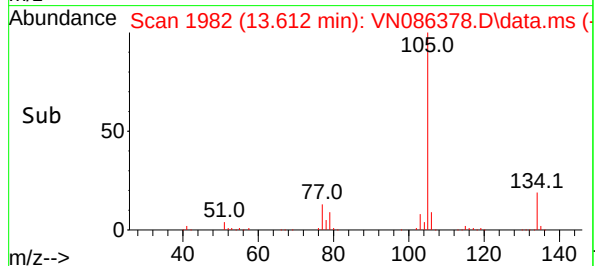
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



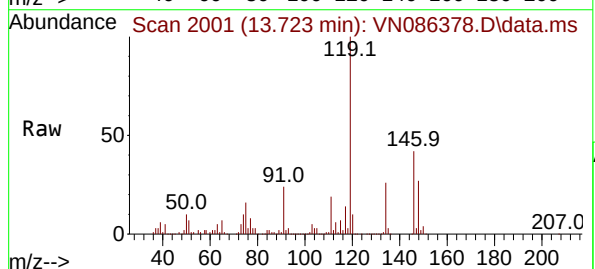
Tgt Ion:105 Resp: 186934
Ion Ratio Lower Upper
105 100
134 19.7 0.0 38.4

Manual Integrations
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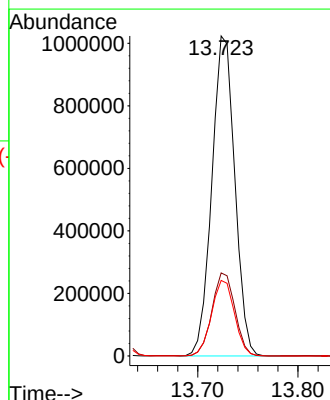
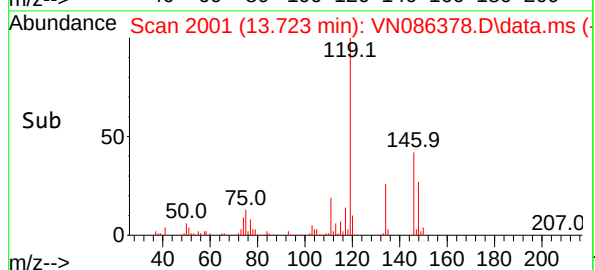
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

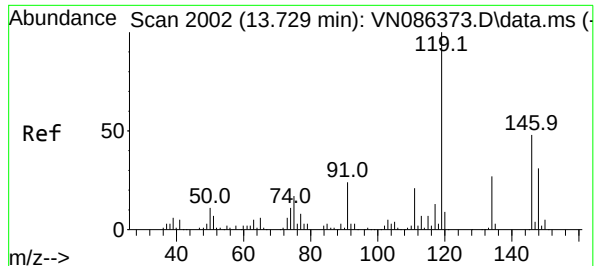


#82
p-Isopropyltoluene
Concen: 168.473 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53



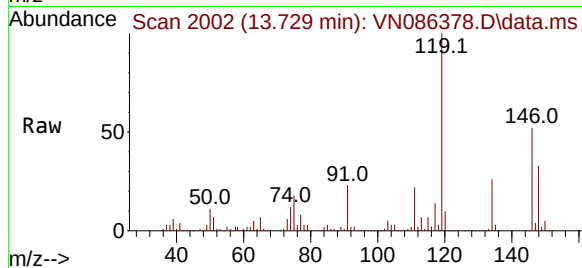
Tgt Ion:119 Resp: 1628968
Ion Ratio Lower Upper
119 100
134 25.9 0.0 52.2
91 23.7 0.0 47.6





#83
1,3-Dichlorobenzene
Concen: 166.415 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

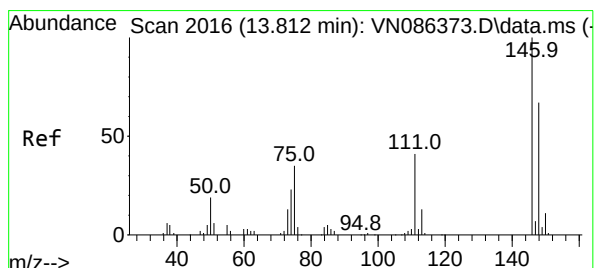
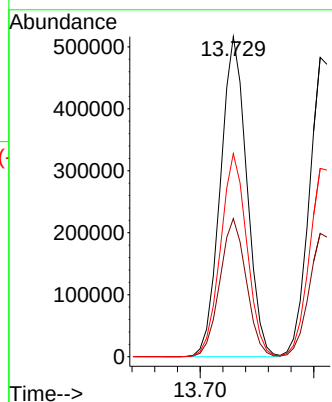
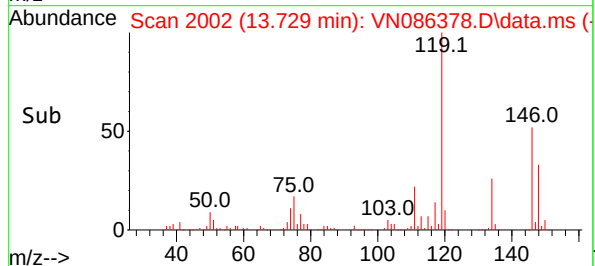
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



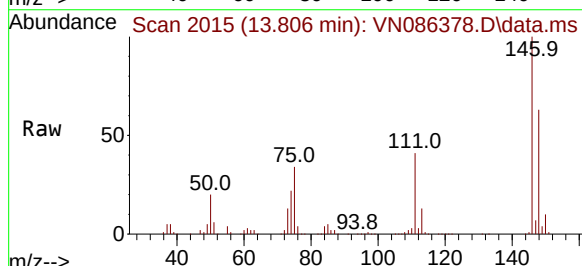
Tgt Ion:146 Resp: 833110
Ion Ratio Lower Upper
146 100
111 43.2 20.7 62.1
148 63.4 32.3 96.8

Manual Integrations
APPROVED

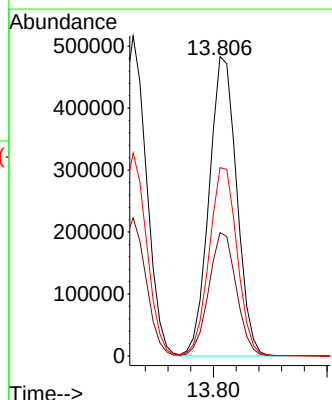
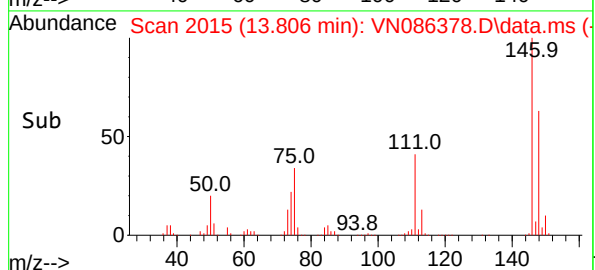
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

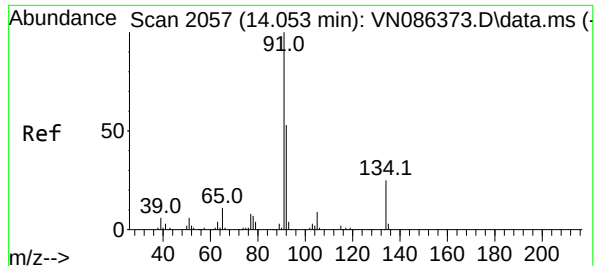


#84
1,4-Dichlorobenzene
Concen: 165.219 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53



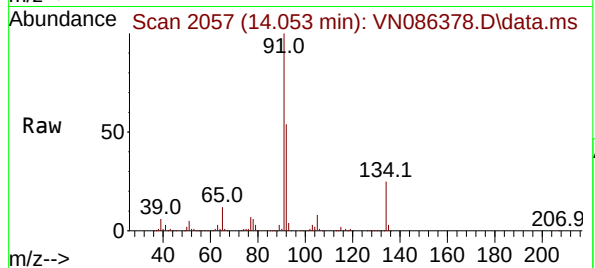
Tgt Ion:146 Resp: 817212
Ion Ratio Lower Upper
146 100
111 40.7 20.3 60.8
148 63.6 32.4 97.2





#85
n-Butylbenzene
Concen: 170.449 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

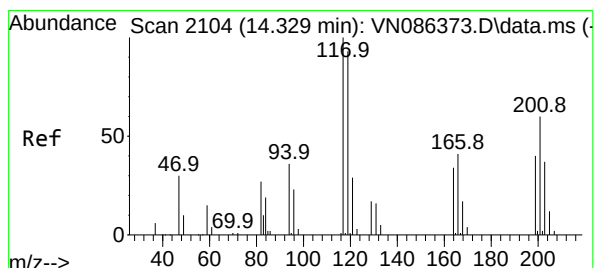
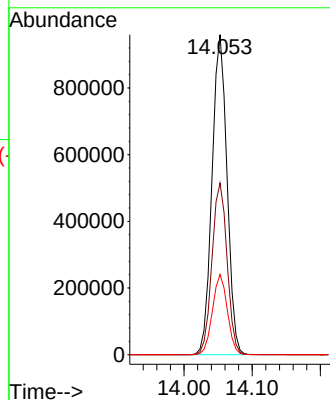
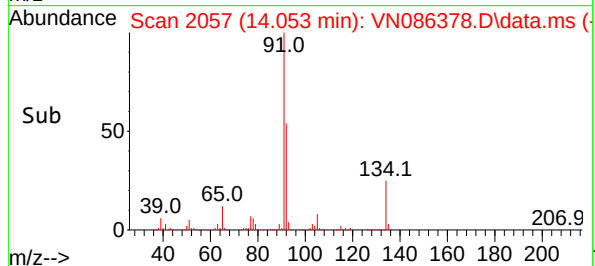
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150



Tgt Ion: 91 Resp: 147056
Ion Ratio Lower Upper
91 100
92 53.9 0.0 107.2
134 24.8 0.0 48.2

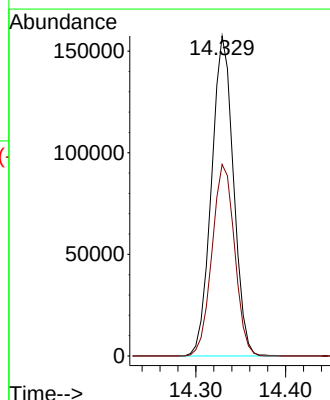
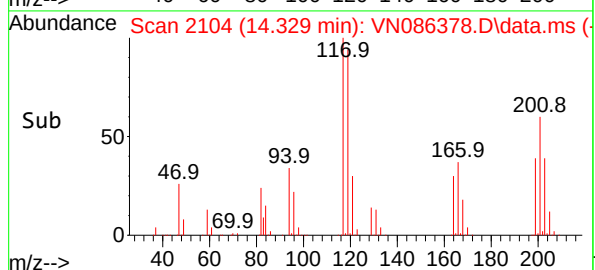
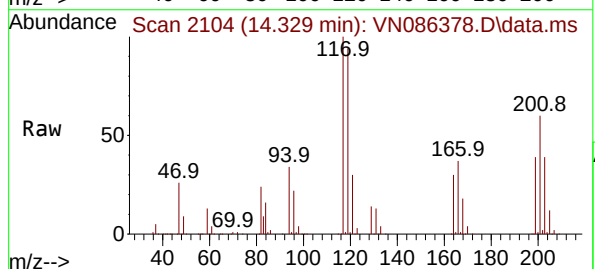
Manual Integrations
APPROVED

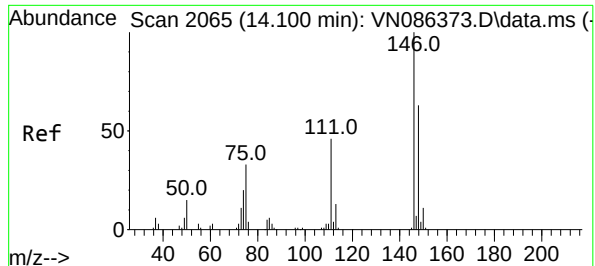
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#86
Hexachloroethane
Concen: 169.237 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Tgt Ion:117 Resp: 267570
Ion Ratio Lower Upper
117 100
201 61.6 31.7 95.1





#87

1,2-Dichlorobenzene

Concen: 162.374 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 773464

Ion Ratio Lower Upper

146 100

111 44.2 22.1 66.3

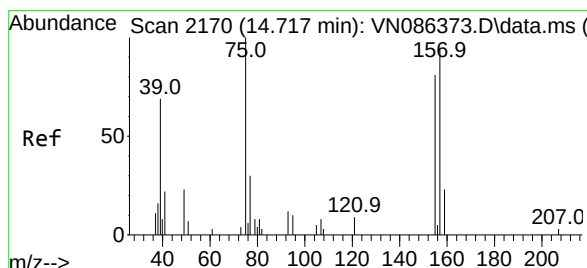
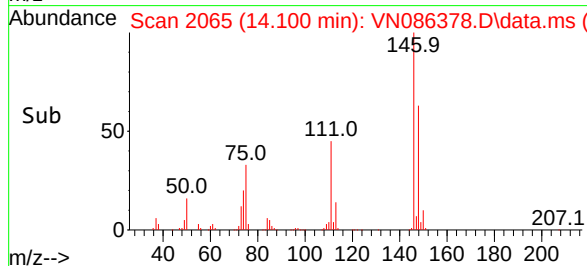
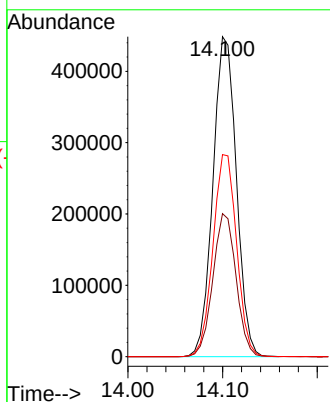
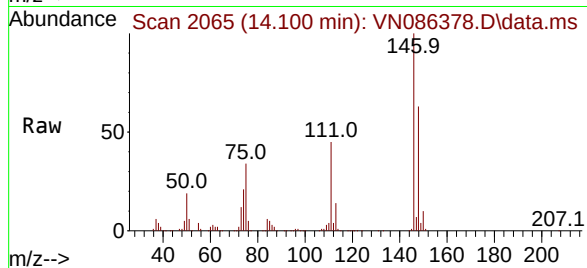
148 63.7 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 160.195 ug/l

RT: 14.717 min Scan# 2170

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

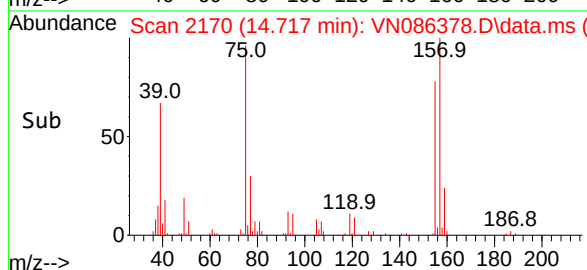
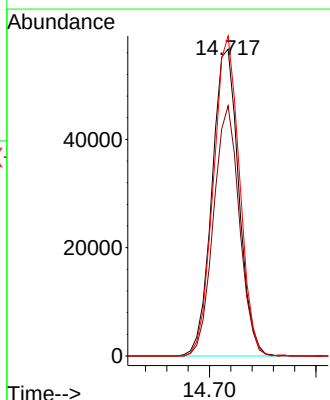
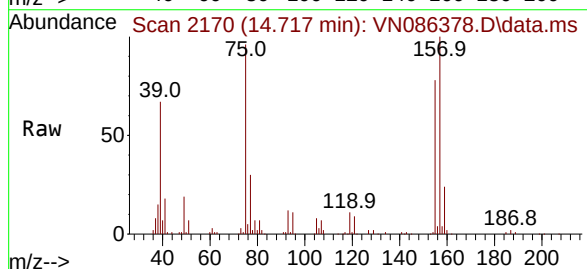
Tgt Ion: 75 Resp: 98763

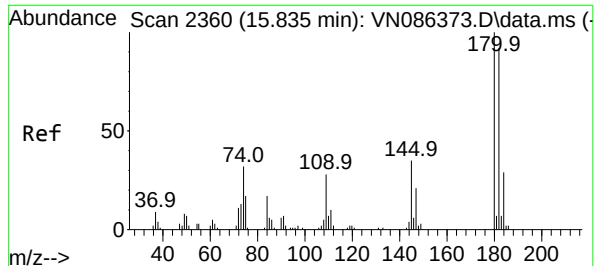
Ion Ratio Lower Upper

75 100

155 78.9 64.0 96.0

157 101.4 78.2 117.4





#89

1,2,4-Trichlorobenzene

Concen: 165.211 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 35868

Ion Ratio Lower Upper

180 100

182 94.3 74.8 112.2

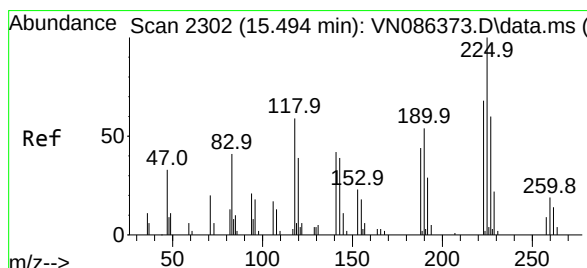
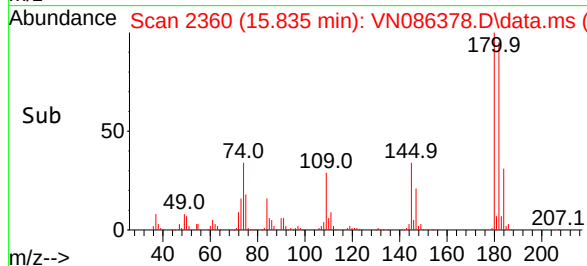
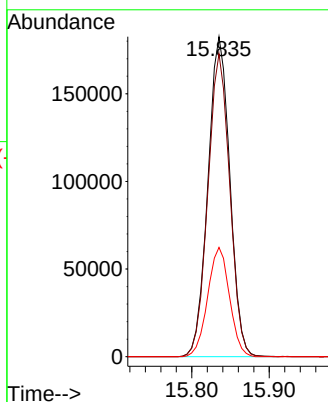
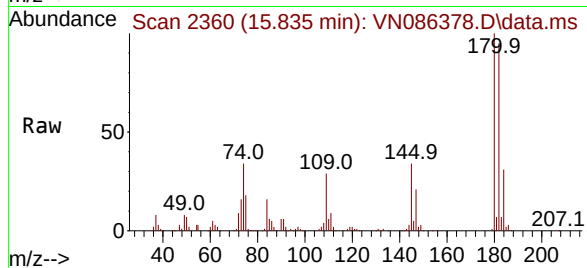
145 34.0 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#90

Hexachlorobutadiene

Concen: 151.803 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. 0.000 min

Lab File: VN086378.D

Acq: 23 Apr 2025 11:53

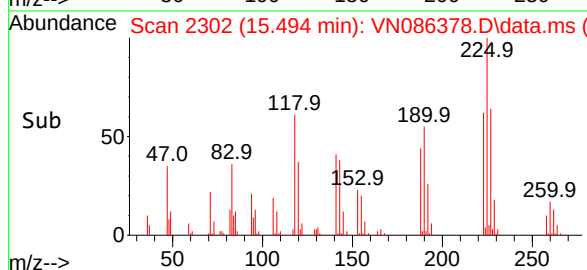
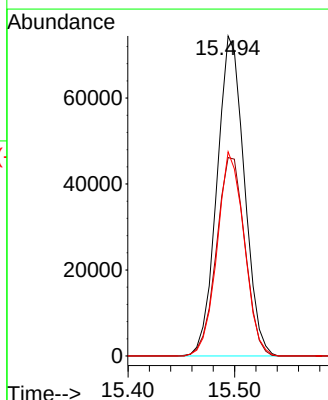
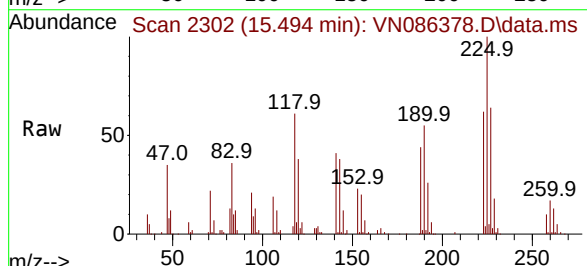
Tgt Ion:225 Resp: 132753

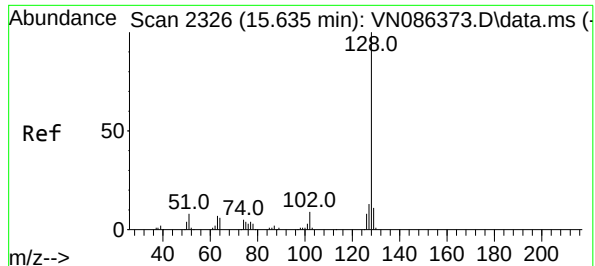
Ion Ratio Lower Upper

225 100

223 64.5 0.0 128.8

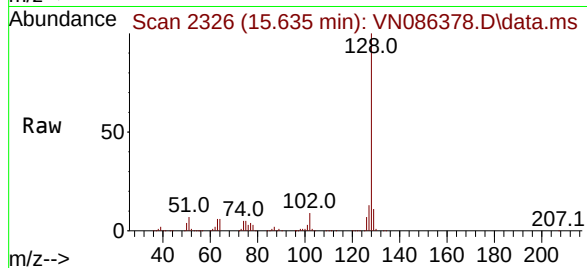
227 63.0 0.0 120.2





#91
Naphthalene
Concen: 166.356 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

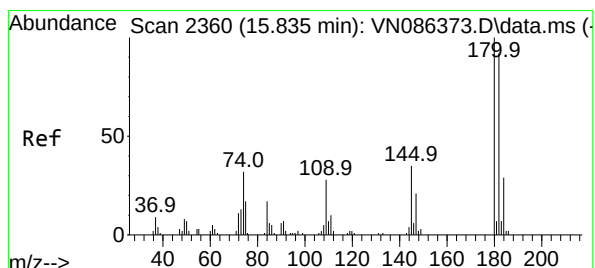
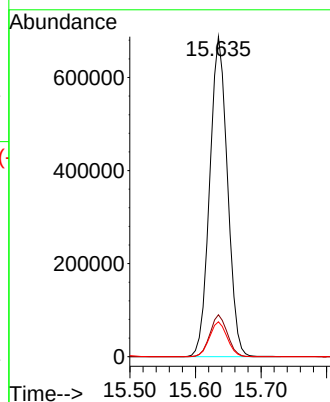
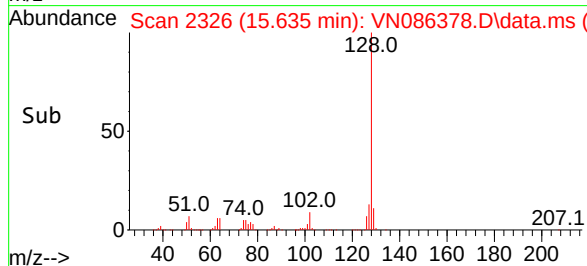
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150



Tgt Ion:128 Resp: 129302
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.9 8.7 13.1

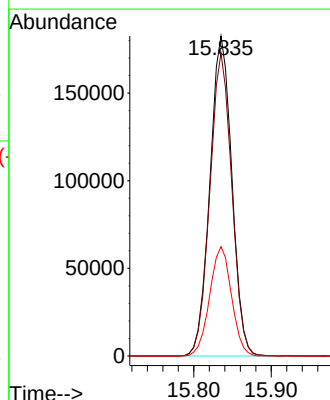
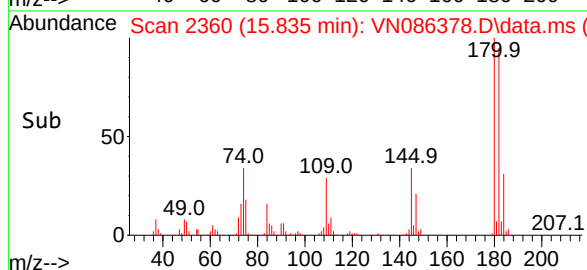
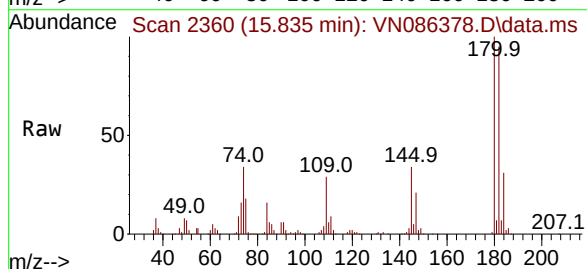
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 165.211 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086378.D
Acq: 23 Apr 2025 11:53

Tgt Ion:180 Resp: 358682
Ion Ratio Lower Upper
180 100
182 94.3 0.0 187.0
145 34.0 0.0 67.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086379.D
 Acq On : 23 Apr 2025 12:37
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:25:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 03:57:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	30419	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	174699	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	164127	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84076	28.668	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.567%		
60) 4-Bromofluorobenzene	12.847	95	98684	30.592	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.967%		
63) Toluene-d8	10.565	98	268576	29.745	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.133%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	219730	104.629	ug/l	98
3) Chloromethane	2.360	50	306073	102.601	ug/l	97
4) Vinyl Chloride	2.512	62	291612	102.063	ug/l	98
5) Bromomethane	2.948	94	145025	97.222	ug/l	96
6) Chloroethane	3.112	64	188295	98.855	ug/l	96
7) Trichlorofluoromethane	3.501	101	339483	100.661	ug/l	99
8) Diethyl Ether	3.959	74	142350	99.994	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	210493	101.523	ug/l	97
10) 1,1-Dichloroethene	4.342	96	212572	100.169	ug/l	96
11) Methyl Iodide	4.589	142	254830	102.630	ug/l	97
12) Methyl Acetate	5.018	43	303813	101.006	ug/l	99
13) Acrolein	4.177	56	59777	526.461	ug/l	100
14) Acrylonitrile	5.712	53	562850	502.781	ug/l	99
15) Acetone	4.418	58	155944	505.531	ug/l	97
16) Carbon Disulfide	4.706	76	535511	95.765	ug/l	99
17) Allyl chloride	5.018	41	343007	101.086	ug/l	97
18) Methylene Chloride	5.271	84	240773	99.629	ug/l	97
19) trans-1,2-Dichloroethene	5.783	96	225835	99.843	ug/l	95
20) Diisopropyl ether	6.665	45	827730	102.594	ug/l	97
21) 1,1-Dichloroethane	6.565	63	442858	100.277	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	285798	101.049	ug/l	98
23) tert-Butyl Alcohol	5.512	59	203036	468.185	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	786920	100.365	ug/l	99
25) Chloroform	7.959	83	444712	99.497	ug/l	98
26) Cyclohexane	8.253	56	388134	99.536	ug/l #	100
29) 1,1-Dichloropropene	8.371	75	323903	105.170	ug/l	99
30) 2-Butanone	7.477	43	777621	520.201	ug/l	100
31) 2,2-Dichloropropane	7.489	77	407332	102.887	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	378868	102.945	ug/l	99
33) Carbon Tetrachloride	8.359	117	315313	104.076	ug/l	98
34) Benzene	8.600	78	1017889	103.912	ug/l	98
35) Methacrylonitrile	7.777	41	176285	103.381	ug/l	97
36) 1,2-Dichloroethane	8.665	62	330021	103.769	ug/l	99
37) Trichloroethene	9.347	130	256115	104.441	ug/l	94
38) Methylcyclohexane	9.594	83	374627	105.322	ug/l	99
39) 1,2-Dichloropropane	9.618	63	248413	102.652	ug/l	97
40) Dibromomethane	9.706	93	165831	102.469	ug/l	98
41) Bromodichloromethane	9.883	83	356275	104.030	ug/l	100
42) Vinyl Acetate	6.600	43	2634471	508.753	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086379.D
 Acq On : 23 Apr 2025 12:37
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:25:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 03:57:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	296729	100.306	ug/l	98
44) Isopropyl Acetate	8.683	43	563189	100.309	ug/l	99
45) 1,4-Dioxane	9.688	88	89081	2033.531	ug/l	97
46) Methyl methacrylate	9.677	41	266838	103.033	ug/l	99
47) n-amyl Acetate	12.488	43	504826	105.493	ug/l	99
48) t-1,3-Dichloropropene	10.830	75	406922	106.279	ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	426255	105.570	ug/l	100
50) 1,1,2-Trichloroethane	11.012	97	235538	104.198	ug/l	97
51) Ethyl methacrylate	10.871	69	418356	106.266	ug/l	98
52) 1,3-Dichloropropane	11.159	76	415656	104.040	ug/l	100
53) Dibromochloromethane	11.359	129	266681	105.065	ug/l	99
54) 1,2-Dibromoethane	11.465	107	239438	104.177	ug/l	99
55) 2-Chloroethyl vinyl ether	10.153	63	956039	516.516	ug/l	100
56) Bromoform	12.576	173	175855	106.763	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	1605575	505.519	ug/l	100
59) 2-Hexanone	11.194	43	1186815	507.067	ug/l	99
61) Tetrachloroethene	11.100	164	256056	102.288	ug/l	96
62) Toluene	10.624	91	1133294	103.158	ug/l	99
64) Chlorobenzene	11.888	112	706237	103.170	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	236307	103.242	ug/l	99
66) Ethyl Benzene	11.959	91	1290476	104.357	ug/l	100
67) m/p-Xylenes	12.065	106	977944	208.429	ug/l	97
68) o-Xylene	12.394	106	479032	104.273	ug/l	98
69) Styrene	12.406	104	833303	107.015	ug/l	99
70) Isopropylbenzene	12.694	105	1206389	105.197	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	302296	100.113	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	265966m	101.648	ug/l	
73) Bromobenzene	12.976	156	273523	103.746	ug/l	98
74) n-propylbenzene	13.029	91	1448668	106.306	ug/l	100
75) 2-Chlorotoluene	13.124	91	881066	103.571	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	989559	105.165	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	143204	107.186	ug/l	95
78) 4-Chlorotoluene	13.218	91	902138	106.061	ug/l	100
79) tert-butylbenzene	13.435	119	838738	104.079	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	1000736	104.137	ug/l	97
81) sec-Butylbenzene	13.612	105	1210897	105.264	ug/l	99
82) p-Isopropyltoluene	13.723	119	1030447	107.051	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	525798	105.501	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	520155	105.635	ug/l	99
85) n-Butylbenzene	14.053	91	933101	108.639	ug/l	99
86) Hexachloroethane	14.329	117	169652	107.787	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	495563	104.502	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.718	75	63382	103.269	ug/l	99
89) 1,2,4-Trichlorobenzene	15.835	180	235238	108.839	ug/l	98
90) Hexachlorobutadiene	15.500	225	91753	105.391	ug/l	99
91) Naphthalene	15.635	128	843461	109.005	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	235238	108.839	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086379.D
 Acq On : 23 Apr 2025 12:37
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

MSVOA_N

Client SampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By : John Carlone 04/24/2025

Supervised By : Mahesh Dadoda 04/25/2025

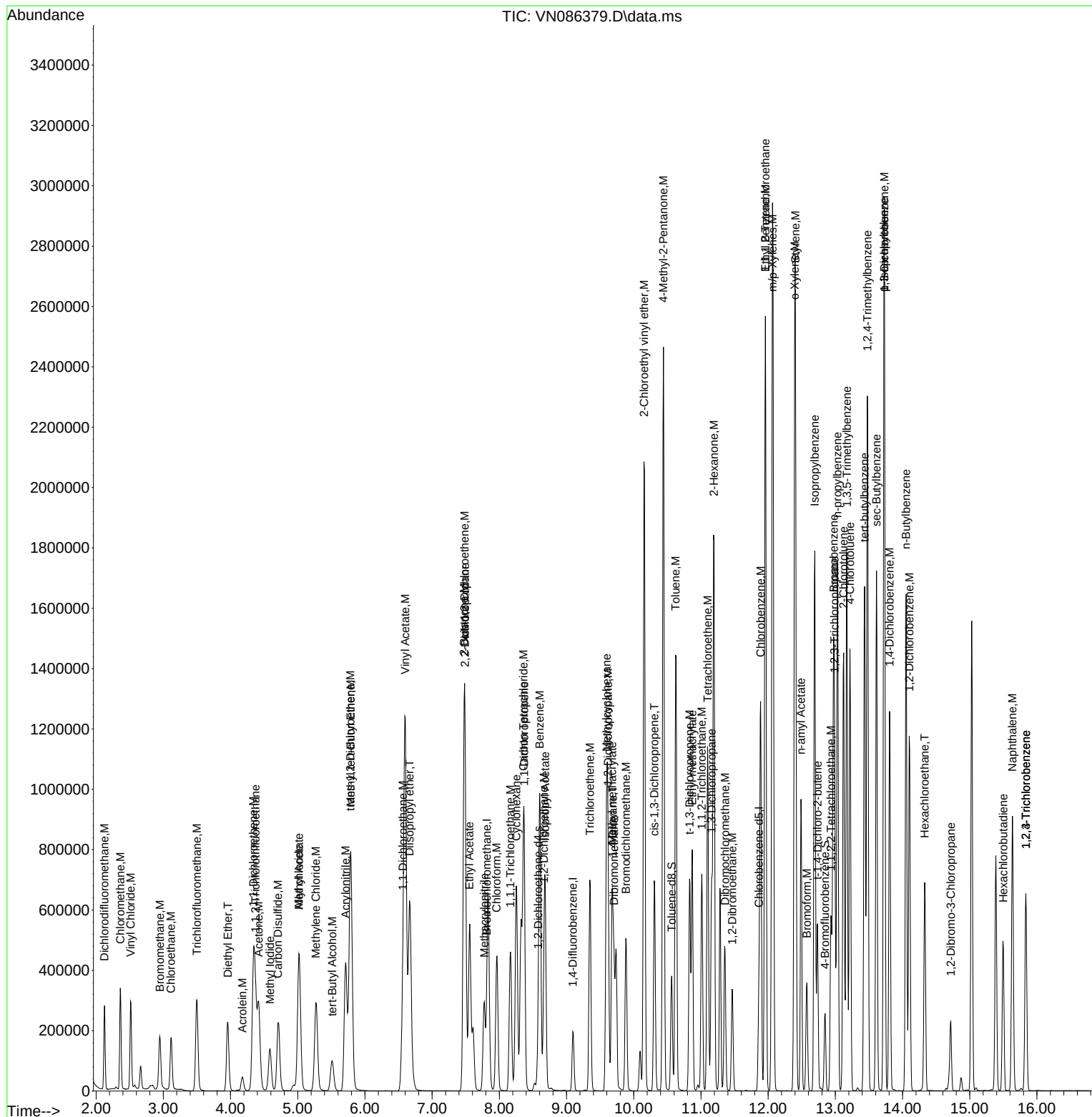
Quant Time: Apr 24 04:25:36 2025

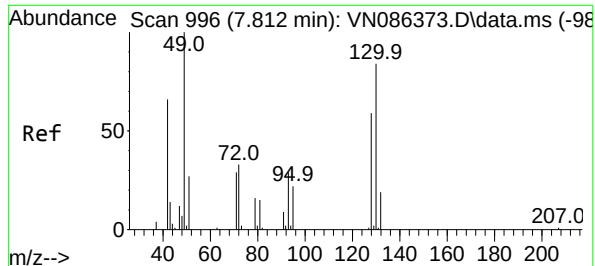
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Thu Apr 24 03:57:58 2025

Response via : Initial Calibration





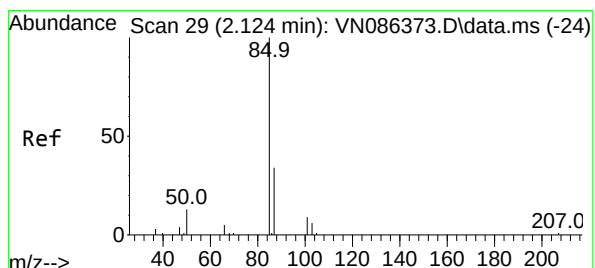
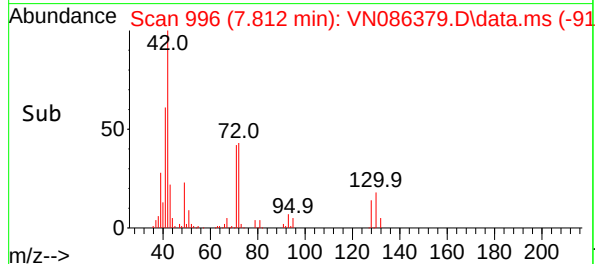
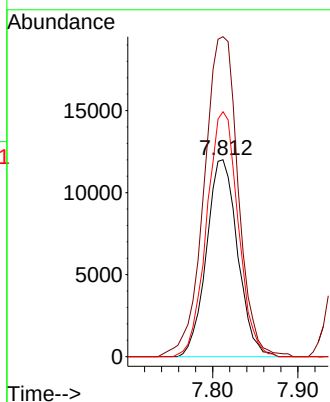
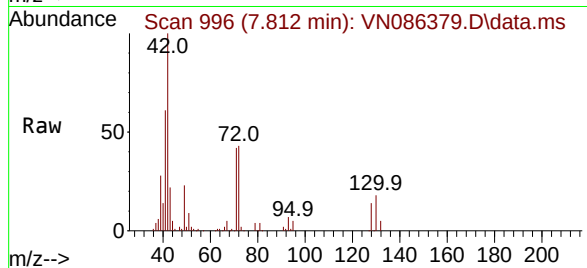
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
128	100		
49	178.3	0.0	433.8
130	126.1	0.0	325.0

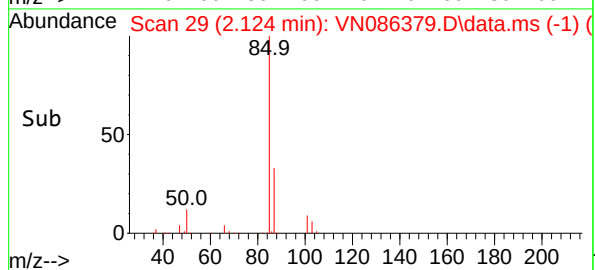
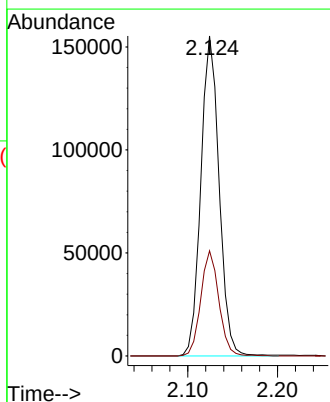
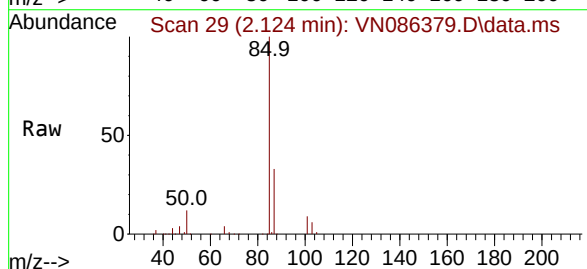
Manual Integrations
APPROVED

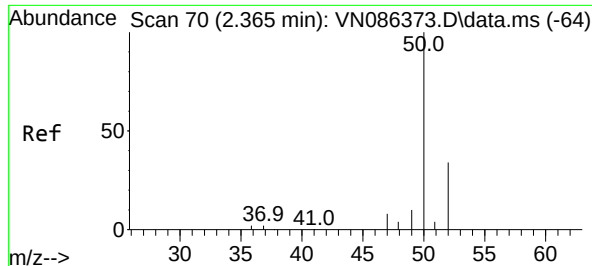
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#2
Dichlorodifluoromethane
Concen: 104.629 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	17.0	50.9





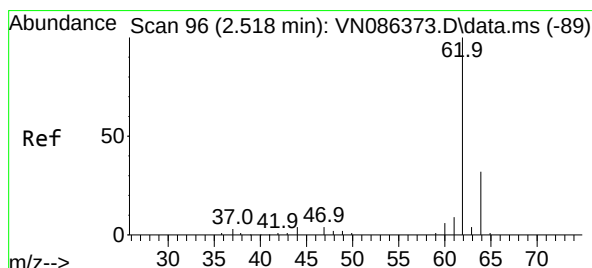
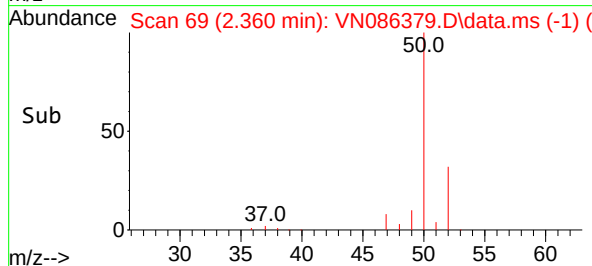
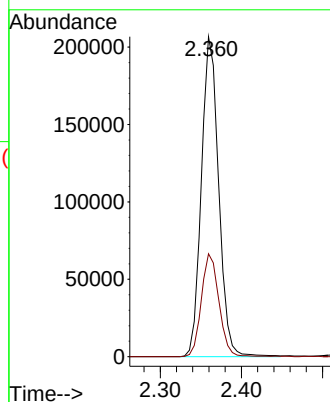
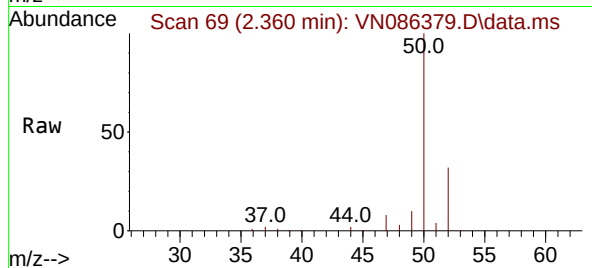
#3
Chloromethane
Concen: 102.601 ug/l
RT: 2.360 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 306073
Ion Ratio Lower Upper
50 100
52 32.2 27.3 40.9

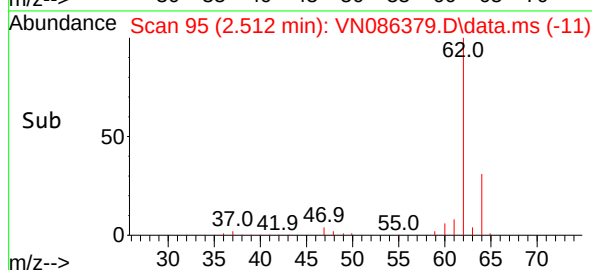
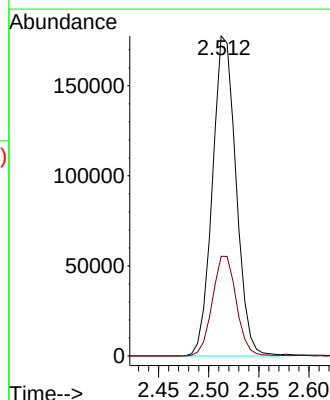
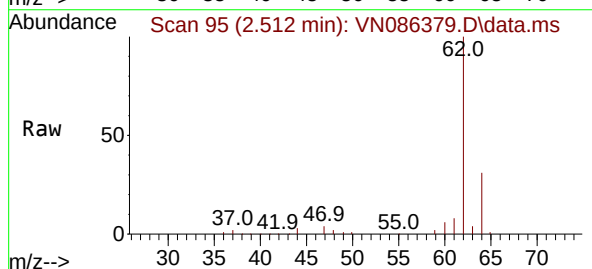
Manual Integrations
APPROVED

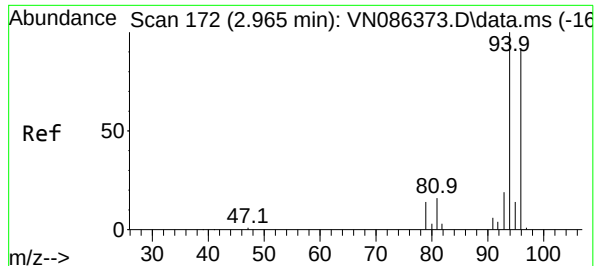
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#4
Vinyl Chloride
Concen: 102.063 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

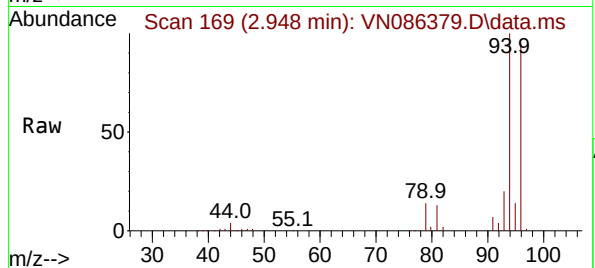
Tgt Ion: 62 Resp: 291612
Ion Ratio Lower Upper
62 100
64 31.2 25.8 38.8





#5
Bromomethane
Concen: 97.222 ug/l
RT: 2.948 min Scan# 1
Delta R.T. -0.017 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

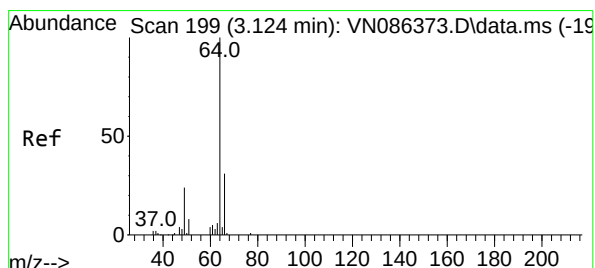
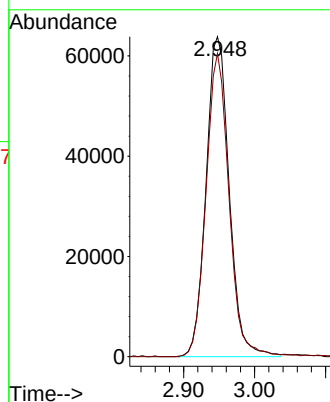
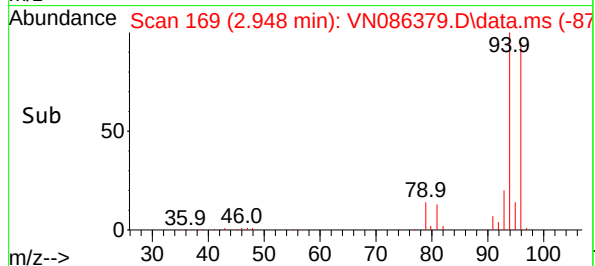
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 94 Resp: 145025
Ion Ratio Lower Upper
94 100
96 94.5 72.4 108.6

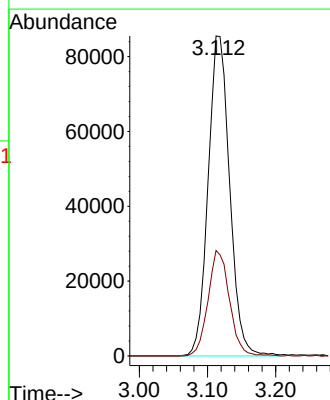
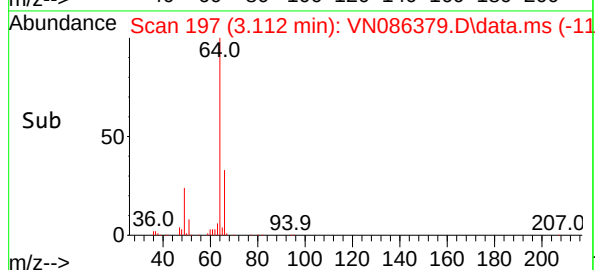
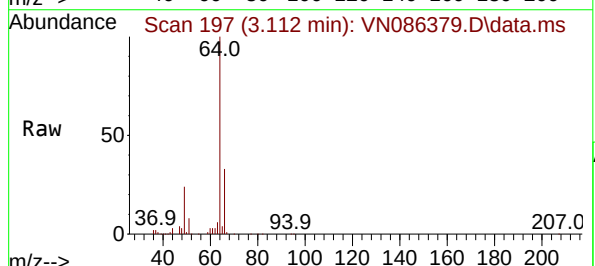
Manual Integrations
APPROVED

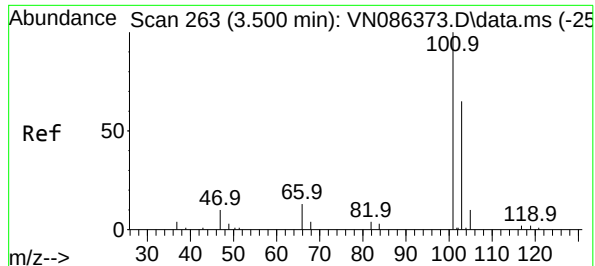
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#6
Chloroethane
Concen: 98.855 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

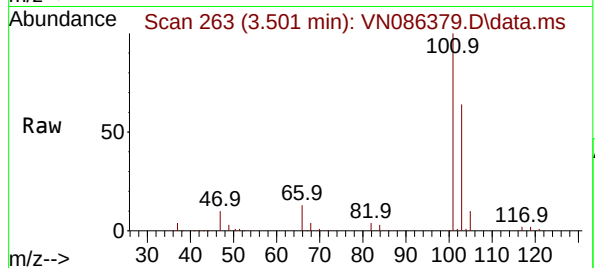
Tgt Ion: 64 Resp: 188295
Ion Ratio Lower Upper
64 100
66 32.9 24.5 36.7





#7
Trichlorofluoromethane
Concen: 100.661 ug/l
RT: 3.501 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

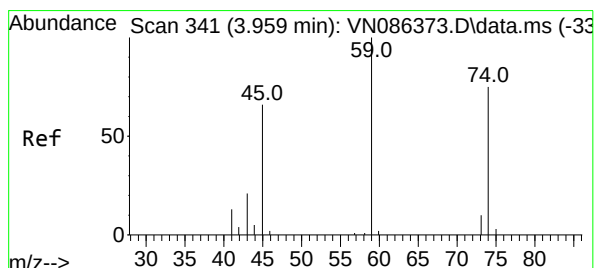
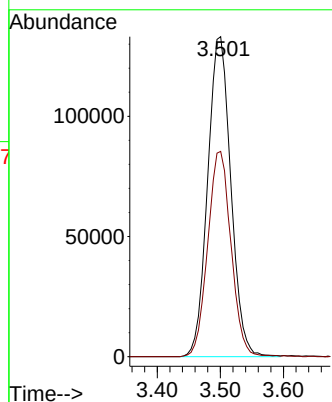
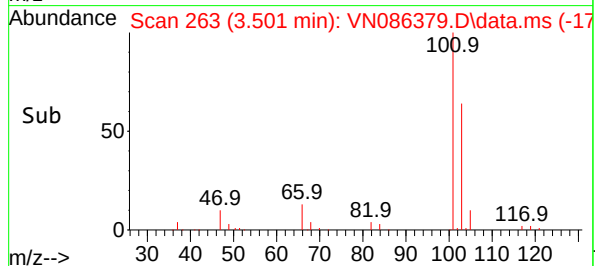
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 101 Resp: 33948
Ion Ratio Lower Upper
101 100
103 64.1 51.8 77.6

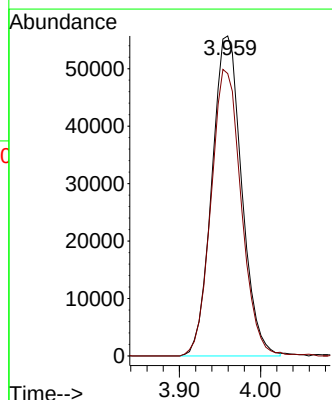
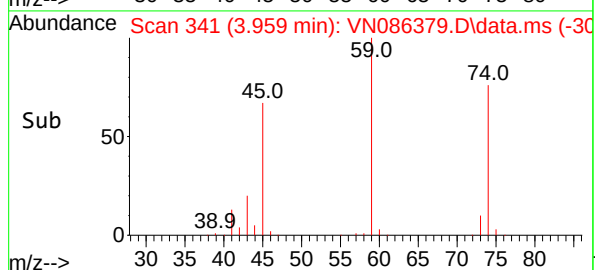
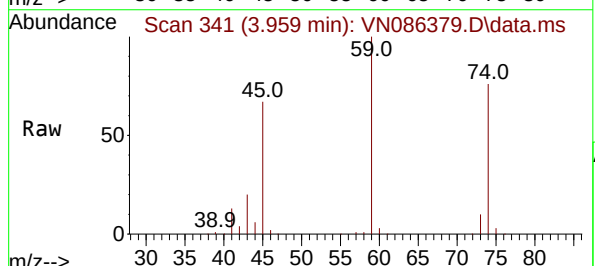
Manual Integrations
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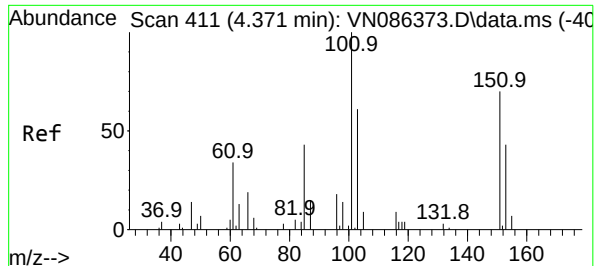
Reviewed By : John Carlone 04/24/2025
Supervised By : Mahesh Dadoda 04/25/2025



#8
Diethyl Ether
Concen: 99.994 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion: 74 Resp: 142350
Ion Ratio Lower Upper
74 100
45 90.5 18.5 166.3





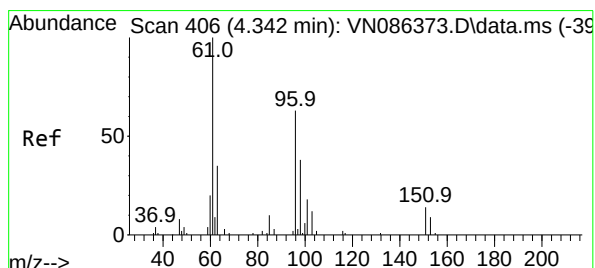
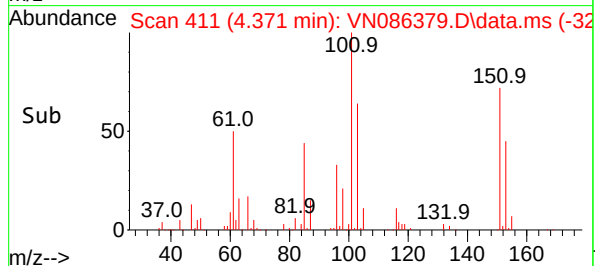
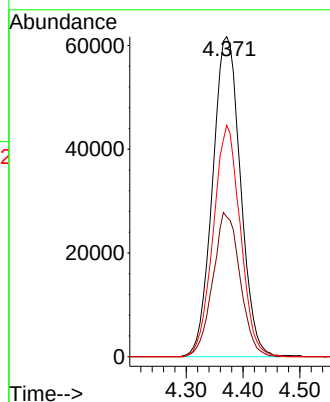
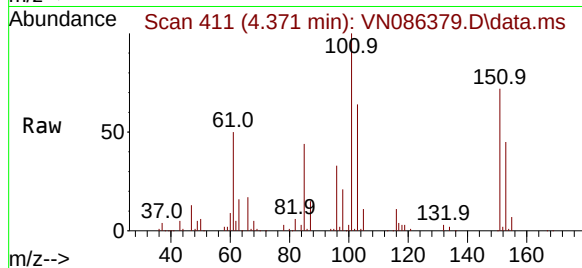
#9
1,1,2-Trichlorotrifluoroethane
Concen: 101.523 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:101 Resp: 21049
Ion Ratio Lower Upper
101 100
85 44.0 0.0 84.4
151 70.0 0.0 145.8

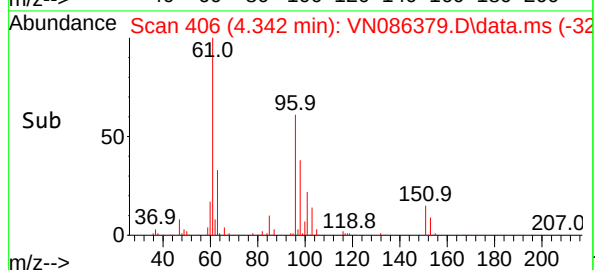
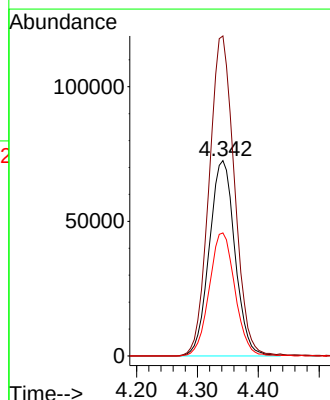
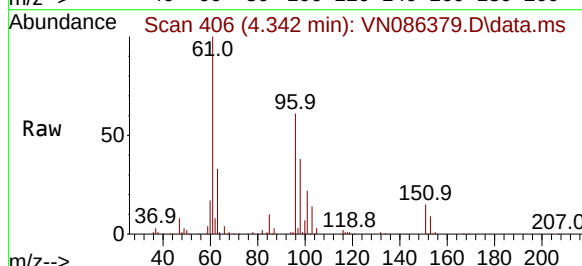
Manual Integrations
APPROVED

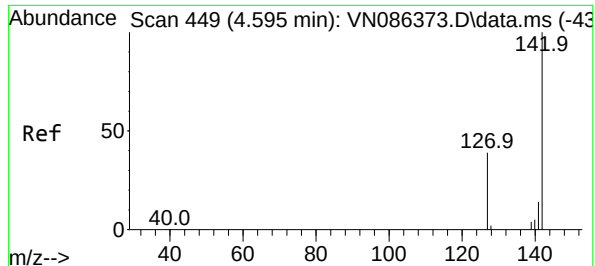
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#10
1,1-Dichloroethene
Concen: 100.169 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

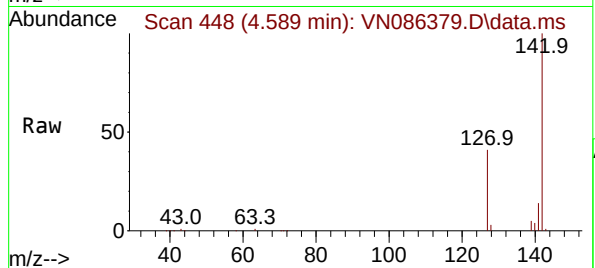
Tgt Ion: 96 Resp: 212572
Ion Ratio Lower Upper
96 100
61 163.5 126.2 189.4
98 62.9 48.5 72.7





#11
Methyl Iodide
Concen: 102.630 ug/l
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

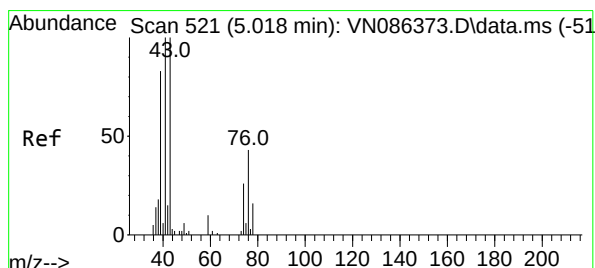
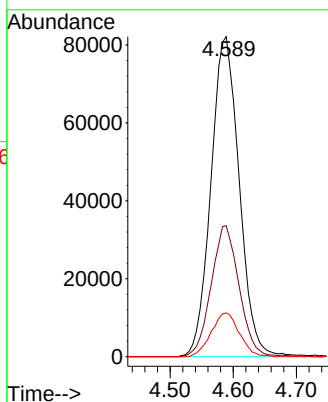
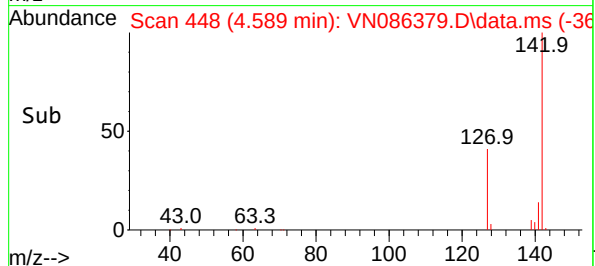
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:142 Resp: 254830
Ion Ratio Lower Upper
142 100
127 41.0 19.3 57.9
141 13.7 7.1 21.3

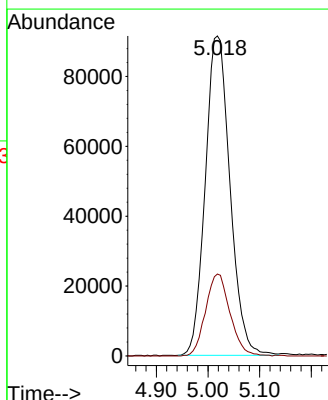
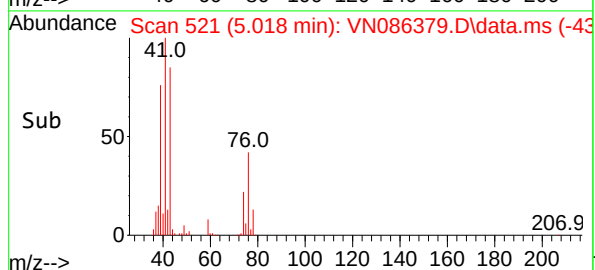
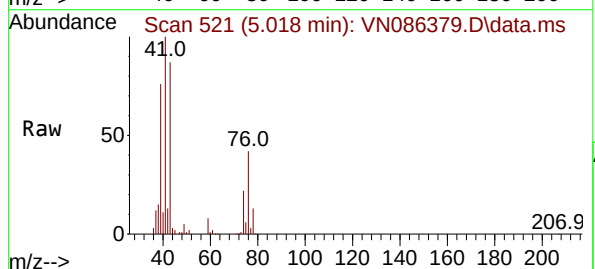
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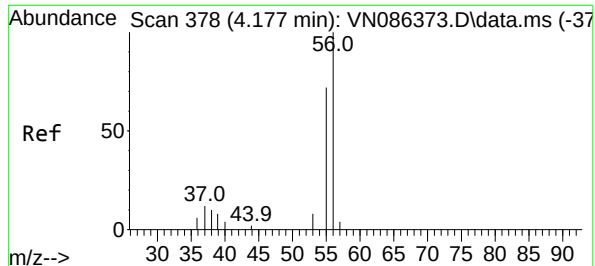
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#12
Methyl Acetate
Concen: 101.006 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion: 43 Resp: 303813
Ion Ratio Lower Upper
43 100
74 25.6 20.8 31.2





#13

Acrolein

Concen: 526.461 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 5977

Ion Ratio Lower Upper

56 100

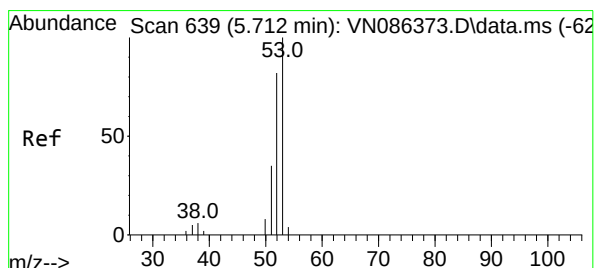
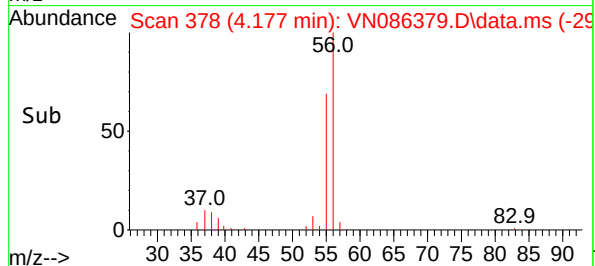
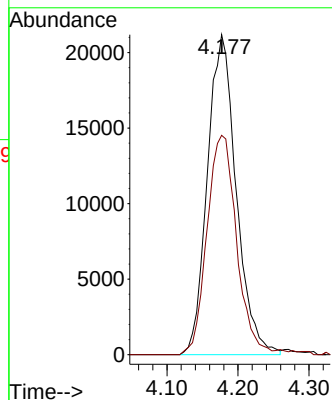
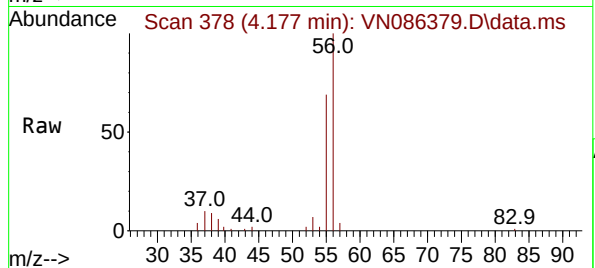
55 70.1 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#14

Acrylonitrile

Concen: 502.781 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

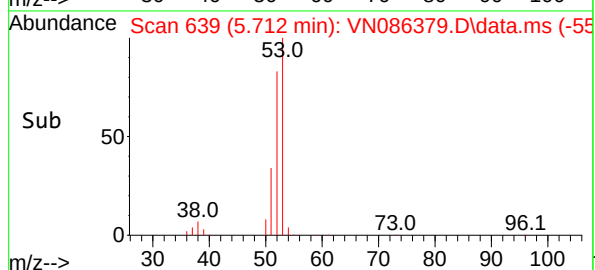
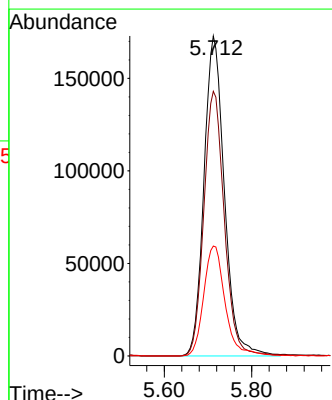
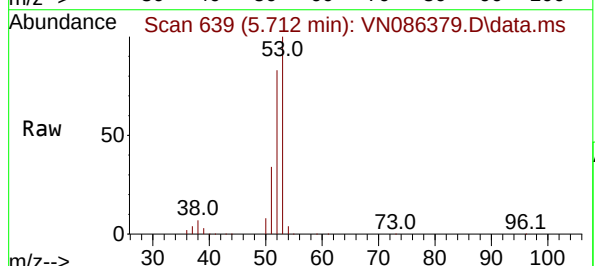
Tgt Ion: 53 Resp: 562850

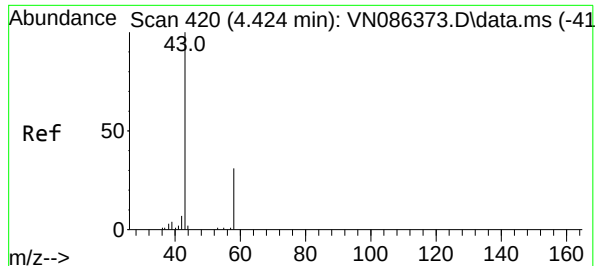
Ion Ratio Lower Upper

53 100

52 82.7 41.2 123.6

51 35.9 17.6 52.8





#15

Acetone

Concen: 505.531 ug/l

RT: 4.418 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 58 Resp: 155944

Ion Ratio Lower Upper

58 100

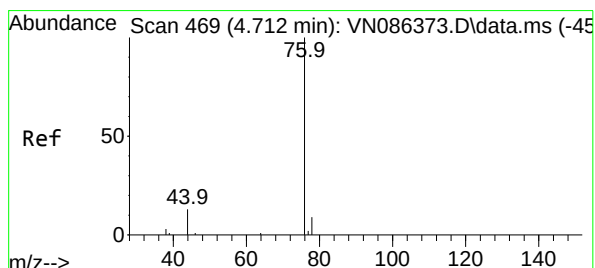
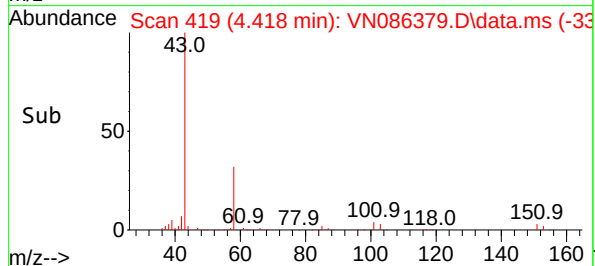
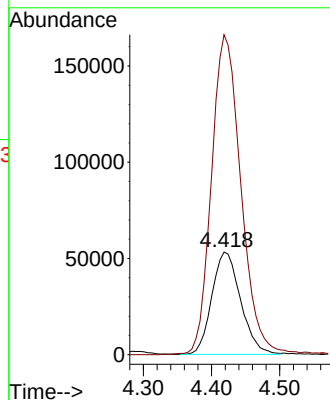
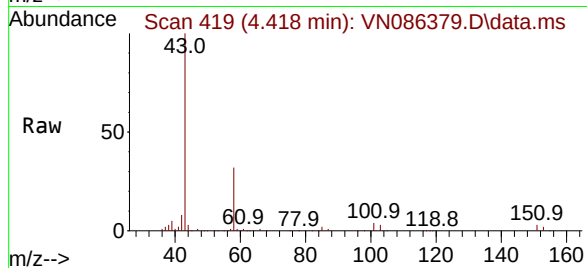
43 311.9 255.1 382.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#16

Carbon Disulfide

Concen: 95.765 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN086379.D

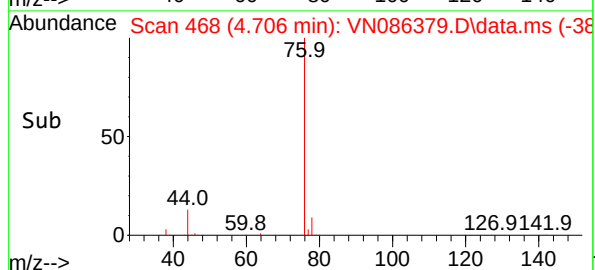
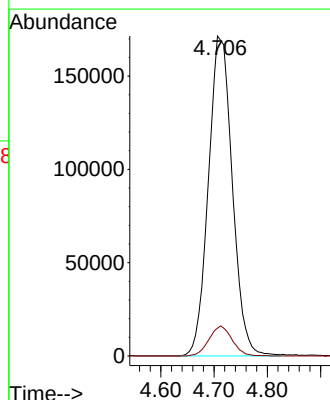
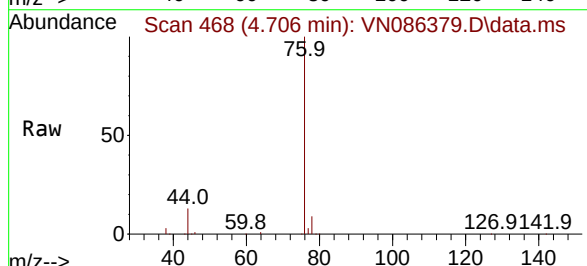
Acq: 23 Apr 2025 12:37

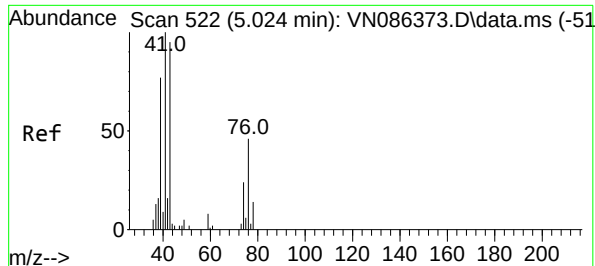
Tgt Ion: 76 Resp: 535511

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7





#17

Allyl chloride

Concen: 101.086 ug/l

RT: 5.018 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 34300

Ion Ratio Lower Upper

41 100

39 76.3 36.7 110.1

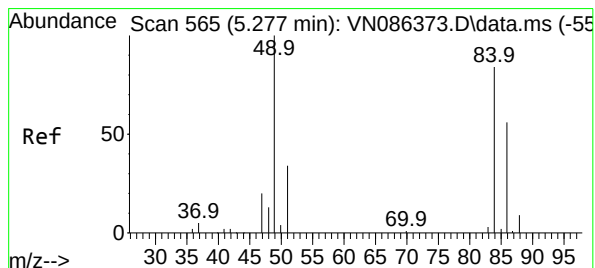
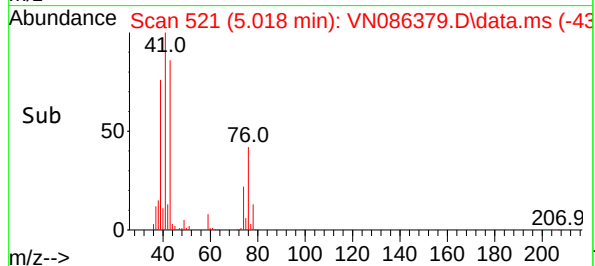
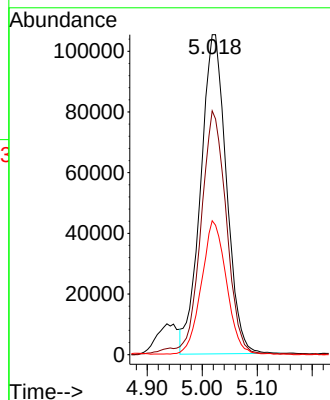
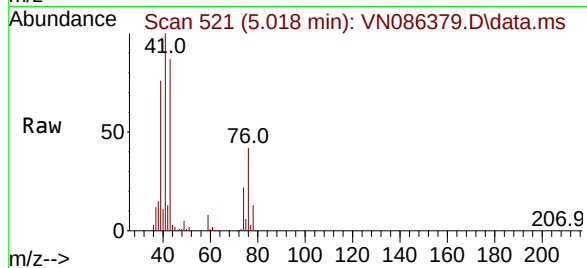
76 41.8 21.8 65.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#18

Methylene Chloride

Concen: 99.629 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Tgt Ion: 84 Resp: 240773

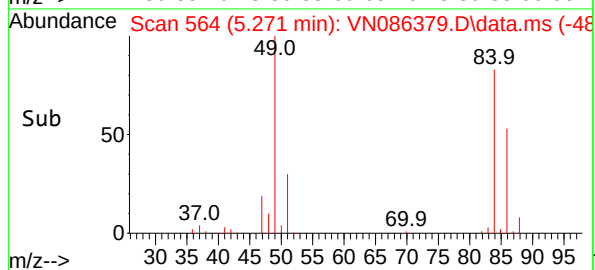
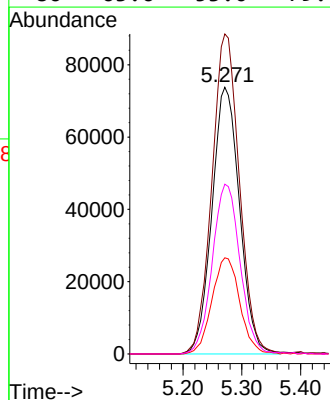
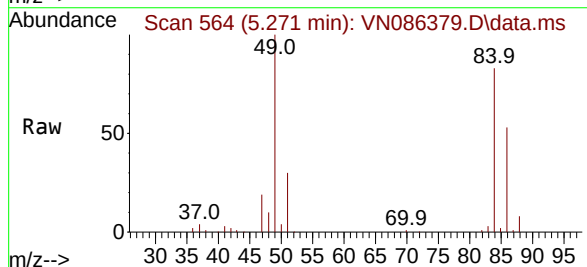
Ion Ratio Lower Upper

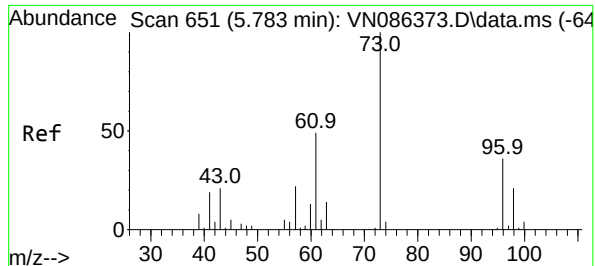
84 100

49 120.0 95.4 143.0

51 36.1 32.8 49.2

86 63.6 53.0 79.4





#19

trans-1,2-Dichloroethene

Concen: 99.843 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 22583

Ion Ratio Lower Upper

96 100

61 138.8 107.3 160.9

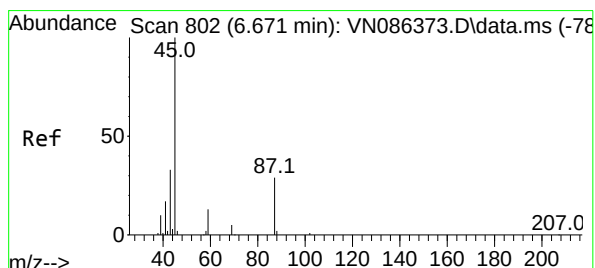
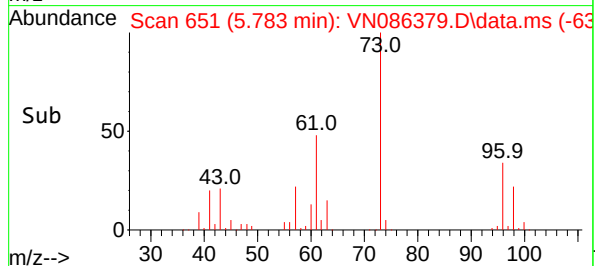
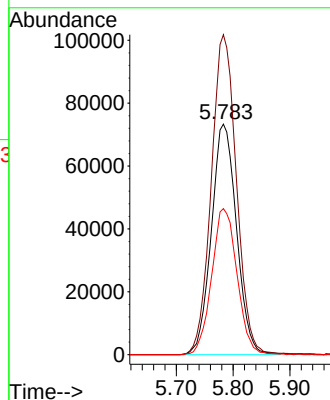
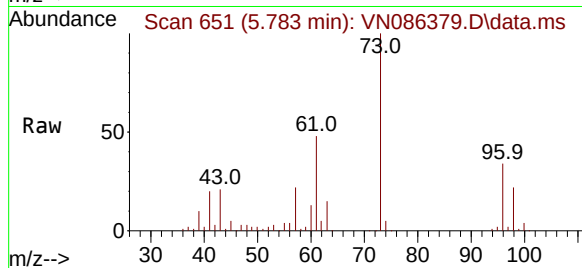
98 63.3 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#20

Diisopropyl ether

Concen: 102.594 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.006 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Tgt Ion: 45 Resp: 827730

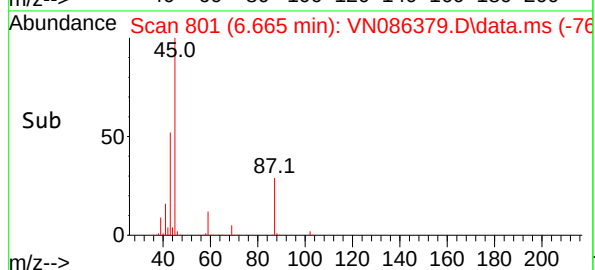
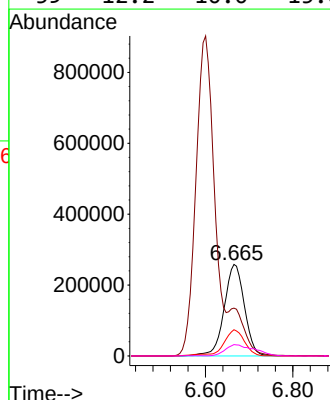
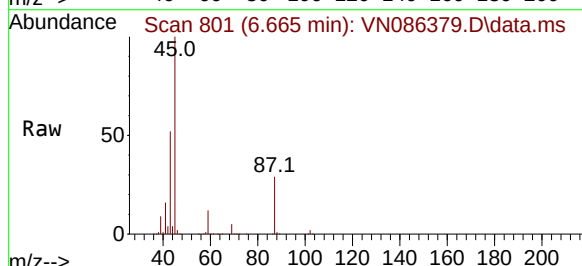
Ion Ratio Lower Upper

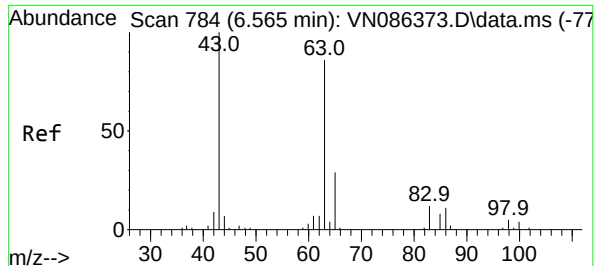
45 100

43 51.6 38.8 58.2

87 28.6 23.5 35.3

59 12.2 10.0 15.0





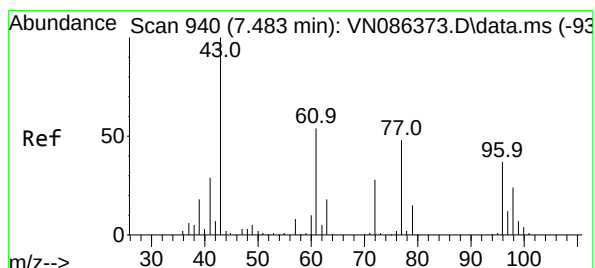
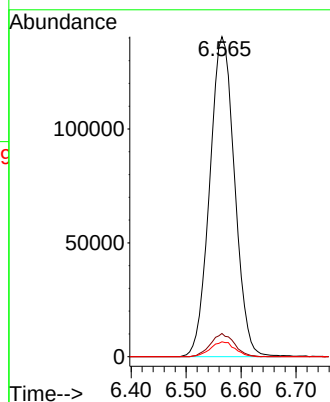
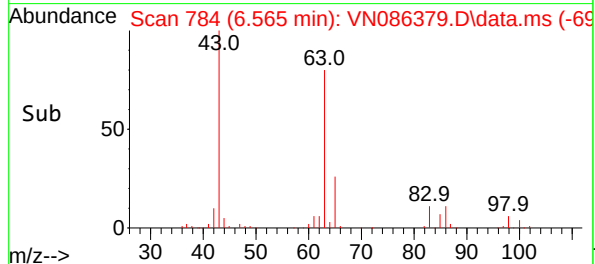
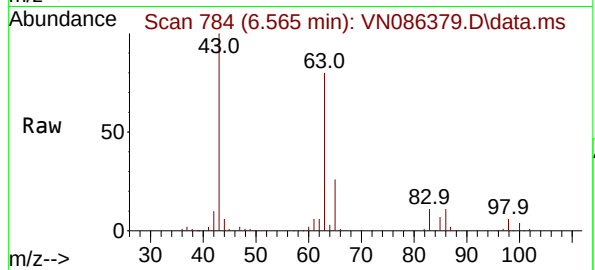
#21
1,1-Dichloroethane
Concen: 100.277 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 442858
Ion Ratio Lower Upper
63 100
98 7.3 3.0 9.2
100 4.7 2.3 6.8

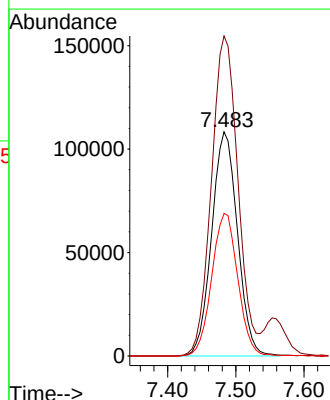
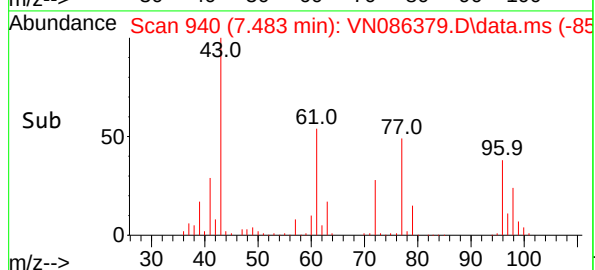
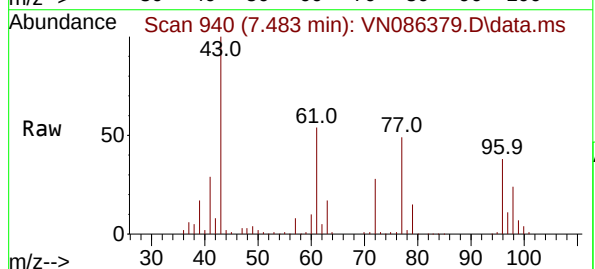
Manual Integrations
APPROVED

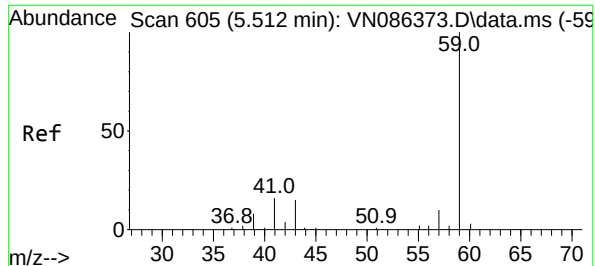
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#22
cis-1,2-Dichloroethene
Concen: 101.049 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

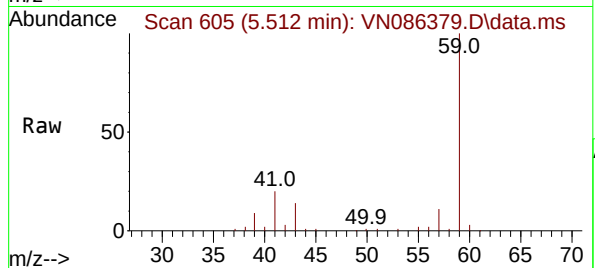
Tgt Ion: 96 Resp: 285798
Ion Ratio Lower Upper
96 100
61 147.2 120.6 181.0
98 64.2 51.8 77.6





#23
tert-Butyl Alcohol
Concen: 468.185 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

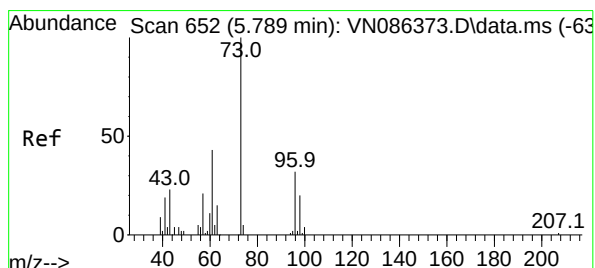
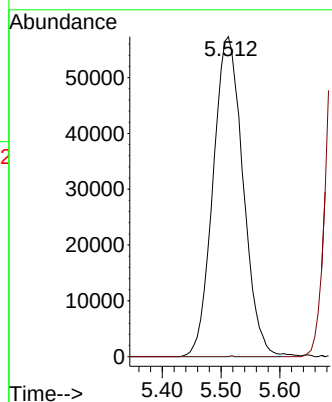
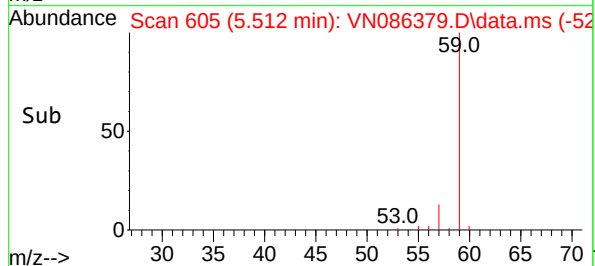
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 59 Resp: 203030
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

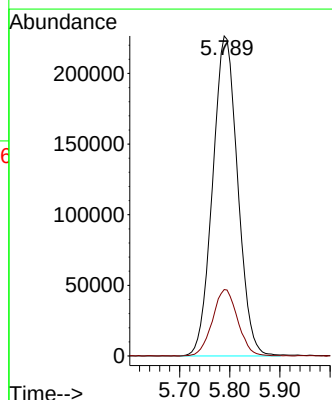
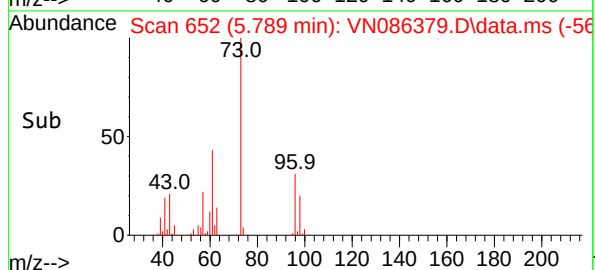
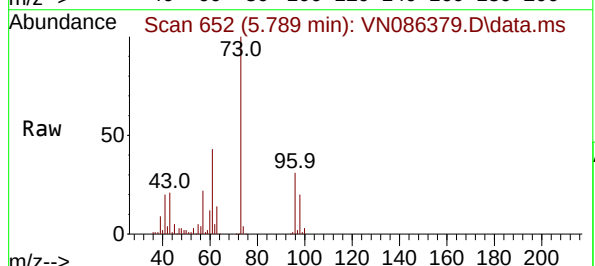
Manual Integrations
APPROVED

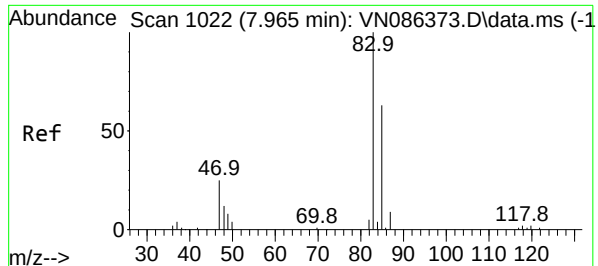
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#24
Methyl tert-Butyl Ether
Concen: 100.365 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion: 73 Resp: 786920
Ion Ratio Lower Upper
73 100
43 20.9 17.1 25.7





#25

Chloroform

Concen: 99.497 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 444712

Ion Ratio Lower Upper

83 100

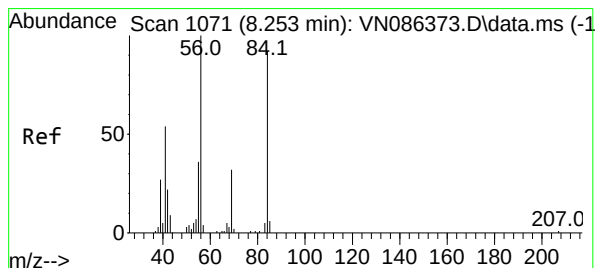
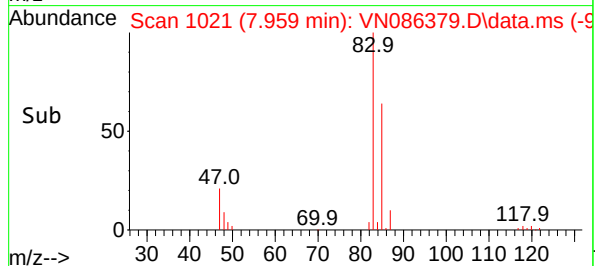
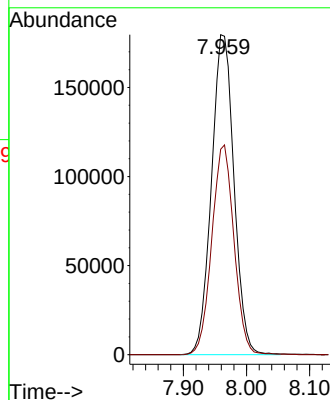
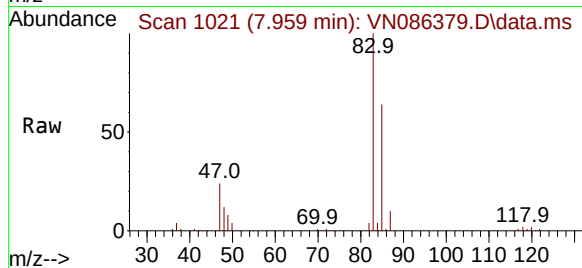
85 64.2 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#26

Cyclohexane

Concen: 99.536 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

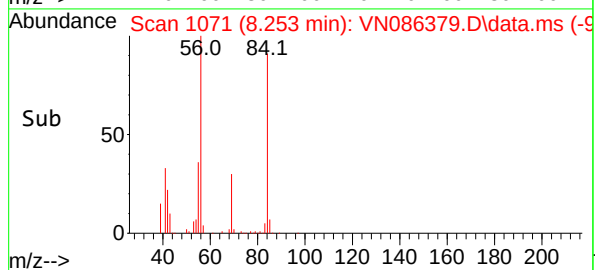
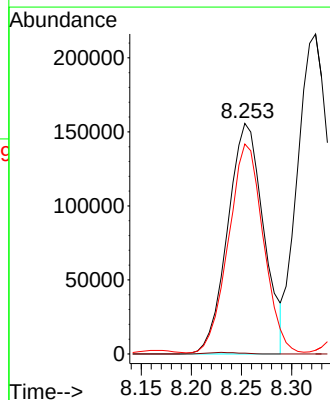
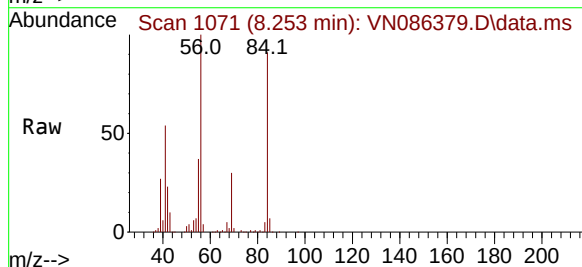
Tgt Ion: 56 Resp: 388134

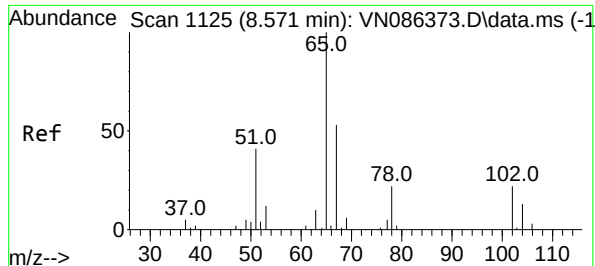
Ion Ratio Lower Upper

56 100

89 0.6 0.0 0.0#

84 89.1 71.5 107.3





#27

1,2-Dichloroethane-d4

Concen: 28.668 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 84070

Ion Ratio Lower Upper

65 100

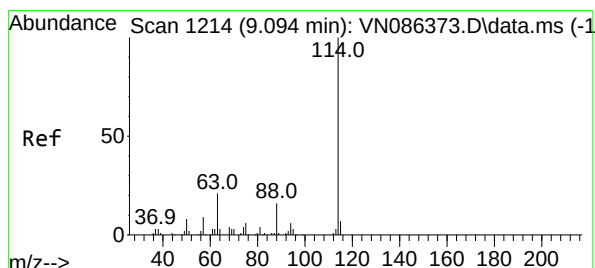
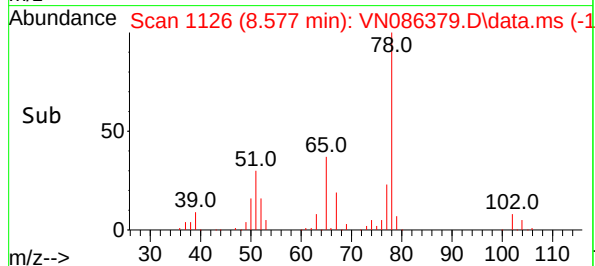
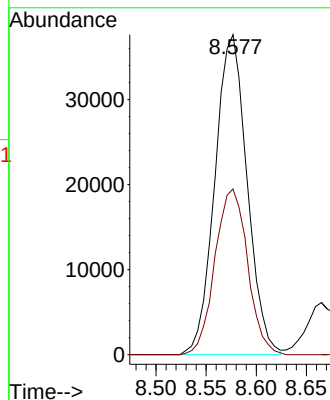
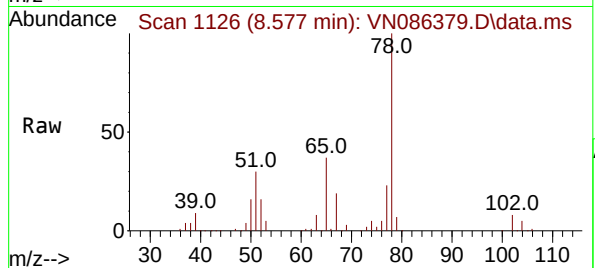
67 52.4 42.5 63.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

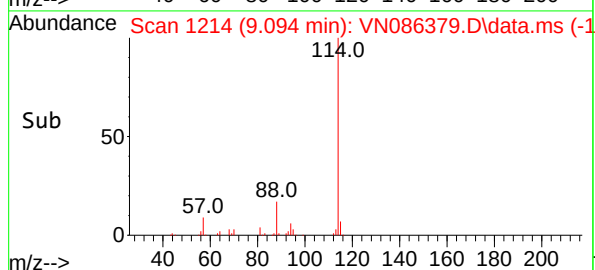
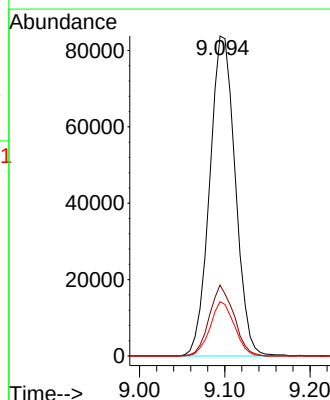
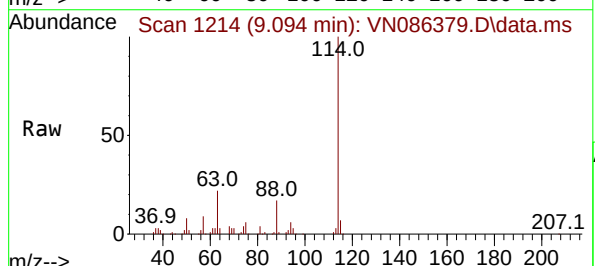
Tgt Ion:114 Resp: 174699

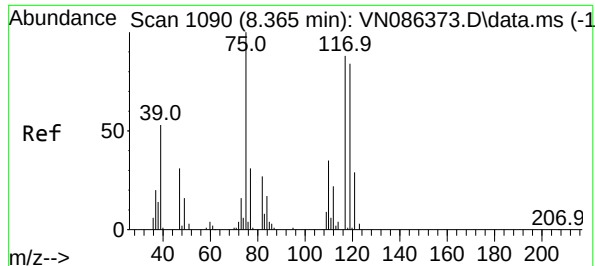
Ion Ratio Lower Upper

114 100

63 21.2 16.7 25.1

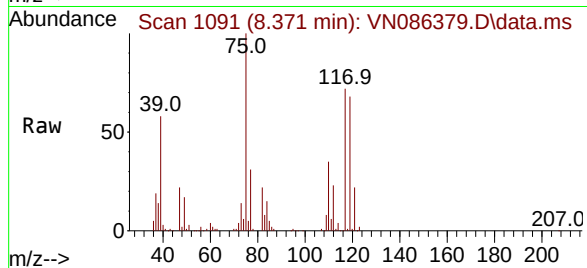
88 16.0 12.6 19.0





#29
1,1-Dichloropropene
Concen: 105.170 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

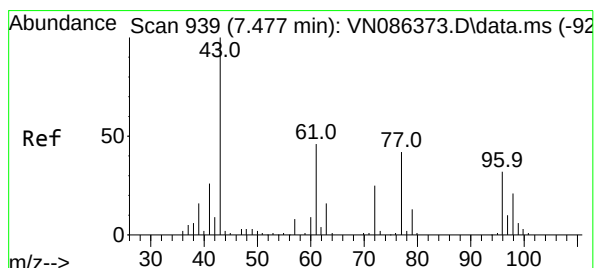
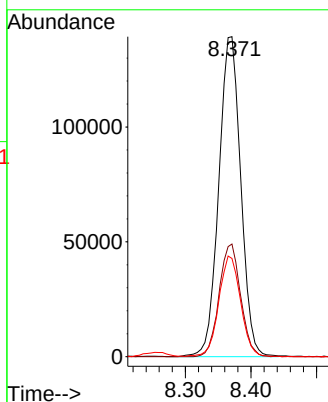
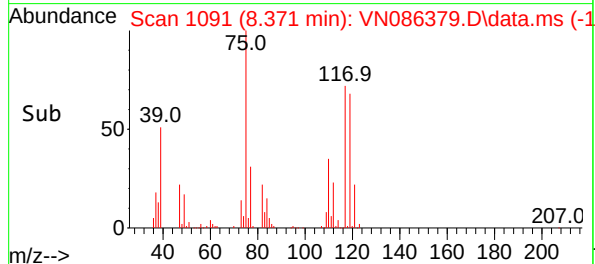
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 32390
Ion Ratio Lower Upper
75 100
110 34.4 0.0 68.0
77 31.1 0.0 61.4

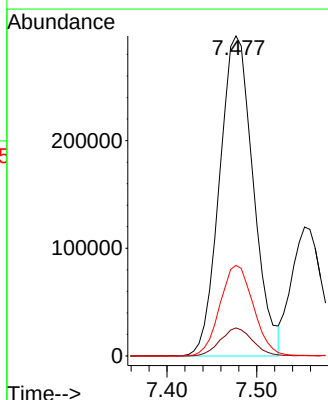
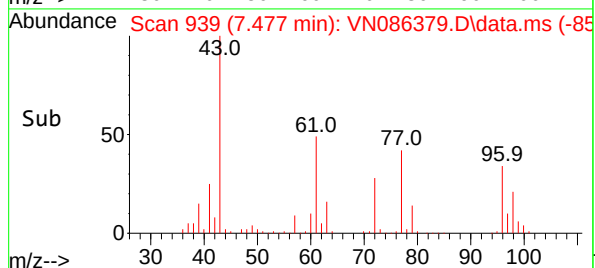
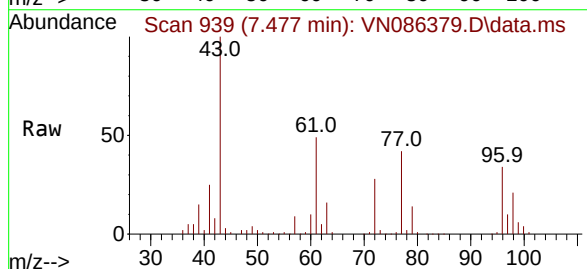
Manual Integrations
APPROVED

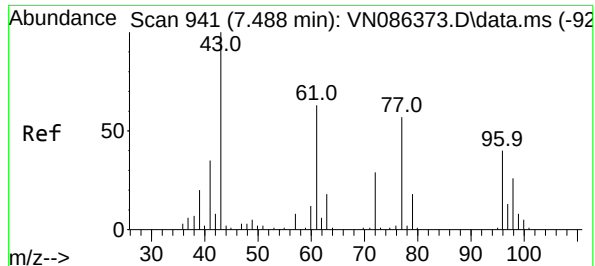
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#30
2-Butanone
Concen: 520.201 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion: 43 Resp: 777621
Ion Ratio Lower Upper
43 100
57 8.4 6.6 10.0
72 28.0 22.2 33.4





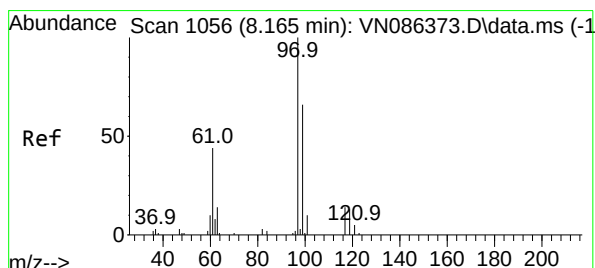
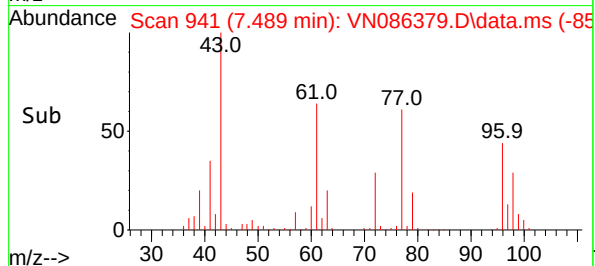
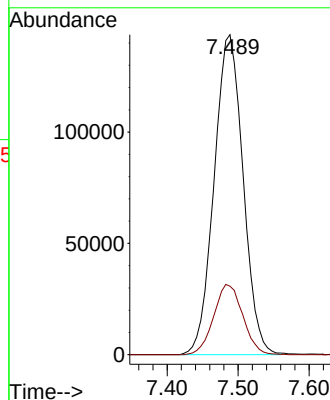
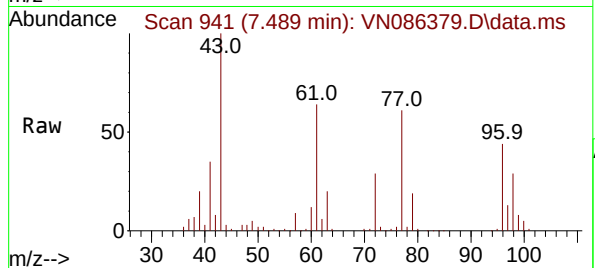
#31
2,2-Dichloropropane
Concen: 102.887 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 77 Resp: 407332
Ion Ratio Lower Upper
77 100
97 22.0 18.2 27.2

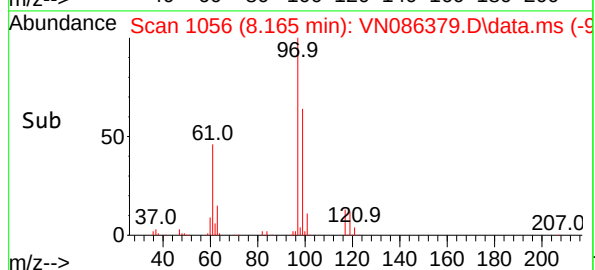
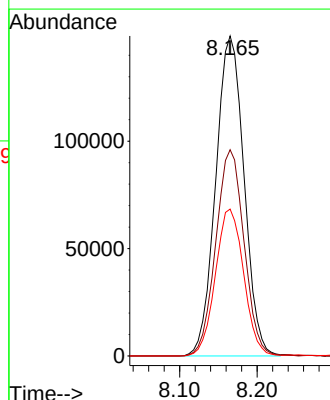
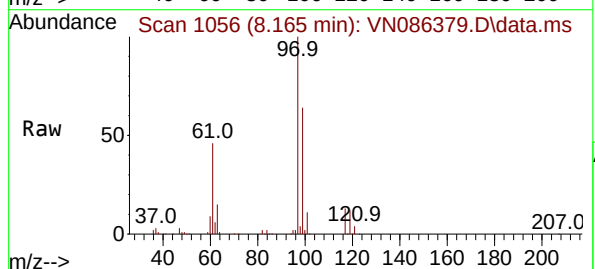
Manual Integrations
APPROVED

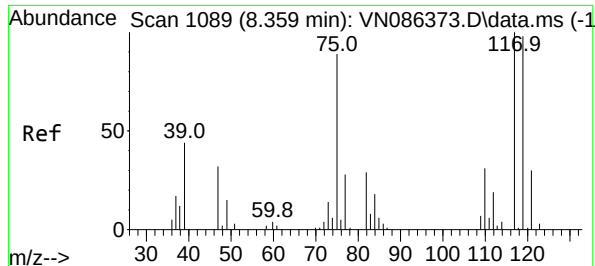
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#32
1,1,1-Trichloroethane
Concen: 102.945 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

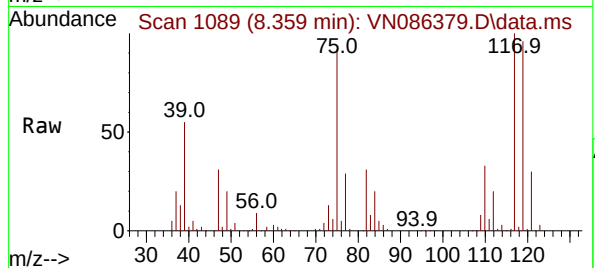
Tgt Ion: 97 Resp: 378868
Ion Ratio Lower Upper
97 100
99 64.3 52.6 79.0
61 45.8 36.4 54.6





#33
Carbon Tetrachloride
Concen: 104.076 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

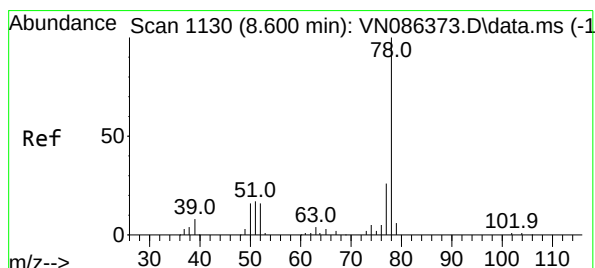
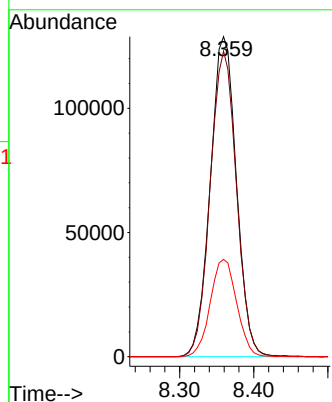
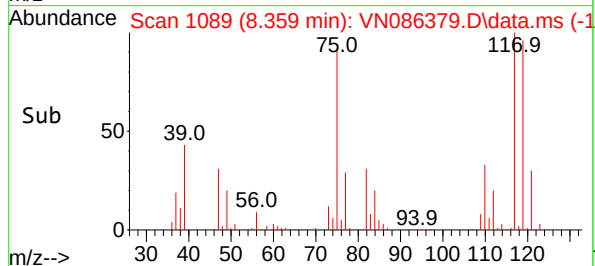
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 117 Resp: 31531
Ion Ratio Lower Upper
117 100
119 95.3 78.6 117.8
121 30.4 24.0 36.0

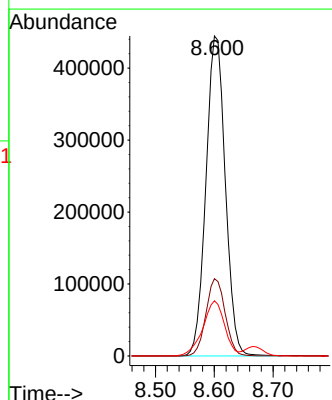
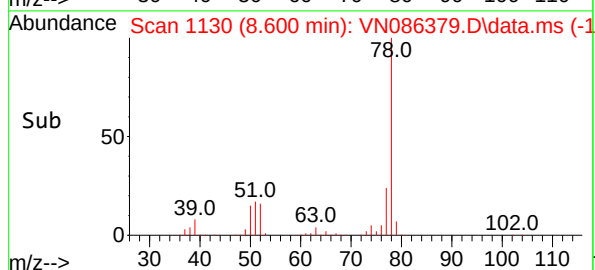
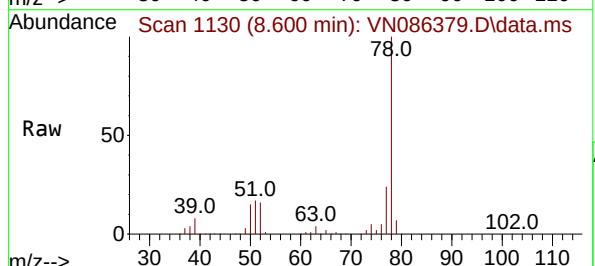
Manual Integrations
APPROVED

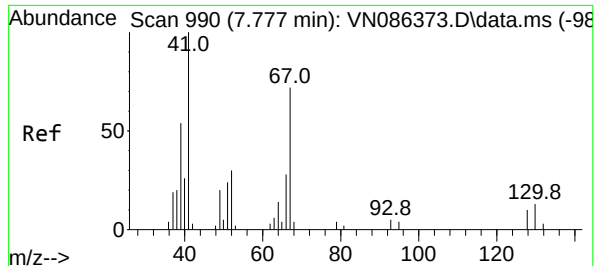
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#34
Benzene
Concen: 103.912 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion: 78 Resp: 1017889
Ion Ratio Lower Upper
78 100
77 24.1 20.8 31.2
51 17.2 14.0 21.0





#35

Methacrylonitrile

Concen: 103.381 ug/l

RT: 7.777 min Scan# 990

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 17628

Ion Ratio Lower Upper

41 100

39 53.5 27.0 80.8

67 73.9 35.8 107.3

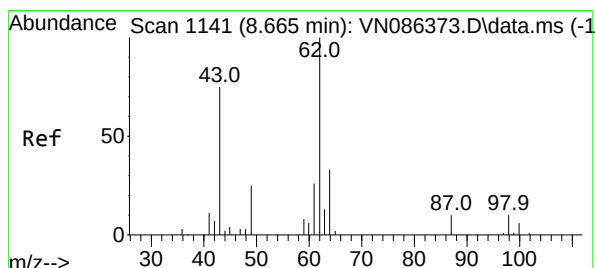
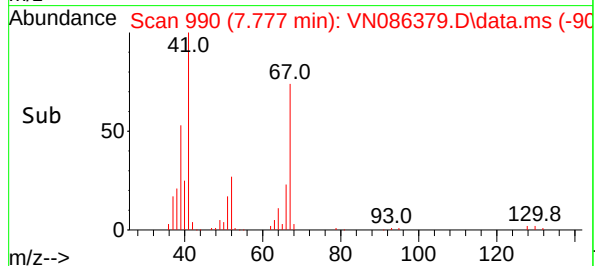
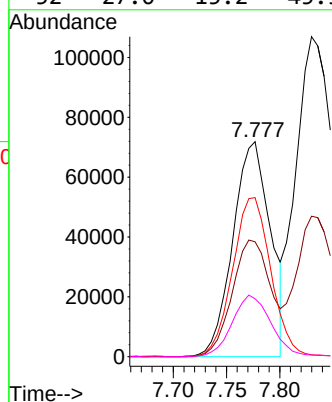
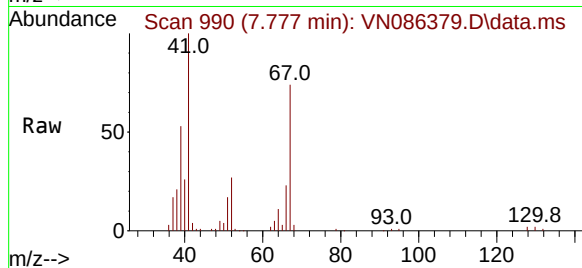
52 27.0 15.2 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#36

1,2-Dichloroethane

Concen: 103.769 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VN086379.D

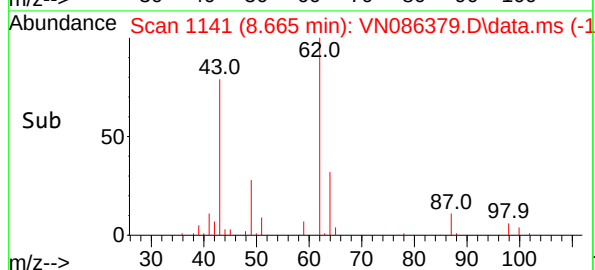
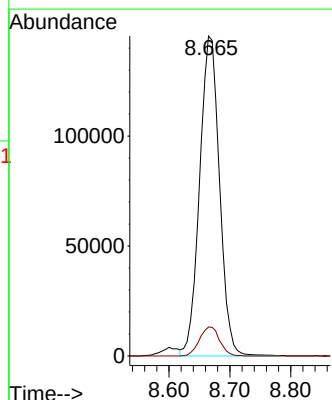
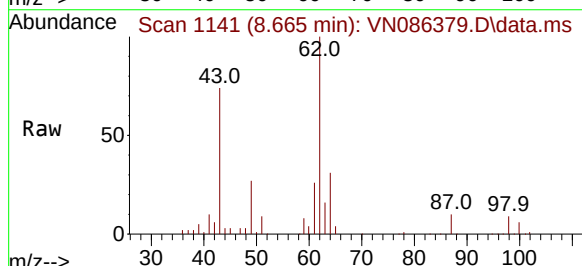
Acq: 23 Apr 2025 12:37

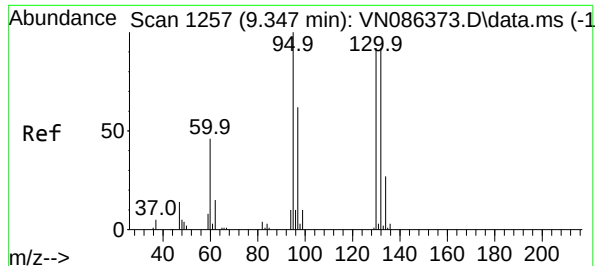
Tgt Ion: 62 Resp: 330021

Ion Ratio Lower Upper

62 100

98 9.2 7.6 11.4





#37

Trichloroethene

Concen: 104.441 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:130 Resp: 25611

Ion Ratio Lower Upper

130 100

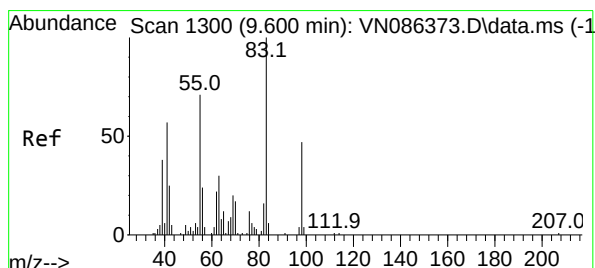
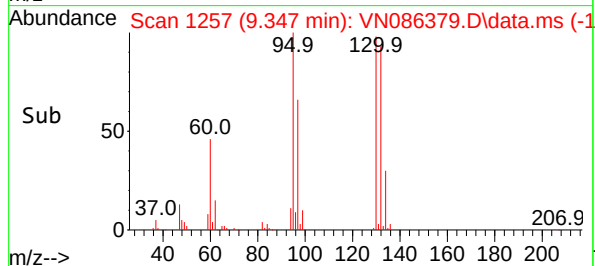
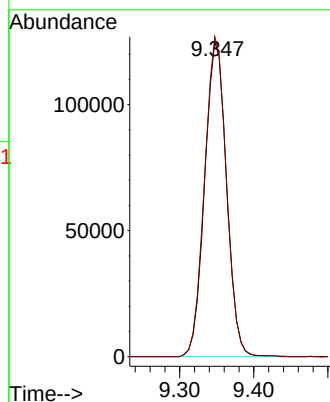
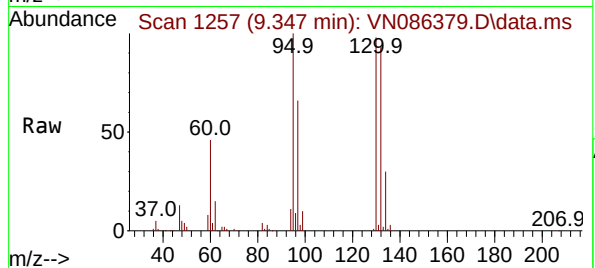
95 101.7 86.6 130.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#38

Methylcyclohexane

Concen: 105.322 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

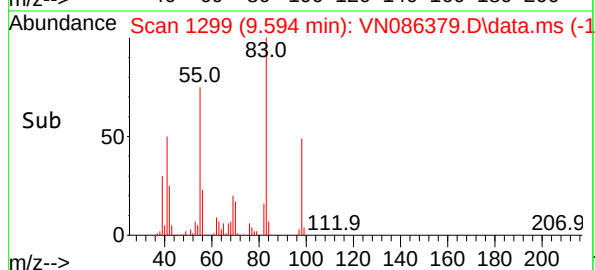
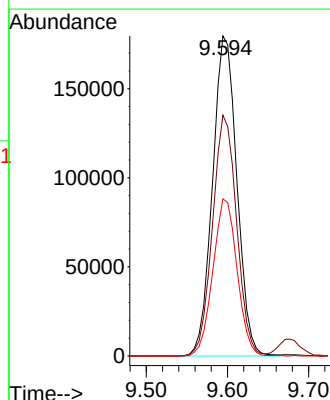
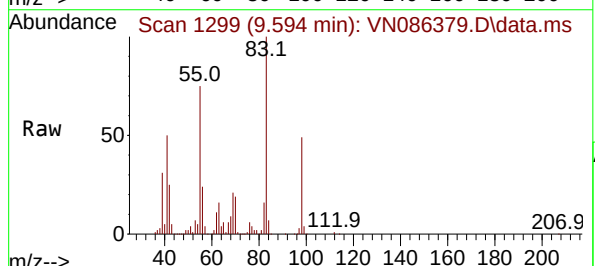
Tgt Ion: 83 Resp: 374627

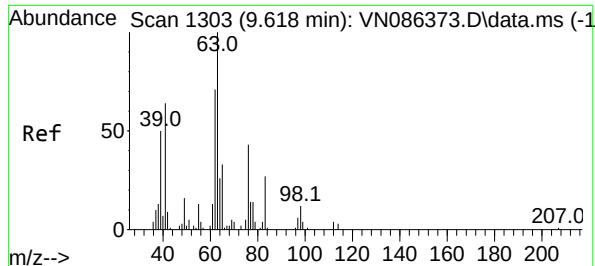
Ion Ratio Lower Upper

83 100

55 74.4 37.3 111.9

98 48.7 23.8 71.5





#39

1,2-Dichloropropane

Concen: 102.652 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 24841

Ion Ratio Lower Upper

63 100

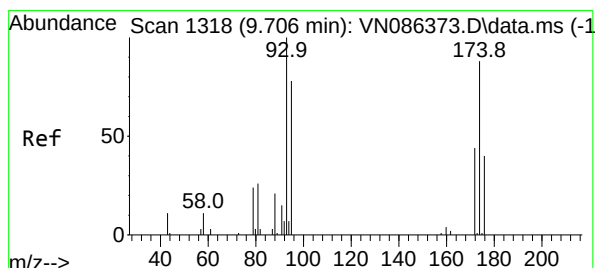
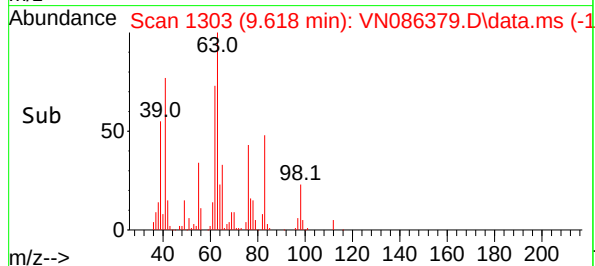
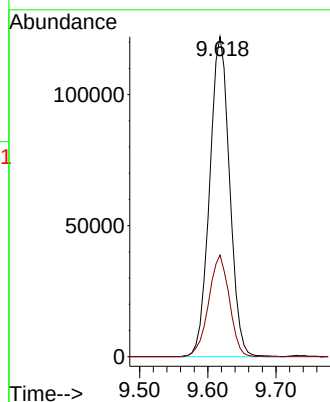
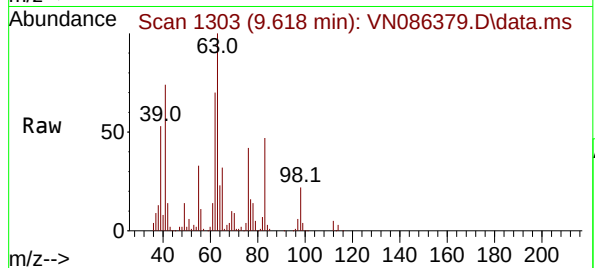
65 31.7 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#40

Dibromomethane

Concen: 102.469 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

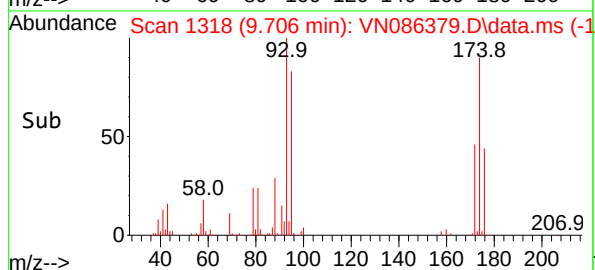
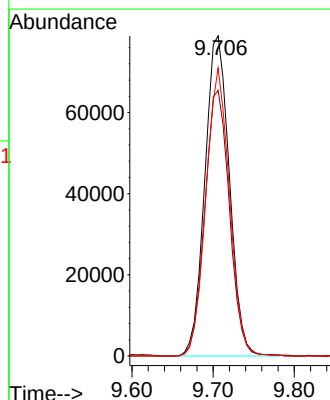
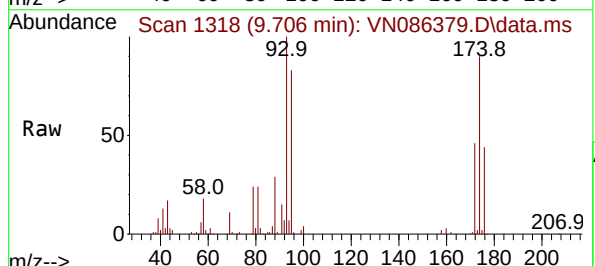
Tgt Ion: 93 Resp: 165831

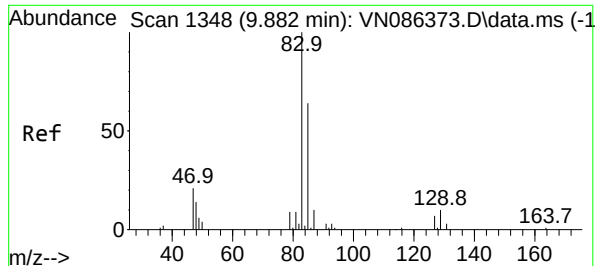
Ion Ratio Lower Upper

93 100

95 83.2 0.0 159.2

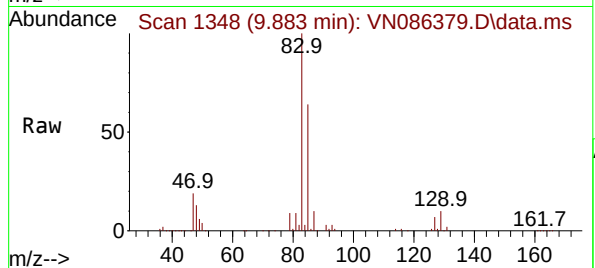
174 86.5 0.0 171.4





#41
Bromodichloromethane
Concen: 104.030 ug/l
RT: 9.883 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

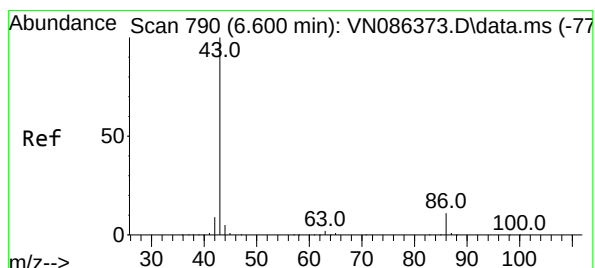
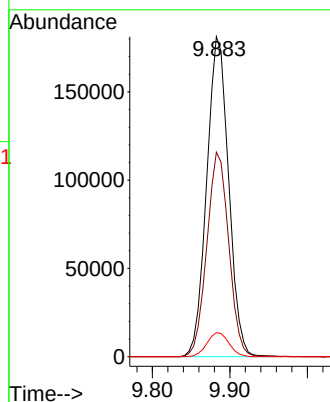
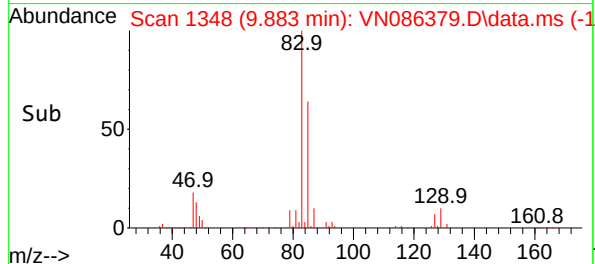
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 83 Resp: 356279
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7
127 7.5 5.9 8.9

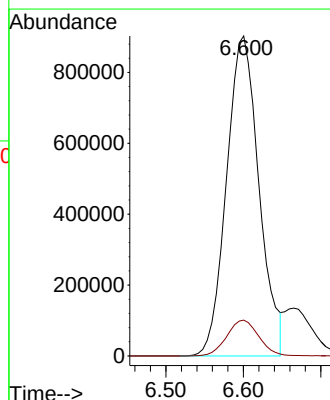
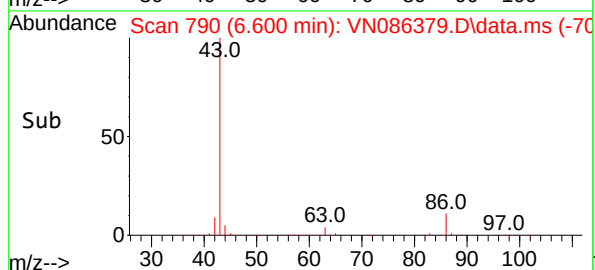
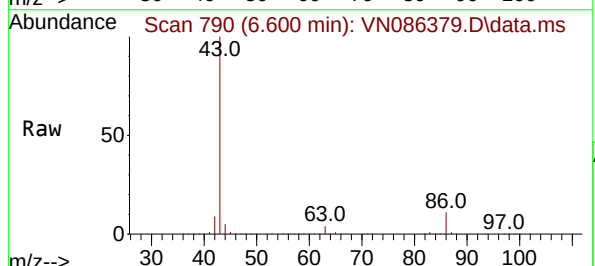
Manual Integrations
APPROVED

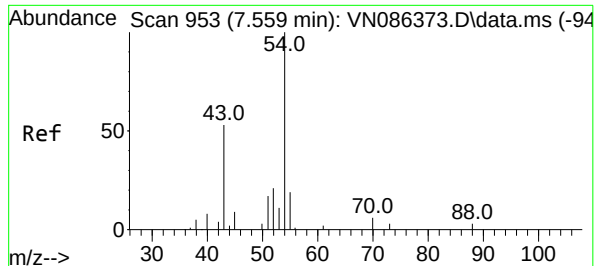
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#42
Vinyl Acetate
Concen: 508.753 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion: 43 Resp: 2634471
Ion Ratio Lower Upper
43 100
86 11.1 8.9 13.3





#43

Ethyl Acetate

Concen: 100.306 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 296729

Ion Ratio Lower Upper

43 100

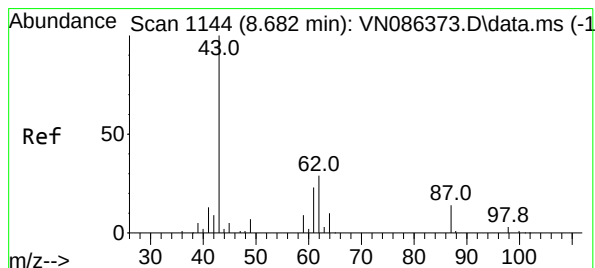
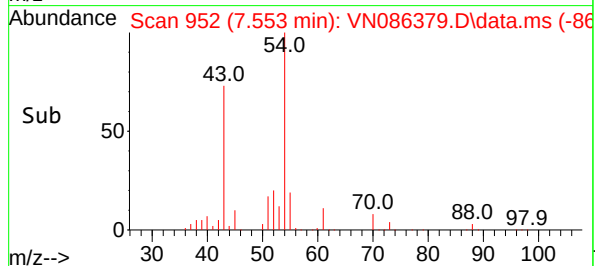
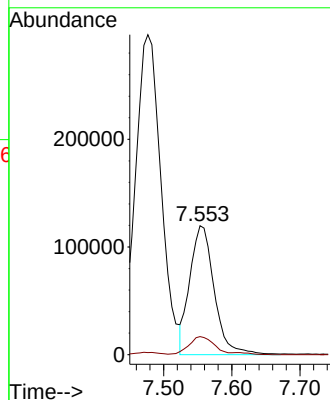
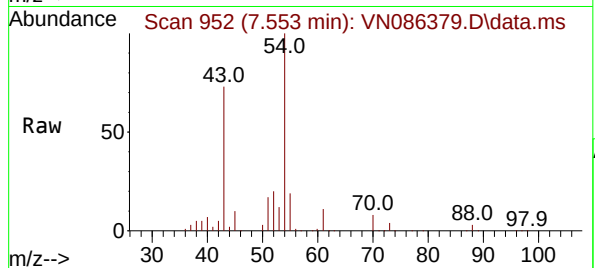
45 13.5 11.4 17.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#44

Isopropyl Acetate

Concen: 100.309 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN086379.D

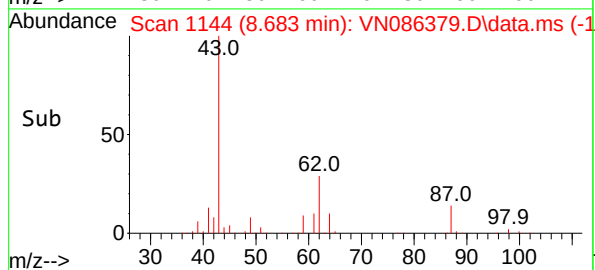
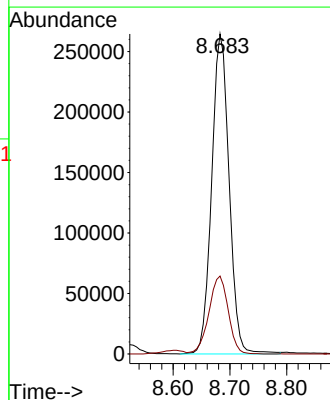
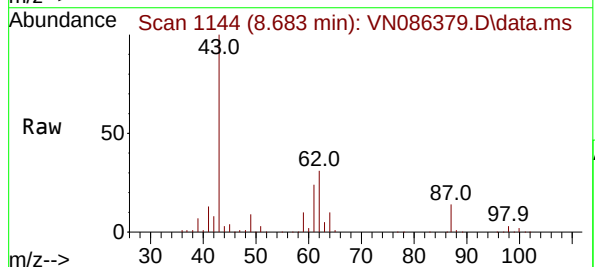
Acq: 23 Apr 2025 12:37

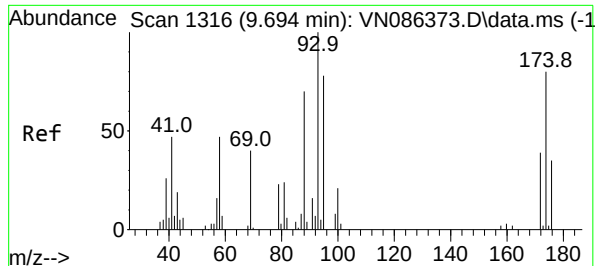
Tgt Ion: 43 Resp: 563189

Ion Ratio Lower Upper

43 100

61 26.9 21.0 31.4





#45

1,4-Dioxane

Concen: 2033.531 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 8908

Ion Ratio Lower Upper

88 100

43 27.6 24.9 37.3

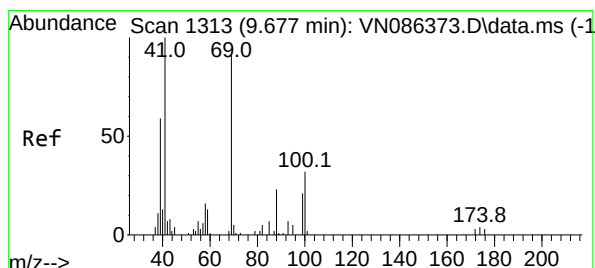
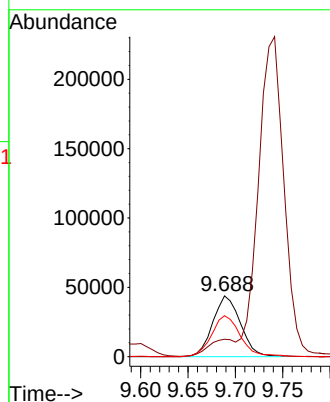
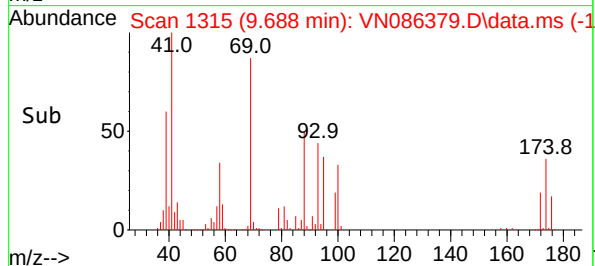
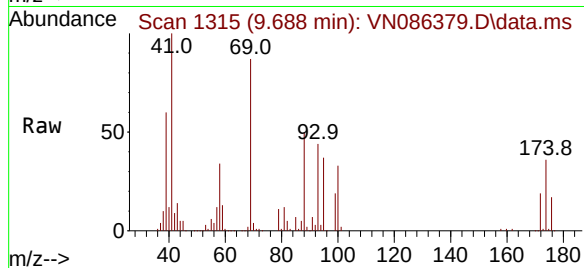
58 70.6 57.8 86.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#46

Methyl methacrylate

Concen: 103.033 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

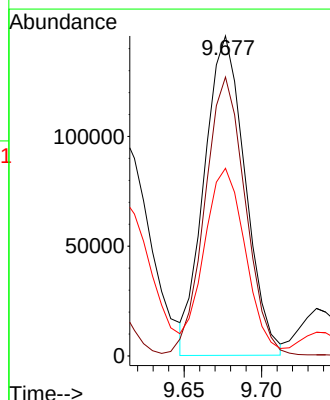
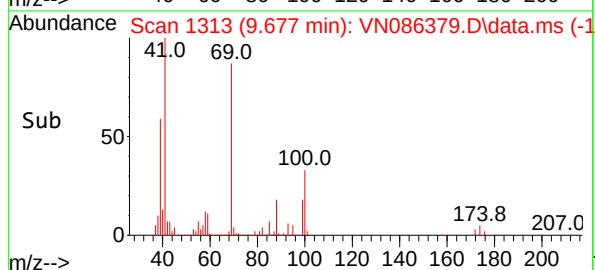
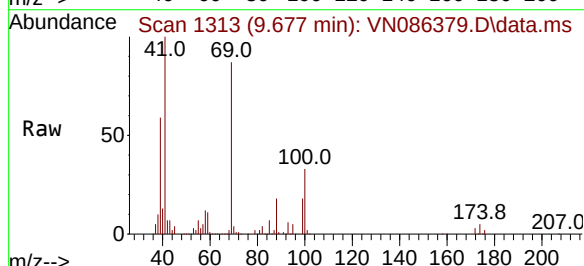
Tgt Ion: 41 Resp: 266838

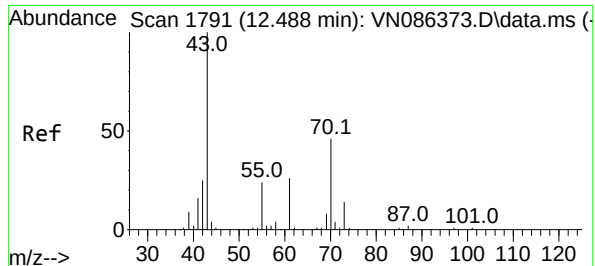
Ion Ratio Lower Upper

41 100

69 88.6 44.1 132.3

39 58.5 30.0 90.1





#47

n-amy1 Acetate

Concen: 105.493 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 504820

Ion Ratio Lower Upper

43 100

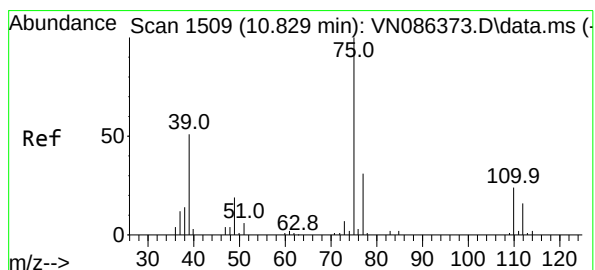
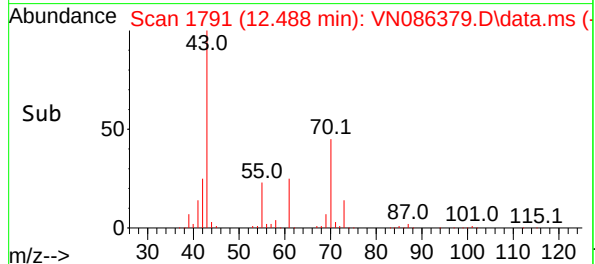
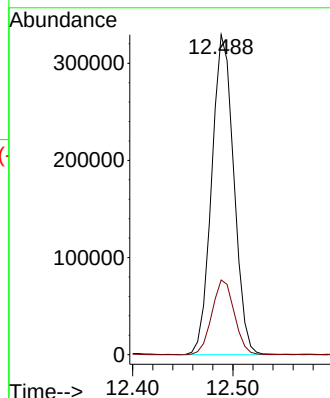
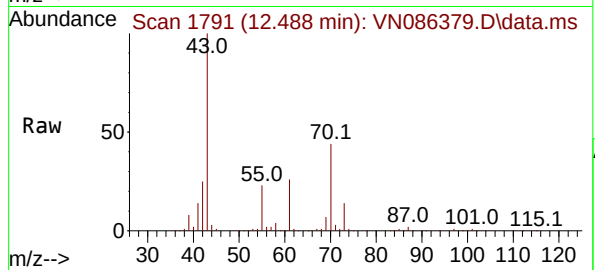
55 23.7 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#48

t-1,3-Dichloropropene

Concen: 106.279 ug/l

RT: 10.830 min Scan# 1509

Delta R.T. 0.000 min

Lab File: VN086379.D

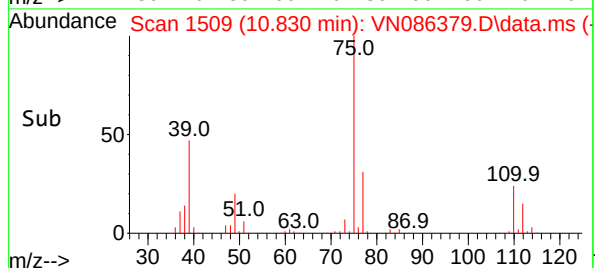
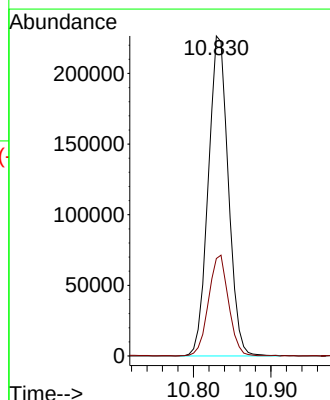
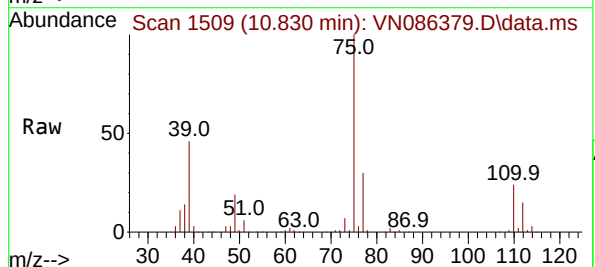
Acq: 23 Apr 2025 12:37

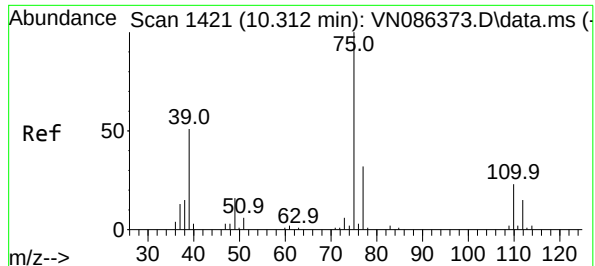
Tgt Ion: 75 Resp: 406922

Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6





#49

cis-1,3-Dichloropropene

Concen: 105.570 ug/l

RT: 10.306 min Scan# 1421

Delta R.T. -0.006 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 42625

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

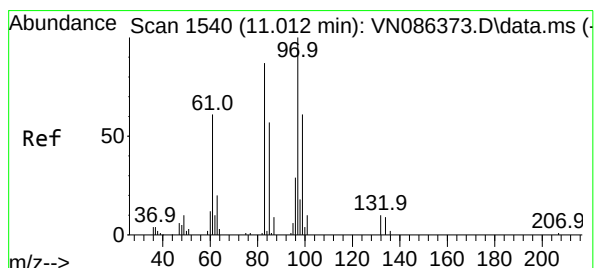
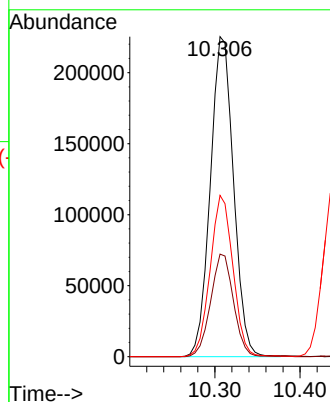
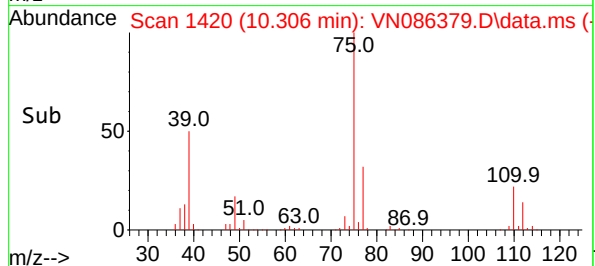
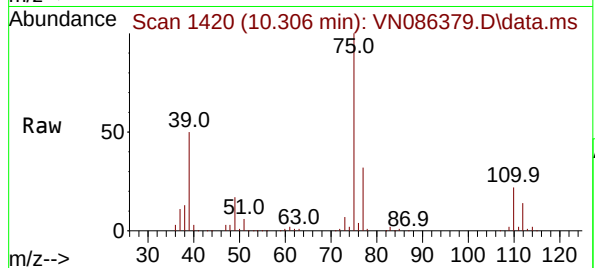
39 50.4 40.6 60.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#50

1,1,2-Trichloroethane

Concen: 104.198 ug/l

RT: 11.012 min Scan# 1540

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Tgt Ion: 97 Resp: 235538

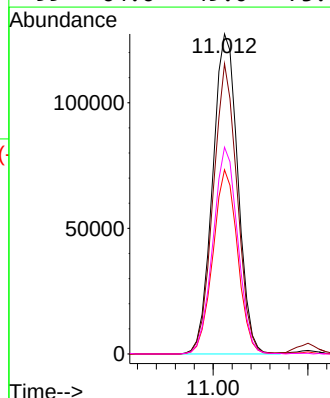
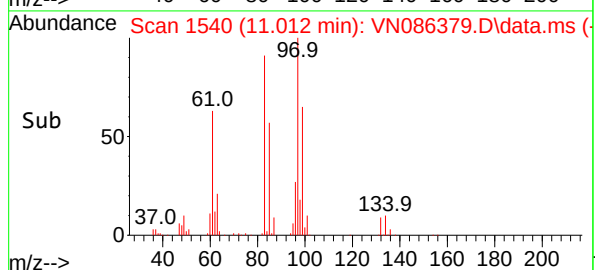
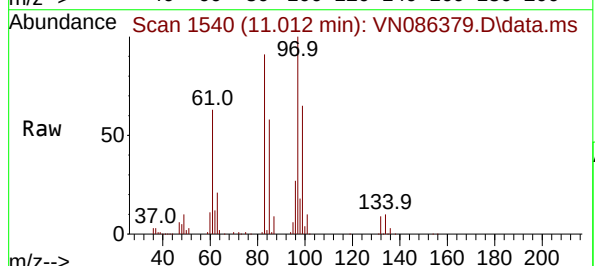
Ion Ratio Lower Upper

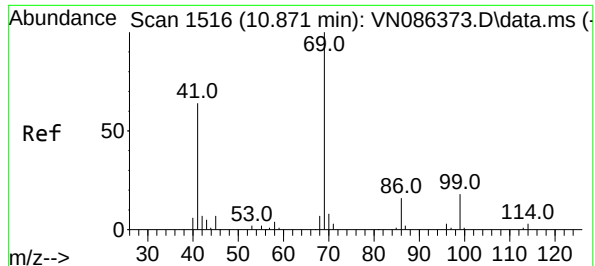
97 100

83 90.7 69.3 103.9

85 57.5 45.5 68.3

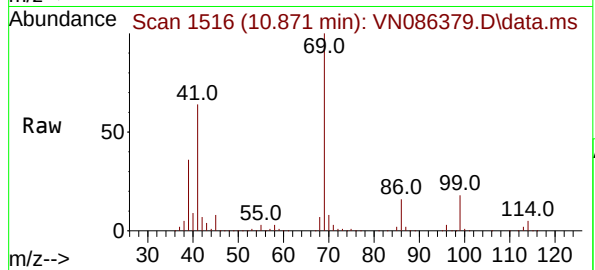
99 64.6 49.0 73.6





#51
Ethyl methacrylate
Concen: 106.266 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

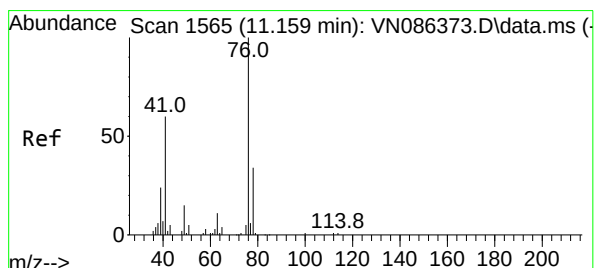
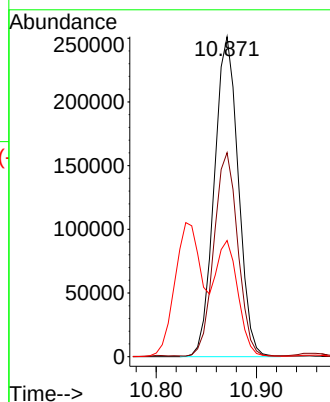
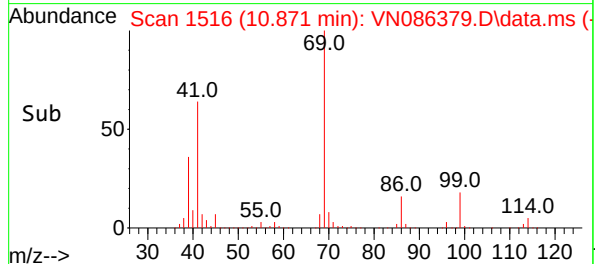
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion: 69 Resp: 418350
Ion Ratio Lower Upper
69 100
41 63.6 32.3 96.8
39 36.1 19.1 57.1

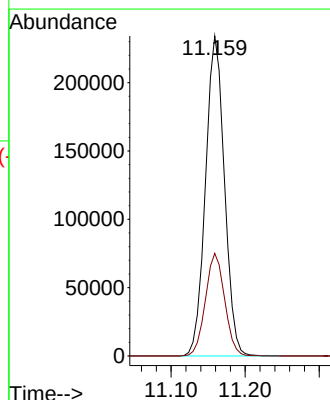
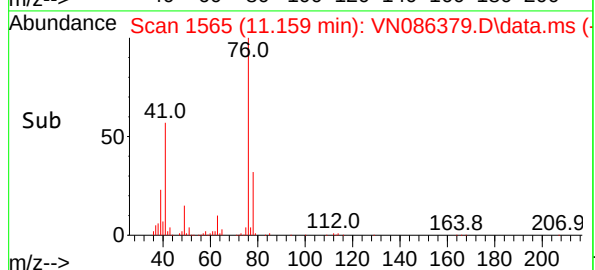
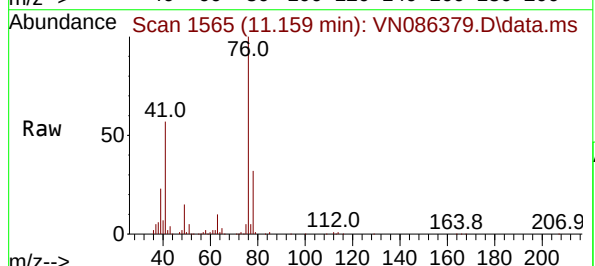
Manual Integrations
APPROVED

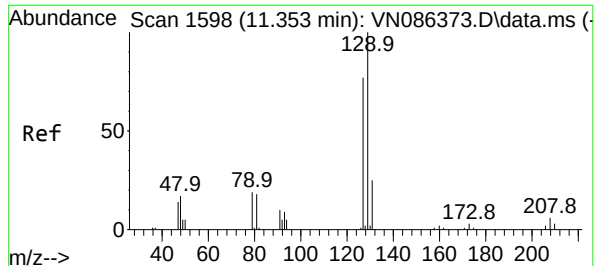
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#52
1,3-Dichloropropane
Concen: 104.040 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

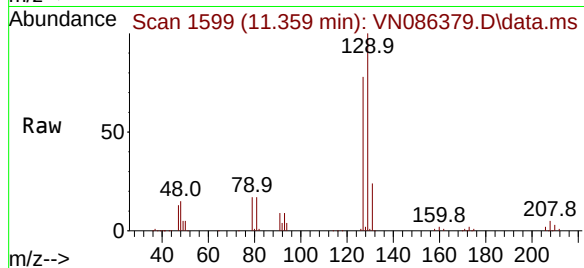
Tgt Ion: 76 Resp: 415656
Ion Ratio Lower Upper
76 100
78 32.6 0.0 65.6





#53
Dibromochloromethane
Concen: 105.065 ug/l
RT: 11.359 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

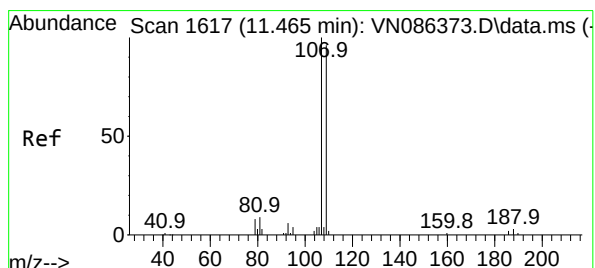
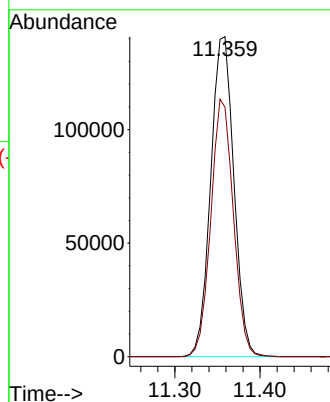
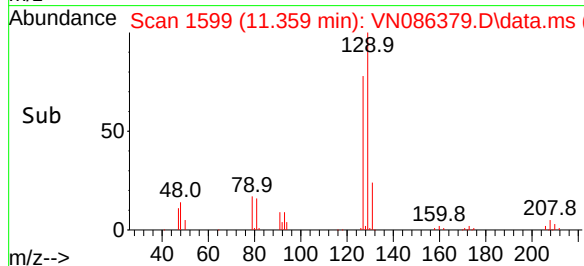
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



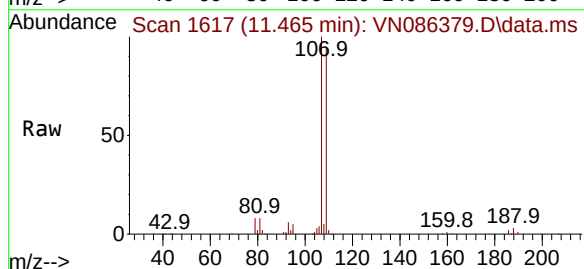
Tgt Ion:129 Resp: 26668
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.3

Manual Integrations
APPROVED

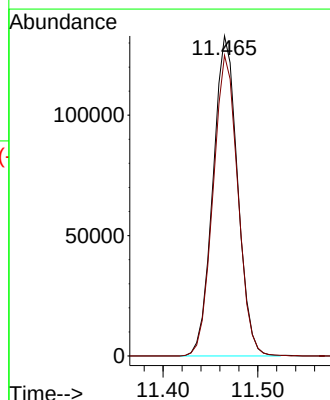
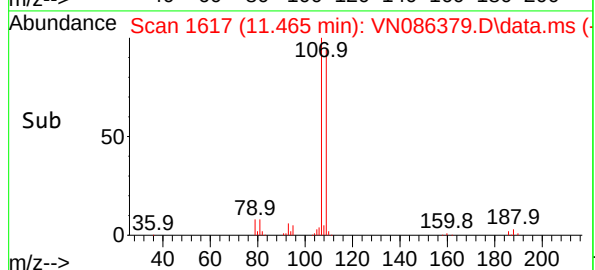
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

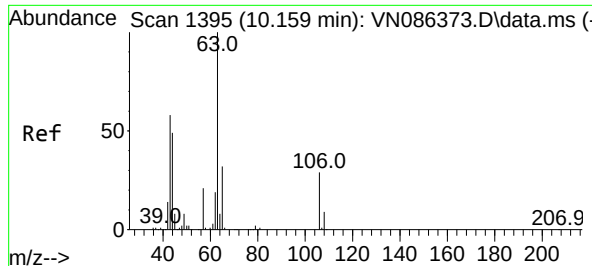


#54
1,2-Dibromoethane
Concen: 104.177 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37



Tgt Ion:107 Resp: 239438
Ion Ratio Lower Upper
107 100
109 94.7 75.4 113.0





#55

2-Chloroethyl vinyl ether

Concen: 516.516 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN086379.D

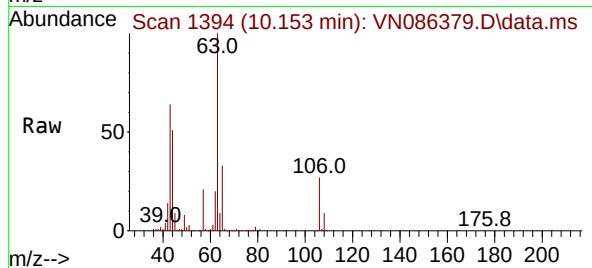
Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100



Tgt Ion: 63 Resp: 956039

Ion Ratio Lower Upper

63 100

65 32.2 25.7 38.5

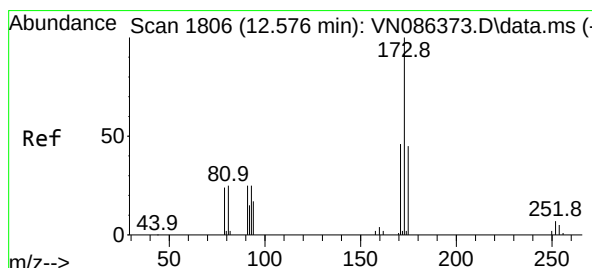
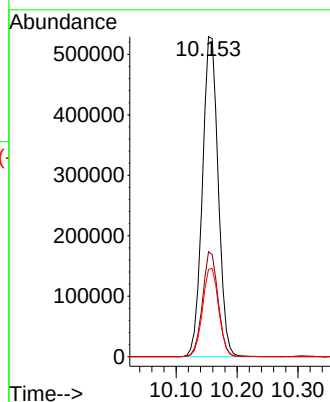
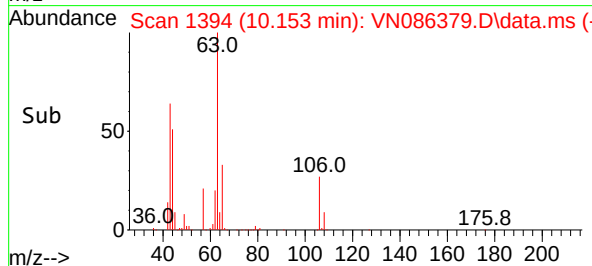
106 28.0 22.3 33.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#56

Bromoform

Concen: 106.763 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

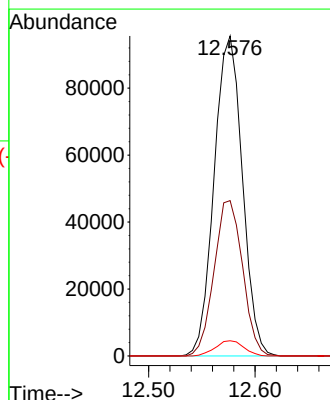
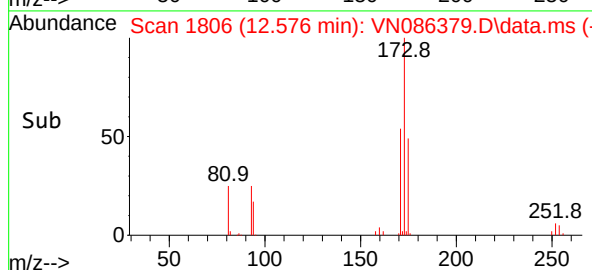
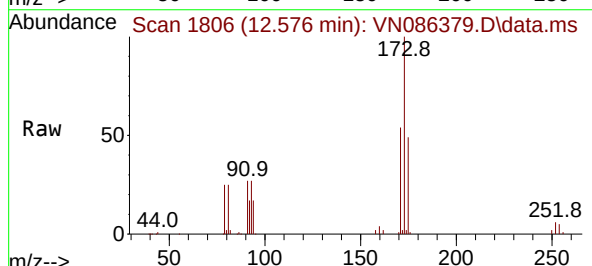
Tgt Ion:173 Resp: 175855

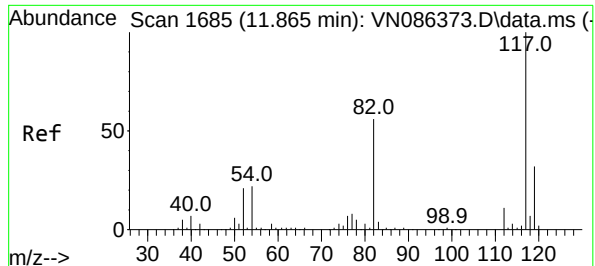
Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.6

254 4.8 3.8 5.6





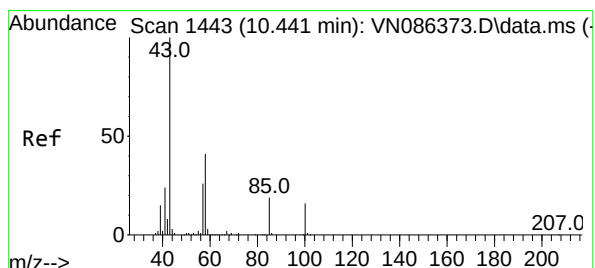
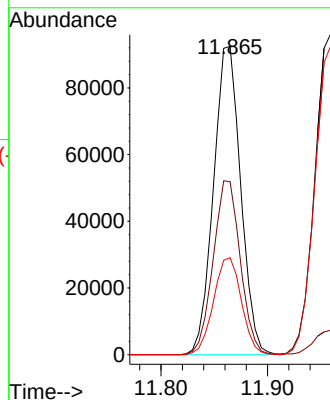
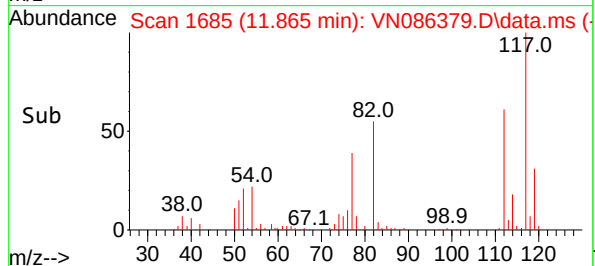
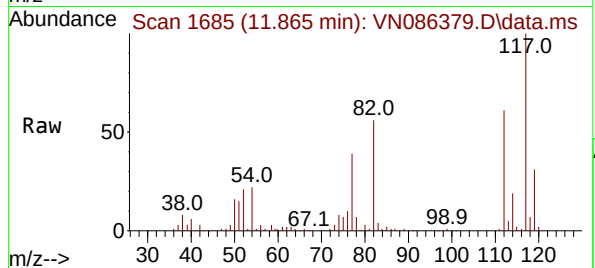
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 16412
Ion Ratio Lower Upper
117 100
82 56.3 45.5 68.3
119 32.1 25.9 38.9

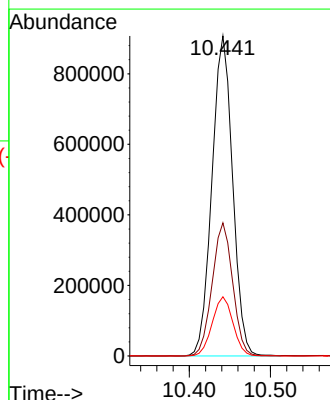
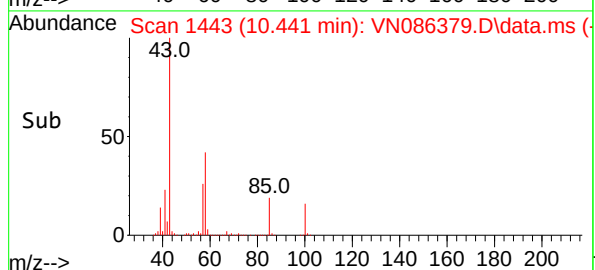
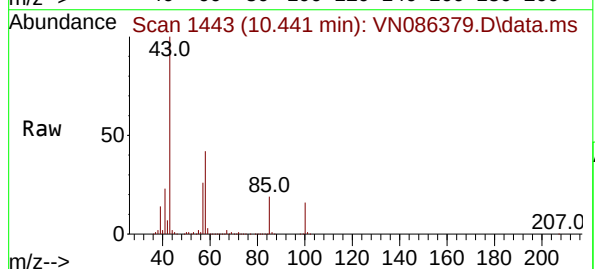
Manual Integrations
APPROVED

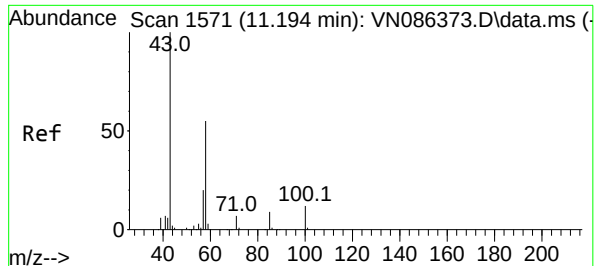
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#58
4-Methyl-2-Pentanone
Concen: 505.519 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

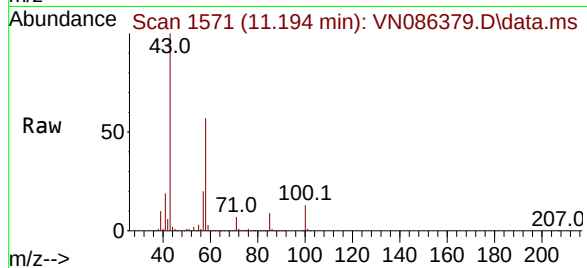
Tgt Ion: 43 Resp: 1605575
Ion Ratio Lower Upper
43 100
58 41.3 33.0 49.6
85 18.6 14.9 22.3





#59
2-Hexanone
Concen: 507.067 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

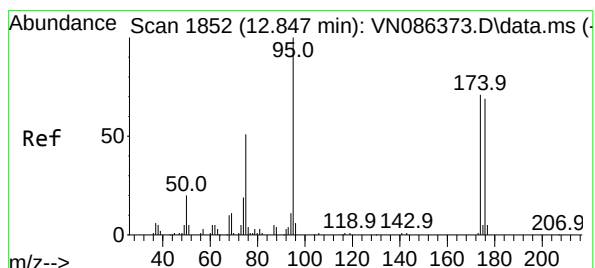
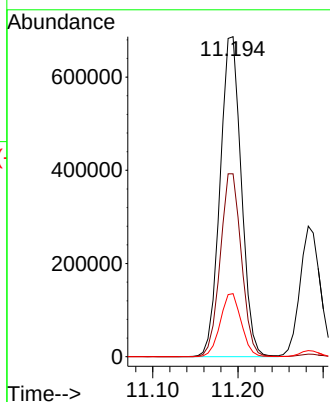
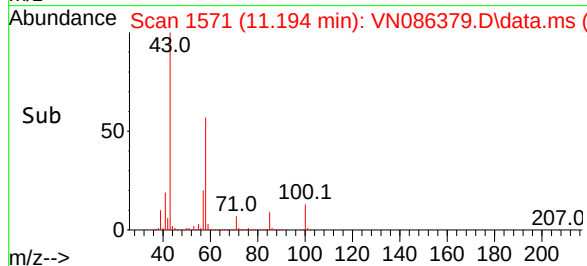
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 118681
Ion Ratio Lower Upper
43 100
58 57.1 45.0 67.6
57 19.6 15.5 23.3

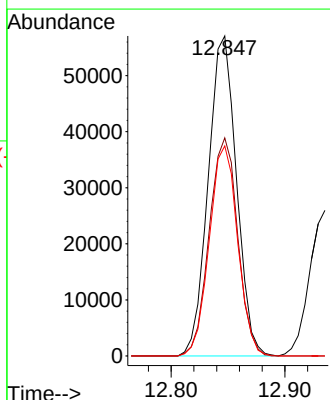
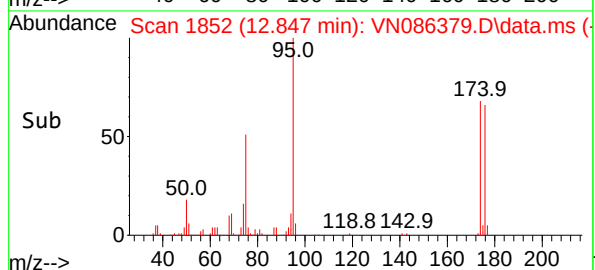
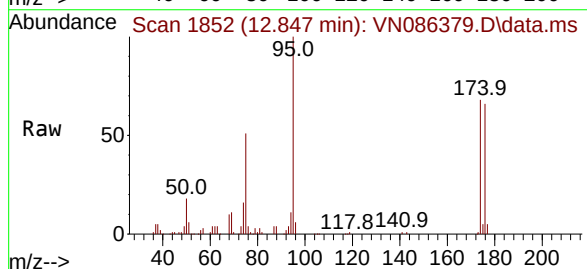
Manual Integrations
APPROVED

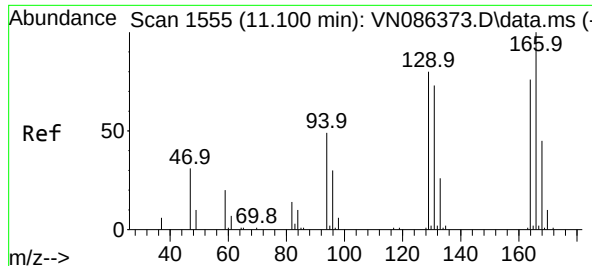
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#60
4-Bromofluorobenzene
Concen: 30.592 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

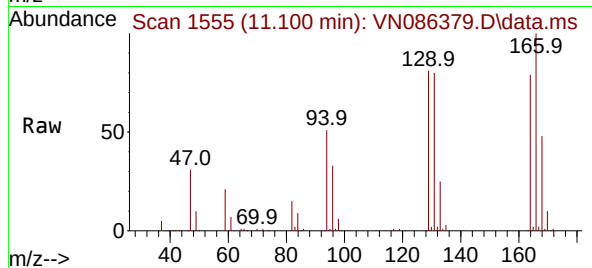
Tgt Ion: 95 Resp: 98684
Ion Ratio Lower Upper
95 100
174 68.8 56.6 84.8
176 65.7 53.3 79.9





#61
Tetrachloroethene
Concen: 102.288 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

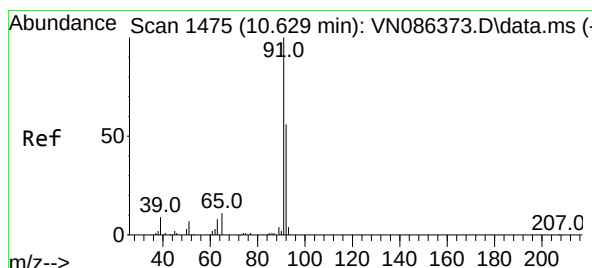
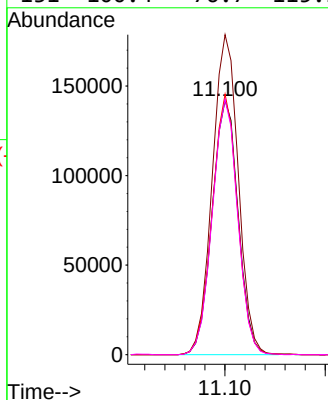
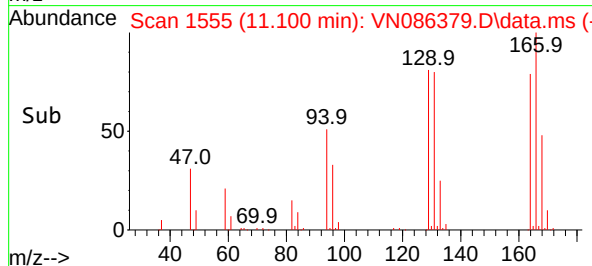
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:164 Resp: 256050
Ion Ratio Lower Upper
164 100
166 125.9 105.0 157.4
129 102.5 83.9 125.9
131 100.4 76.7 115.1

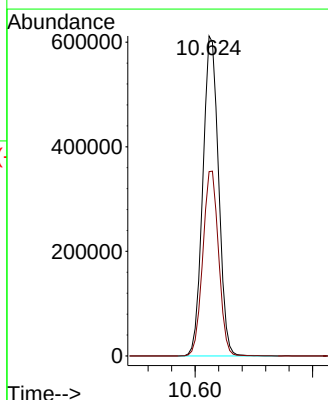
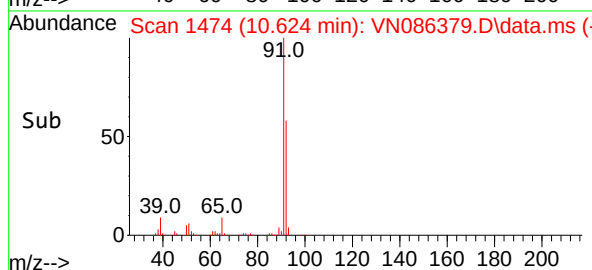
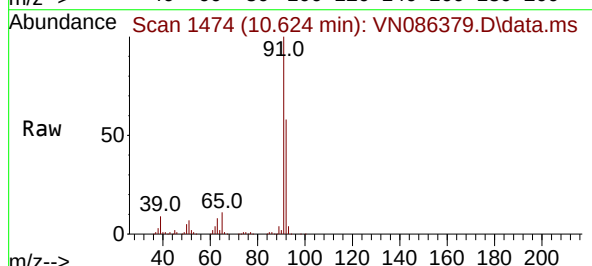
Manual Integrations
APPROVED

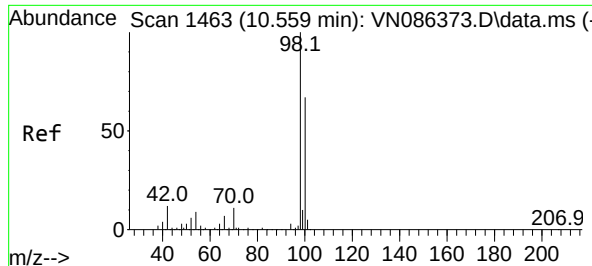
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#62
Toluene
Concen: 103.158 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

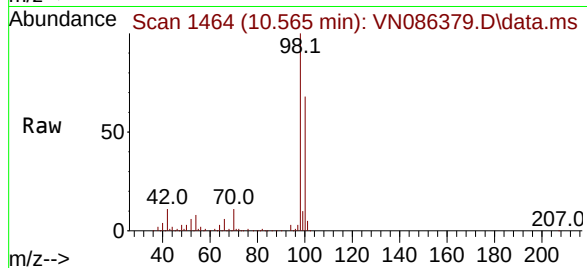
Tgt Ion: 91 Resp: 1133294
Ion Ratio Lower Upper
91 100
92 58.1 45.7 68.5





#63
Toluene-d8
Concen: 29.745 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

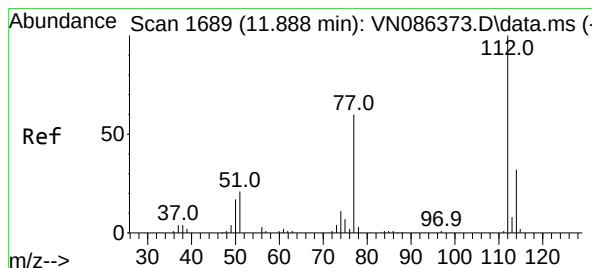
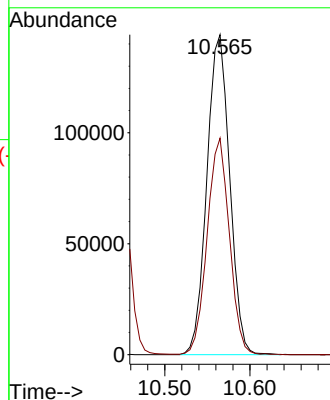
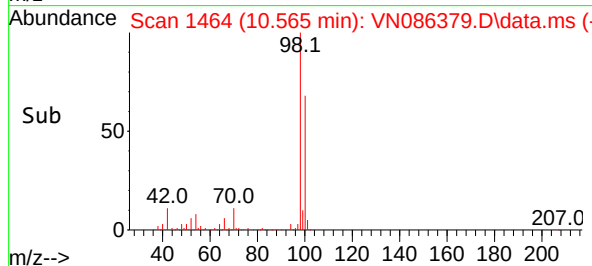
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 98 Resp: 268570
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7

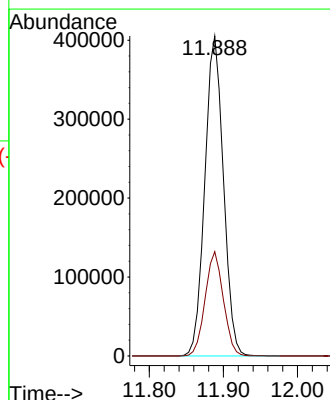
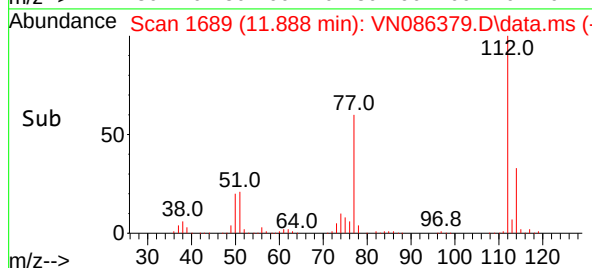
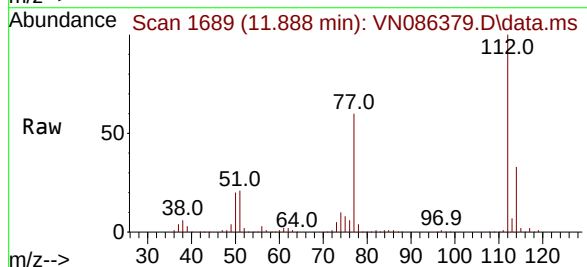
Manual Integrations
APPROVED

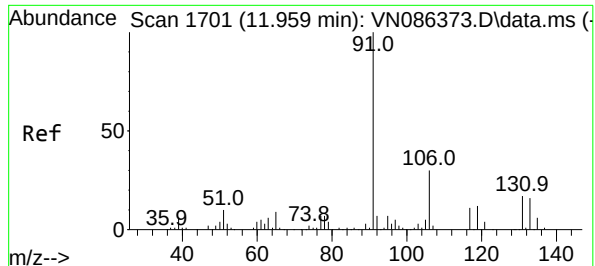
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#64
Chlorobenzene
Concen: 103.170 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion:112 Resp: 706237
Ion Ratio Lower Upper
112 100
114 32.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 103.242 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

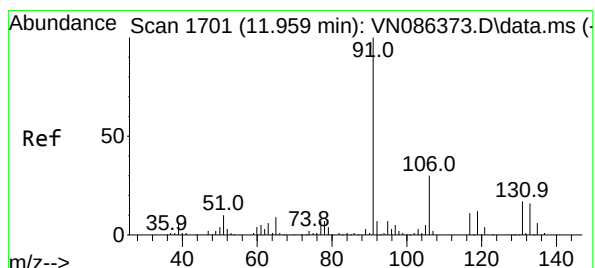
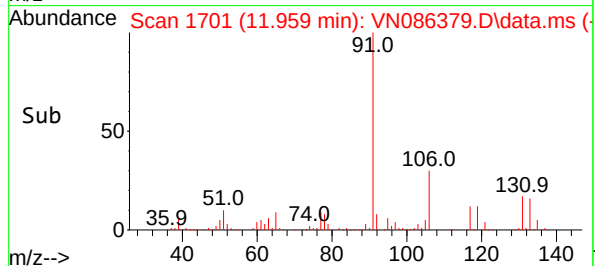
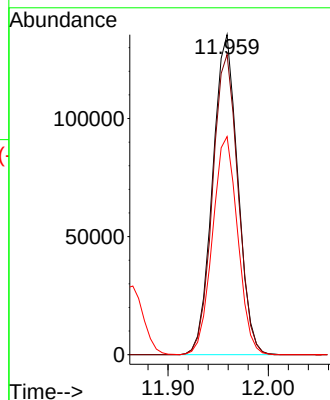
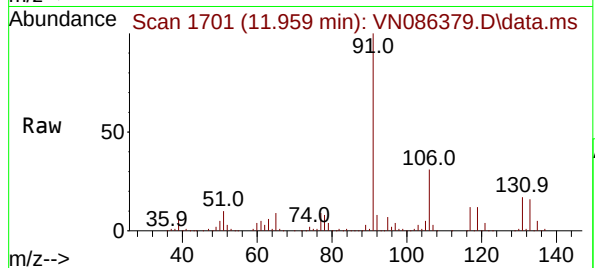
VSTDICC100

Tgt Ion:	131	Resp:	23630
Ion	Ratio	Lower	Upper
131	100		
133	94.9	0.0	191.4
119	68.2	0.0	133.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#66

Ethyl Benzene

Concen: 104.357 ug/l

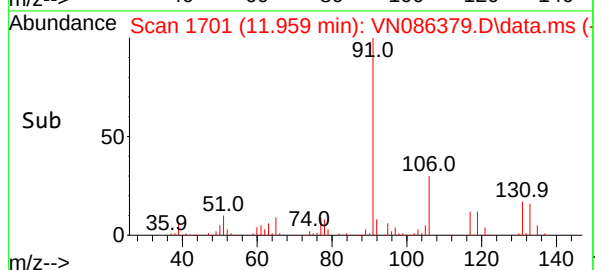
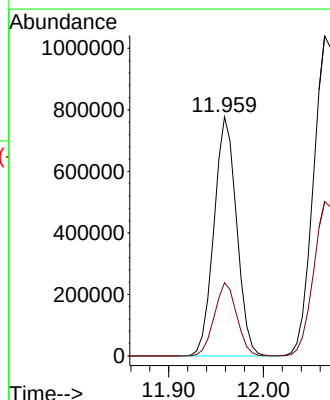
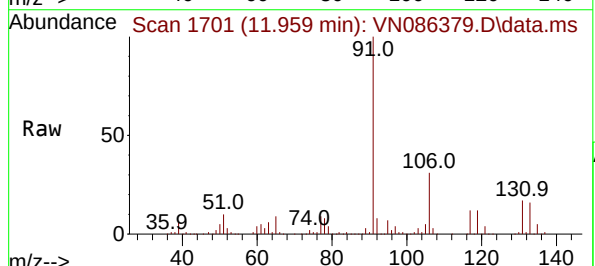
RT: 11.959 min Scan# 1701

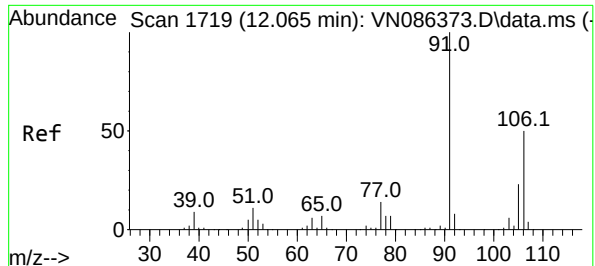
Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Tgt Ion:	91	Resp:	1290476
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.3	36.5





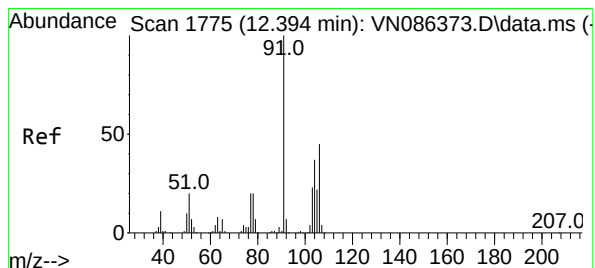
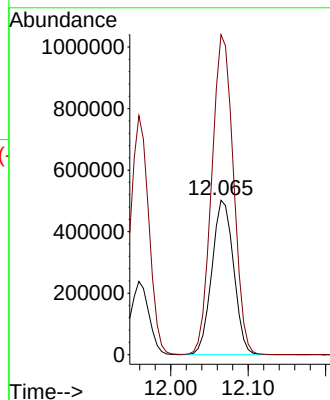
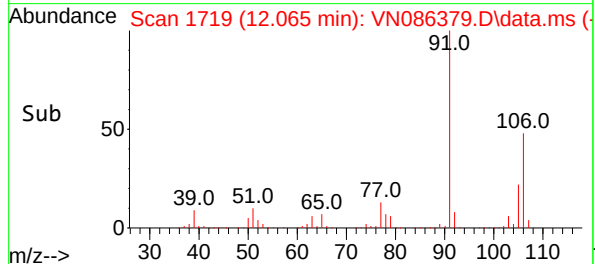
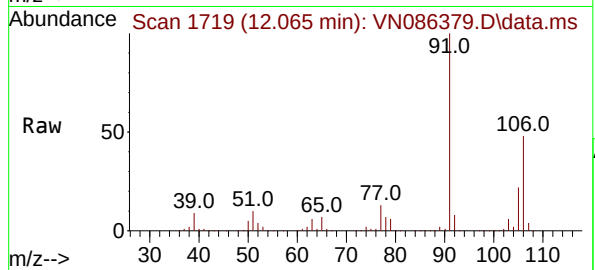
#67
m/p-Xylenes
Concen: 208.429 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 977944
Ion Ratio Lower Upper
106 100
91 207.0 162.6 243.8

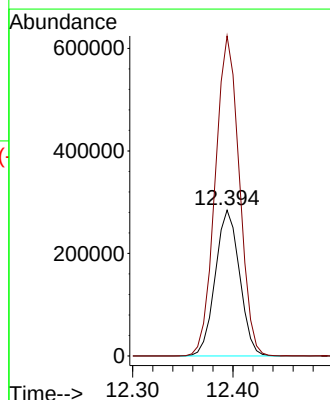
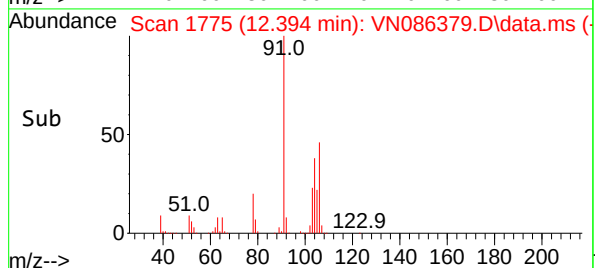
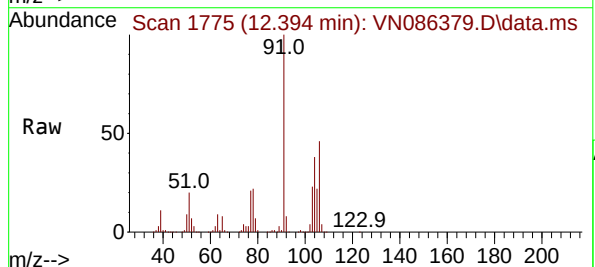
Manual Integrations
APPROVED

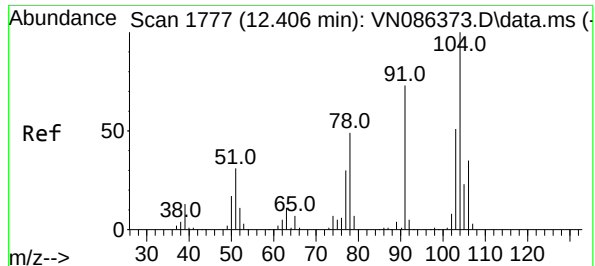
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#68
o-Xylene
Concen: 104.273 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion:106 Resp: 479032
Ion Ratio Lower Upper
106 100
91 217.8 110.6 331.6





#69

Styrene

Concen: 107.015 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion:104 Resp: 833300

Ion Ratio Lower Upper

104 100

78 50.1 40.2 60.4

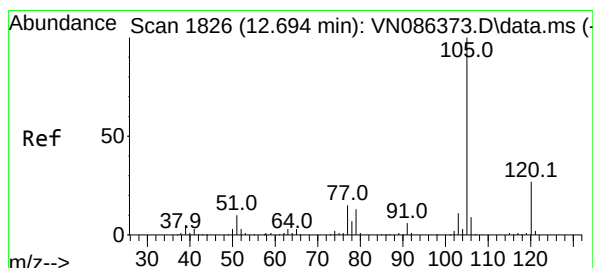
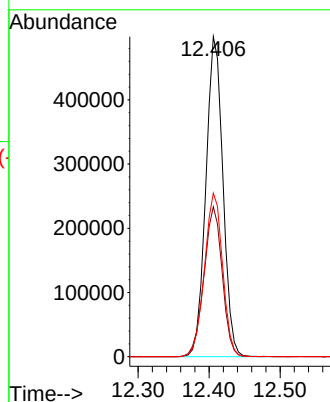
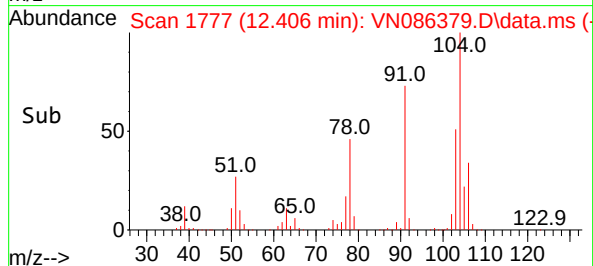
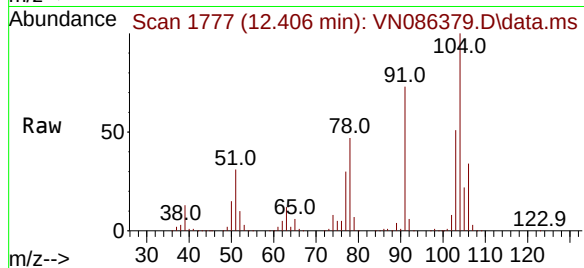
103 54.3 43.8 65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#70

Isopropylbenzene

Concen: 105.197 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN086379.D

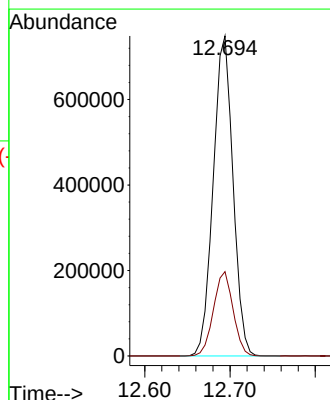
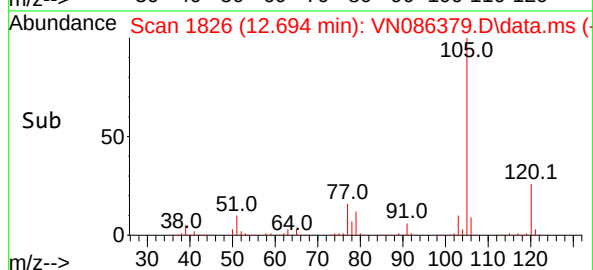
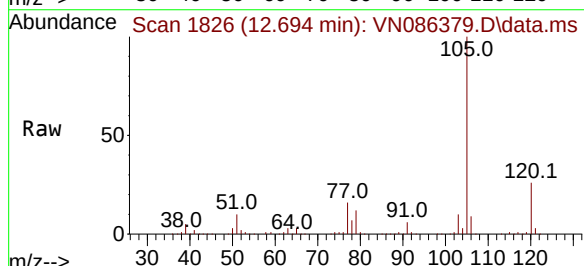
Acq: 23 Apr 2025 12:37

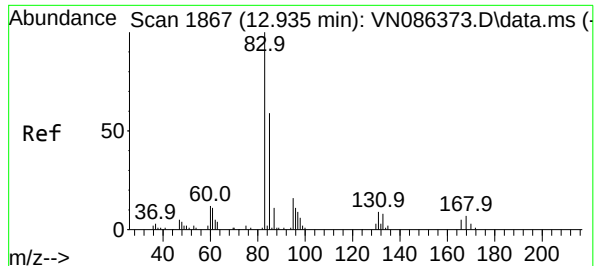
Tgt Ion:105 Resp: 1206389

Ion Ratio Lower Upper

105 100

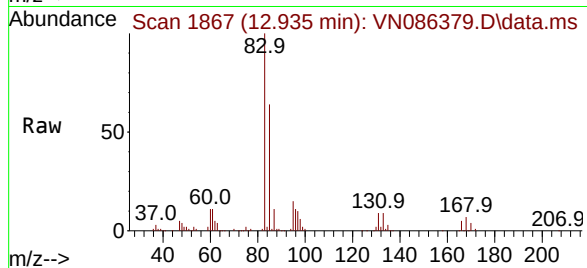
120 26.1 18.2 33.8





#71
1,1,2-Tetrachloroethane
Concen: 100.113 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

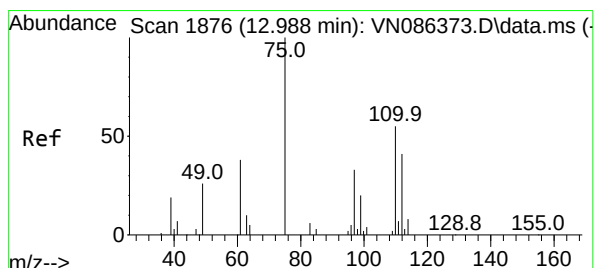
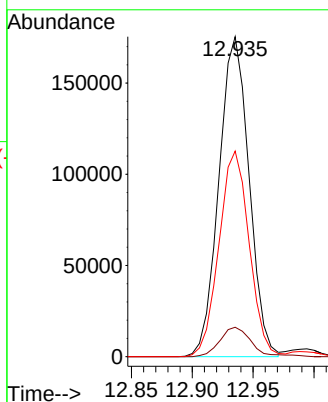
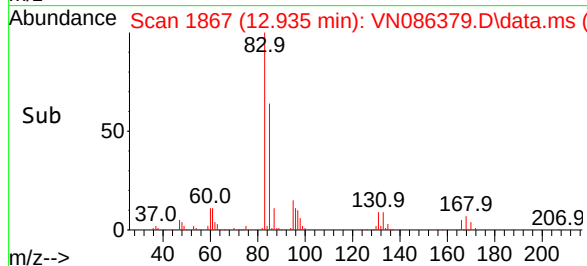
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 83 Resp: 302290
Ion Ratio Lower Upper
83 100
131 9.6 4.5 13.7
85 64.4 31.7 95.1

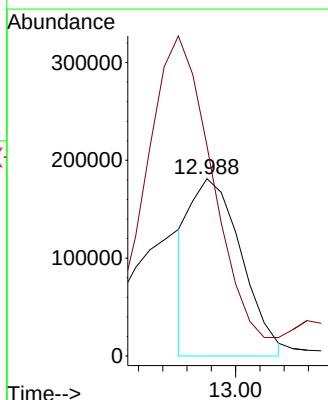
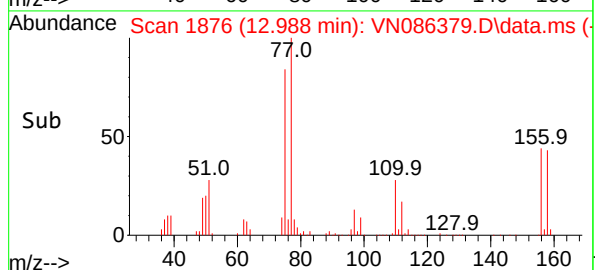
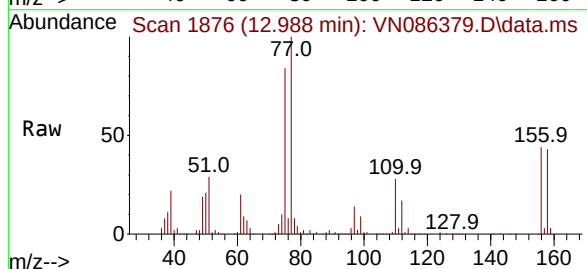
Manual Integrations
APPROVED

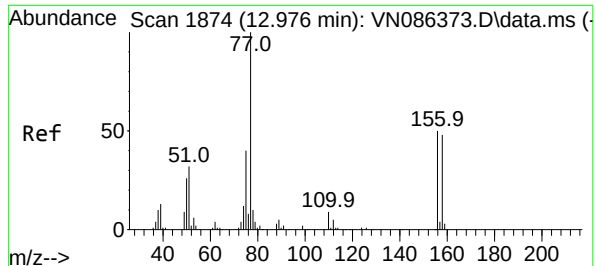
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#72
1,2,3-Trichloropropane
Concen: 101.648 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion: 75 Resp: 265966
Ion Ratio Lower Upper
75 100
77 243.2 0.0 464.4





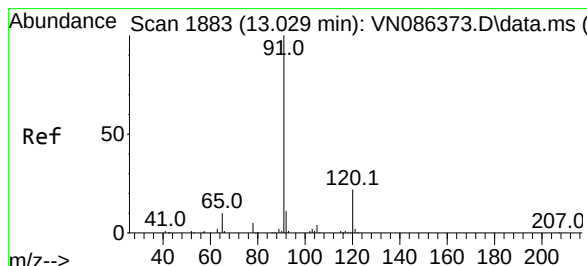
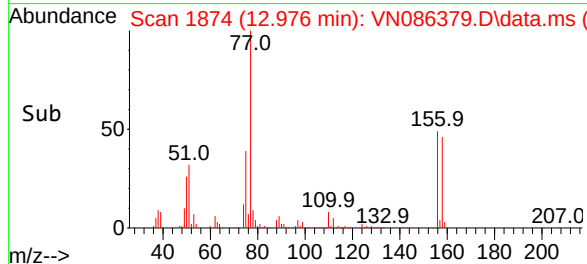
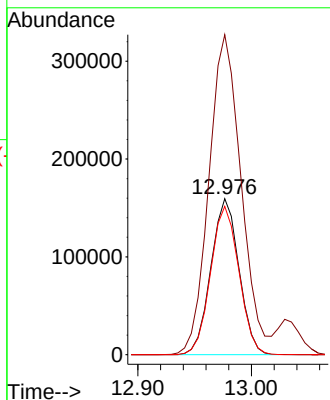
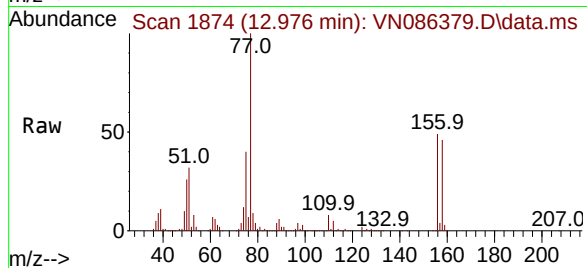
#73
Bromobenzene
Concen: 103.746 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 27352
Ion Ratio Lower Upper
156 100
77 236.5 0.0 463.4
158 96.0 0.0 191.8

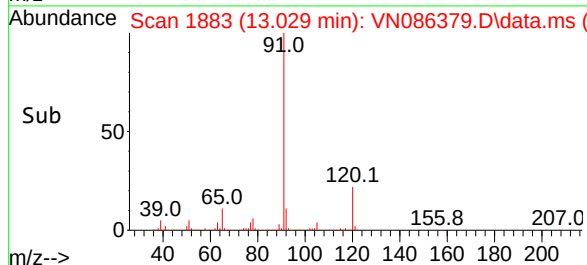
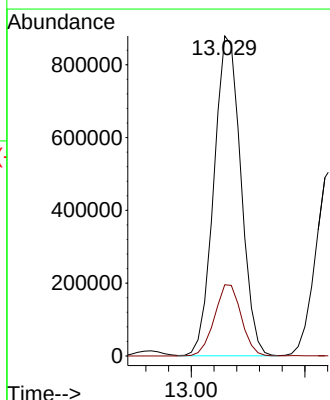
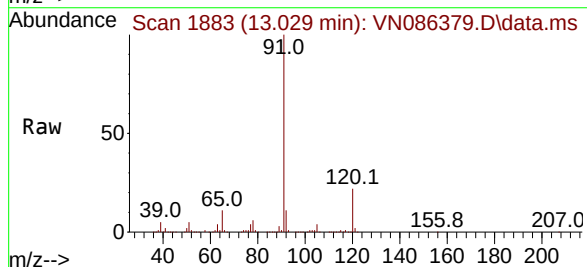
Manual Integrations
APPROVED

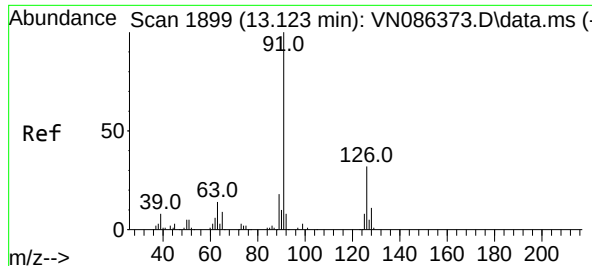
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#74
n-propylbenzene
Concen: 106.306 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion: 91 Resp: 1448668
Ion Ratio Lower Upper
91 100
120 22.1 0.0 43.8





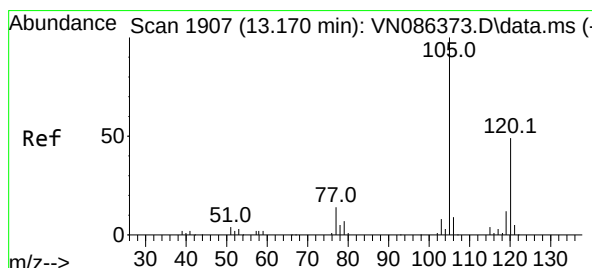
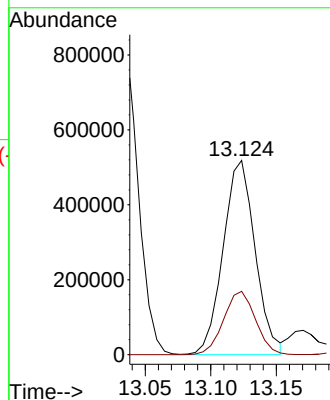
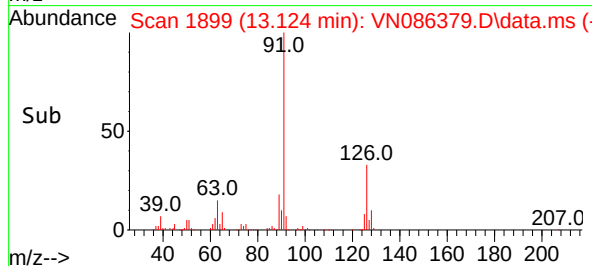
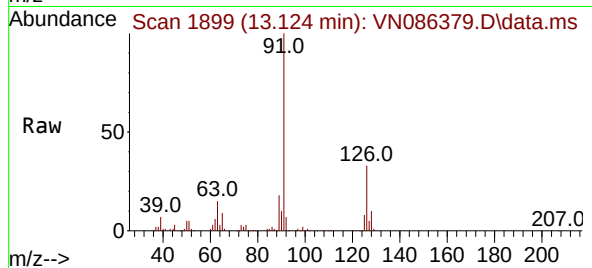
#75
2-Chlorotoluene
Concen: 103.571 ug/l
RT: 13.124 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 881060
Ion Ratio Lower Upper
91 100
126 32.5 0.0 65.0

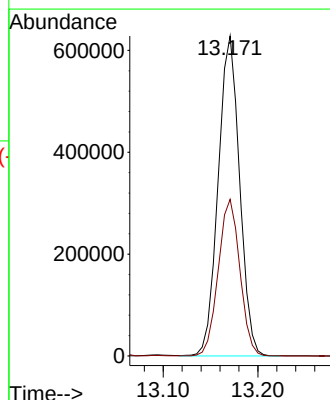
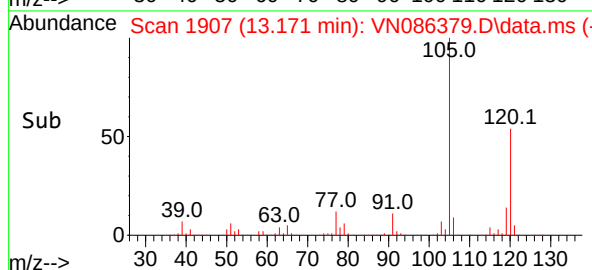
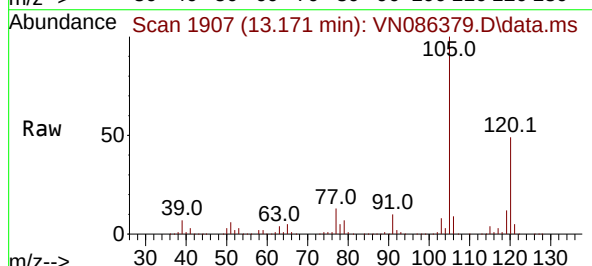
Manual Integrations
APPROVED

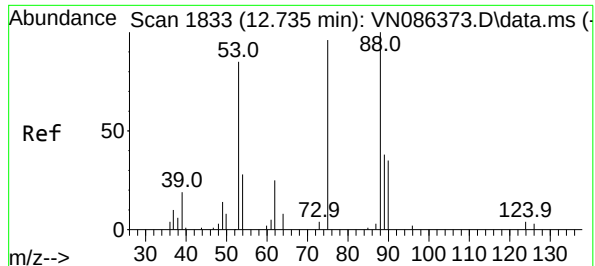
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 105.165 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

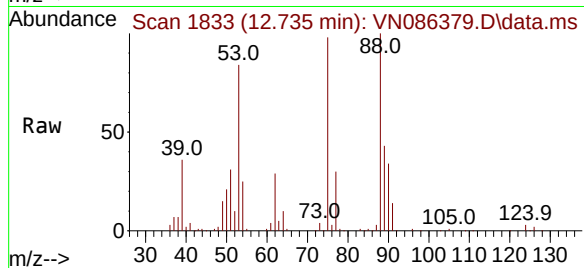
Tgt Ion:105 Resp: 989559
Ion Ratio Lower Upper
105 100
120 49.3 0.0 97.6





#77
t-1,4-Dichloro-2-butene
Concen: 107.186 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

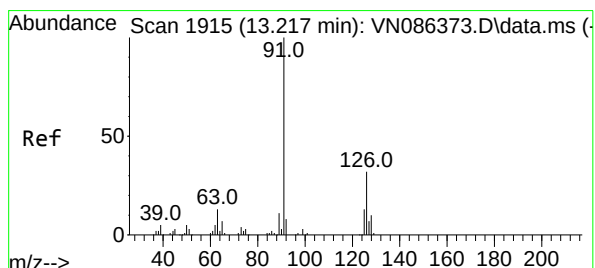
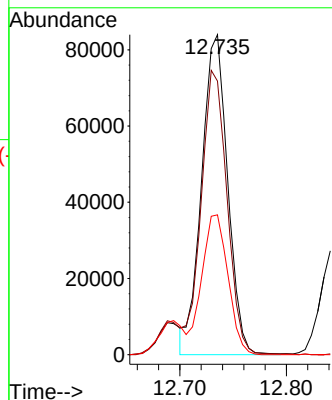
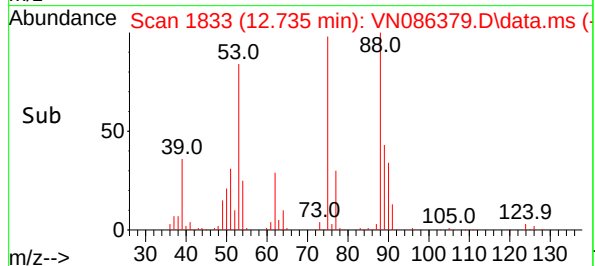
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion: 75 Resp: 143204
Ion Ratio Lower Upper
75 100
53 85.5 46.0 138.0
89 43.8 21.6 64.6

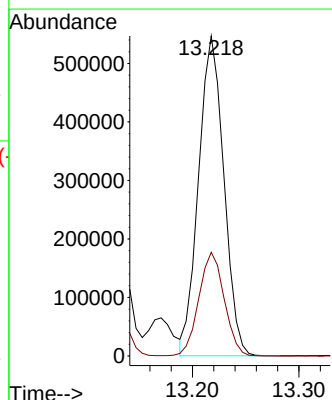
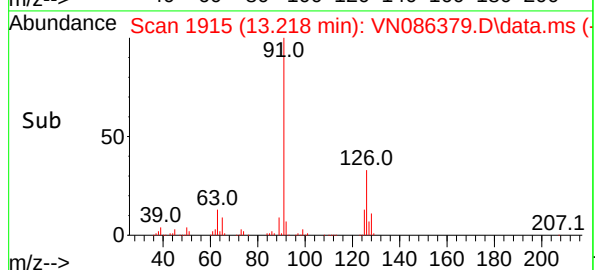
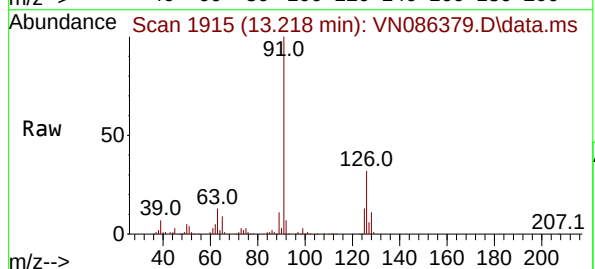
Manual Integrations
APPROVED

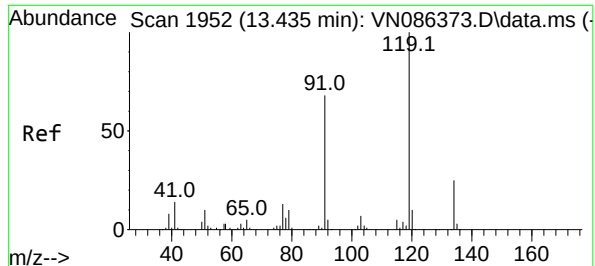
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#78
4-Chlorotoluene
Concen: 106.061 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion: 91 Resp: 902138
Ion Ratio Lower Upper
91 100
126 32.6 0.0 65.4





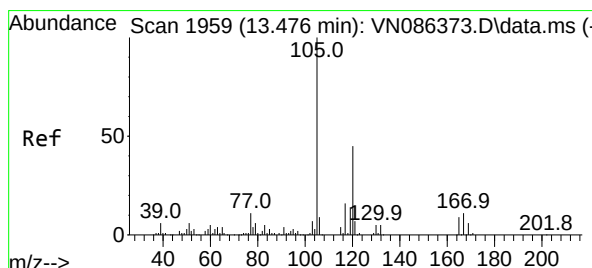
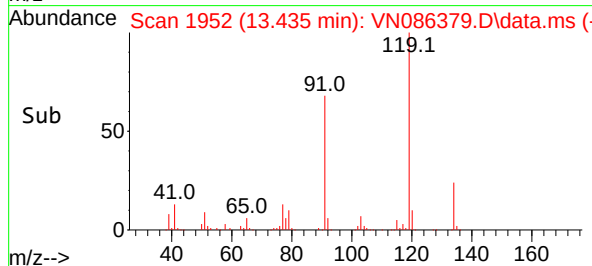
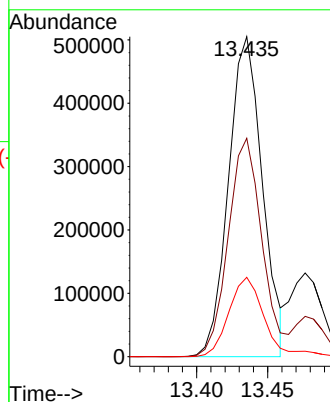
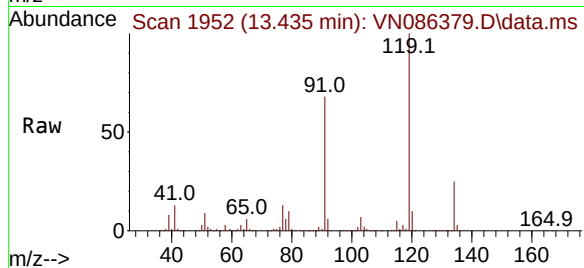
#79
tert-butylbenzene
Concen: 104.079 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 838738
Ion Ratio Lower Upper
119 100
91 68.7 0.0 137.4
134 25.1 0.0 49.2

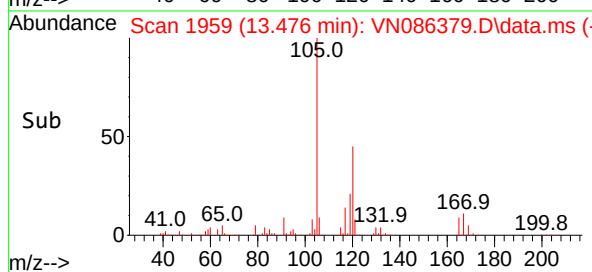
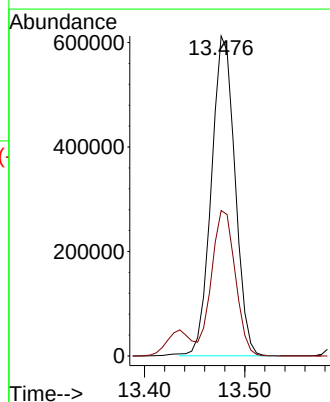
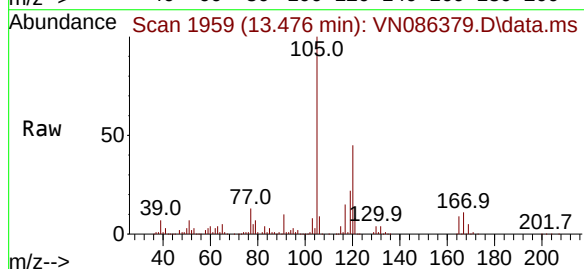
Manual Integrations
APPROVED

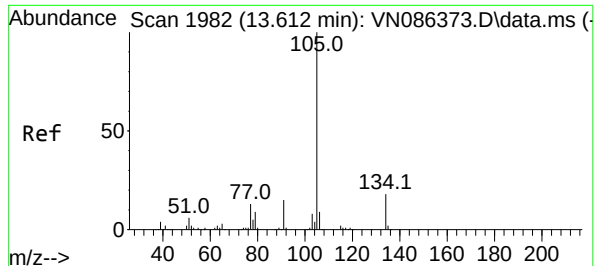
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#80
1,2,4-Trimethylbenzene
Concen: 104.137 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

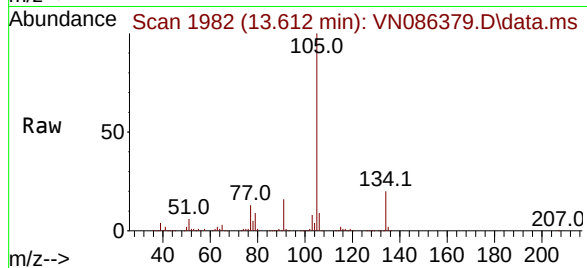
Tgt Ion:105 Resp: 1000736
Ion Ratio Lower Upper
105 100
120 45.5 0.0 87.6





#81
sec-Butylbenzene
Concen: 105.264 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

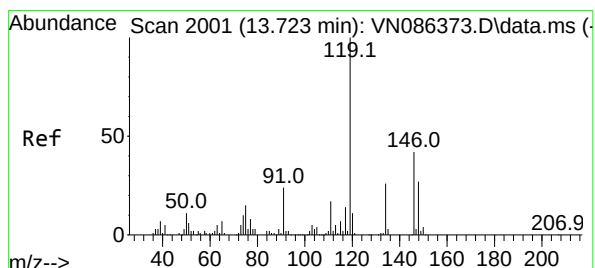
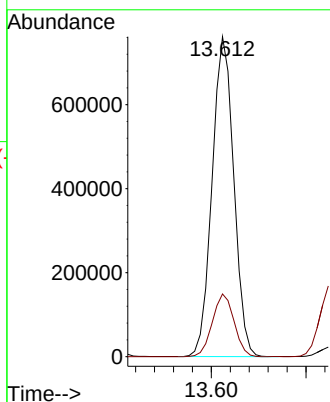
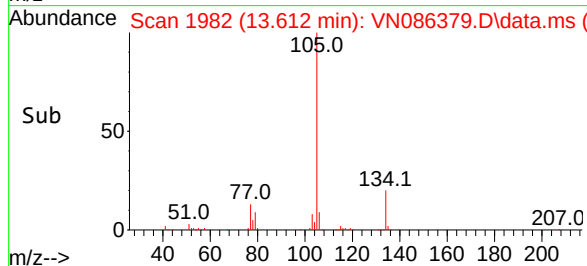
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 121089
Ion Ratio Lower Upper
105 100
134 19.6 0.0 38.4

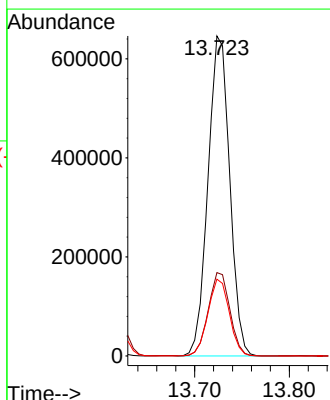
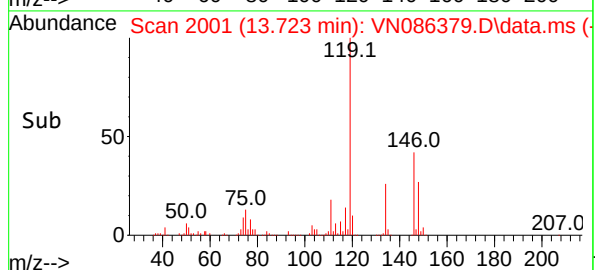
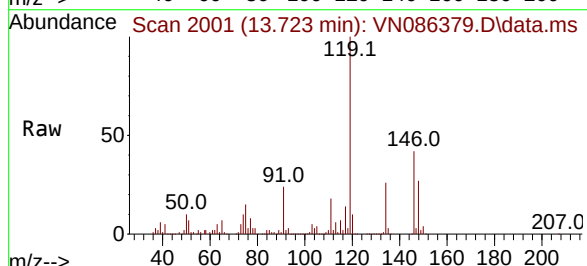
Manual Integrations
APPROVED

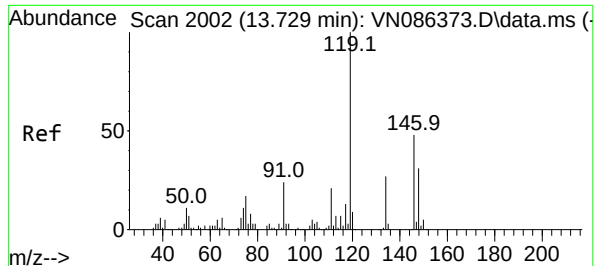
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#82
p-Isopropyltoluene
Concen: 107.051 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion:119 Resp: 1030447
Ion Ratio Lower Upper
119 100
134 25.9 0.0 52.2
91 23.6 0.0 47.6





#83

1,3-Dichlorobenzene

Concen: 105.501 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 525798

Ion Ratio Lower Upper

146 100

111 43.1 20.7 62.1

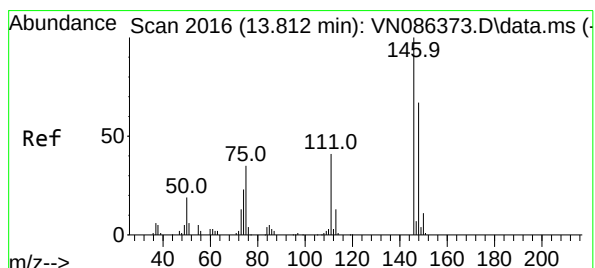
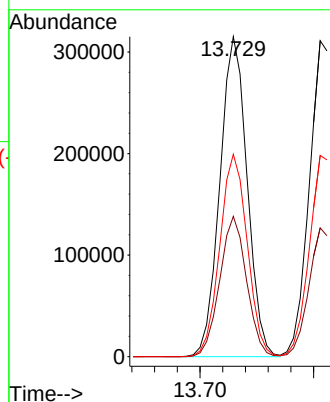
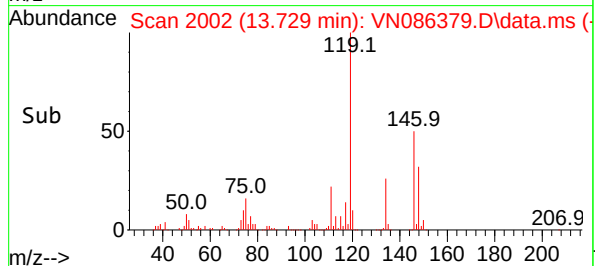
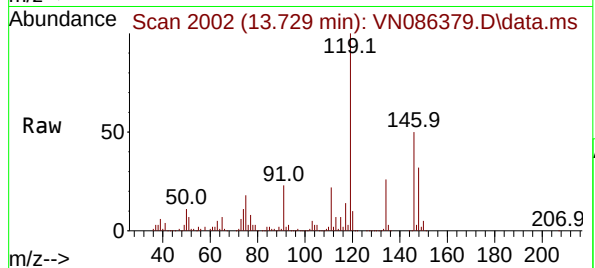
148 63.6 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#84

1,4-Dichlorobenzene

Concen: 105.635 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

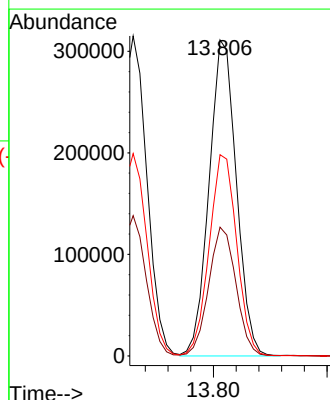
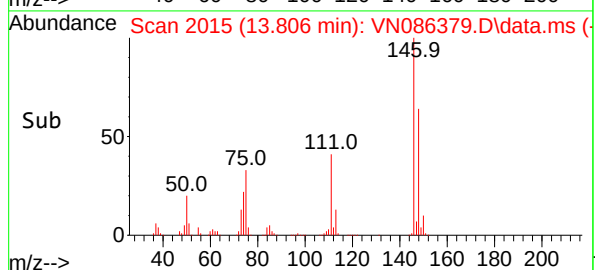
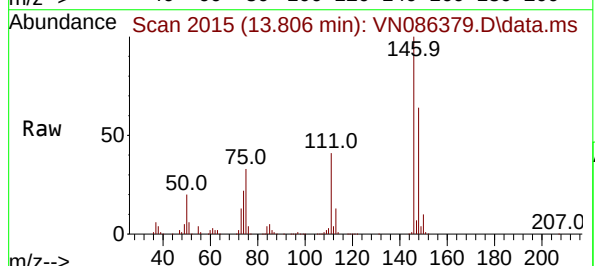
Tgt Ion:146 Resp: 520155

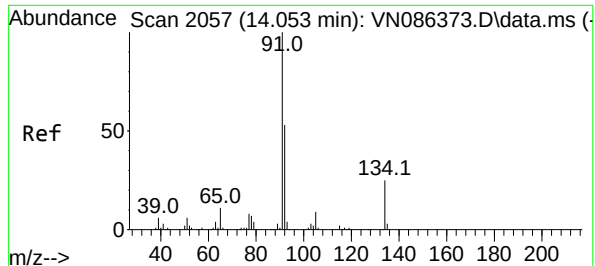
Ion Ratio Lower Upper

146 100

111 40.8 20.3 60.8

148 64.1 32.4 97.2





#85

n-Butylbenzene

Concen: 108.639 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

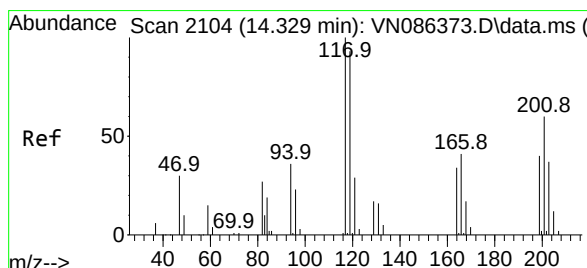
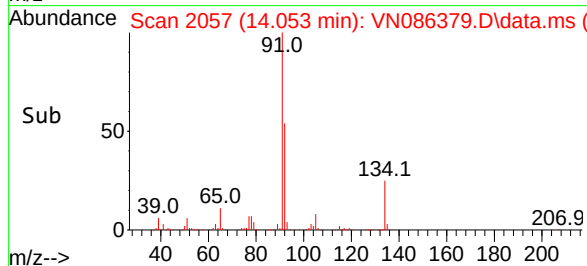
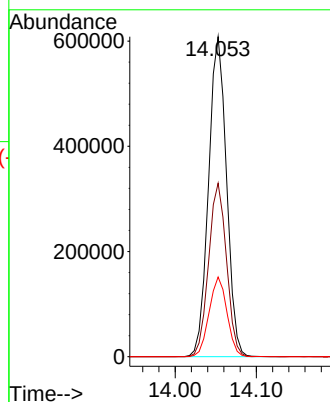
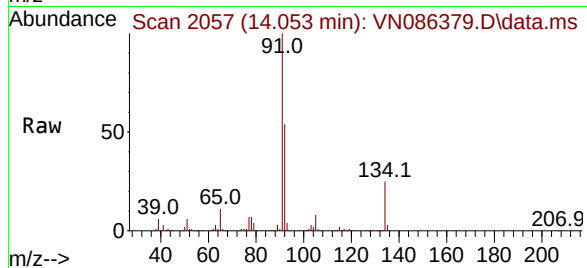
Tgt Ion:	91	Resp:	93310
Ion	Ratio	Lower	Upper
91	100		
92	54.0	0.0	107.2
134	24.8	0.0	48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#86

Hexachloroethane

Concen: 107.787 ug/l

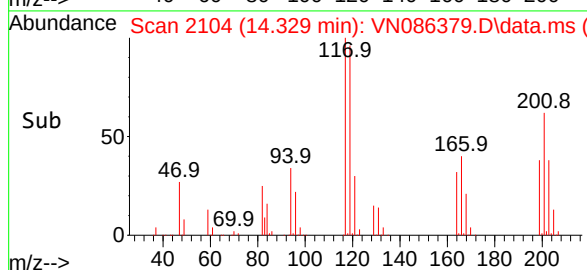
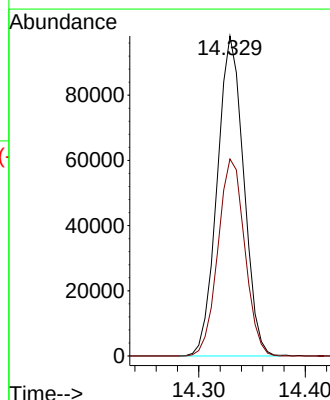
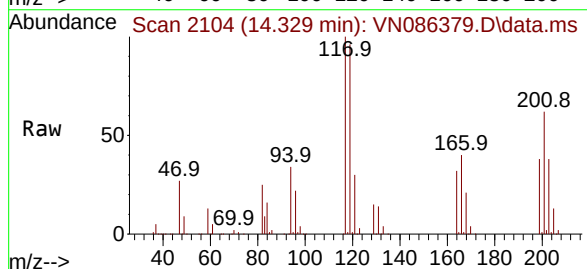
RT: 14.329 min Scan# 2104

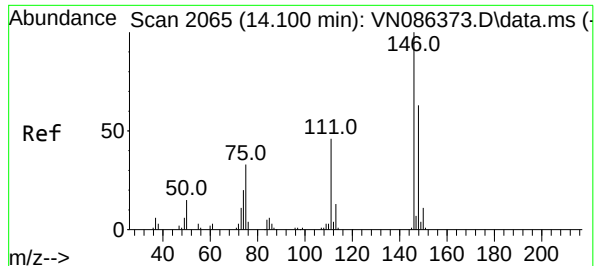
Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Tgt Ion:	117	Resp:	169652
Ion	Ratio	Lower	Upper
117	100		
201	62.2	31.7	95.1





#87

1,2-Dichlorobenzene

Concen: 104.502 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 49556

Ion Ratio Lower Upper

146 100

111 44.7 22.1 66.3

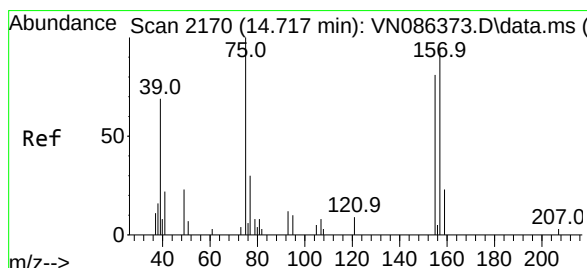
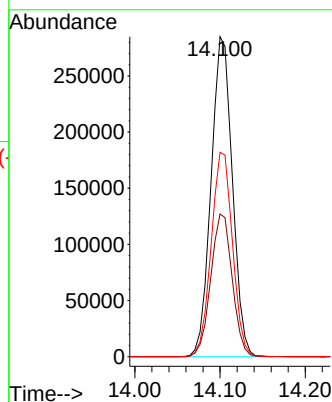
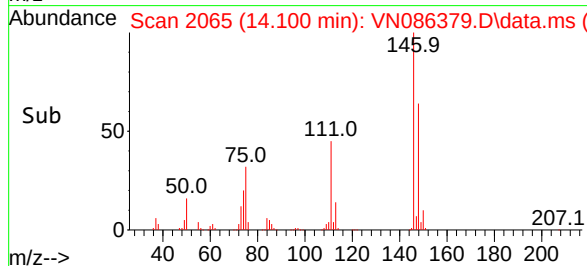
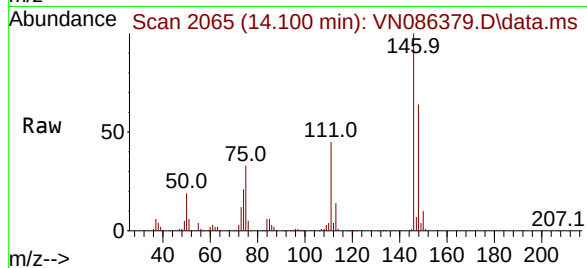
148 63.9 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 103.269 ug/l

RT: 14.718 min Scan# 2170

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

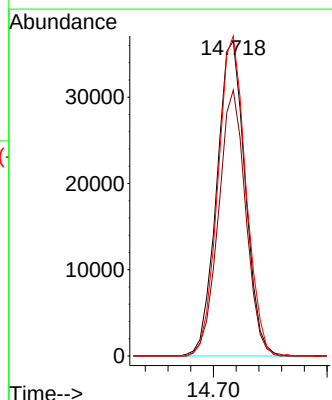
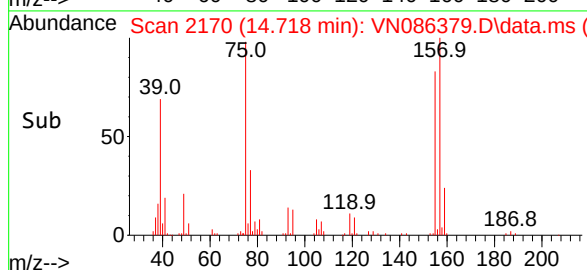
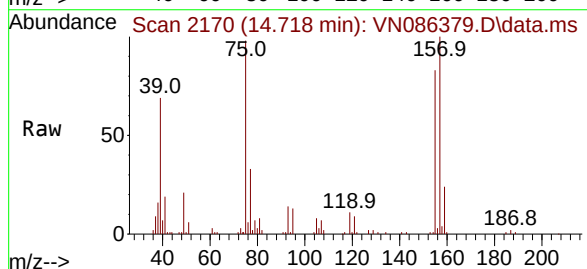
Tgt Ion: 75 Resp: 63382

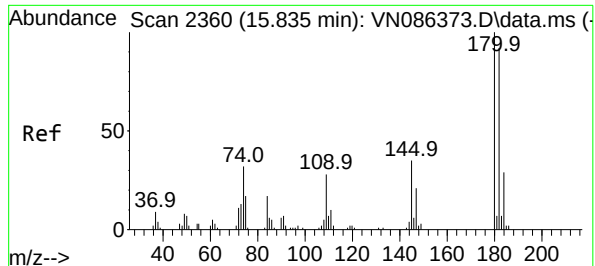
Ion Ratio Lower Upper

75 100

155 80.9 64.0 96.0

157 99.5 78.2 117.4





#89

1,2,4-Trichlorobenzene

Concen: 108.839 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 235238

Ion Ratio Lower Upper

180 100

182 95.6 74.8 112.2

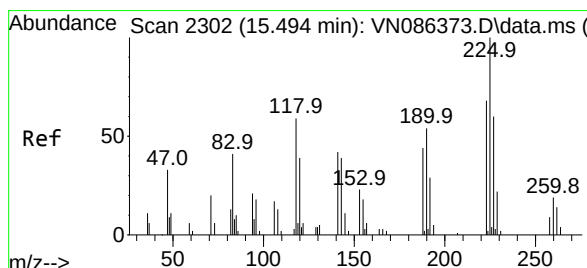
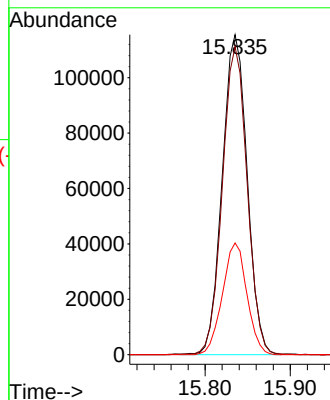
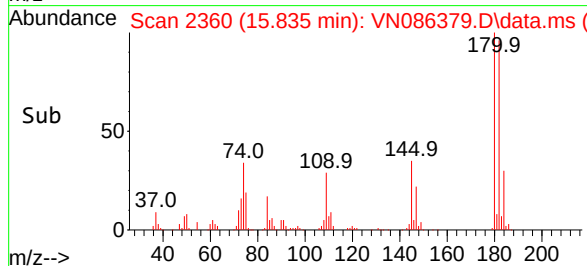
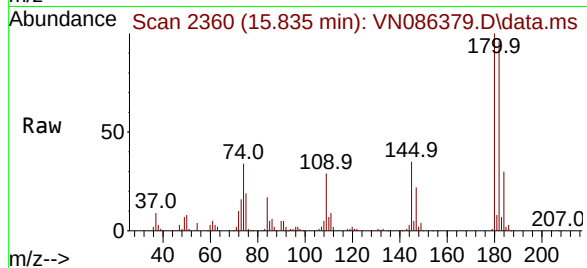
145 34.3 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#90

Hexachlorobutadiene

Concen: 105.391 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN086379.D

Acq: 23 Apr 2025 12:37

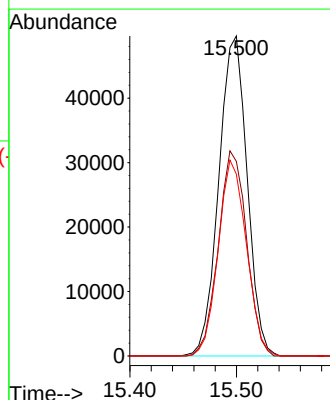
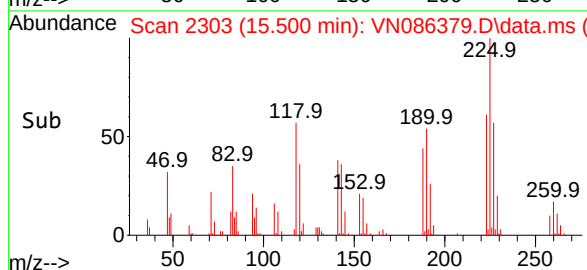
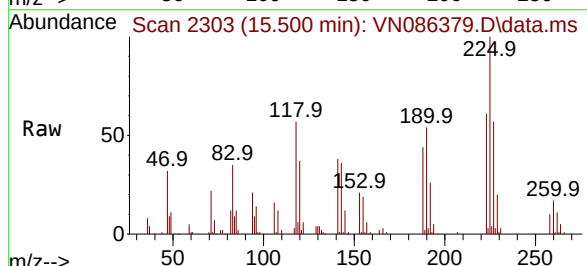
Tgt Ion:225 Resp: 91753

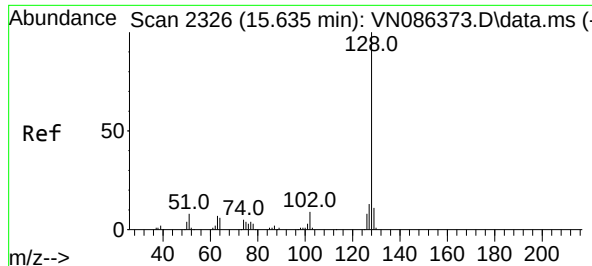
Ion Ratio Lower Upper

225 100

223 64.0 0.0 128.8

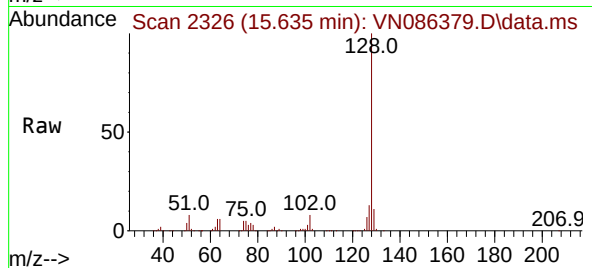
227 60.9 0.0 120.2





#91
Naphthalene
Concen: 109.005 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

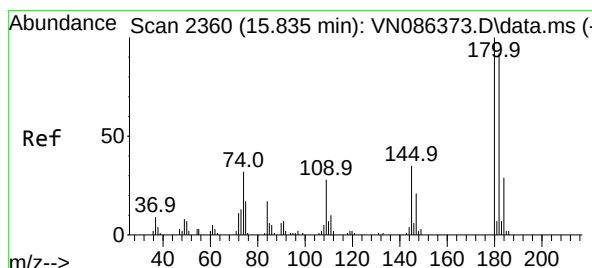
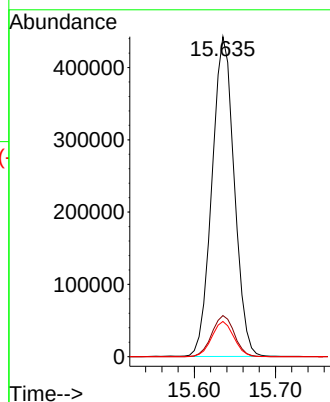
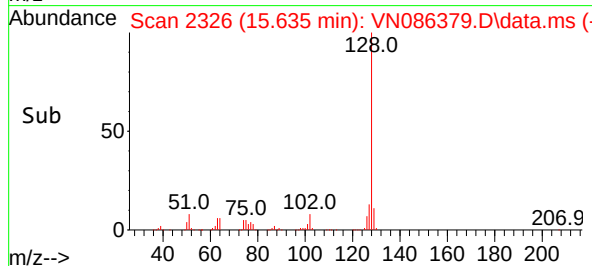
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100



Tgt Ion:128 Resp: 84346
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.7 13.1

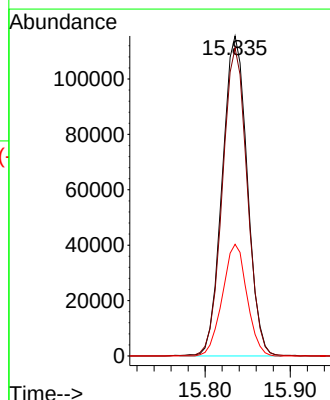
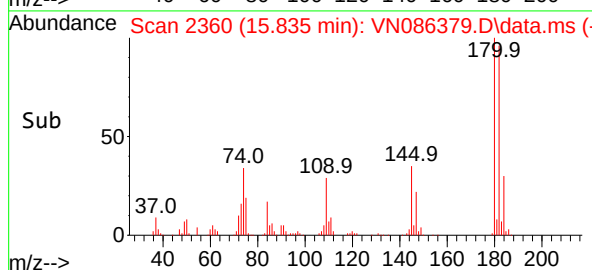
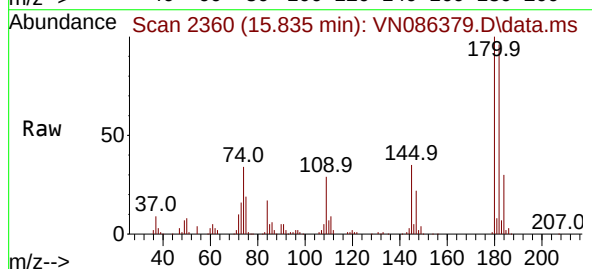
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 108.839 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086379.D
Acq: 23 Apr 2025 12:37

Tgt Ion:180 Resp: 235238
Ion Ratio Lower Upper
180 100
182 95.6 0.0 187.0
145 34.3 0.0 67.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086380.D
 Acq On : 23 Apr 2025 13:17
 Operator : JC\MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Apr 24 04:26:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 03:57:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

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

Internal Standards						
1) Bromochloromethane	7.812	128	29674	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	179504	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	166876	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	87437	30.562	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.867%			
60) 4-Bromofluorobenzene	12.847	95	97641	29.770	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.233%			
63) Toluene-d8	10.565	98	276249	30.090	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	107358	52.404	ug/l	97
3) Chloromethane	2.359	50	144331	49.597	ug/l	97
4) Vinyl Chloride	2.518	62	141400	50.732	ug/l	98
5) Bromomethane	2.959	94	72424	49.770	ug/l	98
6) Chloroethane	3.124	64	91726	49.365	ug/l	99
7) Trichlorofluoromethane	3.501	101	162157	49.289	ug/l	100
8) Diethyl Ether	3.959	74	70750	50.946	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	102250	50.555	ug/l	98
10) 1,1-Dichloroethene	4.342	96	102780	49.648	ug/l	98
11) Methyl Iodide	4.589	142	122357	50.515	ug/l	98
12) Methyl Acetate	5.018	43	151436	51.610	ug/l	99
13) Acrolein	4.183	56	29683	249.109	ug/l	99
14) Acrylonitrile	5.712	53	278286	254.827	ug/l	99
15) Acetone	4.424	58	77690	258.174	ug/l	92
16) Carbon Disulfide	4.712	76	274340	50.292	ug/l	99
17) Allyl chloride	5.018	41	163484	49.389	ug/l	98
18) Methylene Chloride	5.277	84	116658	49.484	ug/l	98
19) trans-1,2-Dichloroethene	5.783	96	108013	48.952	ug/l	98
20) Diisopropyl ether	6.665	45	393007	49.935	ug/l	97
21) 1,1-Dichloroethane	6.565	63	213535	49.565	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	135327	49.048	ug/l	98
23) tert-Butyl Alcohol	5.506	59	106272m	251.207	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	383808	50.180	ug/l	99
25) Chloroform	7.965	83	214558	49.209	ug/l	98
26) Cyclohexane	8.253	56	188609	49.583	ug/l #	98
29) 1,1-Dichloropropene	8.371	75	155965	49.286	ug/l	99
30) 2-Butanone	7.477	43	383786	249.867	ug/l	99
31) 2,2-Dichloropropane	7.488	77	198189	48.720	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	184336	48.747	ug/l	98
33) Carbon Tetrachloride	8.359	117	152652	49.037	ug/l	96
34) Benzene	8.600	78	490952	48.778	ug/l	97
35) Methacrylonitrile	7.777	41	86813	49.548	ug/l	98
36) 1,2-Dichloroethane	8.665	62	158575	48.526	ug/l	100
37) Trichloroethene	9.347	130	124838	49.545	ug/l	94
38) Methylcyclohexane	9.594	83	181341	49.617	ug/l	100
39) 1,2-Dichloropropane	9.618	63	120306	48.383	ug/l	92
40) Dibromomethane	9.706	93	80581	48.459	ug/l	98
41) Bromodichloromethane	9.882	83	173091	49.189	ug/l	99
42) Vinyl Acetate	6.600	43	1338201	251.508	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086380.D
 Acq On : 23 Apr 2025 13:17
 Operator : JC\MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:26:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 03:57:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	144287	47.469	ug/l	98
44) Isopropyl Acetate	8.683	43	280778	48.670	ug/l	100
45) 1,4-Dioxane	9.688	88	46027	1022.574	ug/l	96
46) Methyl methacrylate	9.677	41	131270	49.330	ug/l	98
47) n-amyl Acetate	12.488	43	239987	48.807	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	192520	48.936	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	203961	49.162	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	112938	48.624	ug/l	97
51) Ethyl methacrylate	10.871	69	200784	49.636	ug/l	99
52) 1,3-Dichloropropane	11.159	76	201557	49.100	ug/l	99
53) Dibromochloromethane	11.353	129	128697	49.346	ug/l	98
54) 1,2-Dibromoethane	11.465	107	115855	49.058	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	471469	247.901	ug/l	99
56) Bromoform	12.576	173	82968	49.022	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	796619	246.686	ug/l	99
59) 2-Hexanone	11.194	43	584307	245.533	ug/l	99
61) Tetrachloroethene	11.100	164	122738	48.223	ug/l	95
62) Toluene	10.624	91	545929	48.875	ug/l	100
64) Chlorobenzene	11.888	112	339409	48.765	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	113702	48.858	ug/l	99
66) Ethyl Benzene	11.959	91	612399	48.707	ug/l	100
67) m/p-Xylenes	12.065	106	462741	96.999	ug/l	99
68) o-Xylene	12.394	106	226822	48.560	ug/l	98
69) Styrene	12.406	104	389200	49.159	ug/l	100
70) Isopropylbenzene	12.694	105	570012	48.886	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	149879	48.818	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	132411m	49.772	ug/l	
73) Bromobenzene	12.976	156	131410	49.022	ug/l	99
74) n-propylbenzene	13.029	91	685930	49.506	ug/l	100
75) 2-Chlorotoluene	13.123	91	422956	48.900	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	471082	49.239	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	66192	48.728	ug/l	99
78) 4-Chlorotoluene	13.218	91	424764	49.115	ug/l	100
79) tert-butylbenzene	13.435	119	401738	49.030	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	481487	49.278	ug/l	98
81) sec-Butylbenzene	13.612	105	576401	49.282	ug/l	99
82) p-Isopropyltoluene	13.723	119	486348	49.693	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	253600	50.046	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	247938	49.523	ug/l	99
85) n-Butylbenzene	14.053	91	437654	50.116	ug/l	99
86) Hexachloroethane	14.329	117	78086	48.794	ug/l	99
87) 1,2-Dichlorobenzene	14.100	146	239253	49.621	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	31467	50.425	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	115517	52.567	ug/l	99
90) Hexachlorobutadiene	15.494	225	45907	51.862	ug/l	98
91) Naphthalene	15.635	128	416250	52.908	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	115517	52.567	ug/l	99

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

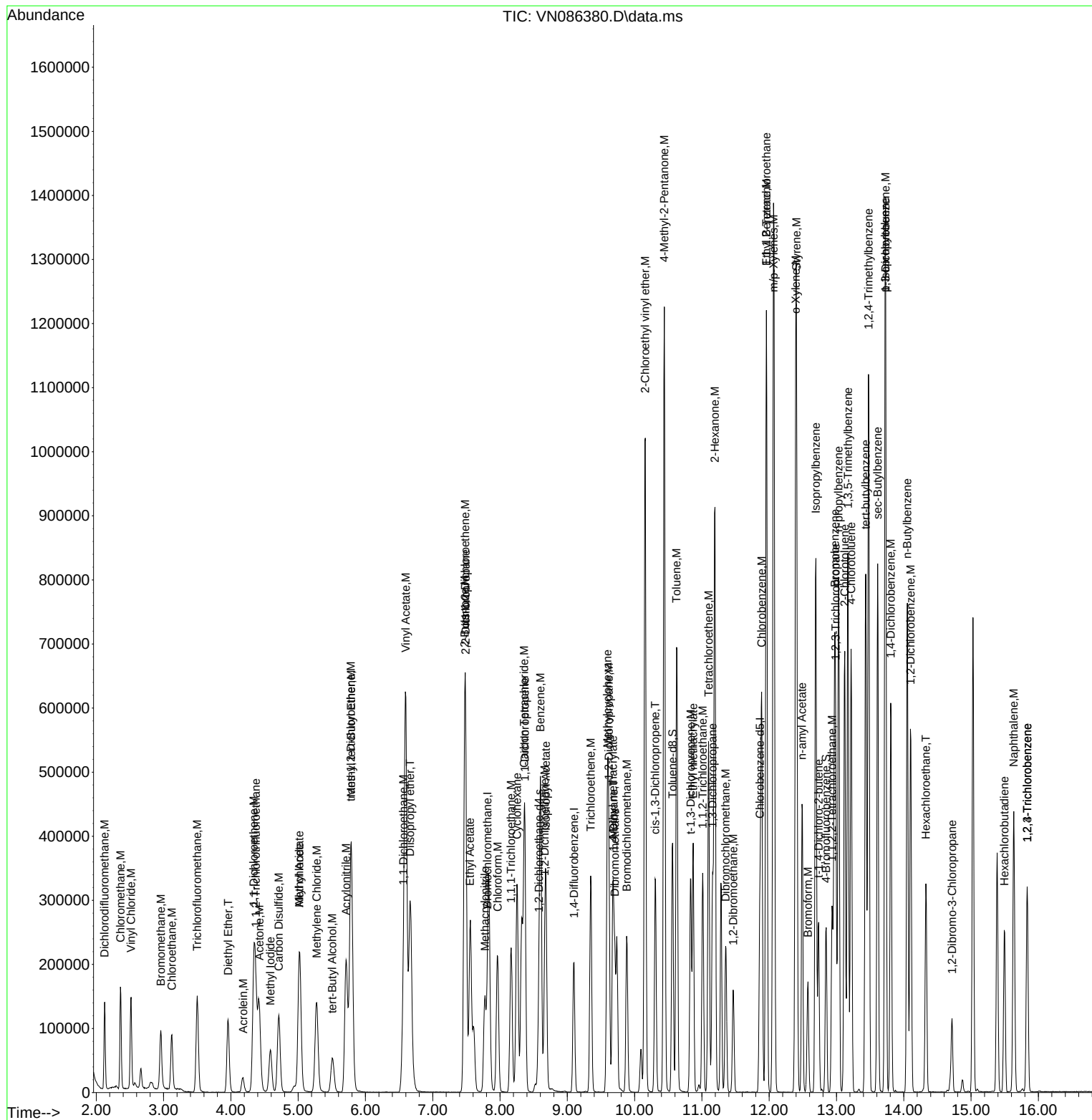
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Data File : VN086380.D  
Acq On    : 23 Apr 2025  13:17  
Operator  : JC\MD  
Sample    : VSTDIC050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 10   Sample Multiplier: 1
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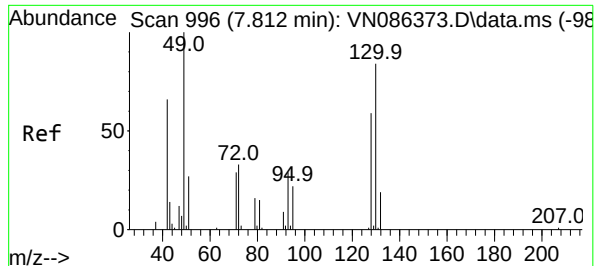
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

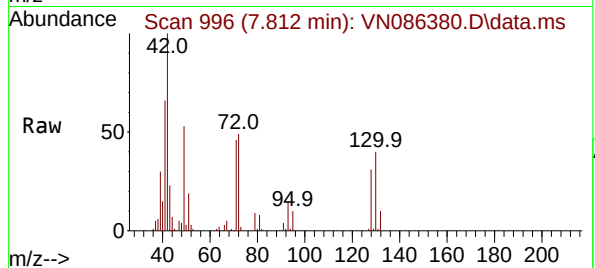
Quant Time: Apr 24 04:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

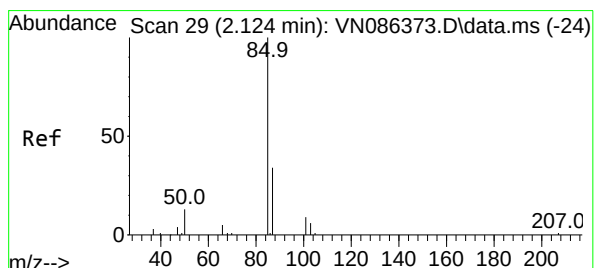
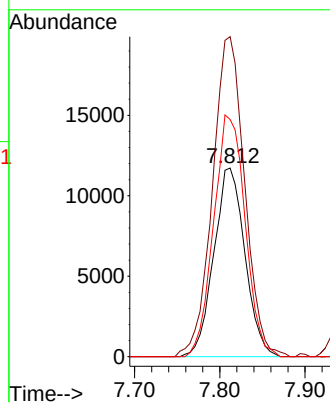
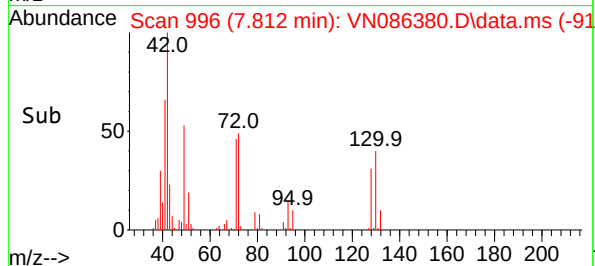
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion	Ratio	Lower	Upper
128	100		
49	175.4	0.0	433.8
130	129.9	0.0	325.0

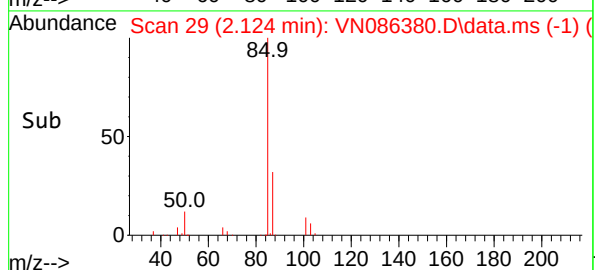
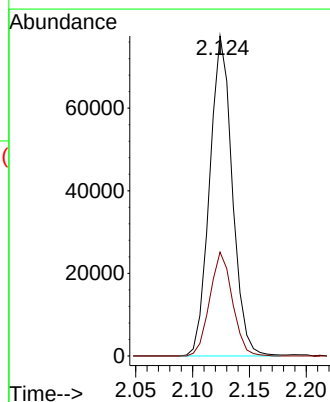
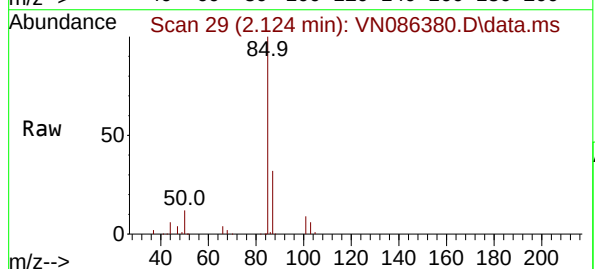
Manual Integrations
APPROVED

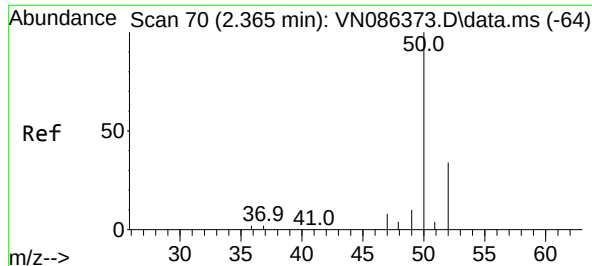
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#2
Dichlorodifluoromethane
Concen: 52.404 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.0	50.9





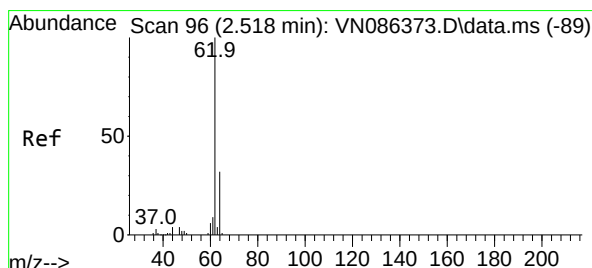
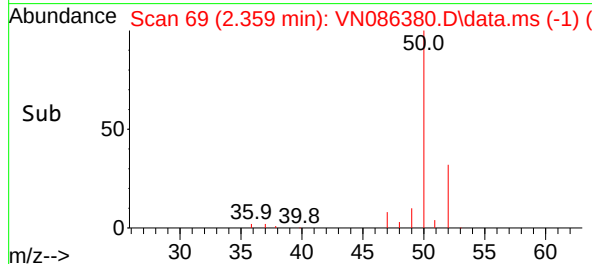
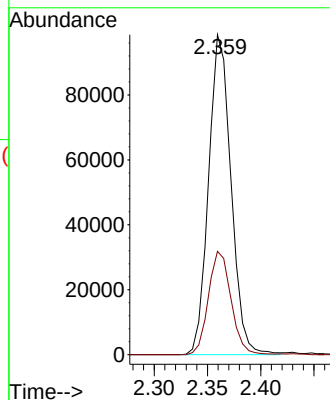
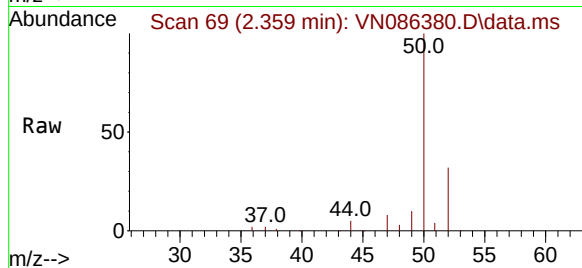
#3
Chloromethane
Concen: 49.597 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 50 Resp: 14433
Ion Ratio Lower Upper
50 100
52 32.3 27.3 40.9

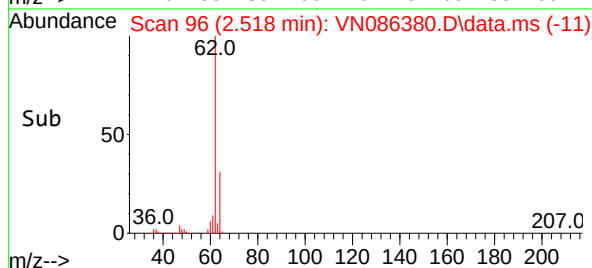
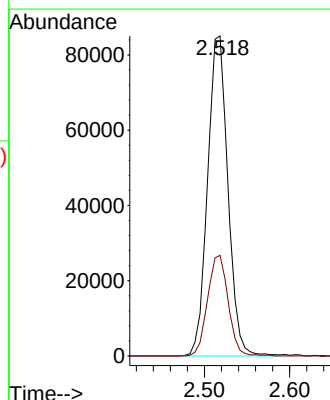
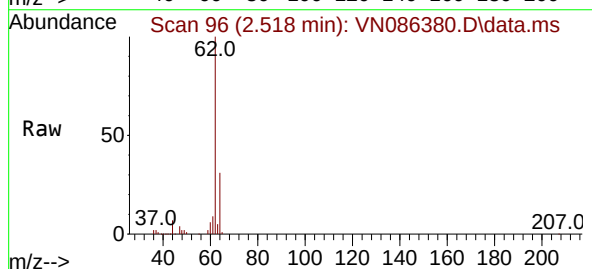
Manual Integrations
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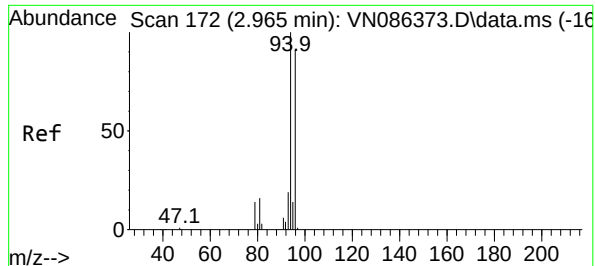
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#4
Vinyl Chloride
Concen: 50.732 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion: 62 Resp: 141400
Ion Ratio Lower Upper
62 100
64 31.4 25.8 38.8





#5

Bromomethane

Concen: 49.770 ug/l

RT: 2.959 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 94 Resp: 72424

Ion Ratio Lower Upper

94 100

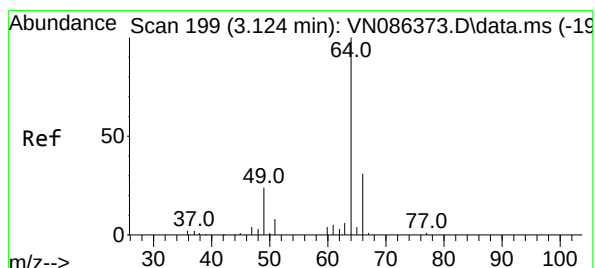
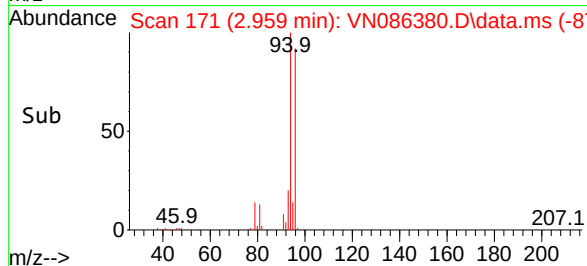
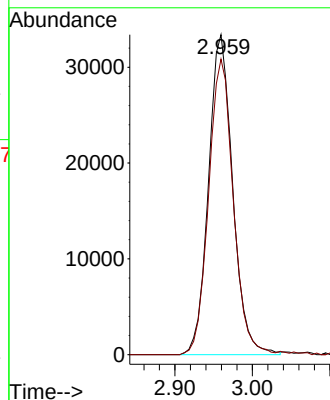
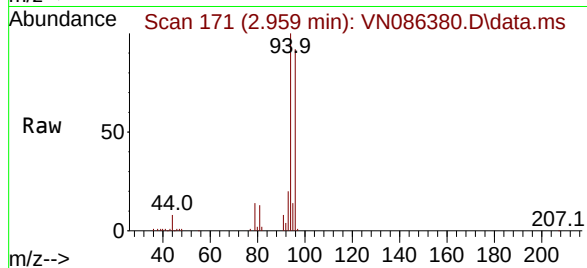
96 92.4 72.4 108.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#6

Chloroethane

Concen: 49.365 ug/l

RT: 3.124 min Scan# 199

Delta R.T. 0.000 min

Lab File: VN086380.D

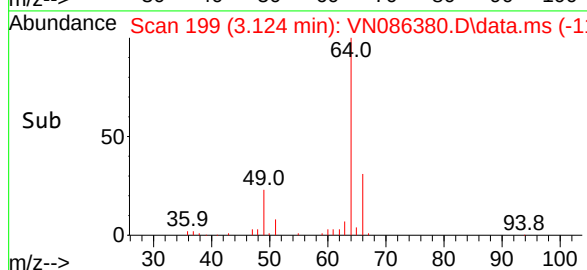
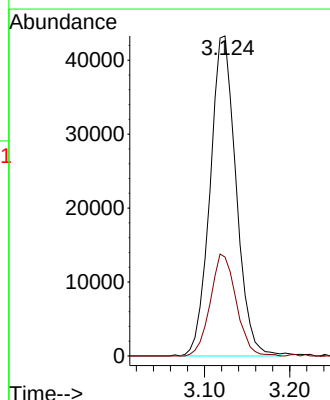
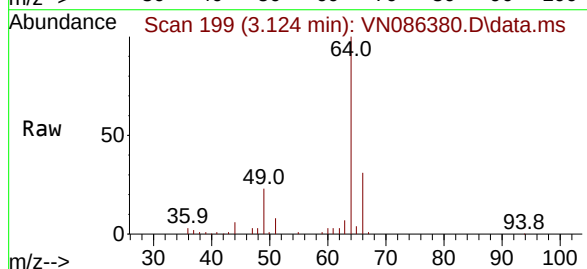
Acq: 23 Apr 2025 13:17

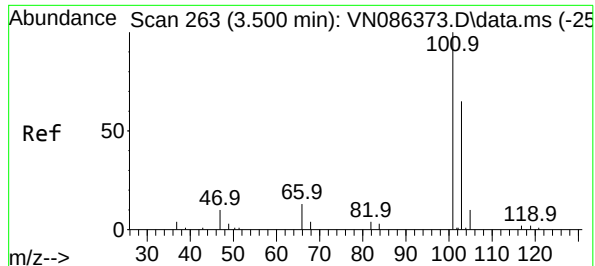
Tgt Ion: 64 Resp: 91726

Ion Ratio Lower Upper

64 100

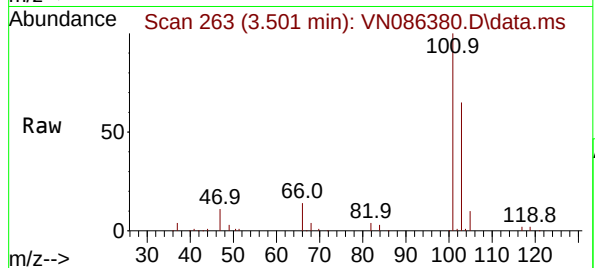
66 30.9 24.5 36.7





#7
Trichlorofluoromethane
Concen: 49.289 ug/l
RT: 3.501 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

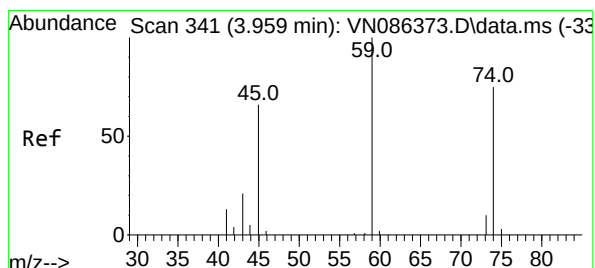
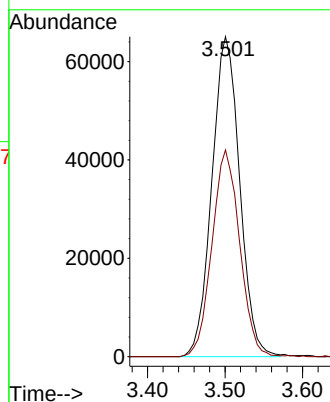
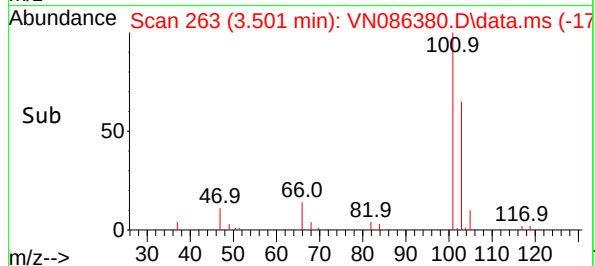
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:101 Resp: 16215
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6

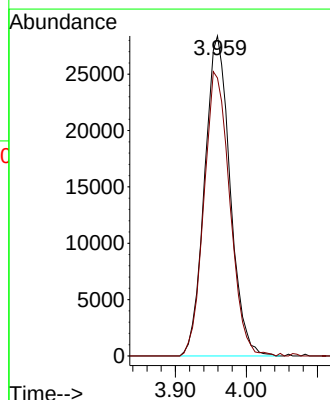
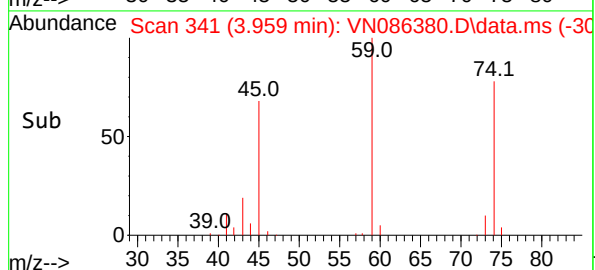
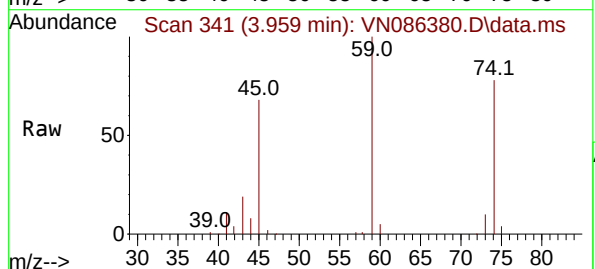
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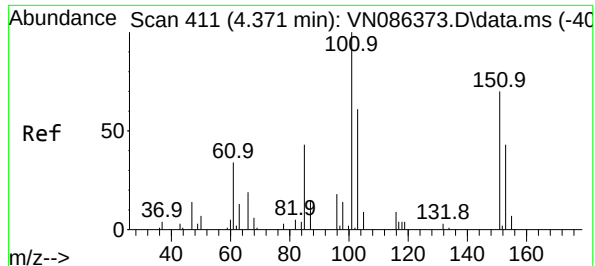
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#8
Diethyl Ether
Concen: 50.946 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion: 74 Resp: 70750
Ion Ratio Lower Upper
74 100
45 89.9 18.5 166.3





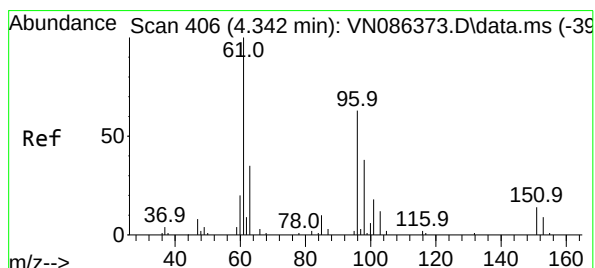
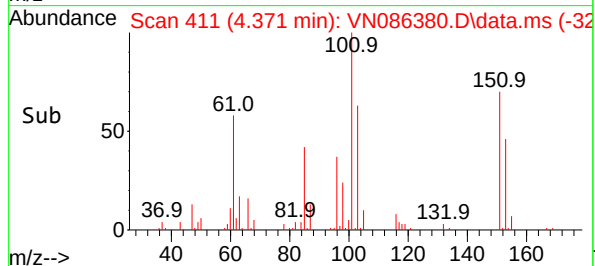
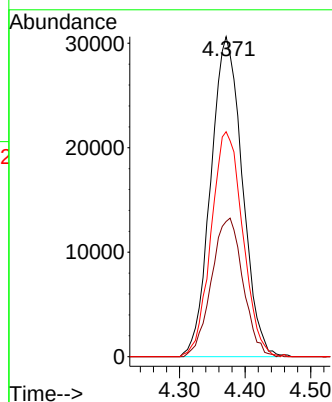
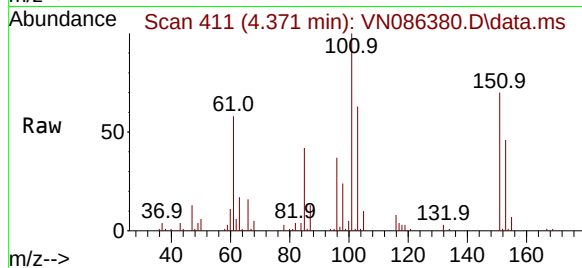
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.555 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:101 Resp: 102250
Ion Ratio Lower Upper
101 100
85 43.3 0.0 84.4
151 70.5 0.0 145.8

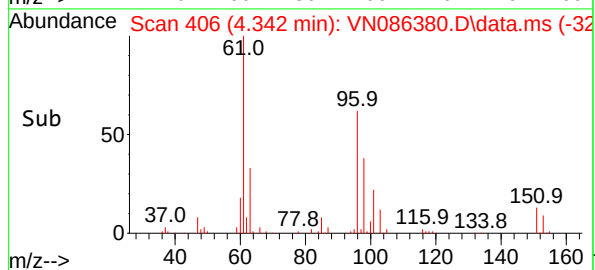
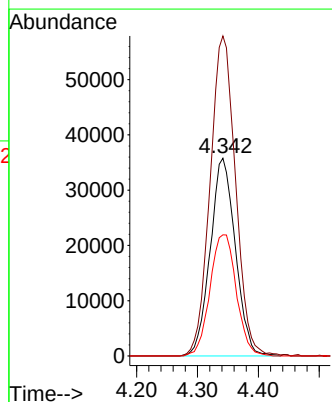
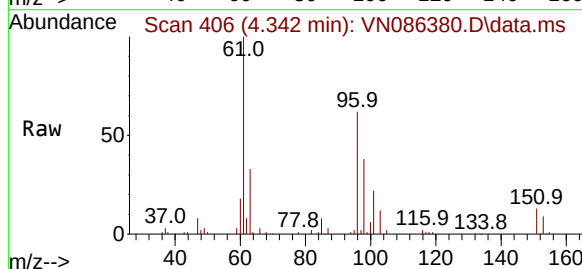
Manual Integrations
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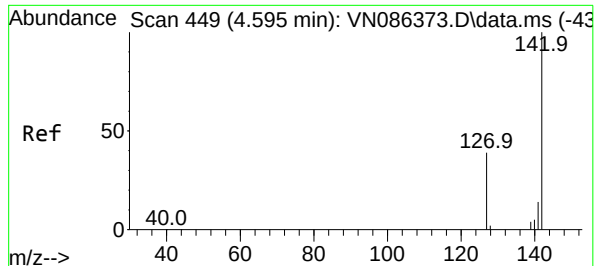
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#10
1,1-Dichloroethene
Concen: 49.648 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

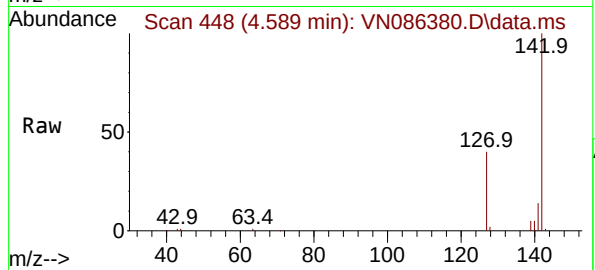
Tgt Ion: 96 Resp: 102780
Ion Ratio Lower Upper
96 100
61 161.9 126.2 189.4
98 61.3 48.5 72.7





#11
Methyl Iodide
Concen: 50.515 ug/l
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

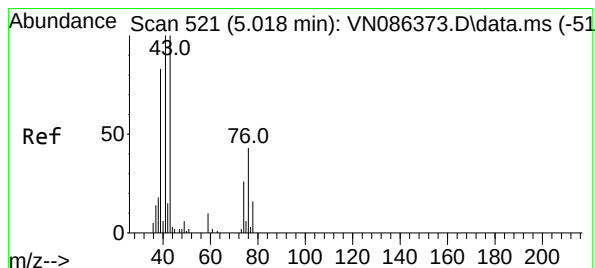
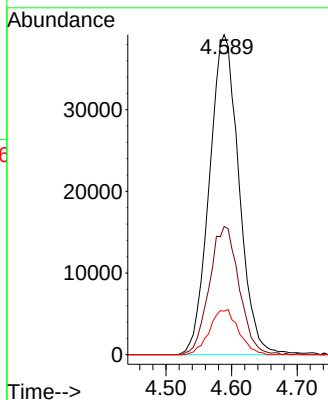
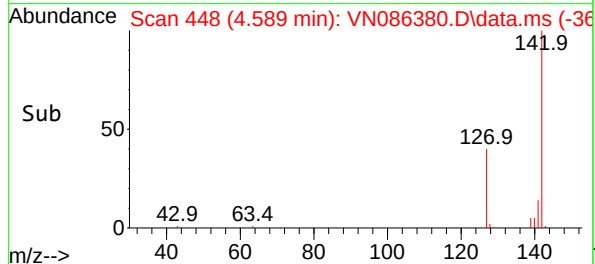
Instrument :
MSVOA_N
Client Sample Id :
VSTDICC050



Tgt Ion: 142 Resp: 12235
Ion Ratio Lower Upper
142 100
127 40.0 19.3 57.9
141 13.7 7.1 21.3

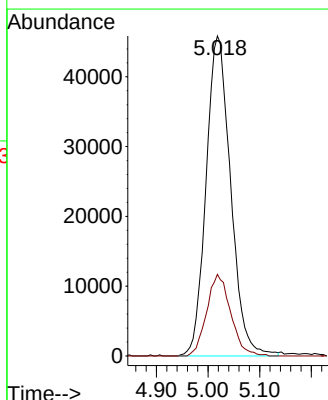
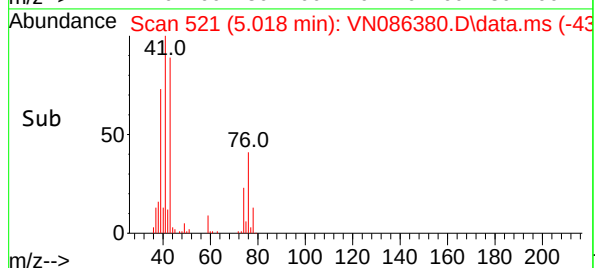
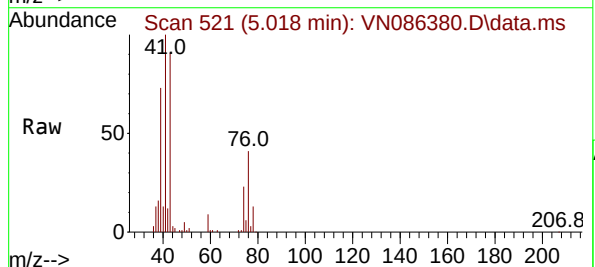
Manual Integrations
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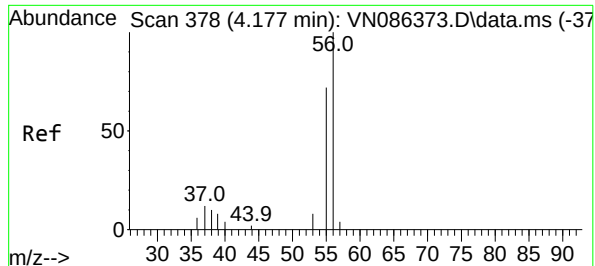
Reviewed By : John Carlone 04/24/2025
Supervised By : Mahesh Dadoda 04/25/2025



#12
Methyl Acetate
Concen: 51.610 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion: 43 Resp: 151436
Ion Ratio Lower Upper
43 100
74 25.6 20.8 31.2





#13

Acrolein

Concen: 249.109 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 56 Resp: 2968

Ion Ratio Lower Upper

56 100

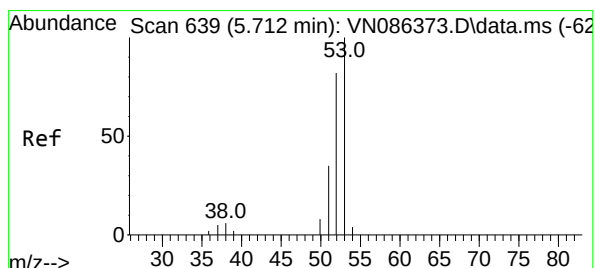
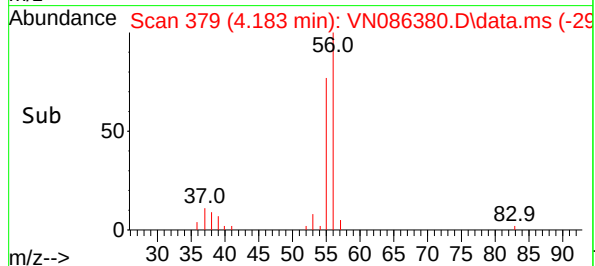
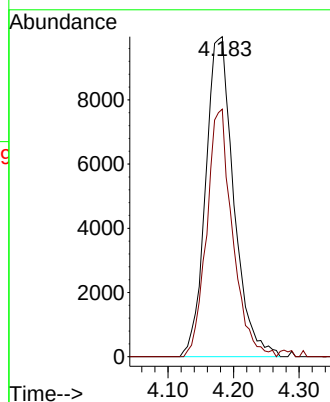
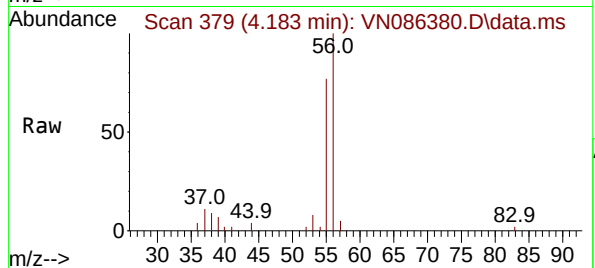
55 70.9 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#14

Acrylonitrile

Concen: 254.827 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

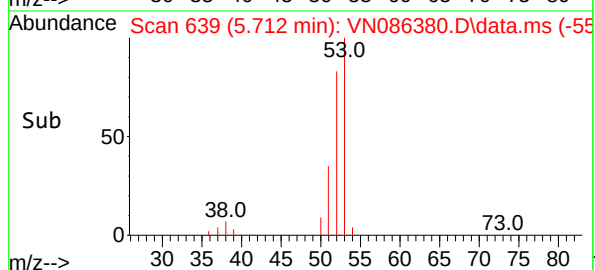
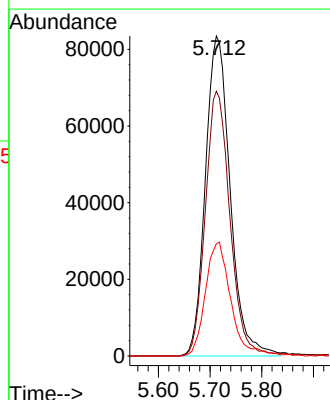
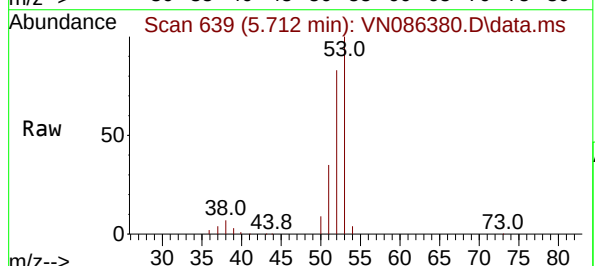
Tgt Ion: 53 Resp: 278286

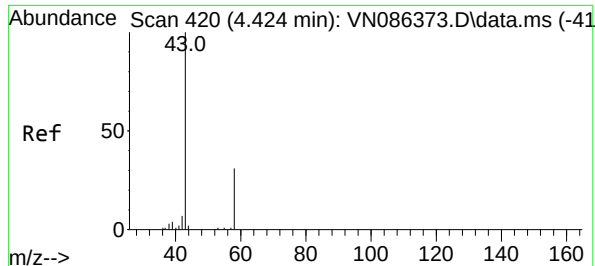
Ion Ratio Lower Upper

53 100

52 81.1 41.2 123.6

51 35.1 17.6 52.8





#15

Acetone

Concen: 258.174 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC050

Tgt Ion: 58 Resp: 77690

Ion Ratio Lower Upper

58 100

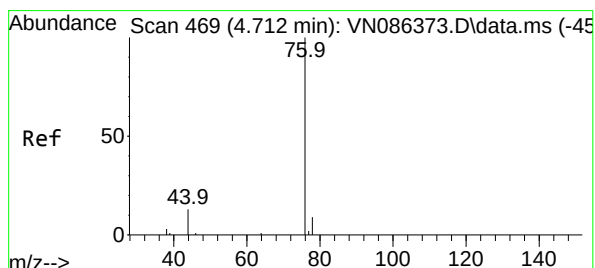
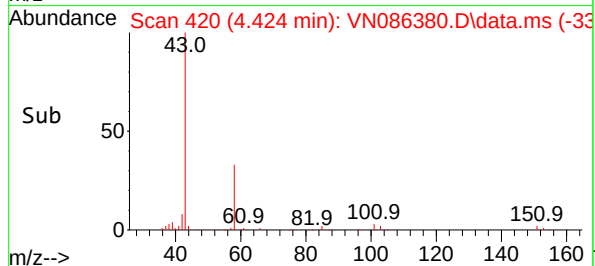
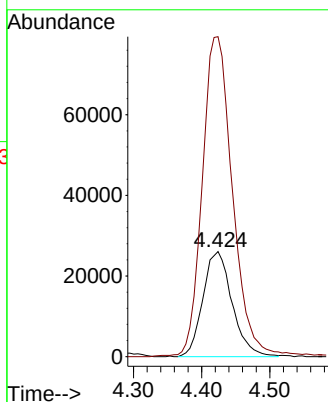
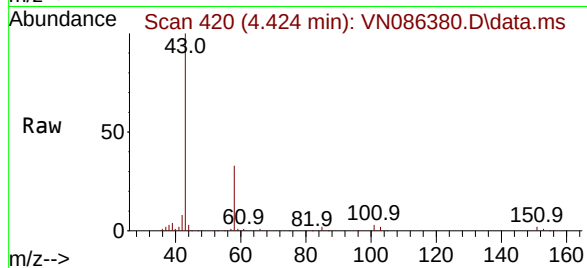
43 302.5 255.1 382.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#16

Carbon Disulfide

Concen: 50.292 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.000 min

Lab File: VN086380.D

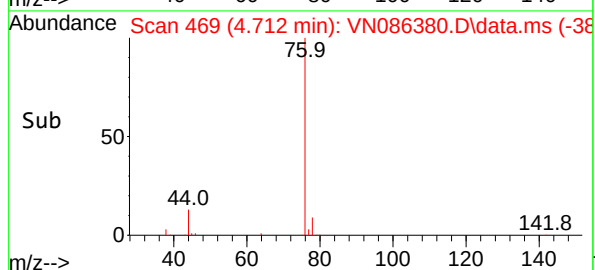
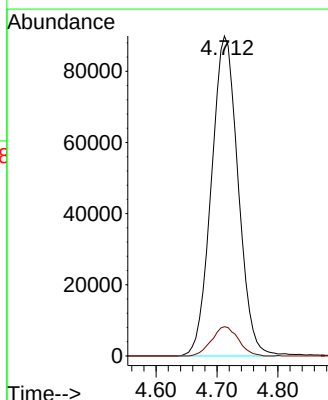
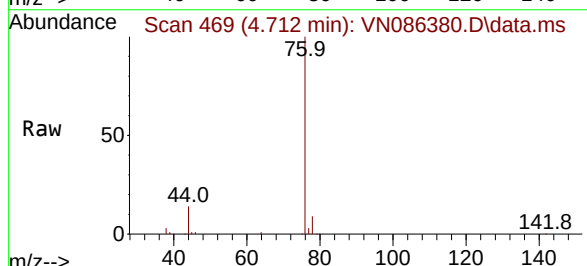
Acq: 23 Apr 2025 13:17

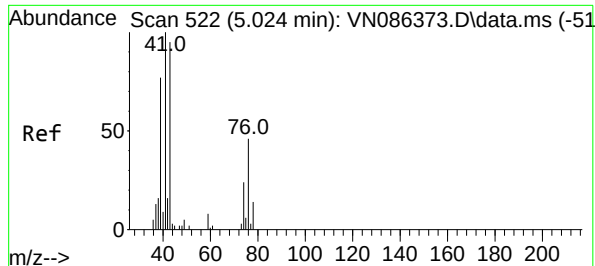
Tgt Ion: 76 Resp: 274340

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#17

Allyl chloride

Concen: 49.389 ug/l

RT: 5.018 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 41 Resp: 163484

Ion Ratio Lower Upper

41 100

39 72.9 36.7 110.1

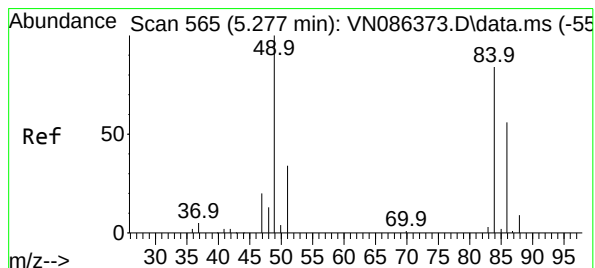
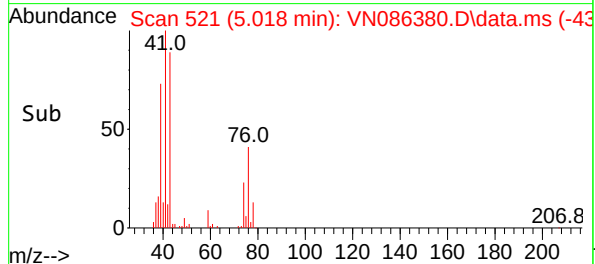
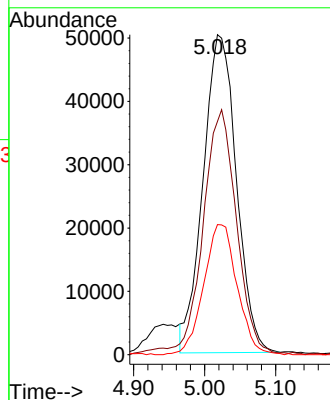
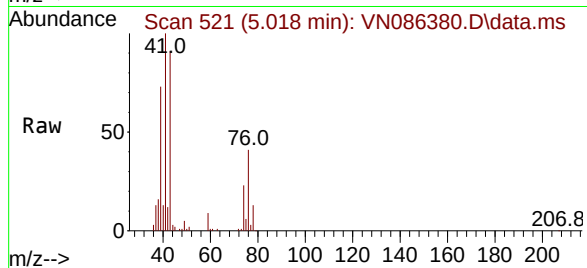
76 40.6 21.8 65.4

Manual Integrations

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Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#18

Methylene Chloride

Concen: 49.484 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Tgt Ion: 84 Resp: 116658

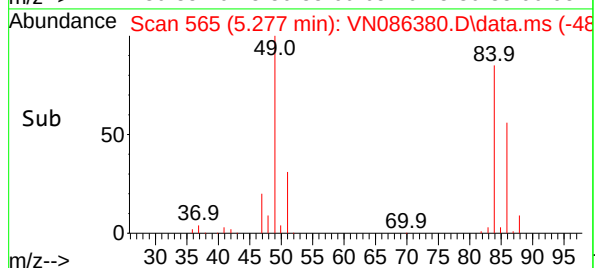
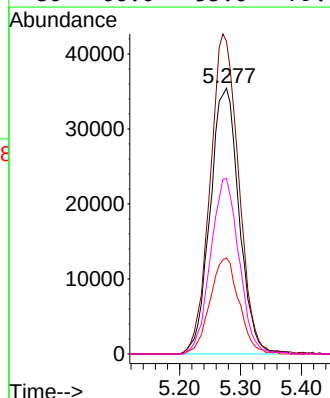
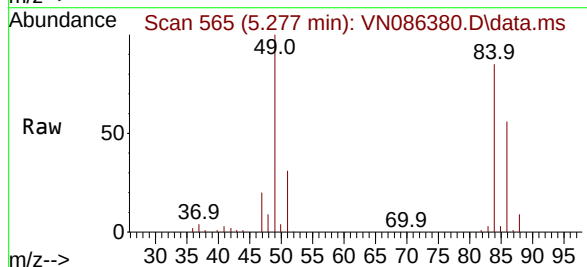
Ion Ratio Lower Upper

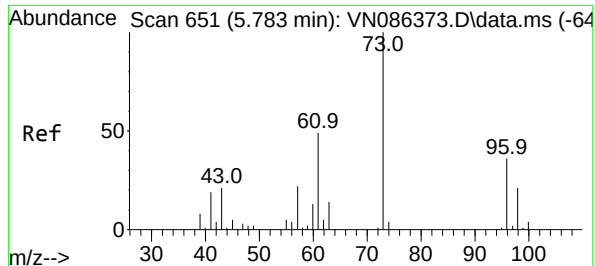
84 100

49 117.7 95.4 143.0

51 36.1 32.8 49.2

86 66.0 53.0 79.4





#19

trans-1,2-Dichloroethene

Concen: 48.952 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 96 Resp: 10801

Ion Ratio Lower Upper

96 100

61 133.8 107.3 160.9

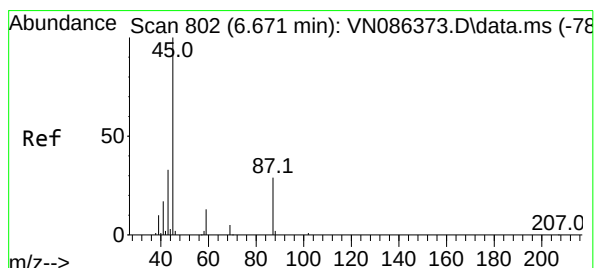
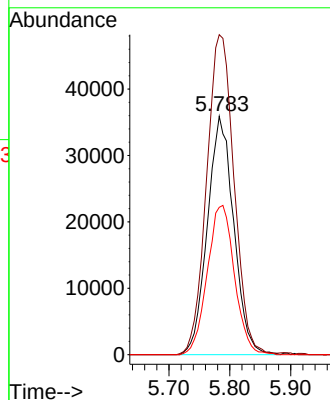
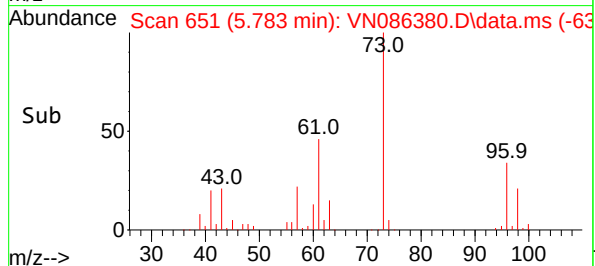
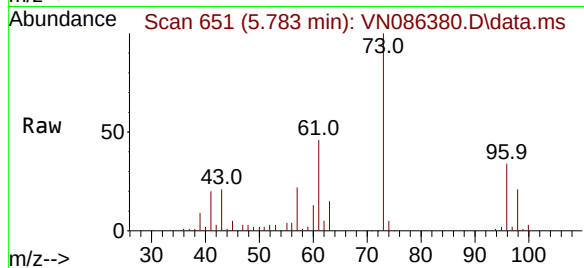
98 61.8 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#20

Diisopropyl ether

Concen: 49.935 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.006 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Tgt Ion: 45 Resp: 393007

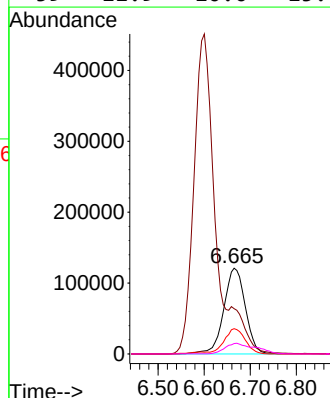
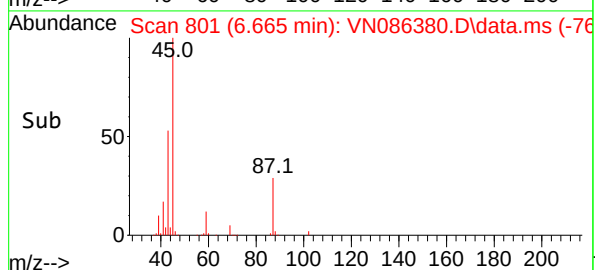
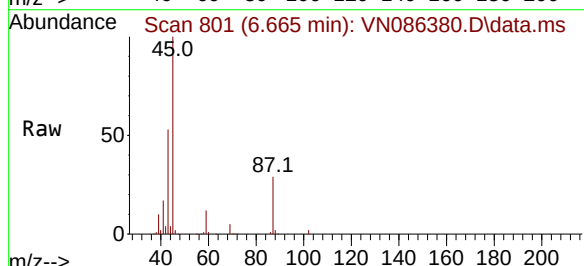
Ion Ratio Lower Upper

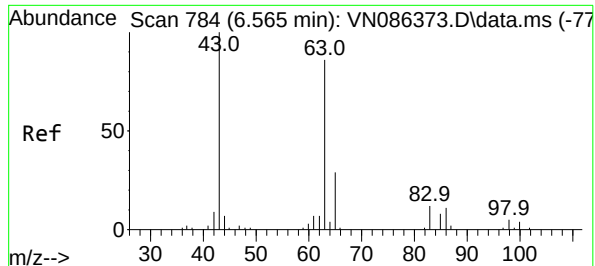
45 100

43 51.6 38.8 58.2

87 29.4 23.5 35.3

59 11.9 10.0 15.0





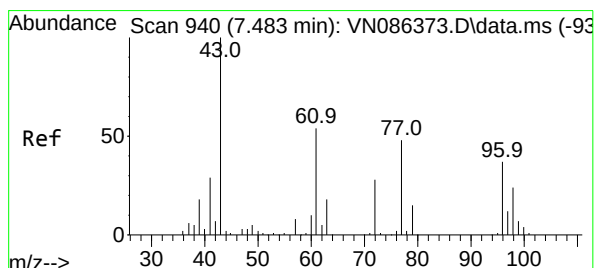
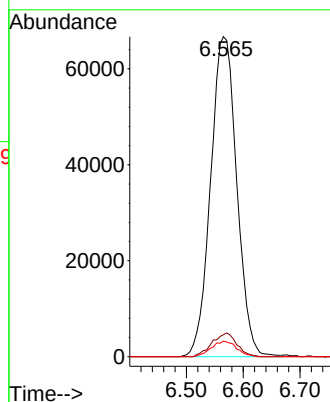
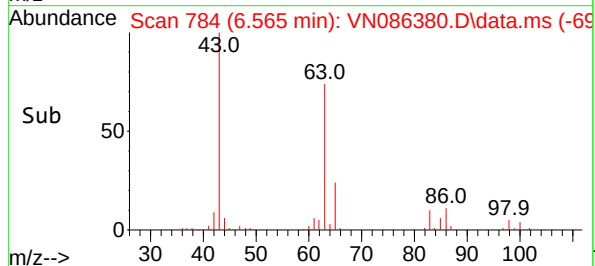
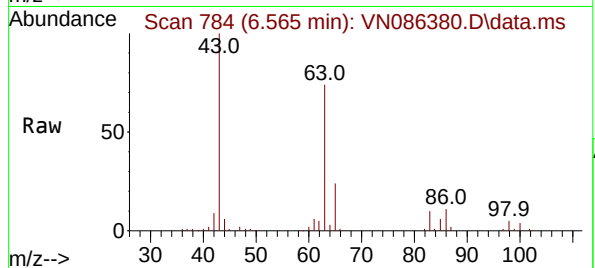
#21
1,1-Dichloroethane
Concen: 49.565 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion: 63 Resp: 21353
Ion Ratio Lower Upper
63 100
98 6.9 3.0 9.2
100 4.8 2.3 6.8

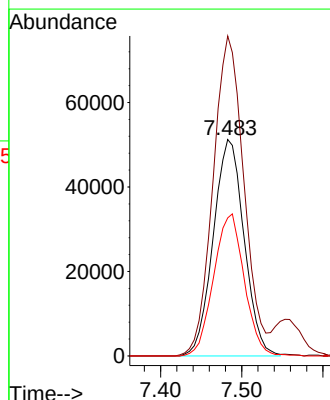
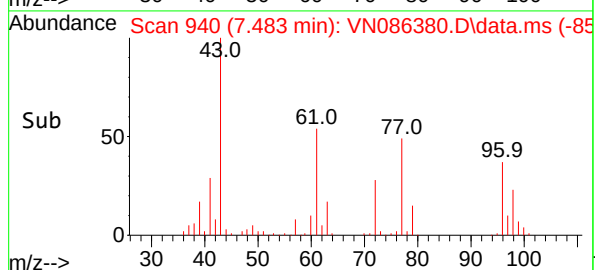
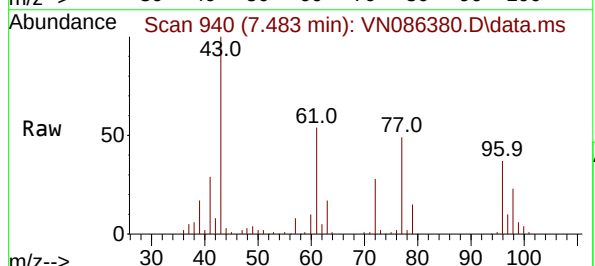
Manual Integrations
APPROVED

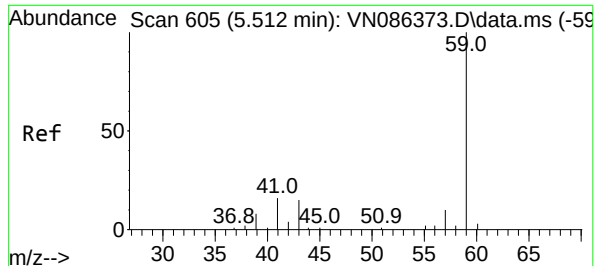
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#22
cis-1,2-Dichloroethene
Concen: 49.048 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

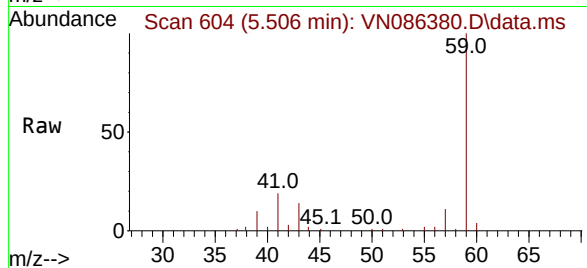
Tgt Ion: 96 Resp: 135327
Ion Ratio Lower Upper
96 100
61 147.5 120.6 181.0
98 64.9 51.8 77.6





#23
tert-Butyl Alcohol
Concen: 251.207 ug/l m
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

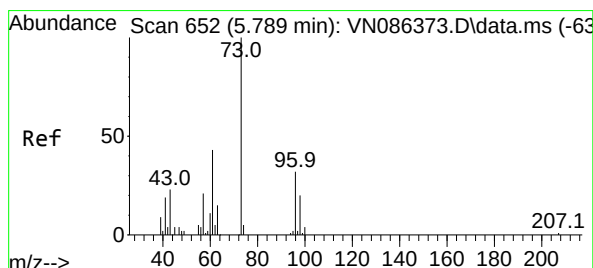
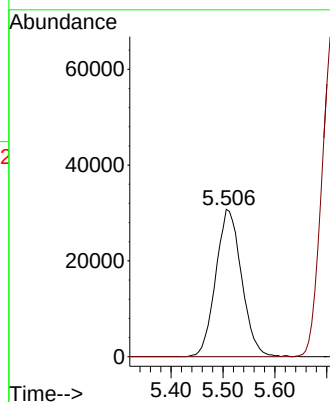
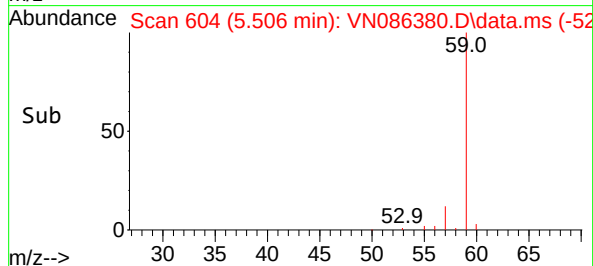
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 59 Resp: 106272
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

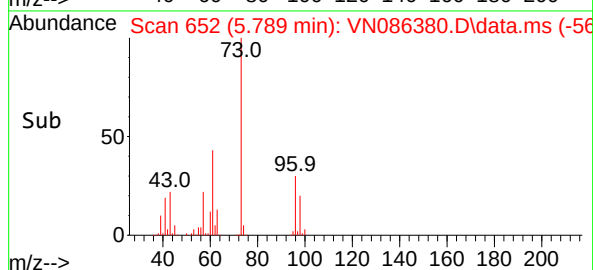
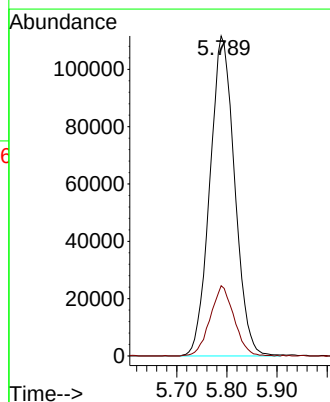
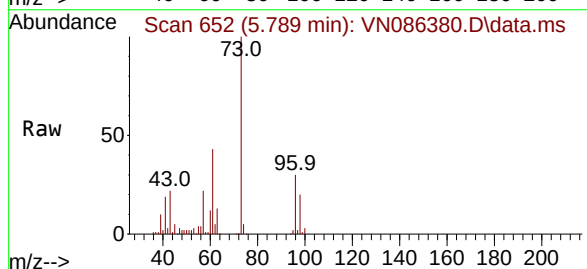
Manual Integrations
APPROVED

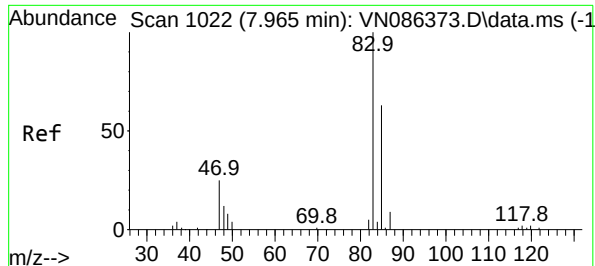
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#24
Methyl tert-Butyl Ether
Concen: 50.180 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion: 73 Resp: 383808
Ion Ratio Lower Upper
73 100
43 21.1 17.1 25.7





#25

Chloroform

Concen: 49.209 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 83 Resp: 214558

Ion Ratio Lower Upper

83 100

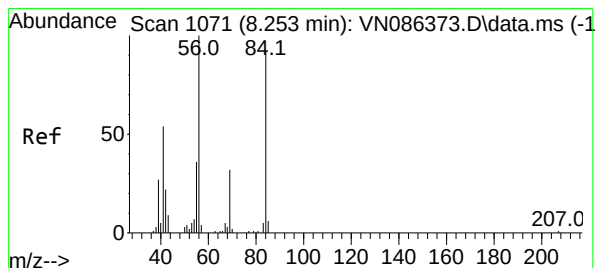
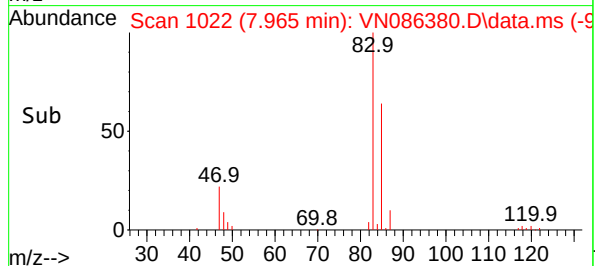
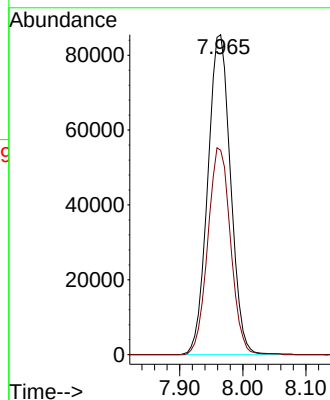
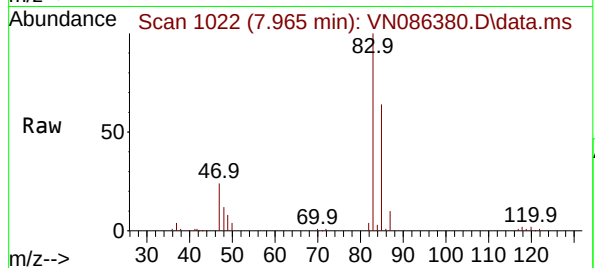
85 63.9 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#26

Cyclohexane

Concen: 49.583 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

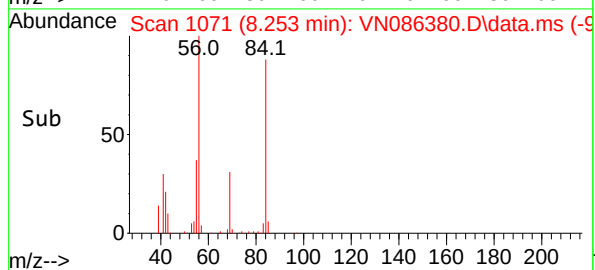
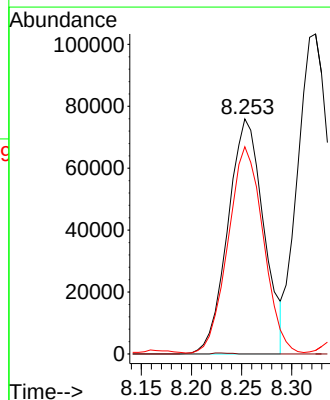
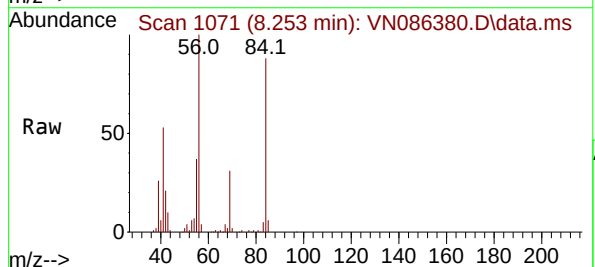
Tgt Ion: 56 Resp: 188609

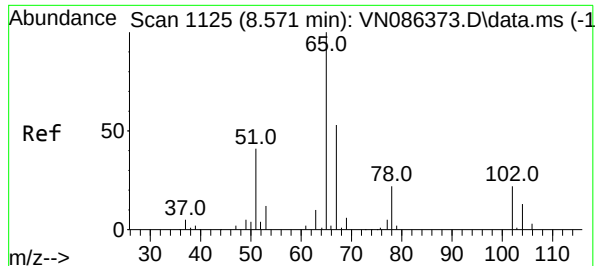
Ion Ratio Lower Upper

56 100

89 0.2 0.0 0.0#

84 87.3 71.5 107.3





#27

1,2-Dichloroethane-d4

Concen: 30.562 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 65 Resp: 8743

Ion Ratio Lower Upper

65 100

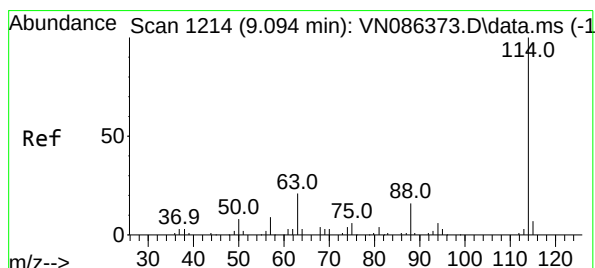
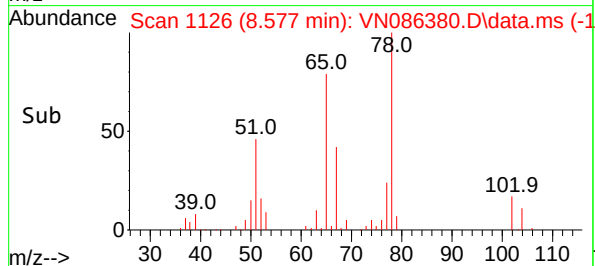
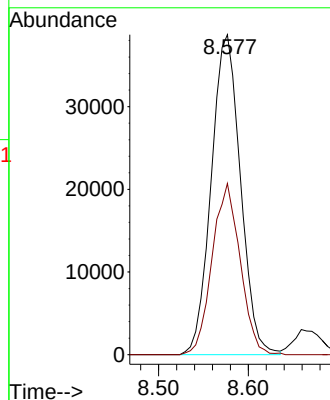
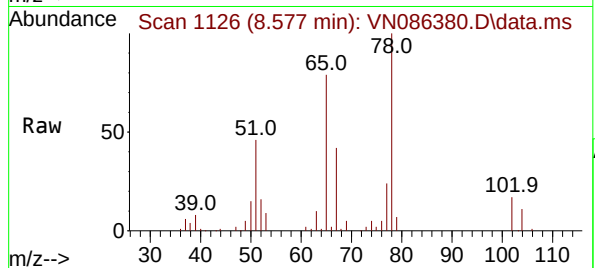
67 51.2 42.5 63.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

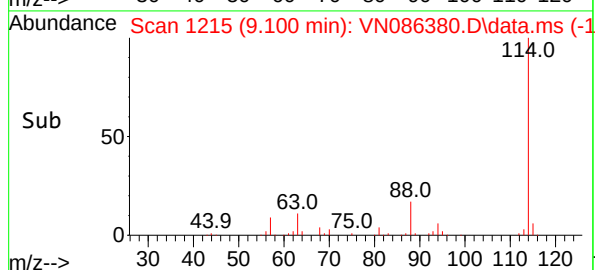
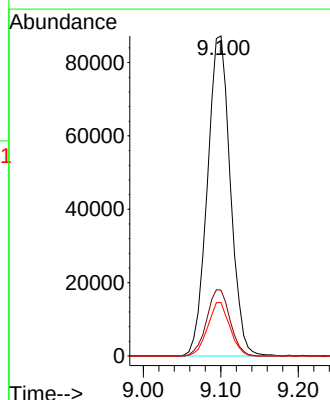
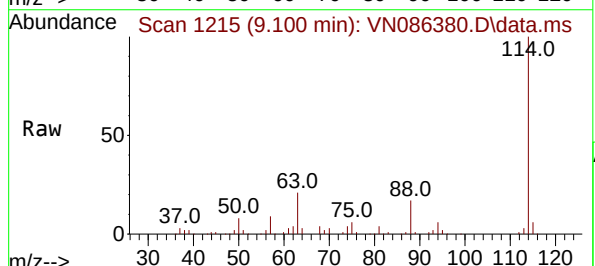
Tgt Ion:114 Resp: 179504

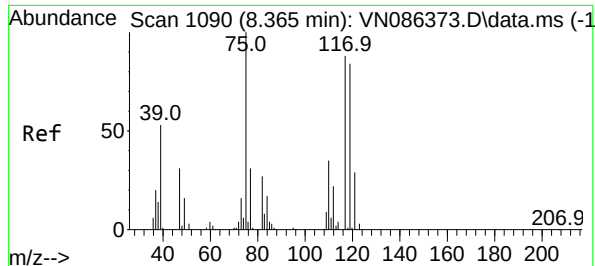
Ion Ratio Lower Upper

114 100

63 21.0 16.7 25.1

88 16.1 12.6 19.0





#29

1,1-Dichloropropene

Concen: 49.286 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 75 Resp: 15596

Ion Ratio Lower Upper

75 100

110 34.1 0.0 68.0

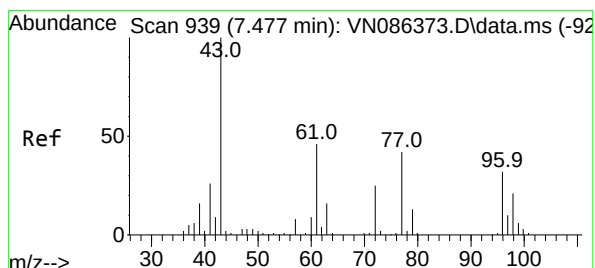
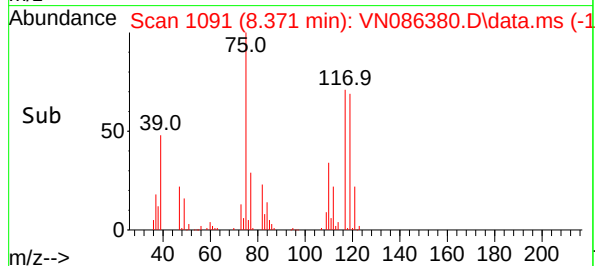
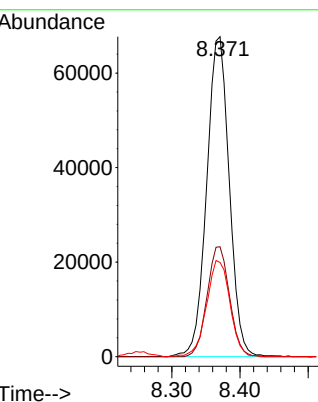
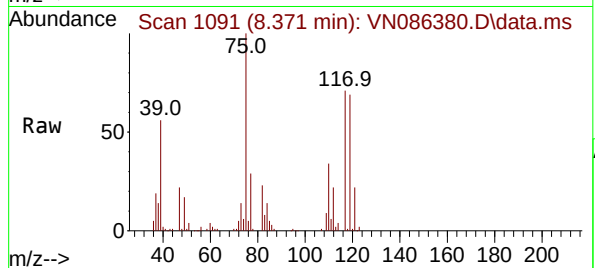
77 31.2 0.0 61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#30

2-Butanone

Concen: 249.867 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

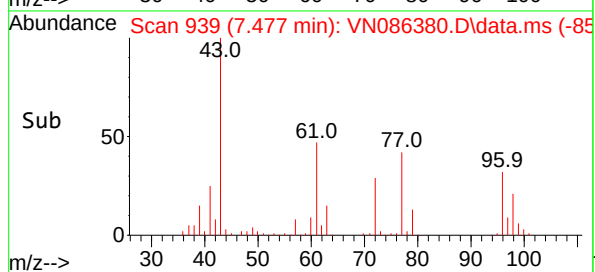
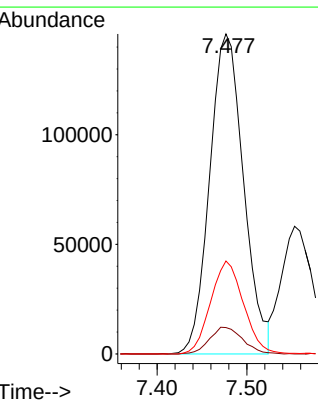
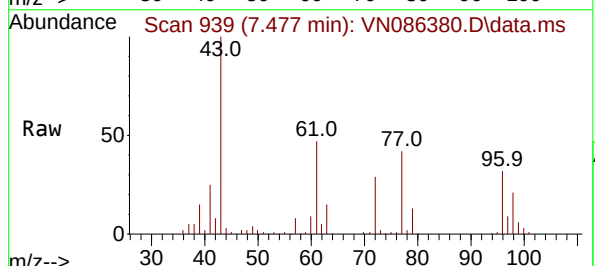
Tgt Ion: 43 Resp: 383786

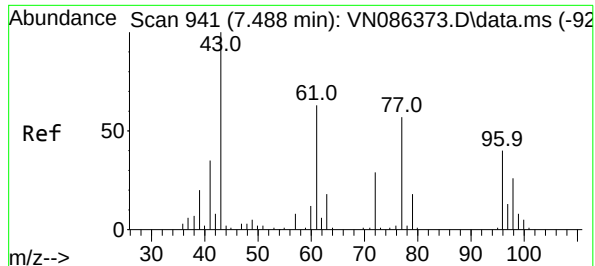
Ion Ratio Lower Upper

43 100

57 8.2 6.6 10.0

72 28.1 22.2 33.4





#31

2,2-Dichloropropane

Concen: 48.720 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 77 Resp: 198189

Ion Ratio Lower Upper

77 100

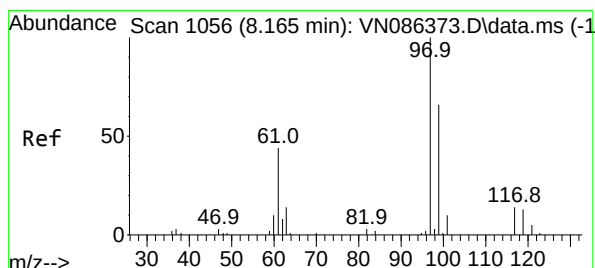
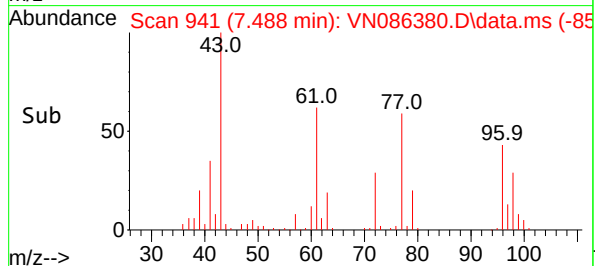
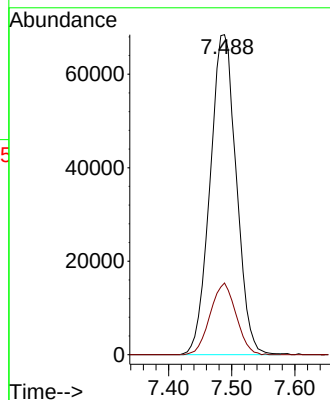
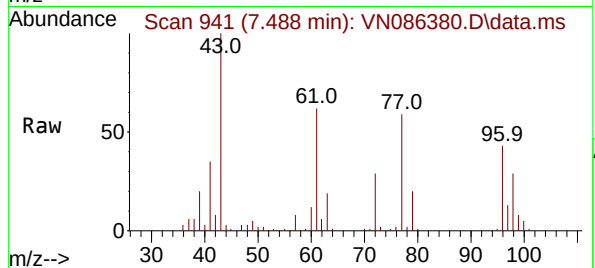
97 22.0 18.2 27.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#32

1,1,1-Trichloroethane

Concen: 48.747 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

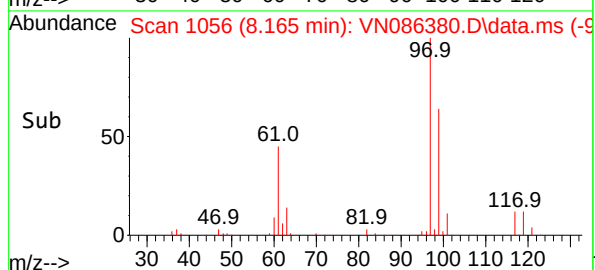
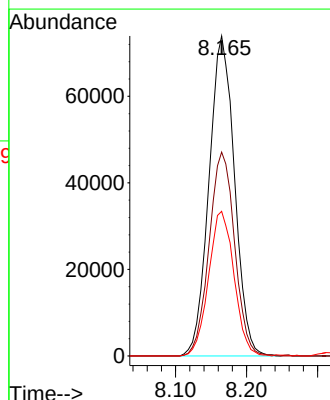
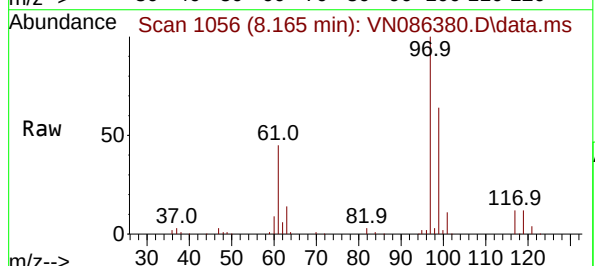
Tgt Ion: 97 Resp: 184336

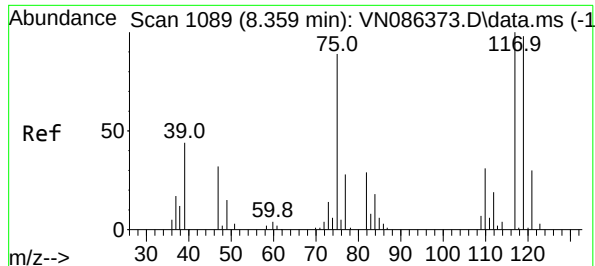
Ion Ratio Lower Upper

97 100

99 63.8 52.6 79.0

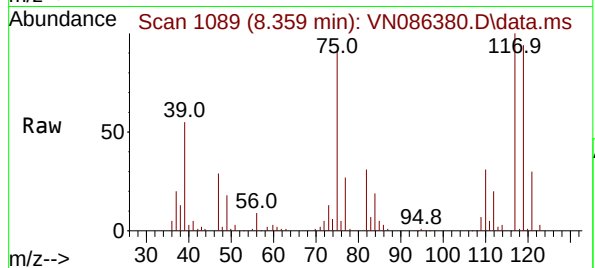
61 45.1 36.4 54.6





#33
Carbon Tetrachloride
Concen: 49.037 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

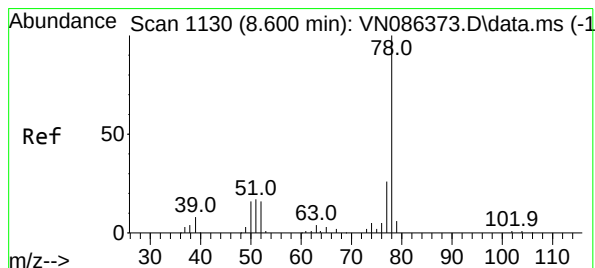
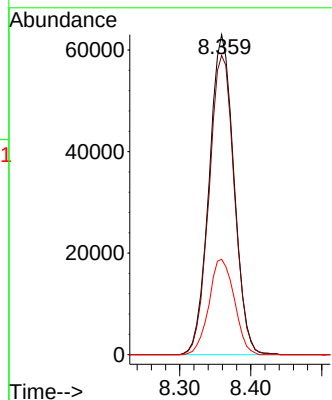
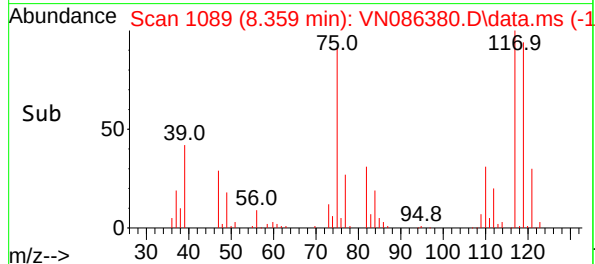
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 117 Resp: 152652
Ion Ratio Lower Upper
117 100
119 93.5 78.6 117.8
121 29.8 24.0 36.0

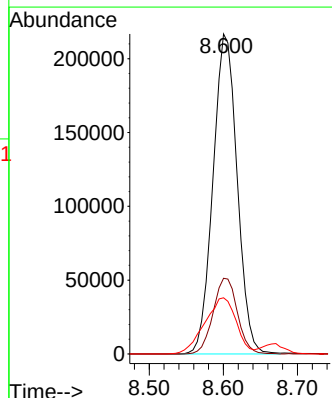
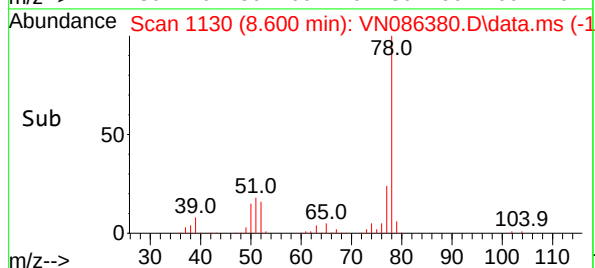
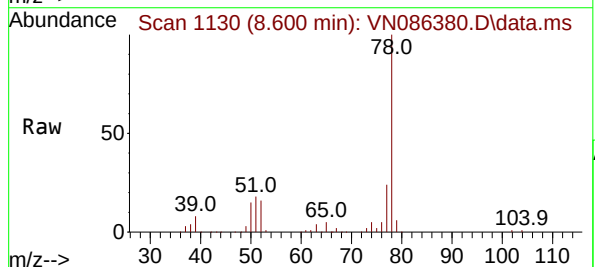
Manual Integrations
APPROVED

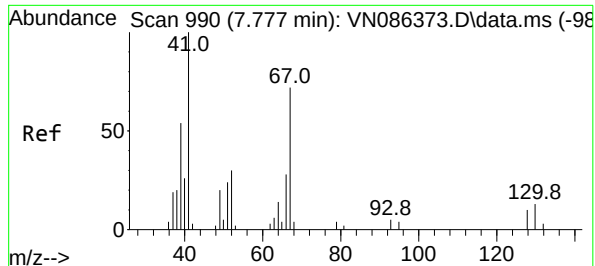
Reviewed By : John Carlone 04/24/2025
Supervised By : Mahesh Dadoda 04/25/2025



#34
Benzene
Concen: 48.778 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion: 78 Resp: 490952
Ion Ratio Lower Upper
78 100
77 23.6 20.8 31.2
51 17.0 14.0 21.0





#35

Methacrylonitrile

Concen: 49.548 ug/l

RT: 7.777 min Scan# 990

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 41 Resp: 8681

Ion Ratio Lower Upper

41 100

39 54.3 27.0 80.8

67 75.4 35.8 107.3

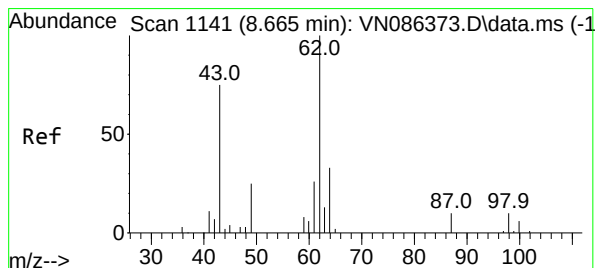
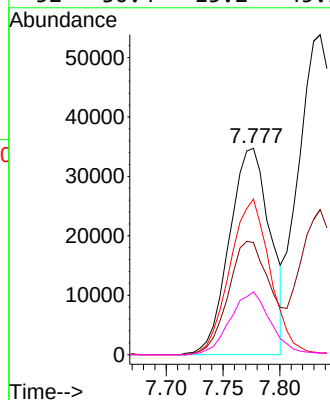
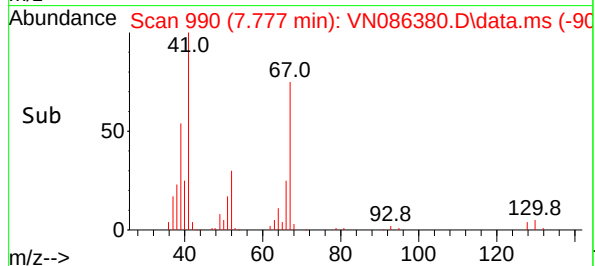
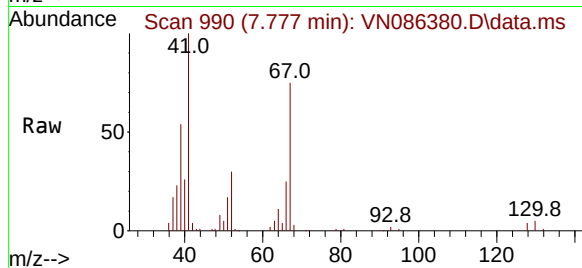
52 30.4 15.2 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#36

1,2-Dichloroethane

Concen: 48.526 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VN086380.D

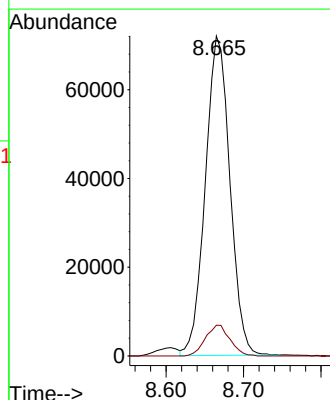
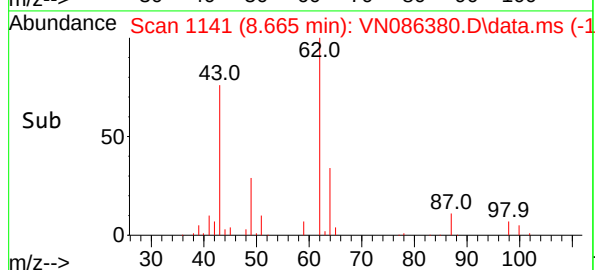
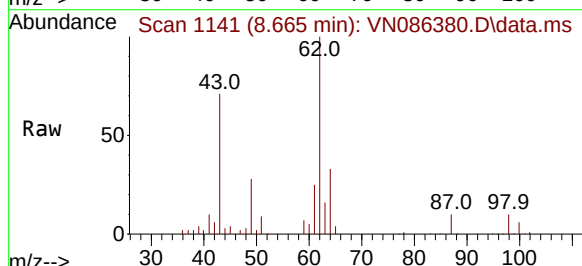
Acq: 23 Apr 2025 13:17

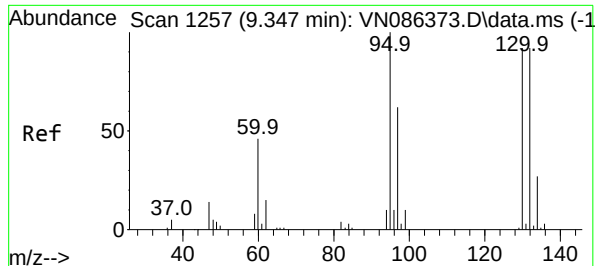
Tgt Ion: 62 Resp: 158575

Ion Ratio Lower Upper

62 100

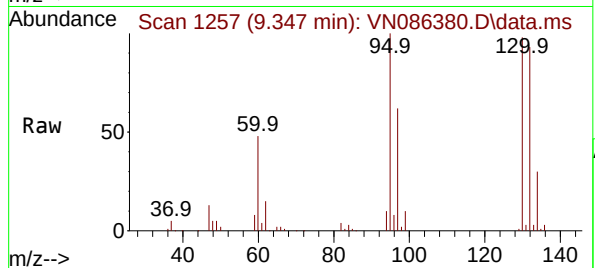
98 9.6 7.6 11.4





#37
Trichloroethene
Concen: 49.545 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

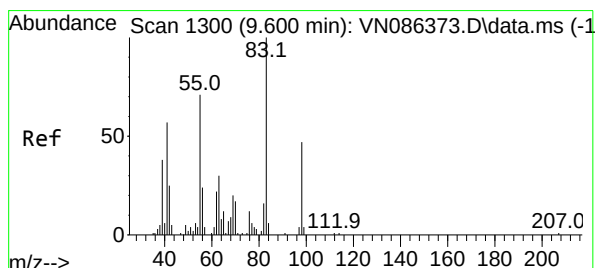
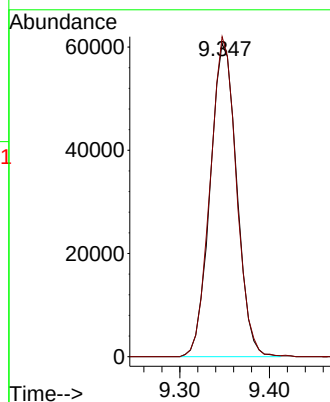
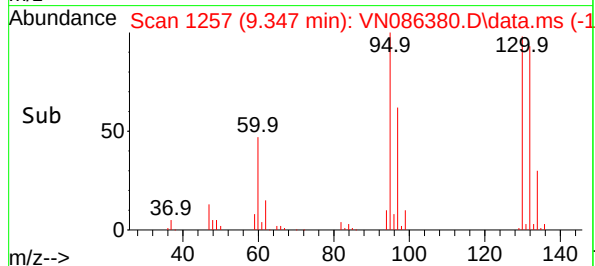
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:130 Resp: 124838
Ion Ratio Lower Upper
130 100
95 102.2 86.6 130.0

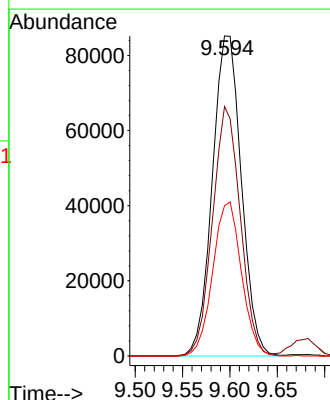
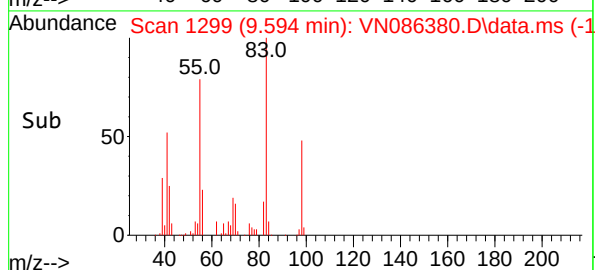
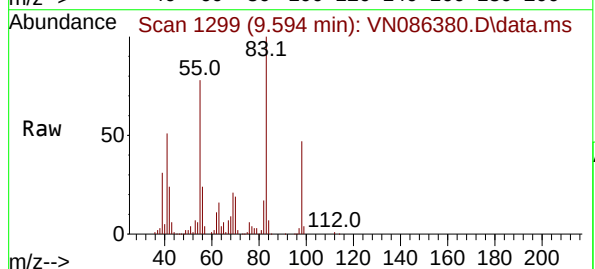
Manual Integrations
APPROVED

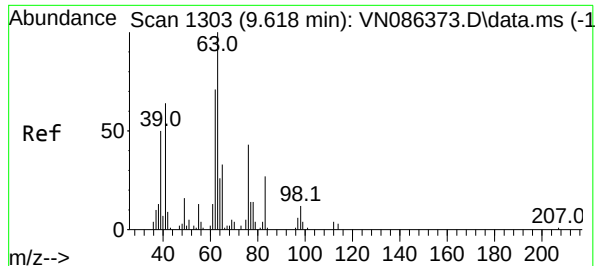
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#38
Methylcyclohexane
Concen: 49.617 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion: 83 Resp: 181341
Ion Ratio Lower Upper
83 100
55 74.8 37.3 111.9
98 47.6 23.8 71.5





#39

1,2-Dichloropropane

Concen: 48.383 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 63 Resp: 120300

Ion Ratio Lower Upper

63 100

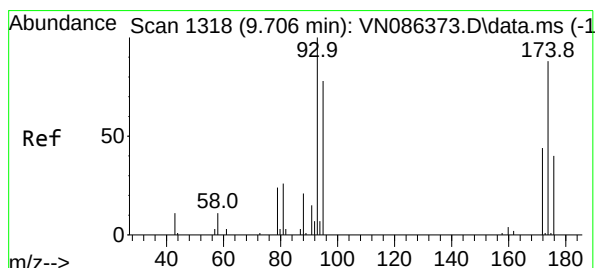
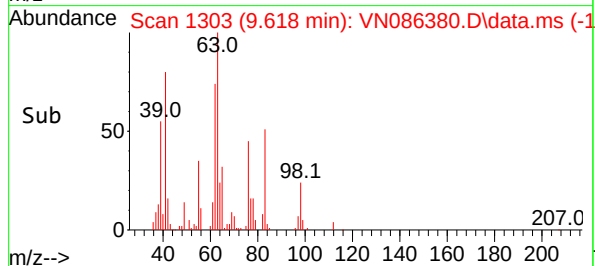
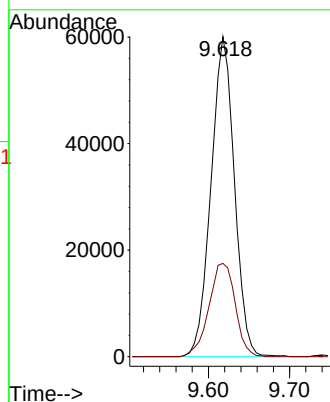
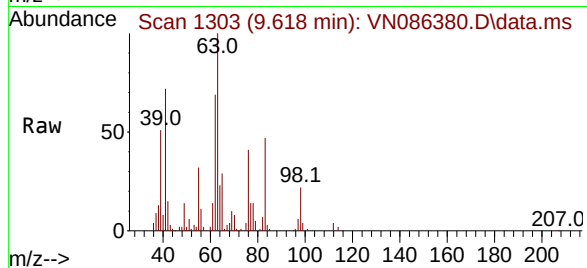
65 29.1 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#40

Dibromomethane

Concen: 48.459 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

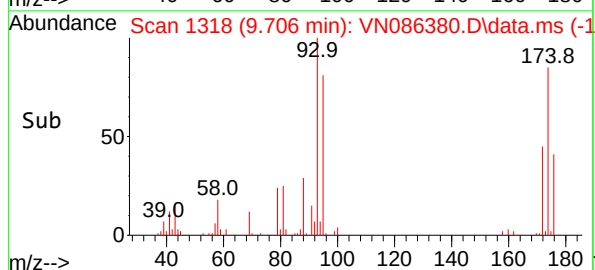
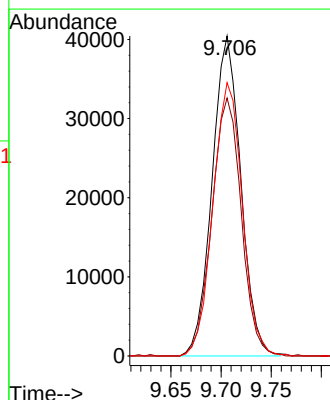
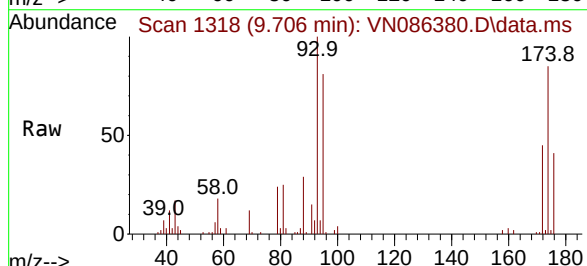
Tgt Ion: 93 Resp: 80581

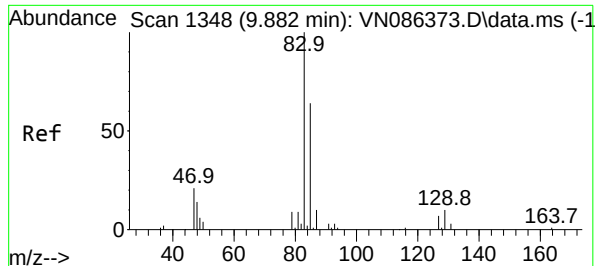
Ion Ratio Lower Upper

93 100

95 82.4 0.0 159.2

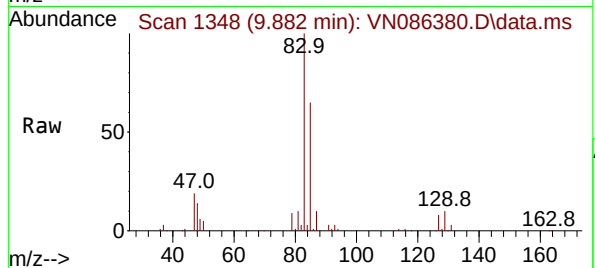
174 87.3 0.0 171.4





#41
Bromodichloromethane
Concen: 49.189 ug/l
RT: 9.882 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

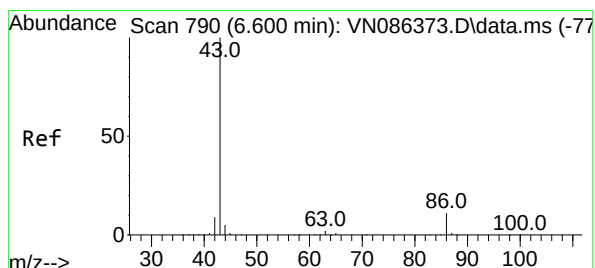
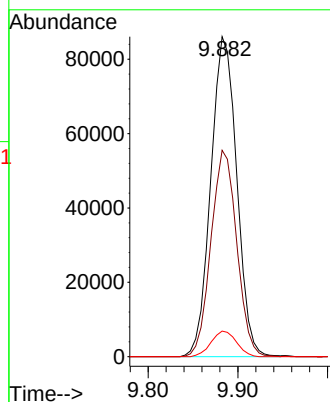
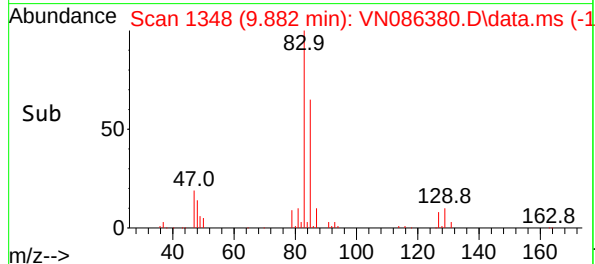
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 83 Resp: 17309
Ion Ratio Lower Upper
83 100
85 64.5 51.1 76.7
127 8.0 5.9 8.9

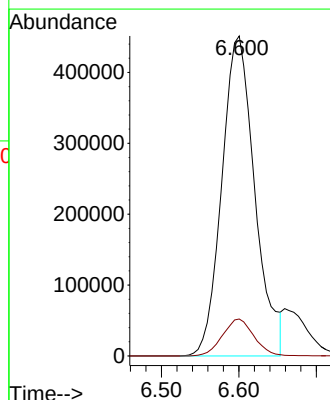
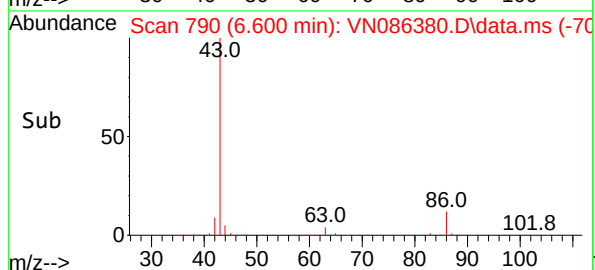
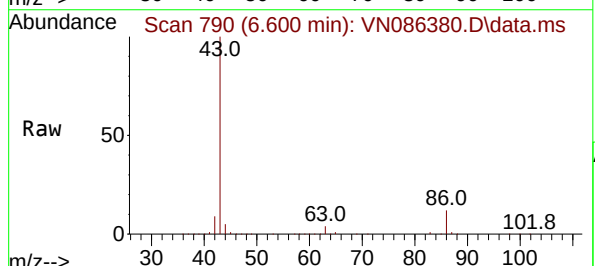
Manual Integrations
APPROVED

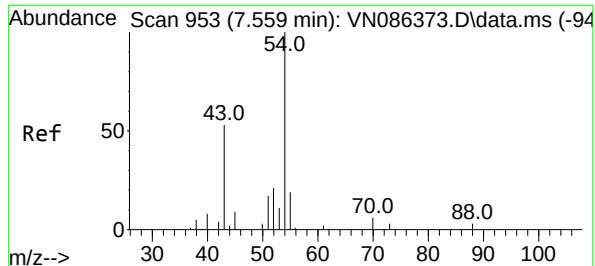
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#42
Vinyl Acetate
Concen: 251.508 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion: 43 Resp: 1338201
Ion Ratio Lower Upper
43 100
86 11.0 8.9 13.3





#43

Ethyl Acetate

Concen: 47.469 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 43 Resp: 14428

Ion Ratio Lower Upper

43

45

100

13.6

11.4

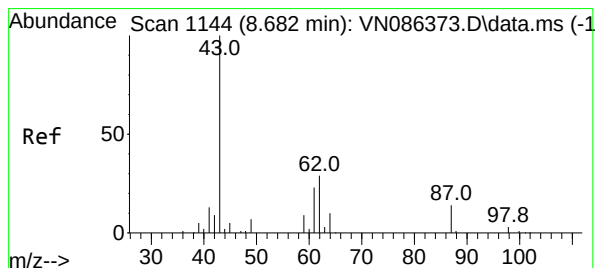
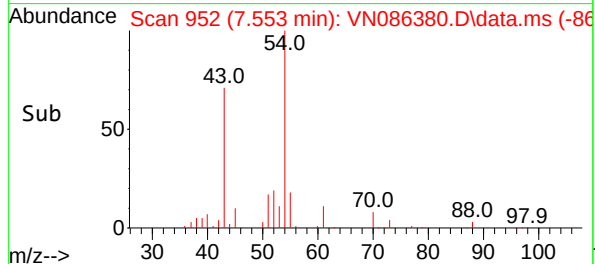
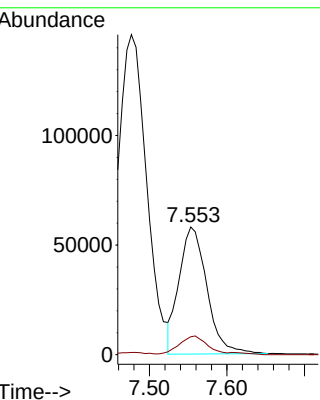
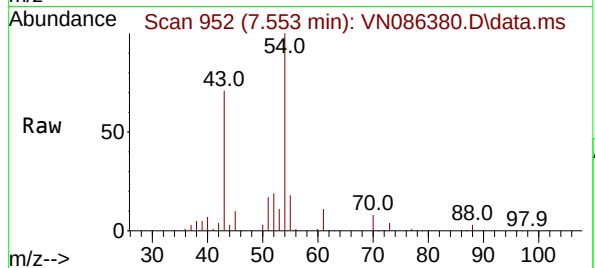
17.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#44

Isopropyl Acetate

Concen: 48.670 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Tgt Ion: 43 Resp: 280778

Ion Ratio Lower Upper

43

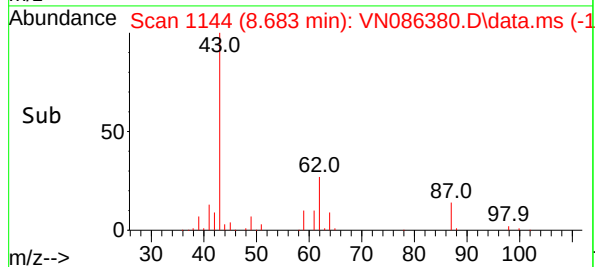
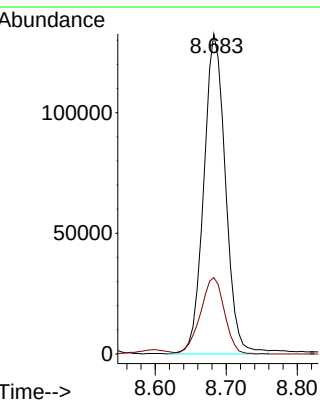
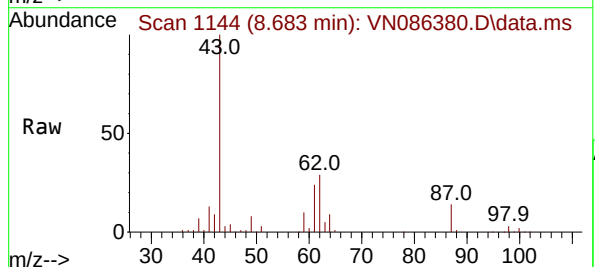
61

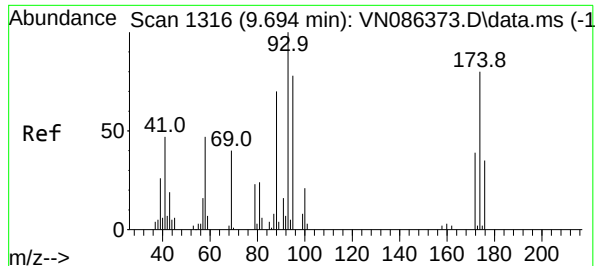
100

26.4

21.0

31.4





#45

1,4-Dioxane

Concen: 1022.574 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

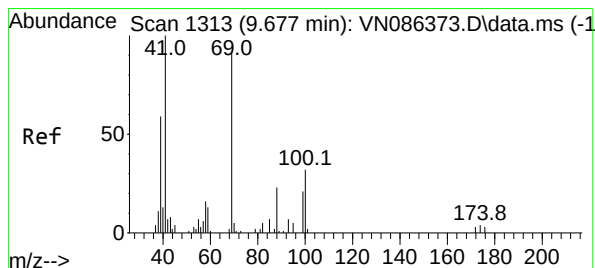
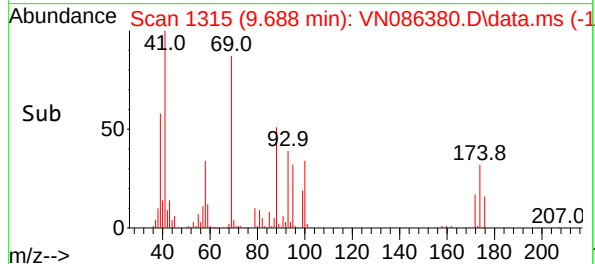
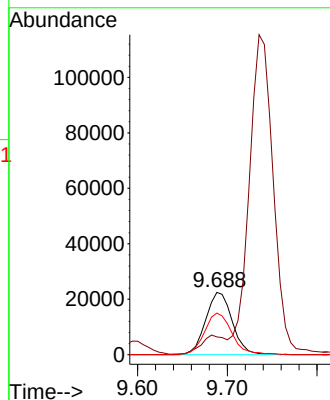
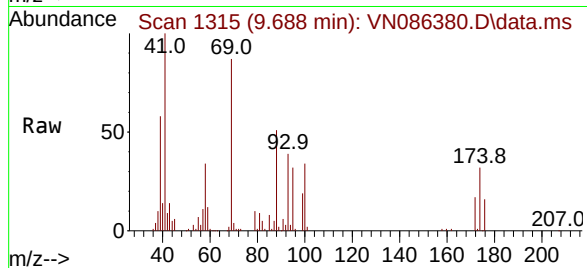
Tgt Ion:	88	Resp:	4602
Ion	Ratio	Lower	Upper
88	100		
43	28.1	24.9	37.3
58	69.4	57.8	86.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#46

Methyl methacrylate

Concen: 49.330 ug/l

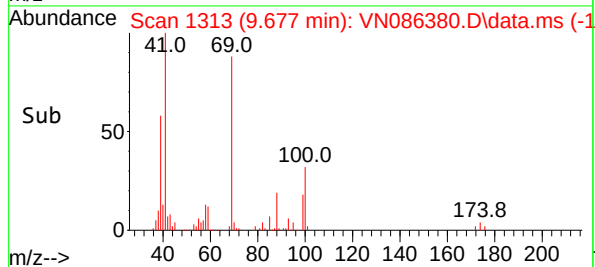
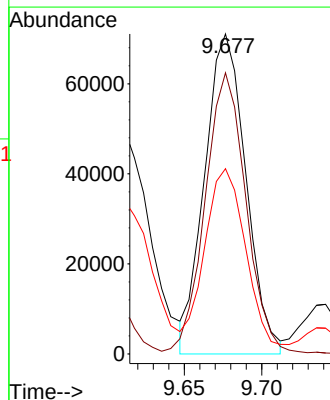
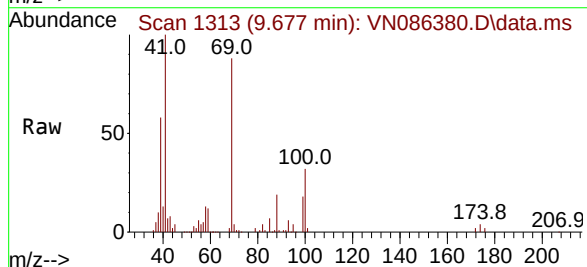
RT: 9.677 min Scan# 1313

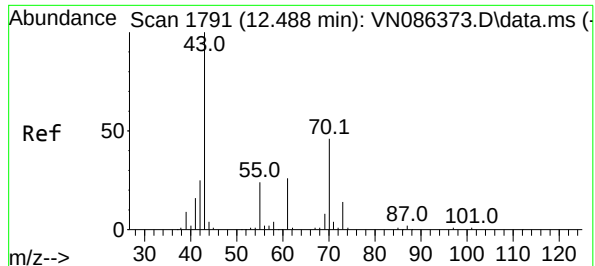
Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Tgt Ion:	41	Resp:	131270
Ion	Ratio	Lower	Upper
41	100		
69	89.1	44.1	132.3
39	57.2	30.0	90.1





#47

n-amyl acetate

Concen: 48.807 ug/l

RT: 12.488 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 43 Resp: 23998

Ion Ratio Lower Upper

43 100

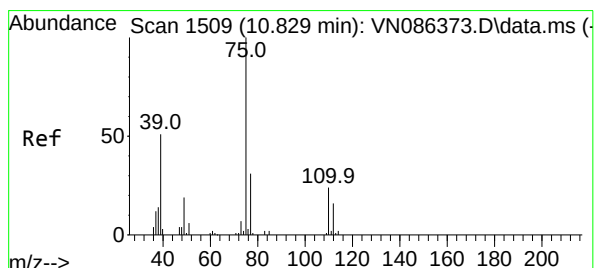
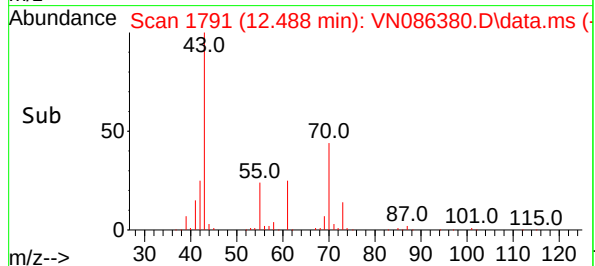
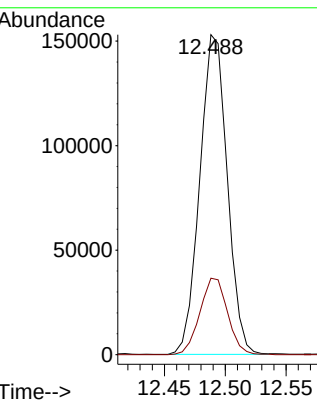
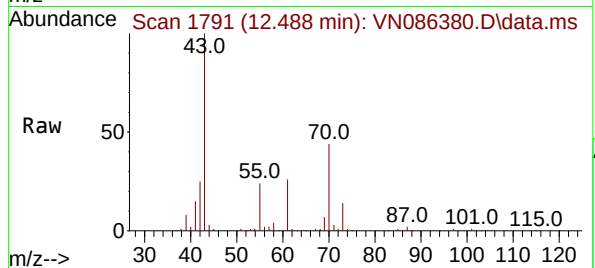
55 24.2 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#48

t-1,3-Dichloropropene

Concen: 48.936 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. 0.006 min

Lab File: VN086380.D

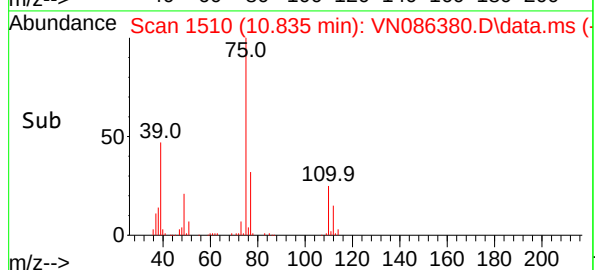
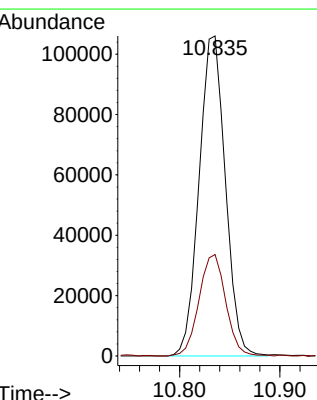
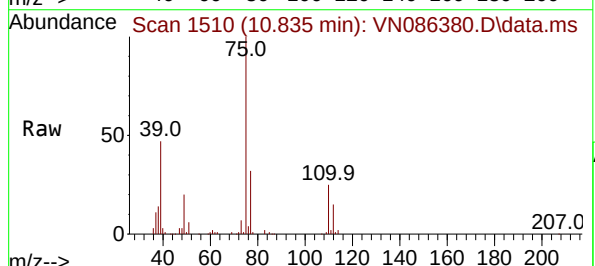
Acq: 23 Apr 2025 13:17

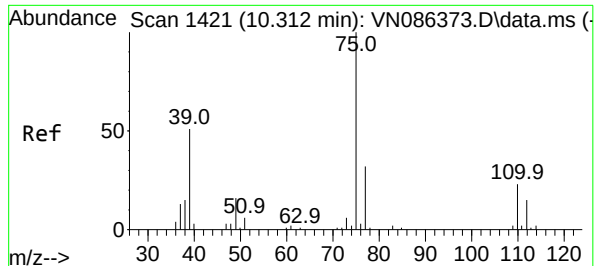
Tgt Ion: 75 Resp: 192520

Ion Ratio Lower Upper

75 100

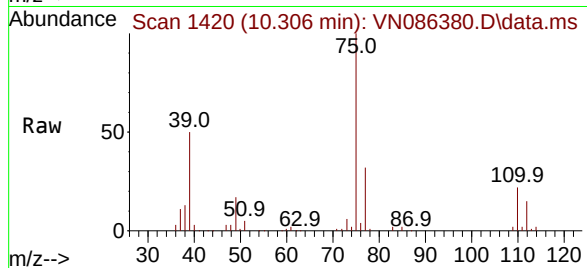
77 31.7 24.4 36.6





#49
cis-1,3-Dichloropropene
Concen: 49.162 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

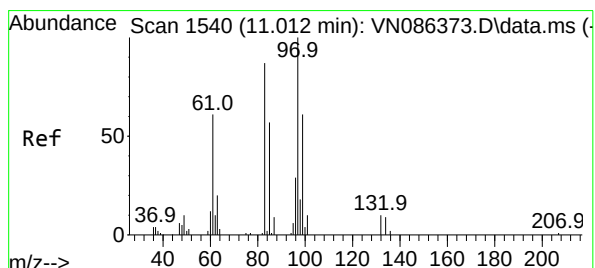
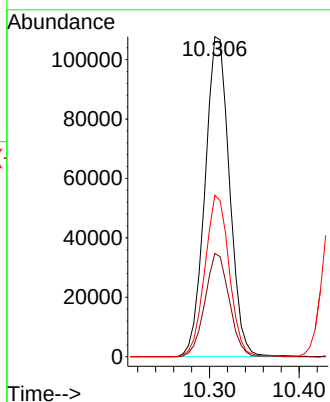
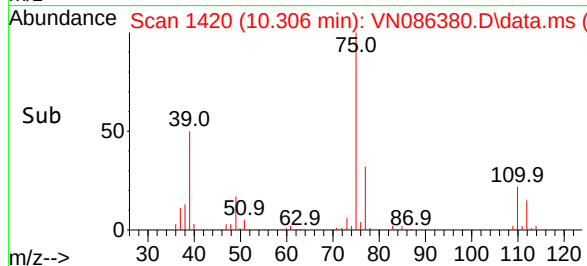
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 75 Resp: 20396
Ion Ratio Lower Upper
75 100
77 32.3 25.6 38.4
39 50.3 40.6 60.8

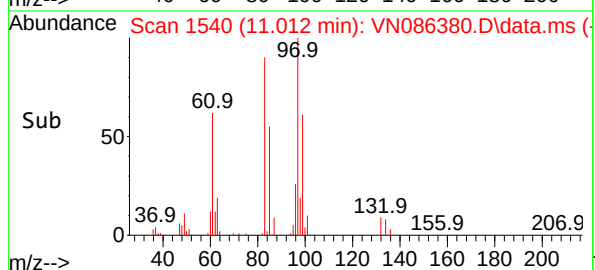
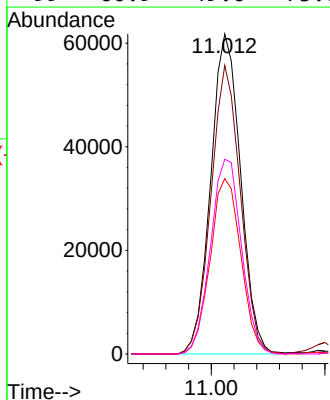
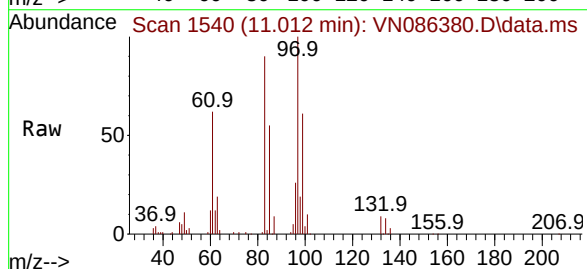
Manual Integrations
APPROVED

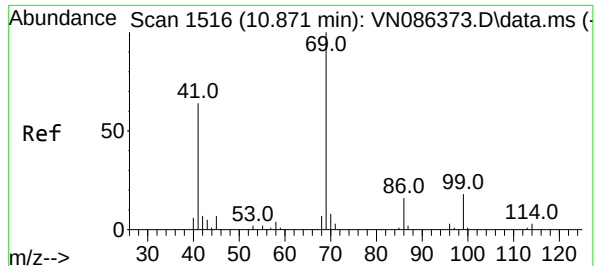
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#50
1,1,2-Trichloroethane
Concen: 48.624 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

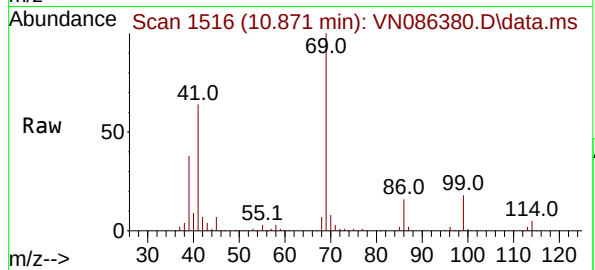
Tgt Ion: 97 Resp: 112938
Ion Ratio Lower Upper
97 100
83 90.1 69.3 103.9
85 54.8 45.5 68.3
99 60.9 49.0 73.6





#51
Ethyl methacrylate
Concen: 49.636 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

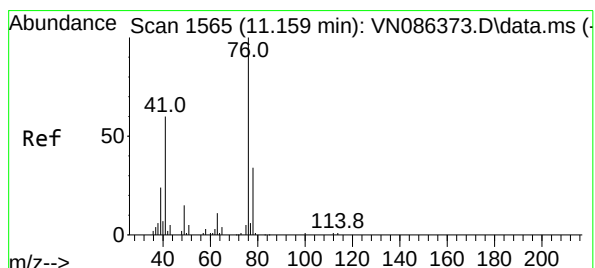
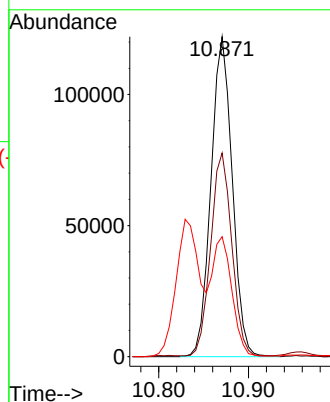
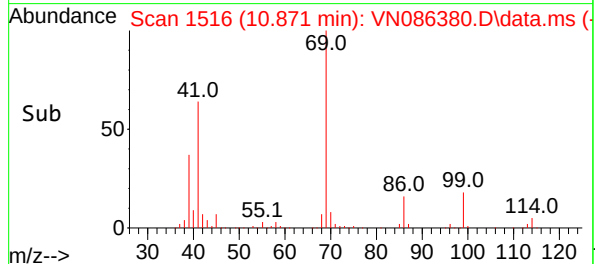
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 69 Resp: 200784
Ion Ratio Lower Upper
69 100
41 63.4 32.3 96.8
39 37.3 19.1 57.1

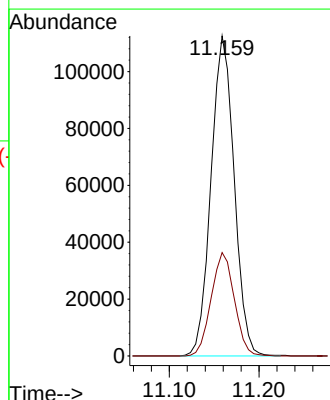
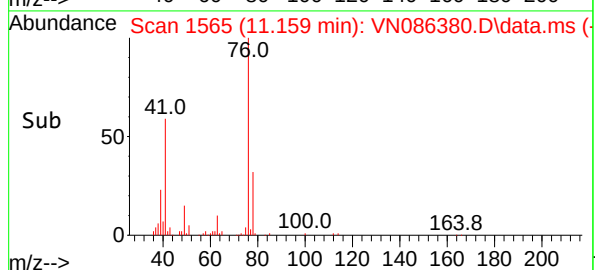
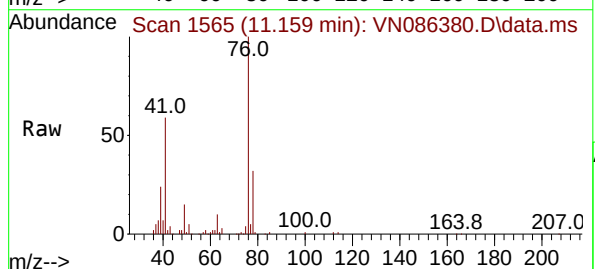
Manual Integrations
APPROVED

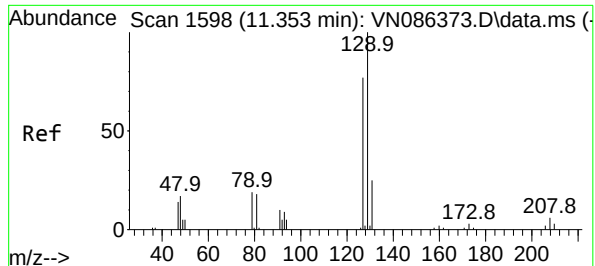
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#52
1,3-Dichloropropane
Concen: 49.100 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

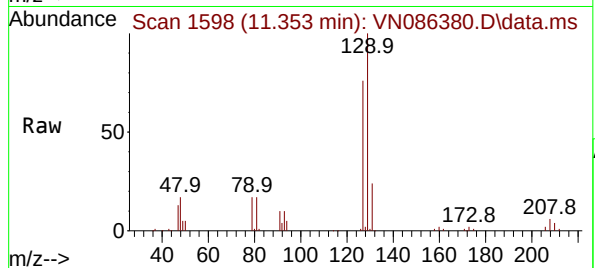
Tgt Ion: 76 Resp: 201557
Ion Ratio Lower Upper
76 100
78 32.3 0.0 65.6





#53
Dibromochloromethane
Concen: 49.346 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

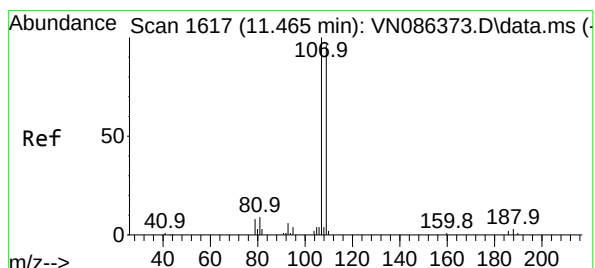
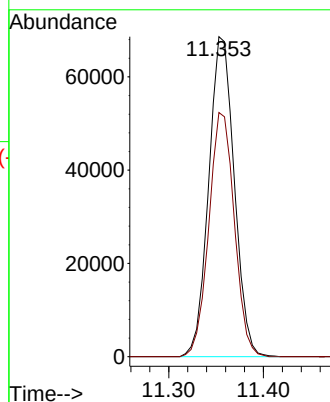
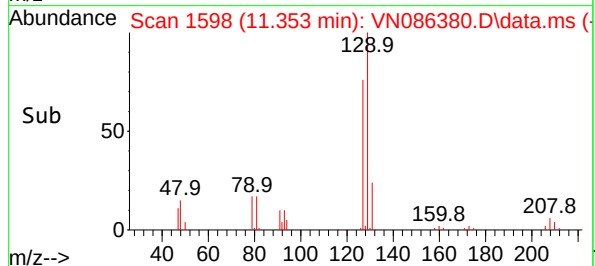
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



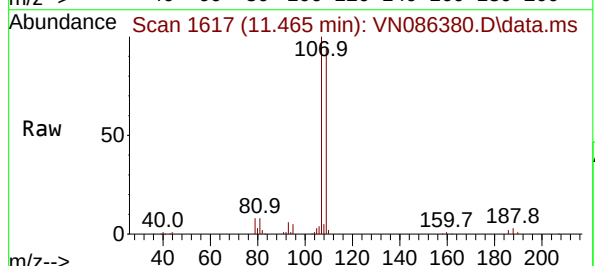
Tgt Ion:129 Resp: 128697
Ion Ratio Lower Upper
129 100
127 76.0 38.8 116.3

Manual Integrations
APPROVED

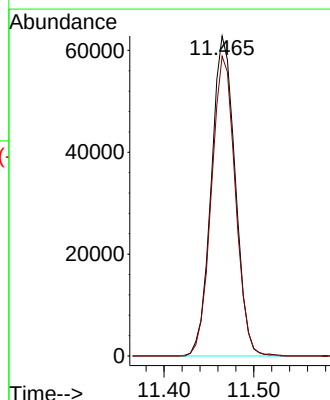
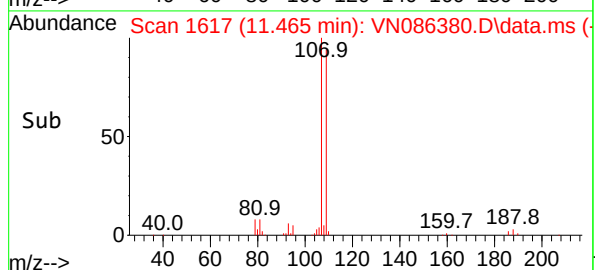
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

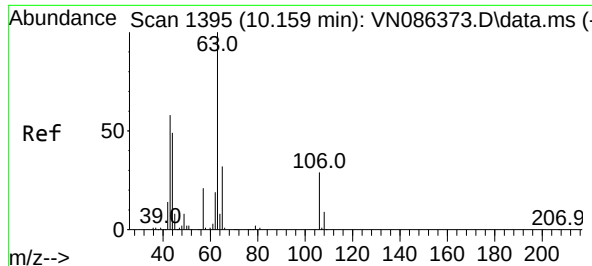


#54
1,2-Dibromoethane
Concen: 49.058 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17



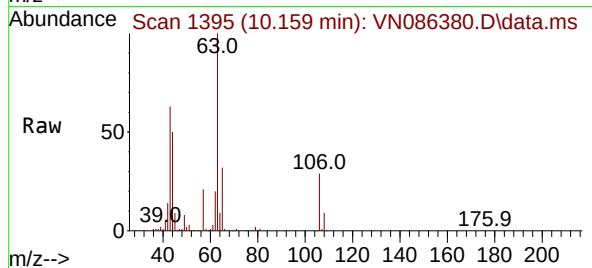
Tgt Ion:107 Resp: 115855
Ion Ratio Lower Upper
107 100
109 93.6 75.4 113.0





#55
2-Chloroethyl vinyl ether
Concen: 247.901 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

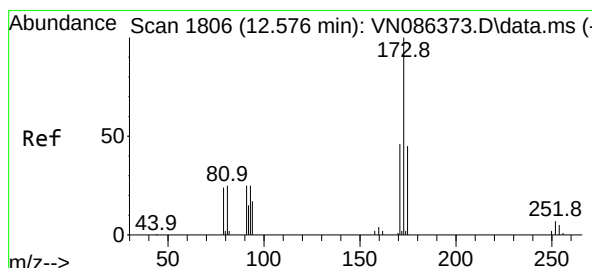
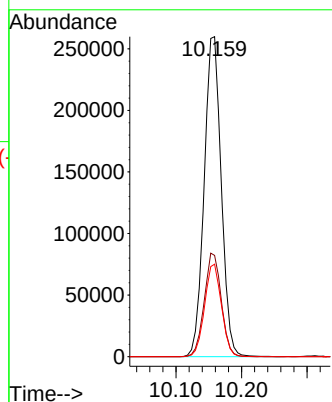
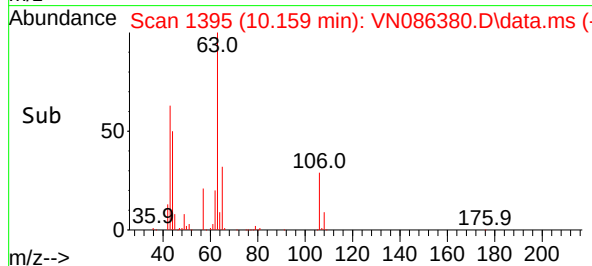
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 63 Resp: 471468
Ion Ratio Lower Upper
63 100
65 32.2 25.7 38.5
106 28.6 22.3 33.5

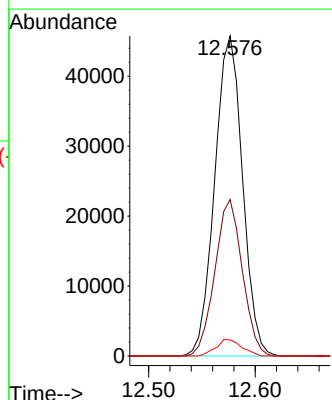
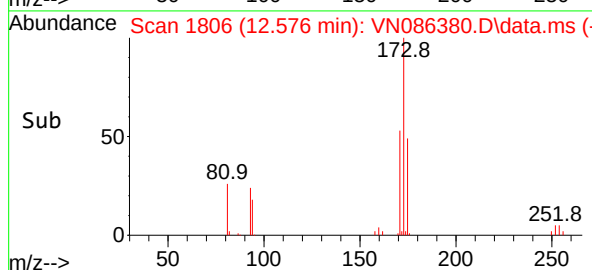
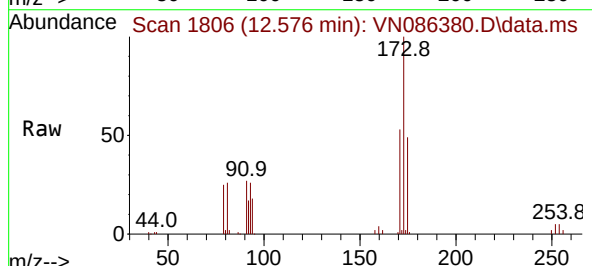
Manual Integrations
APPROVED

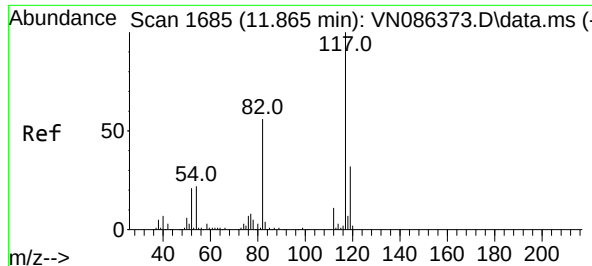
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#56
Bromoform
Concen: 49.022 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

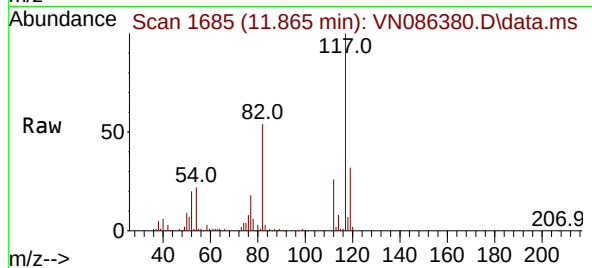
Tgt Ion:173 Resp: 82968
Ion Ratio Lower Upper
173 100
175 48.1 39.0 58.6
254 4.8 3.8 5.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

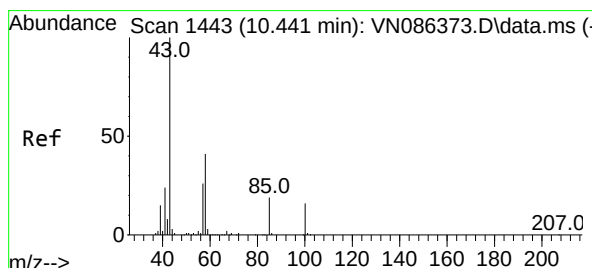
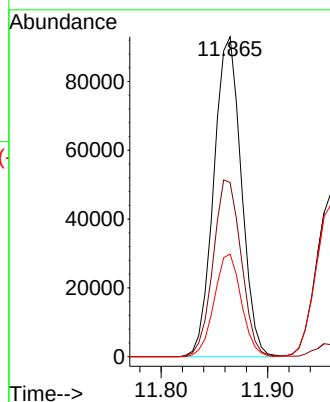
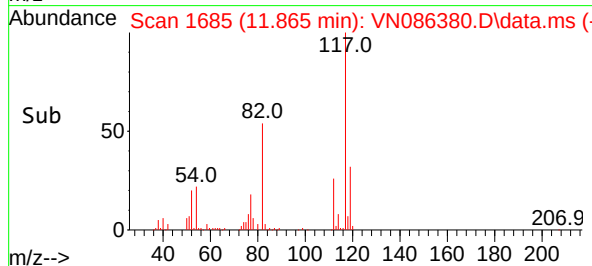
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion: 117 Resp: 166870
Ion Ratio Lower Upper
117 100
82 56.3 45.5 68.3
119 31.5 25.9 38.9

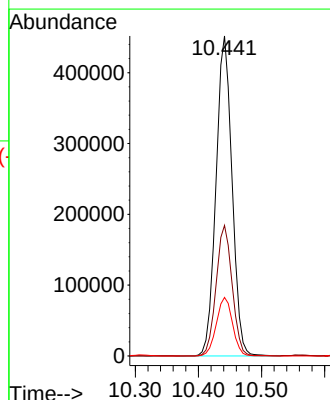
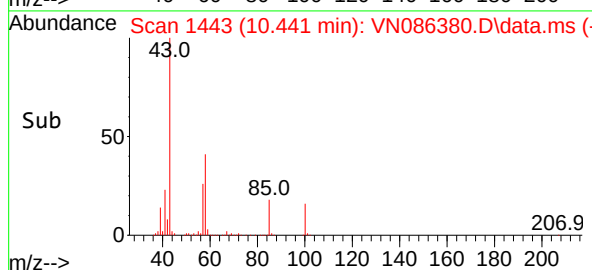
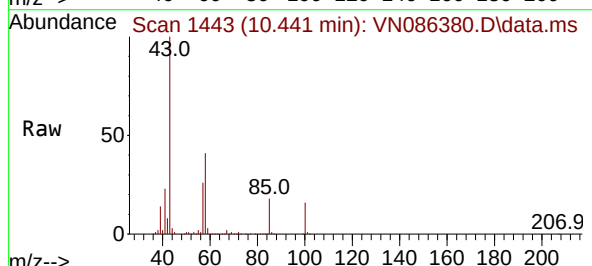
Manual Integrations
APPROVED

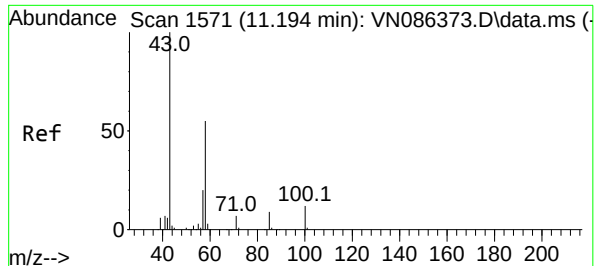
Reviewed By :John Carbone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#58
4-Methyl-2-Pentanone
Concen: 246.686 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion: 43 Resp: 796619
Ion Ratio Lower Upper
43 100
58 40.8 33.0 49.6
85 18.5 14.9 22.3





#59

2-Hexanone

Concen: 245.533 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 43 Resp: 58430

Ion Ratio Lower Upper

43 100

58 57.2 45.0 67.6

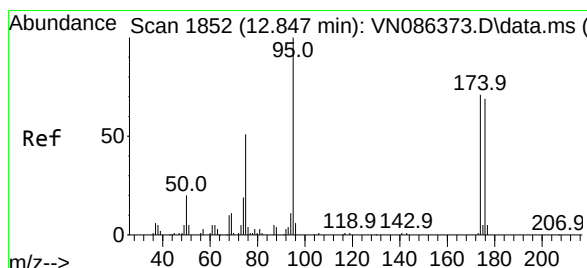
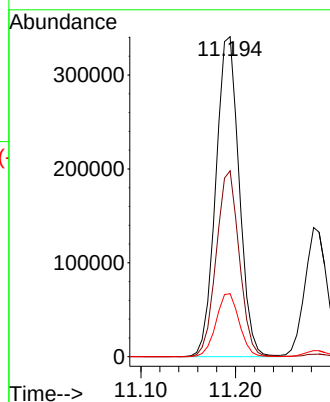
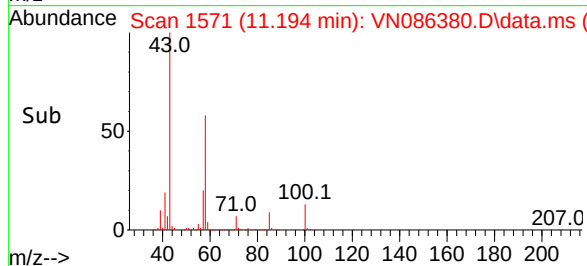
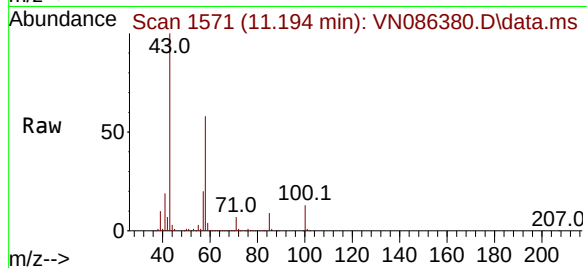
57 19.7 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#60

4-Bromofluorobenzene

Concen: 29.770 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

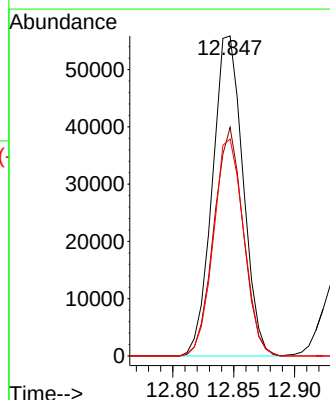
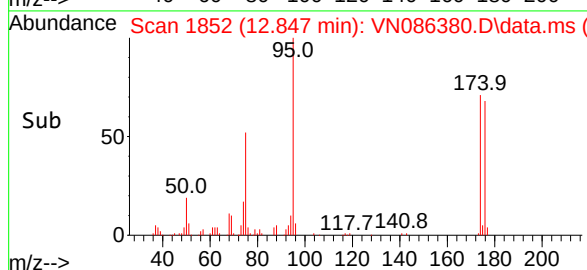
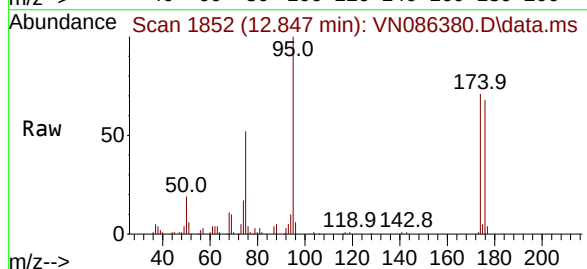
Tgt Ion: 95 Resp: 97641

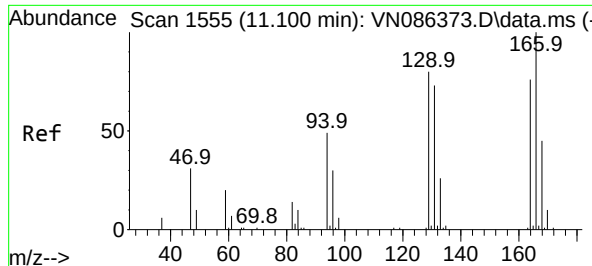
Ion Ratio Lower Upper

95 100

174 68.4 56.6 84.8

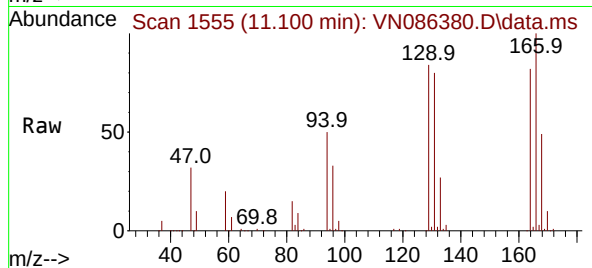
176 67.4 53.3 79.9





#61
Tetrachloroethene
Concen: 48.223 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

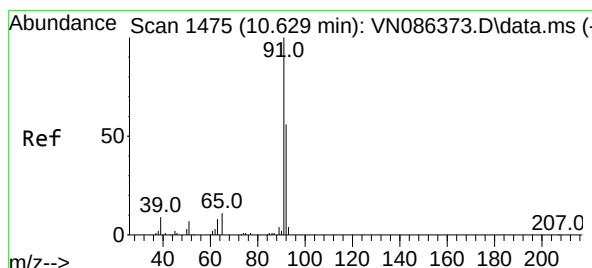
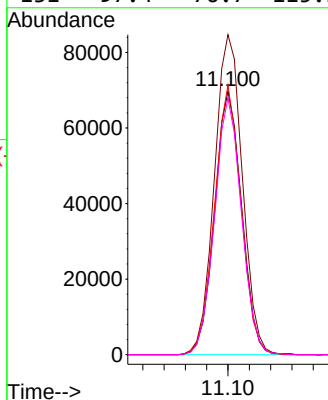
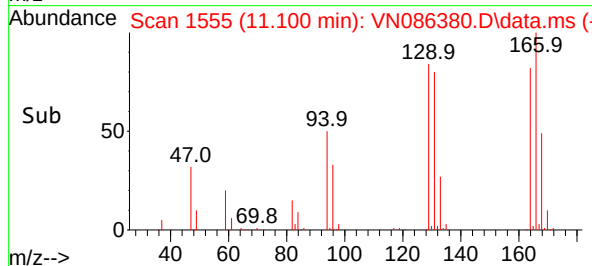
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



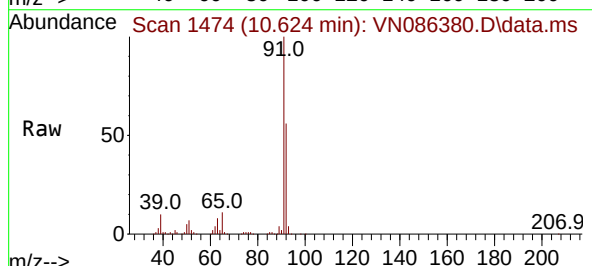
Tgt Ion:164 Resp: 122738
Ion Ratio Lower Upper
164 100
166 121.5 105.0 157.4
129 102.3 83.9 125.9
131 97.4 76.7 115.1

Manual Integrations
APPROVED

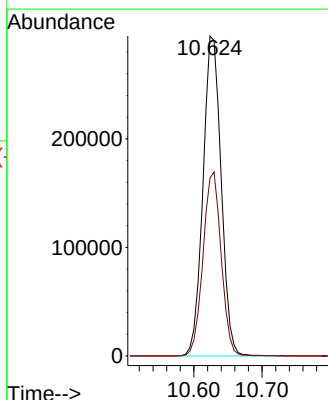
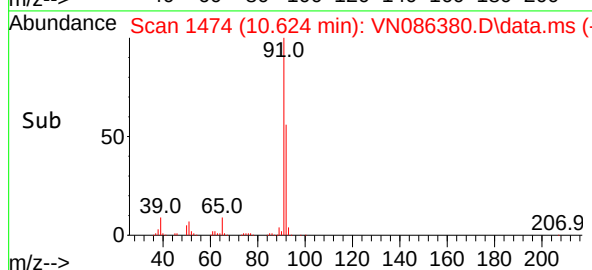
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

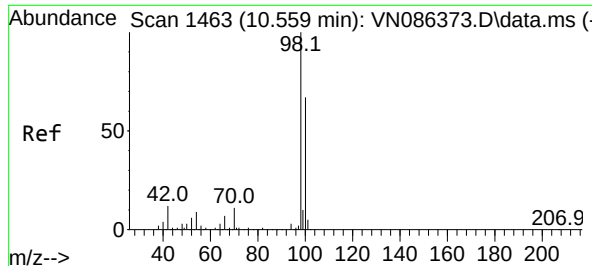


#62
Toluene
Concen: 48.875 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17



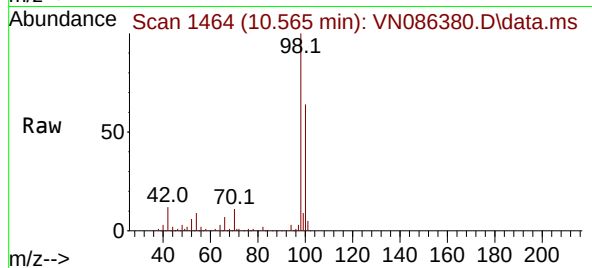
Tgt Ion: 91 Resp: 545929
Ion Ratio Lower Upper
91 100
92 57.3 45.7 68.5





#63
Toluene-d8
Concen: 30.090 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

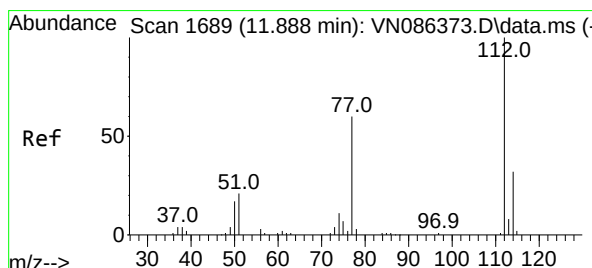
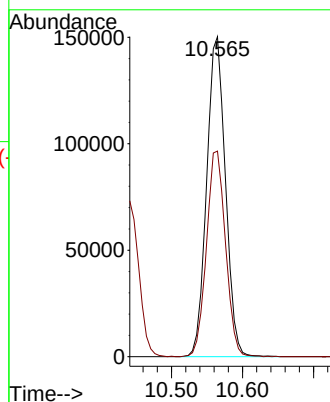
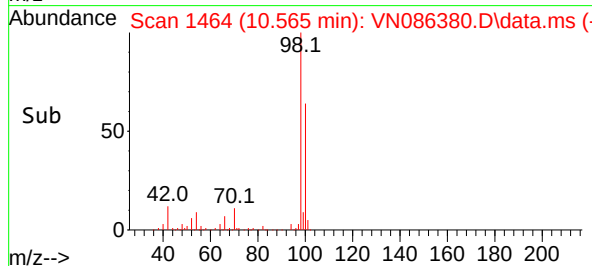
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 98 Resp: 276249
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7

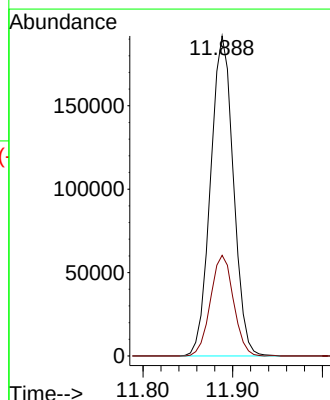
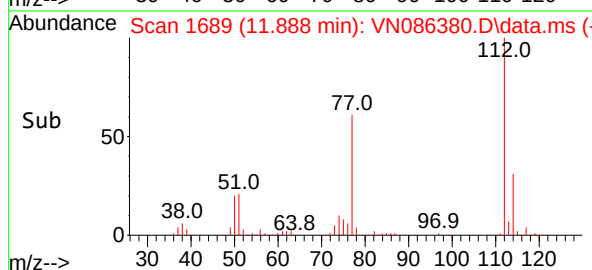
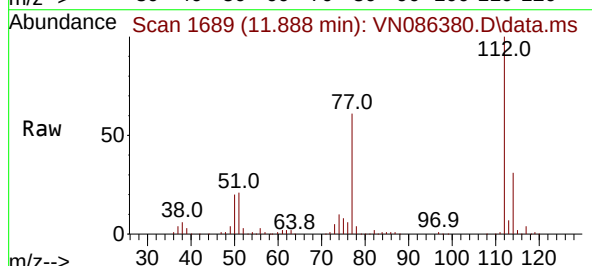
Manual Integrations
APPROVED

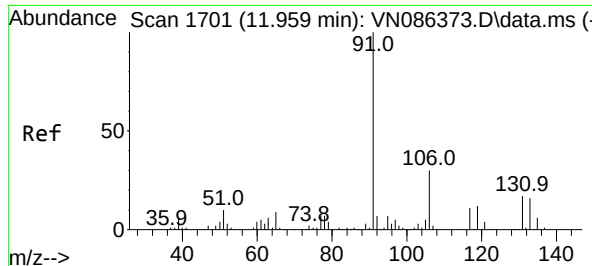
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#64
Chlorobenzene
Concen: 48.765 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

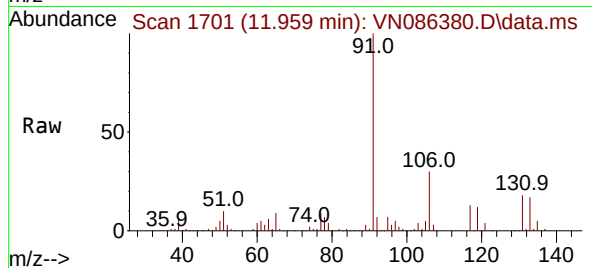
Tgt Ion:112 Resp: 339409
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4





#65
1,1,1,2-Tetrachloroethane
Concen: 48.858 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

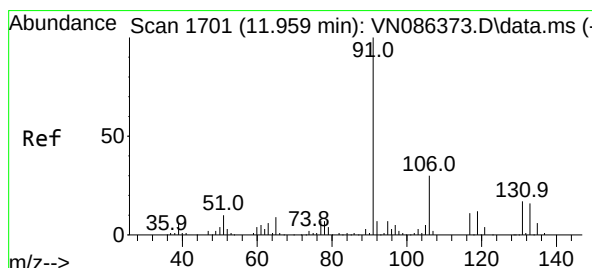
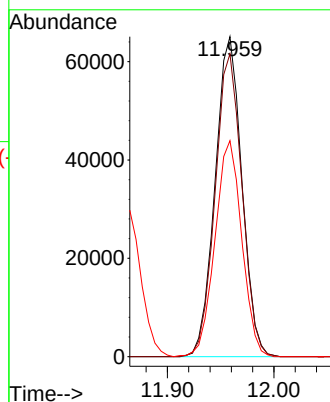
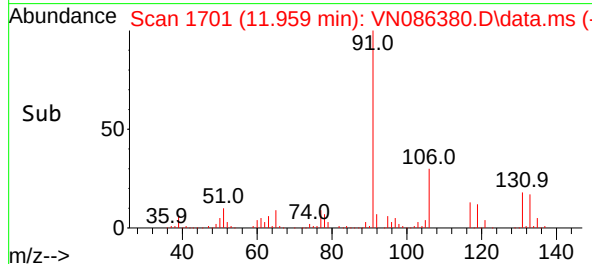
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:131 Resp: 113702
Ion Ratio Lower Upper
131 100
133 94.7 0.0 191.4
119 67.5 0.0 133.6

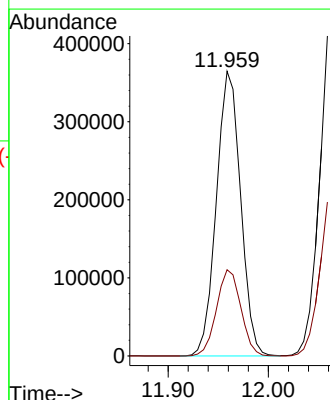
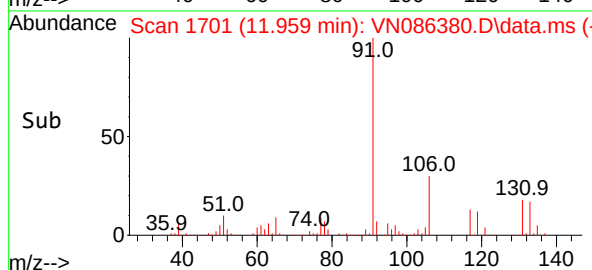
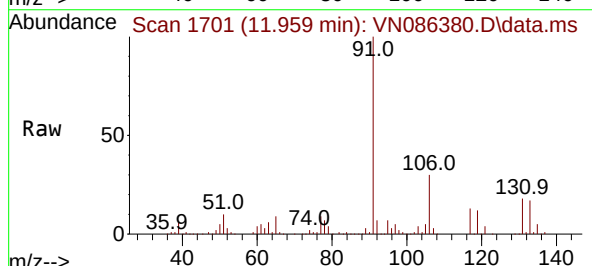
Manual Integrations
APPROVED

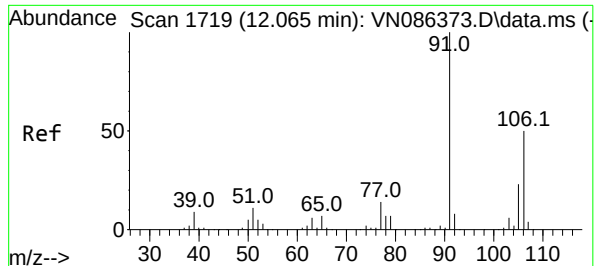
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#66
Ethyl Benzene
Concen: 48.707 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion: 91 Resp: 612399
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5





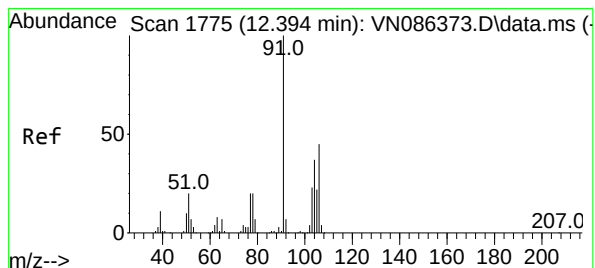
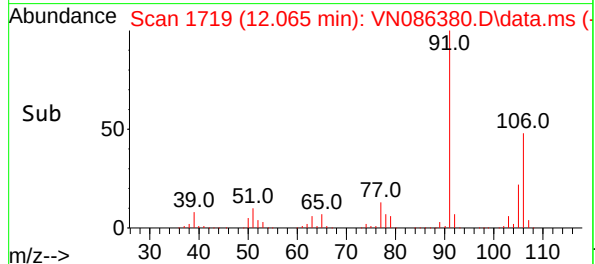
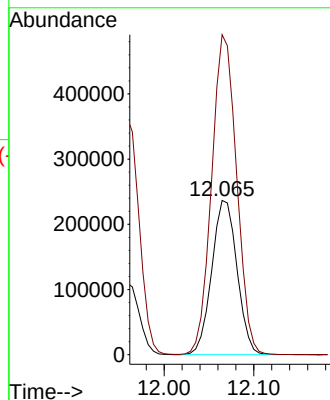
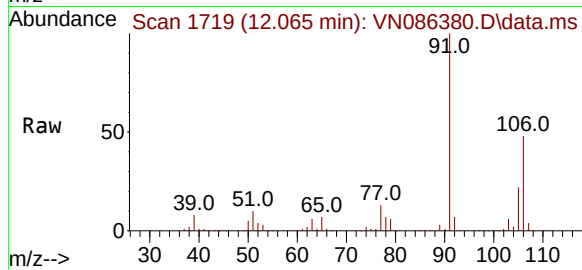
#67
m/p-Xylenes
Concen: 96.999 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Tgt Ion:106 Resp: 46274
Ion Ratio Lower Upper
106 100
91 205.3 162.6 243.8

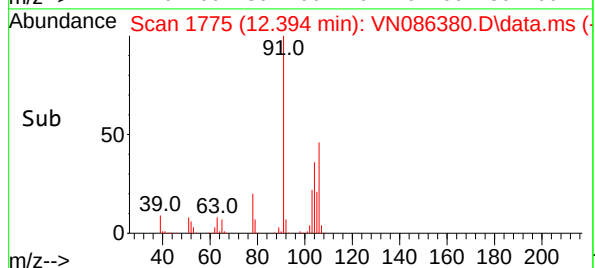
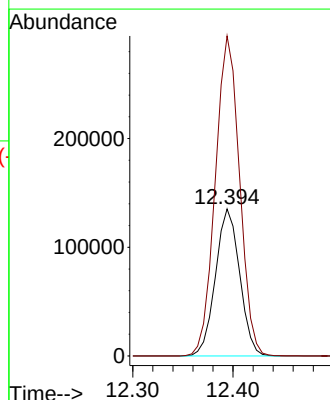
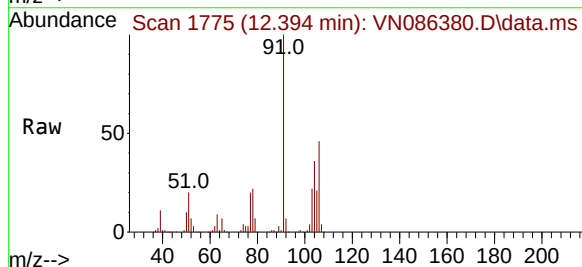
Manual Integrations
APPROVED

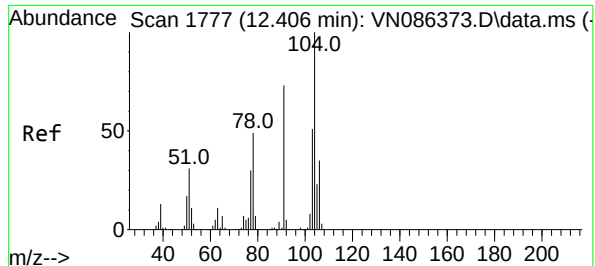
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#68
o-Xylene
Concen: 48.560 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion:106 Resp: 226822
Ion Ratio Lower Upper
106 100
91 218.5 110.6 331.6





#69

Styrene

Concen: 49.159 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

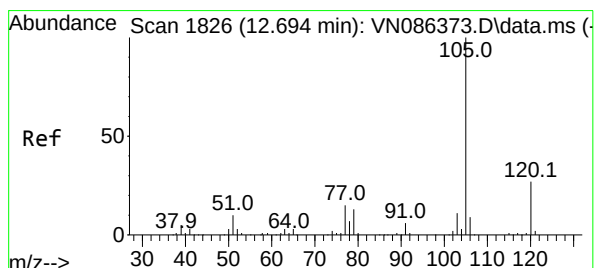
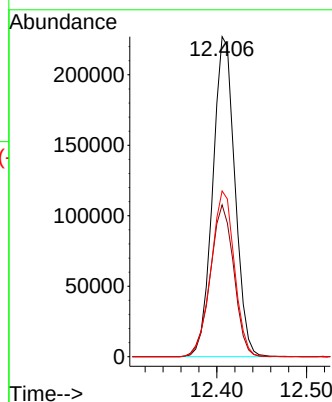
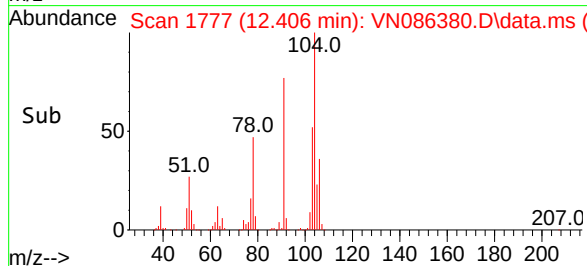
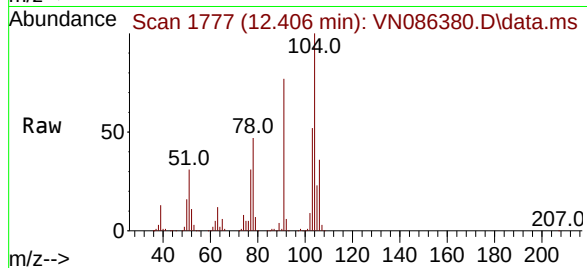
Tgt Ion	104	Resp	389200
Ion Ratio	Lower	Upper	
104	100		
78	50.3	40.2	60.4
103	54.7	43.8	65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#70

Isopropylbenzene

Concen: 48.886 ug/l

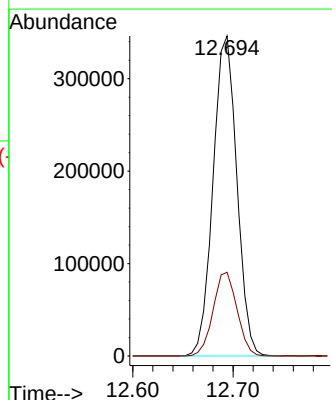
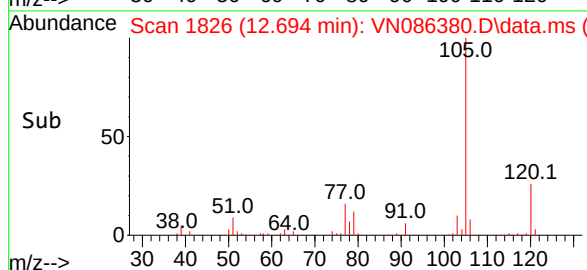
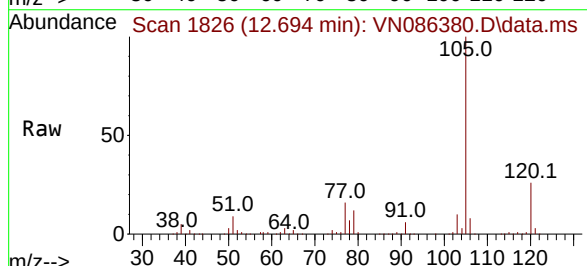
RT: 12.694 min Scan# 1826

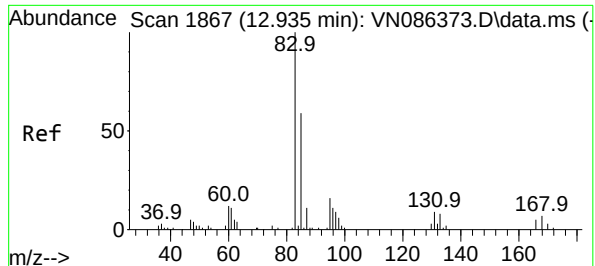
Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

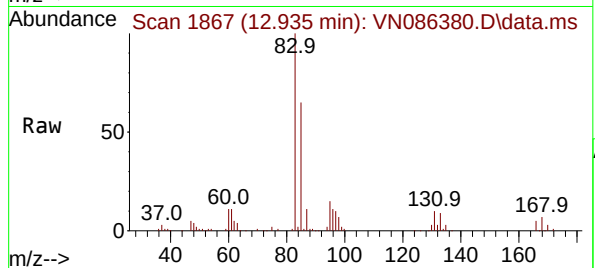
Tgt Ion	105	Resp	570012
Ion Ratio	Lower	Upper	
105	100		
120	26.3	18.2	33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 48.818 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

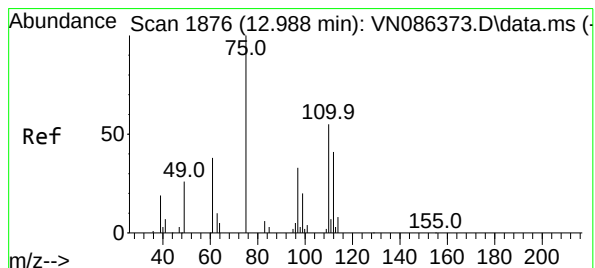
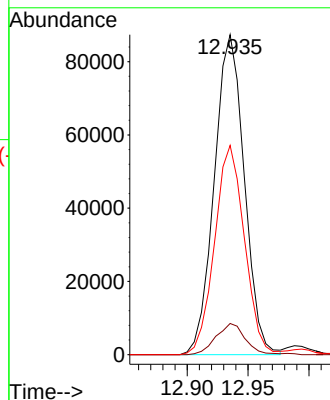
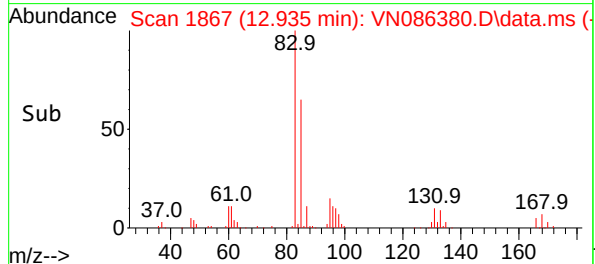
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion: 83 Resp: 149879
Ion Ratio Lower Upper
83 100
131 9.5 4.5 13.7
85 64.8 31.7 95.1

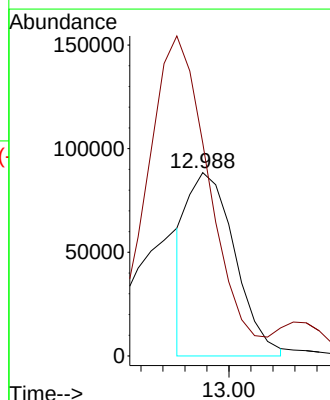
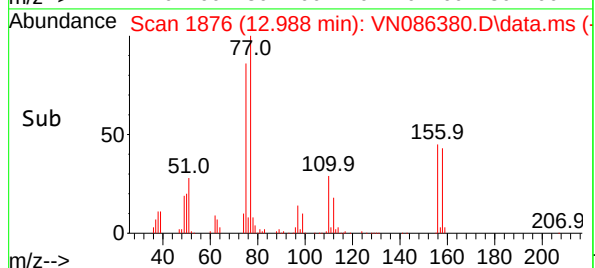
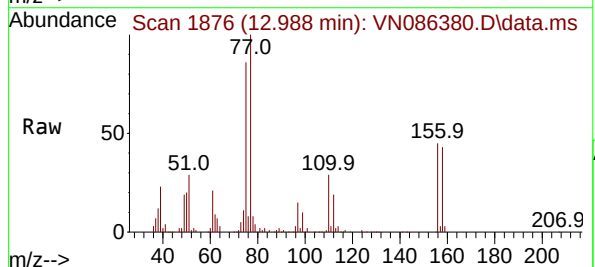
Manual Integrations
APPROVED

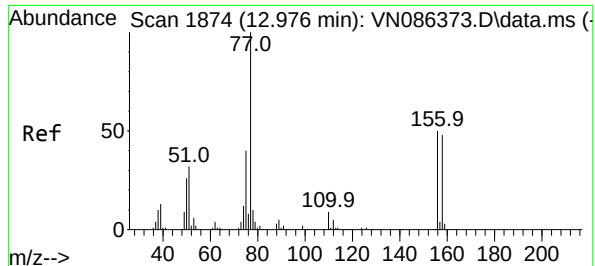
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#72
1,2,3-Trichloropropane
Concen: 49.772 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

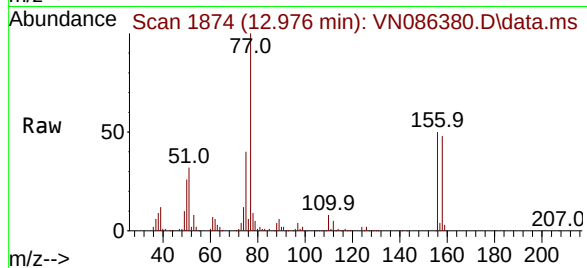
Tgt Ion: 75 Resp: 132411
Ion Ratio Lower Upper
75 100
77 231.7 0.0 464.4





#73
Bromobenzene
Concen: 49.022 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

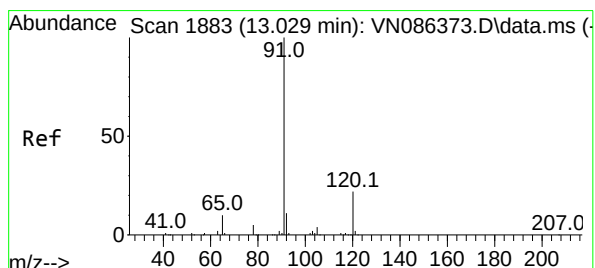
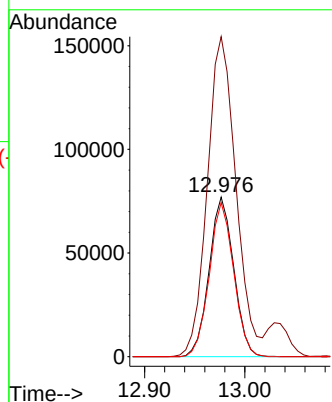
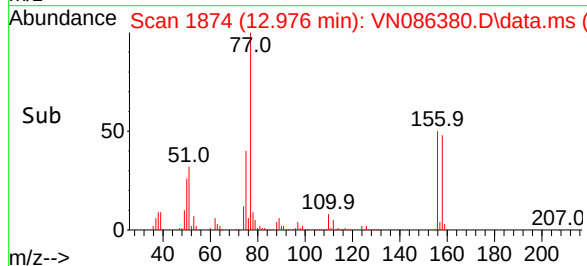
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



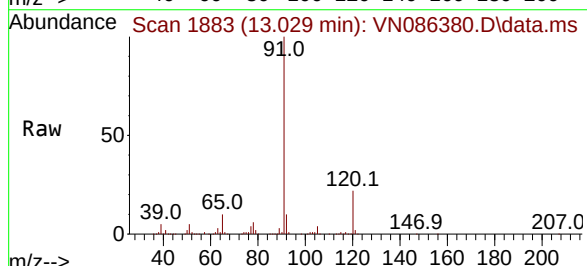
Tgt Ion:156 Resp: 131410
Ion Ratio Lower Upper
156 100
77 233.5 0.0 463.4
158 95.4 0.0 191.8

Manual Integrations
APPROVED

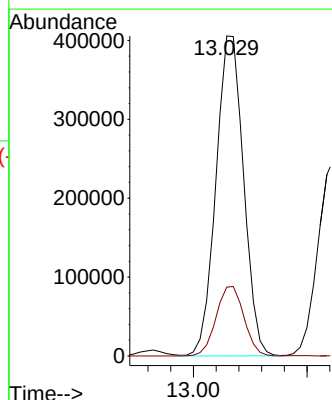
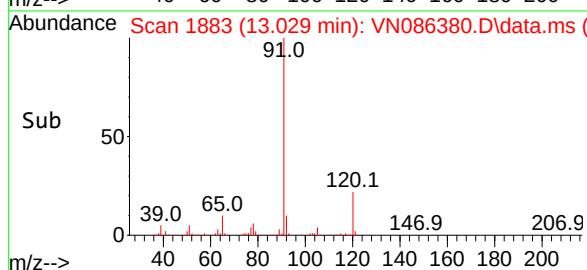
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

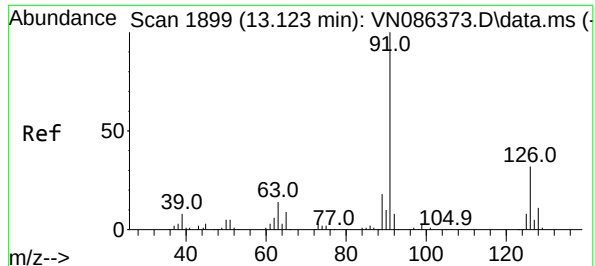


#74
n-propylbenzene
Concen: 49.506 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17



Tgt Ion: 91 Resp: 685930
Ion Ratio Lower Upper
91 100
120 21.8 0.0 43.8





#75

2-Chlorotoluene

Concen: 48.900 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 91 Resp: 422950

Ion Ratio Lower Upper

91 100

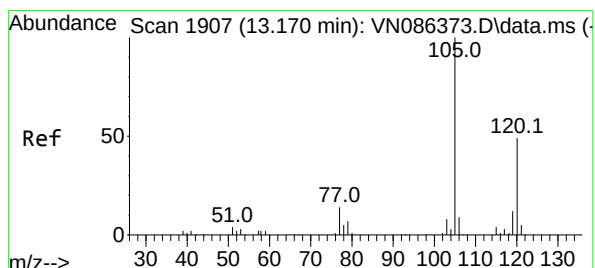
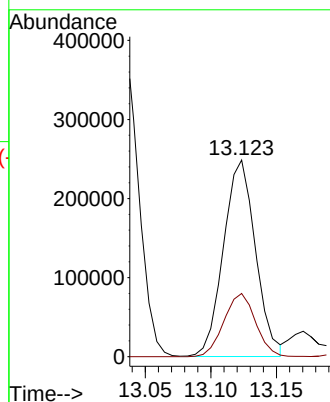
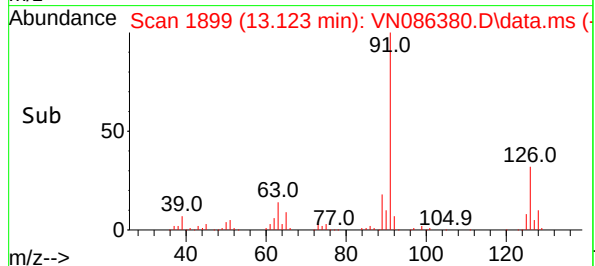
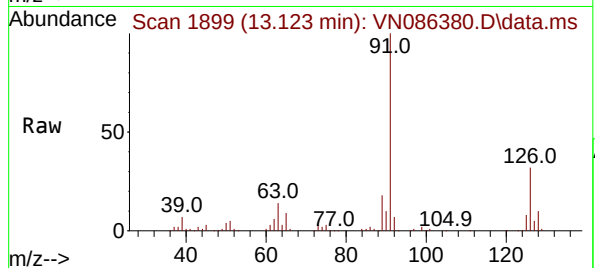
126 31.7 0.0 65.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#76

1,3,5-Trimethylbenzene

Concen: 49.239 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN086380.D

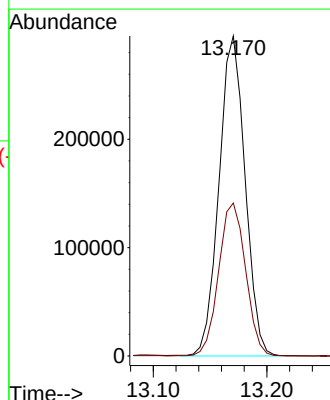
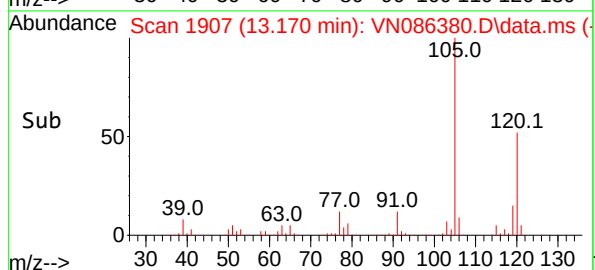
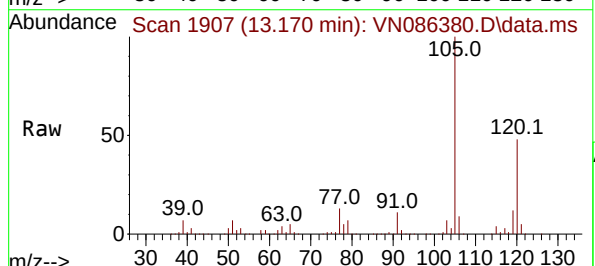
Acq: 23 Apr 2025 13:17

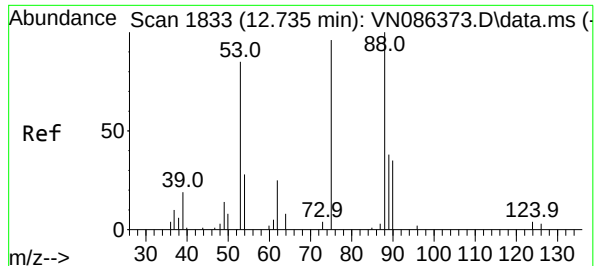
Tgt Ion:105 Resp: 471082

Ion Ratio Lower Upper

105 100

120 49.3 0.0 97.6





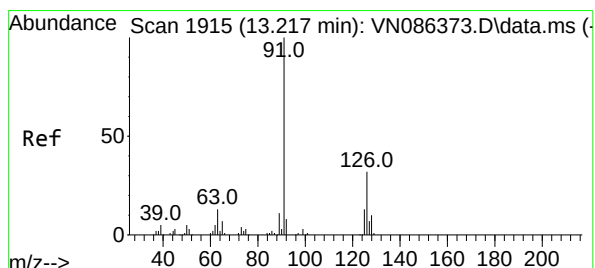
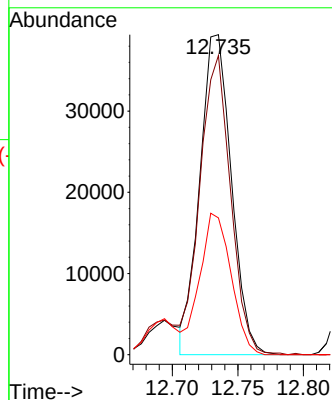
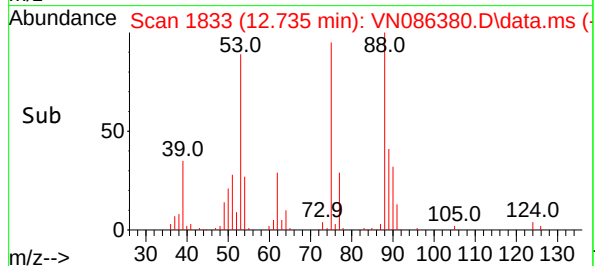
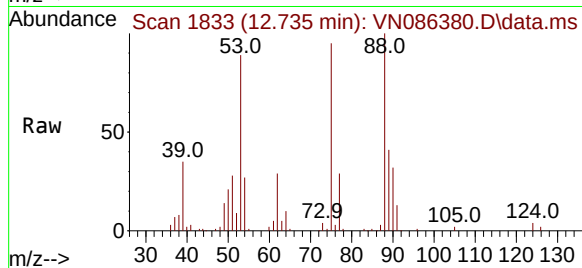
#77
t-1,4-Dichloro-2-butene
Concen: 48.728 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 75 Resp: 66192
Ion Ratio Lower Upper
75 100
53 93.0 46.0 138.0
89 42.7 21.6 64.6

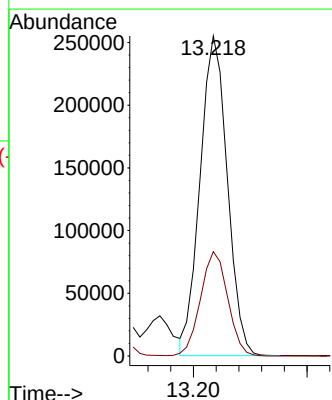
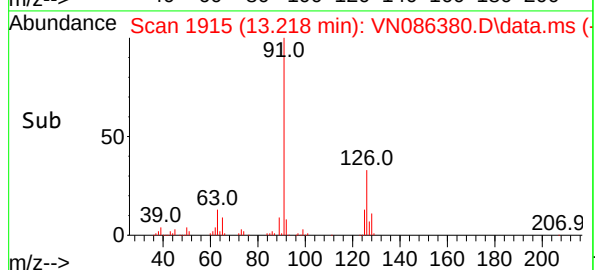
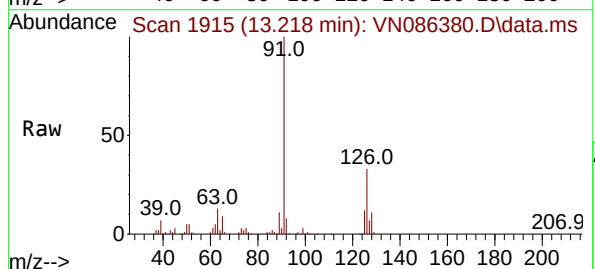
Manual Integrations
APPROVED

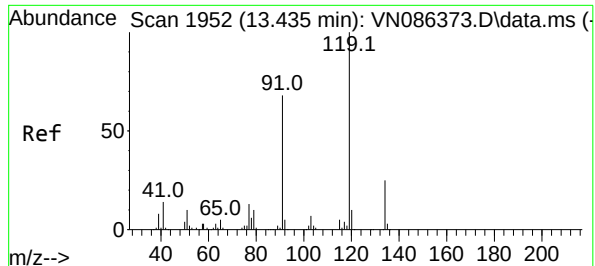
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#78
4-Chlorotoluene
Concen: 49.115 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion: 91 Resp: 424764
Ion Ratio Lower Upper
91 100
126 32.6 0.0 65.4





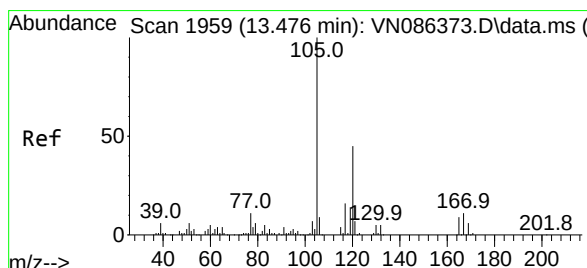
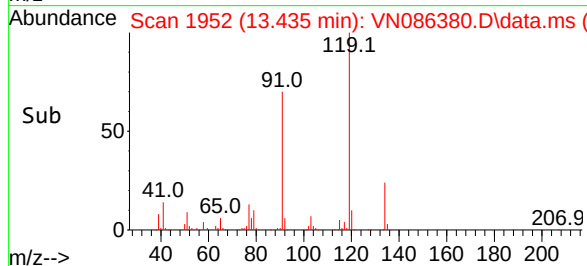
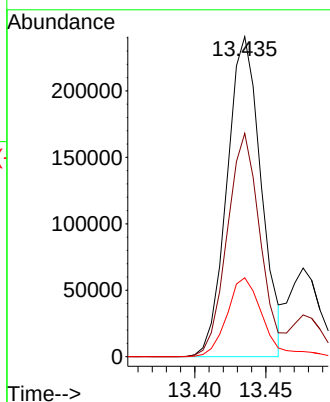
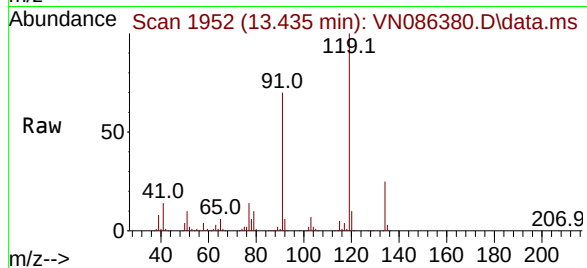
#79
tert-butylbenzene
Concen: 49.030 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:119 Resp: 401738
Ion Ratio Lower Upper
119 100
91 68.6 0.0 137.4
134 26.1 0.0 49.2

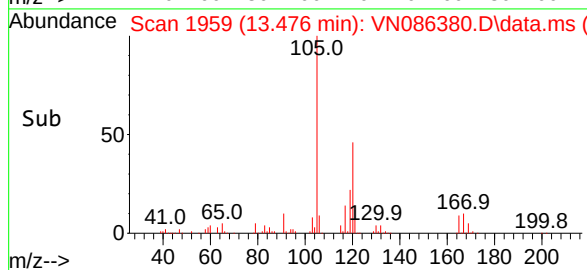
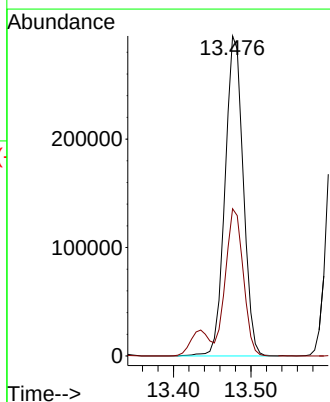
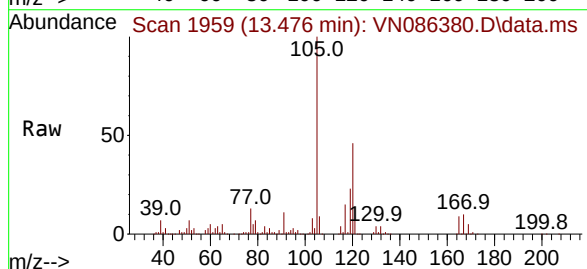
Manual Integrations
APPROVED

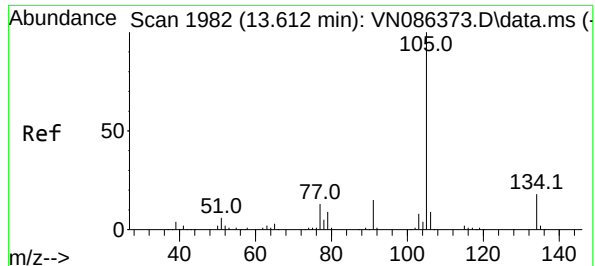
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#80
1,2,4-Trimethylbenzene
Concen: 49.278 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

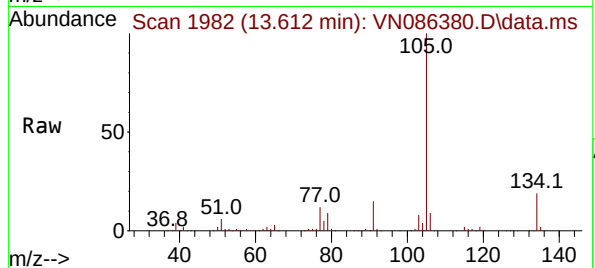
Tgt Ion:105 Resp: 481487
Ion Ratio Lower Upper
105 100
120 44.8 0.0 87.6





#81
sec-Butylbenzene
Concen: 49.282 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

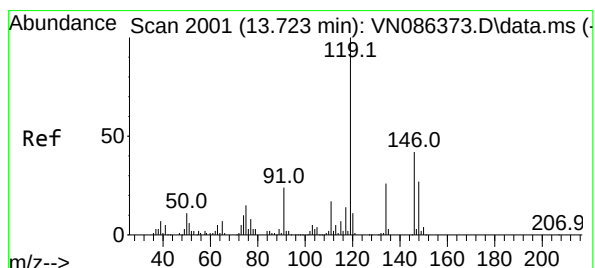
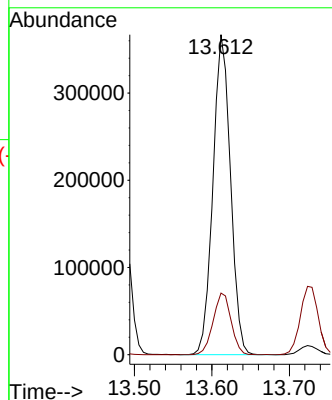
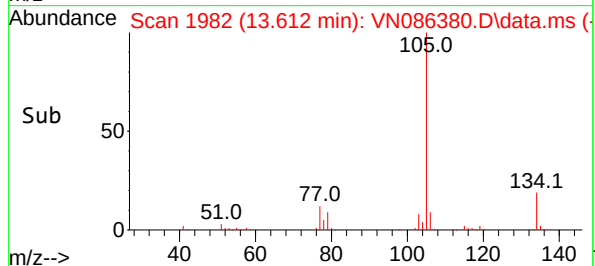
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



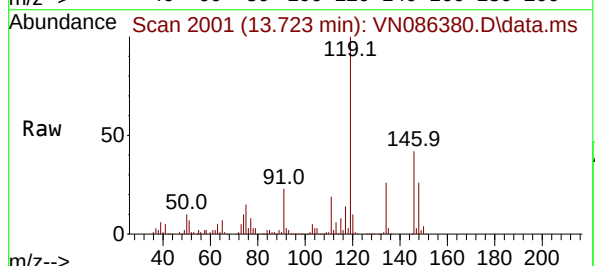
Tgt Ion:105 Resp: 57640
Ion Ratio Lower Upper
105 100
134 19.7 0.0 38.4

Manual Integrations
APPROVED

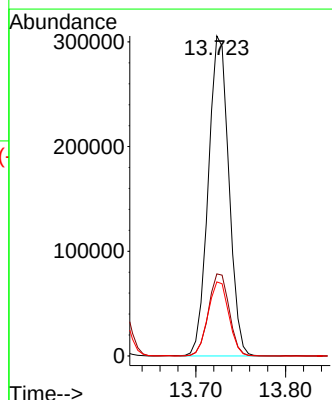
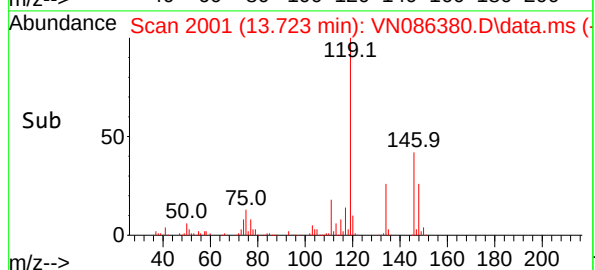
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

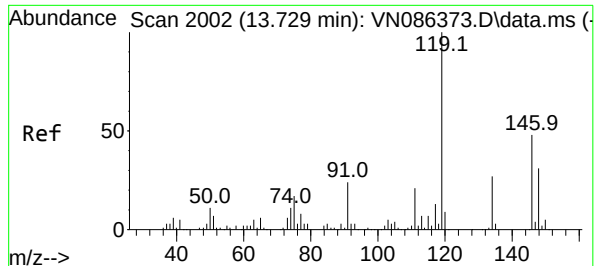


#82
p-Isopropyltoluene
Concen: 49.693 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17



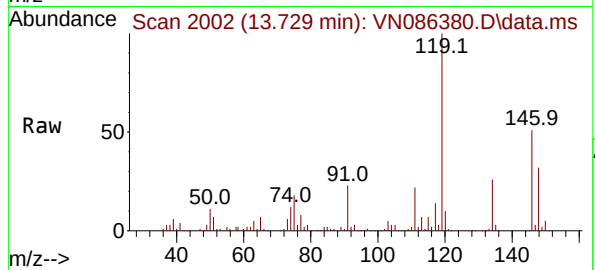
Tgt Ion:119 Resp: 486348
Ion Ratio Lower Upper
119 100
134 25.9 0.0 52.2
91 23.5 0.0 47.6





#83
1,3-Dichlorobenzene
Concen: 50.046 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

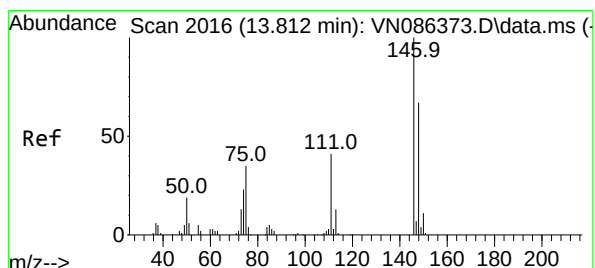
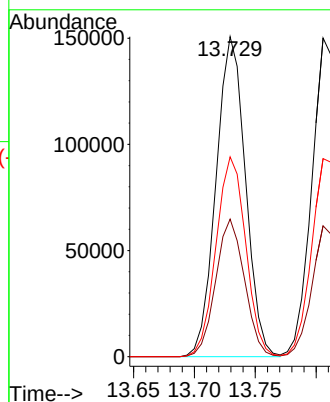
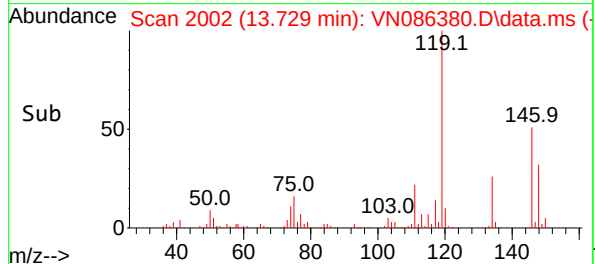
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050



Tgt Ion:146 Resp: 253600
Ion Ratio Lower Upper
146 100
111 42.1 20.7 62.1
148 63.0 32.3 96.8

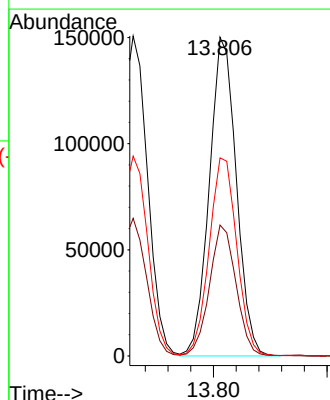
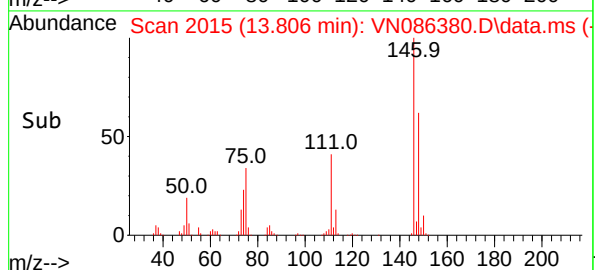
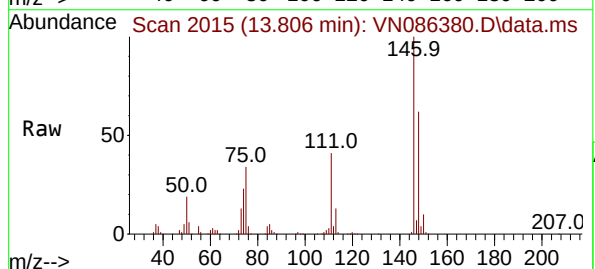
Manual Integrations
APPROVED

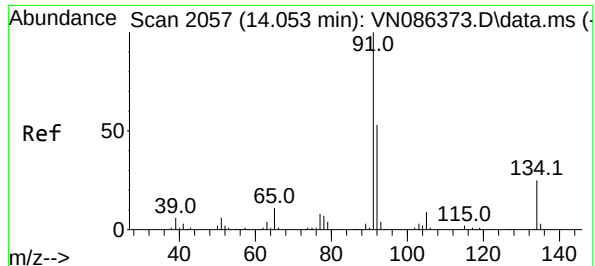
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#84
1,4-Dichlorobenzene
Concen: 49.523 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion:146 Resp: 247938
Ion Ratio Lower Upper
146 100
111 40.4 20.3 60.8
148 63.7 32.4 97.2





#85

n-Butylbenzene

Concen: 50.116 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 91 Resp: 437654

Ion Ratio Lower Upper

91 100

92 54.1 0.0 107.2

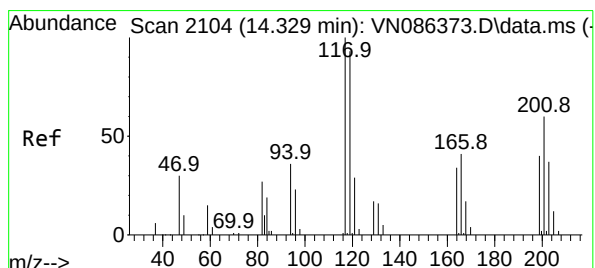
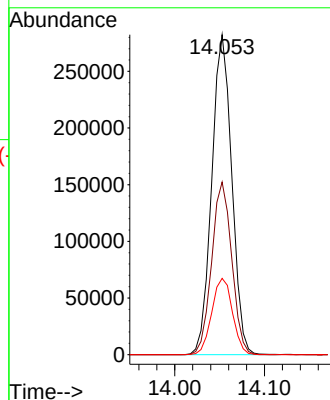
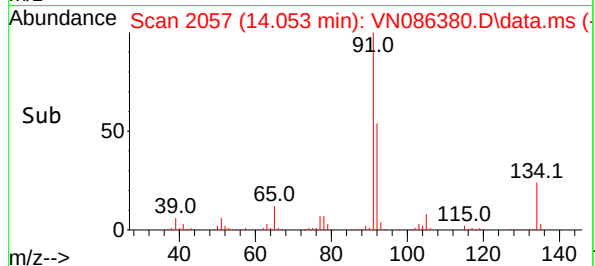
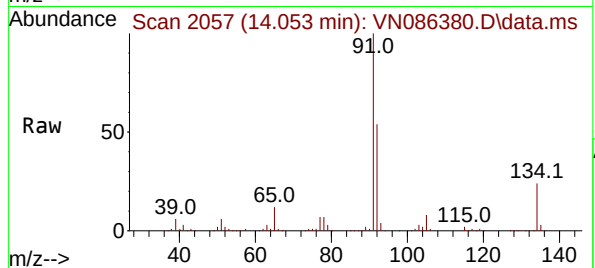
134 24.7 0.0 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#86

Hexachloroethane

Concen: 48.794 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. 0.000 min

Lab File: VN086380.D

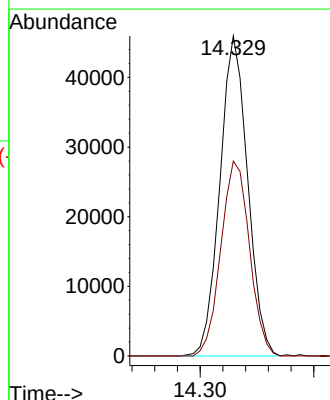
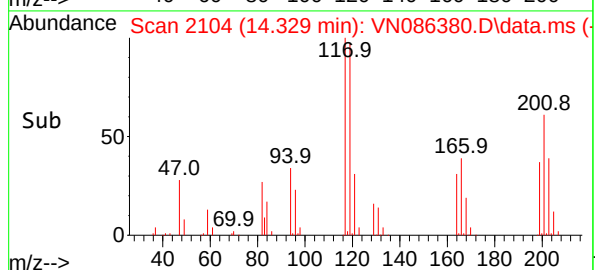
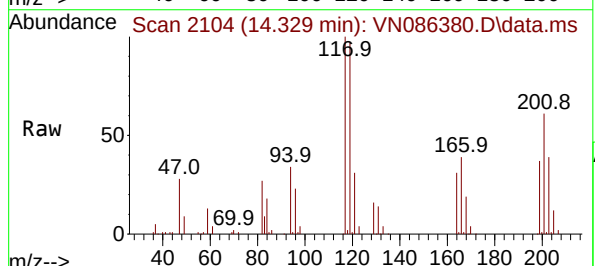
Acq: 23 Apr 2025 13:17

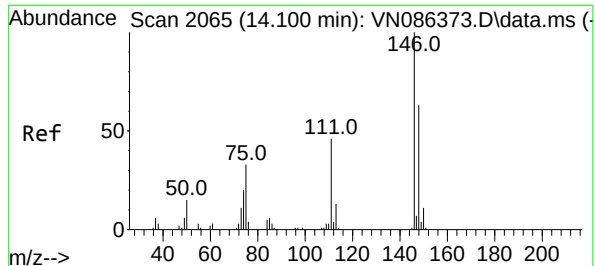
Tgt Ion:117 Resp: 78086

Ion Ratio Lower Upper

117 100

201 62.7 31.7 95.1





#87

1,2-Dichlorobenzene

Concen: 49.621 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

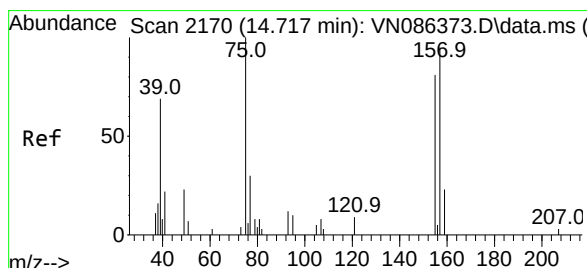
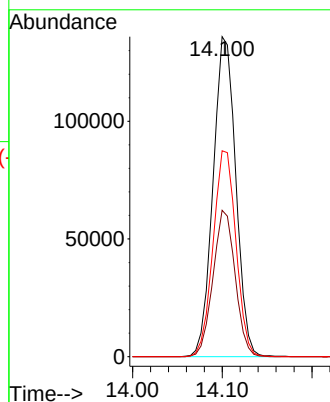
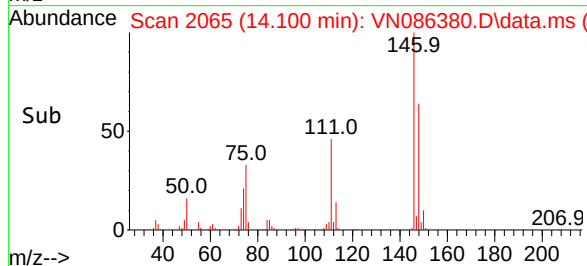
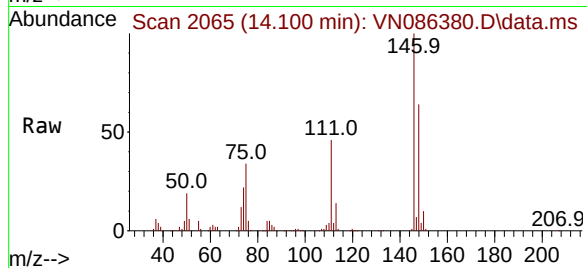
Tgt Ion:	146	Resp:	23925
Ion Ratio	Lower	Upper	
146	100		
111	44.6	22.1	66.3
148	64.7	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 50.425 ug/l

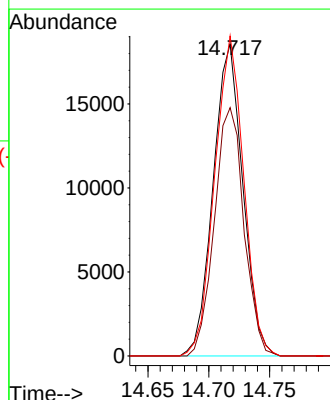
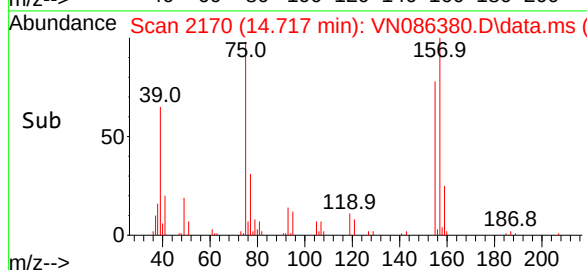
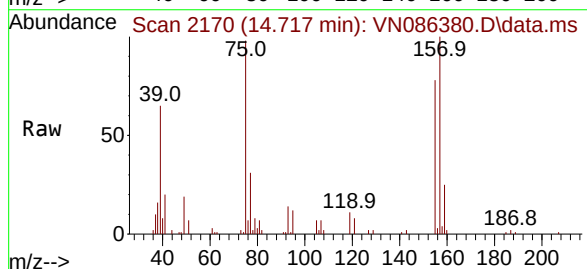
RT: 14.717 min Scan# 2170

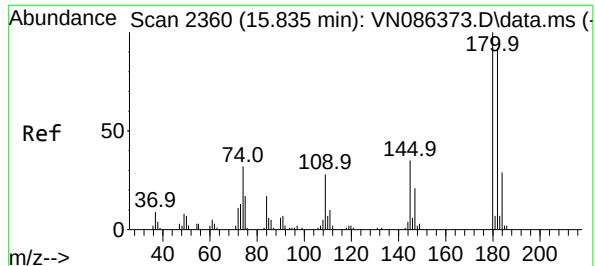
Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Tgt Ion:	75	Resp:	31467
Ion Ratio	Lower	Upper	
75	100		
155	79.3	64.0	96.0
157	100.5	78.2	117.4





#89

1,2,4-Trichlorobenzene

Concen: 52.567 ug/l

RT: 15.835 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:180 Resp: 11551

Ion Ratio Lower Upper

180 100

182 94.0 74.8 112.2

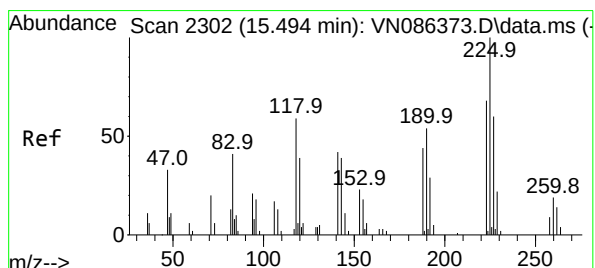
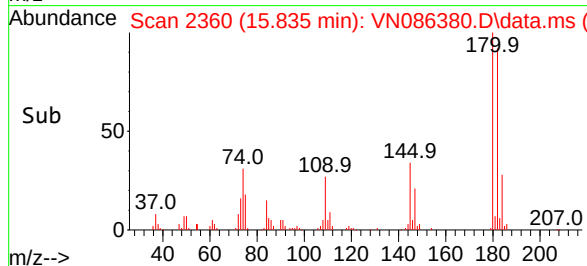
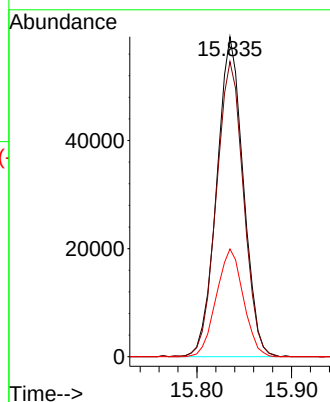
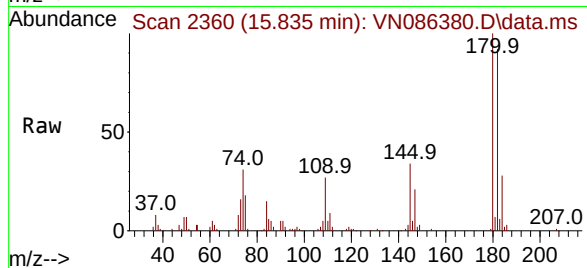
145 34.1 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#90

Hexachlorobutadiene

Concen: 51.862 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. 0.000 min

Lab File: VN086380.D

Acq: 23 Apr 2025 13:17

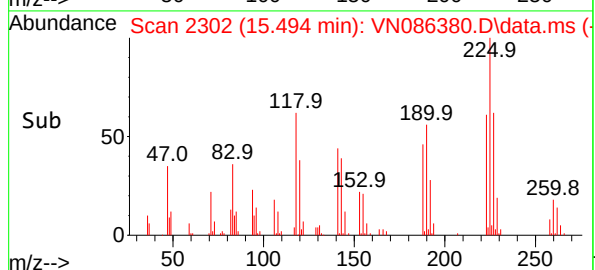
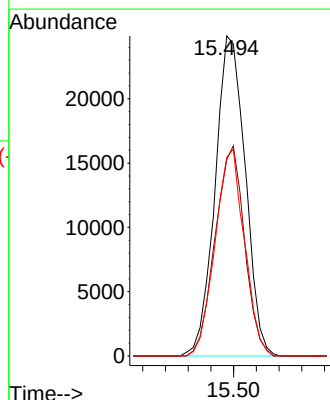
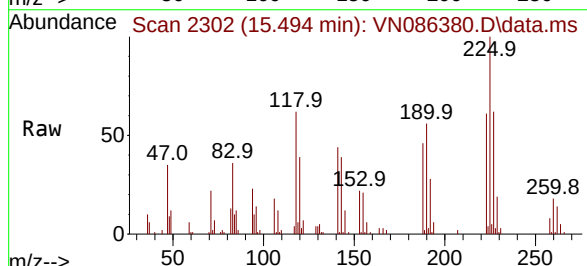
Tgt Ion:225 Resp: 45907

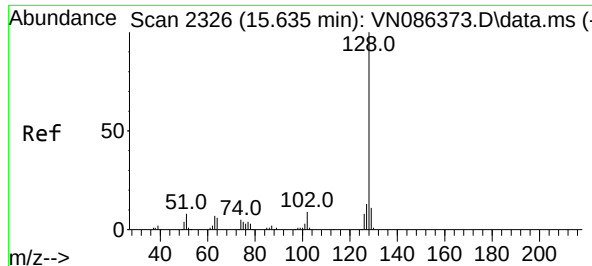
Ion Ratio Lower Upper

225 100

223 63.8 0.0 128.8

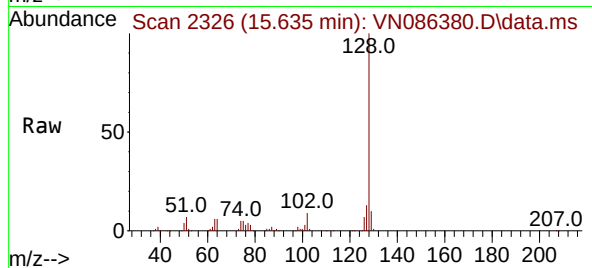
227 62.7 0.0 120.2





#91
Naphthalene
Concen: 52.908 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

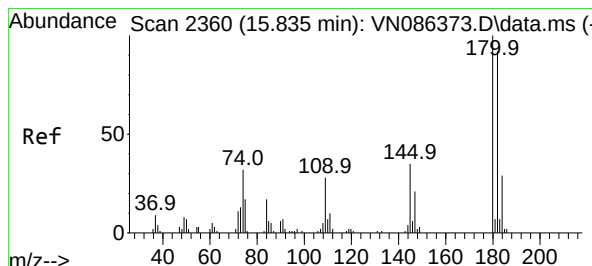
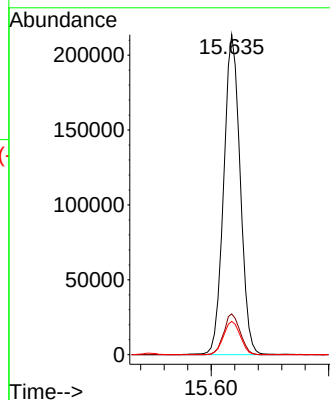
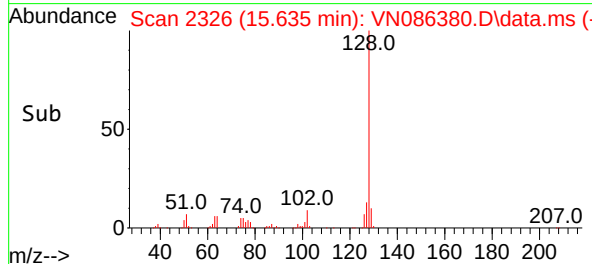
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050



Tgt Ion:128 Resp: 416250
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.6 8.7 13.1

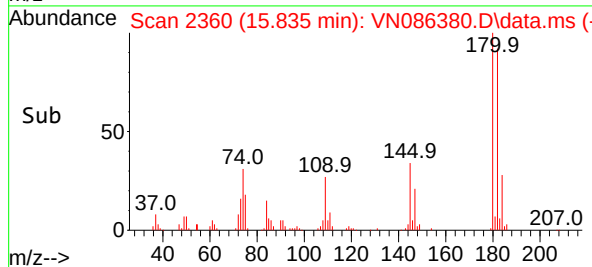
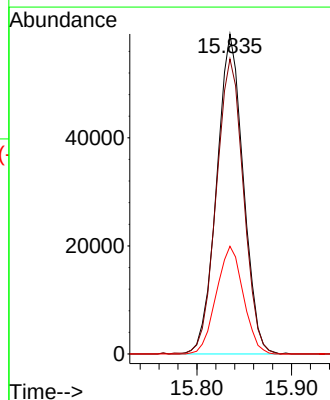
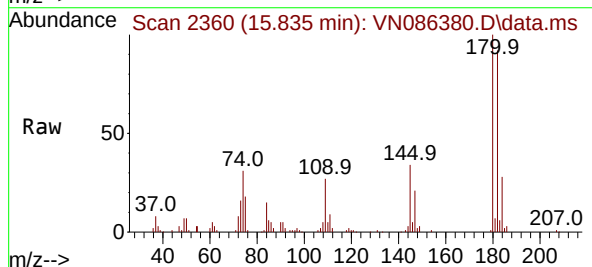
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 52.567 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086380.D
Acq: 23 Apr 2025 13:17

Tgt Ion:180 Resp: 115517
Ion Ratio Lower Upper
180 100
182 94.0 0.0 187.0
145 34.1 0.0 67.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086381.D
 Acq On : 23 Apr 2025 13:53
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042325

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:50:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	28814	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	176766	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	160412	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	84449	30.399	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.333%			
60) 4-Bromofluorobenzene	12.847	95	90439	28.685	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.633%			
63) Toluene-d8	10.565	98	265630	30.100	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41142	20.682	ug/l	95
3) Chloromethane	2.365	50	57712	20.424	ug/l	95
4) Vinyl Chloride	2.518	62	55345	20.449	ug/l	100
5) Bromomethane	2.965	94	29651	20.985	ug/l	98
6) Chloroethane	3.124	64	35793	19.838	ug/l	94
7) Trichlorofluoromethane	3.500	101	63367	19.836	ug/l	98
8) Diethyl Ether	3.965	74	27119	20.111	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	39724	20.227	ug/l	97
10) 1,1-Dichloroethene	4.336	96	39637	19.718	ug/l	98
11) Methyl Iodide	4.588	142	47322	20.120	ug/l	99
12) Methyl Acetate	5.024	43	58243	20.442	ug/l	99
13) Acrolein	4.183	56	12072	81.993	ug/l	100
14) Acrylonitrile	5.718	53	107549	101.422	ug/l	99
15) Acetone	4.430	58	31433	107.574	ug/l	88
16) Carbon Disulfide	4.712	76	109280	20.631	ug/l	99
17) Allyl chloride	5.018	41	65341	20.329	ug/l	98
18) Methylene Chloride	5.283	84	45390	19.828	ug/l	96
19) trans-1,2-Dichloroethene	5.788	96	43000	20.070	ug/l	99
20) Diisopropyl ether	6.671	45	151075	19.768	ug/l	98
21) 1,1-Dichloroethane	6.565	63	83455	19.950	ug/l	98
22) cis-1,2-Dichloroethene	7.482	96	53300	19.895	ug/l	98
23) tert-Butyl Alcohol	5.512	59	43113	104.953	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	149632	20.147	ug/l	100
25) Chloroform	7.965	83	83891	19.815	ug/l	95
26) Cyclohexane	8.253	56	72784	19.705	ug/l #	98
29) 1,1-Dichloropropene	8.365	75	59993	19.252	ug/l	99
30) 2-Butanone	7.477	43	149457	98.812	ug/l	99
31) 2,2-Dichloropropane	7.482	77	75995	18.971	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	71545	19.213	ug/l	100
33) Carbon Tetrachloride	8.359	117	58859	19.200	ug/l	97
34) Benzene	8.606	78	192366	19.408	ug/l	94
35) Methacrylonitrile	7.777	41	32722	18.965	ug/l	98
36) 1,2-Dichloroethane	8.665	62	62633	19.464	ug/l	99
37) Trichloroethene	9.347	130	47260	19.047	ug/l	92
38) Methylcyclohexane	9.600	83	69133	19.209	ug/l	99
39) 1,2-Dichloropropane	9.618	63	46678	19.063	ug/l	97
40) Dibromomethane	9.706	93	31560	19.273	ug/l	98
41) Bromodichloromethane	9.882	83	67356	19.438	ug/l	99
42) Vinyl Acetate	6.600	43	514738	98.241	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086381.D
 Acq On : 23 Apr 2025 13:53
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042325

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/24/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:50:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	56564	18.897	ug/l	99
44) Isopropyl Acetate	8.688	43	112514	19.805	ug/l	98
45) 1,4-Dioxane	9.688	88	18241	411.534	ug/l	97
46) Methyl methacrylate	9.676	41	50286	19.190	ug/l	92
47) n-amyl Acetate	12.488	43	90266	18.642	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	74255	19.167	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	78577	19.233	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	44981	19.666	ug/l	98
51) Ethyl methacrylate	10.870	69	74966	18.819	ug/l	100
52) 1,3-Dichloropropane	11.159	76	79190	19.590	ug/l	99
53) Dibromochloromethane	11.353	129	48611	18.927	ug/l	99
54) 1,2-Dibromoethane	11.465	107	44285	19.043	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	184980	98.770	ug/l	99
56) Bromoform	12.576	173	30722	18.434	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	306519	98.743	ug/l	99
59) 2-Hexanone	11.194	43	224318	98.060	ug/l	99
61) Tetrachloroethene	11.100	164	46736	19.102	ug/l	95
62) Toluene	10.629	91	207649	19.339	ug/l	97
64) Chlorobenzene	11.888	112	129646	19.378	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	43109	19.270	ug/l	99
66) Ethyl Benzene	11.959	91	233802	19.345	ug/l	99
67) m/p-Xylenes	12.070	106	177124	38.625	ug/l	99
68) o-Xylene	12.394	106	86250	19.209	ug/l	99
69) Styrene	12.406	104	144708	19.014	ug/l	100
70) Isopropylbenzene	12.694	105	215598	19.236	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	60151	20.382	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	50492m	19.624	ug/l	
73) Bromobenzene	12.976	156	49645	19.266	ug/l	98
74) n-propylbenzene	13.029	91	253908	19.064	ug/l	100
75) 2-Chlorotoluene	13.123	91	159080	19.133	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	177597	19.311	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	24658	18.884	ug/l	95
78) 4-Chlorotoluene	13.217	91	158316	19.044	ug/l	99
79) tert-butylbenzene	13.435	119	151069	19.180	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	179423	19.103	ug/l	99
81) sec-Butylbenzene	13.611	105	214645	19.091	ug/l	100
82) p-Isopropyltoluene	13.723	119	177486	18.866	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	92009	18.889	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	92122	19.142	ug/l	98
85) n-Butylbenzene	14.053	91	157496	18.762	ug/l	99
86) Hexachloroethane	14.329	117	28240	18.358	ug/l	99
87) 1,2-Dichlorobenzene	14.100	146	88423	19.078	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11808	19.684	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	42238	19.995	ug/l	98
90) Hexachlorobutadiene	15.494	225	18323	21.534	ug/l	98
91) Naphthalene	15.635	128	154380	20.413	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	42238	19.995	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086381.D
 Acq On : 23 Apr 2025 13:53
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Manual Integrations

APPROVED

Reviewed By : John Carlone 04/24/2025

Supervised By : Mahesh Dadoda 04/25/2025

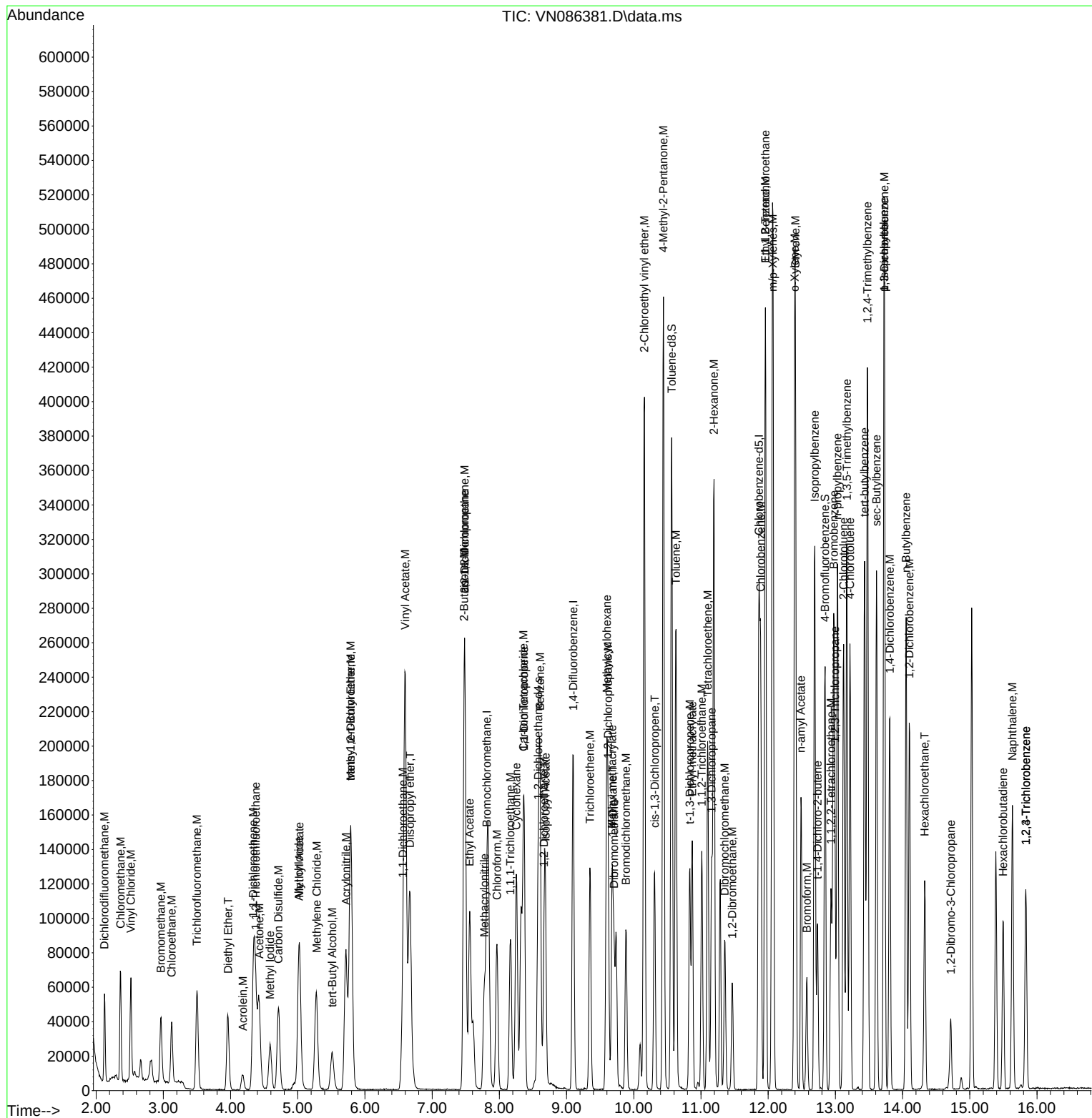
Quant Time: Apr 24 04:50:37 2025

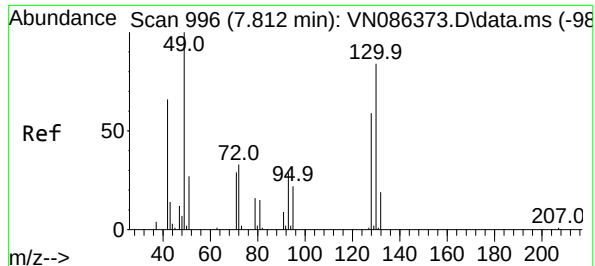
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Thu Apr 24 04:42:24 2025

Response via : Initial Calibration





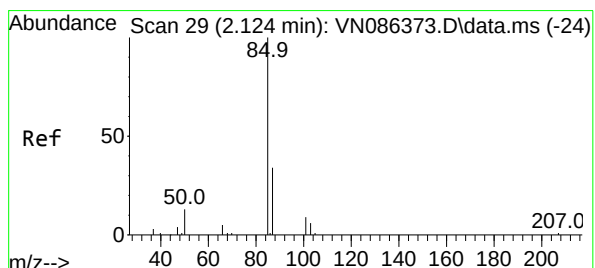
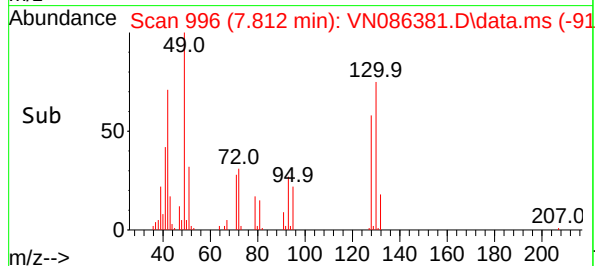
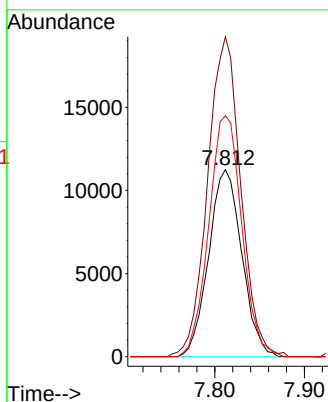
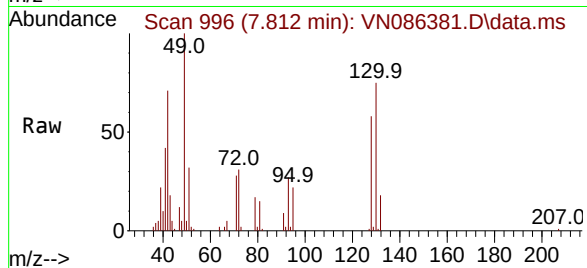
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Tgt Ion	Ratio	Lower	Upper
128	100		
49	171.1	0.0	433.8
130	128.7	0.0	325.0

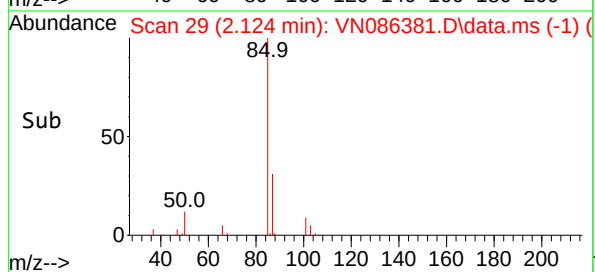
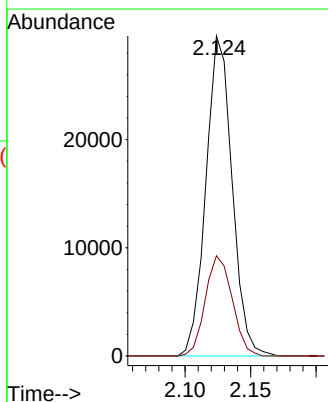
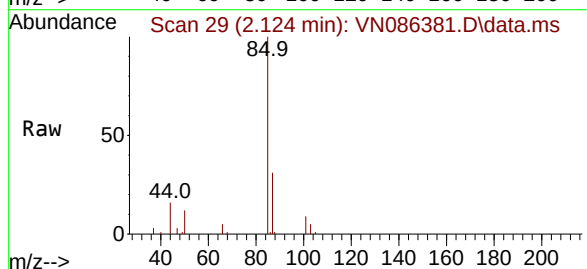
Manual Integrations
APPROVED

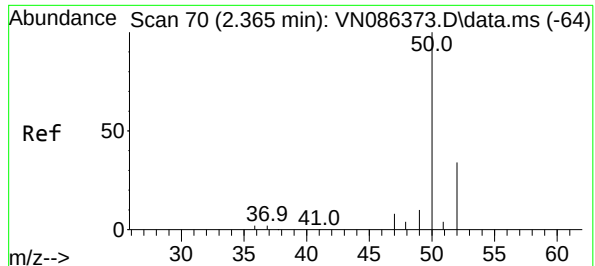
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#2
Dichlorodifluoromethane
Concen: 20.682 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

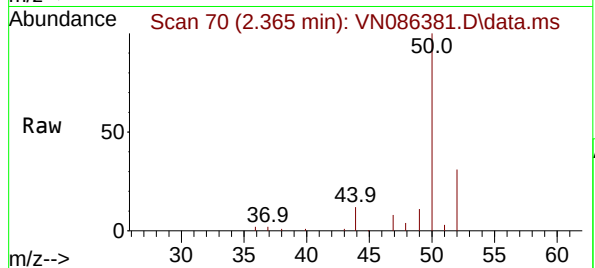
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.3	17.0	50.9





#3
Chloromethane
Concen: 20.424 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

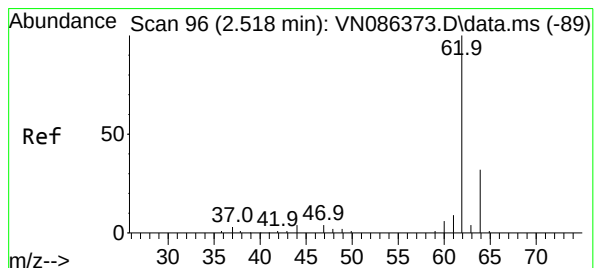
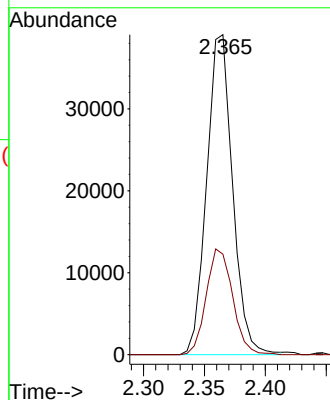
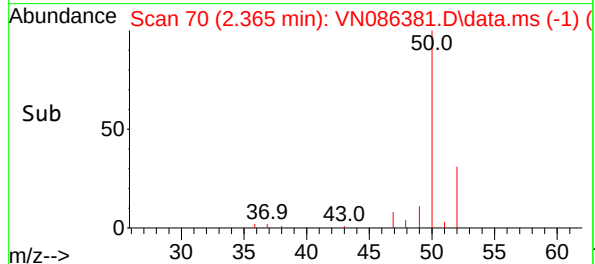
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



Tgt Ion: 50 Resp: 5771
Ion Ratio Lower Upper
50 100
52 31.4 27.3 40.9

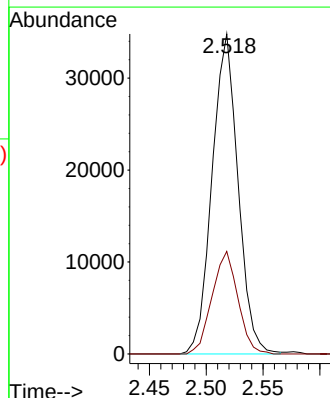
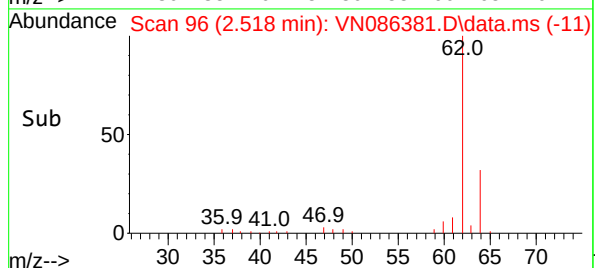
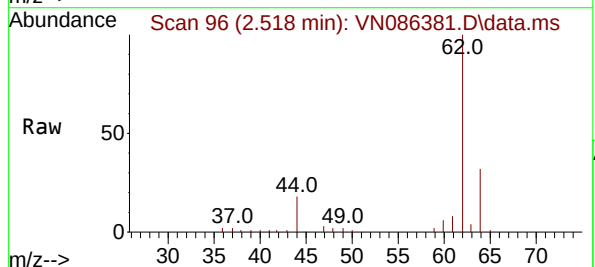
Manual Integrations
APPROVED

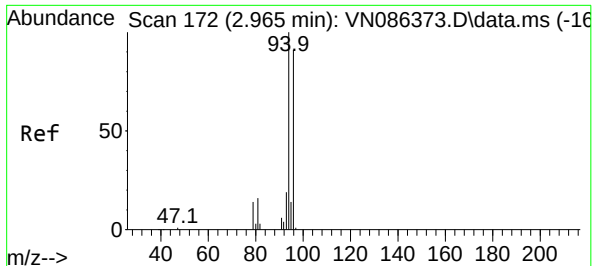
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#4
Vinyl Chloride
Concen: 20.449 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 62 Resp: 55345
Ion Ratio Lower Upper
62 100
64 32.1 25.8 38.8





#5

Bromomethane

Concen: 20.985 ug/l

RT: 2.965 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Tgt Ion: 94 Resp: 2965

Ion Ratio Lower Upper

94 100

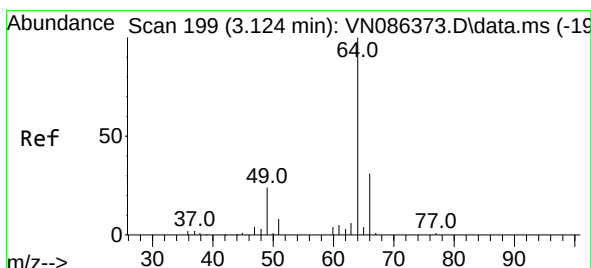
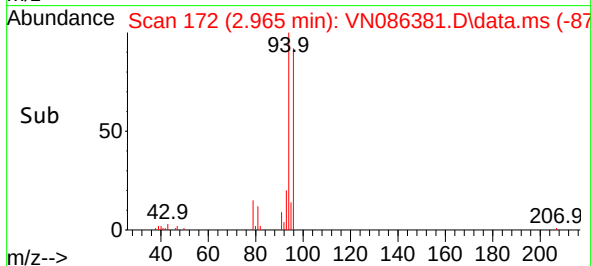
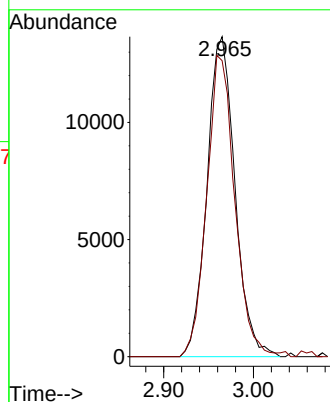
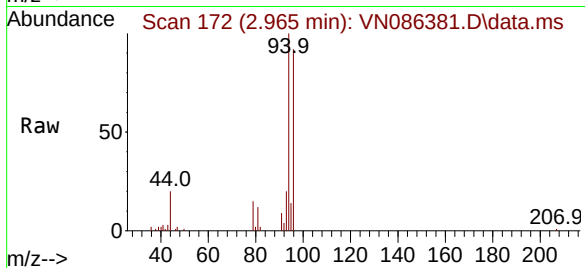
96 92.5 72.4 108.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#6

Chloroethane

Concen: 19.838 ug/l

RT: 3.124 min Scan# 199

Delta R.T. -0.000 min

Lab File: VN086381.D

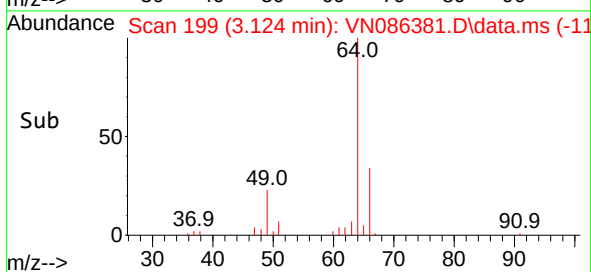
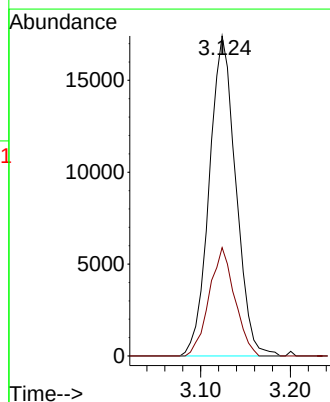
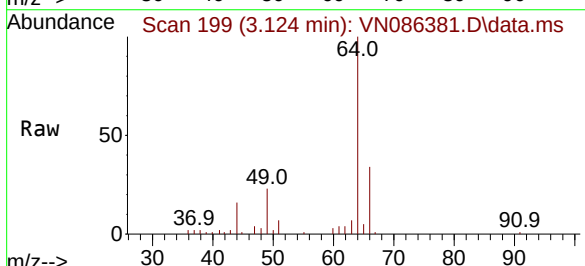
Acq: 23 Apr 2025 13:53

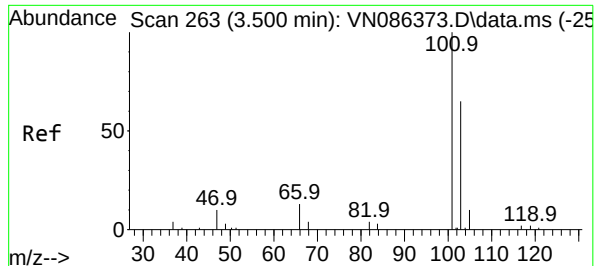
Tgt Ion: 64 Resp: 35793

Ion Ratio Lower Upper

64 100

66 33.8 24.5 36.7





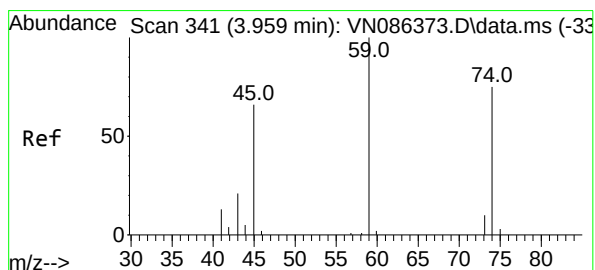
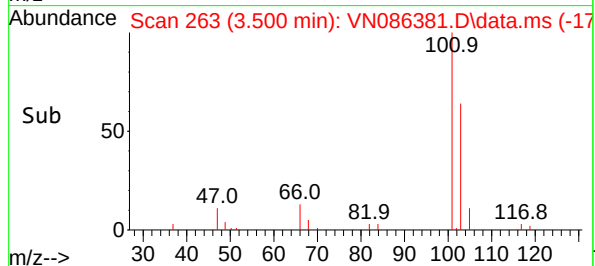
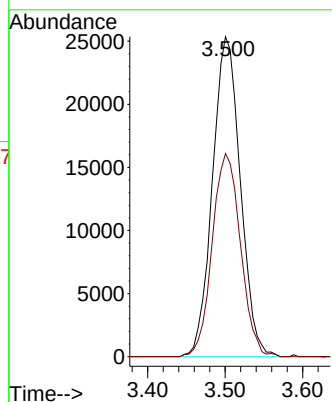
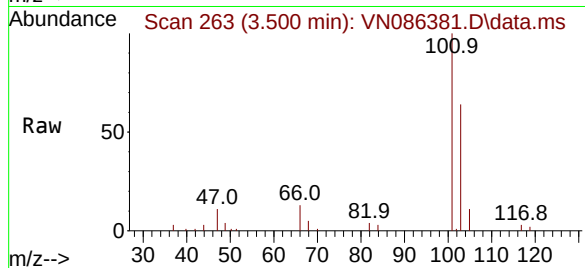
#7
Trichlorofluoromethane
Concen: 19.836 ug/l
RT: 3.500 min Scan# 201
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Tgt Ion:101 Resp: 6336
Ion Ratio Lower Upper
101 100
103 63.5 51.8 77.6

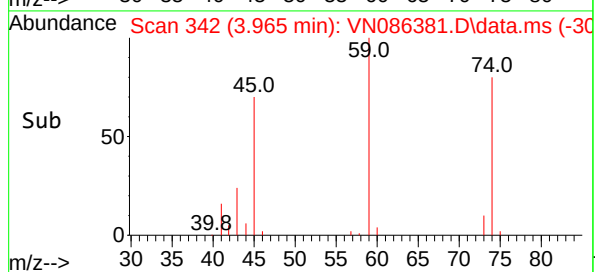
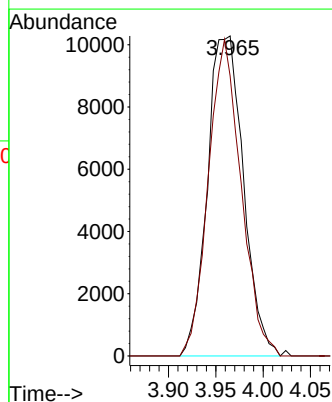
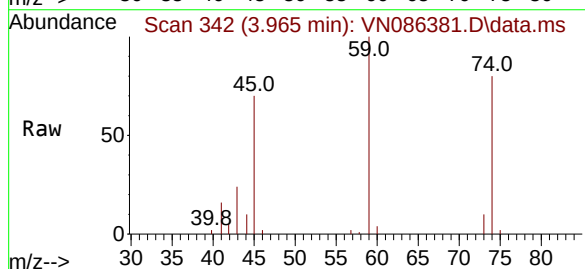
Manual Integrations
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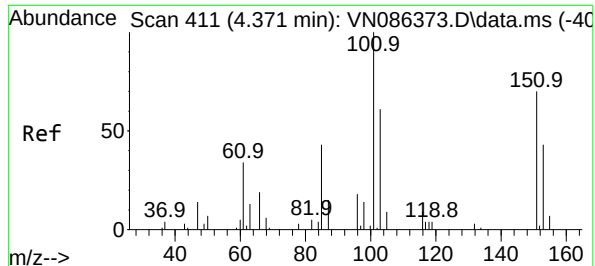
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#8
Diethyl Ether
Concen: 20.111 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.006 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 74 Resp: 27119
Ion Ratio Lower Upper
74 100
45 90.4 18.5 166.3





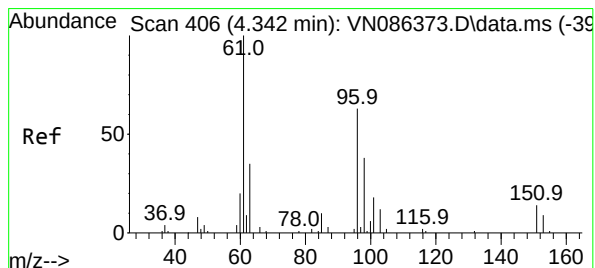
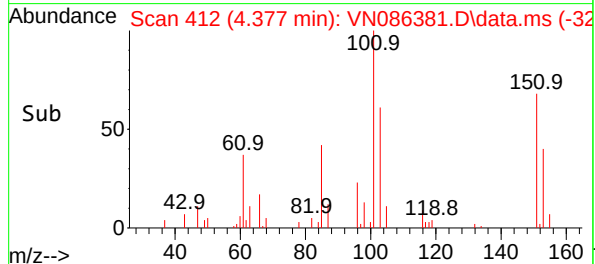
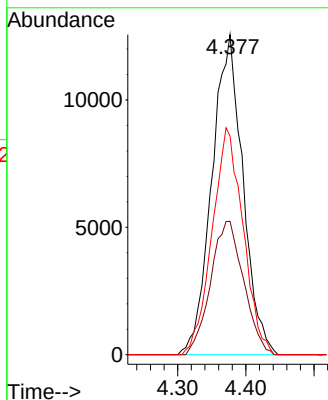
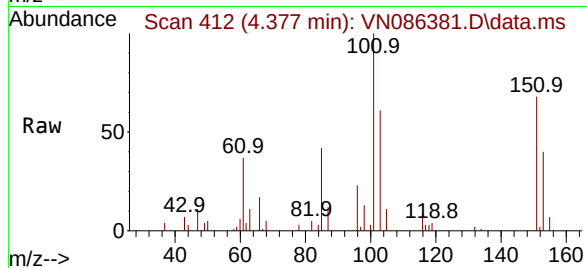
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.227 ug/l
RT: 4.377 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Tgt Ion:101 Resp: 39724
Ion Ratio Lower Upper
101 100
85 44.4 0.0 84.4
151 70.9 0.0 145.8

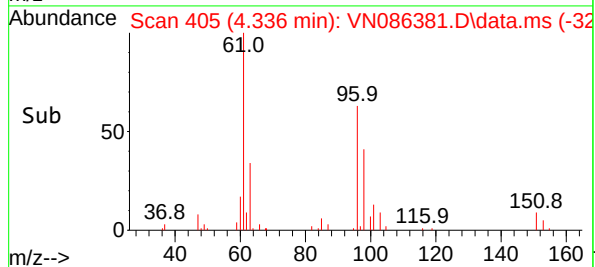
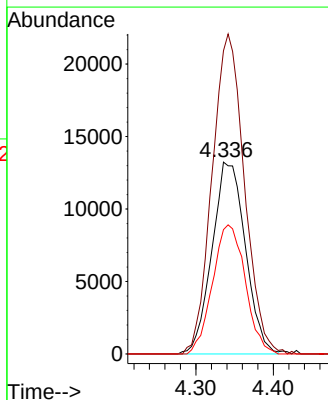
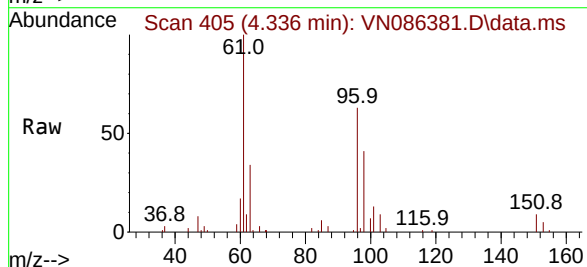
Manual Integrations
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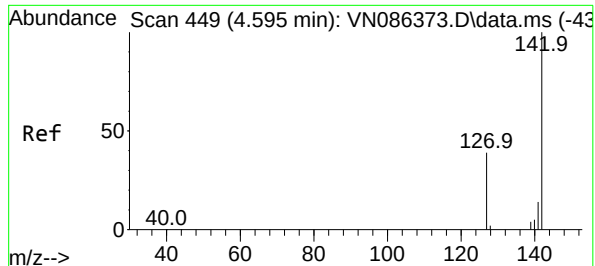
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#10
1,1-Dichloroethene
Concen: 19.718 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 96 Resp: 39637
Ion Ratio Lower Upper
96 100
61 158.1 126.2 189.4
98 64.9 48.5 72.7





#11

Methyl Iodide

Concen: 20.120 ug/l

RT: 4.588 min Scan# 449

Delta R.T. -0.006 min

Lab File: VN086381.D

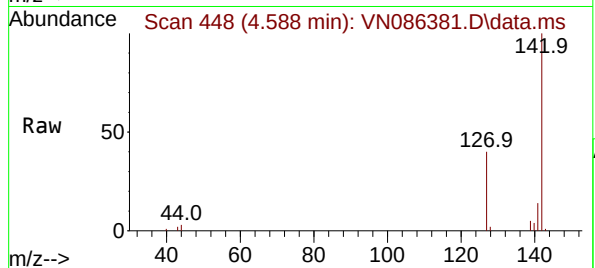
Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325



Tgt Ion:142 Resp: 4732

Ion Ratio Lower Upper

142 100

127 39.6 19.3 57.9

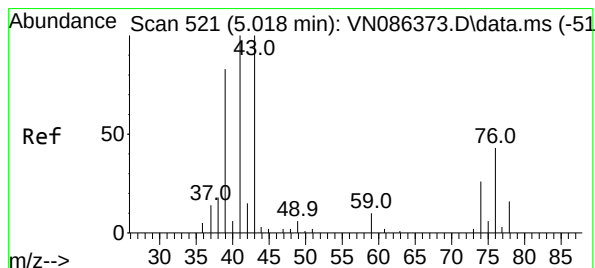
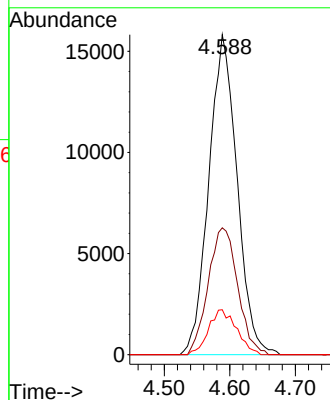
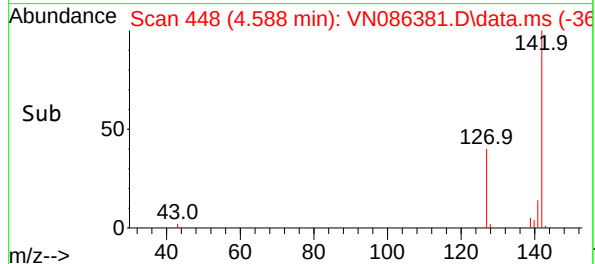
141 14.0 7.1 21.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#12

Methyl Acetate

Concen: 20.442 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086381.D

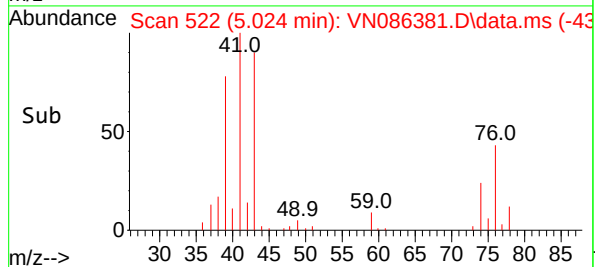
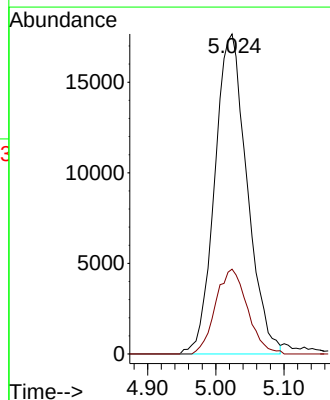
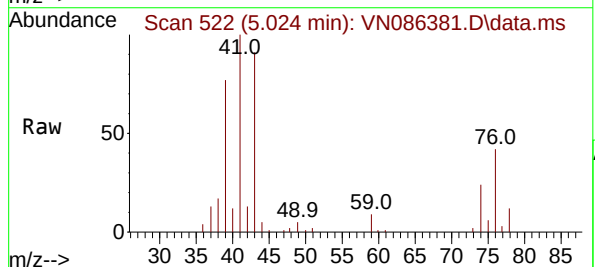
Acq: 23 Apr 2025 13:53

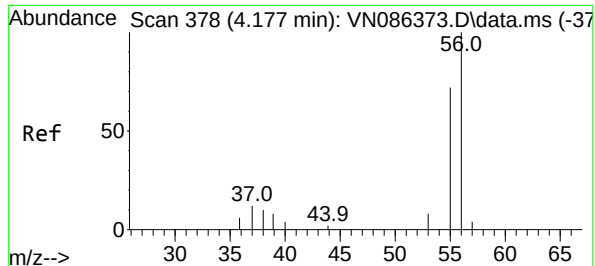
Tgt Ion: 43 Resp: 58243

Ion Ratio Lower Upper

43 100

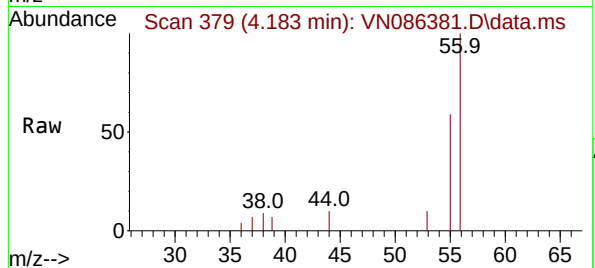
74 26.3 20.8 31.2





#13
Acrolein
Concen: 81.993 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

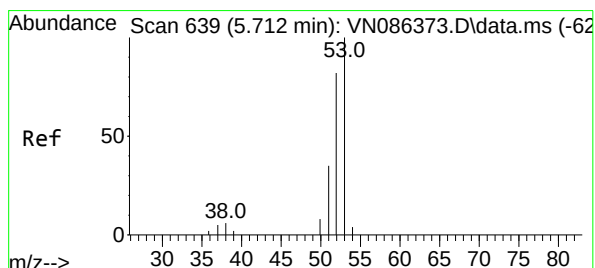
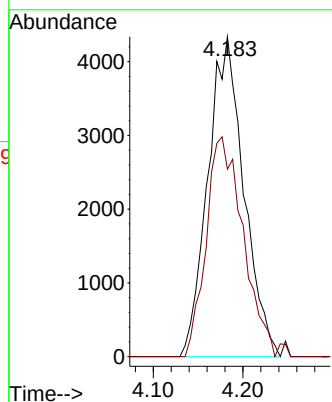
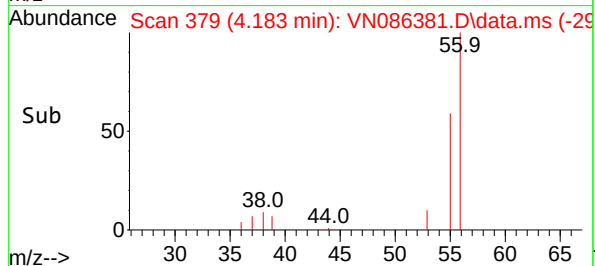
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



Tgt Ion: 56 Resp: 12072
Ion Ratio Lower Upper
56 100
55 70.2 56.1 84.1

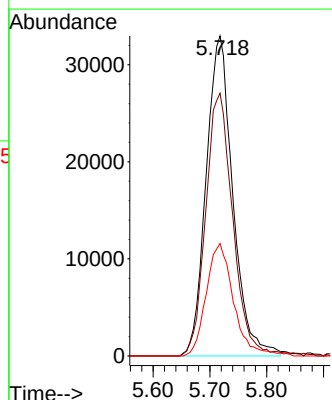
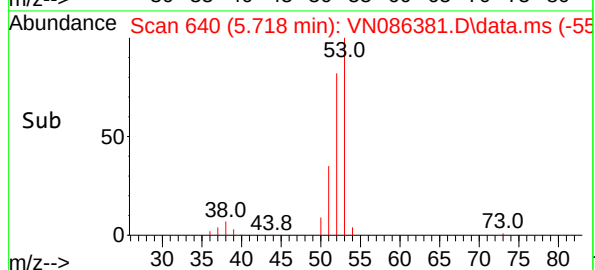
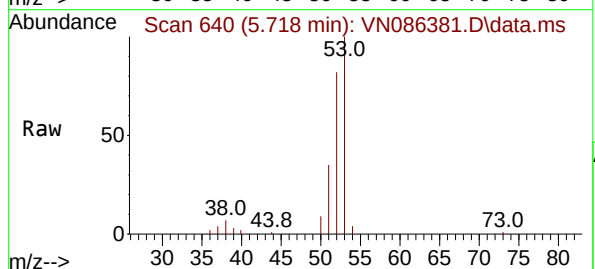
Manual Integrations
APPROVED

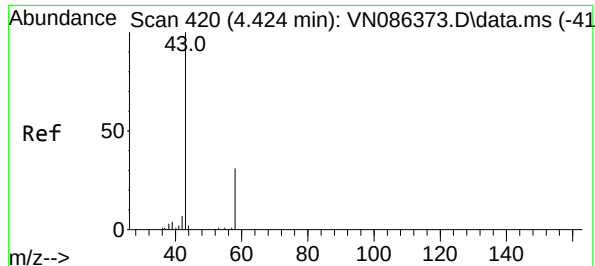
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#14
Acrylonitrile
Concen: 101.422 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 53 Resp: 107549
Ion Ratio Lower Upper
53 100
52 82.6 41.2 123.6
51 36.0 17.6 52.8





#15

Acetone

Concen: 107.574 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Tgt Ion: 58 Resp: 3143

Ion Ratio Lower Upper

58 100

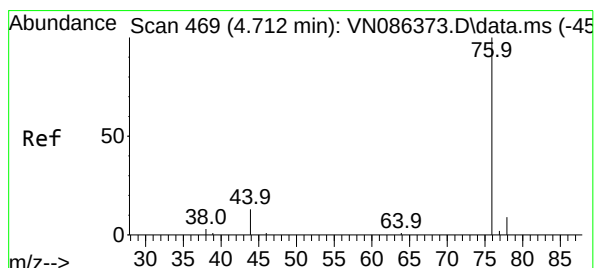
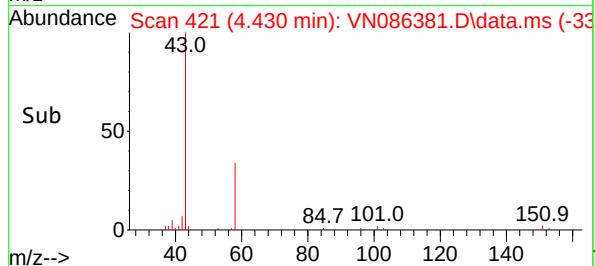
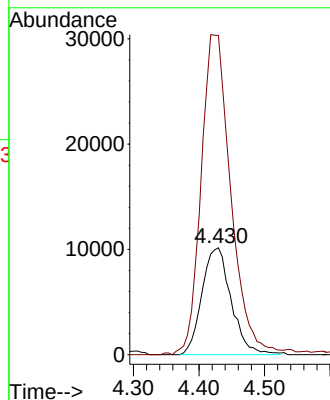
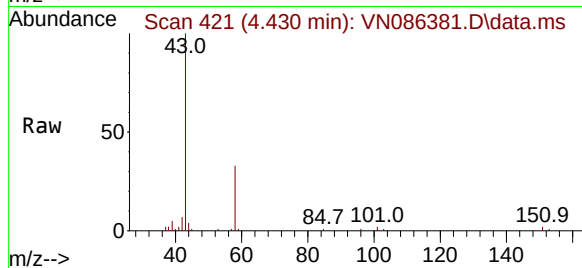
43 294.4 255.1 382.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#16

Carbon Disulfide

Concen: 20.631 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN086381.D

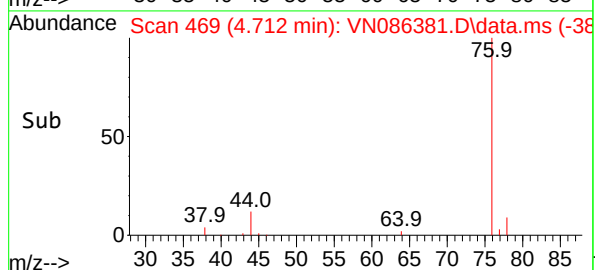
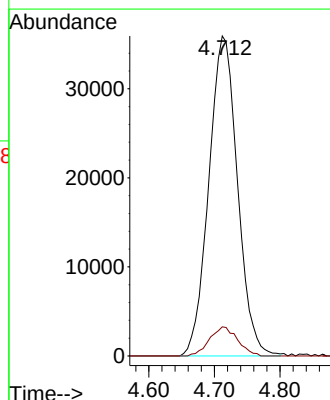
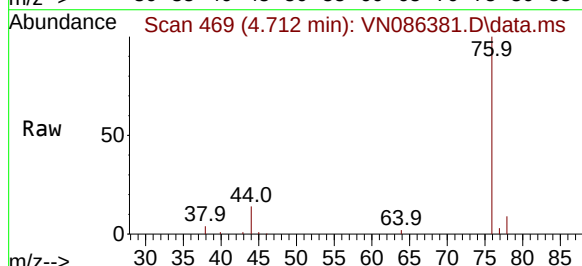
Acq: 23 Apr 2025 13:53

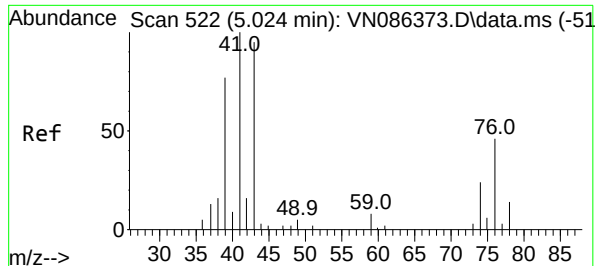
Tgt Ion: 76 Resp: 109280

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#17

Allyl chloride

Concen: 20.329 ug/l

RT: 5.018 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Tgt Ion: 41 Resp: 6534

Ion Ratio Lower Upper

41 100

39 72.7 36.7 110.1

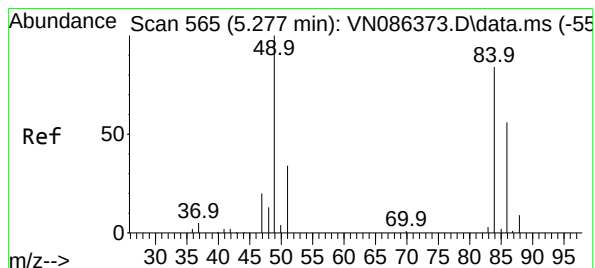
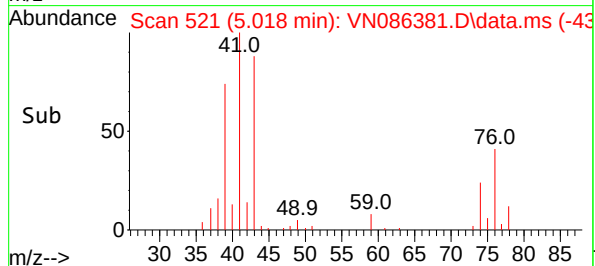
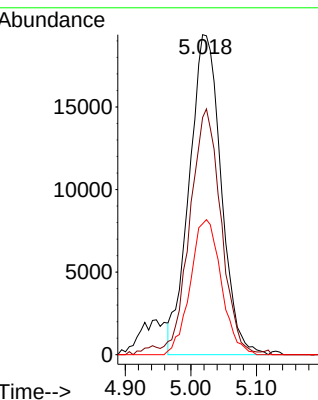
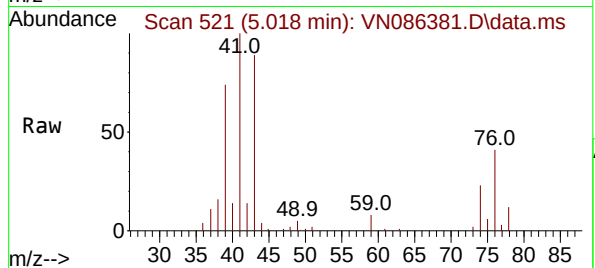
76 40.9 21.8 65.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#18

Methylene Chloride

Concen: 19.828 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Tgt Ion: 84 Resp: 45390

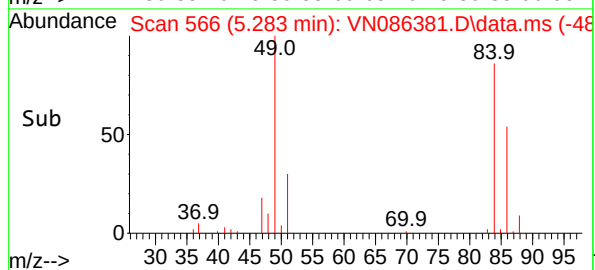
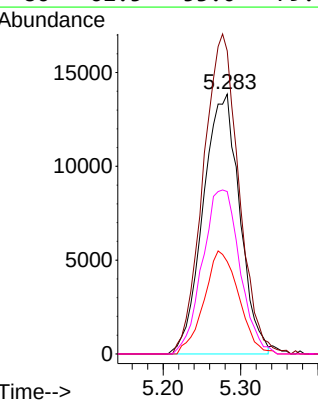
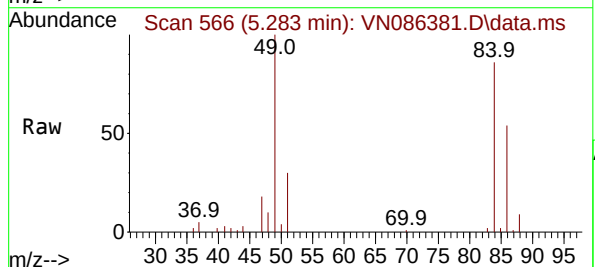
Ion Ratio Lower Upper

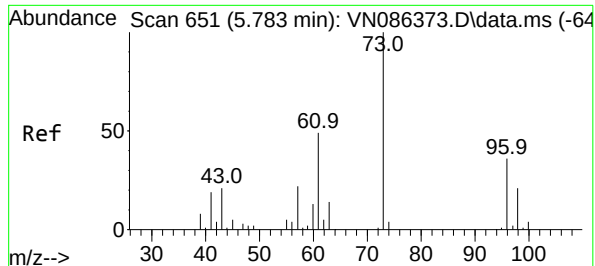
84 100

49 116.6 95.4 143.0

51 35.5 32.8 49.2

86 62.5 53.0 79.4





#19

trans-1,2-Dichloroethene

Concen: 20.070 ug/l

RT: 5.788 min Scan# 651

Delta R.T. 0.006 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Tgt Ion: 96 Resp: 43000

Ion Ratio Lower Upper

96 100

61 132.4 107.3 160.9

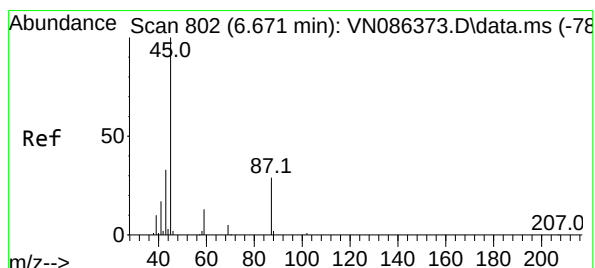
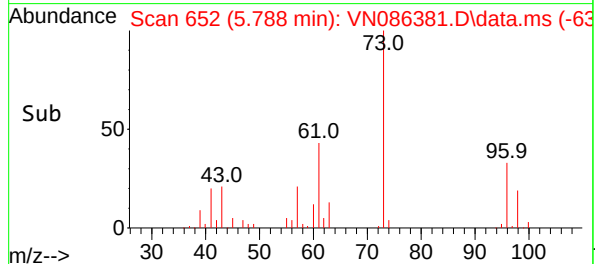
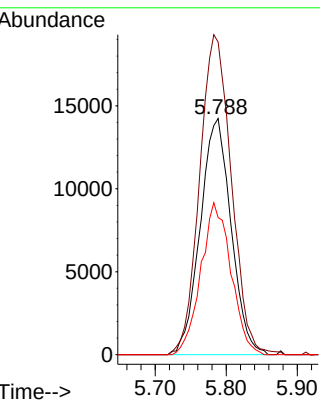
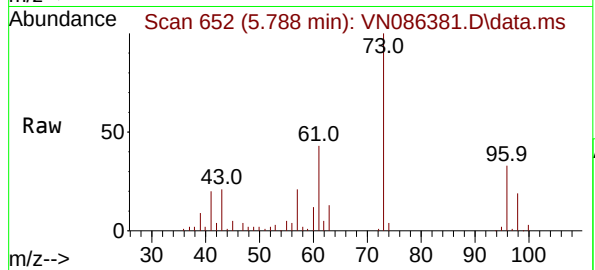
98 58.1 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#20

Diisopropyl ether

Concen: 19.768 ug/l

RT: 6.671 min Scan# 802

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Tgt Ion: 45 Resp: 151075

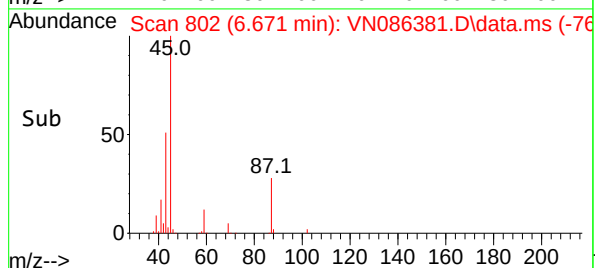
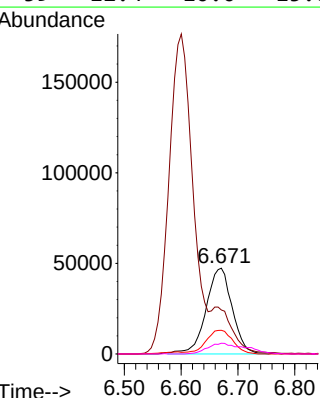
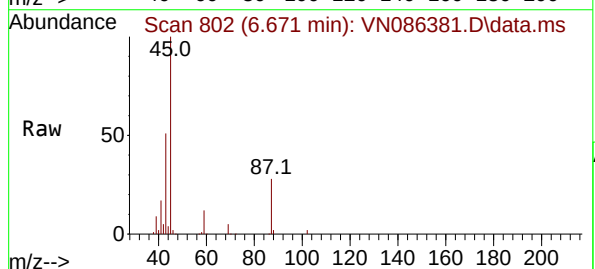
Ion Ratio Lower Upper

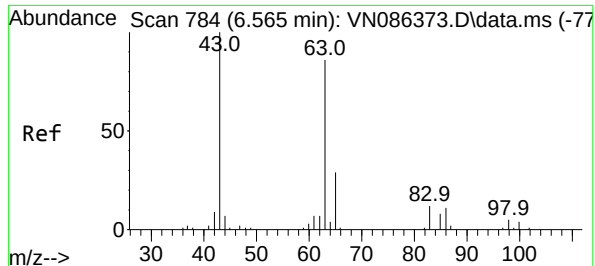
45 100

43 49.5 38.8 58.2

87 27.5 23.5 35.3

59 12.4 10.0 15.0





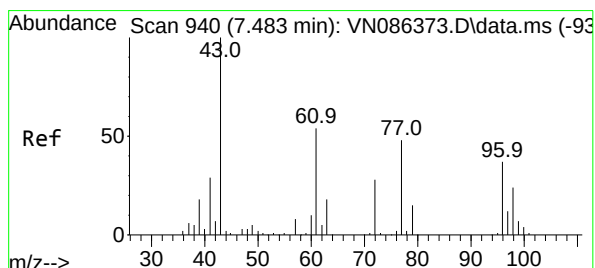
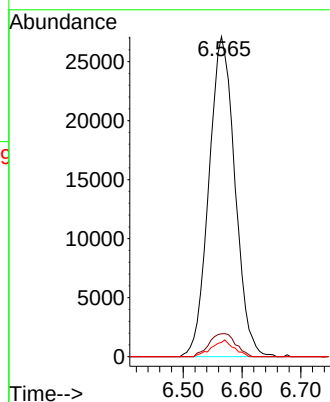
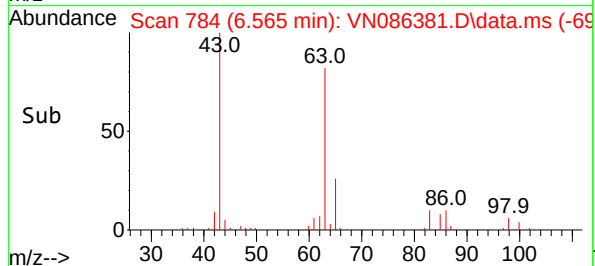
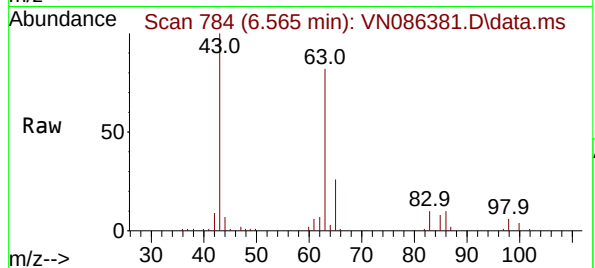
#21
1,1-Dichloroethane
Concen: 19.950 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Tgt Ion: 63 Resp: 8345
Ion Ratio Lower Upper
63 100
98 7.2 3.0 9.2
100 4.4 2.3 6.8

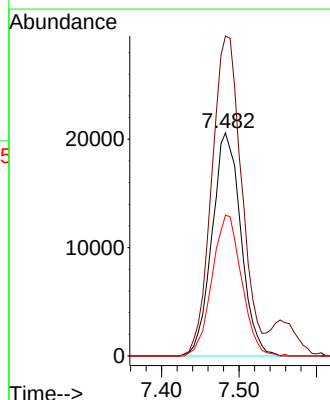
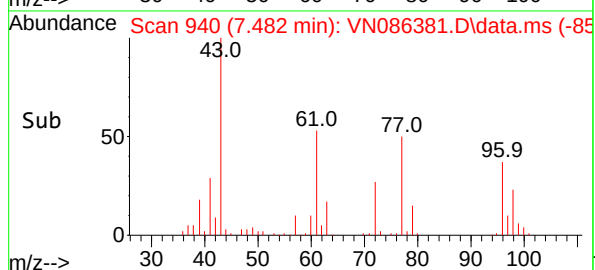
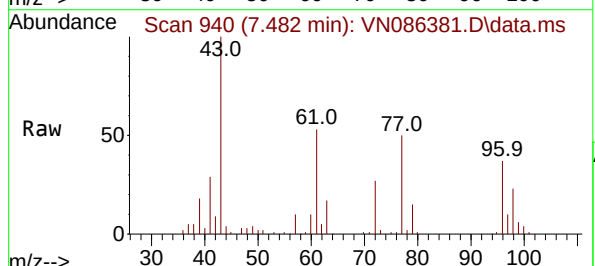
Manual Integrations
APPROVED

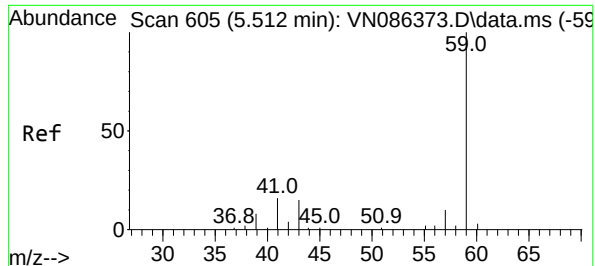
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#22
cis-1,2-Dichloroethene
Concen: 19.895 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 96 Resp: 53300
Ion Ratio Lower Upper
96 100
61 148.0 120.6 181.0
98 64.4 51.8 77.6





#23

tert-Butyl Alcohol

Concen: 104.953 ug/l

RT: 5.512 min Scan# 605

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Tgt Ion: 59 Resp: 4311

Ion Ratio Lower Upper

59 100

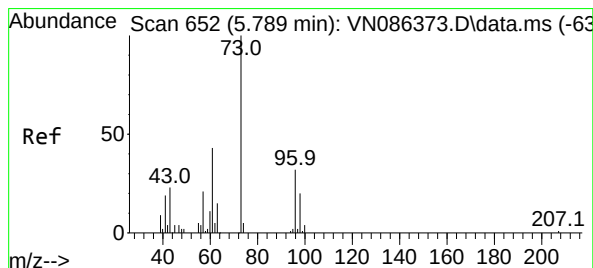
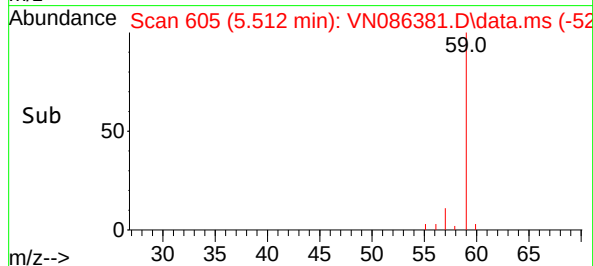
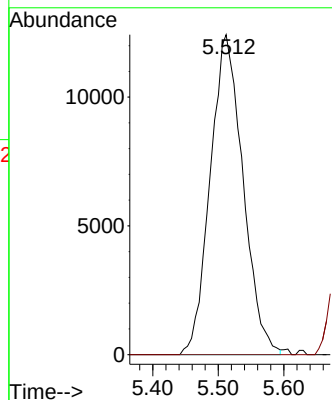
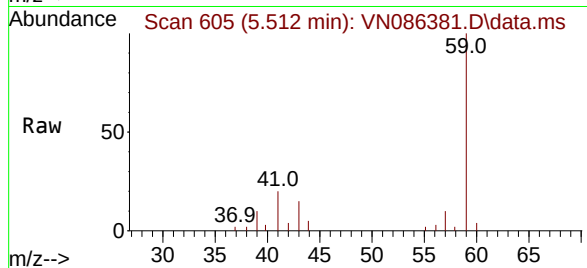
52 0.0 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#24

Methyl tert-Butyl Ether

Concen: 20.147 ug/l

RT: 5.788 min Scan# 652

Delta R.T. -0.000 min

Lab File: VN086381.D

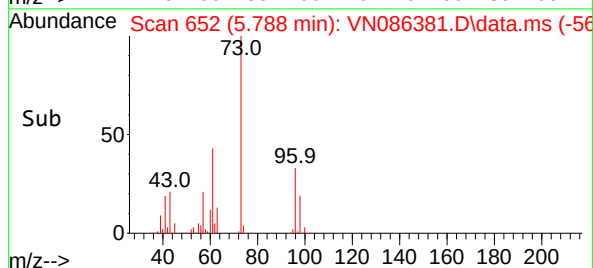
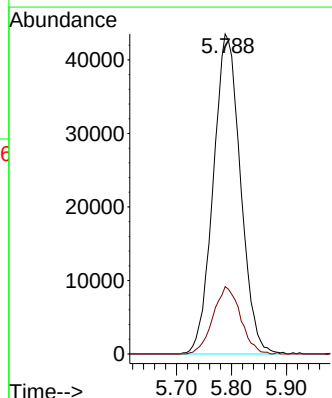
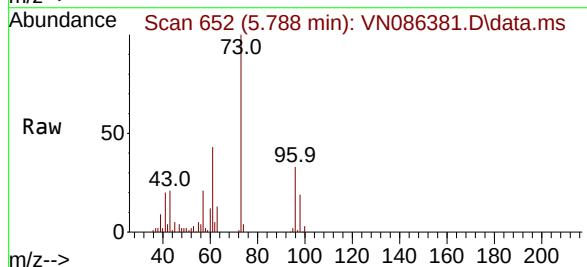
Acq: 23 Apr 2025 13:53

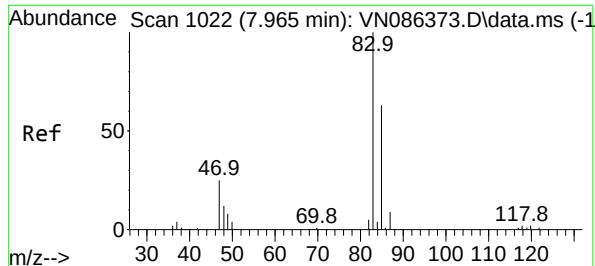
Tgt Ion: 73 Resp: 149632

Ion Ratio Lower Upper

73 100

43 21.2 17.1 25.7





#25

Chloroform

Concen: 19.815 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Tgt Ion: 83 Resp: 8389

Ion Ratio Lower Upper

83 100

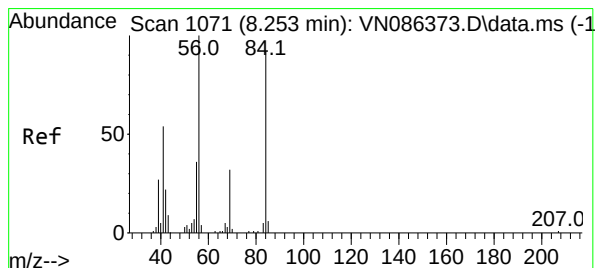
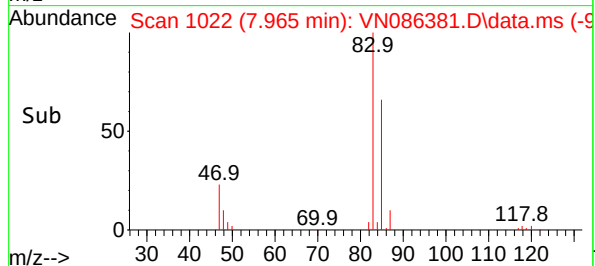
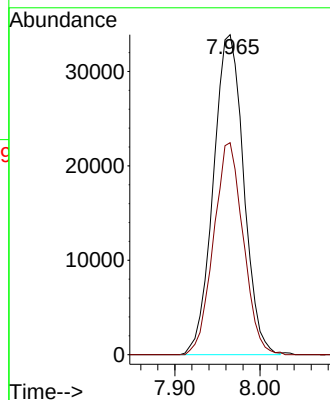
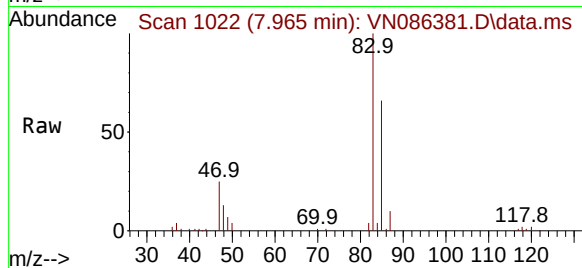
85 66.2 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#26

Cyclohexane

Concen: 19.705 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

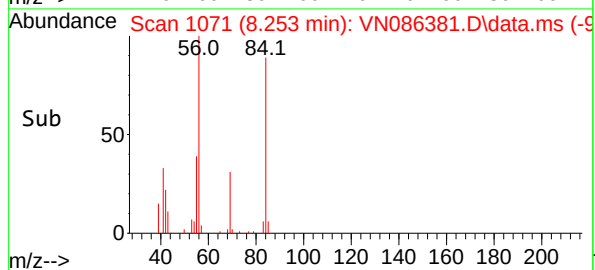
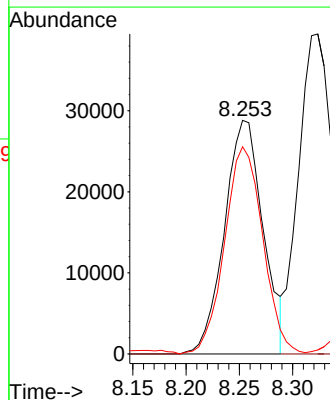
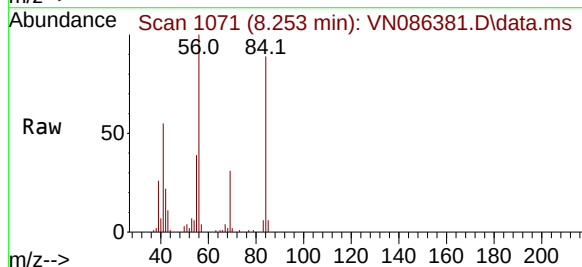
Tgt Ion: 56 Resp: 72784

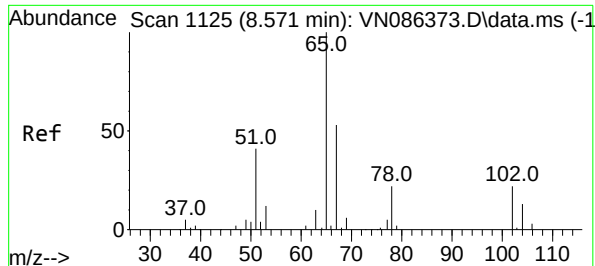
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 87.6 71.5 107.3





#27

1,2-Dichloroethane-d4

Concen: 30.399 ug/l

RT: 8.576 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Tgt Ion: 65 Resp: 84449

Ion Ratio Lower Upper

65 100

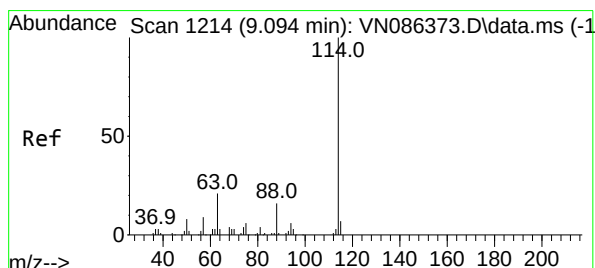
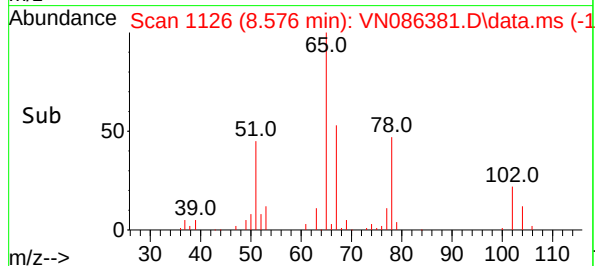
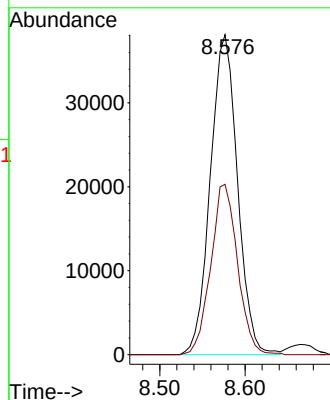
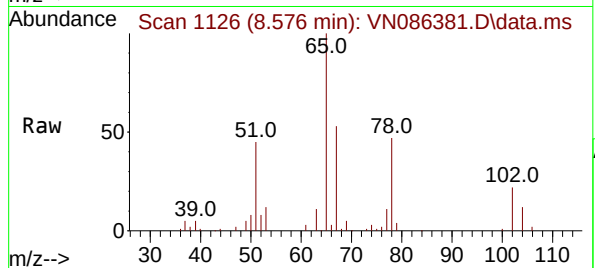
67 52.4 42.5 63.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

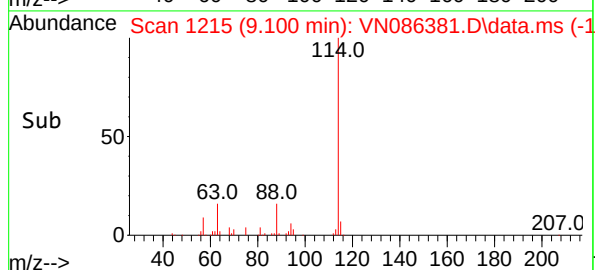
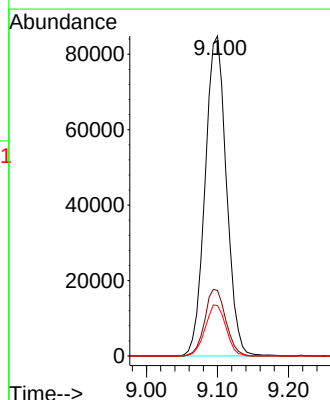
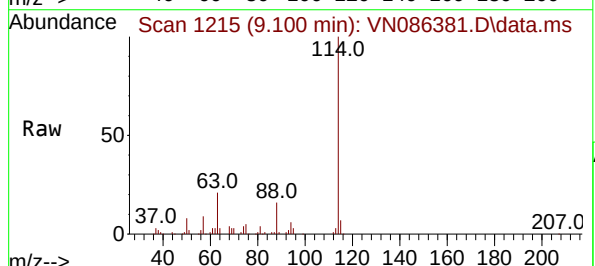
Tgt Ion:114 Resp: 176766

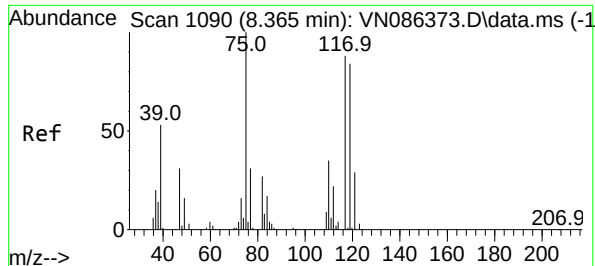
Ion Ratio Lower Upper

114 100

63 20.6 16.7 25.1

88 15.5 12.6 19.0





#29

1,1-Dichloropropene

Concen: 19.252 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

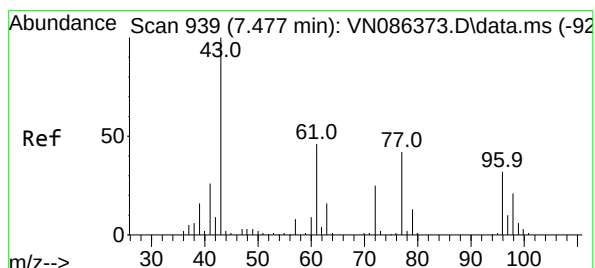
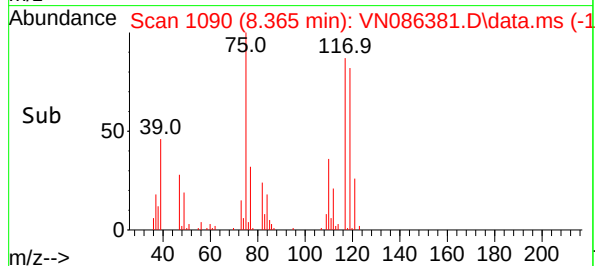
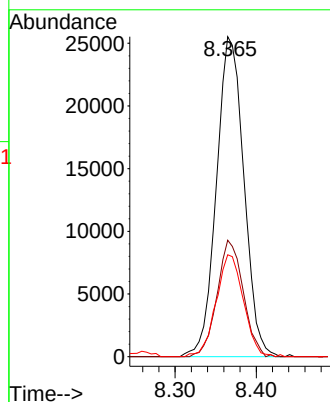
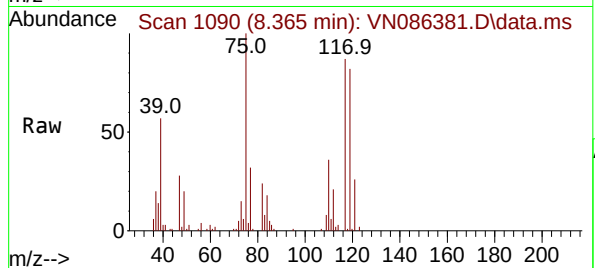
Tgt Ion:	75	Resp:	5999
Ion	Ratio	Lower	Upper
75	100		
110	34.6	0.0	68.0
77	31.5	0.0	61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#30

2-Butanone

Concen: 98.812 ug/l

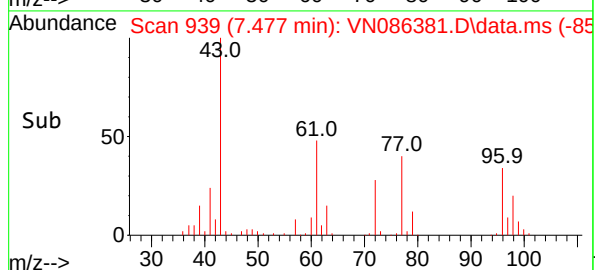
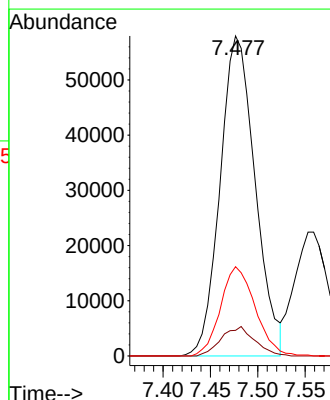
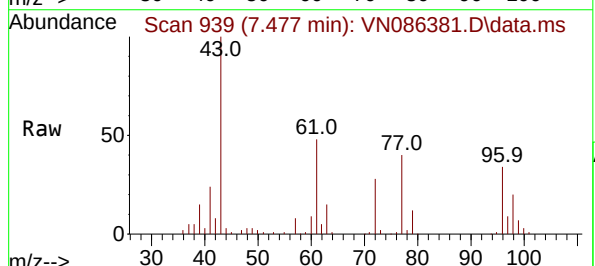
RT: 7.477 min Scan# 939

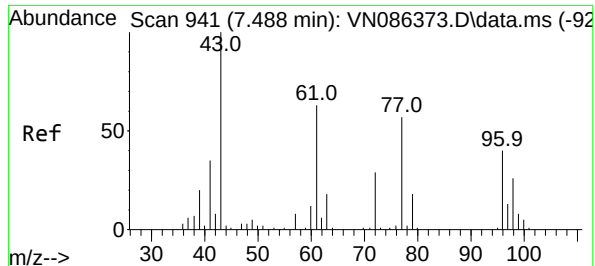
Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Tgt Ion:	43	Resp:	149457
Ion	Ratio	Lower	Upper
43	100		
57	8.8	6.6	10.0
72	27.5	22.2	33.4





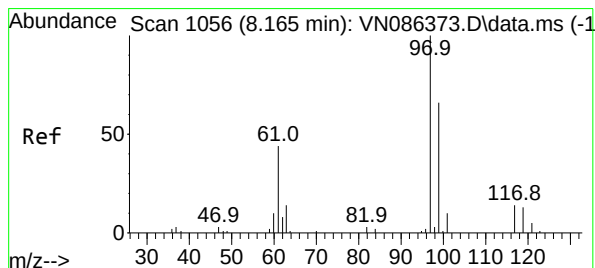
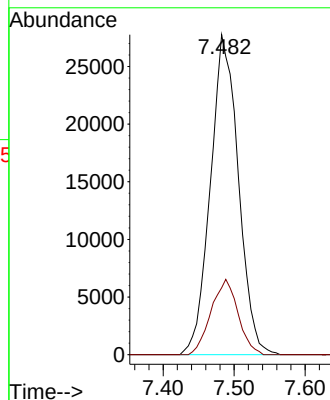
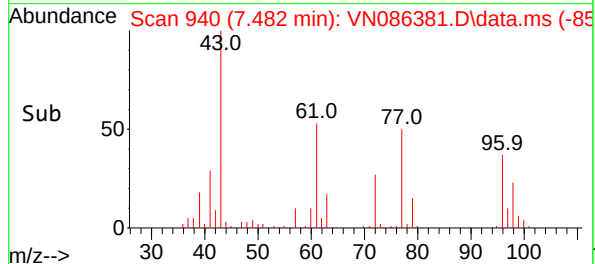
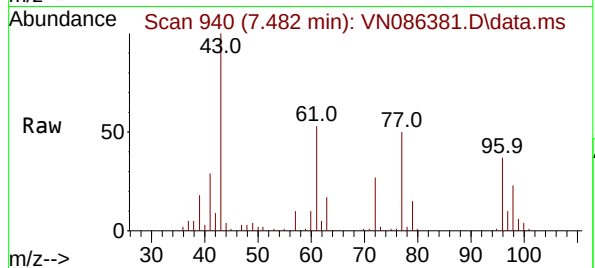
#31
2,2-Dichloropropane
Concen: 18.971 ug/l
RT: 7.482 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
ICNVN042325

Tgt Ion: 77 Resp: 7599
Ion Ratio Lower Upper
77 100
97 22.7 18.2 27.2

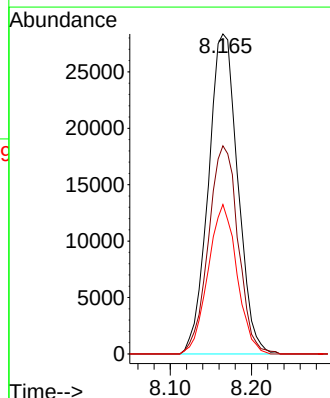
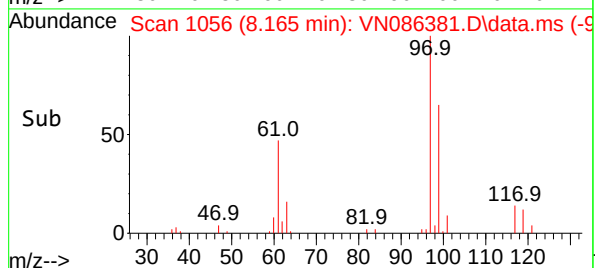
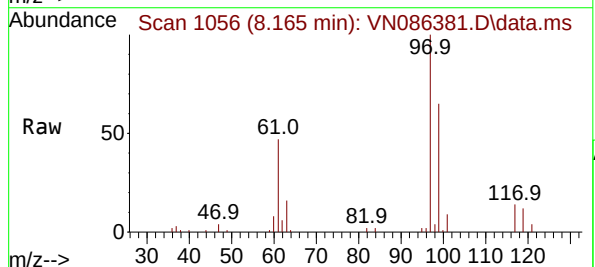
Manual Integrations
APPROVED

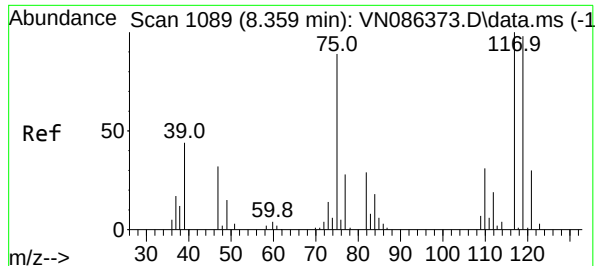
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#32
1,1,1-Trichloroethane
Concen: 19.213 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

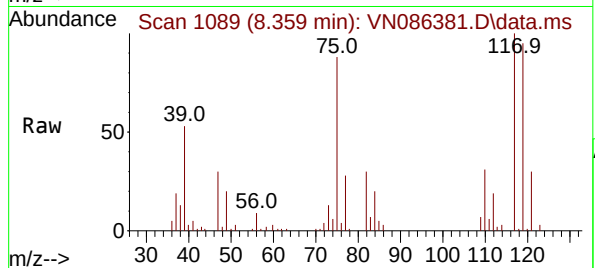
Tgt Ion: 97 Resp: 71545
Ion Ratio Lower Upper
97 100
99 65.6 52.6 79.0
61 45.8 36.4 54.6





#33
Carbon Tetrachloride
Concen: 19.200 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

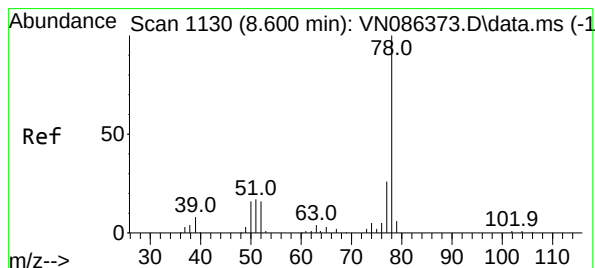
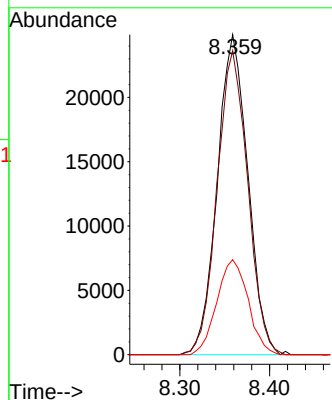
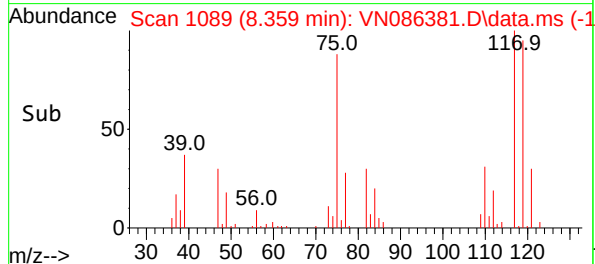
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



Tgt Ion: 117 Resp: 5885
Ion Ratio Lower Upper
117 100
119 95.0 78.6 117.8
121 29.7 24.0 36.0

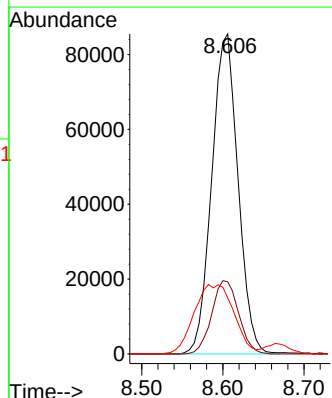
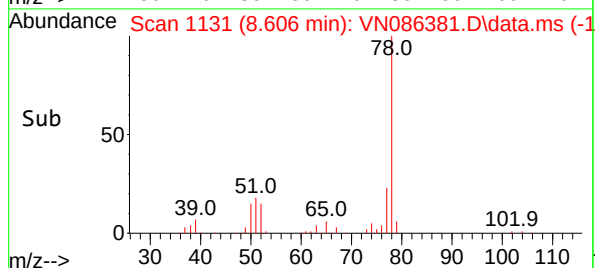
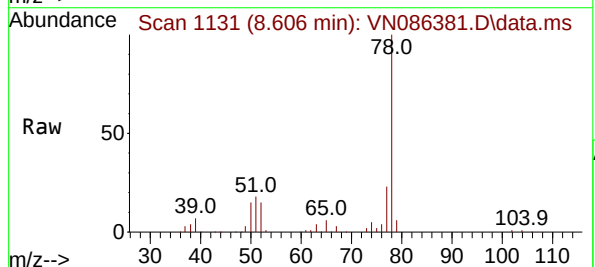
Manual Integrations
APPROVED

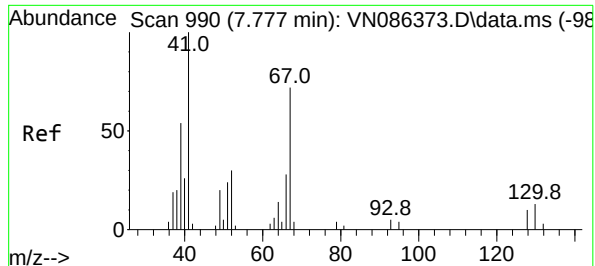
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#34
Benzene
Concen: 19.408 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 78 Resp: 192366
Ion Ratio Lower Upper
78 100
77 22.6 20.8 31.2
51 14.9 14.0 21.0





#35

Methacrylonitrile

Concen: 18.965 ug/l

RT: 7.777 min Scan# 990

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

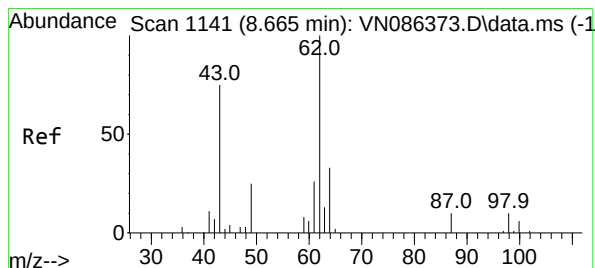
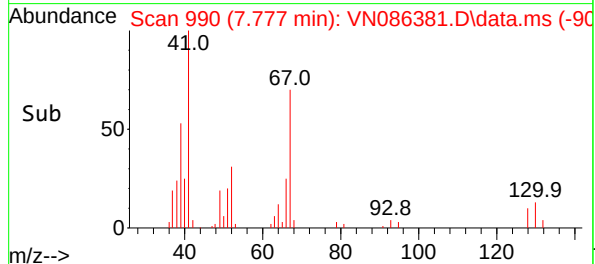
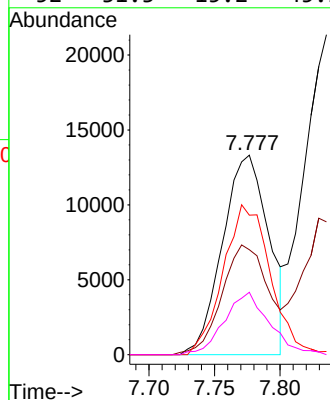
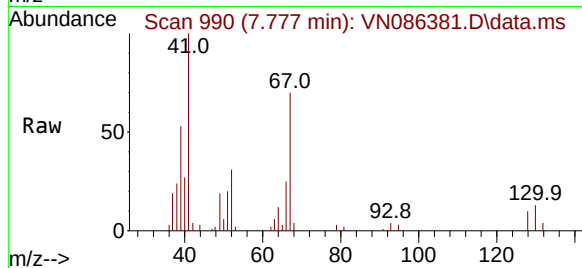
Tgt Ion:	41	Resp:	3272
Ion	Ratio	Lower	Upper
41	100		
39	51.5	27.0	80.8
67	69.9	35.8	107.3
52	31.3	15.2	45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#36

1,2-Dichloroethane

Concen: 19.464 ug/l

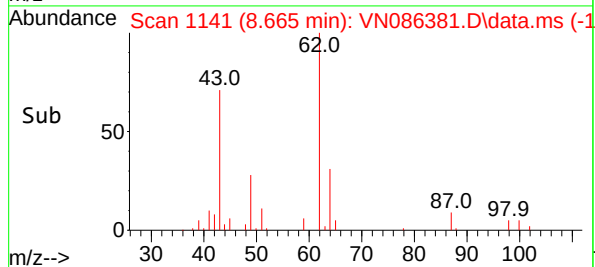
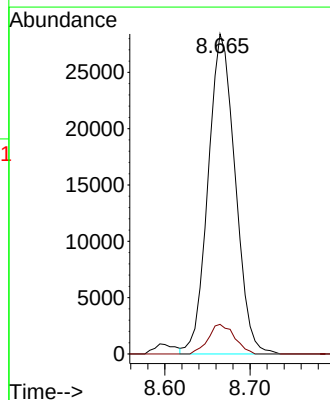
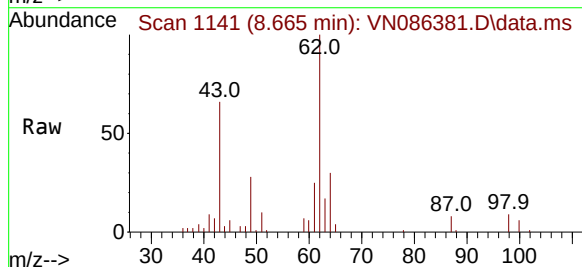
RT: 8.665 min Scan# 1141

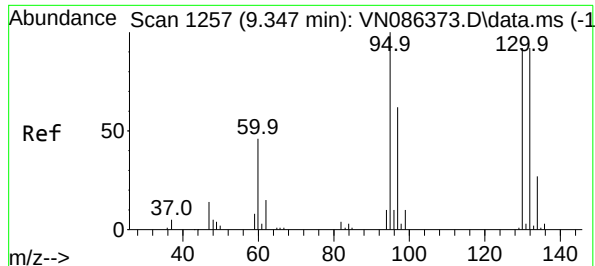
Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

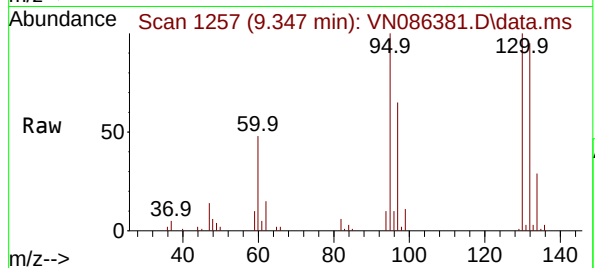
Tgt Ion:	62	Resp:	62633
Ion	Ratio	Lower	Upper
62	100		
98	9.0	7.6	11.4





#37
Trichloroethene
Concen: 19.047 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

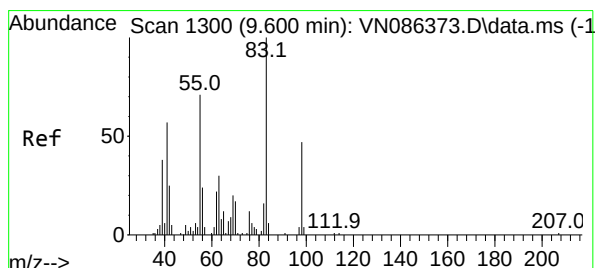
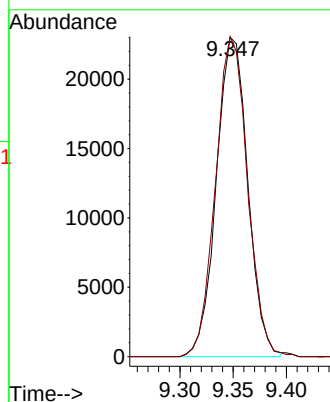
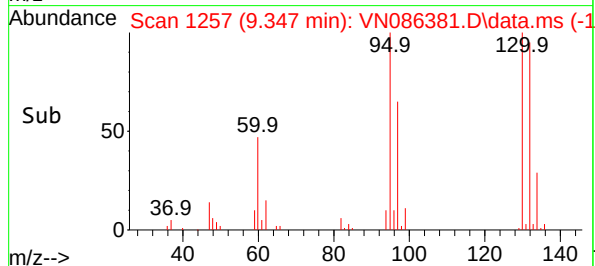
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



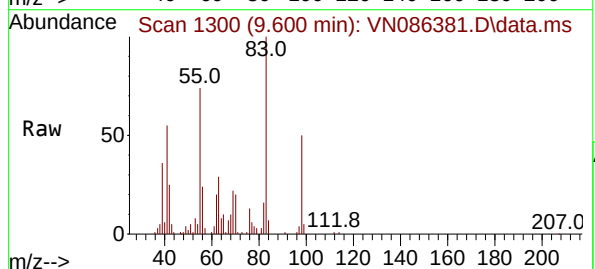
Tgt Ion:130 Resp: 47260
Ion Ratio Lower Upper
130 100
95 100.2 86.6 130.0

Manual Integrations
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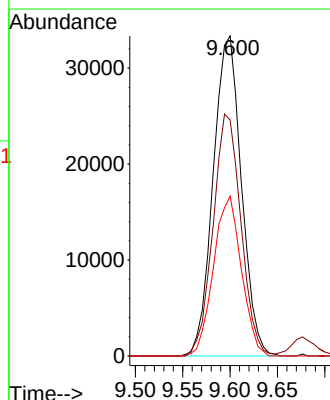
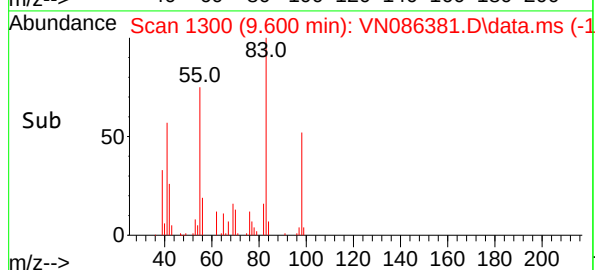
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

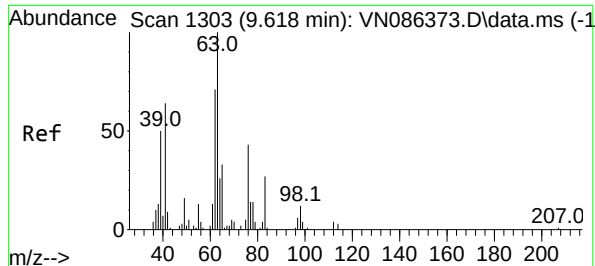


#38
Methylcyclohexane
Concen: 19.209 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53



Tgt Ion: 83 Resp: 69133
Ion Ratio Lower Upper
83 100
55 74.7 37.3 111.9
98 49.3 23.8 71.5





#39

1,2-Dichloropropane

Concen: 19.063 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086381.D

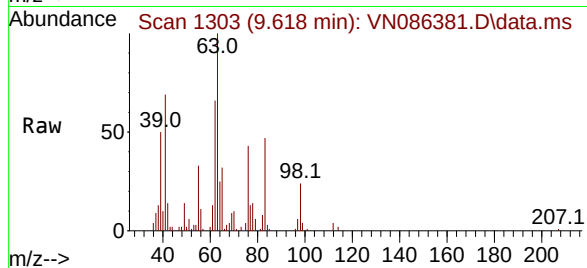
Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325



Tgt Ion: 63 Resp: 46678

Ion Ratio Lower Upper

63 100

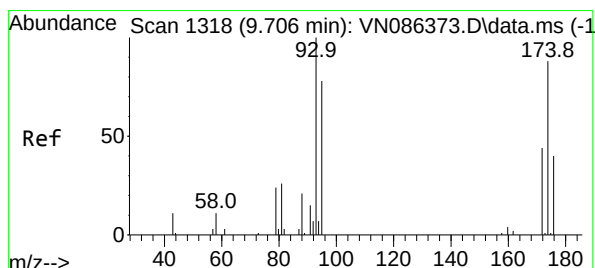
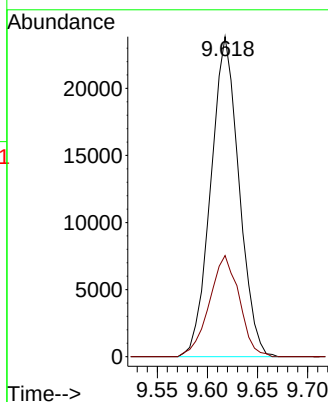
65 31.6 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#40

Dibromomethane

Concen: 19.273 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

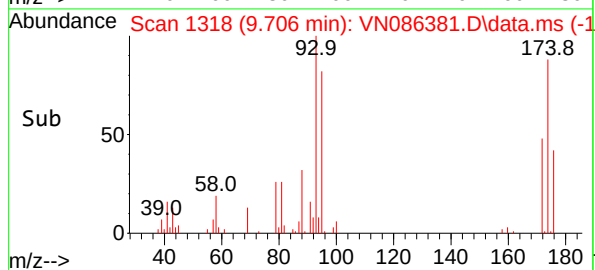
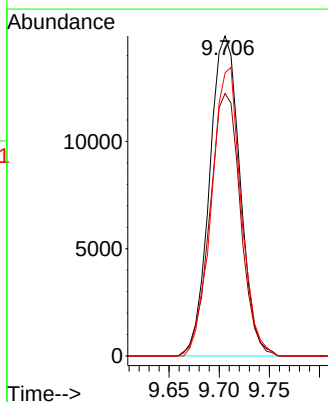
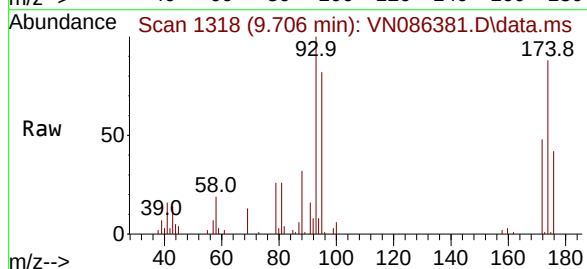
Tgt Ion: 93 Resp: 31560

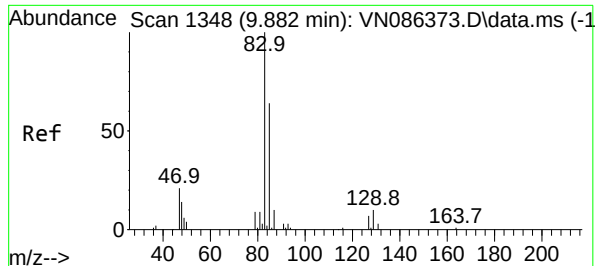
Ion Ratio Lower Upper

93 100

95 82.4 0.0 159.2

174 87.2 0.0 171.4





#41

Bromodichloromethane

Concen: 19.438 ug/l

RT: 9.882 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

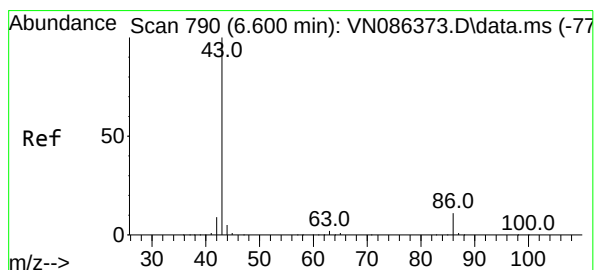
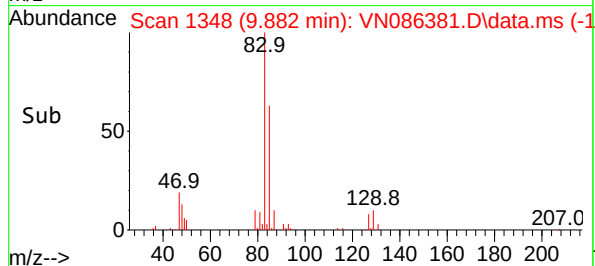
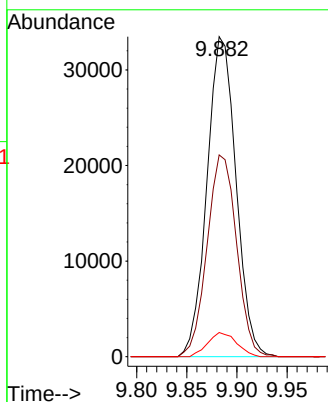
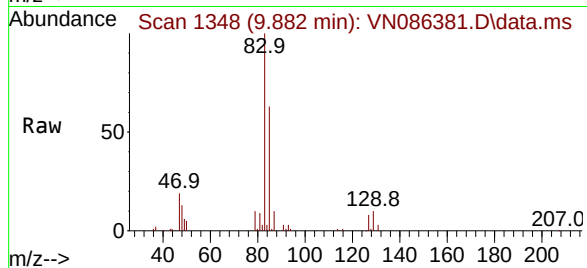
Tgt Ion:	83	Resp:	67350
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	7.6	5.9	8.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#42

Vinyl Acetate

Concen: 98.241 ug/l

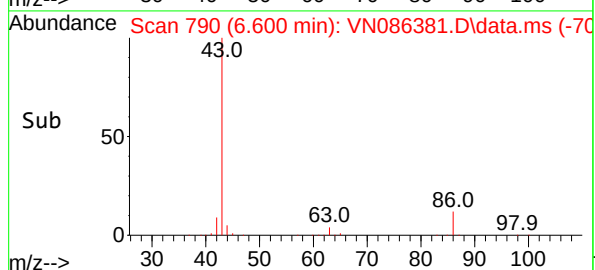
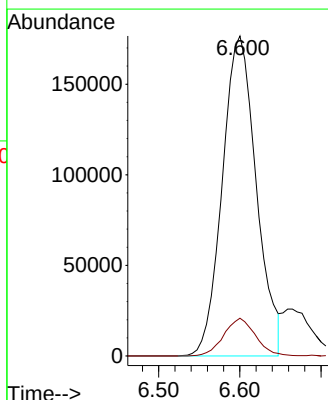
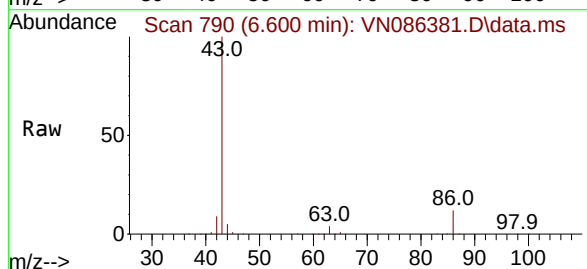
RT: 6.600 min Scan# 790

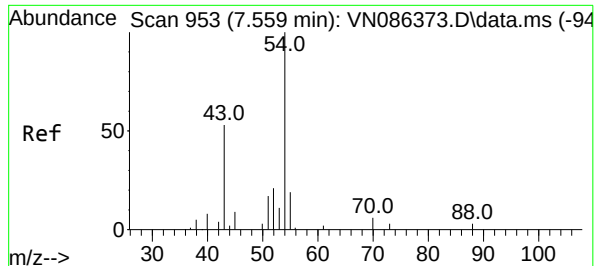
Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Tgt Ion:	43	Resp:	514738
Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.9	13.3





#43

Ethyl Acetate

Concen: 18.897 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Tgt Ion: 43 Resp: 56564

Ion Ratio Lower Upper

43 100

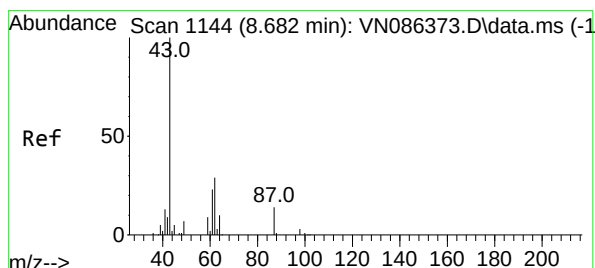
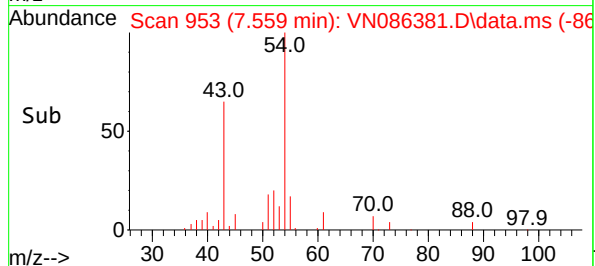
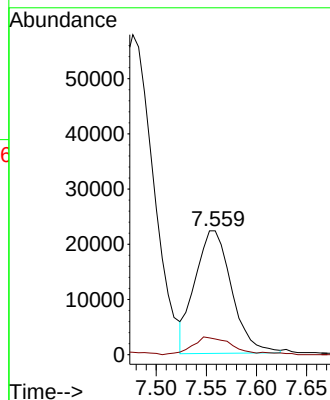
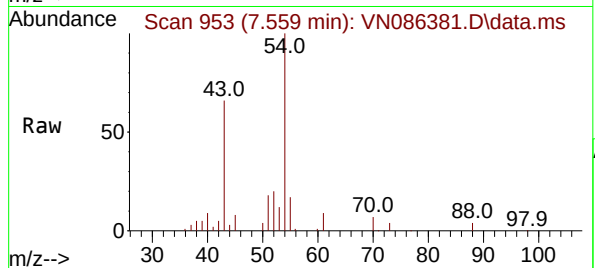
45 14.9 11.4 17.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#44

Isopropyl Acetate

Concen: 19.805 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN086381.D

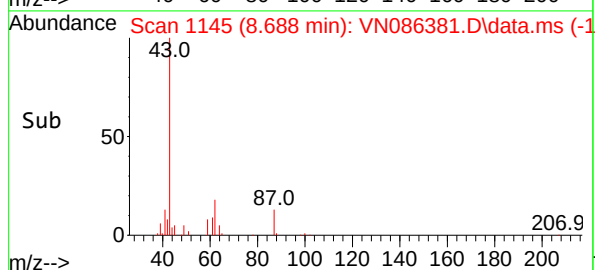
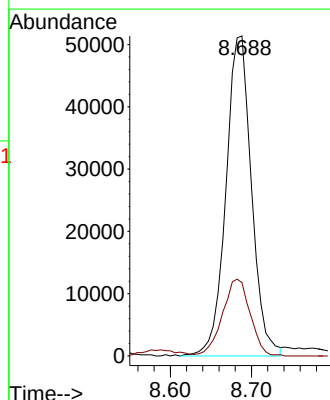
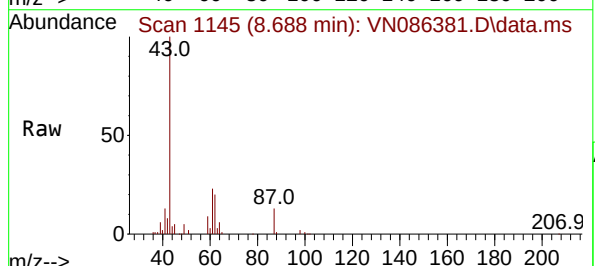
Acq: 23 Apr 2025 13:53

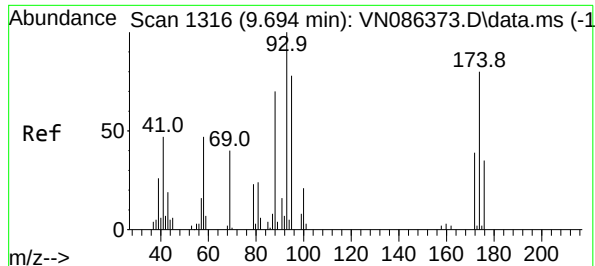
Tgt Ion: 43 Resp: 112514

Ion Ratio Lower Upper

43 100

61 25.4 21.0 31.4





#45

1,4-Dioxane

Concen: 411.534 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Tgt Ion: 88 Resp: 1824

Ion Ratio Lower Upper

88 100

43 31.7 24.9 37.3

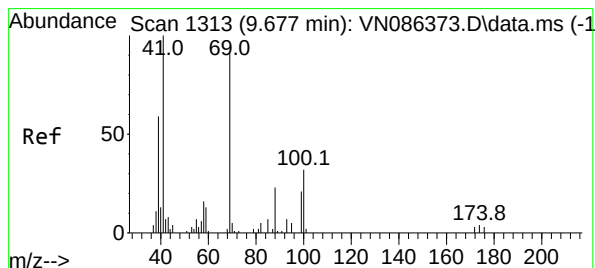
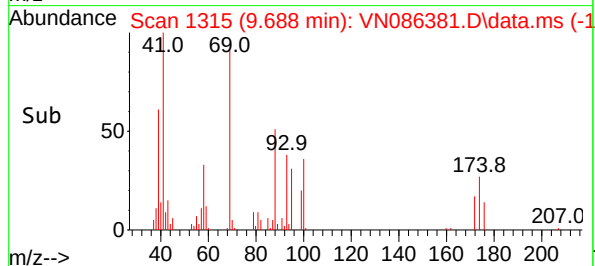
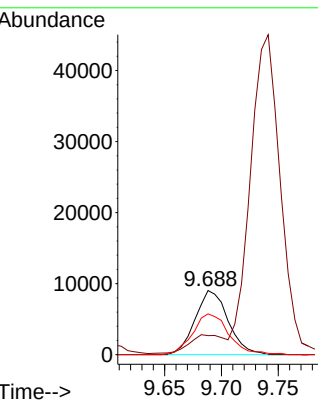
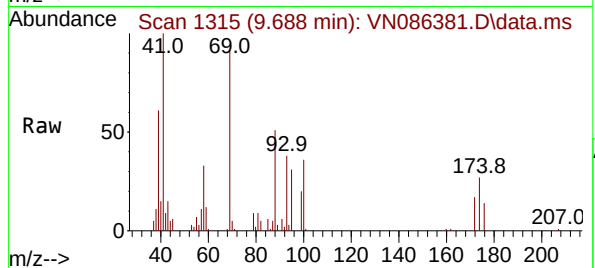
58 69.3 57.8 86.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#46

Methyl methacrylate

Concen: 19.190 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

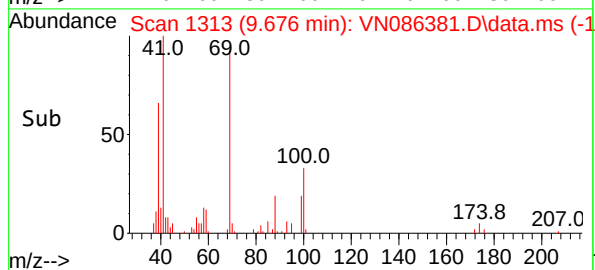
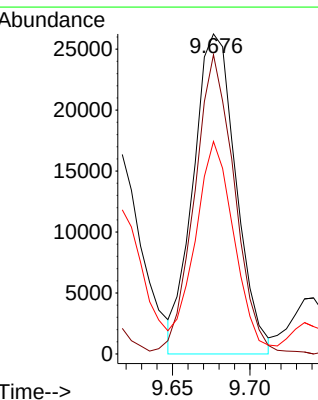
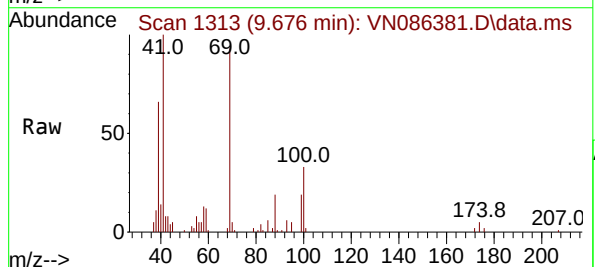
Tgt Ion: 41 Resp: 50286

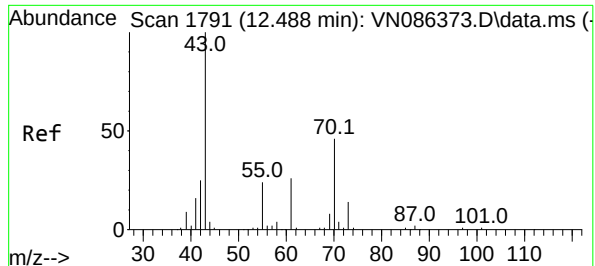
Ion Ratio Lower Upper

41 100

69 95.5 44.1 132.3

39 66.9 30.0 90.1





#47

n-amy1 Acetate

Concen: 18.642 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Tgt Ion: 43 Resp: 90260

Ion Ratio Lower Upper

43 100

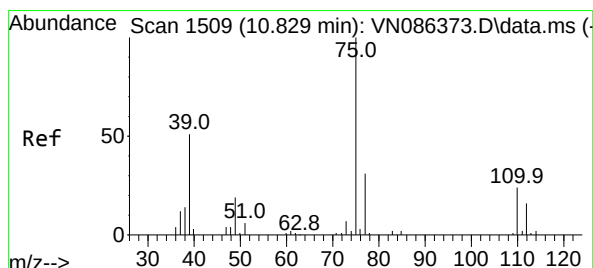
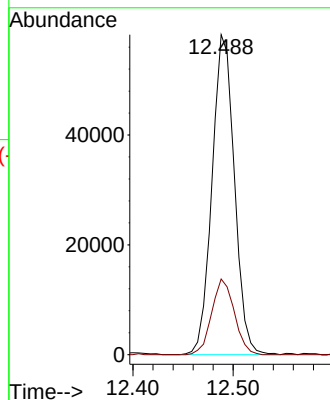
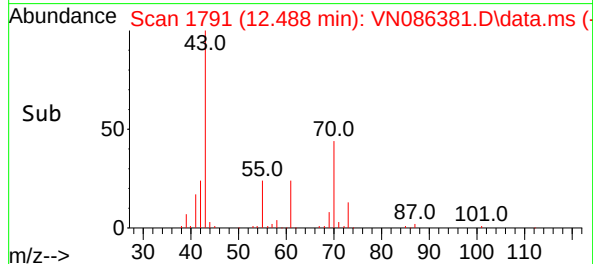
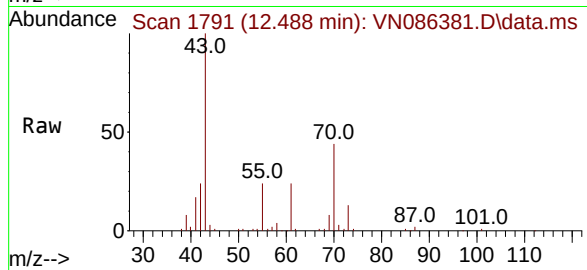
55 23.9 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#48

t-1,3-Dichloropropene

Concen: 19.167 ug/l

RT: 10.835 min Scan# 1510

Delta R.T. 0.006 min

Lab File: VN086381.D

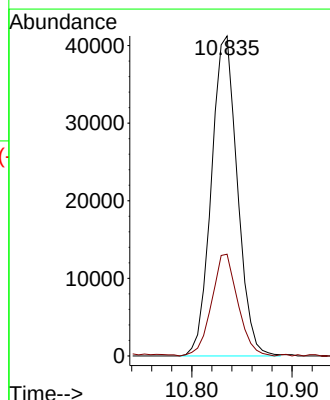
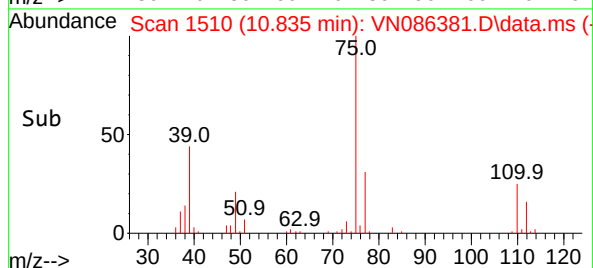
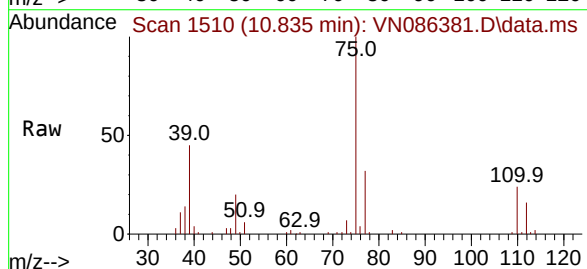
Acq: 23 Apr 2025 13:53

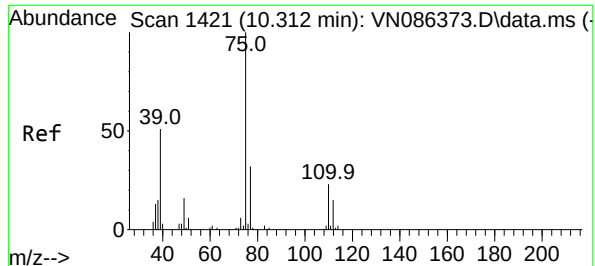
Tgt Ion: 75 Resp: 74255

Ion Ratio Lower Upper

75 100

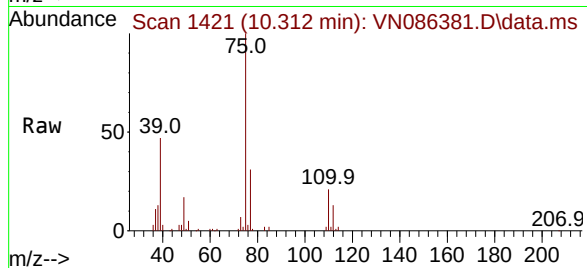
77 31.8 24.4 36.6





#49
cis-1,3-Dichloropropene
Concen: 19.233 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

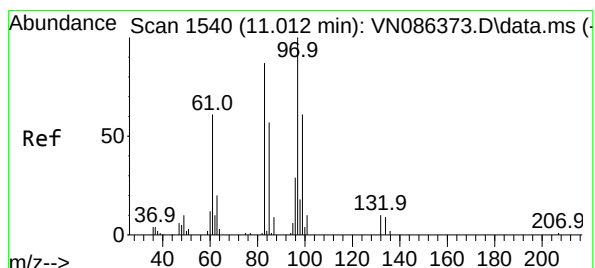
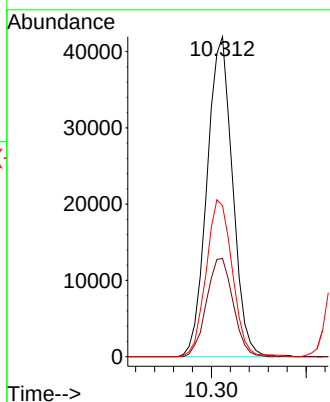
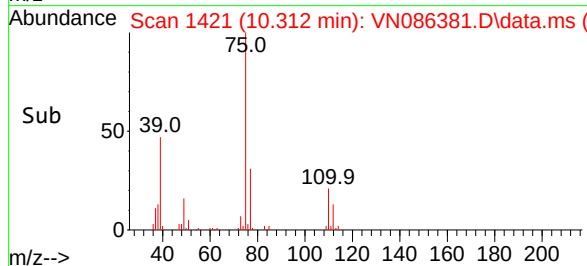
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



Tgt Ion: 75 Resp: 7857
Ion Ratio Lower Upper
75 100
77 30.7 25.6 38.4
39 47.2 40.6 60.8

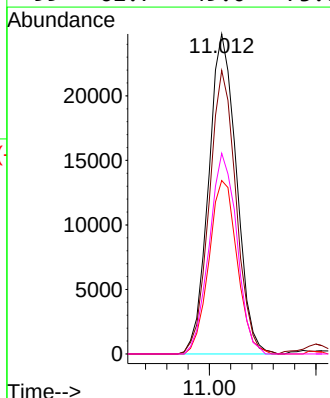
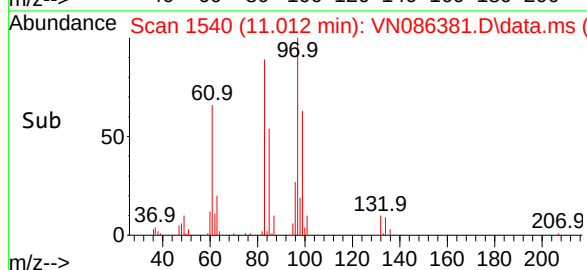
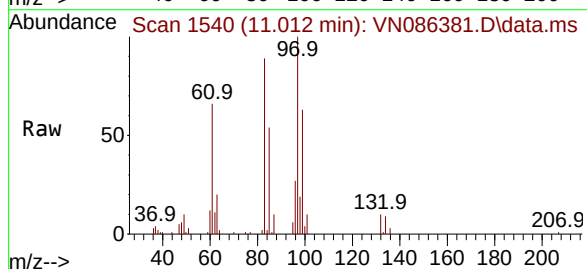
Manual Integrations
APPROVED

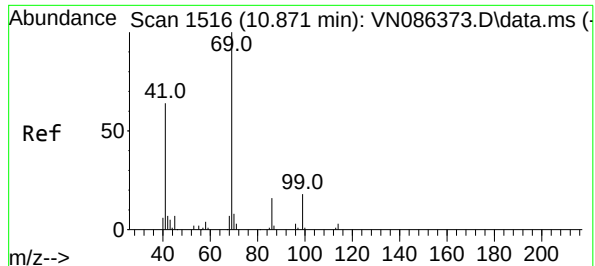
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#50
1,1,2-Trichloroethane
Concen: 19.666 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

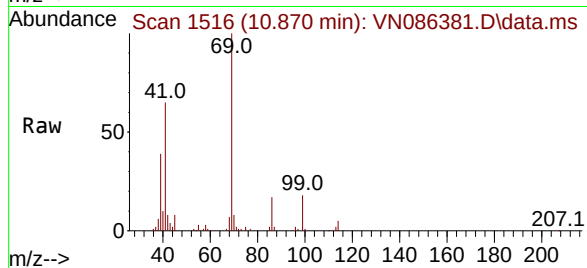
Tgt Ion: 97 Resp: 44981
Ion Ratio Lower Upper
97 100
83 88.6 69.3 103.9
85 54.2 45.5 68.3
99 62.7 49.0 73.6





#51
Ethyl methacrylate
Concen: 18.819 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

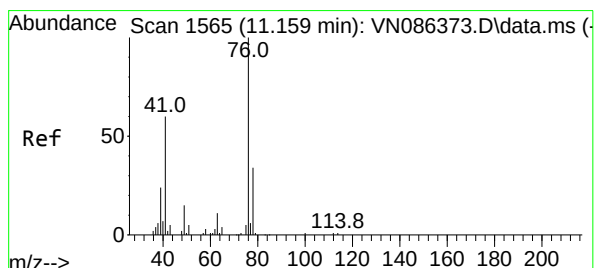
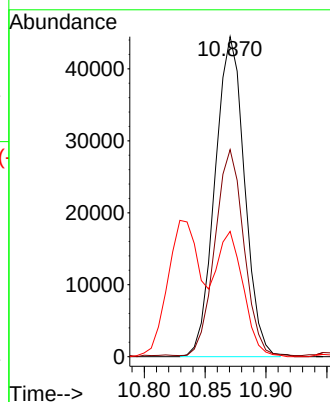
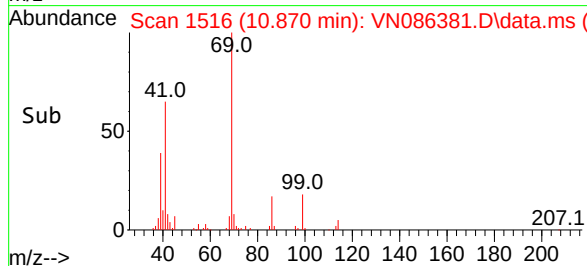
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



Tgt Ion: 69 Resp: 74960
Ion Ratio Lower Upper
69 100
41 64.4 32.3 96.8
39 38.7 19.1 57.1

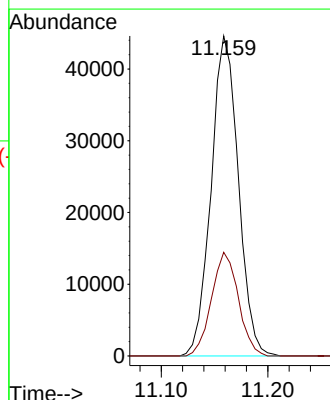
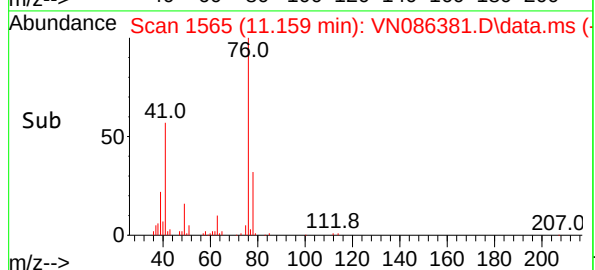
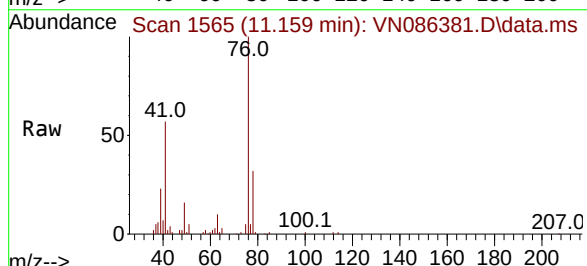
Manual Integrations
APPROVED

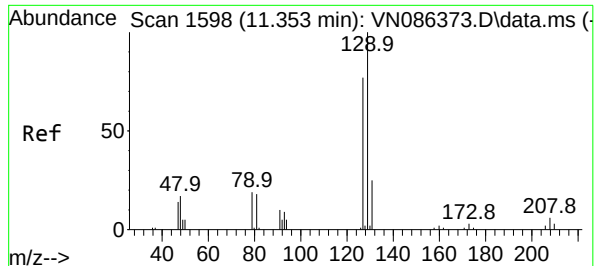
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#52
1,3-Dichloropropane
Concen: 19.590 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

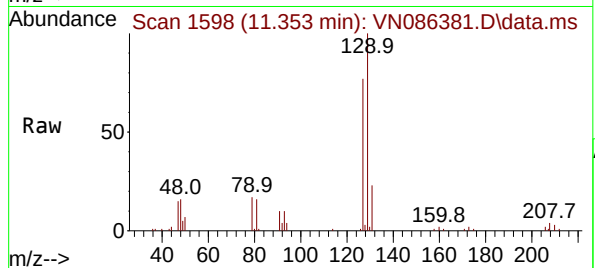
Tgt Ion: 76 Resp: 79190
Ion Ratio Lower Upper
76 100
78 32.0 0.0 65.6





#53
Dibromochloromethane
Concen: 18.927 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

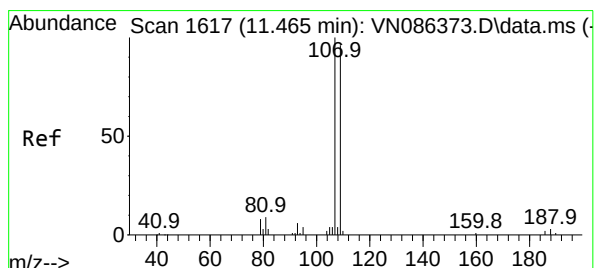
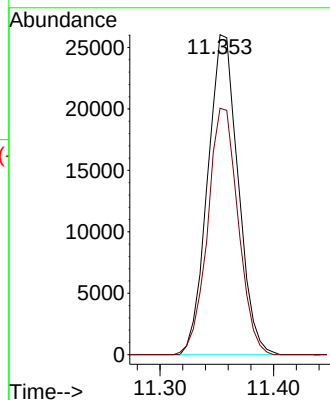
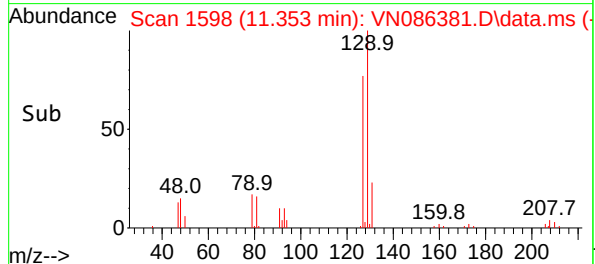
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



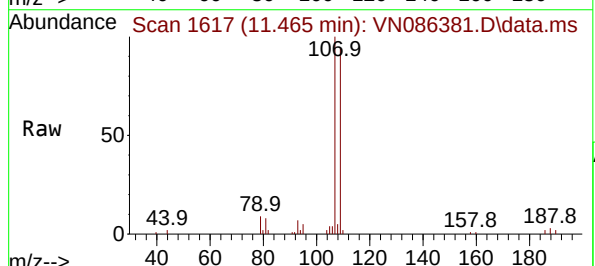
Tgt Ion:129 Resp: 4861
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3

Manual Integrations
APPROVED

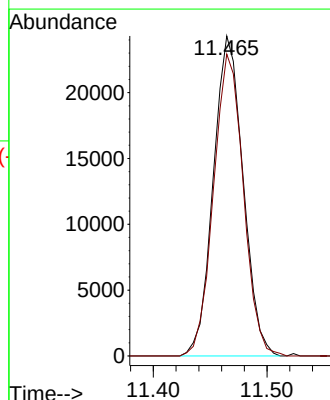
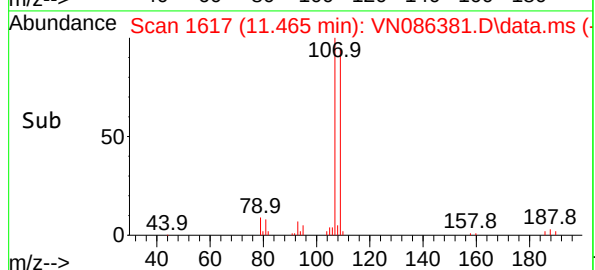
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

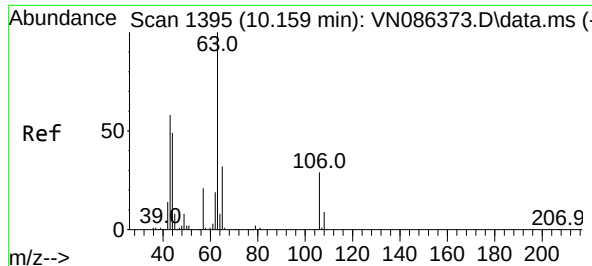


#54
1,2-Dibromoethane
Concen: 19.043 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53



Tgt Ion:107 Resp: 44285
Ion Ratio Lower Upper
107 100
109 94.3 75.4 113.0





#55

2-Chloroethyl vinyl ether

Concen: 98.770 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN086381.D

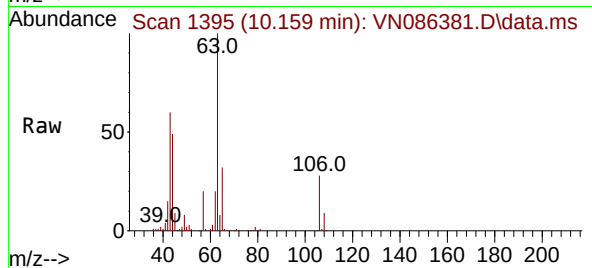
Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325



Tgt Ion: 63 Resp: 184980

Ion Ratio Lower Upper

63 100

65 32.5 25.7 38.5

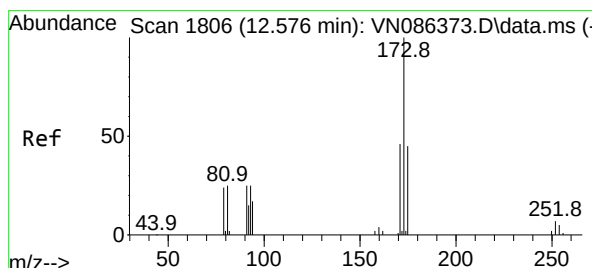
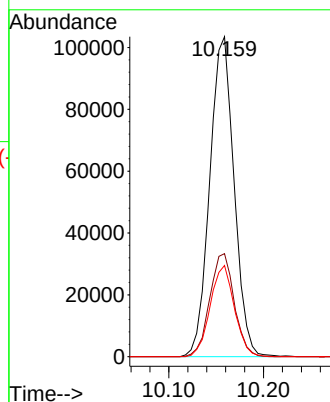
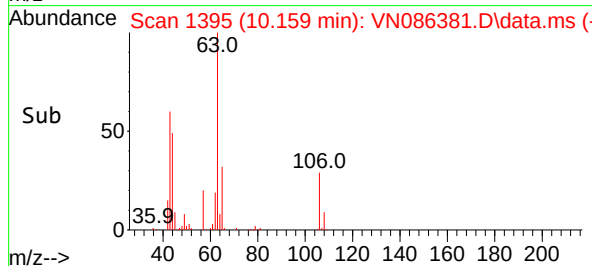
106 28.3 22.3 33.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#56

Bromoform

Concen: 18.434 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

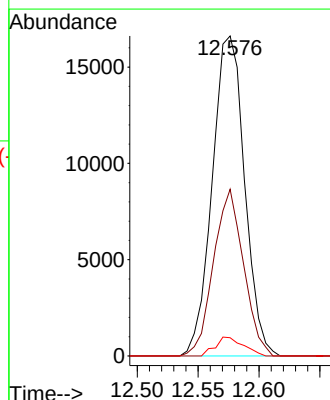
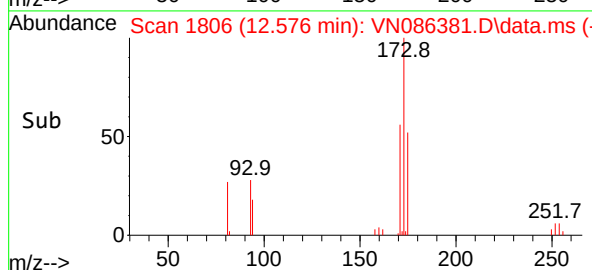
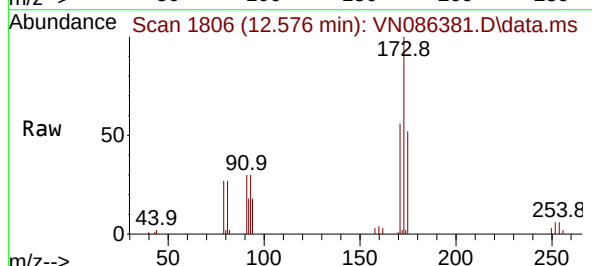
Tgt Ion:173 Resp: 30722

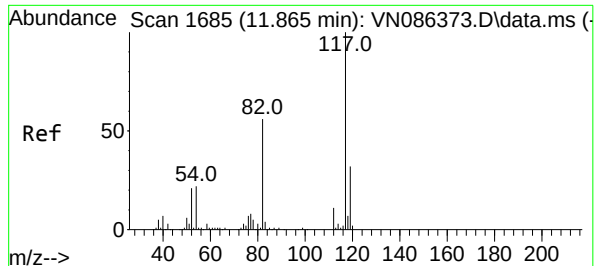
Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.6

254 5.1 3.8 5.6





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086381.D

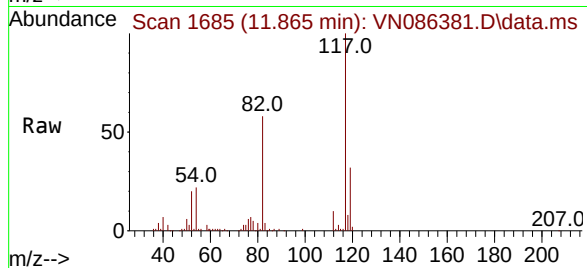
Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325



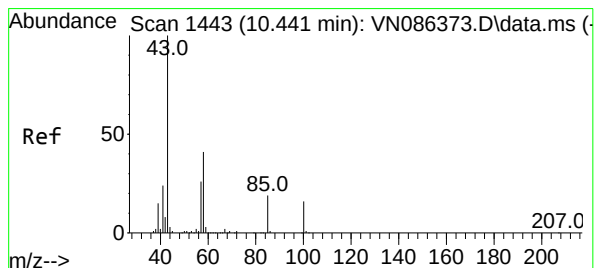
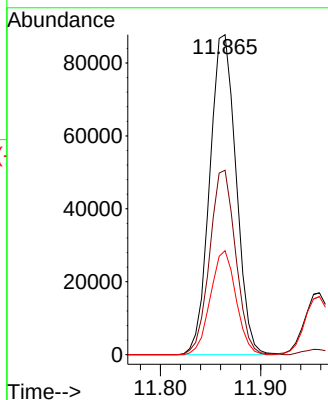
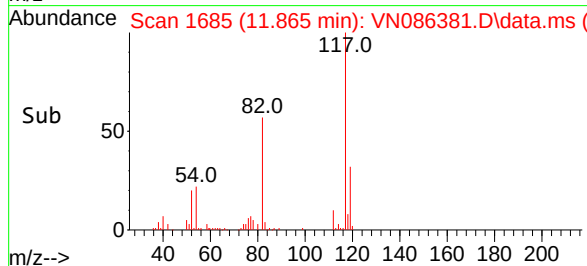
Tgt Ion:	117	Resp:	16041
Ion Ratio	100	Lower	Upper
117	100		
82	57.0	45.5	68.3
119	31.5	25.9	38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#58

4-Methyl-2-Pentanone

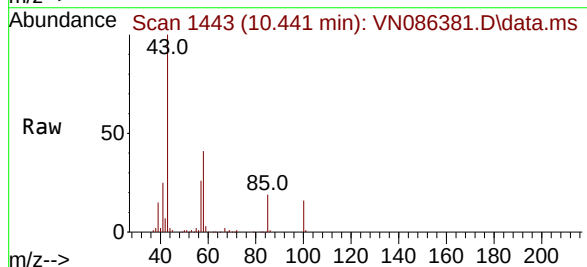
Concen: 98.743 ug/l

RT: 10.441 min Scan# 1443

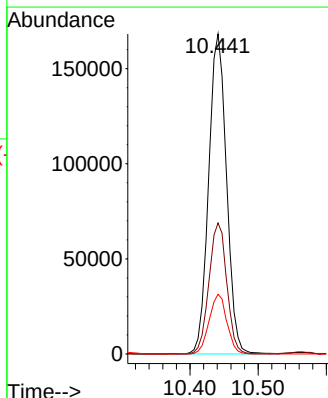
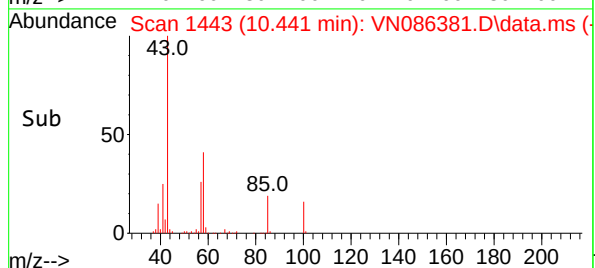
Delta R.T. -0.000 min

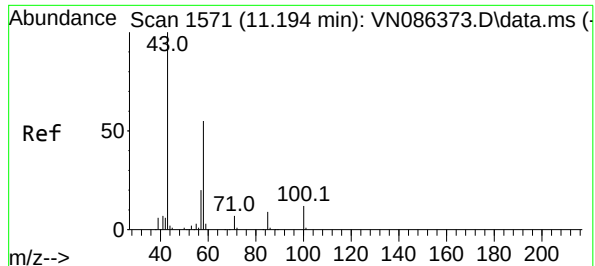
Lab File: VN086381.D

Acq: 23 Apr 2025 13:53



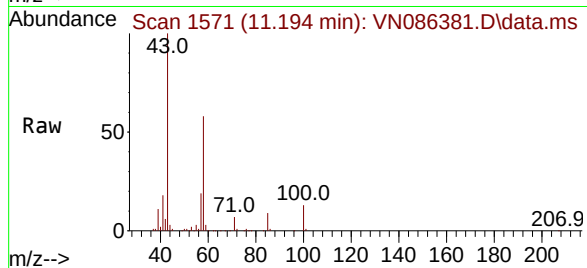
Tgt Ion:	43	Resp:	306519
Ion Ratio	100	Lower	Upper
43	100		
58	40.9	33.0	49.6
85	18.5	14.9	22.3





#59
2-Hexanone
Concen: 98.060 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

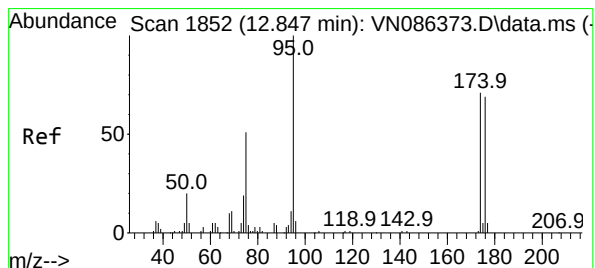
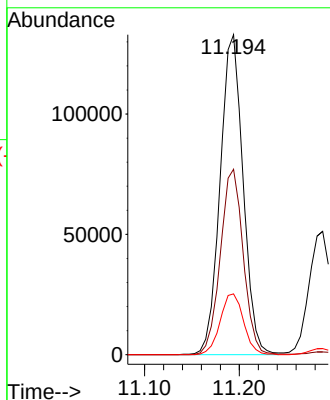
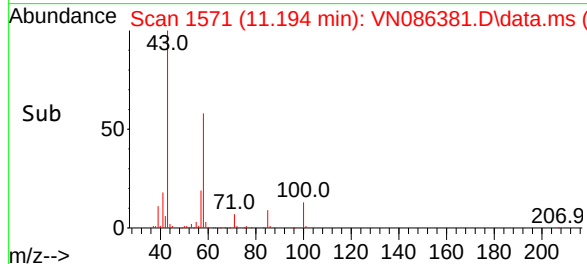
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



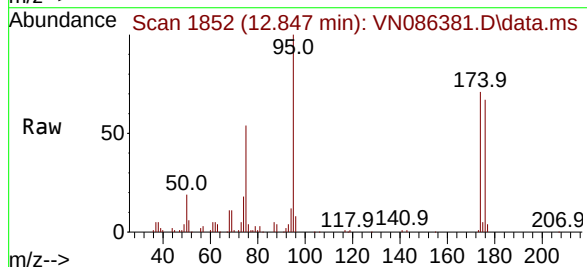
Tgt Ion: 43 Resp: 224318
Ion Ratio Lower Upper
43 100
58 57.7 45.0 67.6
57 19.4 15.5 23.3

Manual Integrations
APPROVED

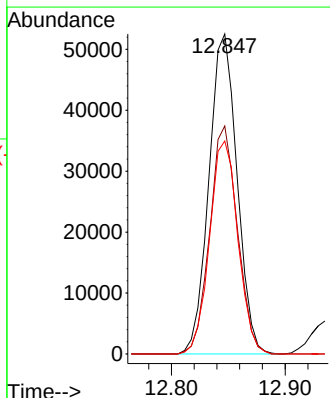
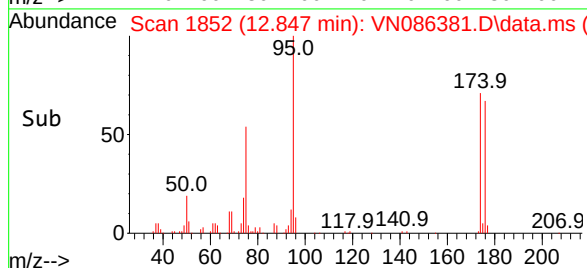
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

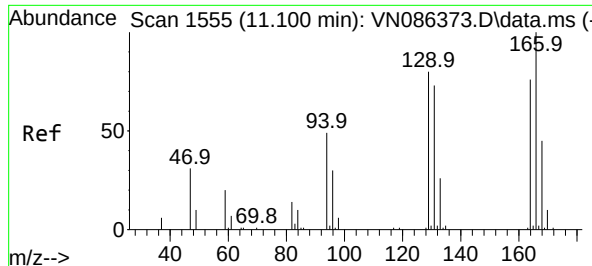


#60
4-Bromofluorobenzene
Concen: 28.685 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53



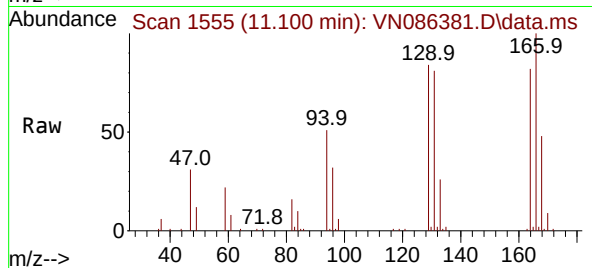
Tgt Ion: 95 Resp: 90439
Ion Ratio Lower Upper
95 100
174 70.0 56.6 84.8
176 66.9 53.3 79.9





#61
Tetrachloroethene
Concen: 19.102 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

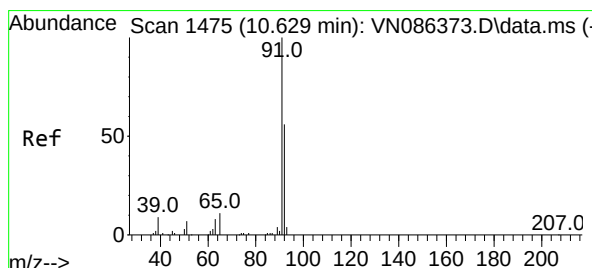
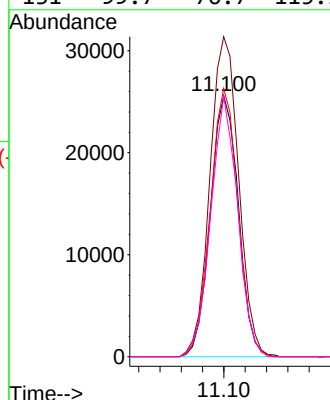
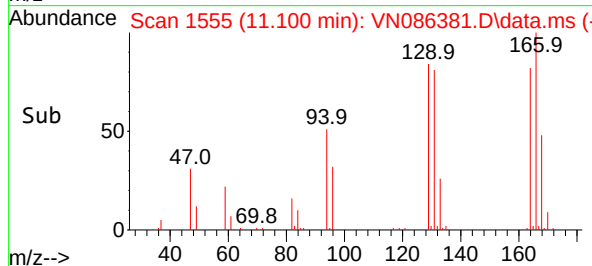
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



Tgt Ion:164 Resp: 46730
Ion Ratio Lower Upper
164 100
166 122.6 105.0 157.4
129 102.8 83.9 125.9
131 99.7 76.7 115.1

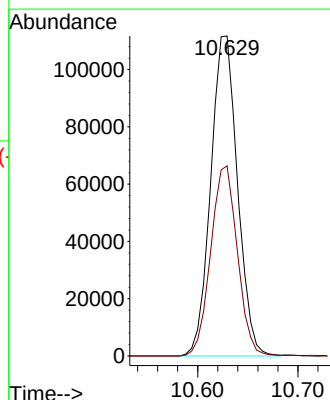
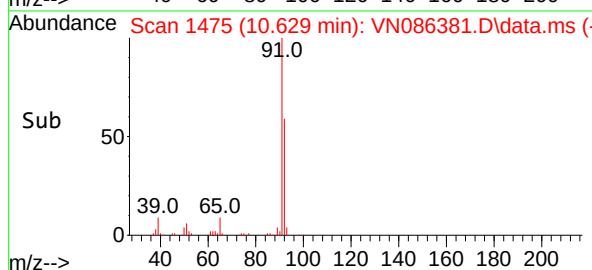
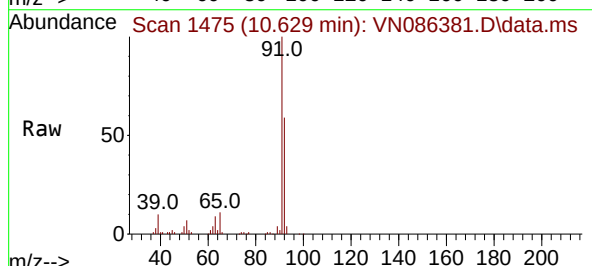
Manual Integrations
APPROVED

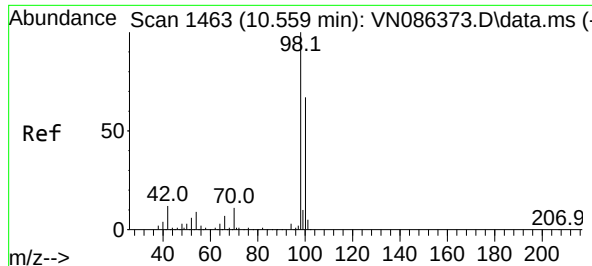
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#62
Toluene
Concen: 19.339 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

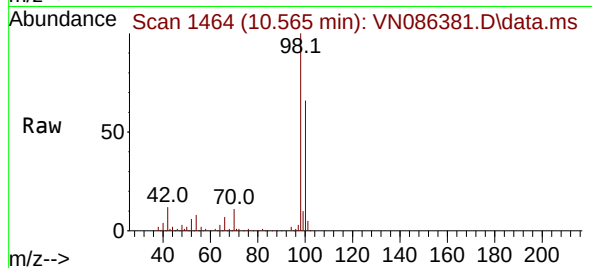
Tgt Ion: 91 Resp: 207649
Ion Ratio Lower Upper
91 100
92 59.0 45.7 68.5





#63
Toluene-d8
Concen: 30.100 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

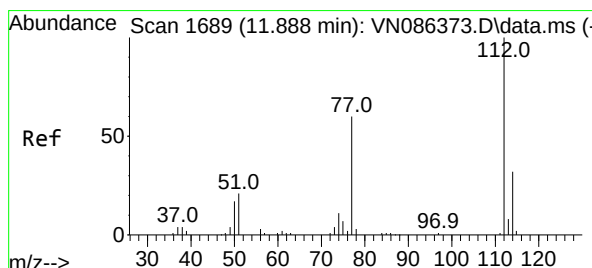
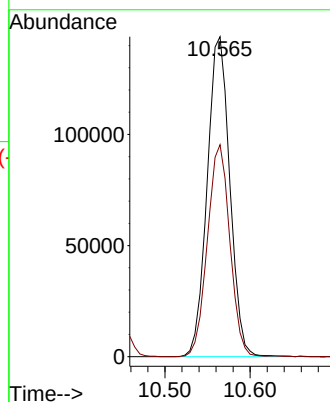
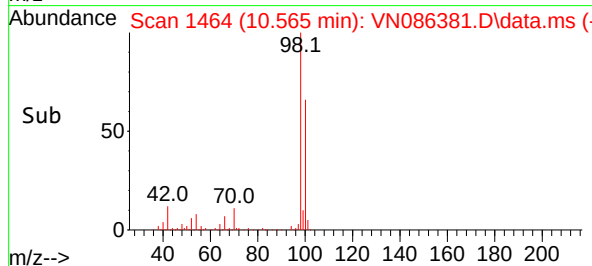
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



Tgt Ion: 98 Resp: 265630
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7

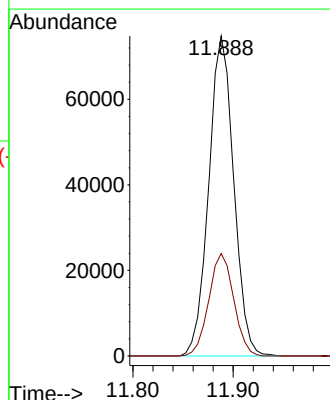
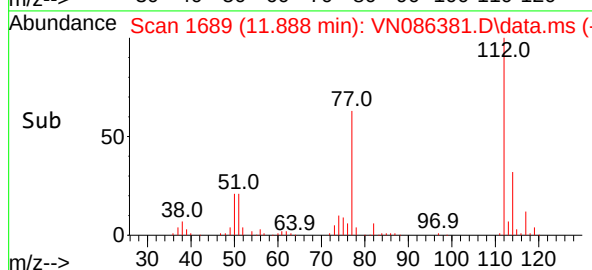
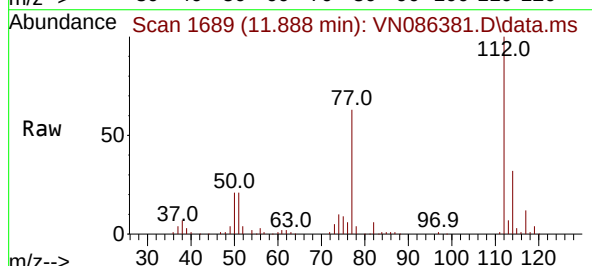
Manual Integrations
APPROVED

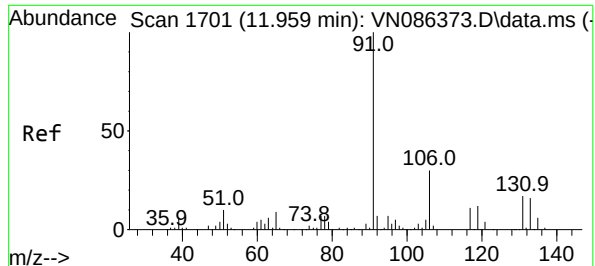
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#64
Chlorobenzene
Concen: 19.378 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

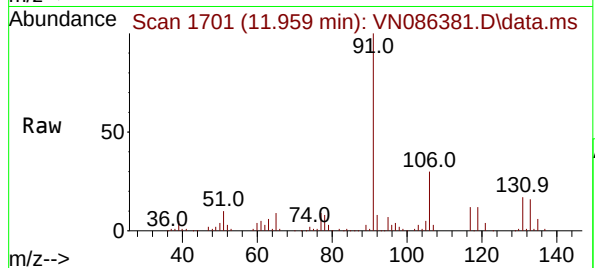
Tgt Ion:112 Resp: 129646
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4





#65
1,1,1,2-Tetrachloroethane
Concen: 19.270 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

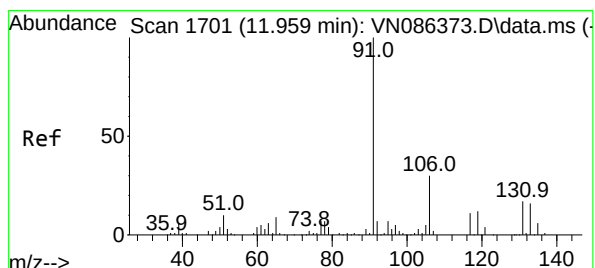
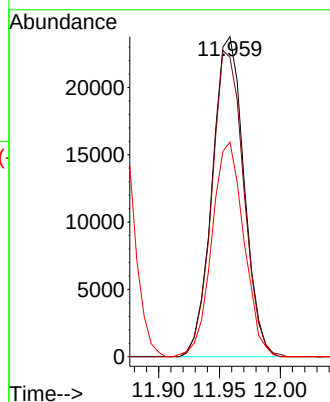
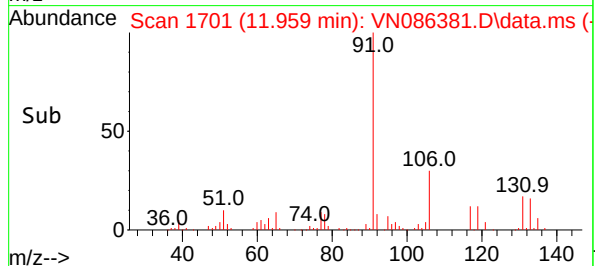
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



Tgt Ion:131 Resp: 43109
Ion Ratio Lower Upper
131 100
133 96.1 0.0 191.4
119 67.6 0.0 133.6

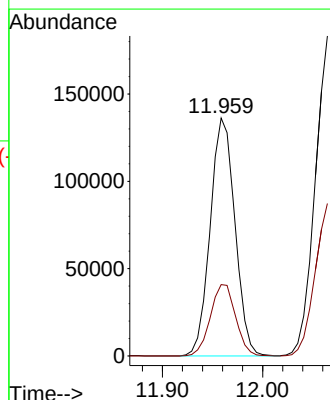
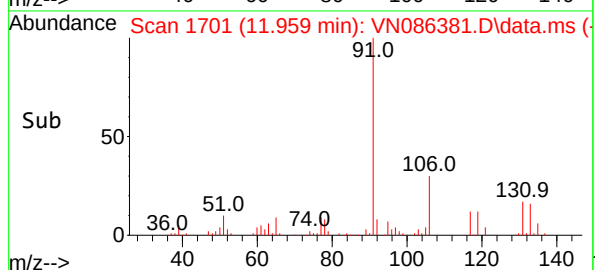
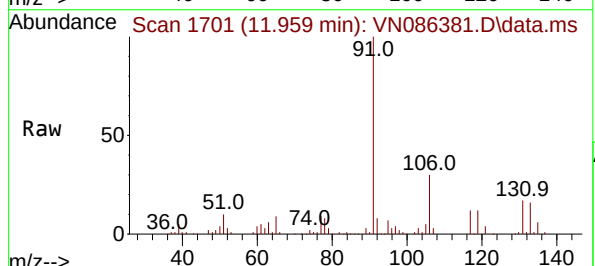
Manual Integrations
APPROVED

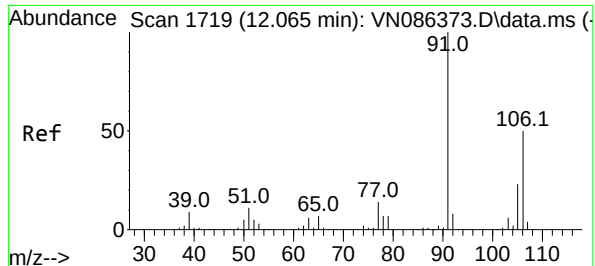
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#66
Ethyl Benzene
Concen: 19.345 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 91 Resp: 233802
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5





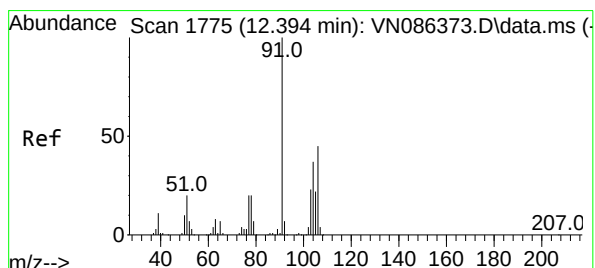
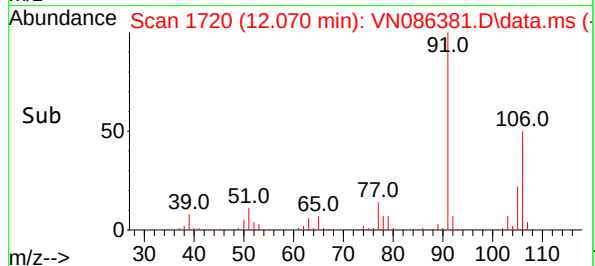
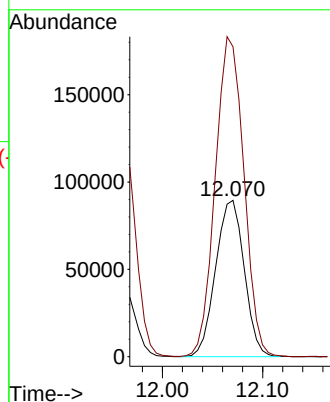
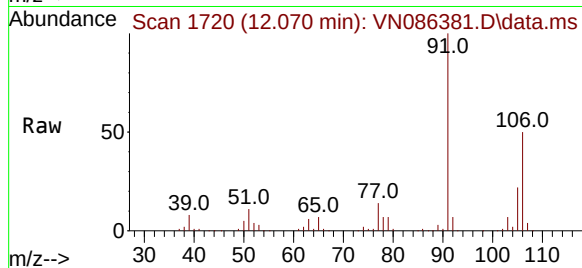
#67
m/p-Xylenes
Concen: 38.625 ug/l
RT: 12.070 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Tgt Ion:106 Resp: 177124
Ion Ratio Lower Upper
106 100
91 205.2 162.6 243.8

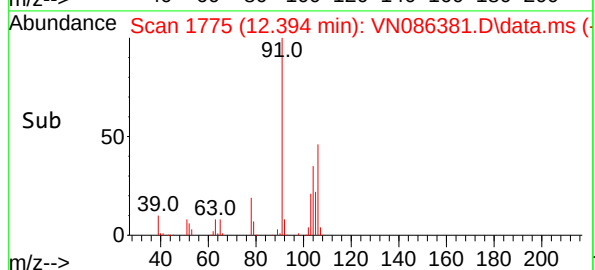
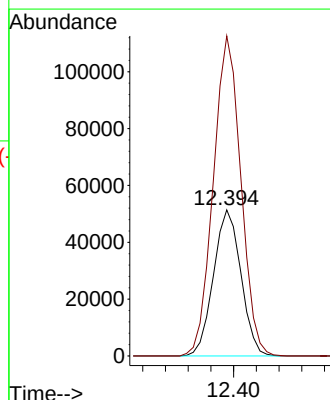
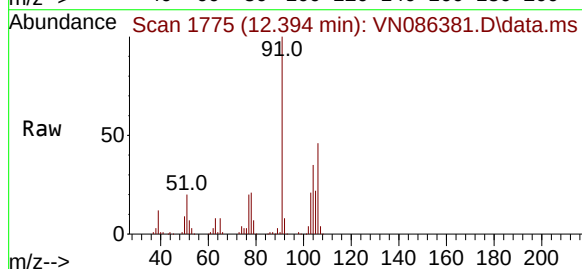
Manual Integrations
APPROVED

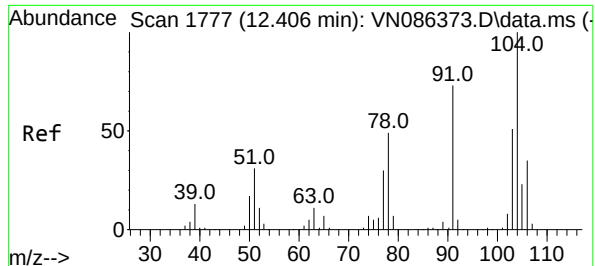
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#68
o-Xylene
Concen: 19.209 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Tgt Ion:106 Resp: 86250
Ion Ratio Lower Upper
106 100
91 219.8 110.6 331.6





#69

Styrene

Concen: 19.014 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Tgt Ion:104 Resp: 144708

Ion Ratio Lower Upper

104 100

78 50.2 40.2 60.4

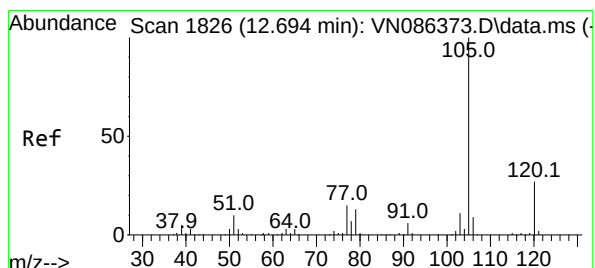
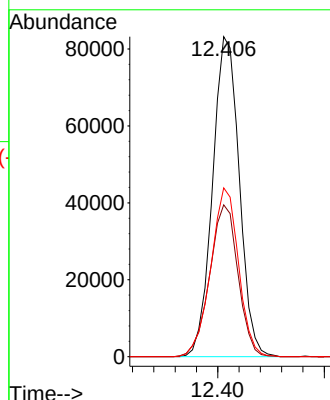
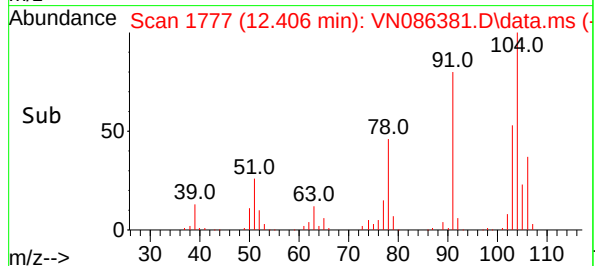
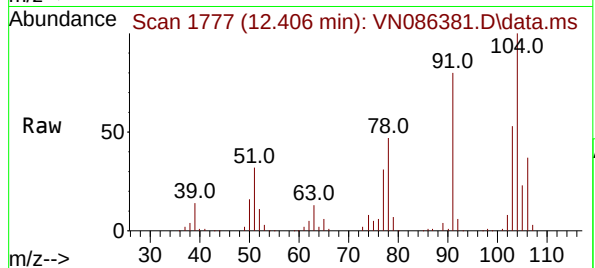
103 54.7 43.8 65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#70

Isopropylbenzene

Concen: 19.236 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN086381.D

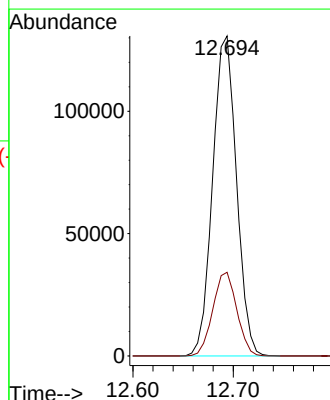
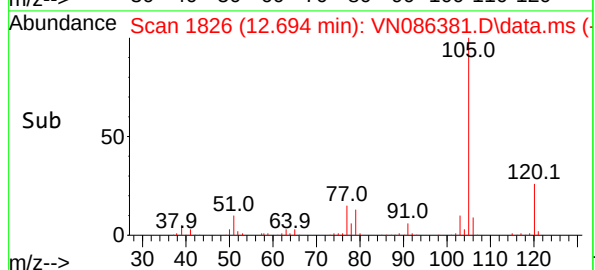
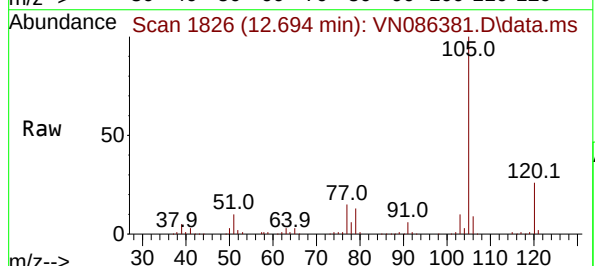
Acq: 23 Apr 2025 13:53

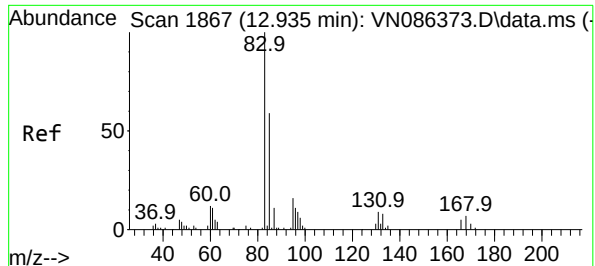
Tgt Ion:105 Resp: 215598

Ion Ratio Lower Upper

105 100

120 26.3 18.2 33.8





#71

1,1,2-Tetrachloroethane

Concen: 20.382 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

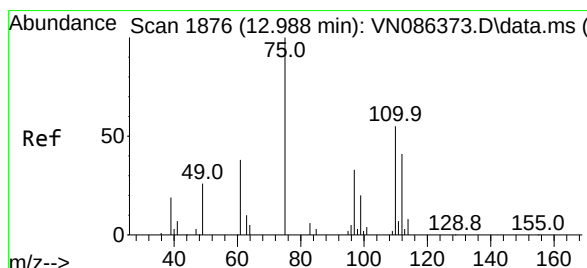
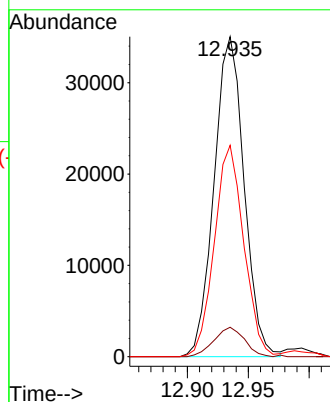
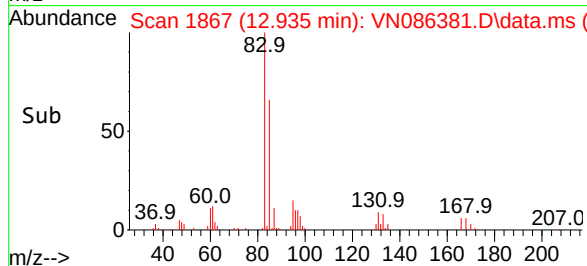
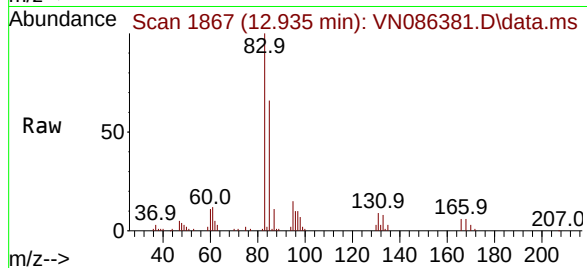
Tgt Ion:	83	Resp:	6015
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.7
85	64.6	31.7	95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#72

1,2,3-Trichloropropane

Concen: 19.624 ug/l m

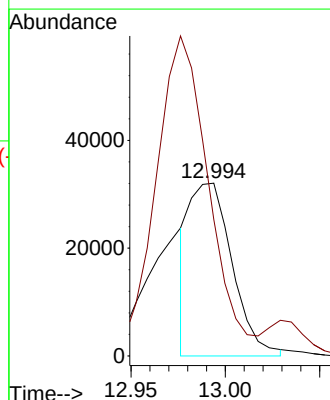
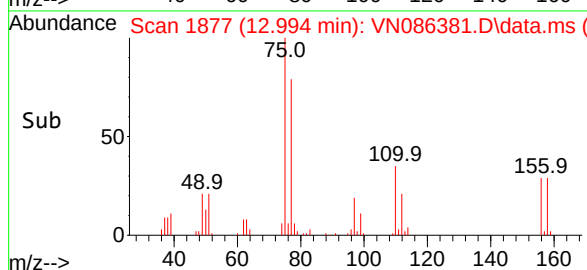
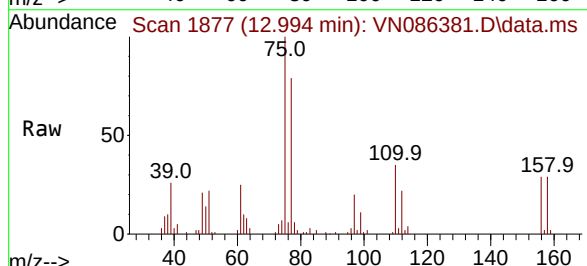
RT: 12.994 min Scan# 1877

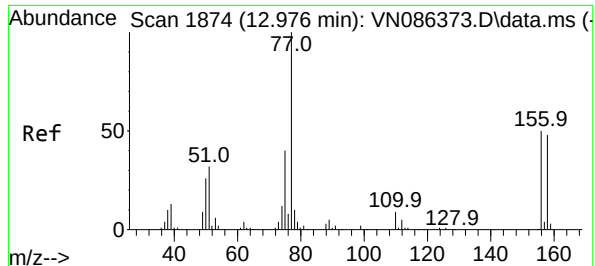
Delta R.T. 0.006 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

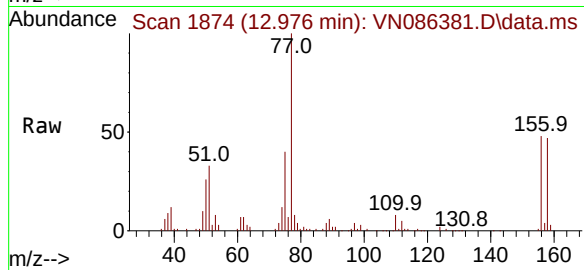
Tgt Ion:	75	Resp:	50492
Ion	Ratio	Lower	Upper
75	100		
77	230.2	0.0	464.4





#73
Bromobenzene
Concen: 19.266 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

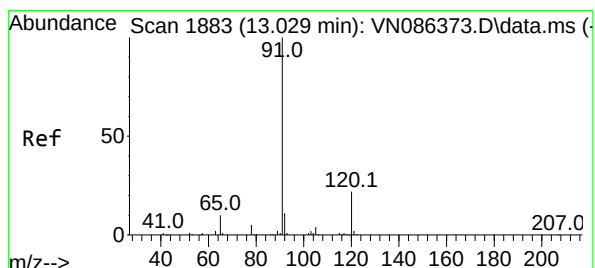
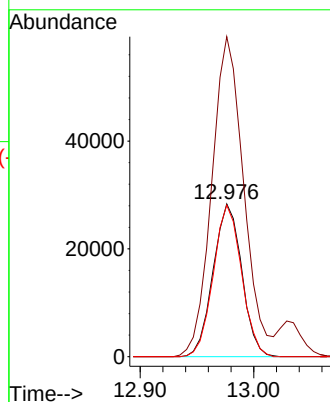
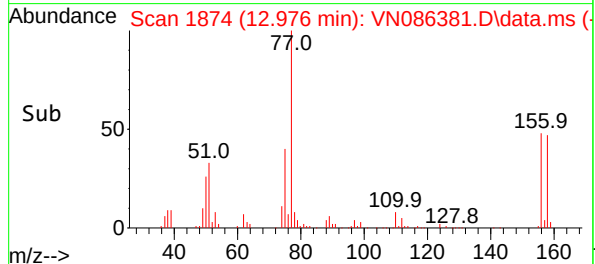
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



Tgt Ion:156 Resp: 49649
Ion Ratio Lower Upper
156 100
77 234.1 0.0 463.4
158 97.7 0.0 191.8

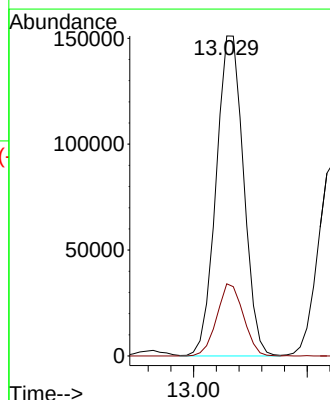
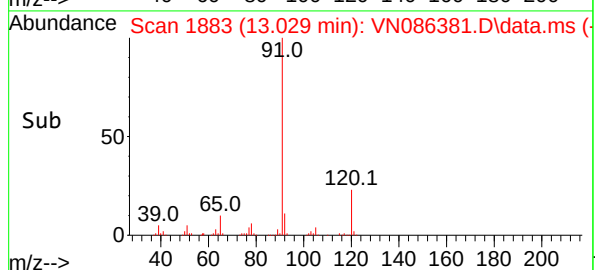
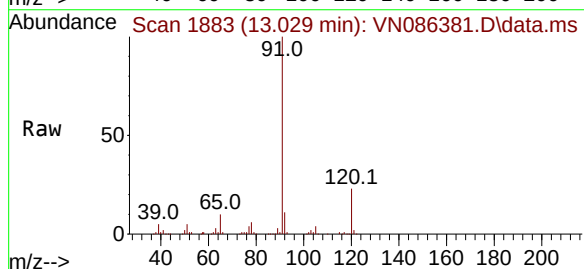
Manual Integrations
APPROVED

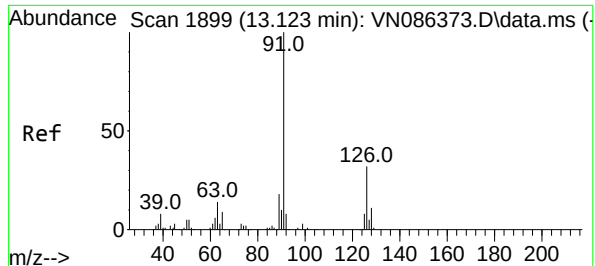
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#74
n-propylbenzene
Concen: 19.064 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 91 Resp: 253908
Ion Ratio Lower Upper
91 100
120 21.7 0.0 43.8





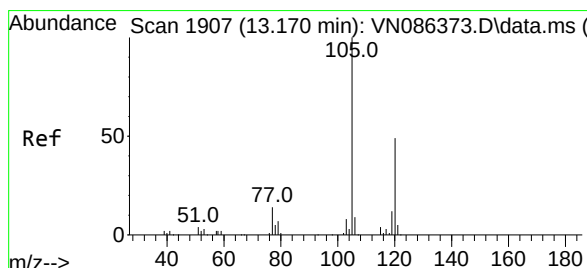
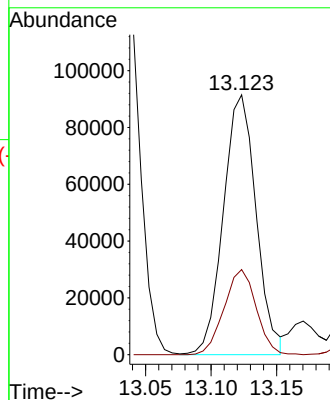
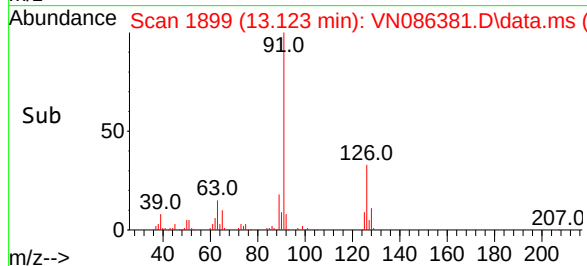
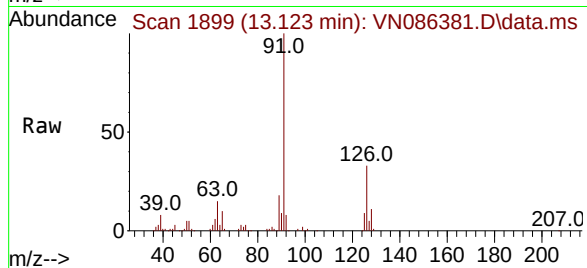
#75
2-Chlorotoluene
Concen: 19.133 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Tgt Ion: 91 Resp: 159080
Ion Ratio Lower Upper
91 100
126 32.1 0.0 65.0

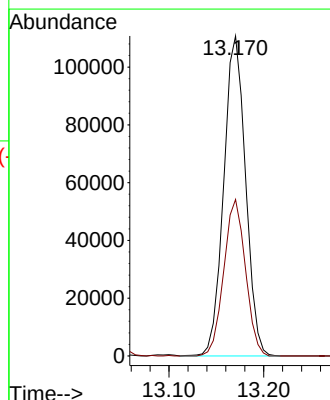
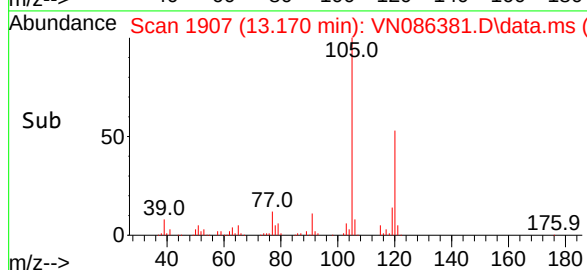
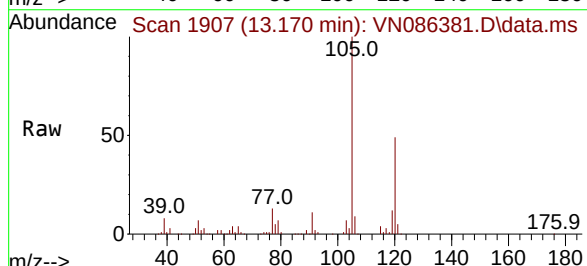
Manual Integrations
APPROVED

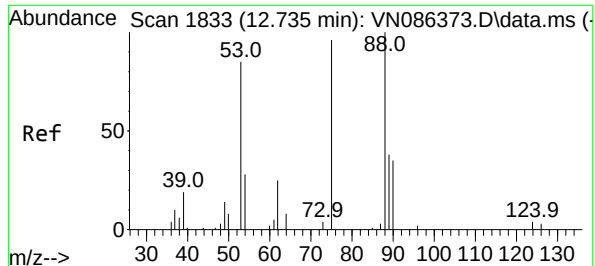
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#76
1,3,5-Trimethylbenzene
Concen: 19.311 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Tgt Ion:105 Resp: 177597
Ion Ratio Lower Upper
105 100
120 48.5 0.0 97.6





#77

t-1,4-Dichloro-2-butene

Concen: 18.884 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Tgt Ion: 75 Resp: 24658

Ion Ratio Lower Upper

75 100

53 87.1 46.0 138.0

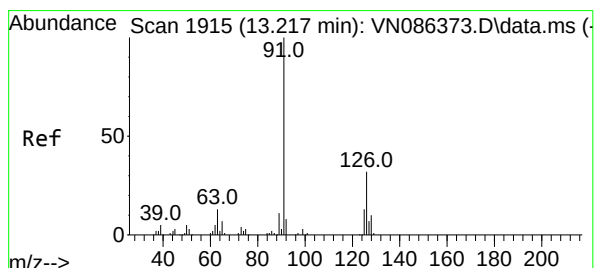
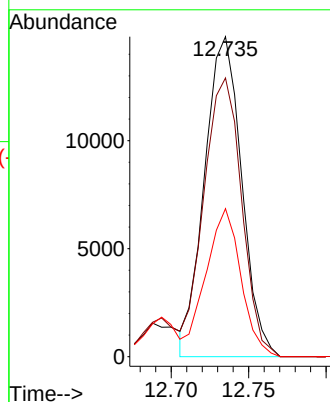
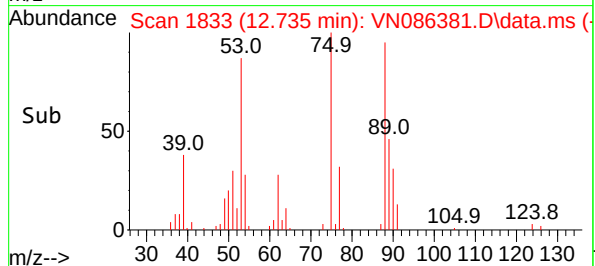
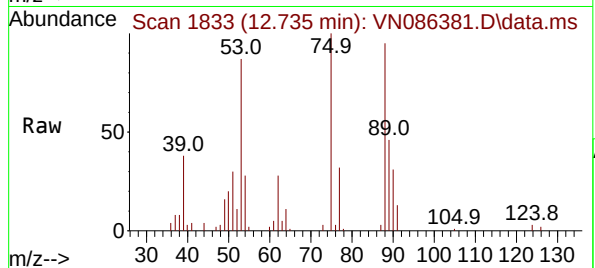
89 46.2 21.6 64.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#78

4-Chlorotoluene

Concen: 19.044 ug/l

RT: 13.217 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VN086381.D

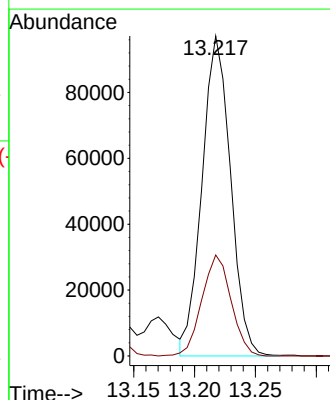
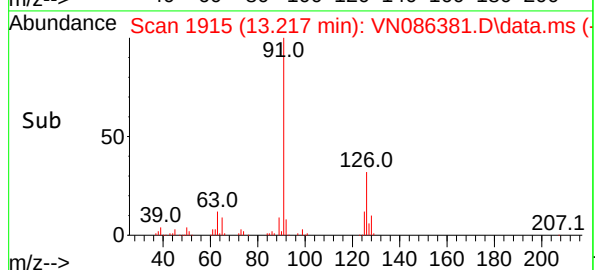
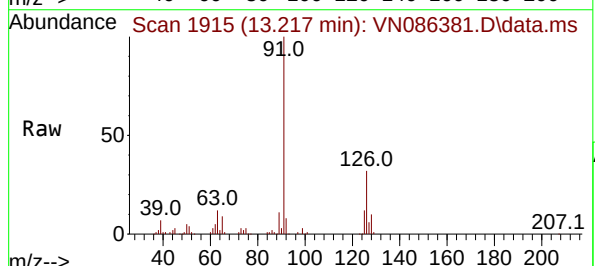
Acq: 23 Apr 2025 13:53

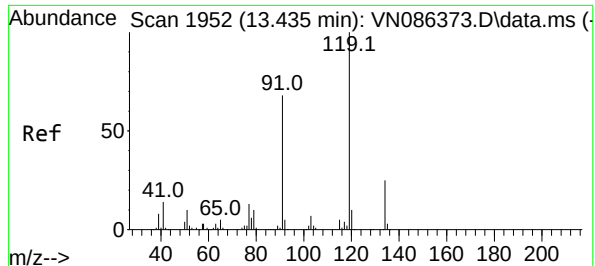
Tgt Ion: 91 Resp: 158316

Ion Ratio Lower Upper

91 100

126 32.3 0.0 65.4





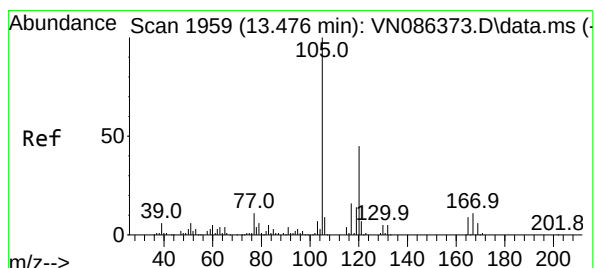
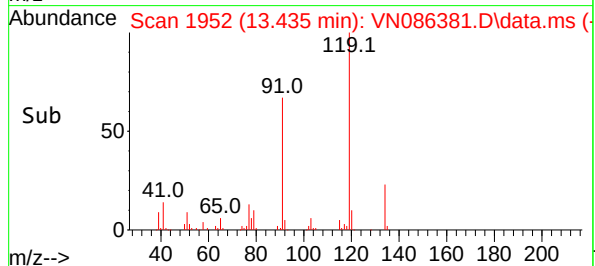
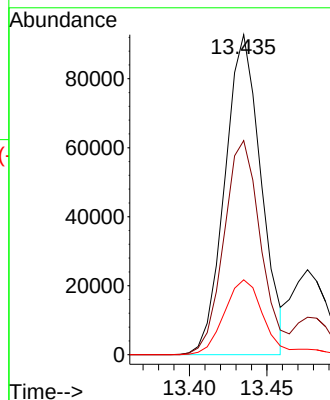
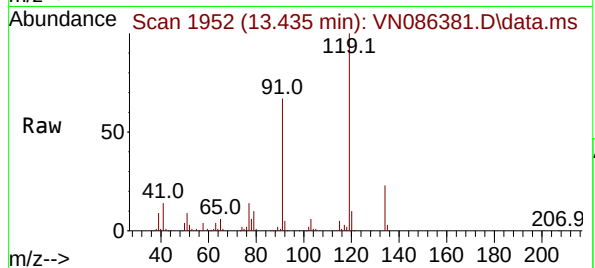
#79
tert-butylbenzene
Concen: 19.180 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Tgt Ion:119 Resp: 151069
Ion Ratio Lower Upper
119 100
91 68.4 0.0 137.4
134 24.6 0.0 49.2

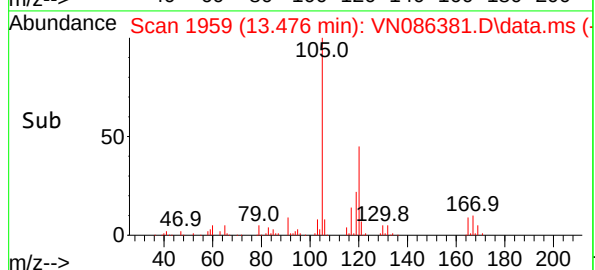
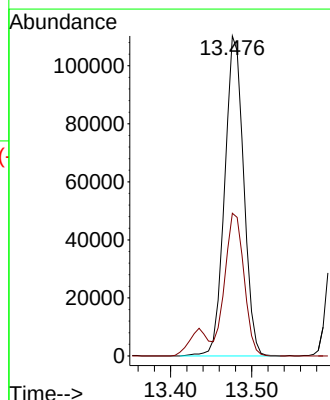
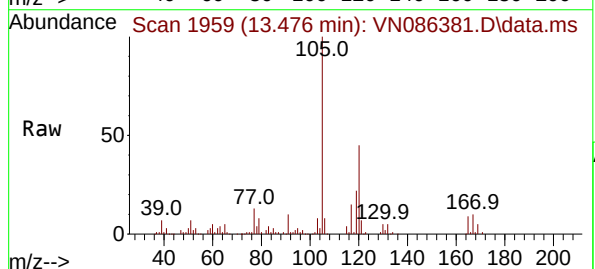
Manual Integrations
APPROVED

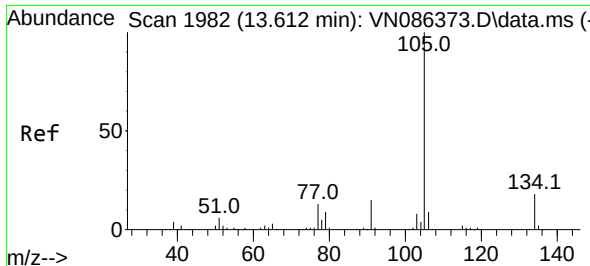
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#80
1,2,4-Trimethylbenzene
Concen: 19.103 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

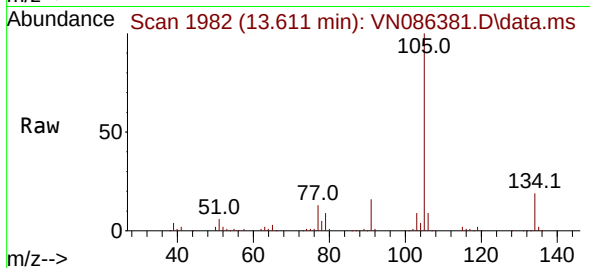
Tgt Ion:105 Resp: 179423
Ion Ratio Lower Upper
105 100
120 44.7 0.0 87.6





#81
sec-Butylbenzene
Concen: 19.091 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

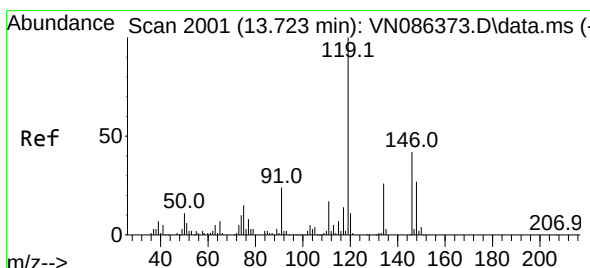
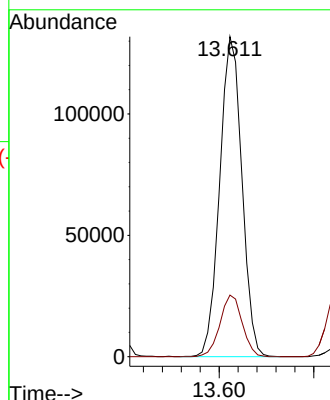
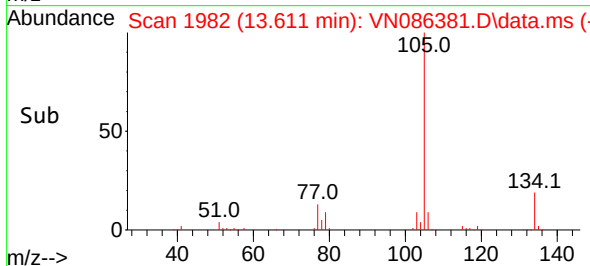
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



Tgt Ion:105 Resp: 21464
Ion Ratio Lower Upper
105 100
134 19.2 0.0 38.4

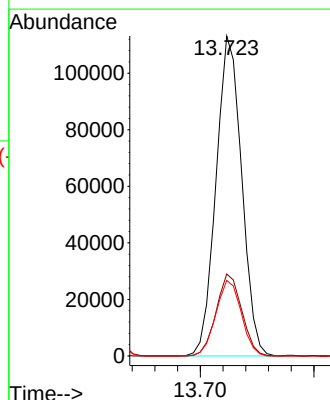
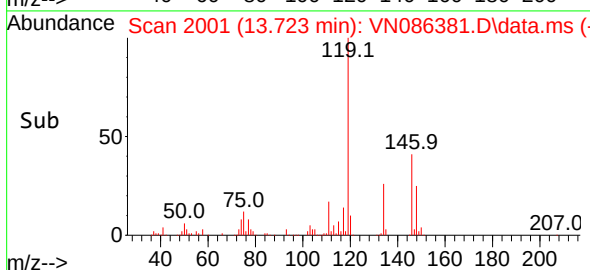
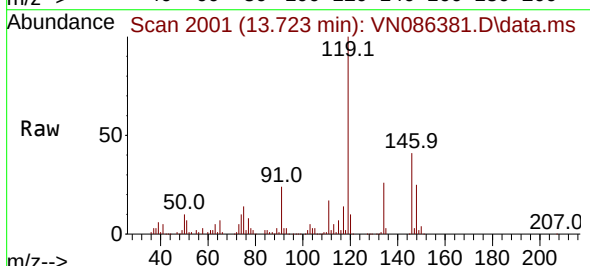
Manual Integrations
APPROVED

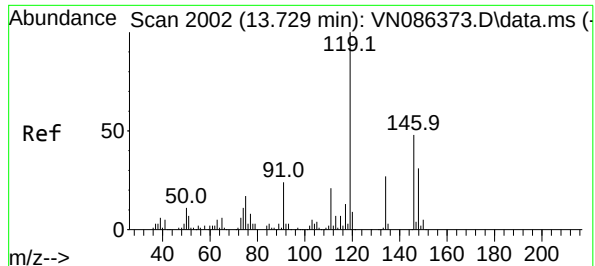
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#82
p-Isopropyltoluene
Concen: 18.866 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

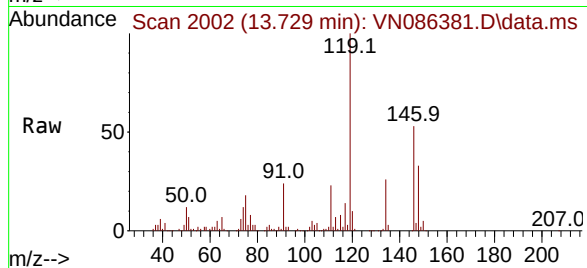
Tgt Ion:119 Resp: 177486
Ion Ratio Lower Upper
119 100
134 25.4 0.0 52.2
91 23.4 0.0 47.6





#83
1,3-Dichlorobenzene
Concen: 18.889 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

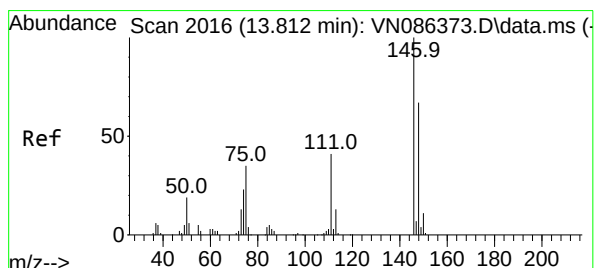
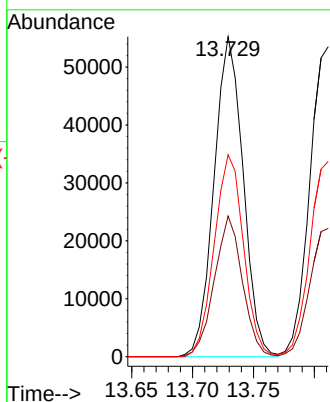
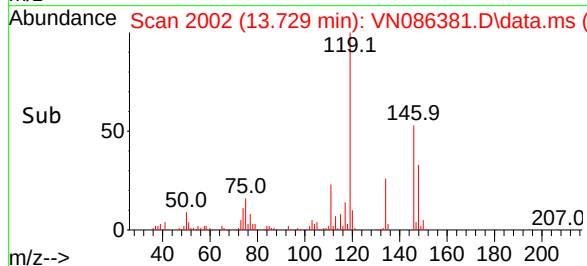
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



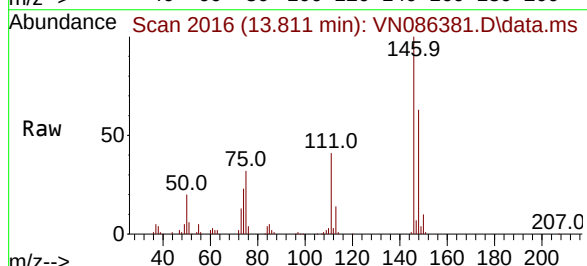
Tgt Ion:146 Resp: 92009
Ion Ratio Lower Upper
146 100
111 42.4 20.7 62.1
148 63.4 32.3 96.8

Manual Integrations
APPROVED

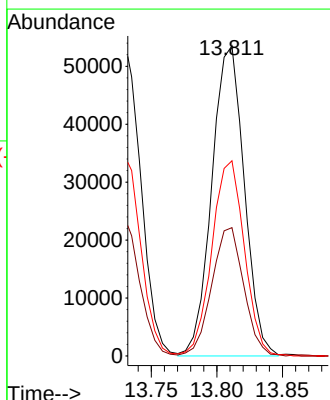
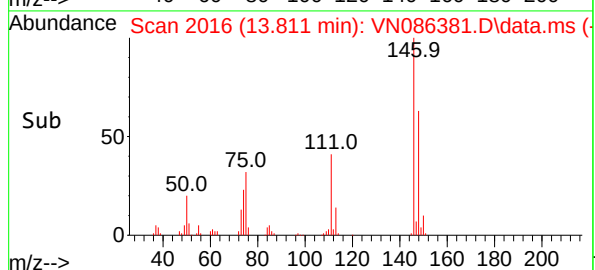
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

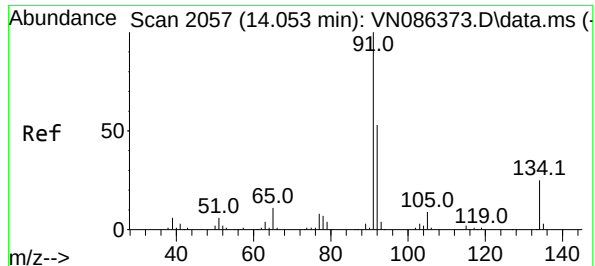


#84
1,4-Dichlorobenzene
Concen: 19.142 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53



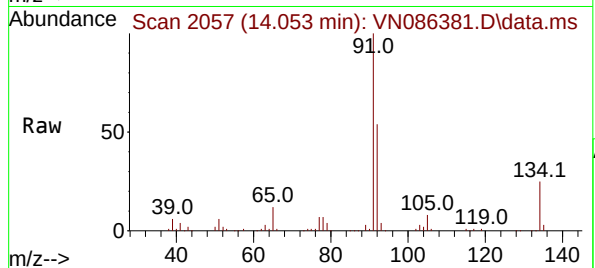
Tgt Ion:146 Resp: 92122
Ion Ratio Lower Upper
146 100
111 40.8 20.3 60.8
148 63.0 32.4 97.2





#85
n-Butylbenzene
Concen: 18.762 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

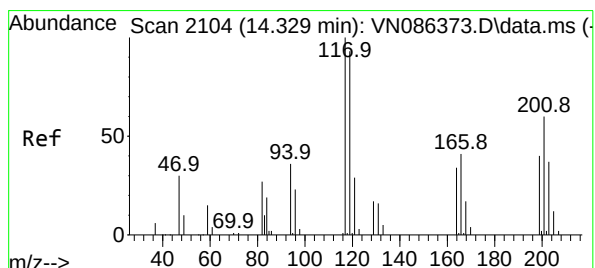
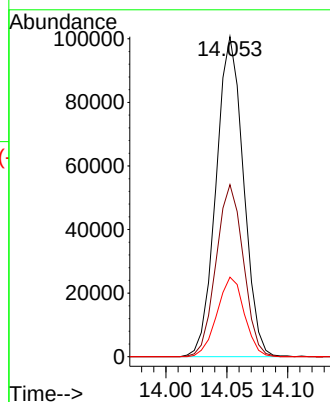
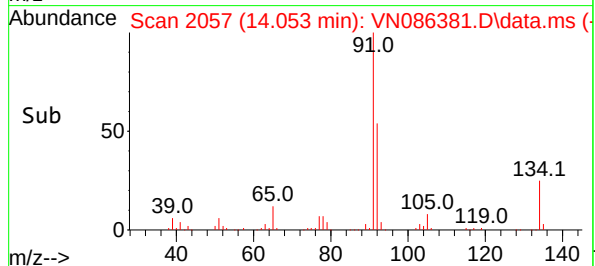
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



Tgt Ion: 91 Resp: 157490
Ion Ratio Lower Upper
91 100
92 53.5 0.0 107.2
134 24.8 0.0 48.2

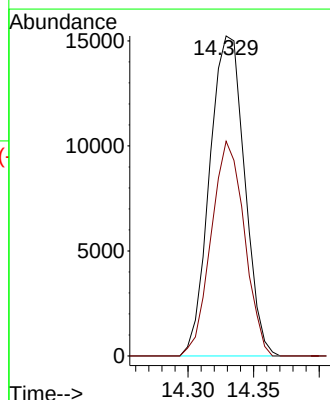
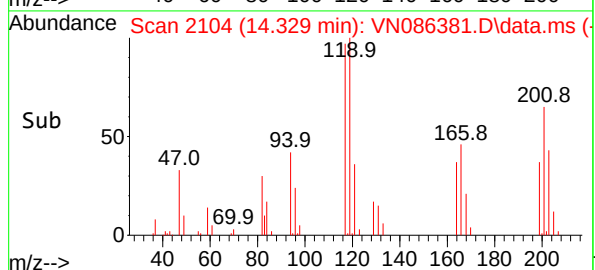
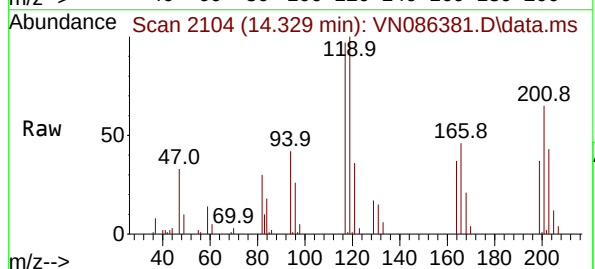
Manual Integrations
APPROVED

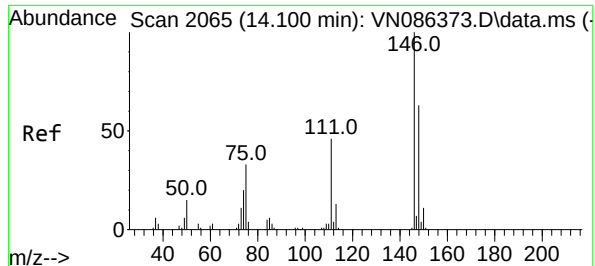
Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#86
Hexachloroethane
Concen: 18.358 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Tgt Ion:117 Resp: 28240
Ion Ratio Lower Upper
117 100
201 63.8 31.7 95.1





#87

1,2-Dichlorobenzene

Concen: 19.078 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

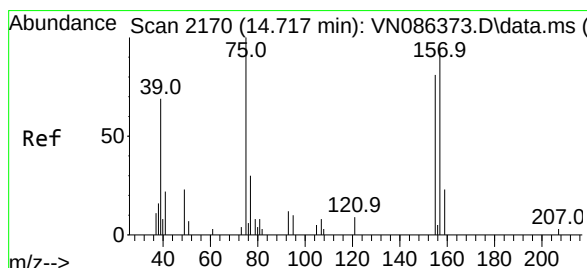
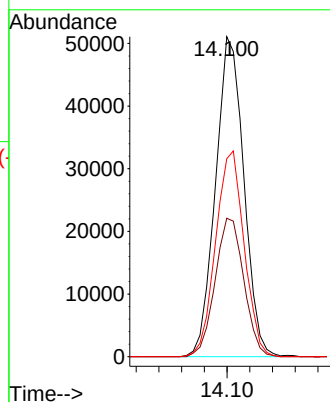
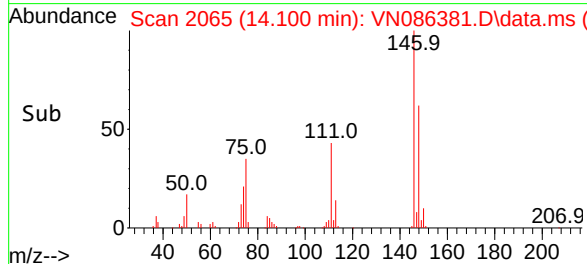
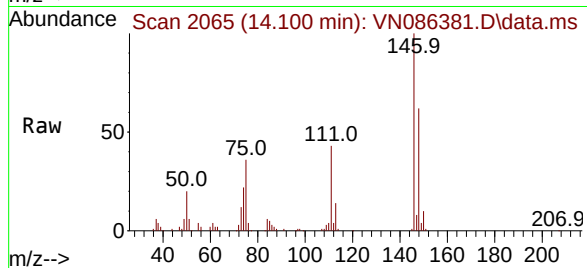
Tgt Ion:	146	Resp:	8842
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.1	66.3
148	64.7	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.684 ug/l

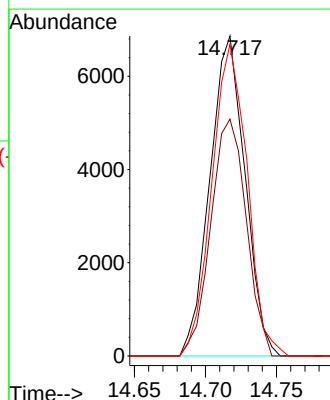
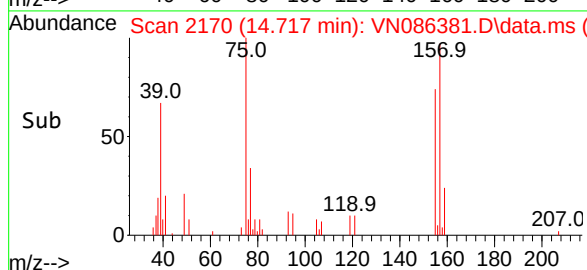
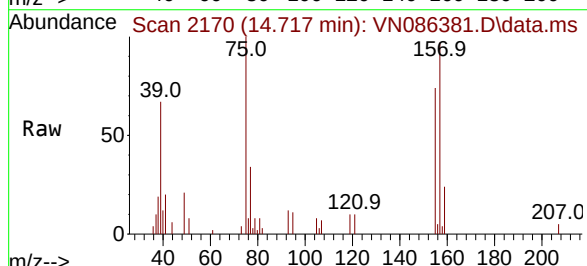
RT: 14.717 min Scan# 2170

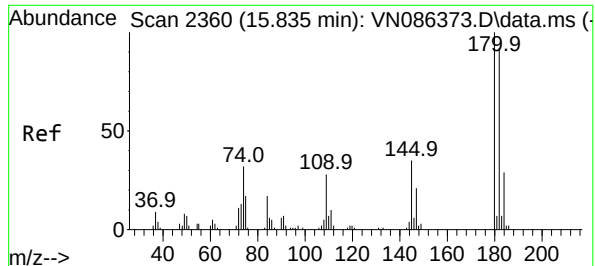
Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Tgt Ion:	75	Resp:	11808
Ion	Ratio	Lower	Upper
75	100		
155	74.8	64.0	96.0
157	97.7	78.2	117.4





#89

1,2,4-Trichlorobenzene

Concen: 19.995 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042325

Tgt Ion:180 Resp: 42238

Ion Ratio Lower Upper

180 100

182 95.5 74.8 112.2

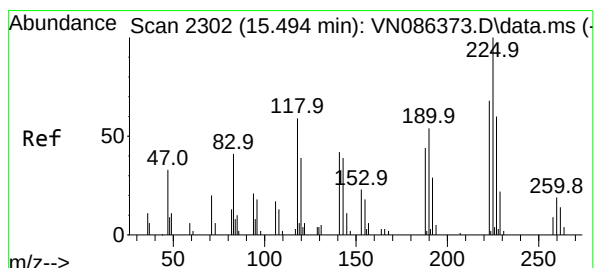
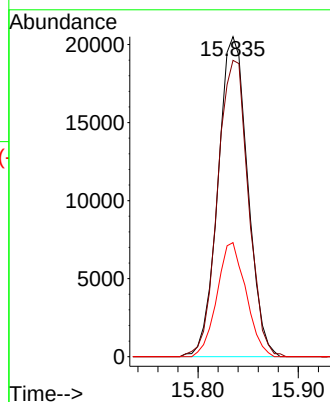
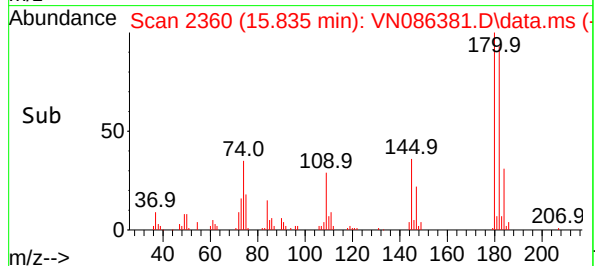
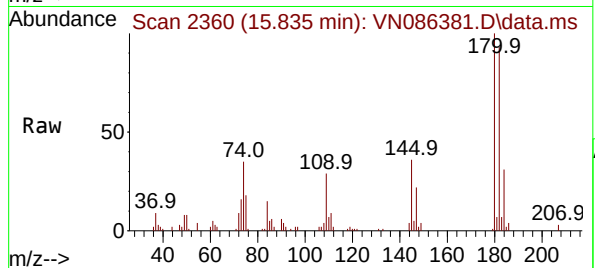
145 34.8 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/24/2025

Supervised By :Mahesh Dadoda 04/25/2025



#90

Hexachlorobutadiene

Concen: 21.534 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.000 min

Lab File: VN086381.D

Acq: 23 Apr 2025 13:53

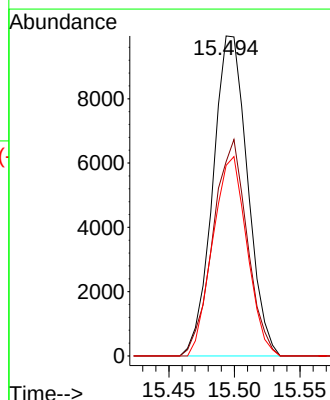
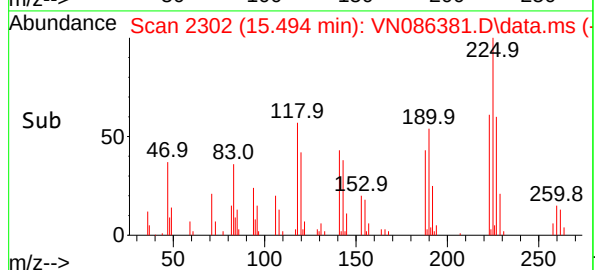
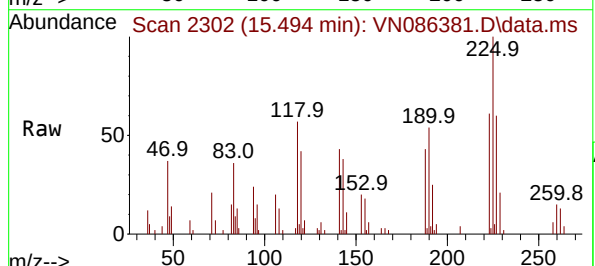
Tgt Ion:225 Resp: 18323

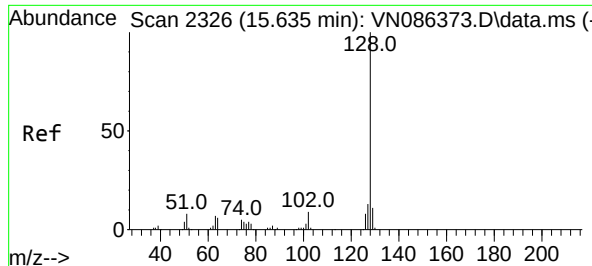
Ion Ratio Lower Upper

225 100

223 66.5 0.0 128.8

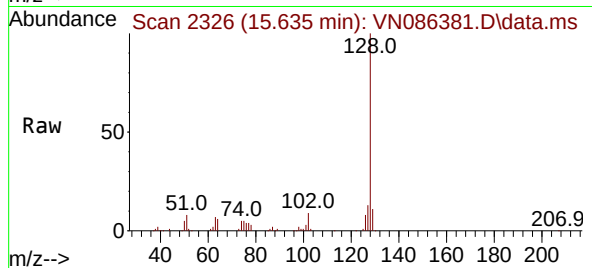
227 61.5 0.0 120.2





#91
Naphthalene
Concen: 20.413 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

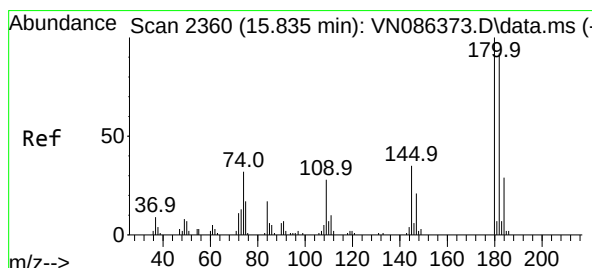
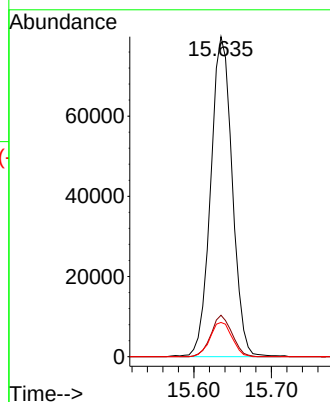
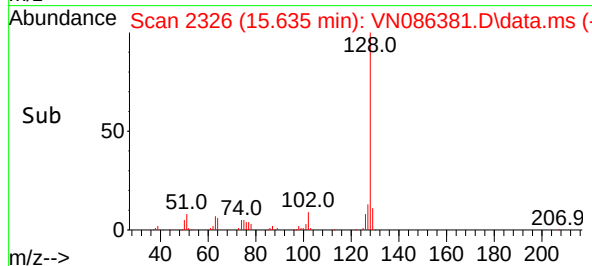
Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325



Tgt Ion:128 Resp: 154380
Ion Ratio Lower Upper
128 100
127 12.6 10.6 15.8
129 10.9 8.7 13.1

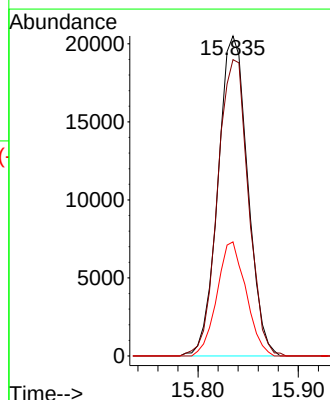
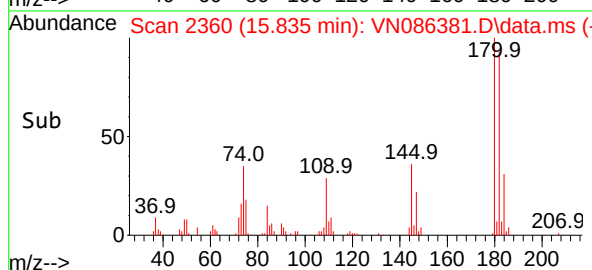
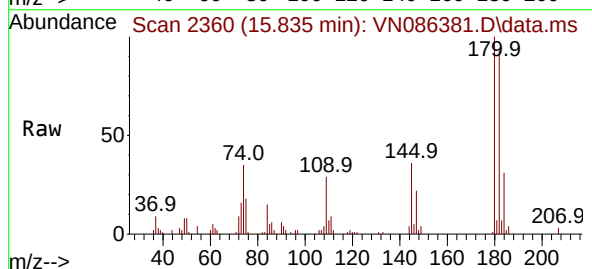
Manual Integrations
APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



#92
1,2,3-Trichlorobenzene
Concen: 19.995 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086381.D
Acq: 23 Apr 2025 13:53

Tgt Ion:180 Resp: 42238
Ion Ratio Lower Upper
180 100
182 95.5 0.0 187.0
145 34.8 0.0 67.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086381.D
 Acq On : 23 Apr 2025 13:53
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042325

Quant Time: Apr 24 04:50:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2 M	Dichlorodifluoromethane	2.071	2.142	-3.4	100	0.00
3 M	Chloromethane	2.942	3.004	-2.1	103	0.00
4 M	Vinyl Chloride	2.818	2.881	-2.2	102	0.00
5 M	Bromomethane	1.471	1.544	-5.0	103	0.00
6 M	Chloroethane	1.879	1.863	0.9	99	0.00
7 M	Trichlorofluoromethane	3.326	3.299	0.8	97	0.00
8 T	Diethyl Ether	1.404	1.412	-0.6	102	0.00
9	1,1,2-Trichlorotrifluoroeth	2.045	2.068	-1.1	101	0.00
10 M	1,1-Dichloroethene	2.093	2.063	1.4	98	0.00
11	Methyl Iodide	2.449	2.463	-0.6	101	0.00
12	Methyl Acetate	2.966	3.032	-2.2	101	0.00
13 M	Acrolein	0.150	0.126	16.0	98	0.00
14 M	Acrylonitrile	1.104	1.120	-1.4	101	0.00
15 M	Acetone	0.304	0.327	-7.6	117	0.00
16 M	Carbon Disulfide	5.515	5.689	-3.2	101	0.00
17	Allyl chloride	3.346	3.402	-1.7	104	0.00
18 M	Methylene Chloride	2.383	2.363	0.8	99	0.00
19 M	trans-1,2-Dichloroethene	2.231	2.238	-0.3	101	0.00
20 T	Diisopropyl ether	7.957	7.865	1.2	100	0.00
21 M	1,1-Dichloroethane	4.355	4.345	0.2	100	0.00
22 M	cis-1,2-Dichloroethene	2.789	2.775	0.5	101	0.00
23 M	tert-Butyl Alcohol	0.428	0.449	-4.9	98	0.00
24 M	Methyl tert-Butyl Ether	7.733	7.790	-0.7	101	0.00
25 M	Chloroform	4.408	4.367	0.9	98	0.00
26	Cyclohexane	3.846	3.789	1.5	100	0.00
27 s	1,2-Dichloroethane-d4	2.892	2.931	-1.3	98	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29	1,1-Dichloropropene	0.529	0.509	3.8	101	0.00
30 M	2-Butanone	0.257	0.254	1.2	102	0.00
31	2,2-Dichloropropane	0.680	0.645	5.1	98	0.00
32 M	1,1,1-Trichloroethane	0.632	0.607	4.0	99	0.00
33 M	Carbon Tetrachloride	0.520	0.499	4.0	98	0.00
34 M	Benzene	1.682	1.632	3.0	100	0.00
35	Methacrylonitrile	0.293	0.278	5.1	93	0.00
36 M	1,2-Dichloroethane	0.546	0.531	2.7	100	0.00
37 M	Trichloroethene	0.421	0.401	4.8	101	0.00
38	Methylcyclohexane	0.611	0.587	3.9	100	0.00
39 M	1,2-Dichloropropane	0.416	0.396	4.8	98	0.00
40	Dibromomethane	0.278	0.268	3.6	98	0.00
41 M	Bromodichloromethane	0.588	0.572	2.7	100	0.00
42 M	Vinyl Acetate	0.889	0.874	1.7	99	0.00
43	Ethyl Acetate	0.508	0.480	5.5	101	0.00
44	Isopropyl Acetate	0.964	0.955	0.9	102	0.00
45 T	1,4-Dioxane	0.008	0.008	0.0	101	0.00
46	Methyl methacrylate	0.445	0.427	4.0	99	0.00
47	n-amyl Acetate	0.822	0.766	6.8	98	0.00
48 M	t-1,3-Dichloropropene	0.657	0.630	4.1	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086381.D
 Acq On : 23 Apr 2025 13:53
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042325

Quant Time: Apr 24 04:50:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.693	0.667	3.8	100	0.00
50 M	1,1,2-Trichloroethane	0.388	0.382	1.5	100	0.00
51	Ethyl methacrylate	0.676	0.636	5.9	98	0.00
52	1,3-Dichloropropane	0.686	0.672	2.0	101	0.00
53 M	Dibromochloromethane	0.436	0.413	5.3	98	0.00
54 M	1,2-Dibromoethane	0.395	0.376	4.8	98	0.00
55 M	2-Chloroethyl vinyl ether	0.318	0.314	1.3	101	0.00
56 M	Bromoform	0.283	0.261	7.8	95	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	0.581	0.573	1.4	99	0.00
59 M	2-Hexanone	0.428	0.420	1.9	98	0.00
60 S	4-Bromofluorobenzene	0.590	0.564	4.4	96	0.00
61 M	Tetrachloroethene	0.458	0.437	4.6	100	0.00
62 M	Toluene	2.008	1.942	3.3	98	0.00
63 S	Toluene-d8	1.650	1.656	-0.4	98	0.00
64 M	Chlorobenzene	1.251	1.212	3.1	98	0.00
65	1,1,1,2-Tetrachloroethane	0.418	0.403	3.6	99	0.00
66 M	Ethyl Benzene	2.260	2.186	3.3	98	0.00
67 M	m/p-Xylenes	0.858	0.828	3.5	99	0.00
68 M	o-Xylene	0.840	0.807	3.9	99	0.00
69 M	Styrene	1.423	1.353	4.9	99	0.00
70	Isopropylbenzene	2.096	2.016	3.8	98	0.00
71 M	1,1,2,2-Tetrachloroethane	0.552	0.562	-1.8	98	0.00
72	1,2,3-Trichloropropane	0.481	0.472	1.9	100	0.00
73	Bromobenzene	0.482	0.464	3.7	98	0.00
74	n-propylbenzene	2.491	2.374	4.7	99	0.00
75	2-Chlorotoluene	1.555	1.488	4.3	98	0.00
76	1,3,5-Trimethylbenzene	1.720	1.661	3.4	100	0.00
77	t-1,4-Dichloro-2-butene	0.244	0.231	5.3	100	0.00
78	4-Chlorotoluene	1.555	1.480	4.8	101	0.00
79	tert-butylbenzene	1.473	1.413	4.1	99	0.00
80	1,2,4-Trimethylbenzene	1.757	1.678	4.5	99	0.00
81	sec-Butylbenzene	2.103	2.007	4.6	101	0.00
82	p-Isopropyltoluene	1.759	1.660	5.6	101	0.00
83 M	1,3-Dichlorobenzene	0.911	0.860	5.6	102	0.00
84 M	1,4-Dichlorobenzene	0.900	0.861	4.3	103	0.00
85	n-Butylbenzene	1.570	1.473	6.2	103	0.00
86 T	Hexachloroethane	0.288	0.264	8.3	99	0.00
87 M	1,2-Dichlorobenzene	0.867	0.827	4.6	102	0.00
88	1,2-Dibromo-3-Chloropropane	0.112	0.110	1.8	107	0.00
89	1,2,4-Trichlorobenzene	0.395	0.395	0.0	112	0.00
90	Hexachlorobutadiene	0.159	0.171	-7.5	119	0.00
91 M	Naphthalene	1.414	1.444	-2.1	114	0.00
92	1,2,3-Trichlorobenzene	0.395	0.395	0.0	112	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086381.D
 Acq On : 23 Apr 2025 13:53
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042325

Quant Time: Apr 24 04:50:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	100	0.00
2 M	Dichlorodifluoromethane	20.000	20.682	-3.4	100	0.00
3 M	Chloromethane	20.000	20.424	-2.1	103	0.00
4 M	Vinyl Chloride	20.000	20.449	-2.2	102	0.00
5 M	Bromomethane	20.000	20.985	-4.9	103	0.00
6 M	Chloroethane	20.000	19.838	0.8	99	0.00
7 M	Trichlorofluoromethane	20.000	19.836	0.8	97	0.00
8 T	Diethyl Ether	20.000	20.111	-0.6	102	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	20.227	-1.1	101	0.00
10 M	1,1-Dichloroethene	20.000	19.718	1.4	98	0.00
11	Methyl Iodide	20.000	20.120	-0.6	101	0.00
12	Methyl Acetate	20.000	20.442	-2.2	101	0.00
13 M	Acrolein	100.000	81.993	18.0	98	0.00
14 M	Acrylonitrile	100.000	101.422	-1.4	101	0.00
15 M	Acetone	100.000	107.574	-7.6	117	0.00
16 M	Carbon Disulfide	20.000	20.631	-3.2	101	0.00
17	Allyl chloride	20.000	20.329	-1.6	104	0.00
18 M	Methylene Chloride	20.000	19.828	0.9	99	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.070	-0.4	101	0.00
20 T	Diisopropyl ether	20.000	19.768	1.2	100	0.00
21 M	1,1-Dichloroethane	20.000	19.950	0.3	100	0.00
22 M	cis-1,2-Dichloroethene	20.000	19.895	0.5	101	0.00
23 M	tert-Butyl Alcohol	100.000	104.953	-5.0	98	0.00
24 M	Methyl tert-Butyl Ether	20.000	20.147	-0.7	101	0.00
25 M	Chloroform	20.000	19.815	0.9	98	0.00
26	Cyclohexane	20.000	19.705	1.5	100	0.00
27 s	1,2-Dichloroethane-d4	30.000	30.399	-1.3	98	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	100	0.00
29	1,1-Dichloropropene	20.000	19.252	3.7	101	0.00
30 M	2-Butanone	100.000	98.812	1.2	102	0.00
31	2,2-Dichloropropane	20.000	18.971	5.1	98	0.00
32 M	1,1,1-Trichloroethane	20.000	19.213	3.9	99	0.00
33 M	Carbon Tetrachloride	20.000	19.200	4.0	98	0.00
34 M	Benzene	20.000	19.408	3.0	100	0.00
35	Methacrylonitrile	20.000	18.965	5.2	93	0.00
36 M	1,2-Dichloroethane	20.000	19.464	2.7	100	0.00
37 M	Trichloroethene	20.000	19.047	4.8	101	0.00
38	Methylcyclohexane	20.000	19.209	4.0	100	0.00
39 M	1,2-Dichloropropane	20.000	19.063	4.7	98	0.00
40	Dibromomethane	20.000	19.273	3.6	98	0.00
41 M	Bromodichloromethane	20.000	19.438	2.8	100	0.00
42 M	Vinyl Acetate	100.000	98.241	1.8	99	0.00
43	Ethyl Acetate	20.000	18.897	5.5	101	0.00
44	Isopropyl Acetate	20.000	19.805	1.0	102	0.00
45 T	1,4-Dioxane	400.000	411.534	-2.9	101	0.00
46	Methyl methacrylate	20.000	19.190	4.0	99	0.00
47	n-amyl Acetate	20.000	18.642	6.8	98	0.00
48 M	t-1,3-Dichloropropene	20.000	19.167	4.2	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
 Data File : VN086381.D
 Acq On : 23 Apr 2025 13:53
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042325

Quant Time: Apr 24 04:50:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.233	3.8	100	0.00
50 M	1,1,2-Trichloroethane	20.000	19.666	1.7	100	0.00
51	Ethyl methacrylate	20.000	18.819	5.9	98	0.00
52	1,3-Dichloropropane	20.000	19.590	2.1	101	0.00
53 M	Dibromochloromethane	20.000	18.927	5.4	98	0.00
54 M	1,2-Dibromoethane	20.000	19.043	4.8	98	0.00
55 M	2-Chloroethyl vinyl ether	100.000	98.770	1.2	101	0.00
56 M	Bromoform	20.000	18.434	7.8	95	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	100.000	98.743	1.3	99	0.00
59 M	2-Hexanone	100.000	98.060	1.9	98	0.00
60 S	4-Bromofluorobenzene	30.000	28.685	4.4	96	0.00
61 M	Tetrachloroethene	20.000	19.102	4.5	100	0.00
62 M	Toluene	20.000	19.339	3.3	98	0.00
63 S	Toluene-d8	30.000	30.100	-0.3	98	0.00
64 M	Chlorobenzene	20.000	19.378	3.1	98	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.270	3.7	99	0.00
66 M	Ethyl Benzene	20.000	19.345	3.3	98	0.00
67 M	m/p-Xylenes	40.000	38.625	3.4	99	0.00
68 M	o-Xylene	20.000	19.209	4.0	99	0.00
69 M	Styrene	20.000	19.014	4.9	99	0.00
70	Isopropylbenzene	20.000	19.236	3.8	98	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.382	-1.9	98	0.00
72	1,2,3-Trichloropropane	20.000	19.624	1.9	100	0.00
73	Bromobenzene	20.000	19.266	3.7	98	0.00
74	n-propylbenzene	20.000	19.064	4.7	99	0.00
75	2-Chlorotoluene	20.000	19.133	4.3	98	0.00
76	1,3,5-Trimethylbenzene	20.000	19.311	3.4	100	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.884	5.6	100	0.00
78	4-Chlorotoluene	20.000	19.044	4.8	101	0.00
79	tert-butylbenzene	20.000	19.180	4.1	99	0.00
80	1,2,4-Trimethylbenzene	20.000	19.103	4.5	99	0.00
81	sec-Butylbenzene	20.000	19.091	4.5	101	0.00
82	p-Isopropyltoluene	20.000	18.866	5.7	101	0.00
83 M	1,3-Dichlorobenzene	20.000	18.889	5.6	102	0.00
84 M	1,4-Dichlorobenzene	20.000	19.142	4.3	103	0.00
85	n-Butylbenzene	20.000	18.762	6.2	103	0.00
86 T	Hexachloroethane	20.000	18.358	8.2	99	0.00
87 M	1,2-Dichlorobenzene	20.000	19.078	4.6	102	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.684	1.6	107	0.00
89	1,2,4-Trichlorobenzene	20.000	19.995	0.0	112	0.00
90	Hexachlorobutadiene	20.000	21.534	-7.7	119	0.00
91 M	Naphthalene	20.000	20.413	-2.1	114	0.00
92	1,2,3-Trichlorobenzene	20.000	19.995	0.0	112	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TULL01

Lab Code: CHEM Case No.: Q1949 SAS No.: Q1949 SDG No.: Q1949

Instrument ID: MSVOA_N Calibration Date/Time: 05/07/2025 11:01

Lab File ID: VN086528.D Init. Calib. Date(s): 04/23/2025 04/23/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:22 13:17

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Benzene	1.682	1.671	0.5	-0.65	
Toluene	2.008	2.038	0.4	1.49	
Ethyl Benzene	2.260	2.276	0.1	0.71	
m/p-Xylenes	0.858	0.880	0.3	2.56	
o-Xylene	0.840	0.865	0.3	2.98	
1,2-Dichloroethane-d4	2.892	2.674	0.01	-7.54	
Toluene-d8	1.650	1.615	0.01	-2.12	
4-Bromofluorobenzene	0.590	0.568	0.2	-3.73	

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\VN050725\
 Data File : VN086528.D
 Acq On : 07 May 2025 11:01
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

Quant Time: May 08 03:24:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	37360	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	216995	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	198839	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	99910	27.738	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.467%		
60) 4-Bromofluorobenzene	12.847	95	112846	28.875	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.267%		
63) Toluene-d8	10.565	98	321075	29.351	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.833%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	53985	20.930	ug/l	99
3) Chloromethane	2.359	50	65054	17.756	ug/l	96
4) Vinyl Chloride	2.518	62	64179	18.289	ug/l	98
5) Bromomethane	2.965	94	38177	20.838	ug/l	99
6) Chloroethane	3.124	64	41609	17.786	ug/l	99
7) Trichlorofluoromethane	3.500	101	88752	21.427	ug/l	98
8) Diethyl Ether	3.959	74	34168	19.542	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	53784	21.121	ug/l	97
10) 1,1-Dichloroethene	4.341	96	51914	19.918	ug/l	98
11) Methyl Iodide	4.589	142	64640	21.196	ug/l	98
12) Methyl Acetate	5.024	43	62090	16.807	ug/l	98
13) Acrolein	4.183	56	32715	213.281	ug/l	98
14) Acrylonitrile	5.718	53	129782	94.393	ug/l	99
15) Acetone	4.430	58	32898	86.833	ug/l	94
16) Carbon Disulfide	4.712	76	134034	19.516	ug/l	100
17) Allyl chloride	5.024	41	74879	17.967	ug/l	98
18) Methylene Chloride	5.271	84	59885	20.176	ug/l	92
19) trans-1,2-Dichloroethene	5.783	96	55519	19.985	ug/l	98
20) Diisopropyl ether	6.665	45	177728	17.936	ug/l	97
21) 1,1-Dichloroethane	6.565	63	102960	18.982	ug/l	98
22) cis-1,2-Dichloroethene	7.482	96	69575	20.029	ug/l	92
23) tert-Butyl Alcohol	5.506	59	53790	100.991	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	188309	19.555	ug/l	98
25) Chloroform	7.965	83	107970	19.669	ug/l	96
26) Cyclohexane	8.253	56	86900	18.145	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	76991	20.126	ug/l	97
30) 2-Butanone	7.477	43	172553	92.932	ug/l	98
31) 2,2-Dichloropropane	7.488	77	97827	19.893	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	94185	20.604	ug/l	99
33) Carbon Tetrachloride	8.359	117	81922	21.769	ug/l	96
34) Benzene	8.600	78	241797	19.873	ug/l	95
35) Methacrylonitrile	7.777	41	38746	18.293	ug/l	92
36) 1,2-Dichloroethane	8.671	62	79391	20.097	ug/l	100
37) Trichloroethene	9.347	130	64201	21.077	ug/l	90
38) Methylcyclohexane	9.594	83	89174	20.184	ug/l	96
39) 1,2-Dichloropropane	9.618	63	57156	19.015	ug/l	98
40) Dibromomethane	9.706	93	41312	20.552	ug/l	93
41) Bromodichloromethane	9.882	83	85441	20.085	ug/l	98
42) Vinyl Acetate	6.600	43	633724	98.527	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086528.D
 Acq On : 07 May 2025 11:01
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

Quant Time: May 08 03:24:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	69949	19.036	ug/l	100
44) Isopropyl Acetate	8.682	43	130062	18.650	ug/l	100
45) 1,4-Dioxane	9.688	88	23810	437.588	ug/l	92
46) Methyl methacrylate	9.676	41	59173	18.395	ug/l	98
47) n-amyl Acetate	12.488	43	109148	18.363	ug/l	99
48) t-1,3-Dichloropropene	10.829	75	91150	19.166	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	97650	19.471	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	58291	20.761	ug/l	96
51) Ethyl methacrylate	10.870	69	93251	19.070	ug/l	94
52) 1,3-Dichloropropane	11.159	76	99333	20.017	ug/l	99
53) Dibromochloromethane	11.353	129	65375	20.736	ug/l	100
54) 1,2-Dibromoethane	11.465	107	58896	20.630	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	159859	69.532	ug/l	97
56) Bromoform	12.576	173	42168	20.611	ug/l #	99
58) 4-Methyl-2-Pentanone	10.441	43	361408	93.925	ug/l	99
59) 2-Hexanone	11.194	43	262377	92.531	ug/l	97
61) Tetrachloroethene	11.100	164	67183	22.153	ug/l	95
62) Toluene	10.629	91	270131	20.296	ug/l	98
64) Chlorobenzene	11.888	112	173125	20.876	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	59129	21.324	ug/l	99
66) Ethyl Benzene	11.959	91	301687	20.138	ug/l	100
67) m/p-Xylenes	12.065	106	233396	41.060	ug/l	100
68) o-Xylene	12.394	106	114679	20.605	ug/l	96
69) Styrene	12.406	104	186682	19.789	ug/l	99
70) Isopropylbenzene	12.694	105	283622	20.414	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	75591	20.664	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	62804m	19.692	ug/l	
73) Bromobenzene	12.976	156	69104	21.635	ug/l	90
74) n-propylbenzene	13.029	91	326678	19.787	ug/l	97
75) 2-Chlorotoluene	13.123	91	205084	19.899	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	231127	20.275	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	28398	17.545	ug/l	95
78) 4-Chlorotoluene	13.217	91	201932	19.596	ug/l	98
79) tert-butylbenzene	13.435	119	200195	20.505	ug/l	97
80) 1,2,4-Trimethylbenzene	13.476	105	230192	19.772	ug/l	96
81) sec-Butylbenzene	13.611	105	274496	19.696	ug/l	98
82) p-Isopropyltoluene	13.723	119	230453	19.762	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	121165	20.067	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	121794	20.416	ug/l	98
85) n-Butylbenzene	14.053	91	193640	18.609	ug/l	99
86) Hexachloroethane	14.329	117	35807	18.778	ug/l	94
87) 1,2-Dichlorobenzene	14.100	146	117423	20.439	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	14430	19.407	ug/l	95
89) 1,2,4-Trichlorobenzene	15.835	180	53911	20.589	ug/l	98
90) Hexachlorobutadiene	15.500	225	22568	21.397	ug/l	97
91) Naphthalene	15.635	128	181619	19.374	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	53911	20.589	ug/l	98

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

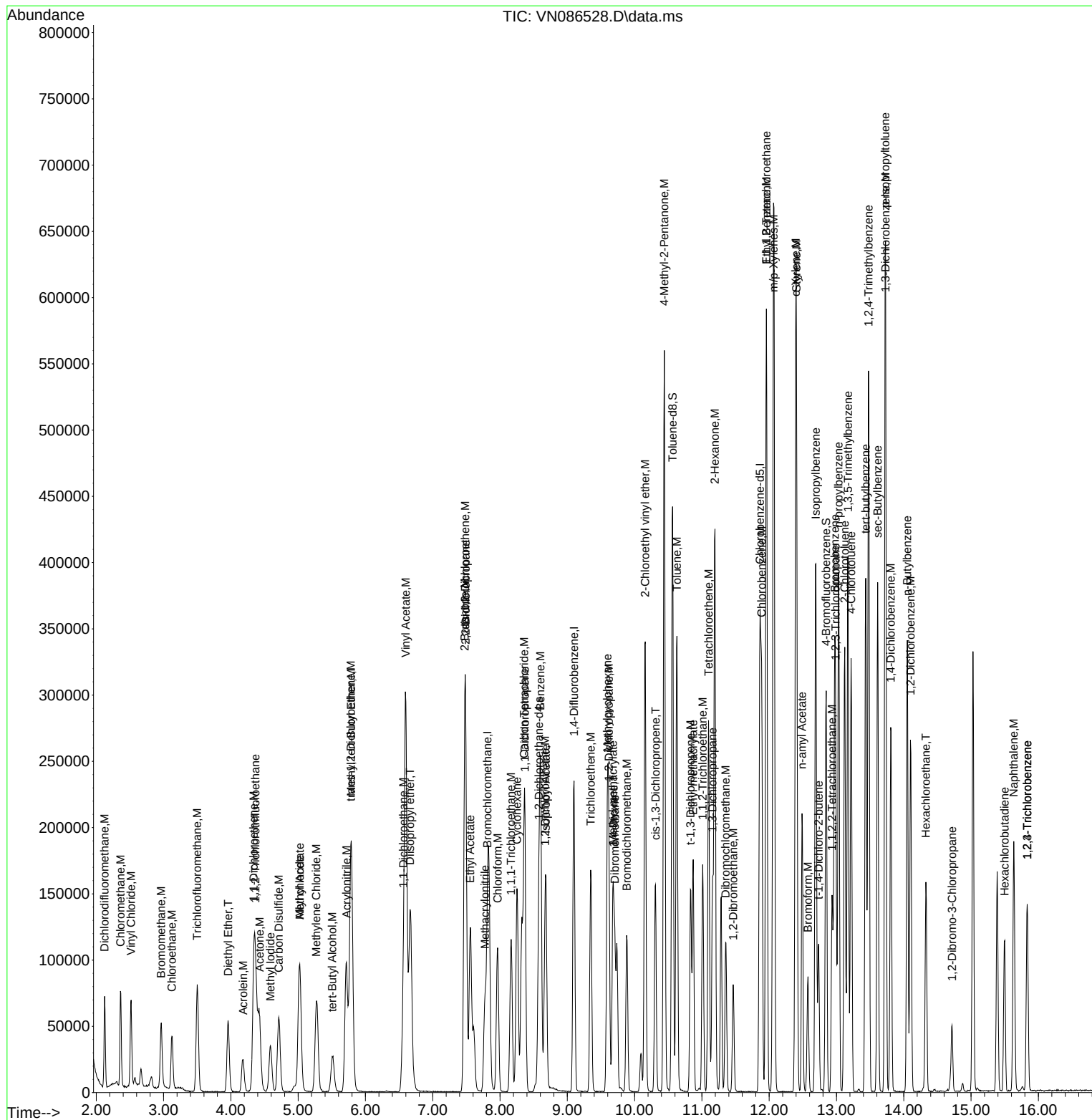

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Data File : VN086528.D  
Acq On    : 07 May 2025  11:01  
Operator  : JC\MD  
Sample    : VSTDCCC020  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 2    Sample Multiplier: 1
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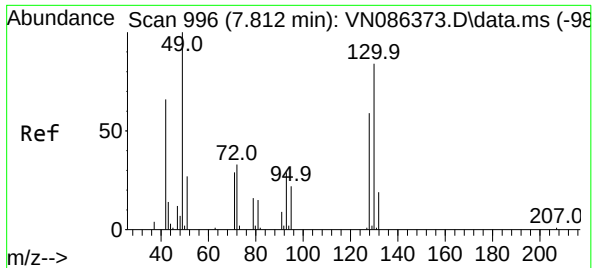
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MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations

Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

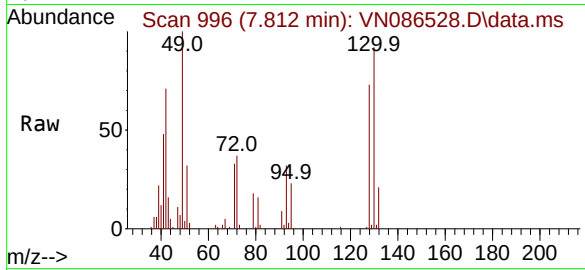
Quant Time: May 08 03:24:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

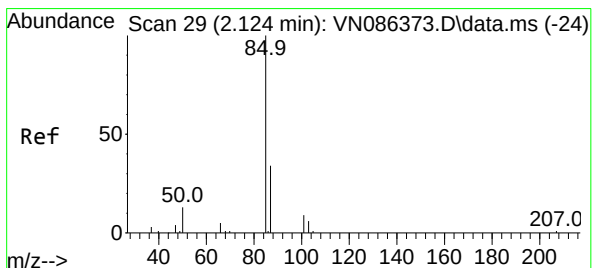
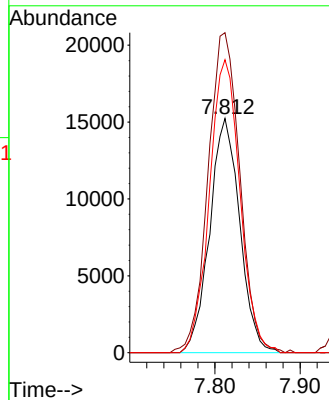
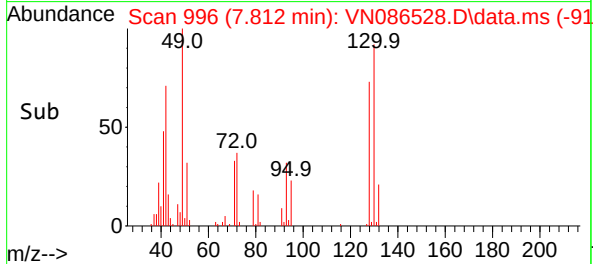
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 128 Resp: 37360
Ion Ratio Lower Upper
128 100
49 144.2 0.0 433.8
130 127.5 0.0 325.0

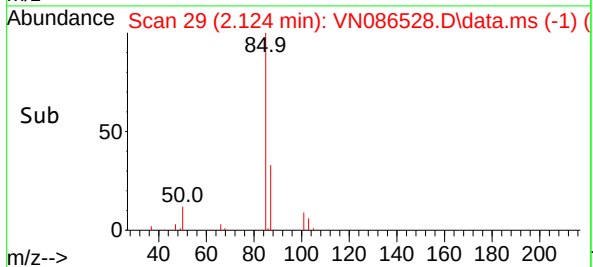
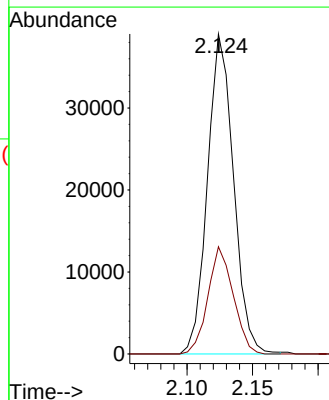
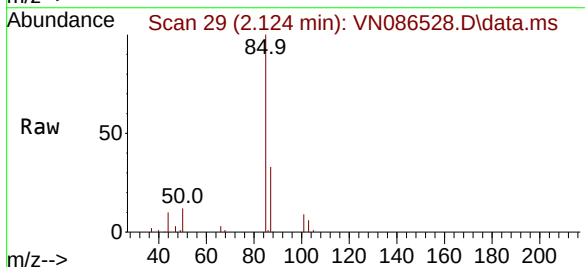
Manual Integrations
APPROVED

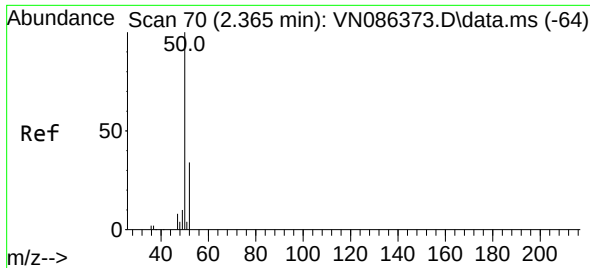
Reviewed By : John Carlone 05/08/2025
Supervised By : Mahesh Dadoda 05/08/2025



#2
Dichlorodifluoromethane
Concen: 20.930 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

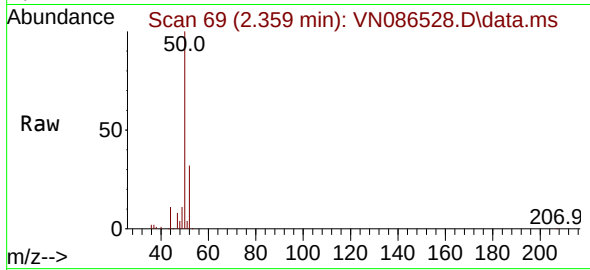
Tgt Ion: 85 Resp: 53985
Ion Ratio Lower Upper
85 100
87 33.5 17.0 50.9





#3
Chloromethane
Concen: 17.756 ug/l
RT: 2.359 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

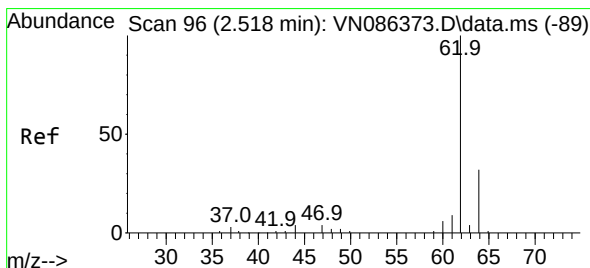
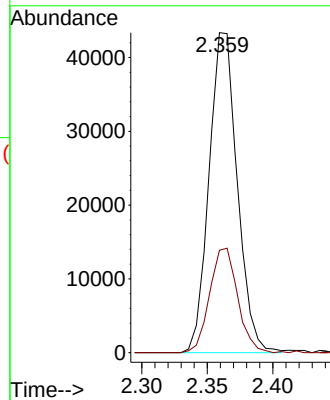
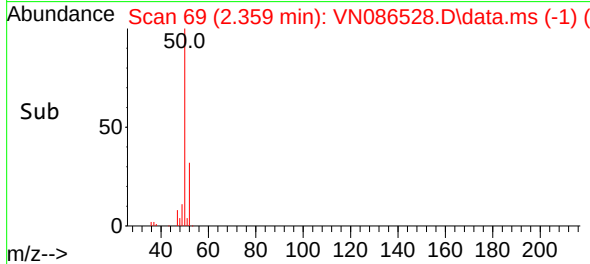
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 50 Resp: 65054
Ion Ratio Lower Upper
50 100
52 32.0 27.3 40.9

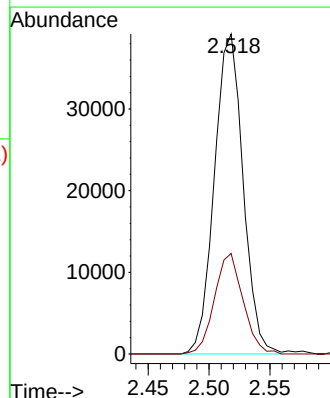
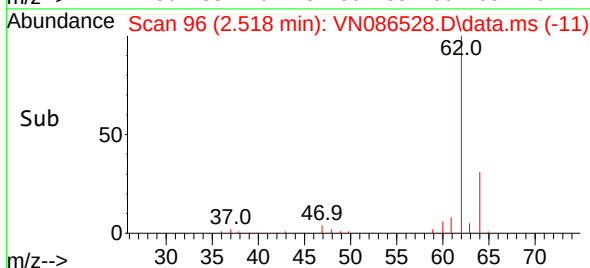
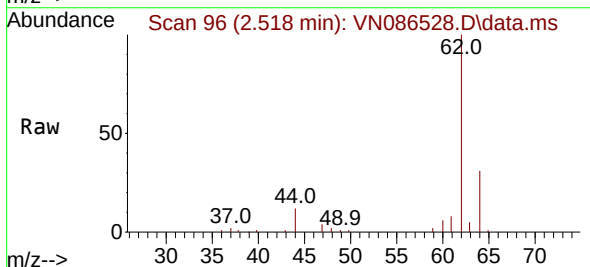
Manual Integrations
APPROVED

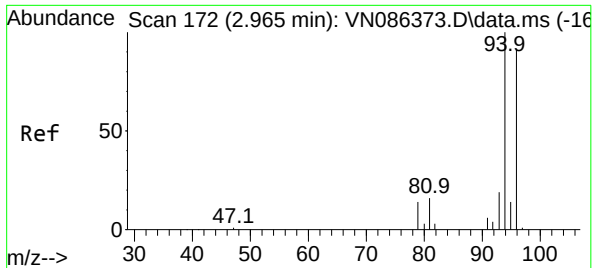
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#4
Vinyl Chloride
Concen: 18.289 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

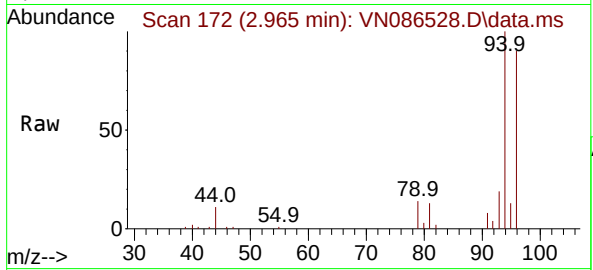
Tgt Ion: 62 Resp: 64179
Ion Ratio Lower Upper
62 100
64 31.4 25.8 38.8





#5
Bromomethane
Concen: 20.838 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

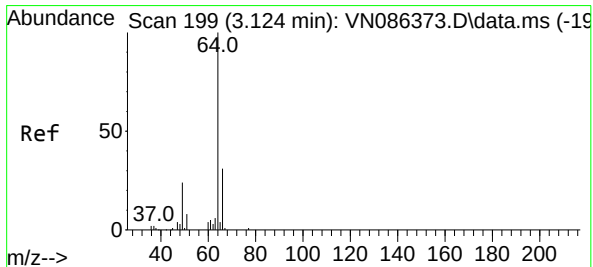
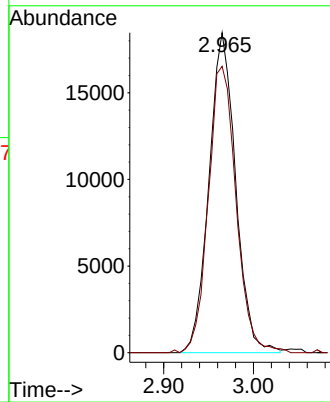
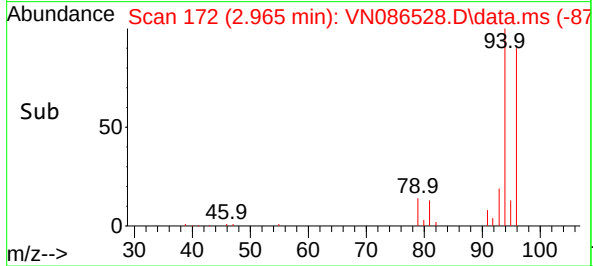
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 94 Resp: 3817
Ion Ratio Lower Upper
94 100
96 89.5 72.4 108.6

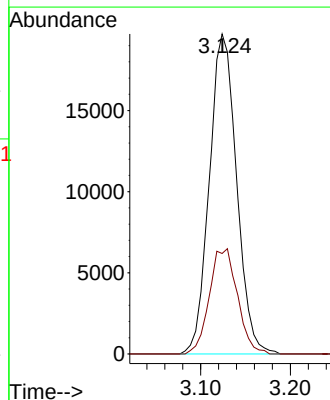
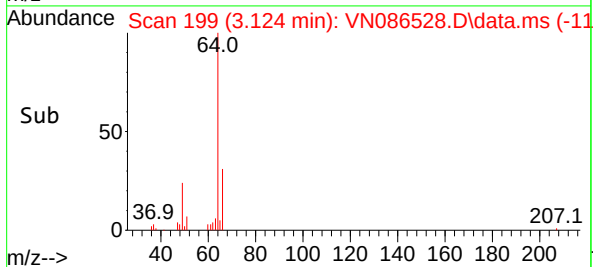
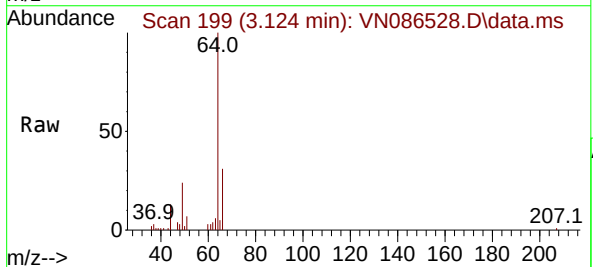
Manual Integrations
APPROVED

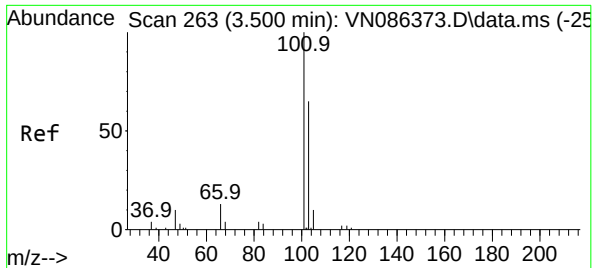
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#6
Chloroethane
Concen: 17.786 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

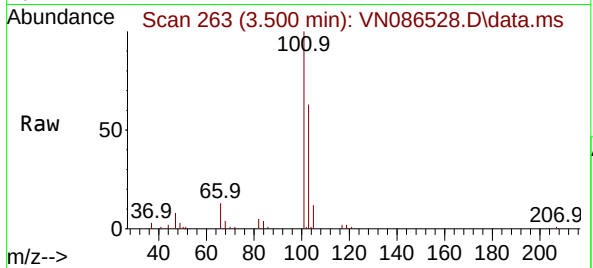
Tgt Ion: 64 Resp: 41609
Ion Ratio Lower Upper
64 100
66 31.4 24.5 36.7





#7
Trichlorofluoromethane
Concen: 21.427 ug/l
RT: 3.500 min Scan# 263
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

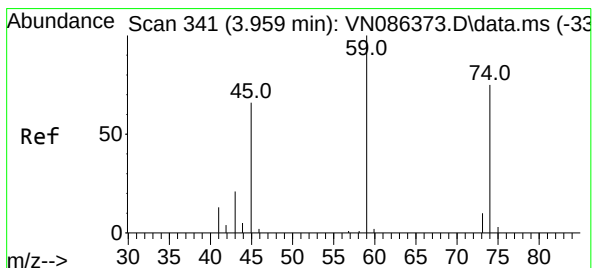
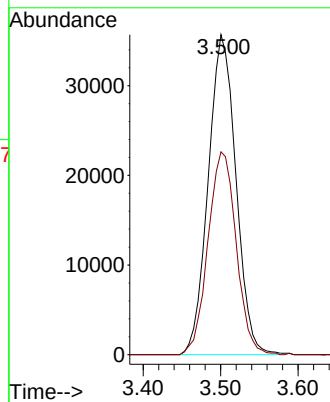
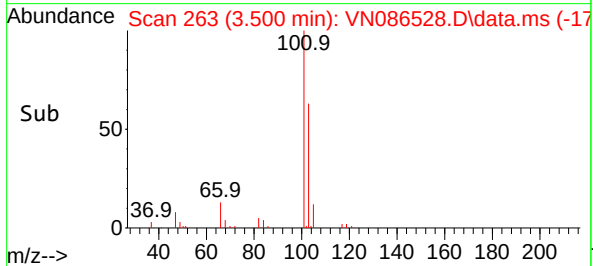
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 101 Resp: 8875
Ion Ratio Lower Upper
101 100
103 63.4 51.8 77.6

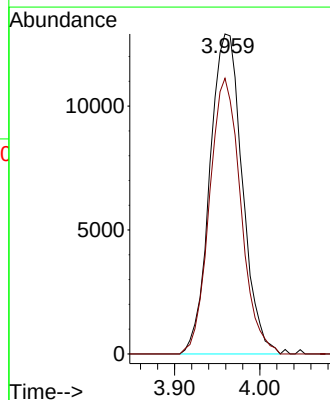
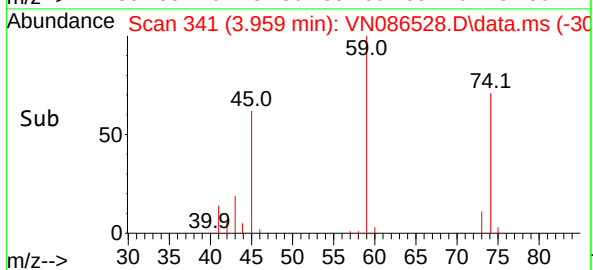
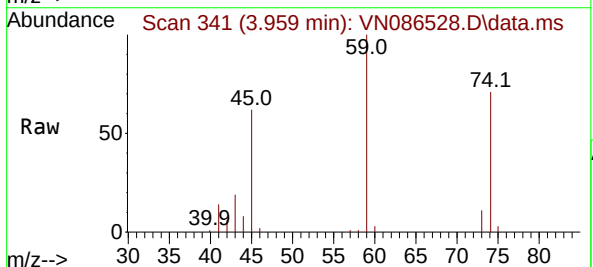
Manual Integrations
APPROVED

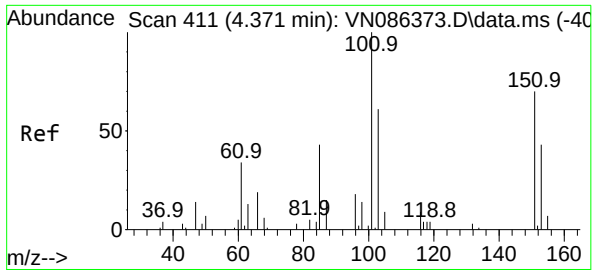
Reviewed By : John Carlone 05/08/2025
Supervised By : Mahesh Dadoda 05/08/2025



#8
Diethyl Ether
Concen: 19.542 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Tgt Ion: 74 Resp: 34168
Ion Ratio Lower Upper
74 100
45 83.1 18.5 166.3





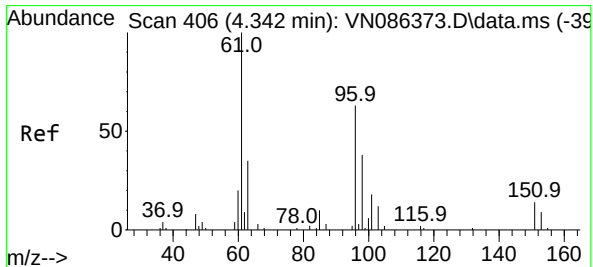
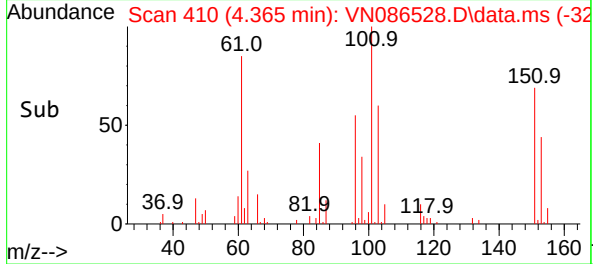
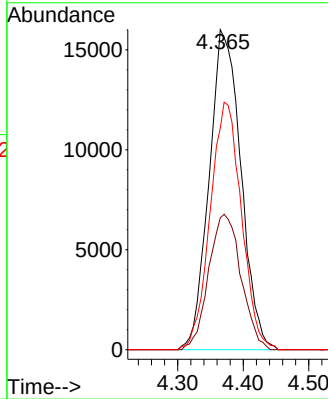
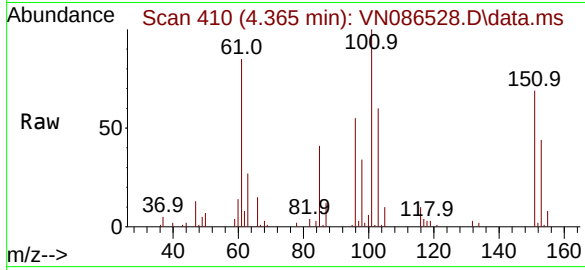
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.121 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 53784
Ion Ratio Lower Upper
101 100
85 43.1 0.0 84.4
151 76.1 0.0 145.8

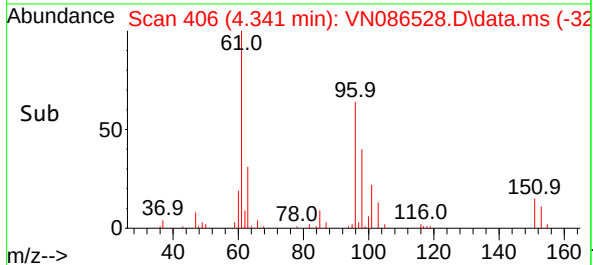
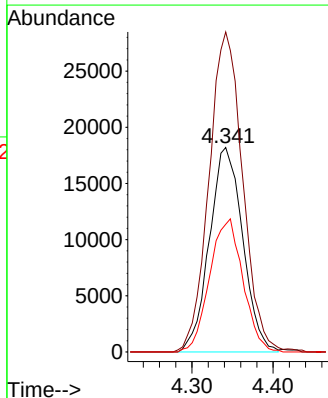
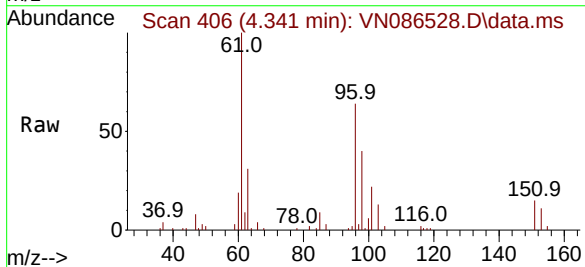
Manual Integrations
APPROVED

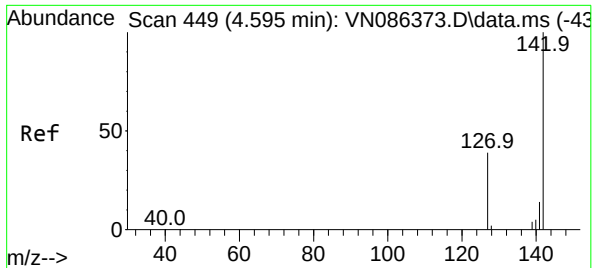
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#10
1,1-Dichloroethene
Concen: 19.918 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

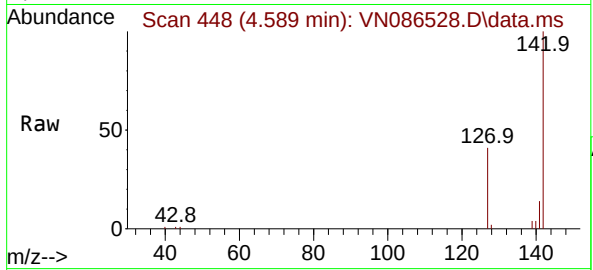
Tgt Ion: 96 Resp: 51914
Ion Ratio Lower Upper
96 100
61 155.4 126.2 189.4
98 62.4 48.5 72.7





#11
Methyl Iodide
Concen: 21.196 ug/l
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

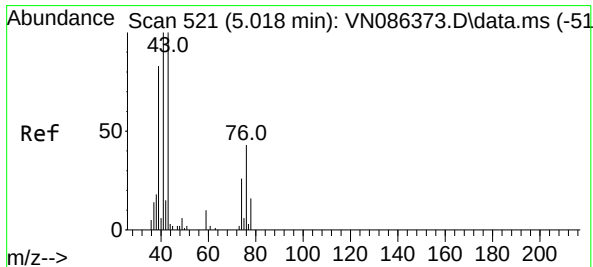
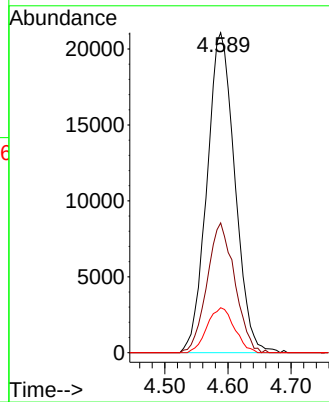
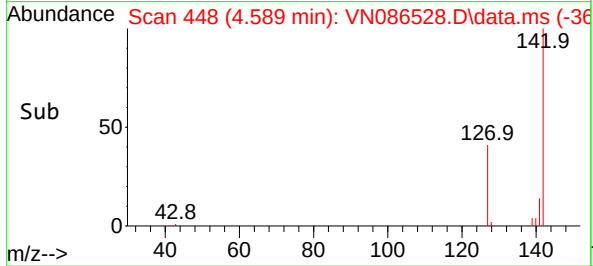
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 64640
Ion Ratio Lower Upper
142 100
127 40.6 19.3 57.9
141 14.0 7.1 21.3

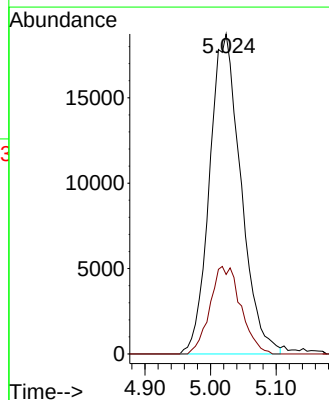
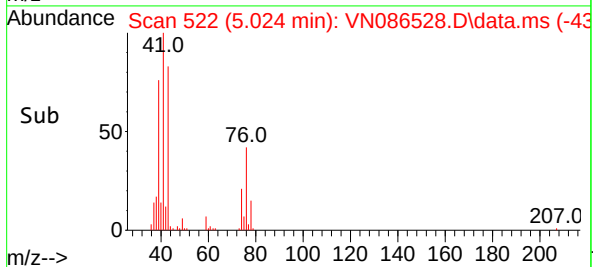
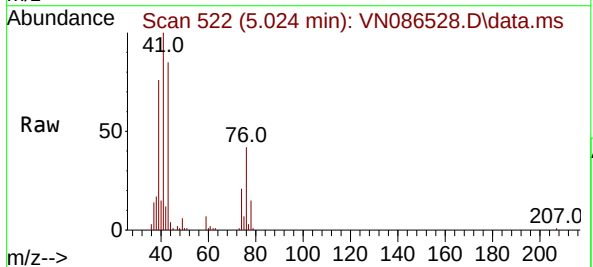
Manual Integrations
APPROVED

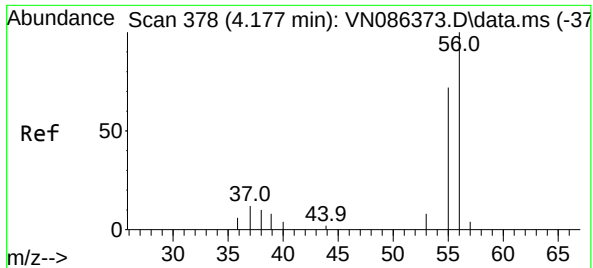
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#12
Methyl Acetate
Concen: 16.807 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Tgt Ion: 43 Resp: 62090
Ion Ratio Lower Upper
43 100
74 25.1 20.8 31.2





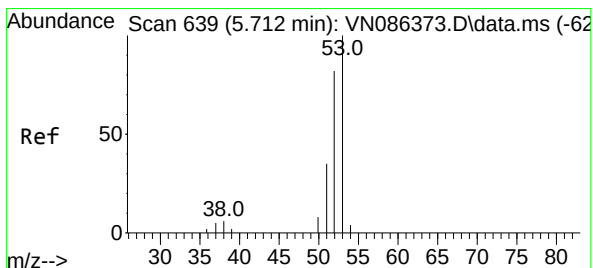
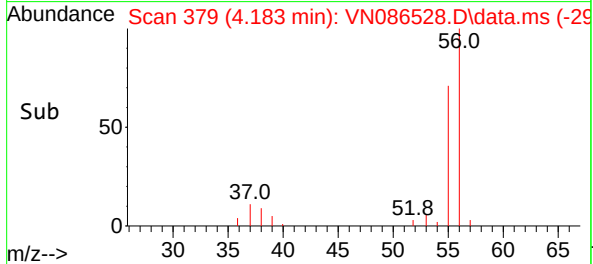
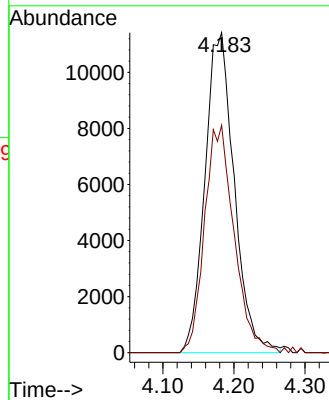
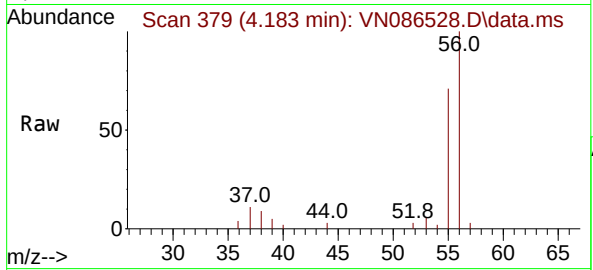
#13
Acrolein
Concen: 213.281 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 32715
Ion Ratio Lower Upper
56 100
55 71.7 56.1 84.1

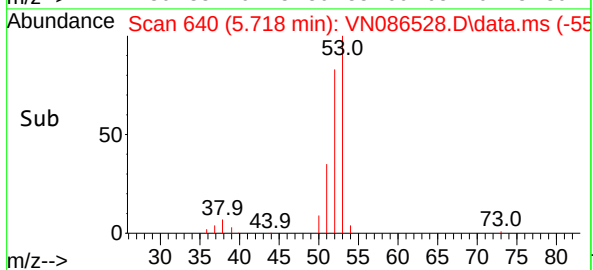
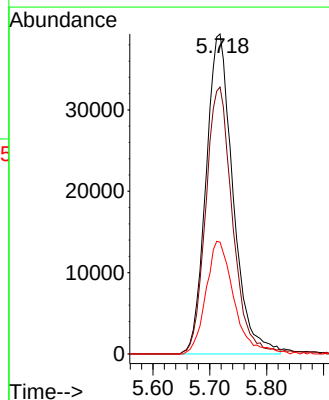
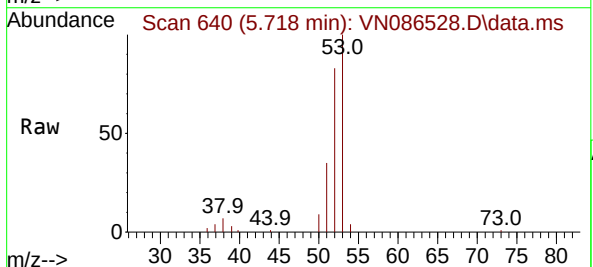
Manual Integrations
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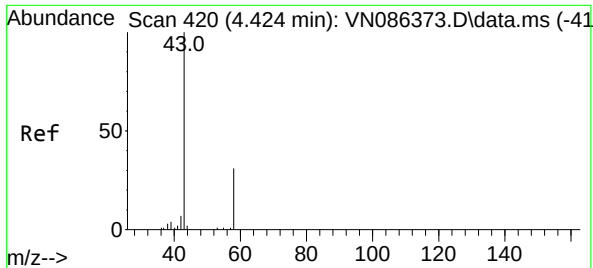
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#14
Acrylonitrile
Concen: 94.393 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Tgt Ion: 53 Resp: 129782
Ion Ratio Lower Upper
53 100
52 82.0 41.2 123.6
51 36.6 17.6 52.8





#15

Acetone

Concen: 86.833 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

Tgt Ion: 58 Resp: 3289

Ion Ratio Lower Upper

58 100

43 307.0 255.1 382.7

Instrument :

MSVOA_N

ClientSampleId :

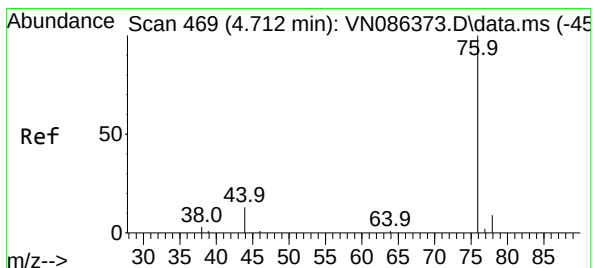
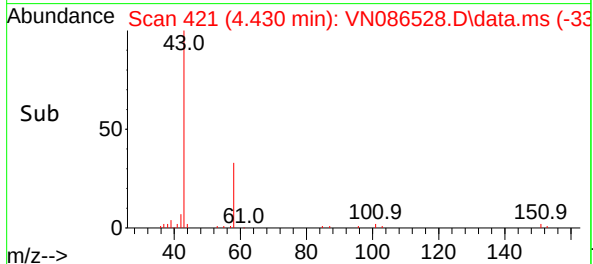
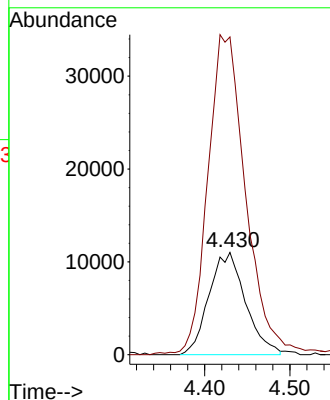
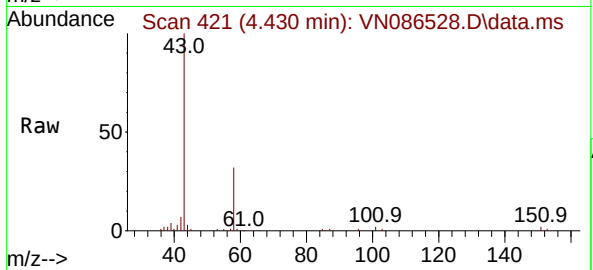
VSTDCCC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#16

Carbon Disulfide

Concen: 19.516 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN086528.D

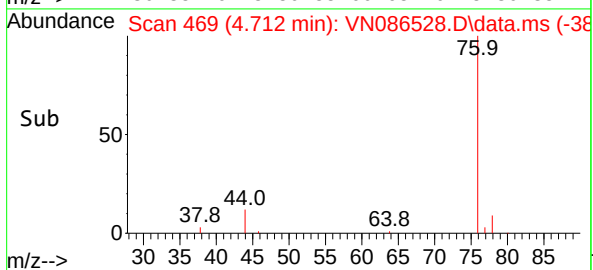
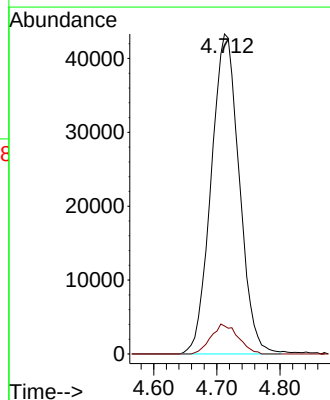
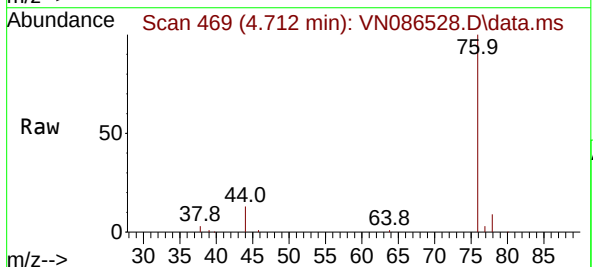
Acq: 07 May 2025 11:01

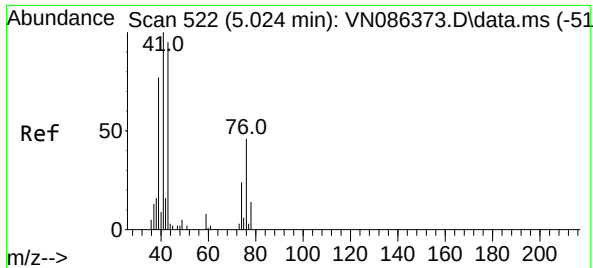
Tgt Ion: 76 Resp: 134034

Ion Ratio Lower Upper

76 100

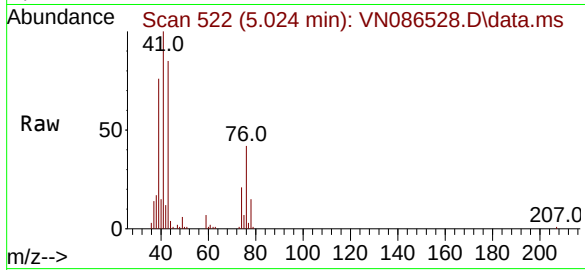
78 8.7 7.1 10.7





#17
Allyl chloride
Concen: 17.967 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

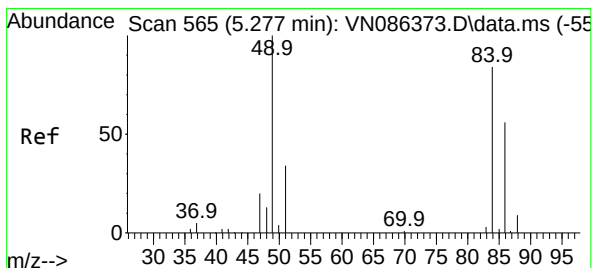
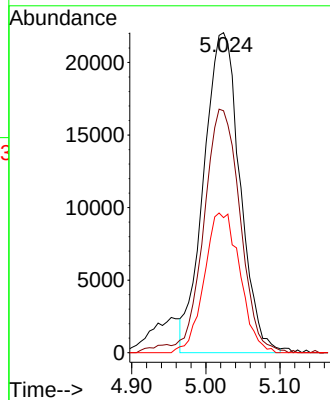
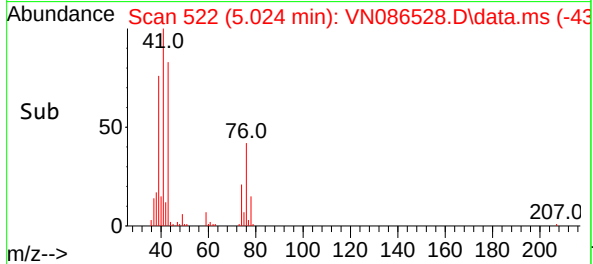
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 41 Resp: 74879
Ion Ratio Lower Upper
41 100
39 75.8 36.7 110.1
76 42.7 21.8 65.4

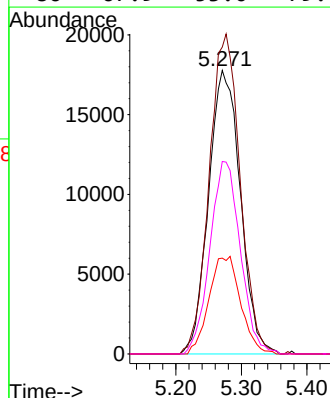
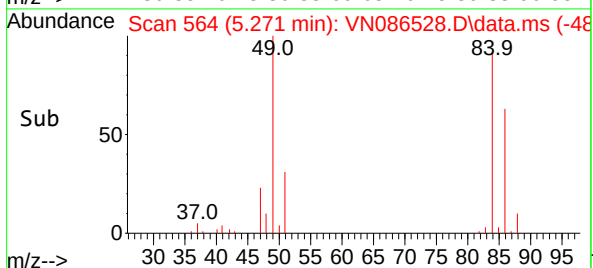
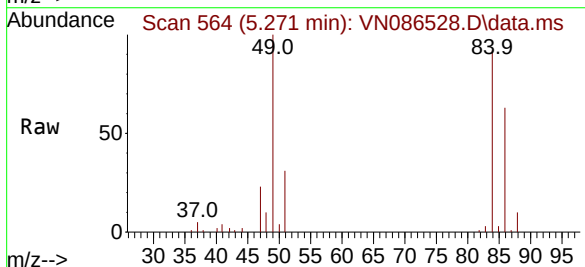
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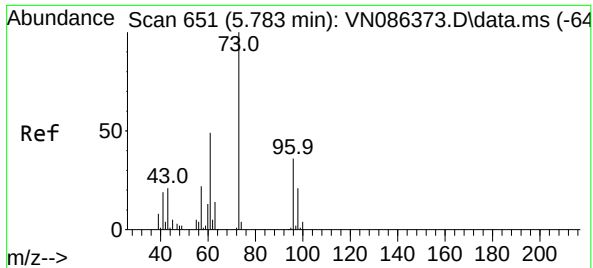
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#18
Methylene Chloride
Concen: 20.176 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Tgt Ion: 84 Resp: 59885
Ion Ratio Lower Upper
84 100
49 108.2 95.4 143.0
51 33.8 32.8 49.2
86 67.9 53.0 79.4





#19

trans-1,2-Dichloroethene

Concen: 19.985 ug/l

RT: 5.783 min Scan# 651

Delta R.T. -0.000 min

Lab File: VN086528.D

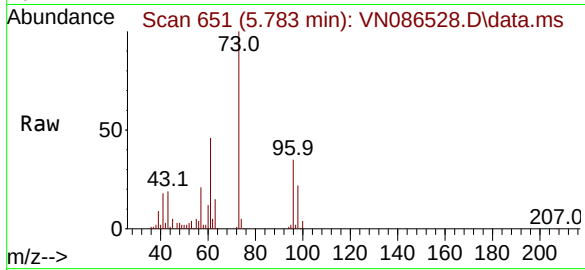
Acq: 07 May 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



Tgt Ion: 96 Resp: 55519

Ion Ratio Lower Upper

96 100

61 133.5 107.3 160.9

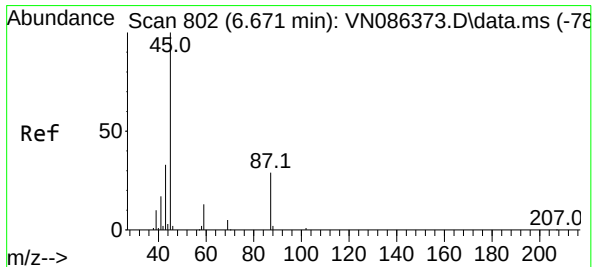
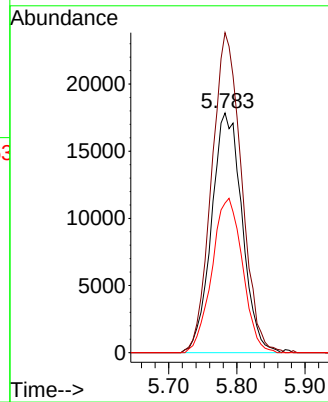
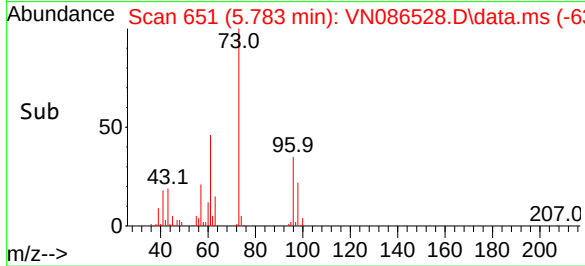
98 62.4 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#20

Diisopropyl ether

Concen: 17.936 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.006 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

Tgt Ion: 45 Resp: 177728

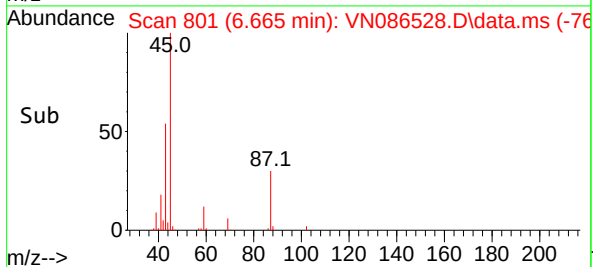
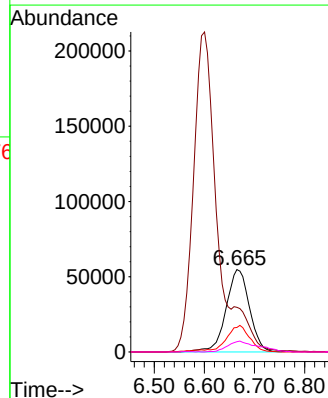
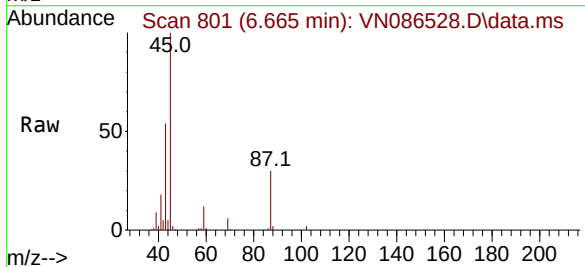
Ion Ratio Lower Upper

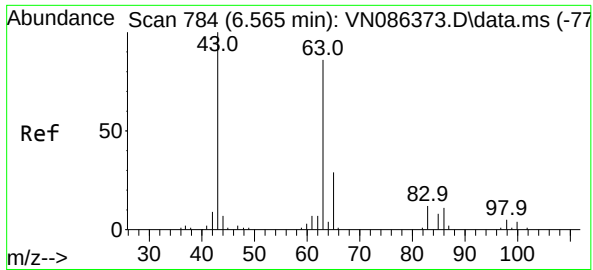
45 100

43 52.5 38.8 58.2

87 29.6 23.5 35.3

59 12.1 10.0 15.0





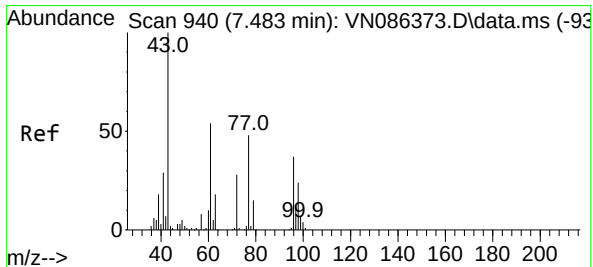
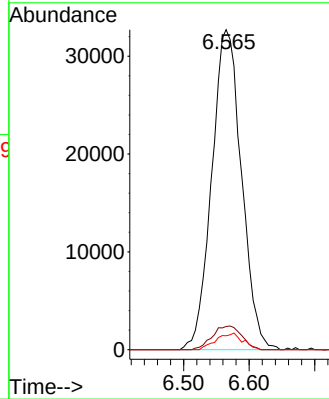
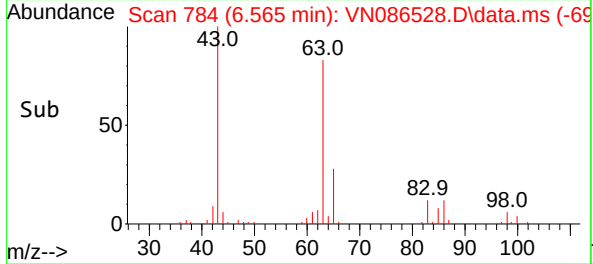
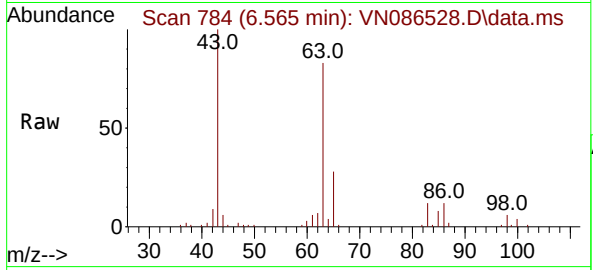
#21
1,1-Dichloroethane
Concen: 18.982 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 102960
Ion Ratio Lower Upper
63 100
98 7.3 3.0 9.2
100 4.4 2.3 6.8

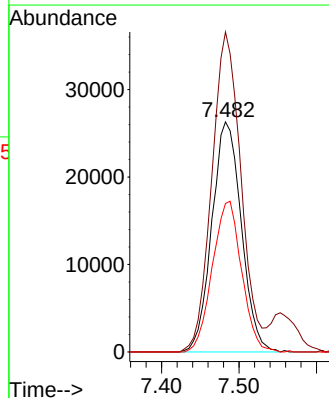
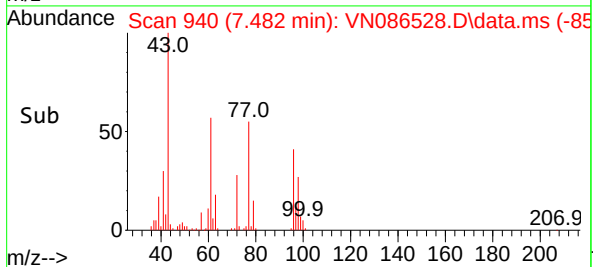
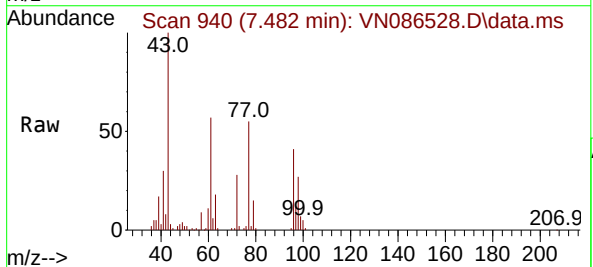
Manual Integrations
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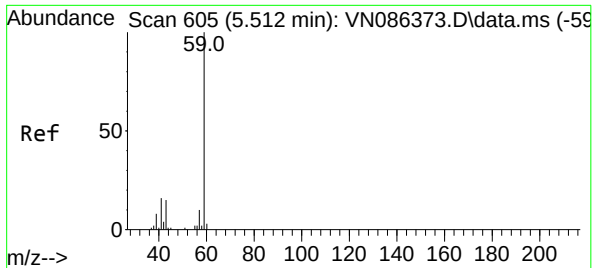
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#22
cis-1,2-Dichloroethene
Concen: 20.029 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

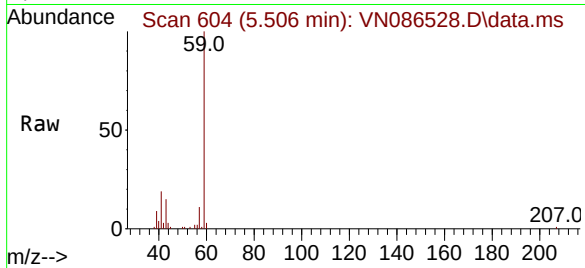
Tgt Ion: 96 Resp: 69575
Ion Ratio Lower Upper
96 100
61 136.7 120.6 181.0
98 64.9 51.8 77.6





#23
tert-Butyl Alcohol
Concen: 100.991 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

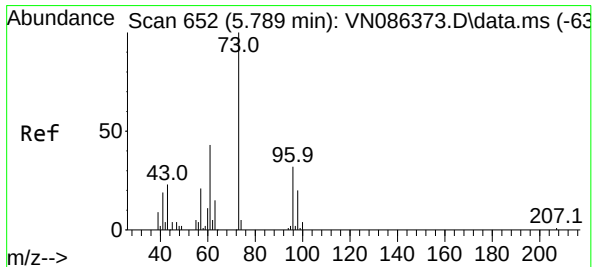
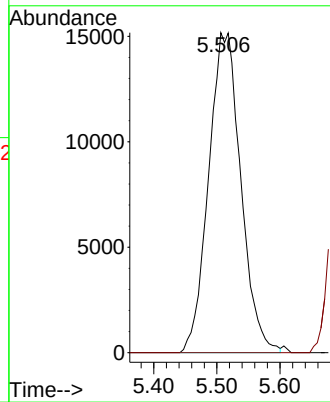
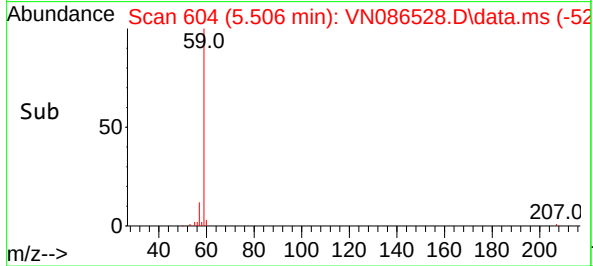
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 59 Resp: 53790
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

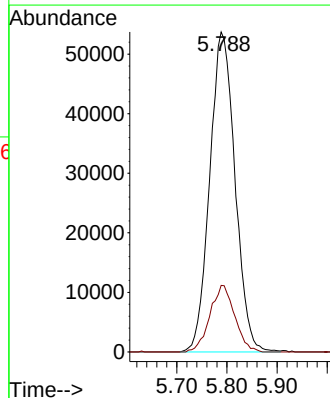
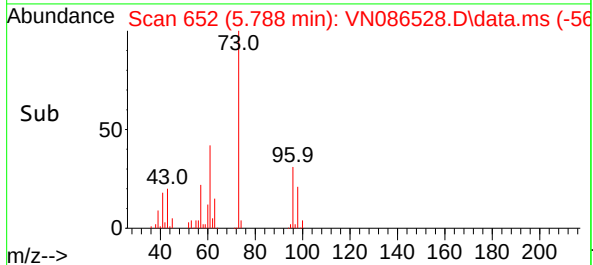
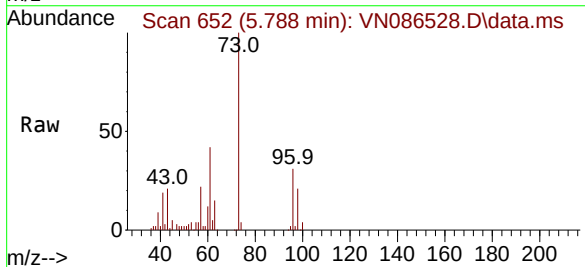
Manual Integrations
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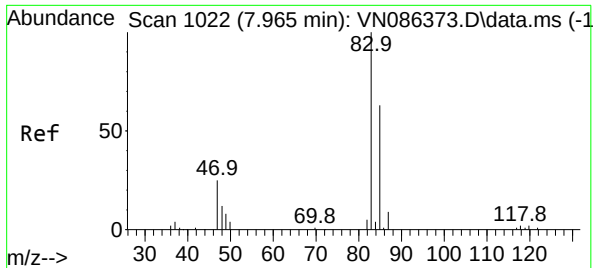
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#24
Methyl tert-Butyl Ether
Concen: 19.555 ug/l
RT: 5.788 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Tgt Ion: 73 Resp: 188309
Ion Ratio Lower Upper
73 100
43 20.4 17.1 25.7





#25

Chloroform

Concen: 19.669 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 107970

Ion Ratio Lower Upper

83 100

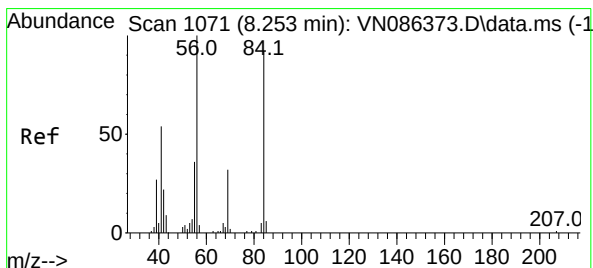
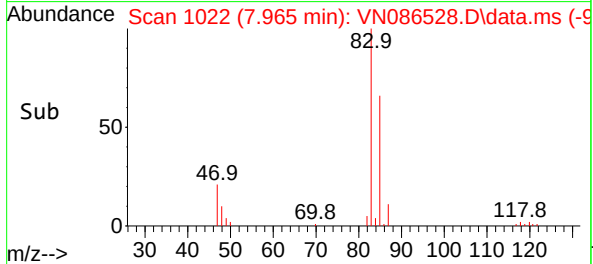
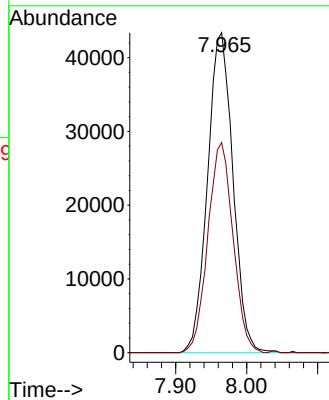
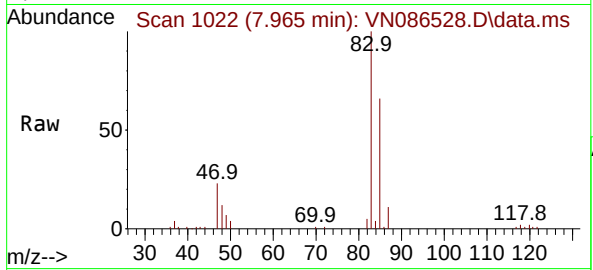
85 65.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#26

Cyclohexane

Concen: 18.145 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

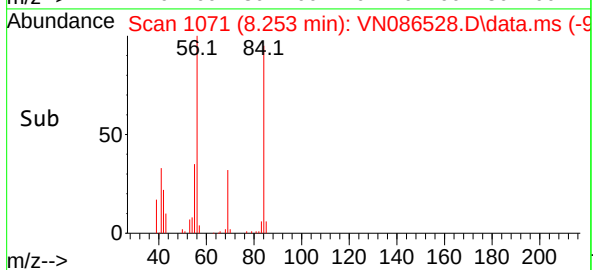
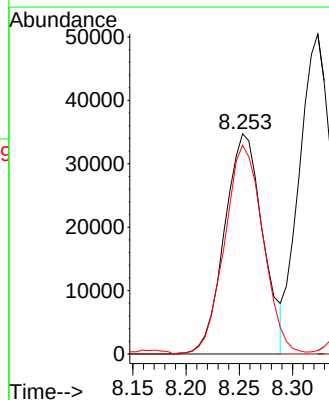
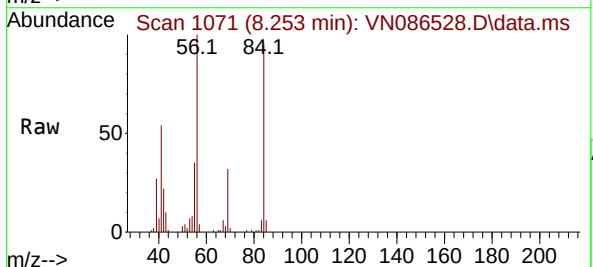
Tgt Ion: 56 Resp: 86900

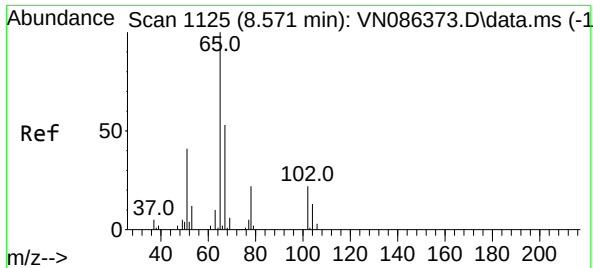
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 95.1 71.5 107.3





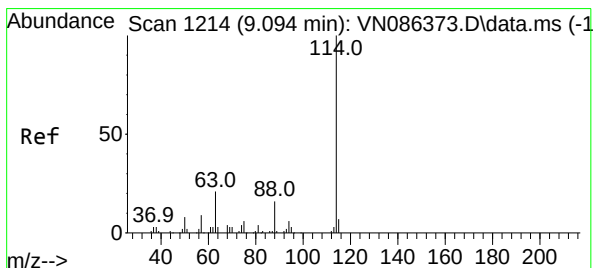
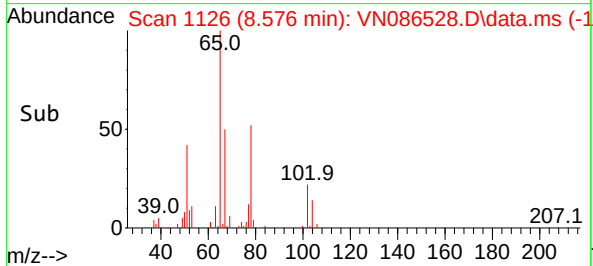
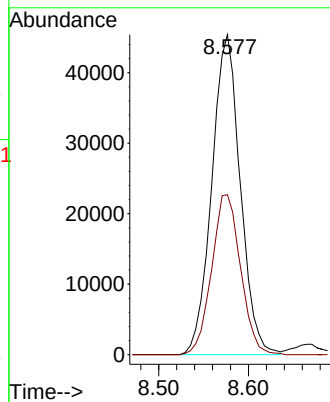
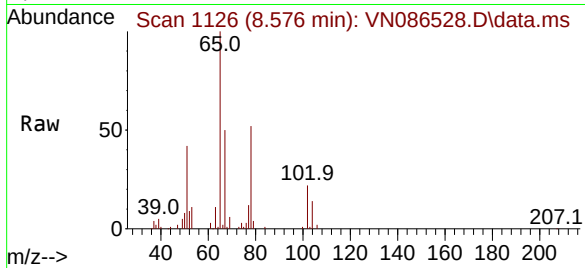
#27
1,2-Dichloroethane-d4
Concen: 27.738 ug/l
RT: 8.576 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 65 Resp: 99910
Ion Ratio Lower Upper
65 100
67 50.7 42.5 63.7

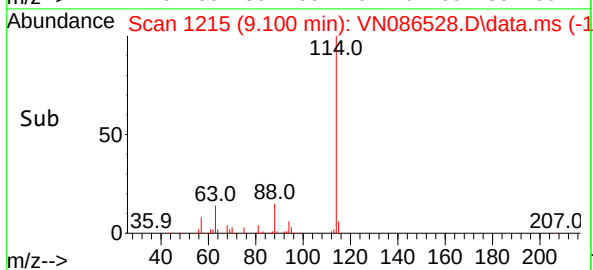
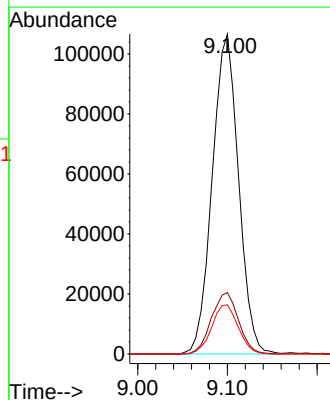
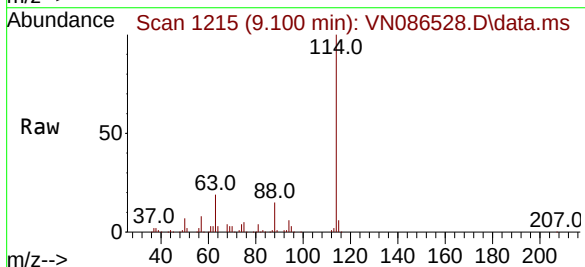
Manual Integrations
APPROVED

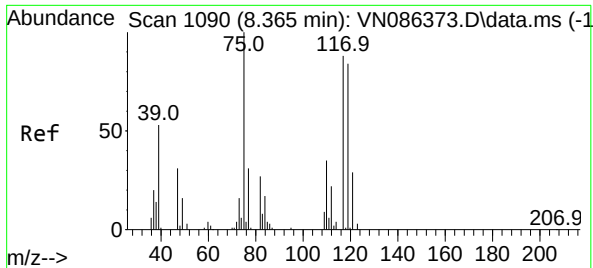
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Tgt Ion:114 Resp: 216995
Ion Ratio Lower Upper
114 100
63 19.7 16.7 25.1
88 15.5 12.6 19.0





#29

1,1-Dichloropropene

Concen: 20.126 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 7699

Ion Ratio Lower Upper

75 100

110 37.0 0.0 68.0

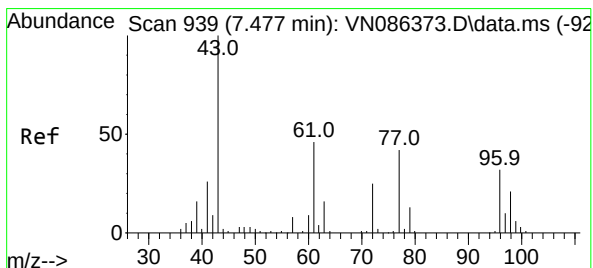
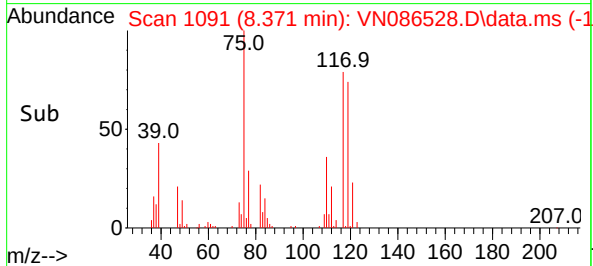
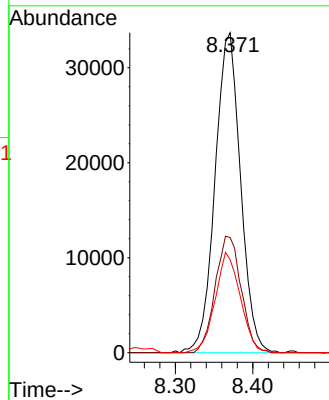
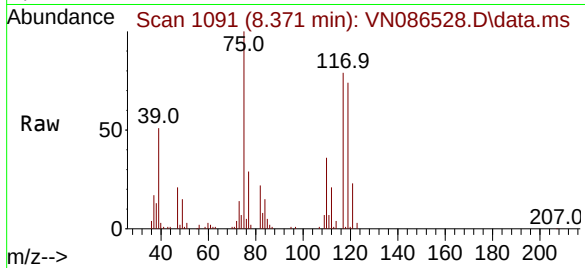
77 31.0 0.0 61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#30

2-Butanone

Concen: 92.932 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.000 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

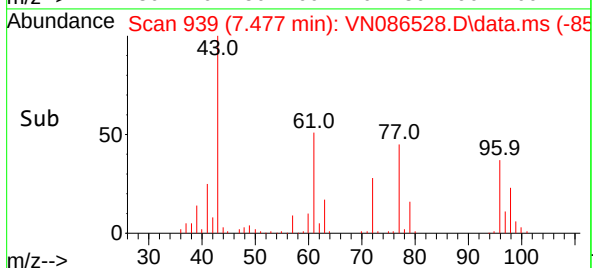
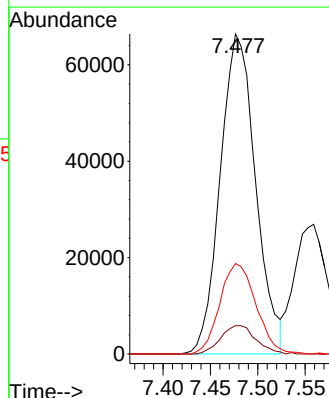
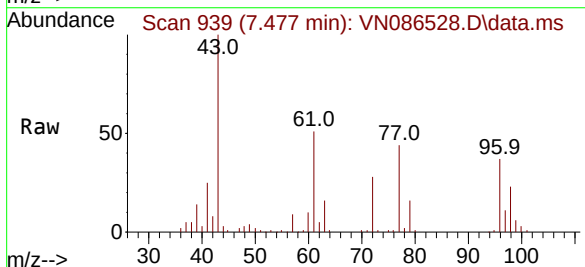
Tgt Ion: 43 Resp: 172553

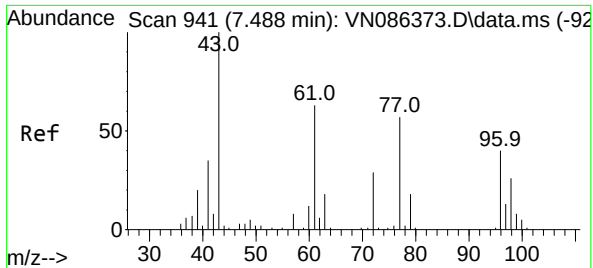
Ion Ratio Lower Upper

43 100

57 8.7 6.6 10.0

72 28.9 22.2 33.4





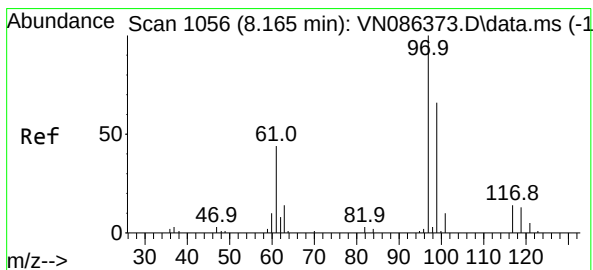
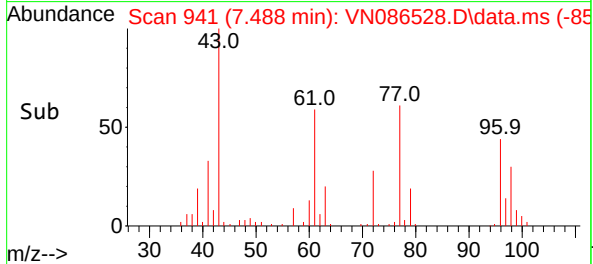
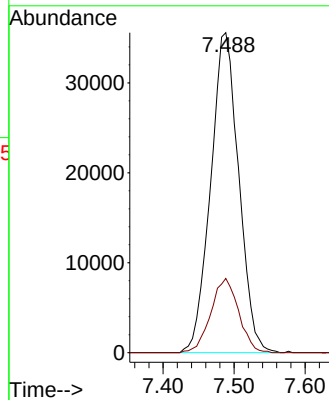
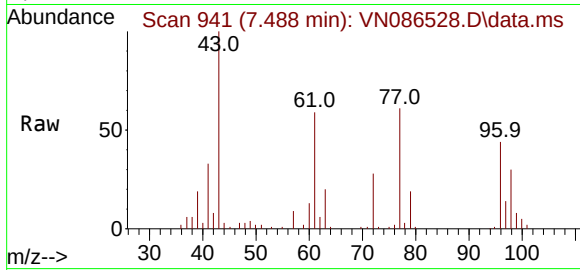
#31
2,2-Dichloropropane
Concen: 19.893 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 9782
Ion Ratio Lower Upper
77 100
97 22.9 18.2 27.2

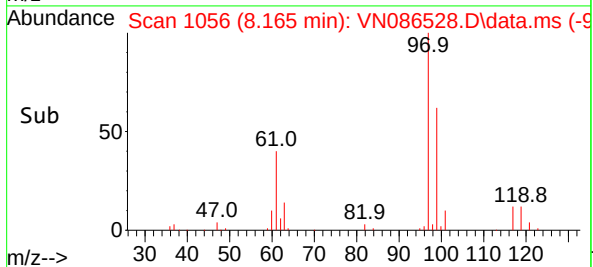
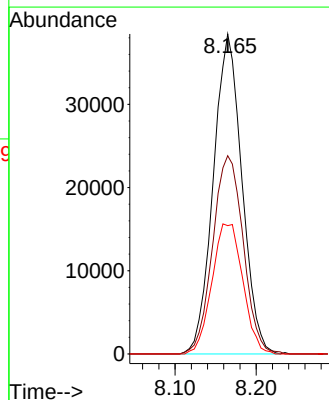
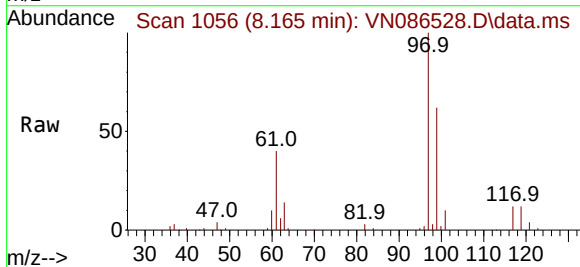
Manual Integrations
APPROVED

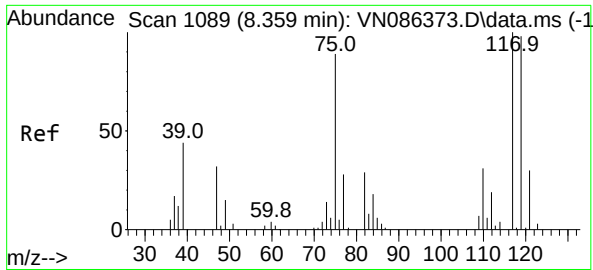
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#32
1,1,1-Trichloroethane
Concen: 20.604 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

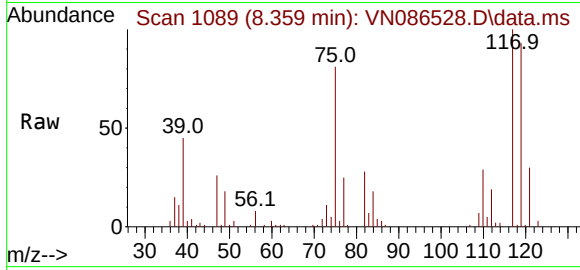
Tgt Ion: 97 Resp: 94185
Ion Ratio Lower Upper
97 100
99 66.2 52.6 79.0
61 43.9 36.4 54.6





#33
Carbon Tetrachloride
Concen: 21.769 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

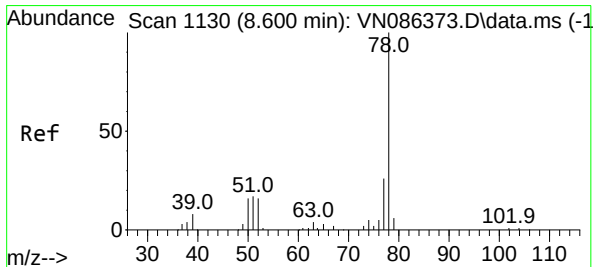
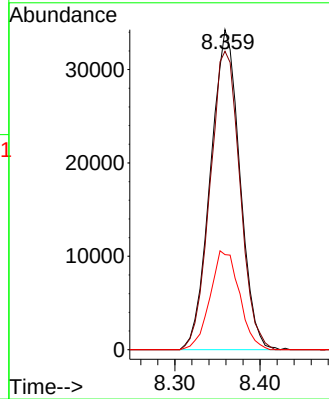
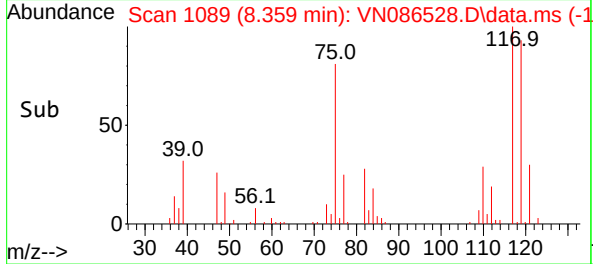
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



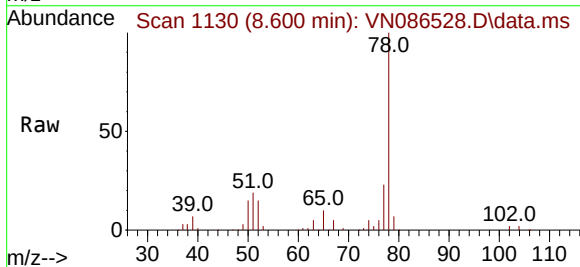
Tgt Ion: 117 Resp: 8192
Ion Ratio Lower Upper
117 100
119 93.3 78.6 117.8
121 29.7 24.0 36.0

Manual Integrations
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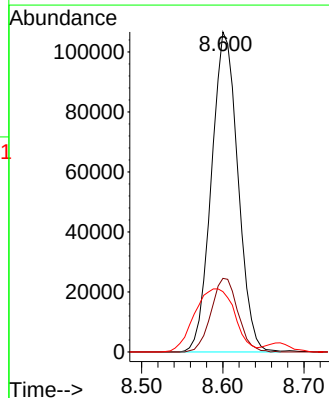
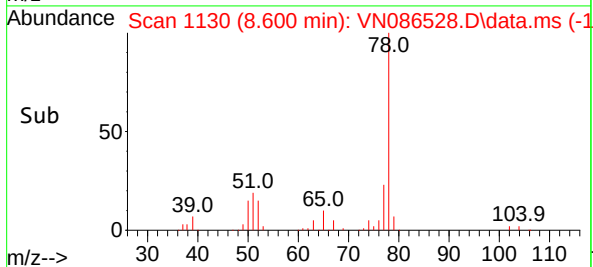
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

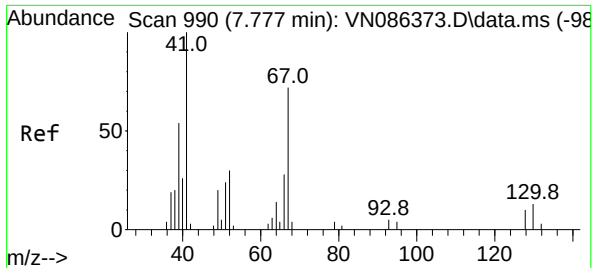


#34
Benzene
Concen: 19.873 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01



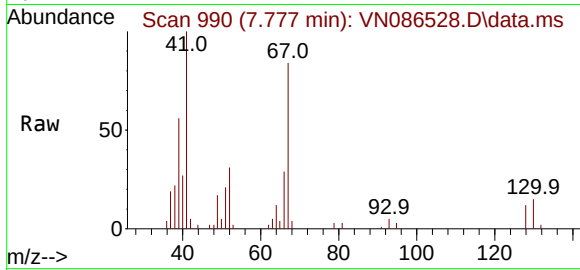
Tgt Ion: 78 Resp: 241797
Ion Ratio Lower Upper
78 100
77 23.0 20.8 31.2
51 16.2 14.0 21.0





#35
Methacrylonitrile
Concen: 18.293 ug/l
RT: 7.777 min Scan# 990
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

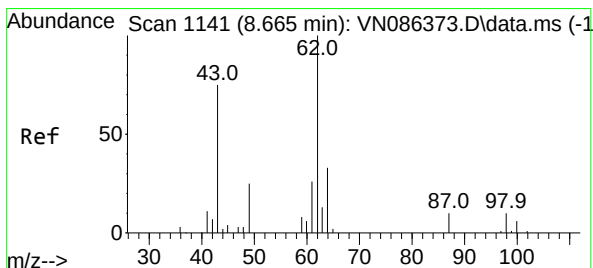
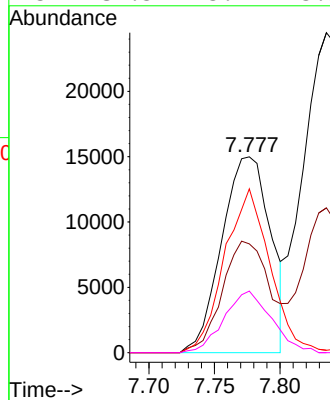
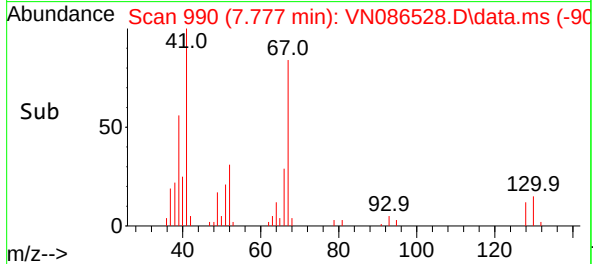
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 41 Resp: 38740
Ion Ratio Lower Upper
41 100
39 55.6 27.0 80.8
67 83.7 35.8 107.3
52 31.5 15.2 45.5

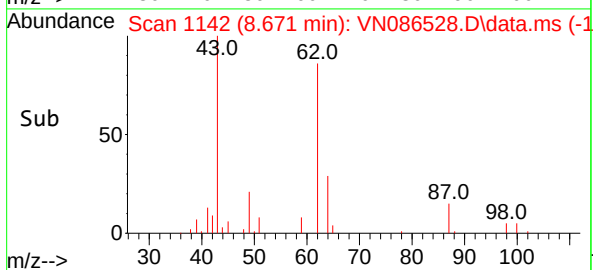
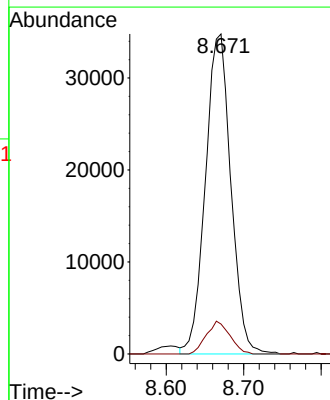
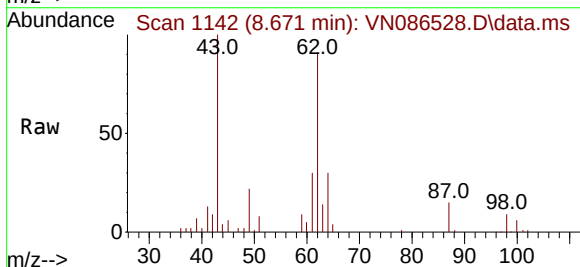
Manual Integrations
APPROVED

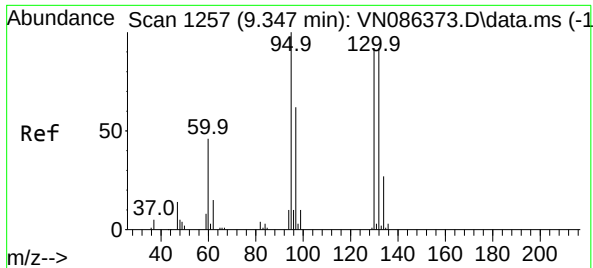
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#36
1,2-Dichloroethane
Concen: 20.097 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Tgt Ion: 62 Resp: 79391
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4





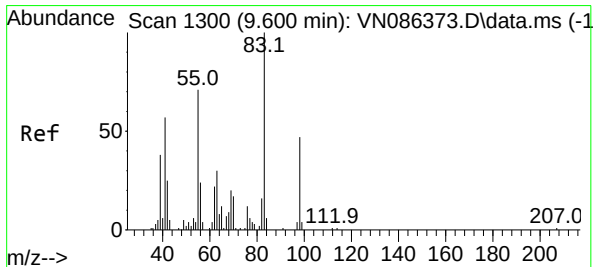
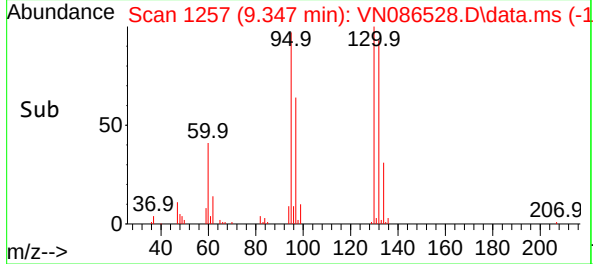
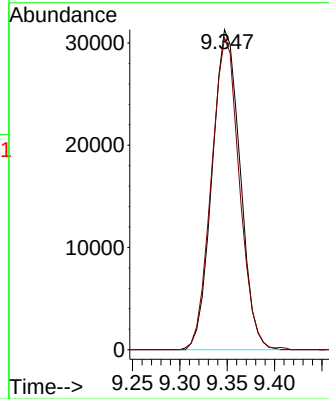
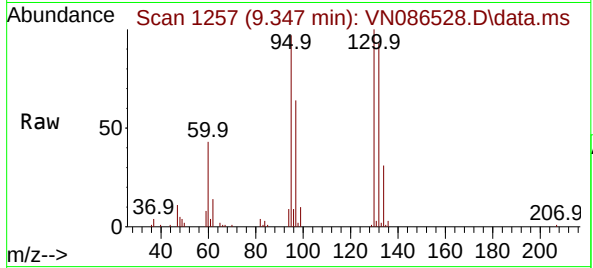
#37
Trichloroethene
Concen: 21.077 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:130 Resp: 6420
Ion Ratio Lower Upper
130 100
95 97.4 86.6 130.0

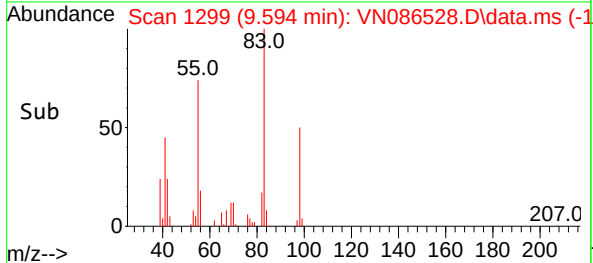
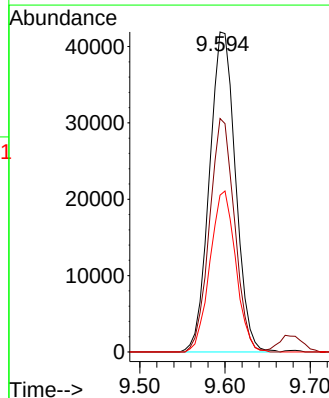
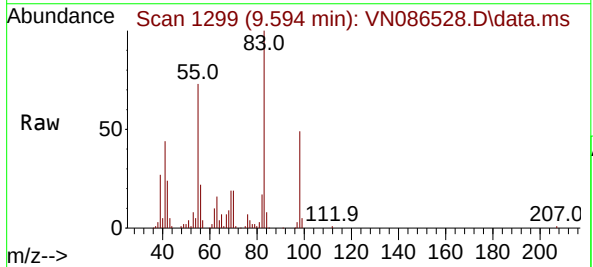
Manual Integrations
APPROVED

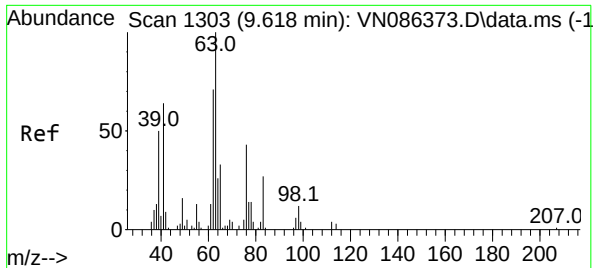
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#38
Methylcyclohexane
Concen: 20.184 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Tgt Ion: 83 Resp: 89174
Ion Ratio Lower Upper
83 100
55 70.2 37.3 111.9
98 49.6 23.8 71.5





#39

1,2-Dichloropropane

Concen: 19.015 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 57150

Ion Ratio Lower Upper

63 100

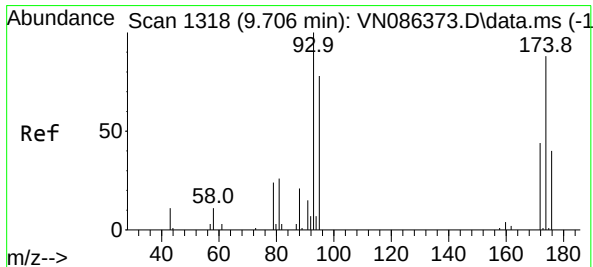
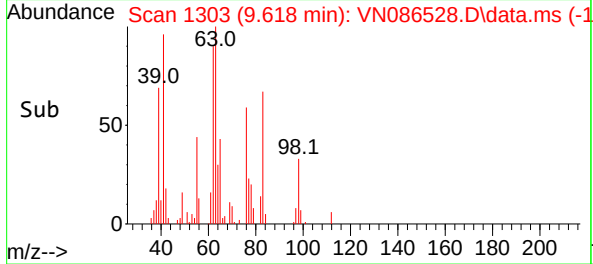
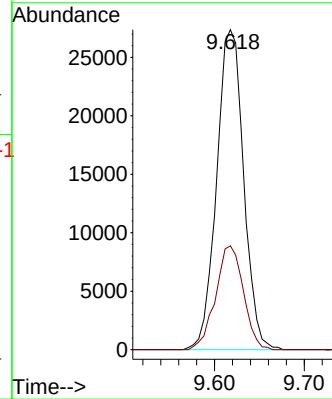
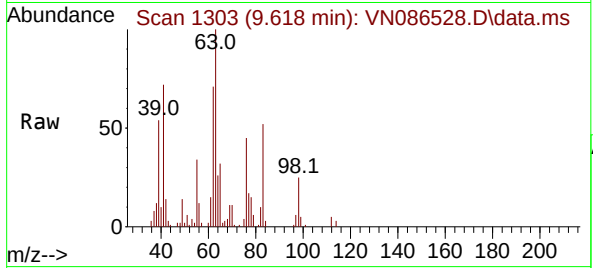
65 32.5 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#40

Dibromomethane

Concen: 20.552 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

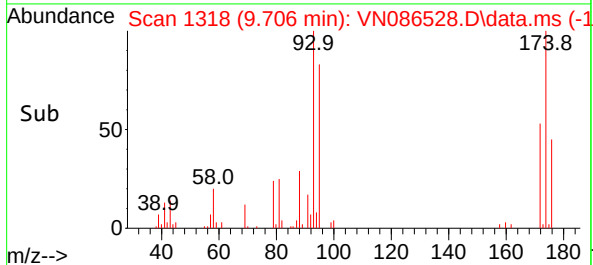
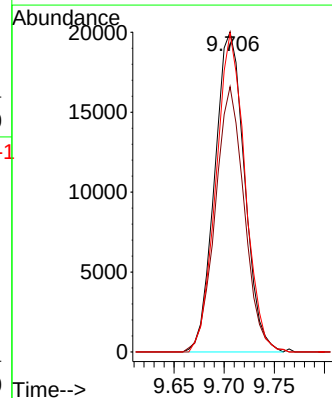
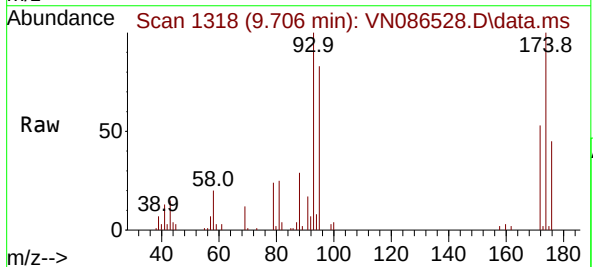
Tgt Ion: 93 Resp: 41312

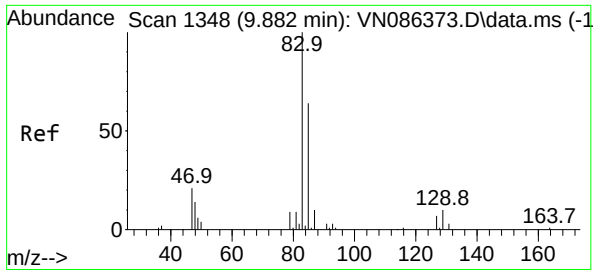
Ion Ratio Lower Upper

93 100

95 80.7 0.0 159.2

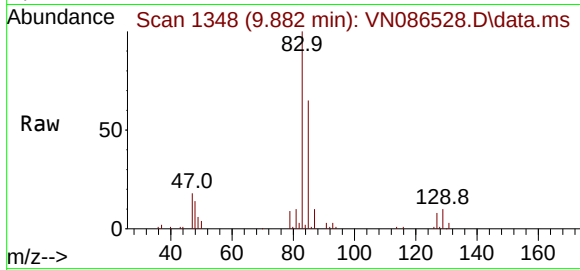
174 96.8 0.0 171.4





#41
Bromodichloromethane
Concen: 20.085 ug/l
RT: 9.882 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

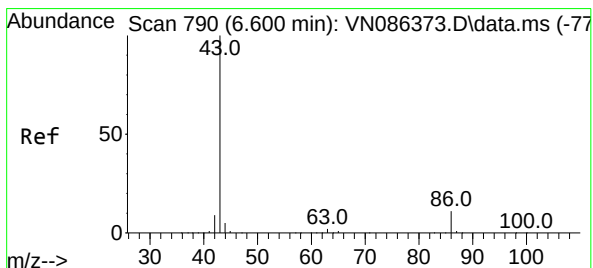
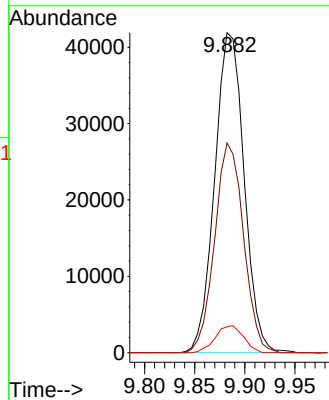
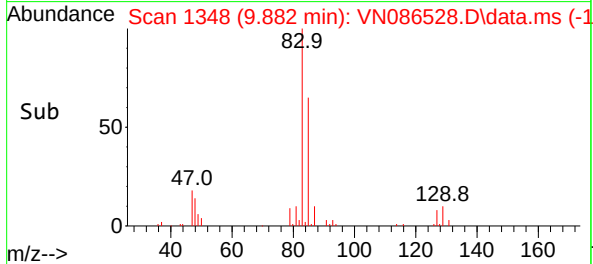
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 8544
Ion Ratio Lower Upper
83 100
85 65.5 51.1 76.7
127 8.1 5.9 8.9

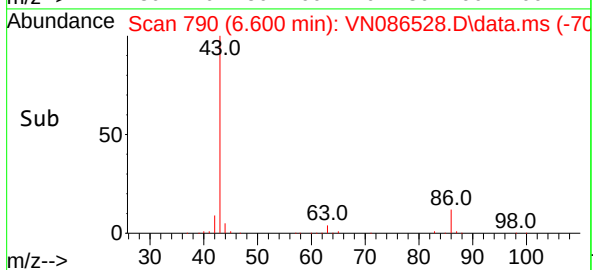
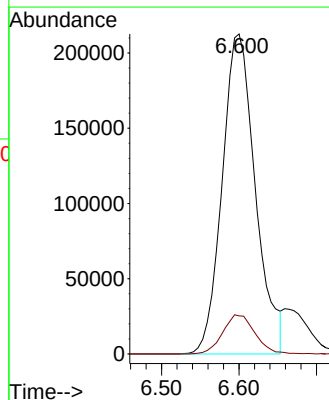
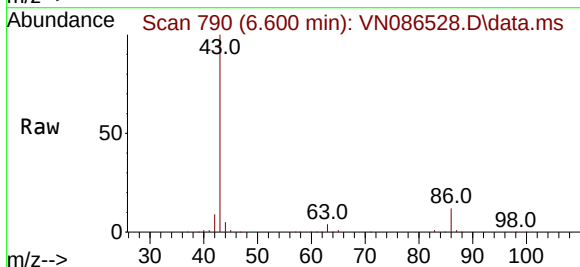
Manual Integrations
APPROVED

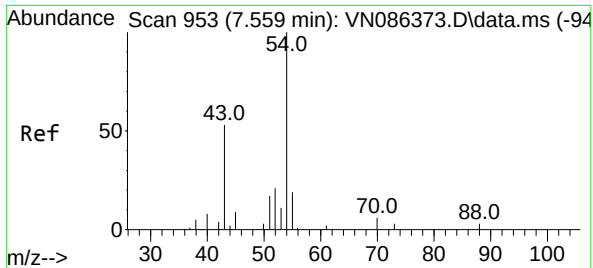
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#42
Vinyl Acetate
Concen: 98.527 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Tgt Ion: 43 Resp: 633724
Ion Ratio Lower Upper
43 100
86 11.8 8.9 13.3





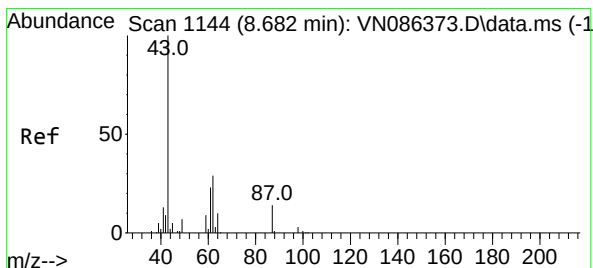
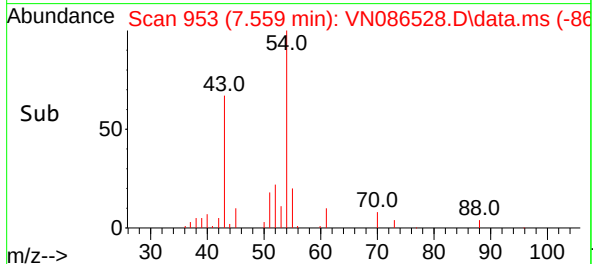
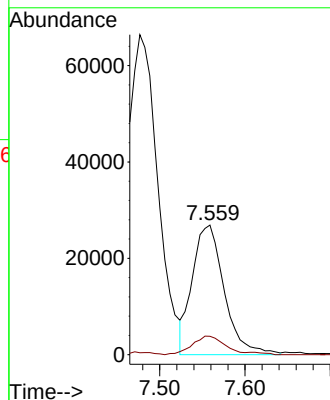
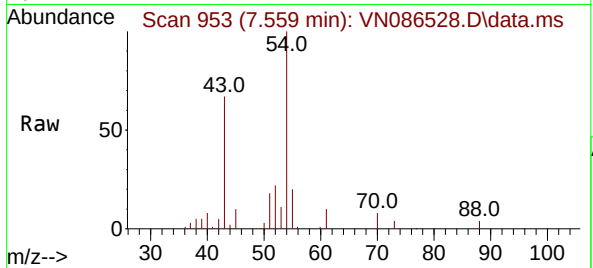
#43
Ethyl Acetate
Concen: 19.036 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 69949
Ion Ratio Lower Upper
43 100
45 14.4 11.4 17.2

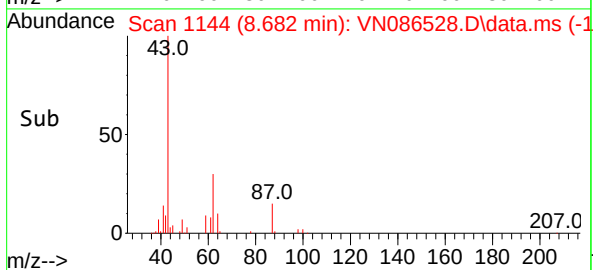
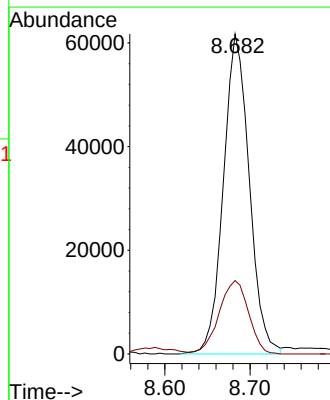
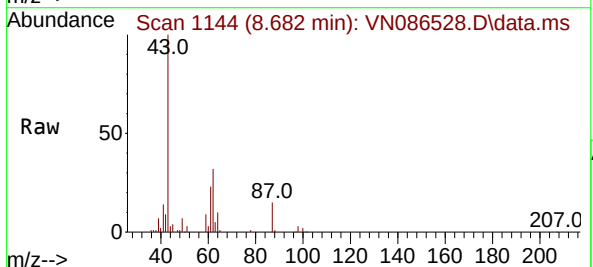
Manual Integrations
APPROVED

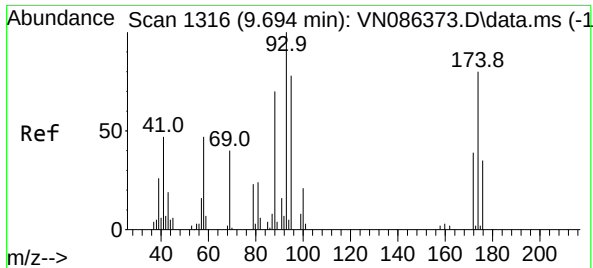
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#44
Isopropyl Acetate
Concen: 18.650 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Tgt Ion: 43 Resp: 130062
Ion Ratio Lower Upper
43 100
61 26.2 21.0 31.4





#45

1,4-Dioxane

Concen: 437.588 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

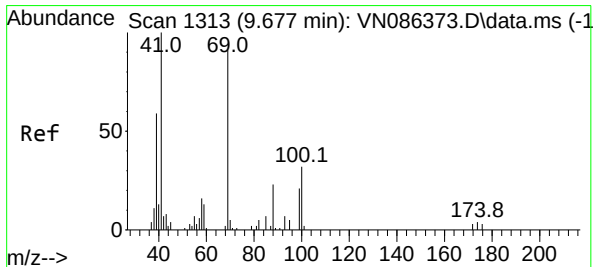
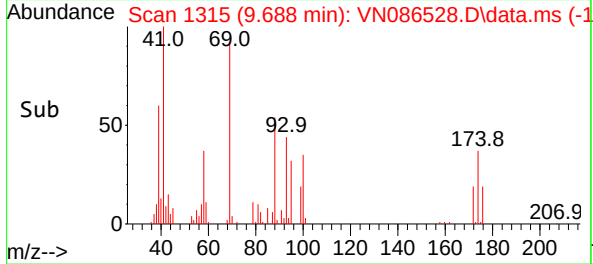
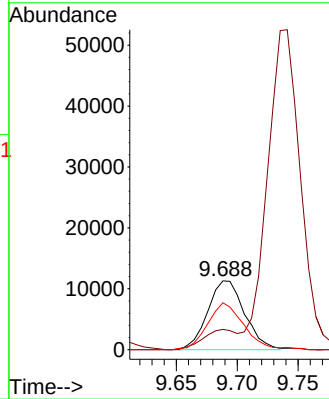
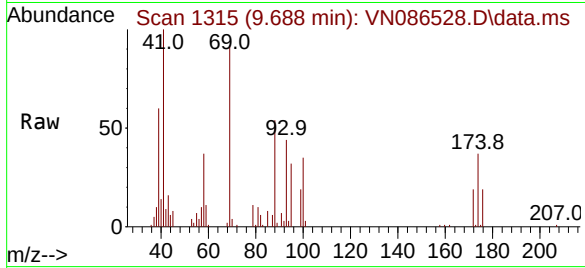
Tgt Ion:	88	Resp:	23810
Ion	Ratio	Lower	Upper
88	100		
43	26.5	24.9	37.3
58	66.0	57.8	86.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#46

Methyl methacrylate

Concen: 18.395 ug/l

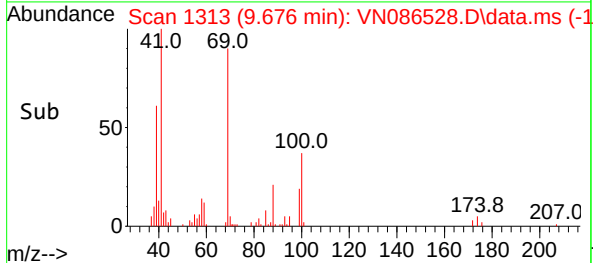
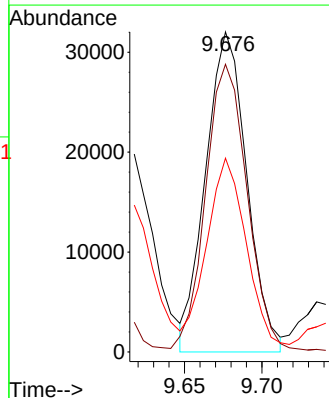
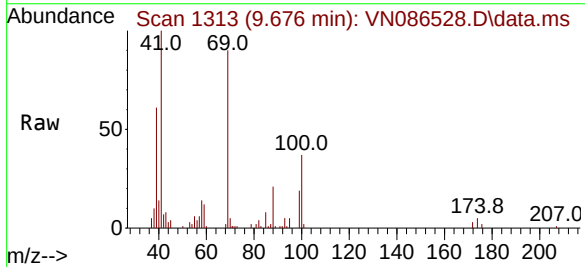
RT: 9.676 min Scan# 1313

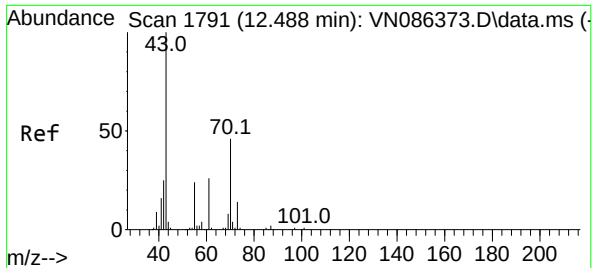
Delta R.T. -0.000 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

Tgt Ion:	41	Resp:	59173
Ion	Ratio	Lower	Upper
41	100		
69	91.4	44.1	132.3
39	60.4	30.0	90.1





#47

n-amy1 Acetate

Concen: 18.363 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 10914

Ion Ratio Lower Upper

43 100

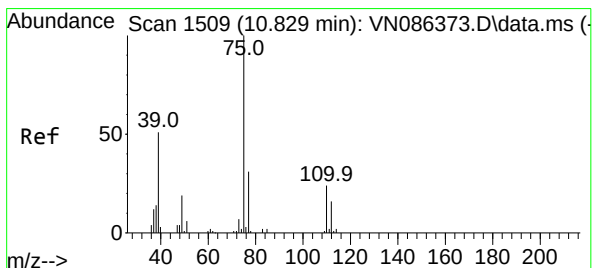
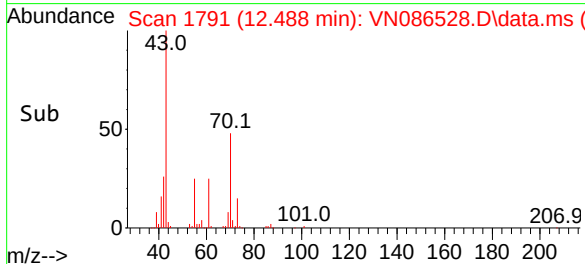
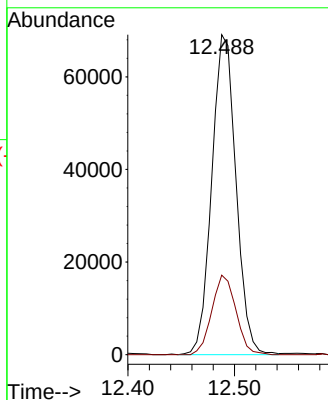
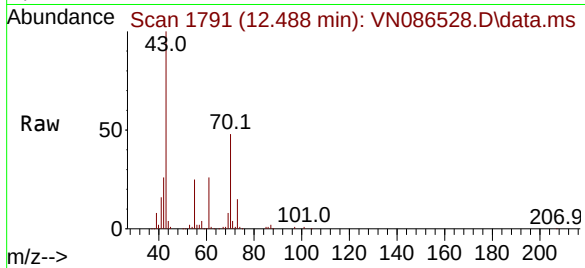
55 24.7 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#48

t-1,3-Dichloropropene

Concen: 19.166 ug/l

RT: 10.829 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VN086528.D

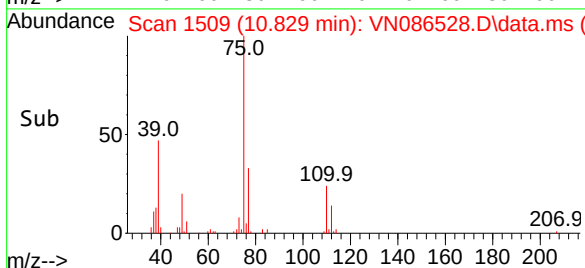
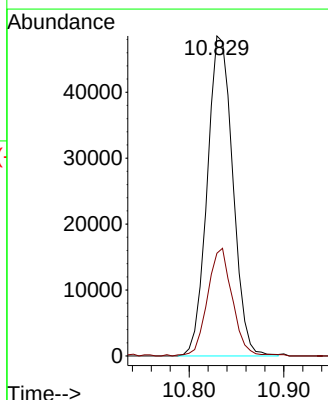
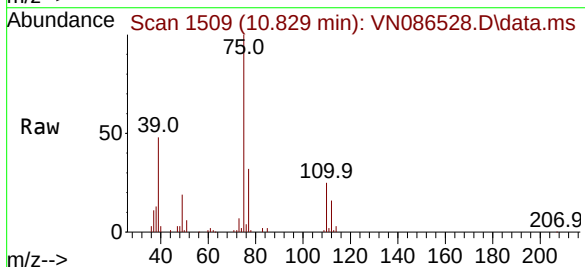
Acq: 07 May 2025 11:01

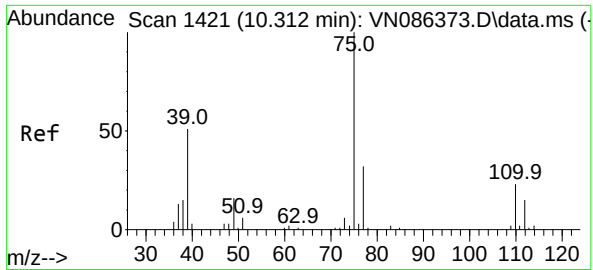
Tgt Ion: 75 Resp: 91150

Ion Ratio Lower Upper

75 100

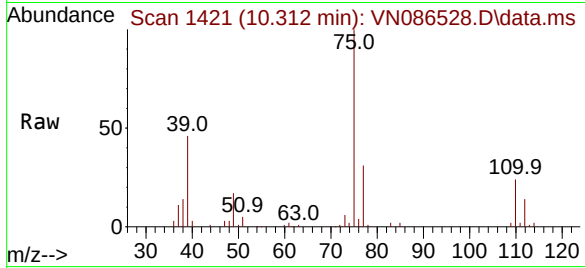
77 31.8 24.4 36.6





#49
 cis-1,3-Dichloropropene
 Concen: 19.471 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.000 min
 Lab File: VN086528.D
 Acq: 07 May 2025 11:01

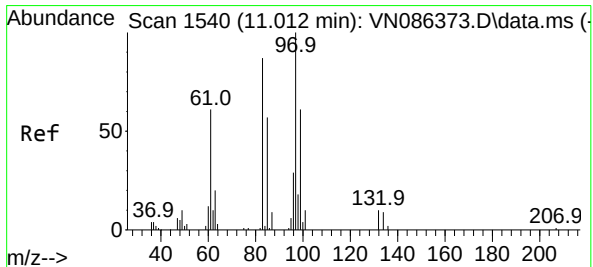
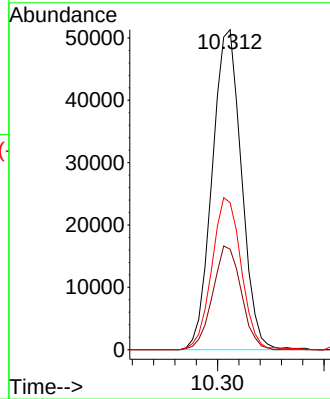
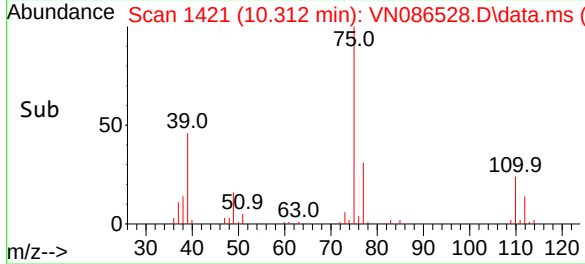
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 75 Resp: 97650
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.6 38.4
 39 45.9 40.6 60.8

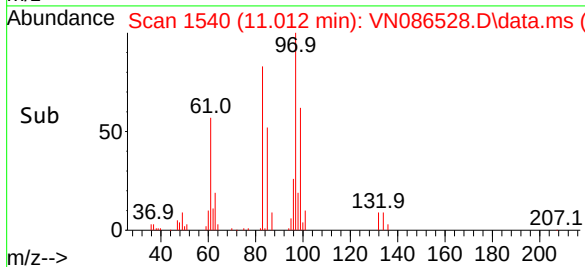
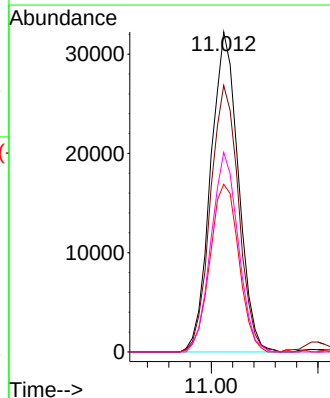
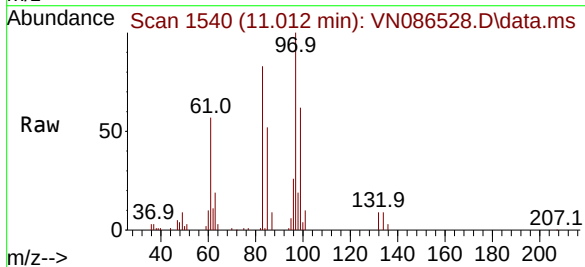
Manual Integrations
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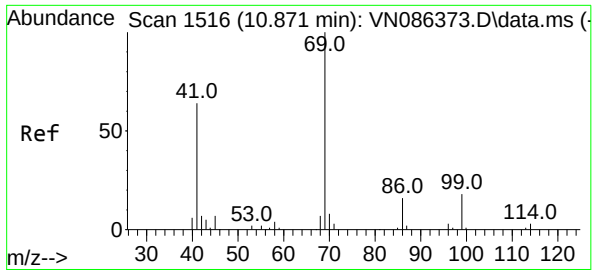
Reviewed By :John Carlone 05/08/2025
 Supervised By :Mahesh Dadoda 05/08/2025



#50
 1,1,2-Trichloroethane
 Concen: 20.761 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. -0.000 min
 Lab File: VN086528.D
 Acq: 07 May 2025 11:01

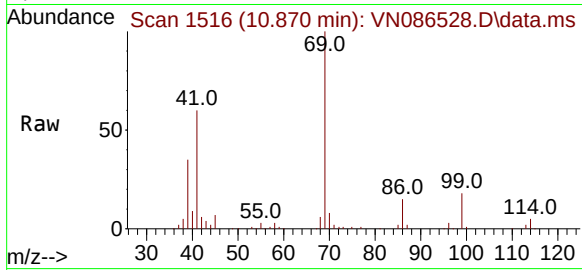
Tgt Ion: 97 Resp: 58291
 Ion Ratio Lower Upper
 97 100
 83 83.3 69.3 103.9
 85 52.4 45.5 68.3
 99 62.3 49.0 73.6





#51
Ethyl methacrylate
Concen: 19.070 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

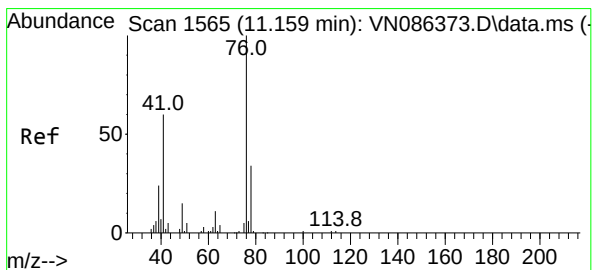
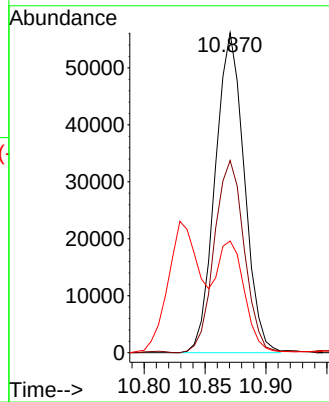
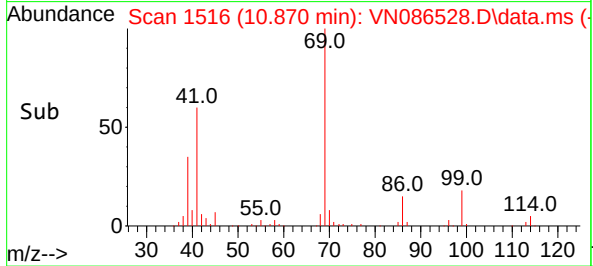
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 9325
Ion Ratio Lower Upper
69 100
41 60.1 32.3 96.8
39 34.5 19.1 57.1

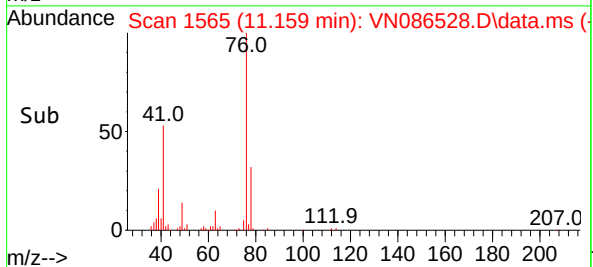
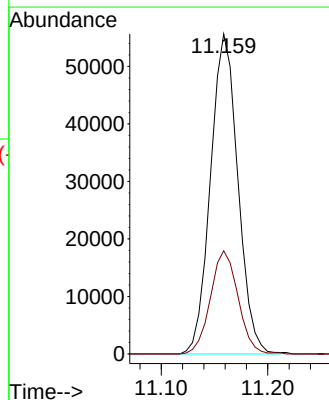
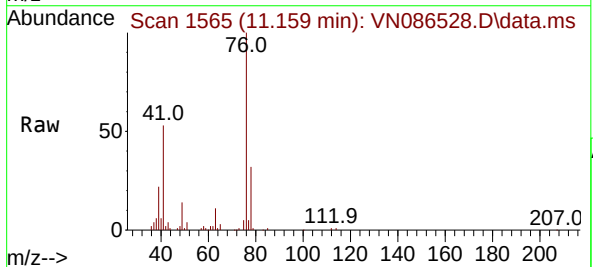
Manual Integrations
APPROVED

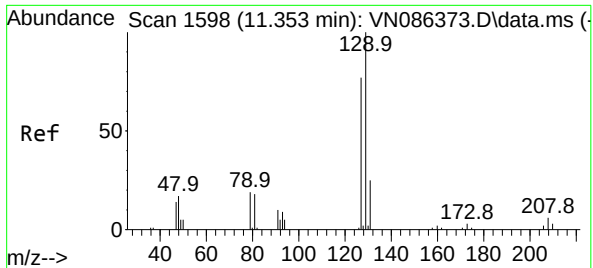
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#52
1,3-Dichloropropane
Concen: 20.017 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

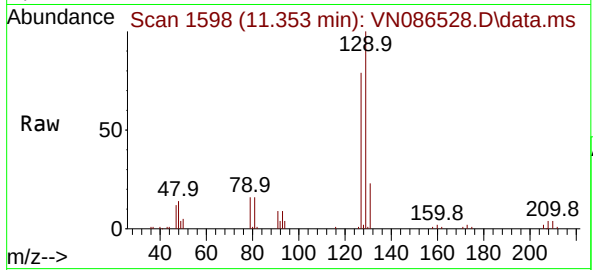
Tgt Ion: 76 Resp: 99333
Ion Ratio Lower Upper
76 100
78 32.3 0.0 65.6





#53
Dibromochloromethane
Concen: 20.736 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

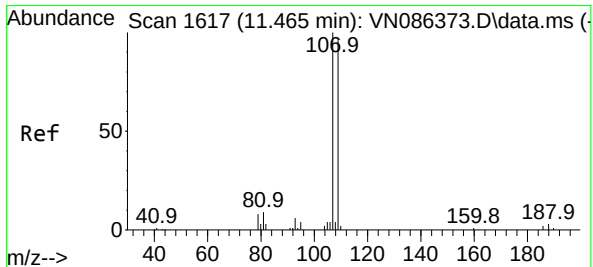
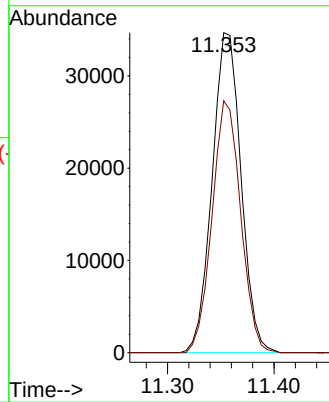
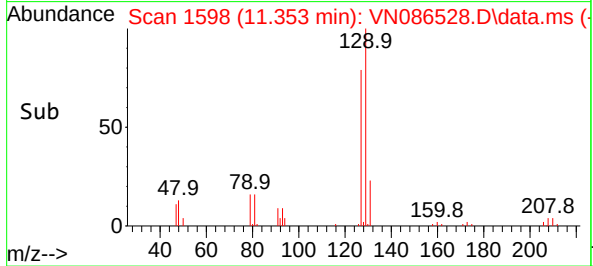
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



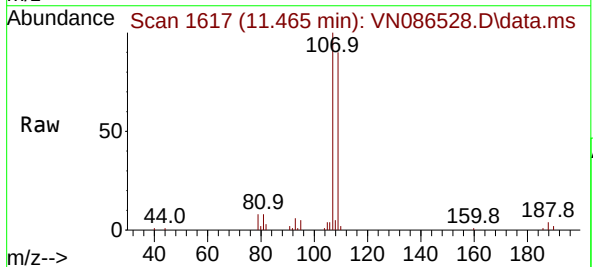
Tgt Ion:129 Resp: 65375
Ion Ratio Lower Upper
129 100
127 77.8 38.8 116.3

Manual Integrations
APPROVED

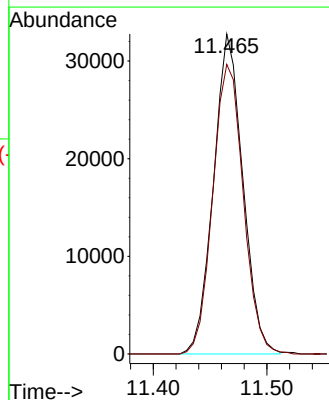
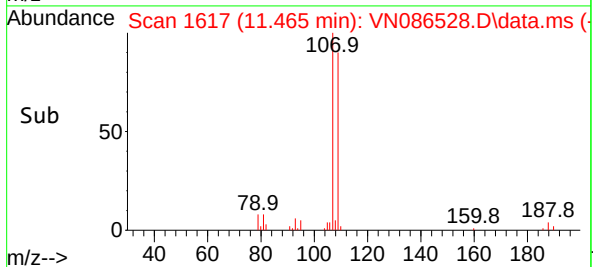
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

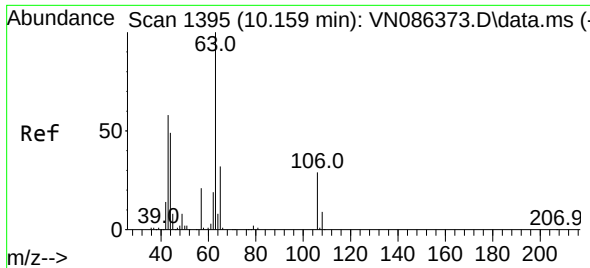


#54
1,2-Dibromoethane
Concen: 20.630 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01



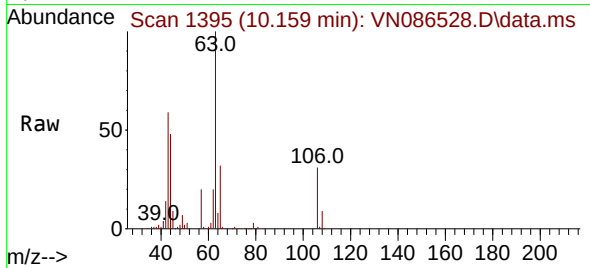
Tgt Ion:107 Resp: 58896
Ion Ratio Lower Upper
107 100
109 93.9 75.4 113.0





#55
2-Chloroethyl vinyl ether
Concen: 69.532 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

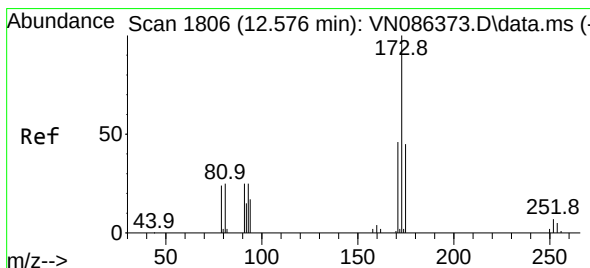
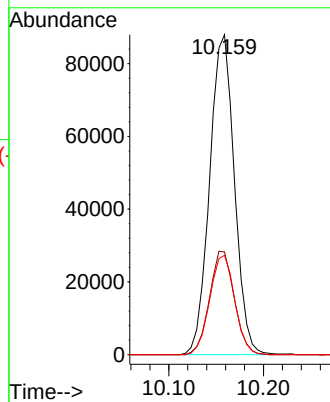
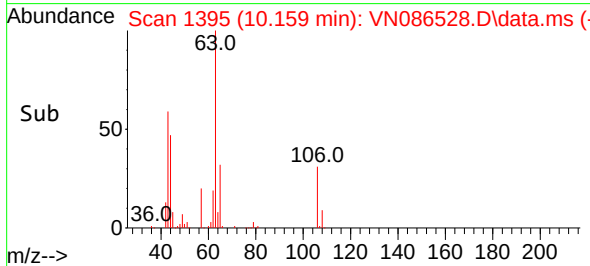
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 63 Resp: 159859
Ion Ratio Lower Upper
63 100
65 32.3 25.7 38.5
106 31.3 22.3 33.5

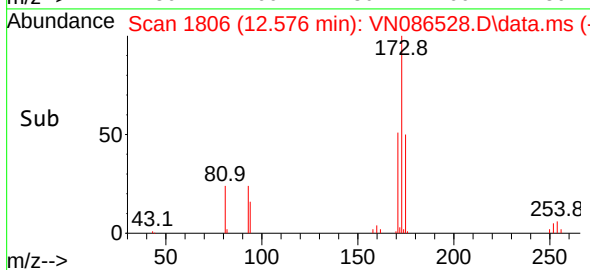
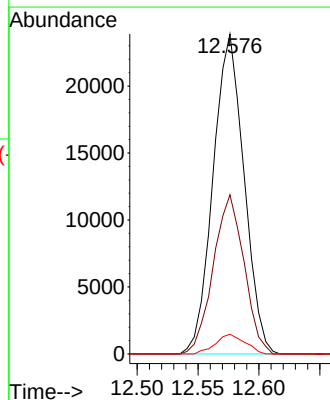
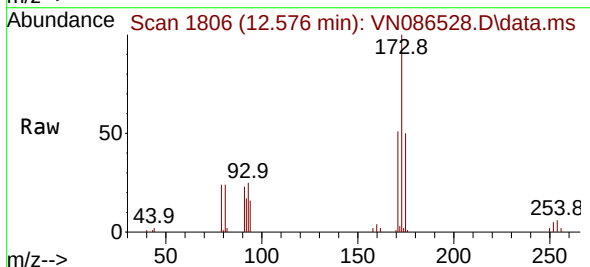
Manual Integrations
APPROVED

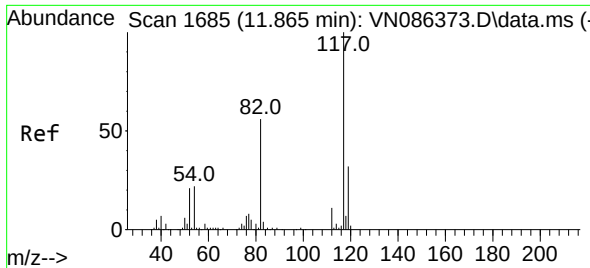
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#56
Bromoform
Concen: 20.611 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

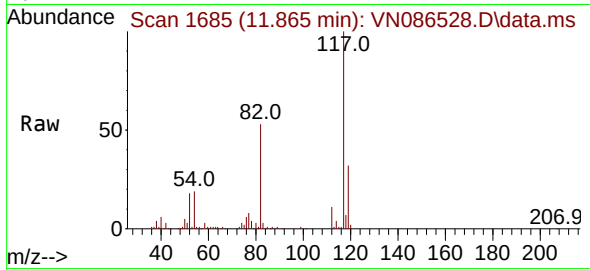
Tgt Ion:173 Resp: 42168
Ion Ratio Lower Upper
173 100
175 49.5 39.0 58.6
254 5.9 3.8 5.6#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

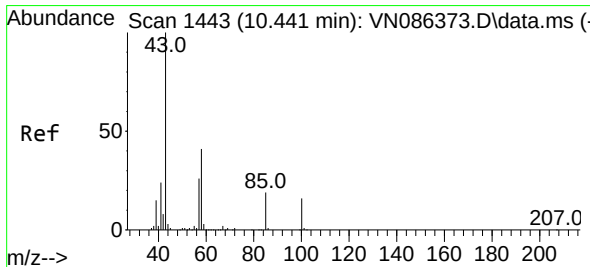
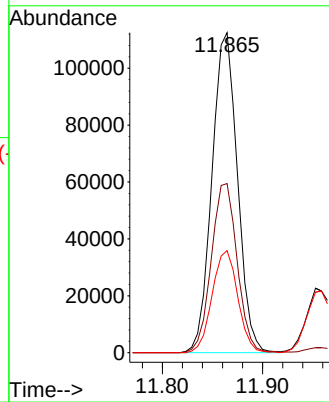
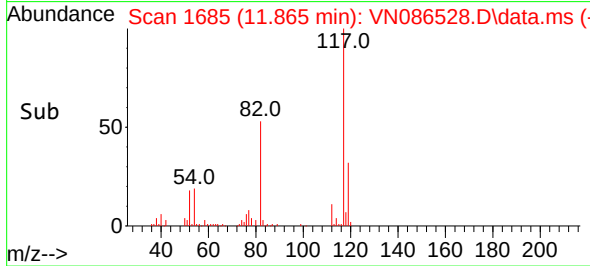
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 198839
Ion Ratio Lower Upper
117 100
82 53.6 45.5 68.3
119 32.1 25.9 38.9

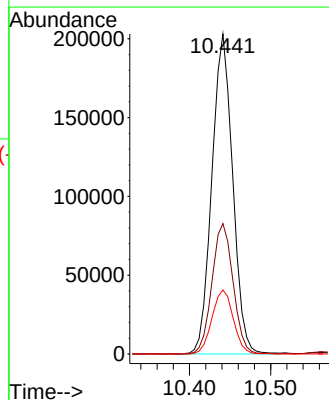
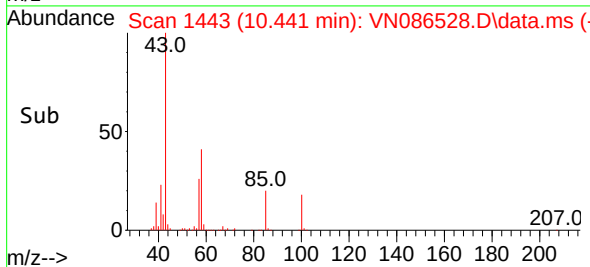
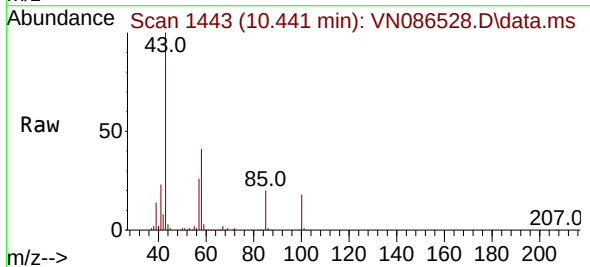
Manual Integrations
APPROVED

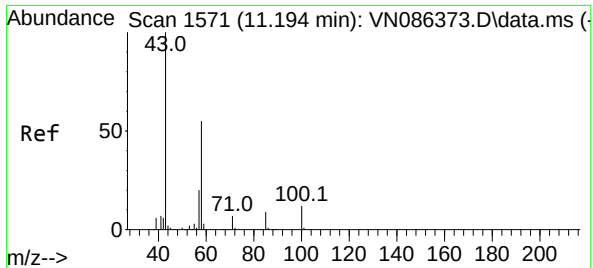
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#58
4-Methyl-2-Pentanone
Concen: 93.925 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

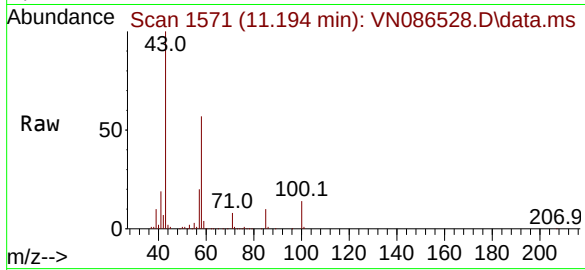
Tgt Ion: 43 Resp: 361408
Ion Ratio Lower Upper
43 100
58 41.4 33.0 49.6
85 20.4 14.9 22.3





#59
2-Hexanone
Concen: 92.531 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

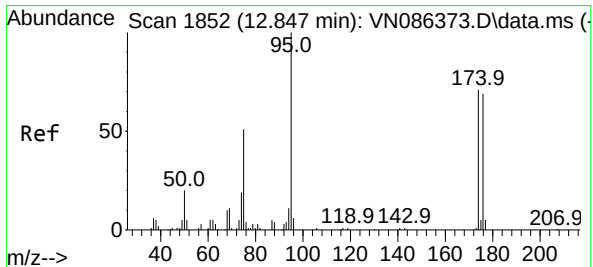
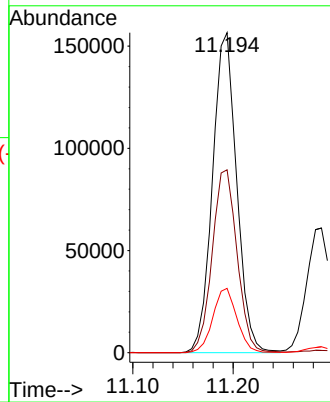
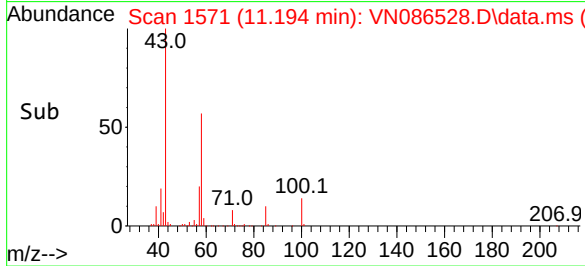
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 26237
Ion Ratio Lower Upper
43 100
58 58.8 45.0 67.6
57 20.0 15.5 23.3

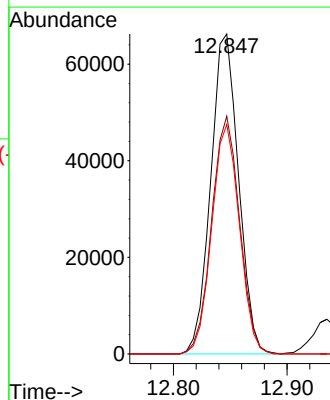
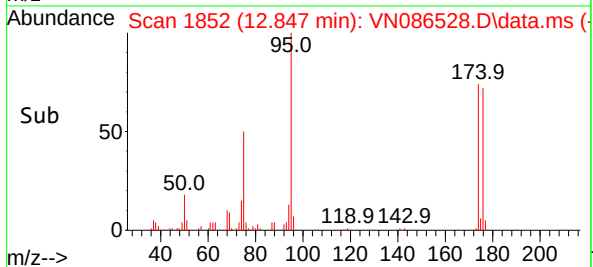
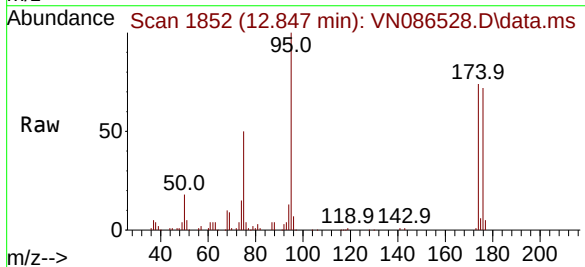
Manual Integrations
APPROVED

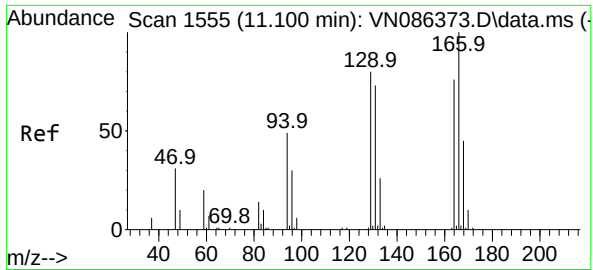
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#60
4-Bromofluorobenzene
Concen: 28.875 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

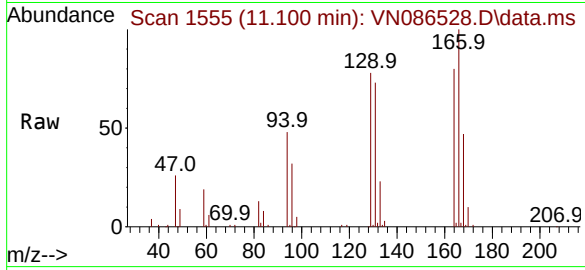
Tgt Ion: 95 Resp: 112846
Ion Ratio Lower Upper
95 100
174 74.6 56.6 84.8
176 71.1 53.3 79.9





#61
Tetrachloroethene
Concen: 22.153 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

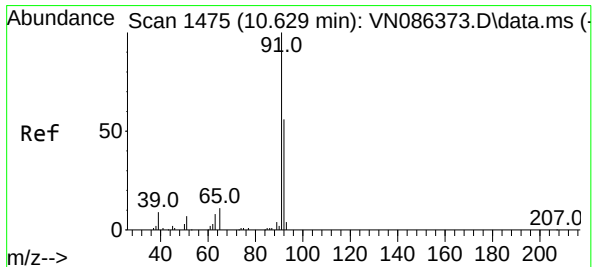
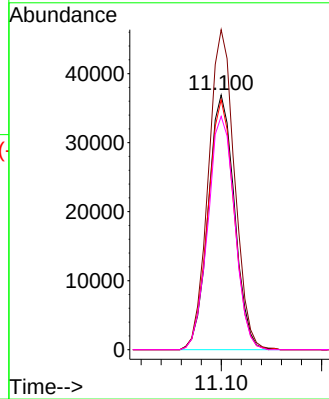
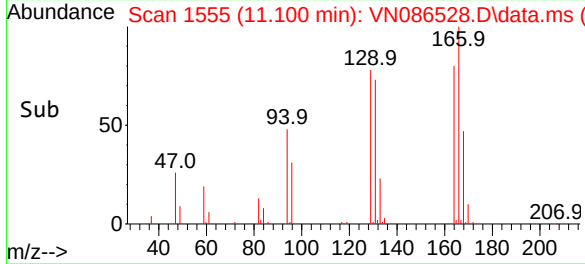
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:164 Resp: 67183
Ion Ratio Lower Upper
164 100
166 125.6 105.0 157.4
129 98.1 83.9 125.9
131 91.5 76.7 115.1

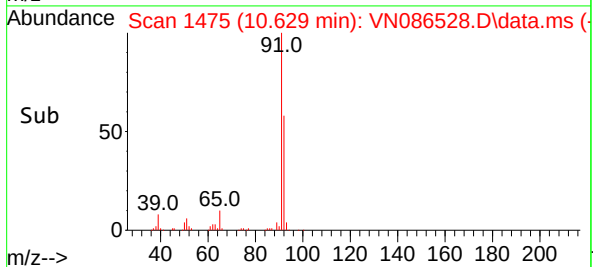
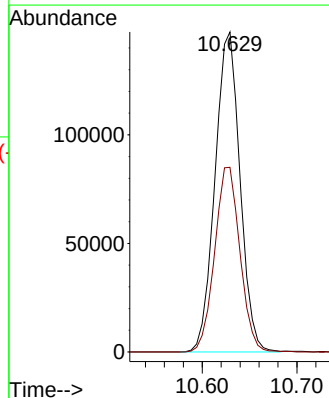
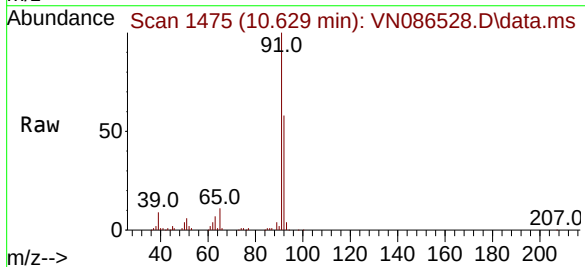
Manual Integrations
APPROVED

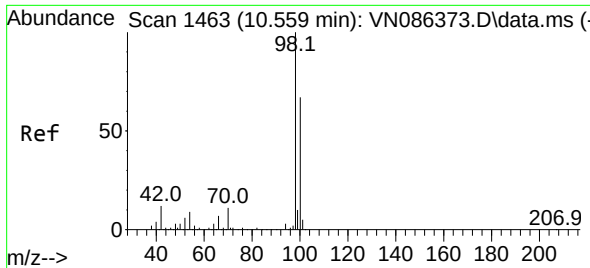
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#62
Toluene
Concen: 20.296 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

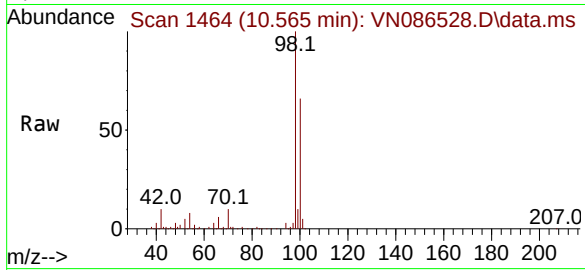
Tgt Ion: 91 Resp: 270131
Ion Ratio Lower Upper
91 100
92 58.4 45.7 68.5





#63
Toluene-d8
Concen: 29.351 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

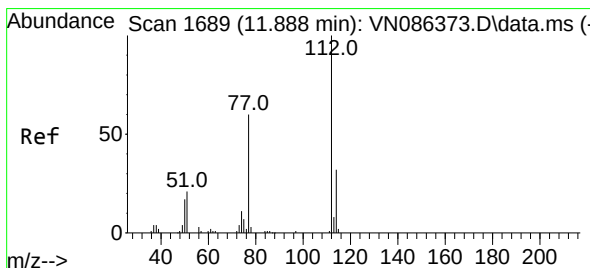
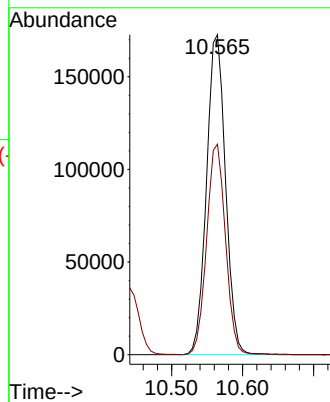
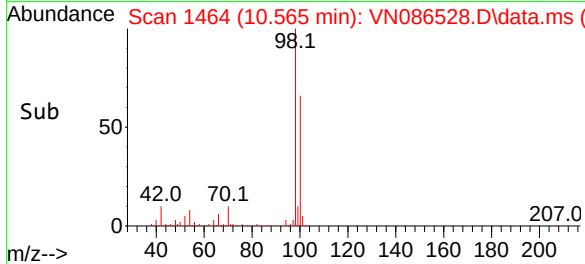
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 98 Resp: 32107
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7

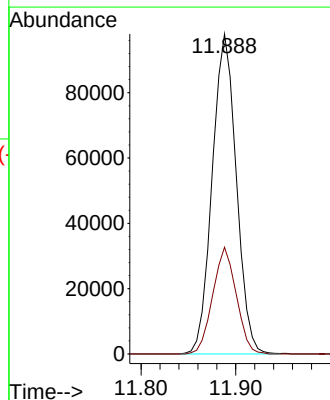
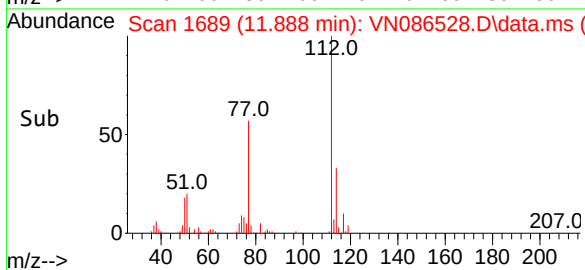
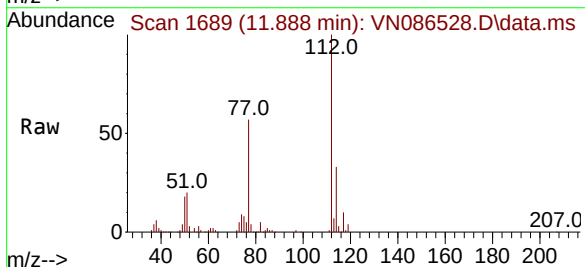
Manual Integrations
APPROVED

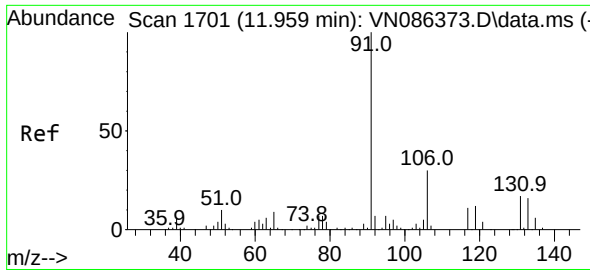
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#64
Chlorobenzene
Concen: 20.876 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

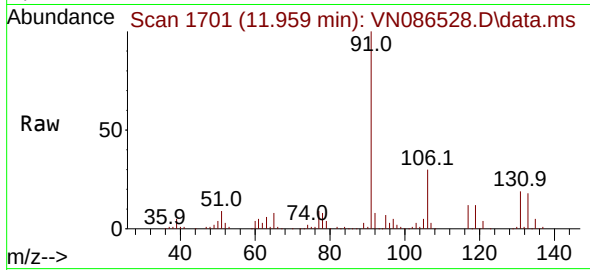
Tgt Ion:112 Resp: 173125
Ion Ratio Lower Upper
112 100
114 33.4 25.6 38.4





#65
1,1,1,2-Tetrachloroethane
Concen: 21.324 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

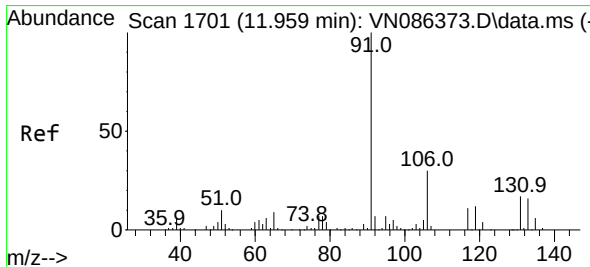
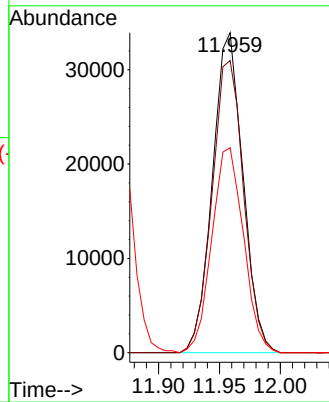
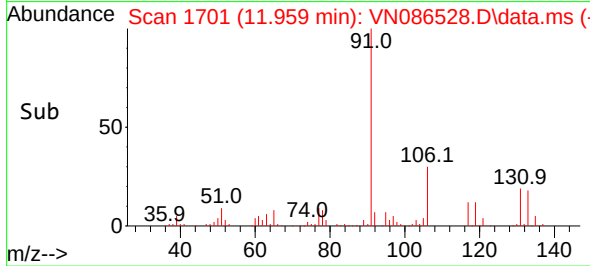
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:131 Resp: 59129
Ion Ratio Lower Upper
131 100
133 94.8 0.0 191.4
119 66.6 0.0 133.6

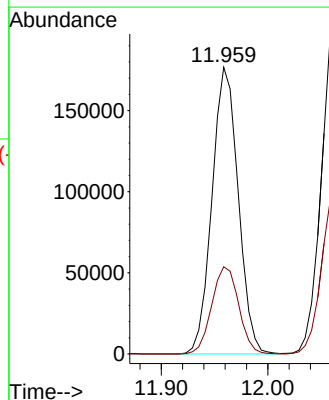
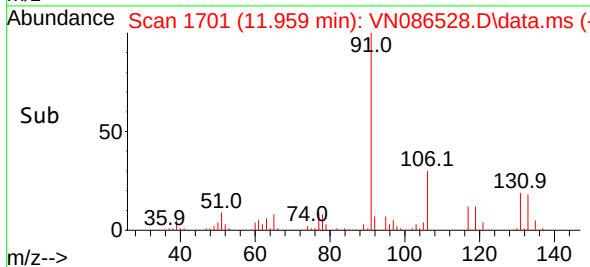
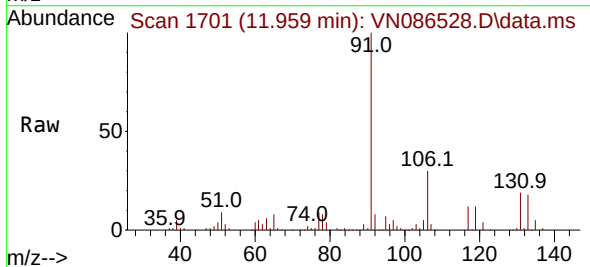
Manual Integrations
APPROVED

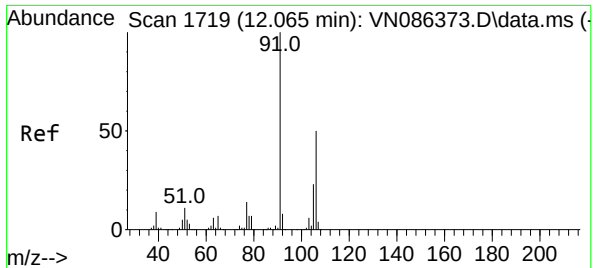
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#66
Ethyl Benzene
Concen: 20.138 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

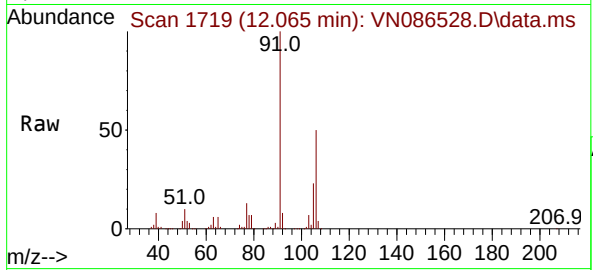
Tgt Ion: 91 Resp: 301687
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5





#67
m/p-Xylenes
Concen: 41.060 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

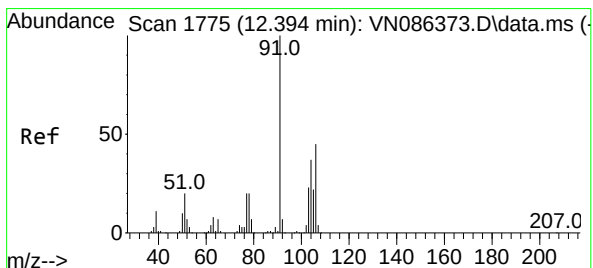
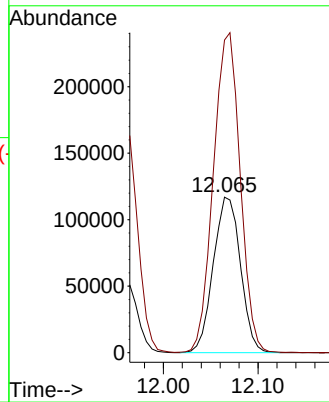
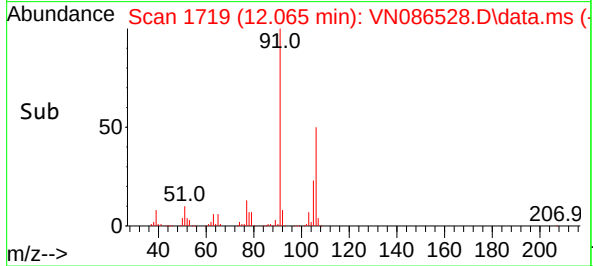
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:106 Resp: 233390
Ion Ratio Lower Upper
106 100
91 203.1 162.6 243.8

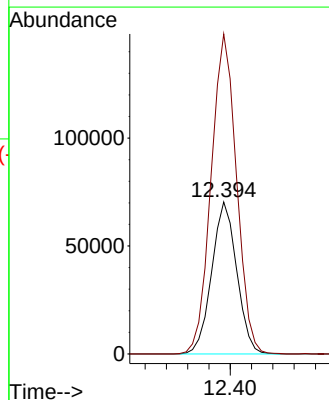
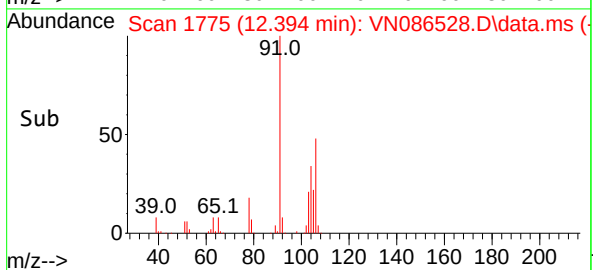
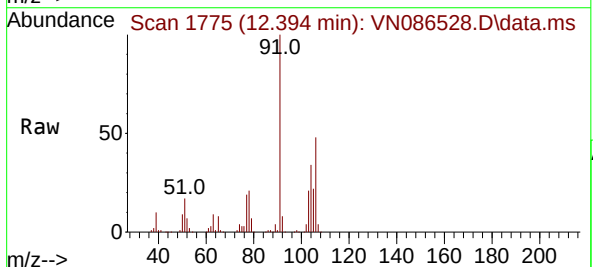
Manual Integrations
APPROVED

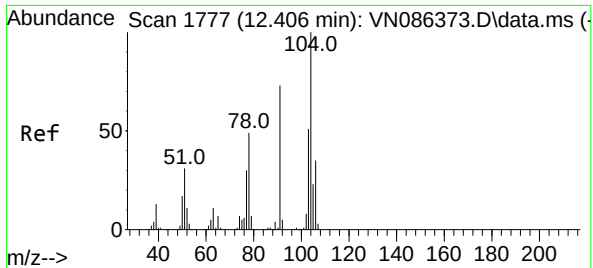
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#68
o-Xylene
Concen: 20.605 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Tgt Ion:106 Resp: 114679
Ion Ratio Lower Upper
106 100
91 213.9 110.6 331.6





#69

Styrene

Concen: 19.789 ug/l

RT: 12.406 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:104 Resp: 18668

Ion Ratio Lower Upper

104 100

78 48.9 40.2 60.4

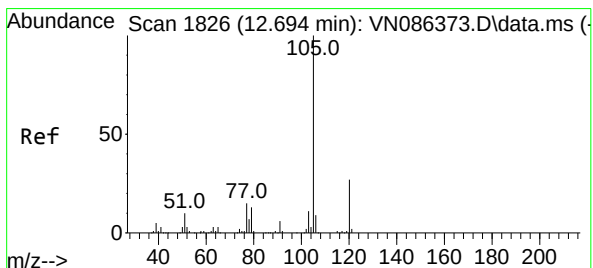
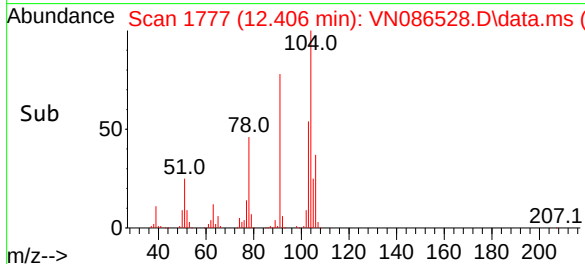
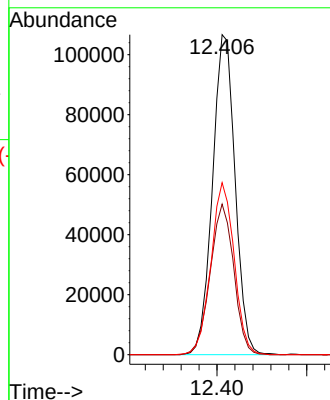
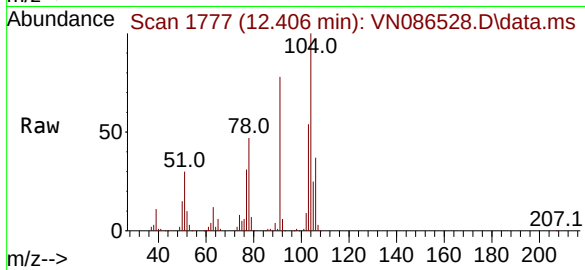
103 55.2 43.8 65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#70

Isopropylbenzene

Concen: 20.414 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN086528.D

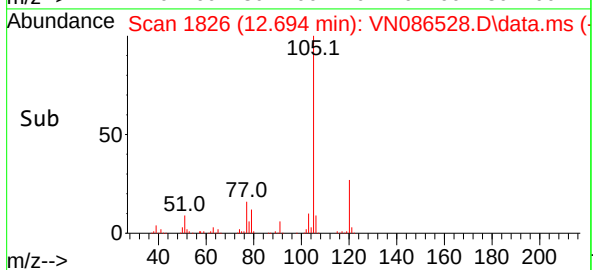
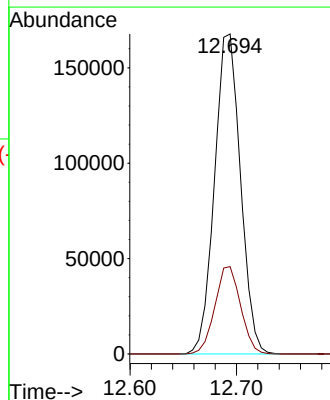
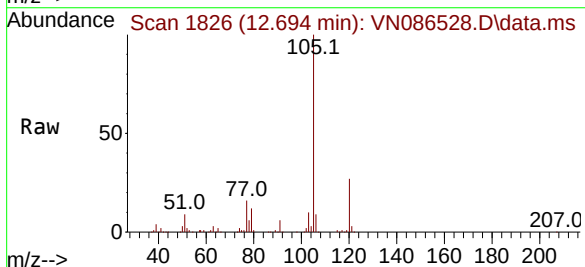
Acq: 07 May 2025 11:01

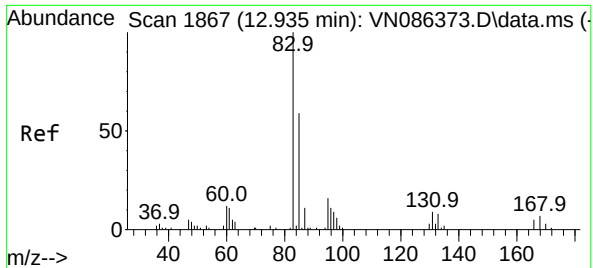
Tgt Ion:105 Resp: 283622

Ion Ratio Lower Upper

105 100

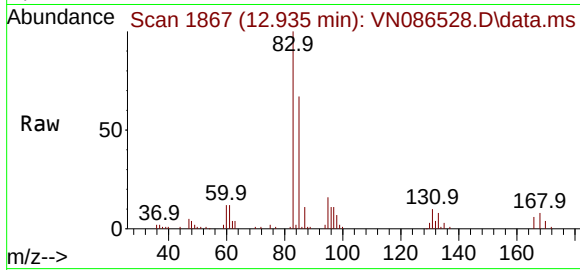
120 27.0 18.2 33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 20.664 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

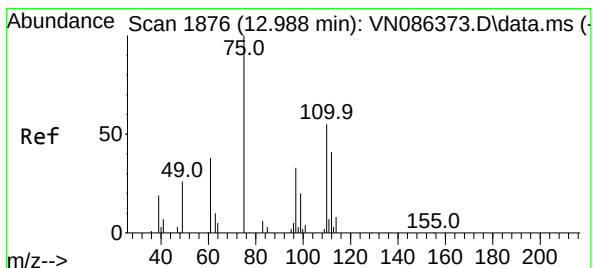
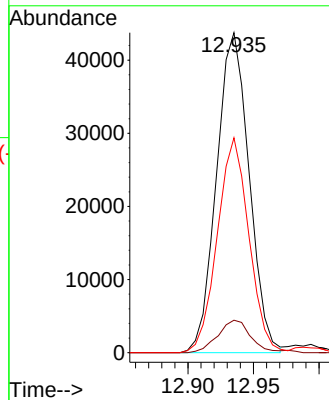
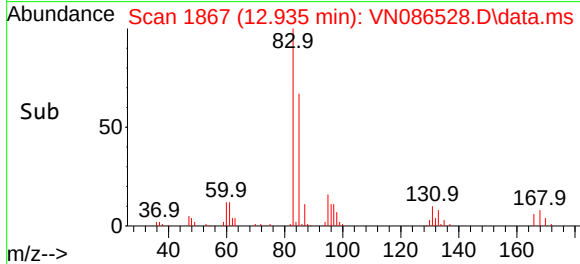
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 7559
Ion Ratio Lower Upper
83 100
131 10.2 4.5 13.7
85 65.1 31.7 95.1

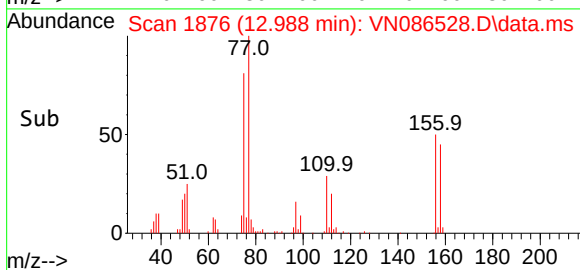
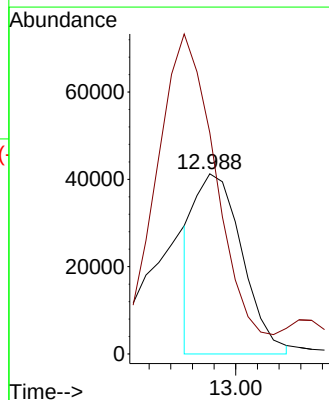
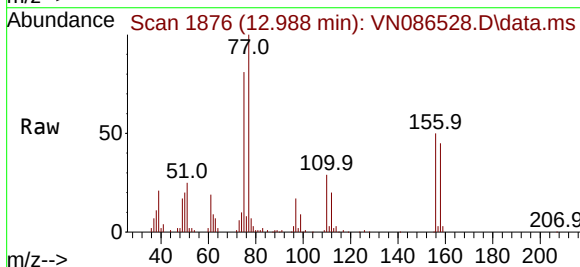
Manual Integrations
APPROVED

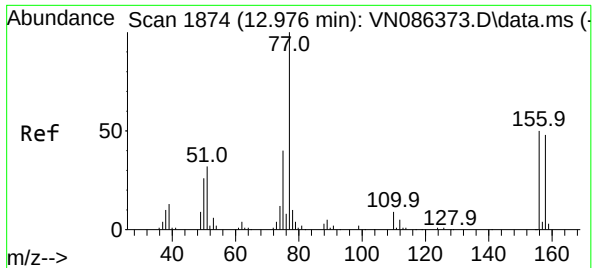
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#72
1,2,3-Trichloropropane
Concen: 19.692 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

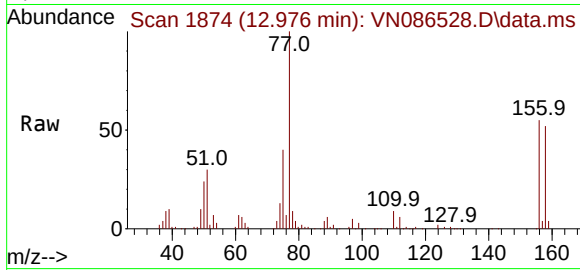
Tgt Ion: 75 Resp: 62804
Ion Ratio Lower Upper
75 100
77 228.8 0.0 464.4





#73
Bromobenzene
Concen: 21.635 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

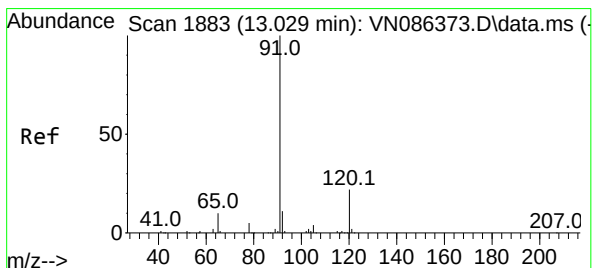
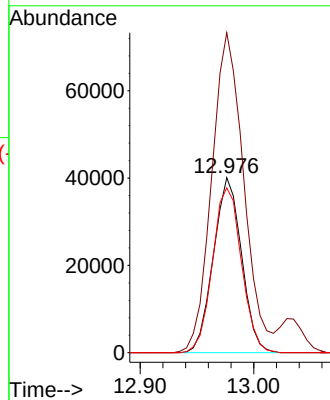
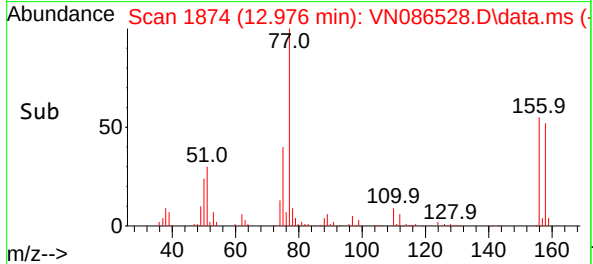
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:156 Resp: 69104
Ion Ratio Lower Upper
156 100
77 208.0 0.0 463.4
158 96.8 0.0 191.8

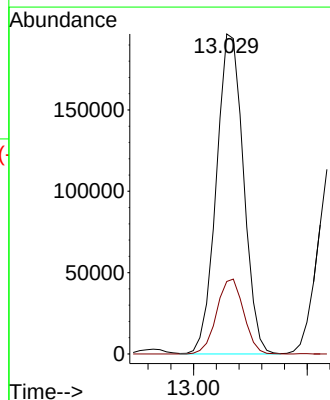
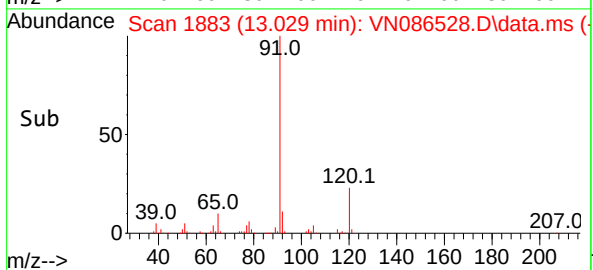
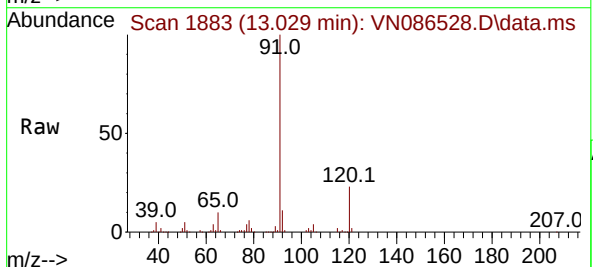
Manual Integrations
APPROVED

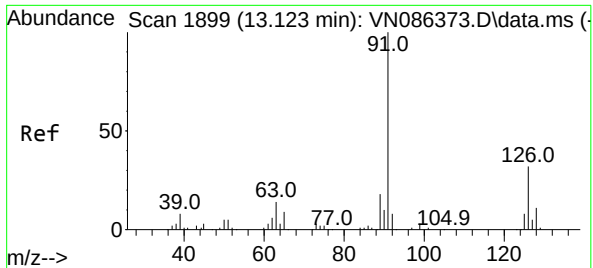
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#74
n-propylbenzene
Concen: 19.787 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Tgt Ion: 91 Resp: 326678
Ion Ratio Lower Upper
91 100
120 23.2 0.0 43.8





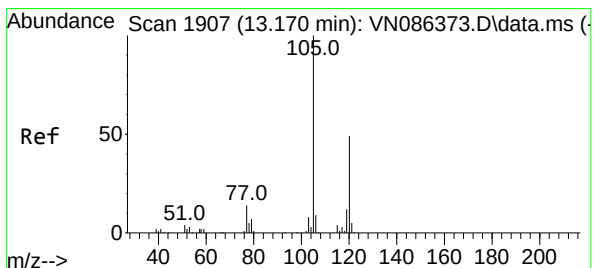
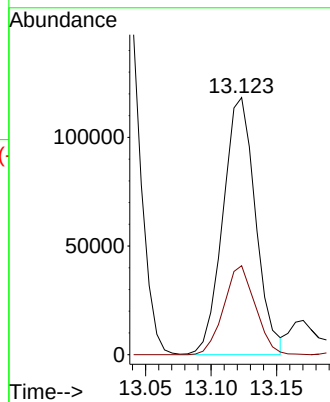
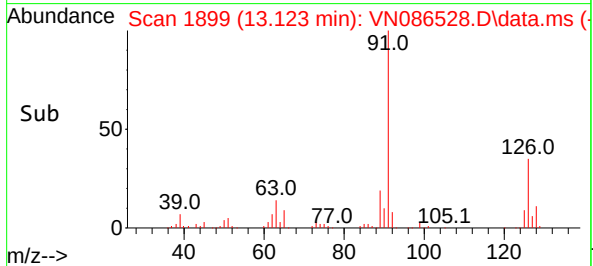
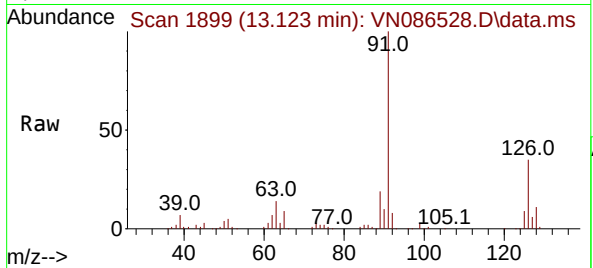
#75
2-Chlorotoluene
Concen: 19.899 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 205084
Ion Ratio Lower Upper
91 100
126 33.5 0.0 65.0

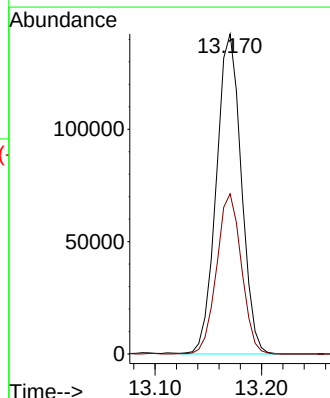
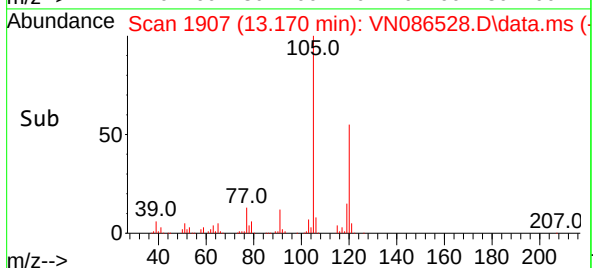
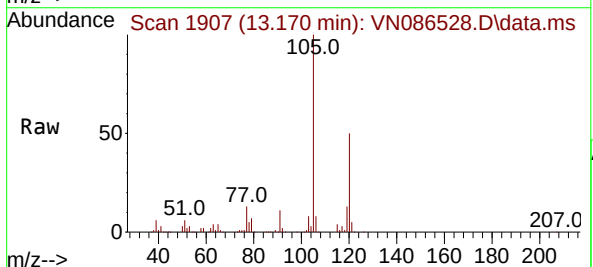
Manual Integrations
APPROVED

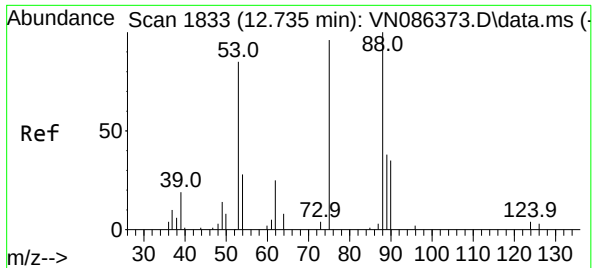
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#76
1,3,5-Trimethylbenzene
Concen: 20.275 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

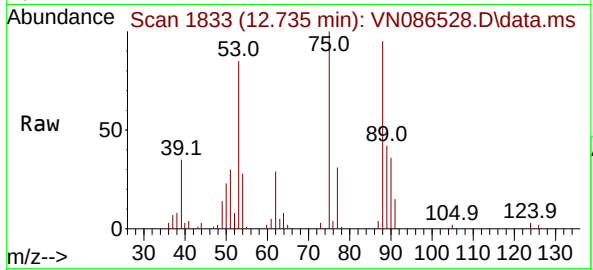
Tgt Ion:105 Resp: 231127
Ion Ratio Lower Upper
105 100
120 49.7 0.0 97.6





#77
t-1,4-Dichloro-2-butene
Concen: 17.545 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

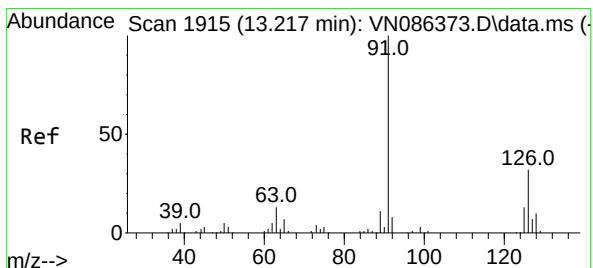
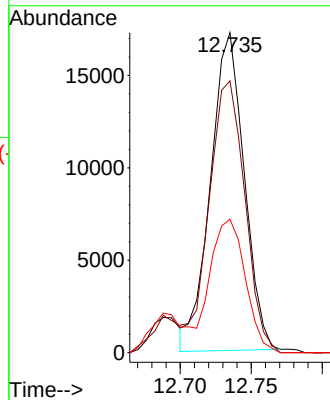
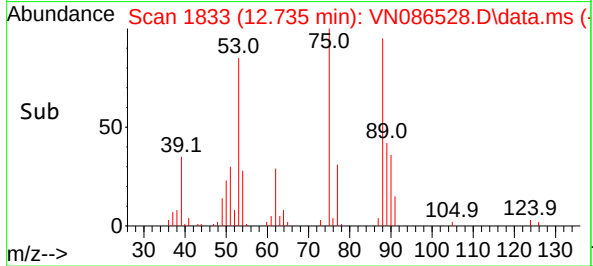
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 75 Resp: 28398
Ion Ratio Lower Upper
75 100
53 85.8 46.0 138.0
89 41.2 21.6 64.6

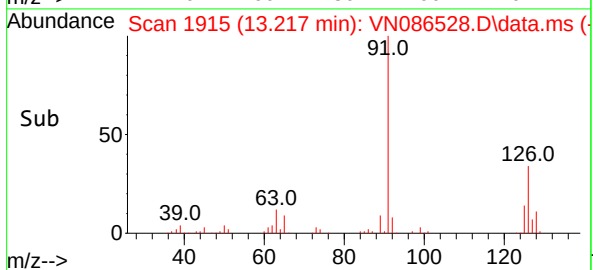
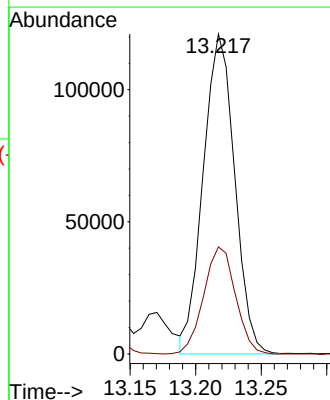
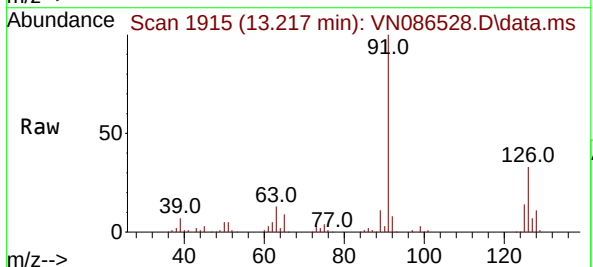
Manual Integrations
APPROVED

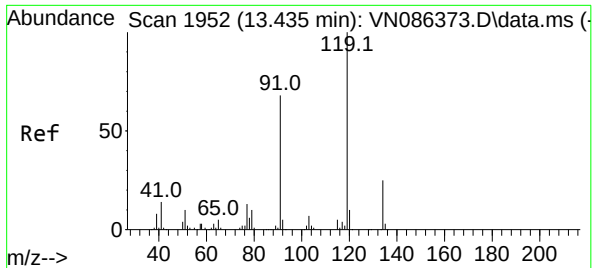
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#78
4-Chlorotoluene
Concen: 19.596 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

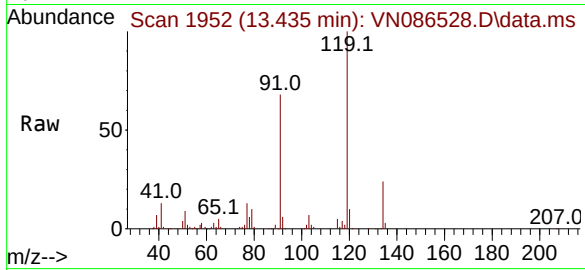
Tgt Ion: 91 Resp: 201932
Ion Ratio Lower Upper
91 100
126 33.8 0.0 65.4





#79
tert-butylbenzene
Concen: 20.505 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

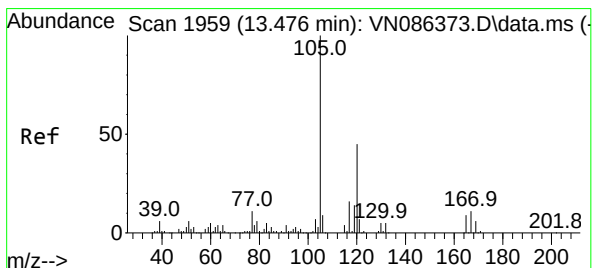
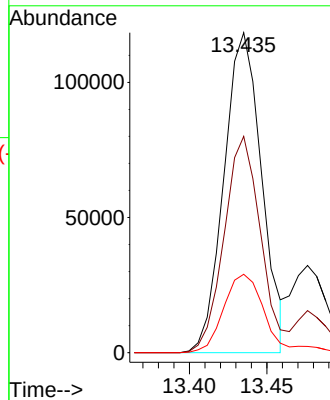
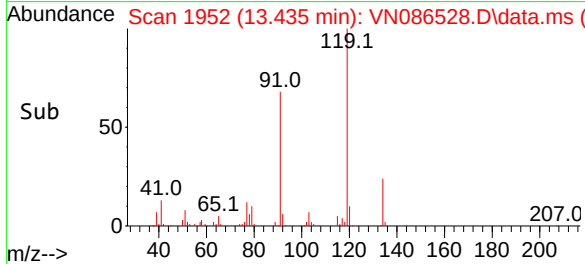
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:119 Resp: 20019
Ion Ratio Lower Upper
119 100
91 66.2 0.0 137.4
134 25.5 0.0 49.2

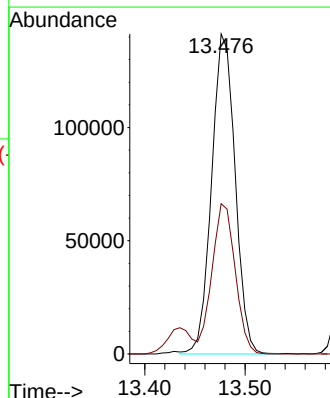
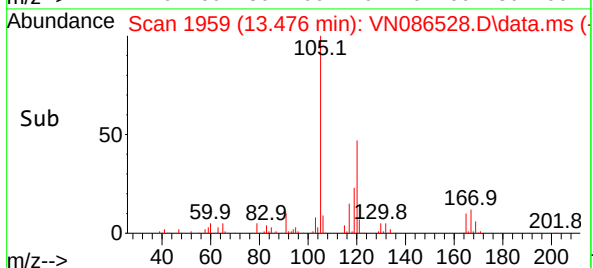
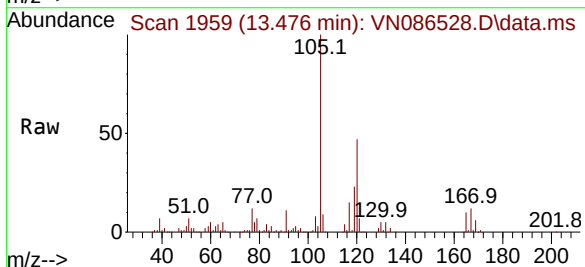
Manual Integrations
APPROVED

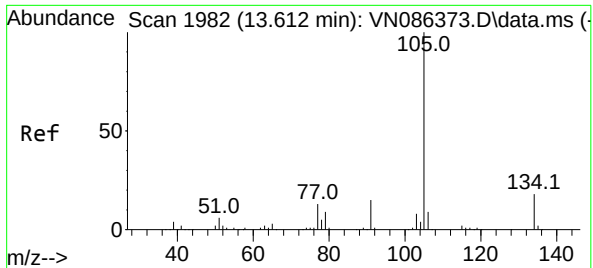
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#80
1,2,4-Trimethylbenzene
Concen: 19.772 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

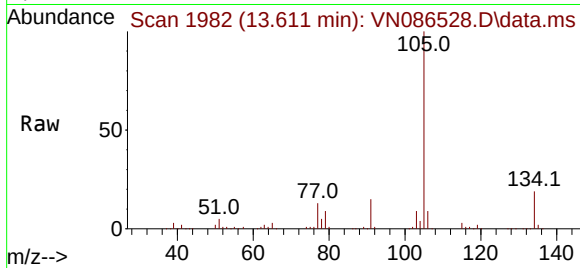
Tgt Ion:105 Resp: 230192
Ion Ratio Lower Upper
105 100
120 46.2 0.0 87.6





#81
 sec-Butylbenzene
 Concen: 19.696 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086528.D
 Acq: 07 May 2025 11:01

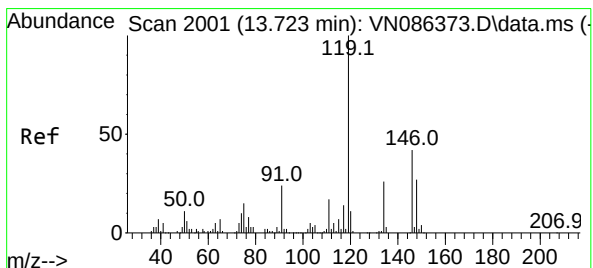
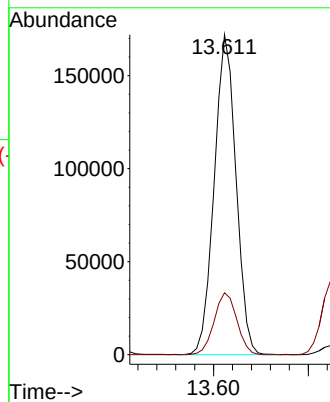
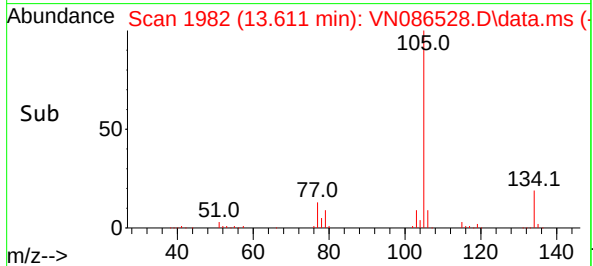
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



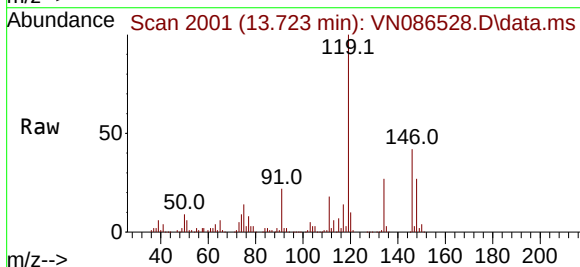
Tgt Ion:105 Resp: 274490
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 38.4

Manual Integrations
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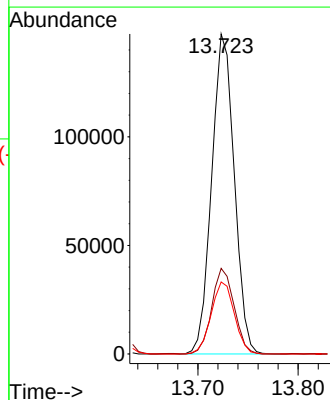
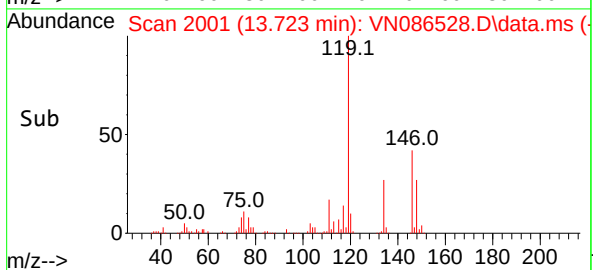
Reviewed By :John Carlone 05/08/2025
 Supervised By :Mahesh Dadoda 05/08/2025

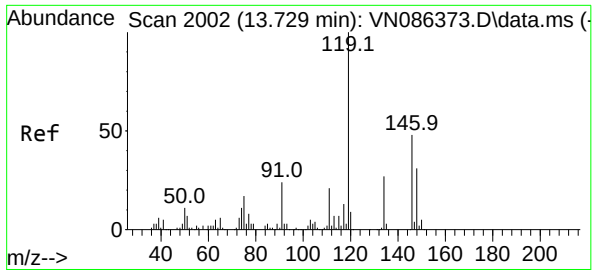


#82
 p-Isopropyltoluene
 Concen: 19.762 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: VN086528.D
 Acq: 07 May 2025 11:01



Tgt Ion:119 Resp: 230453
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.2
 91 23.1 0.0 47.6





#83

1,3-Dichlorobenzene

Concen: 20.067 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:146 Resp: 12116

Ion Ratio Lower Upper

146 100

111 41.3 20.7 62.1

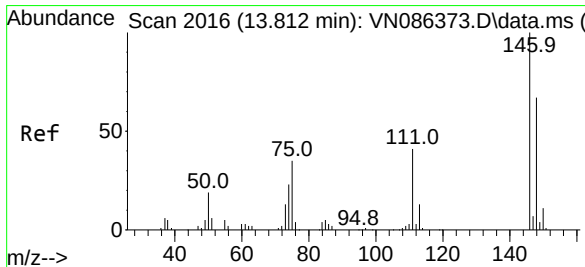
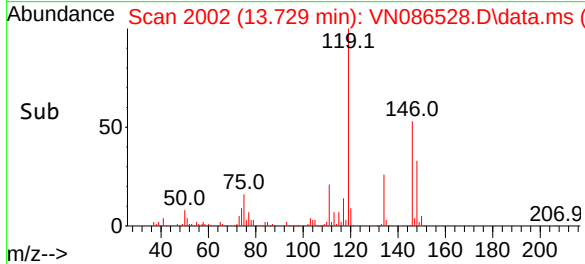
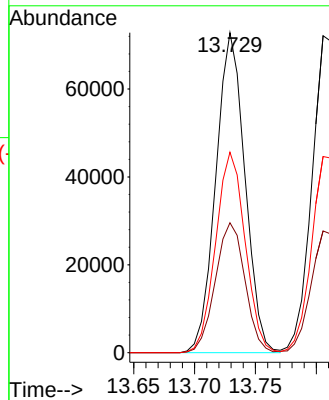
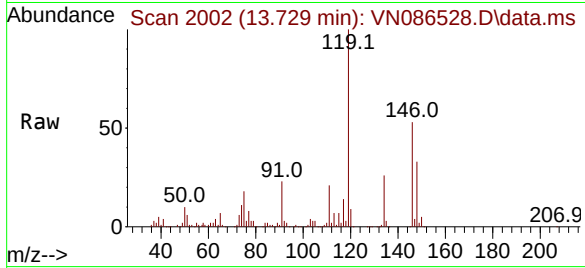
148 63.5 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#84

1,4-Dichlorobenzene

Concen: 20.416 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN086528.D

Acq: 07 May 2025 11:01

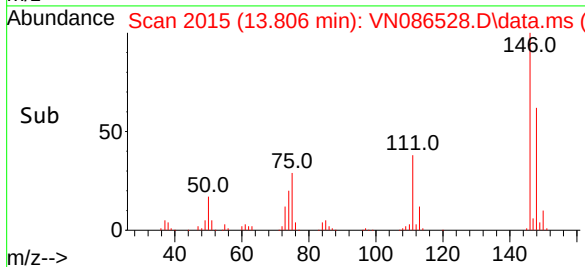
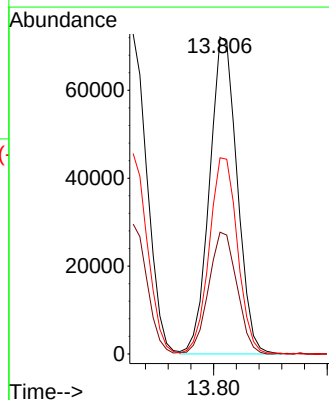
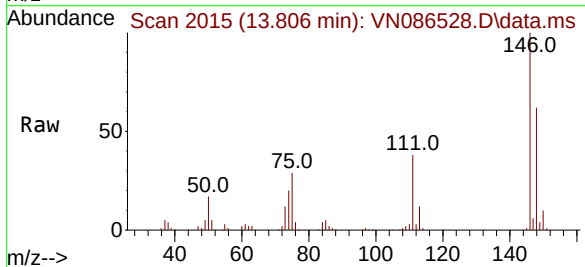
Tgt Ion:146 Resp: 121794

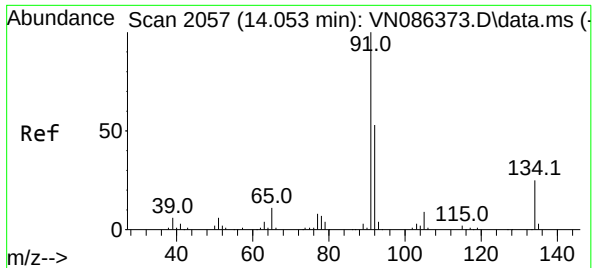
Ion Ratio Lower Upper

146 100

111 39.4 20.3 60.8

148 63.3 32.4 97.2





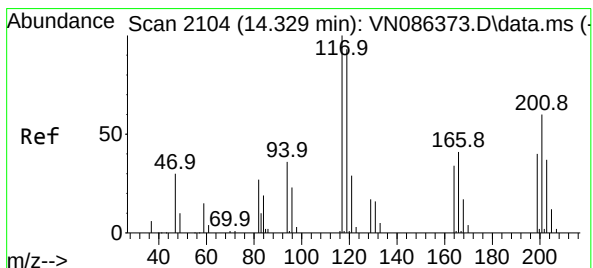
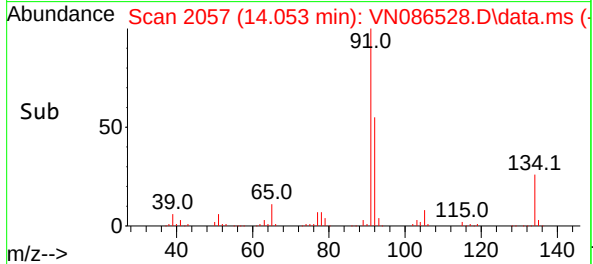
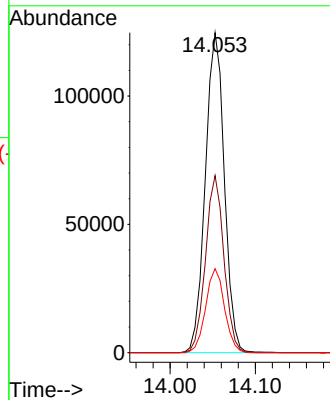
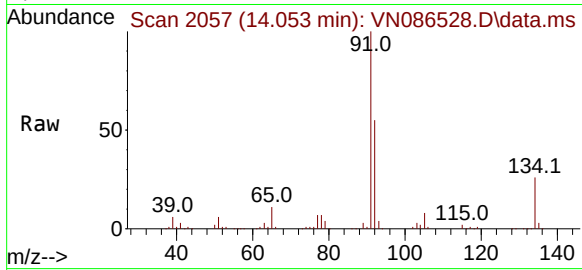
#85
n-Butylbenzene
Concen: 18.609 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 193640
Ion Ratio Lower Upper
91 100
92 53.6 0.0 107.2
134 26.0 0.0 48.2

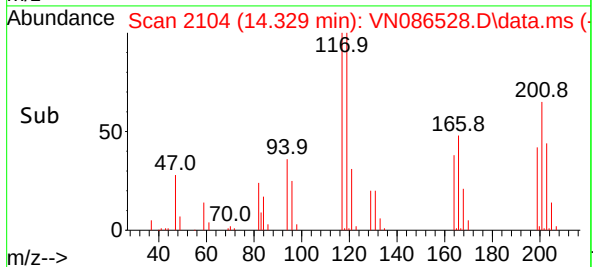
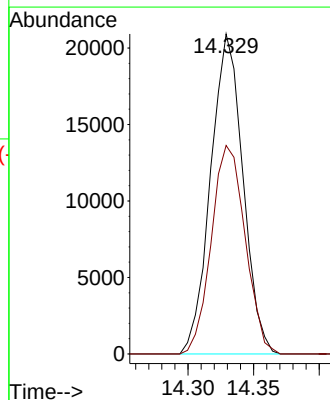
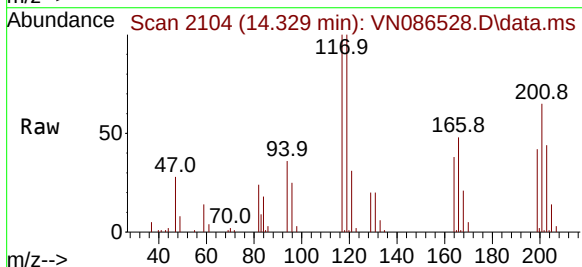
Manual Integrations
APPROVED

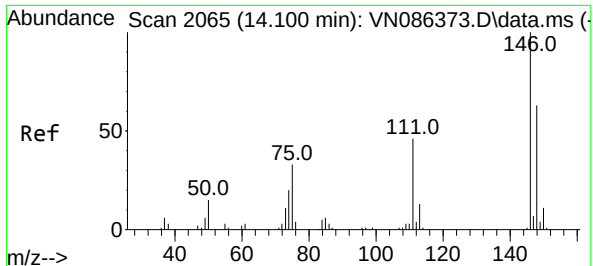
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#86
Hexachloroethane
Concen: 18.778 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

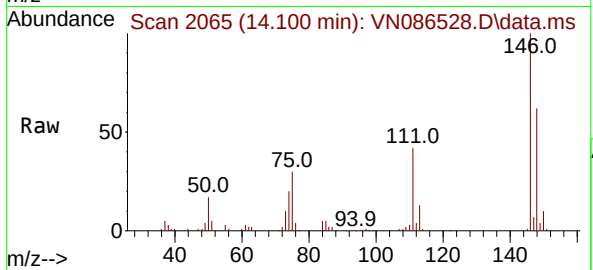
Tgt Ion:117 Resp: 35807
Ion Ratio Lower Upper
117 100
201 68.2 31.7 95.1





#87
1,2-Dichlorobenzene
Concen: 20.439 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

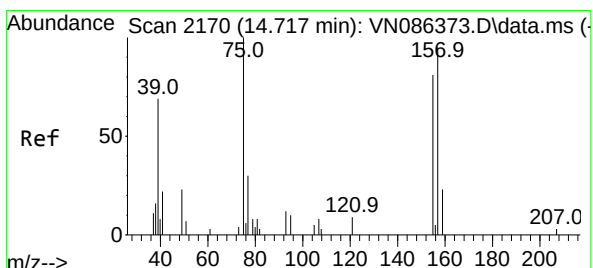
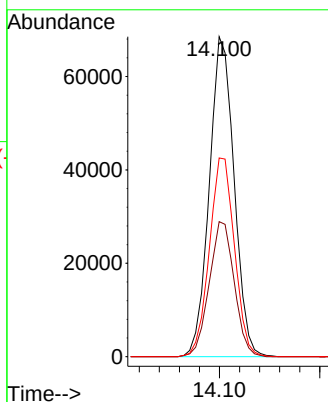
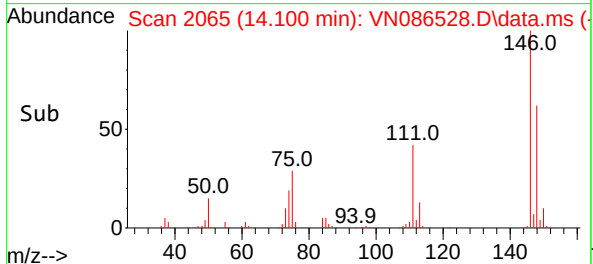
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:146 Resp: 11742
Ion Ratio Lower Upper
146 100
111 42.6 22.1 66.3
148 62.9 32.0 96.0

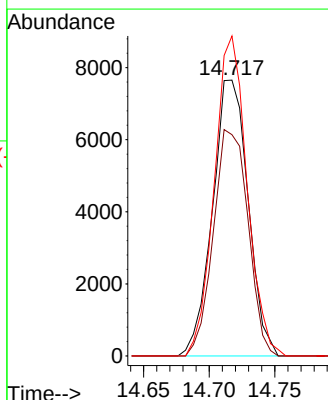
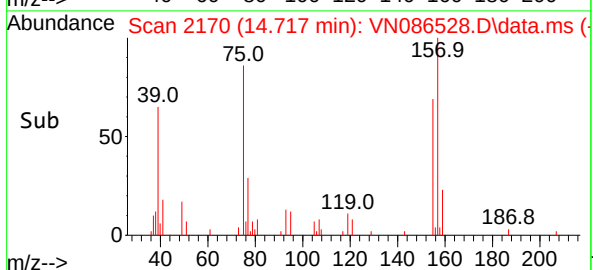
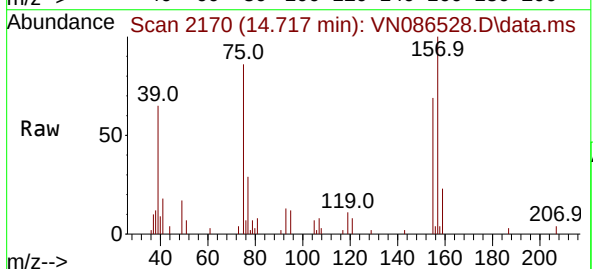
Manual Integrations
APPROVED

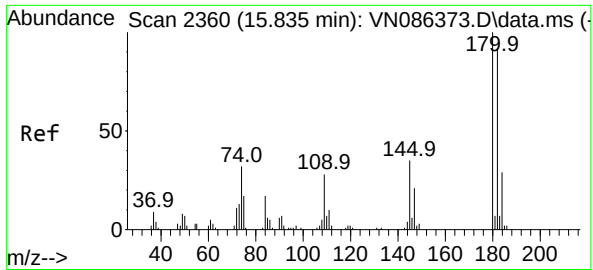
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 19.407 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

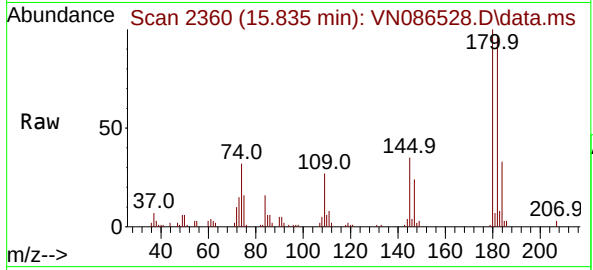
Tgt Ion: 75 Resp: 14430
Ion Ratio Lower Upper
75 100
155 79.8 64.0 96.0
157 106.2 78.2 117.4





#89
1,2,4-Trichlorobenzene
Concen: 20.589 ug/l
RT: 15.835 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

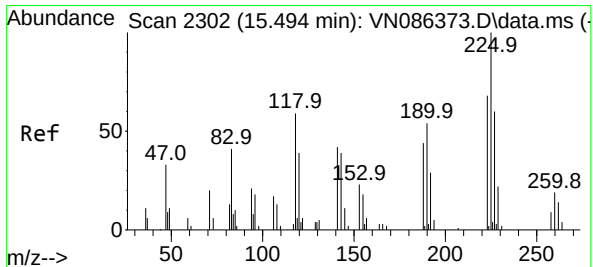
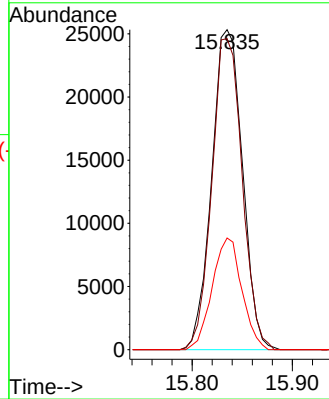
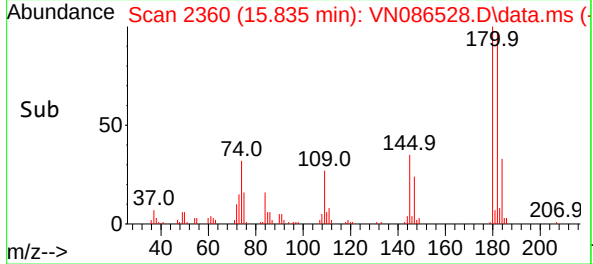
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:180 Resp: 5391
Ion Ratio Lower Upper
180 100
182 95.7 74.8 112.2
145 33.6 26.9 40.3

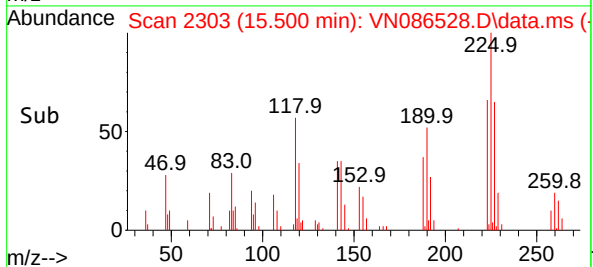
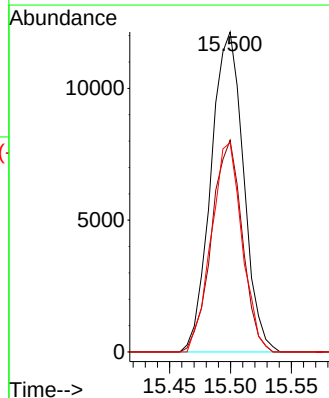
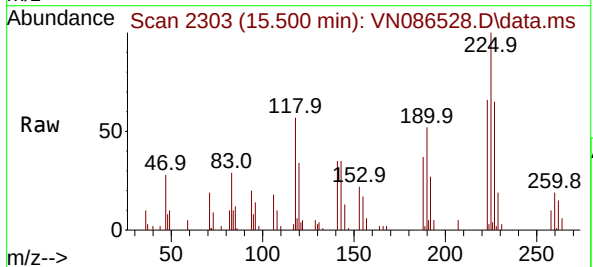
Manual Integrations
APPROVED

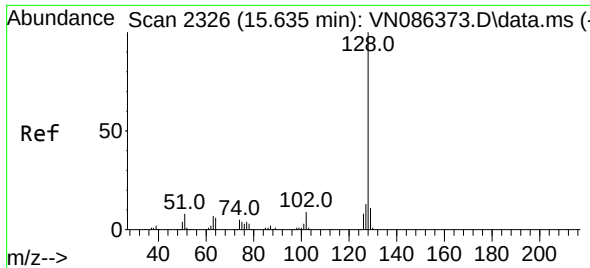
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#90
Hexachlorobutadiene
Concen: 21.397 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

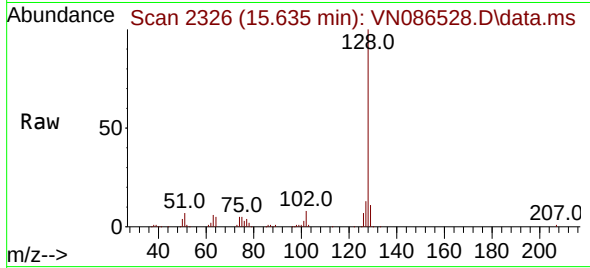
Tgt Ion:225 Resp: 22568
Ion Ratio Lower Upper
225 100
223 62.4 0.0 128.8
227 62.0 0.0 120.2





#91
Naphthalene
Concen: 19.374 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

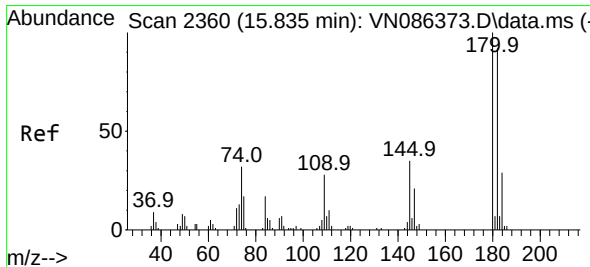
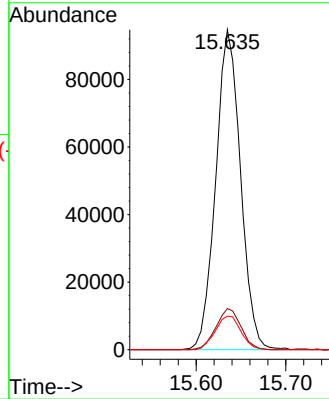
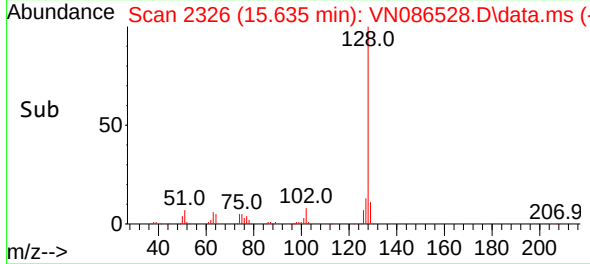
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 181619
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.7 13.1

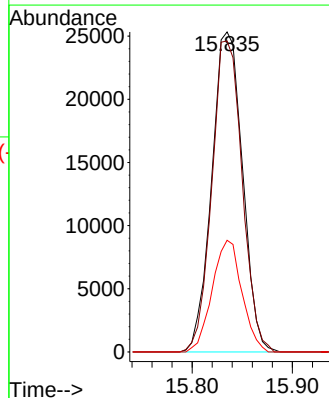
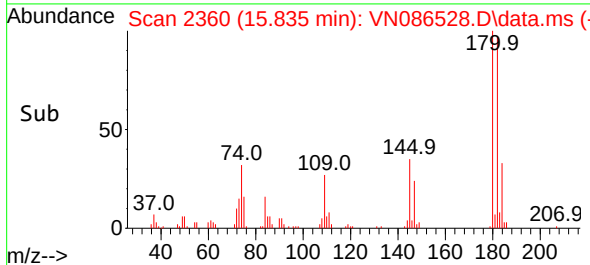
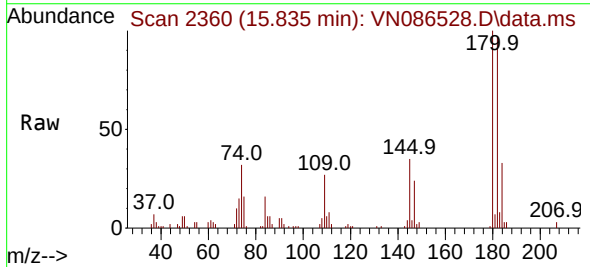
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#92
1,2,3-Trichlorobenzene
Concen: 20.589 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086528.D
Acq: 07 May 2025 11:01

Tgt Ion:180 Resp: 53911
Ion Ratio Lower Upper
180 100
182 95.7 0.0 187.0
145 33.6 0.0 67.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086528.D
 Acq On : 07 May 2025 11:01
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 08 03:24:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	129	0.00
2 M	Dichlorodifluoromethane	2.071	2.167	-4.6	132	0.00
3 M	Chloromethane	2.942	2.612	11.2	116	0.00
4 M	Vinyl Chloride	2.818	2.577	8.6	118	0.00
5 M	Bromomethane	1.471	1.533	-4.2	132	0.00
6 M	Chloroethane	1.879	1.671	11.1	115	0.00
7 M	Trichlorofluoromethane	3.326	3.563	-7.1	135	0.00
8 T	Diethyl Ether	1.404	1.372	2.3	128	0.00
9	1,1,2-Trichlorotrifluoroeth	2.045	2.159	-5.6	136	0.00
10 M	1,1-Dichloroethene	2.093	2.084	0.4	129	0.00
11	Methyl Iodide	2.449	2.595	-6.0	138	0.00
12	Methyl Acetate	2.966	2.493	15.9	107	0.00
13 M	Acrolein	0.150	0.263	-75.3#	266#	0.00
14 M	Acrylonitrile	1.104	1.042	5.6	122	0.00
15 M	Acetone	0.304	0.264	13.2	123	0.00
16 M	Carbon Disulfide	5.515	5.381	2.4	124	0.00
17	Allyl chloride	3.346	3.006	10.2	119	0.00
18 M	Methylene Chloride	2.383	2.404	-0.9	131	0.00
19 M	trans-1,2-Dichloroethene	2.231	2.229	0.1	131	0.00
20 T	Diisopropyl ether	7.957	7.136	10.3	118	0.00
21 M	1,1-Dichloroethane	4.355	4.134	5.1	124	0.00
22 M	cis-1,2-Dichloroethene	2.789	2.793	-0.1	132	0.00
23 M	tert-Butyl Alcohol	0.428	0.432	-0.9	123	0.00
24 M	Methyl tert-Butyl Ether	7.733	7.561	2.2	127	0.00
25 M	Chloroform	4.408	4.335	1.7	126	0.00
26	Cyclohexane	3.846	3.489	9.3	119	0.00
27 s	1,2-Dichloroethane-d4	2.892	2.674	7.5	116	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	123	0.00
29	1,1-Dichloropropene	0.529	0.532	-0.6	129	0.00
30 M	2-Butanone	0.257	0.239	7.0	118	0.00
31	2,2-Dichloropropane	0.680	0.676	0.6	126	0.00
32 M	1,1,1-Trichloroethane	0.632	0.651	-3.0	130	0.00
33 M	Carbon Tetrachloride	0.520	0.566	-8.8	137	0.00
34 M	Benzene	1.682	1.671	0.7	125	0.00
35	Methacrylonitrile	0.293	0.268	8.5	110	0.00
36 M	1,2-Dichloroethane	0.546	0.549	-0.5	126	0.00
37 M	Trichloroethene	0.421	0.444	-5.5	137	0.00
38	Methylcyclohexane	0.611	0.616	-0.8	128	0.00
39 M	1,2-Dichloropropane	0.416	0.395	5.0	121	0.00
40	Dibromomethane	0.278	0.286	-2.9	129	0.00
41 M	Bromodichloromethane	0.588	0.591	-0.5	127	0.00
42 M	Vinyl Acetate	0.889	0.876	1.5	122	0.00
43	Ethyl Acetate	0.508	0.484	4.7	125	0.00
44	Isopropyl Acetate	0.964	0.899	6.7	118	0.00
45 T	1,4-Dioxane	0.008	0.008	0.0	132	0.00
46	Methyl methacrylate	0.445	0.409	8.1	117	0.00
47	n-amyl Acetate	0.822	0.754	8.3	118	0.00
48 M	t-1,3-Dichloropropene	0.657	0.630	4.1	123	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086528.D
 Acq On : 07 May 2025 11:01
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 08 03:24:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.693	0.675	2.6	125	0.00
50 M	1,1,2-Trichloroethane	0.388	0.403	-3.9	129	0.00
51	Ethyl methacrylate	0.676	0.645	4.6	122	0.00
52	1,3-Dichloropropane	0.686	0.687	-0.1	126	0.00
53 M	Dibromochloromethane	0.436	0.452	-3.7	132	0.00
54 M	1,2-Dibromoethane	0.395	0.407	-3.0	130	0.00
55 M	2-Chloroethyl vinyl ether	0.318	0.221	30.5#	88	0.00
56 M	Bromoform	0.283	0.291	-2.8	130	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	122	0.00
58 M	4-Methyl-2-Pentanone	0.581	0.545	6.2	117	0.00
59 M	2-Hexanone	0.428	0.396	7.5	115	0.00
60 S	4-Bromofluorobenzene	0.590	0.568	3.7	120	0.00
61 M	Tetrachloroethene	0.458	0.507	-10.7	143	0.00
62 M	Toluene	2.008	2.038	-1.5	127	0.00
63 S	Toluene-d8	1.650	1.615	2.1	119	0.00
64 M	Chlorobenzene	1.251	1.306	-4.4	131	0.00
65	1,1,1,2-Tetrachloroethane	0.418	0.446	-6.7	135	0.00
66 M	Ethyl Benzene	2.260	2.276	-0.7	127	0.00
67 M	m/p-Xylenes	0.858	0.880	-2.6	130	0.00
68 M	o-Xylene	0.840	0.865	-3.0	131	0.00
69 M	Styrene	1.423	1.408	1.1	127	0.00
70	Isopropylbenzene	2.096	2.140	-2.1	129	0.00
71 M	1,1,2,2-Tetrachloroethane	0.552	0.570	-3.3	123	0.00
72	1,2,3-Trichloropropane	0.481	0.474	1.5	124	0.00
73	Bromobenzene	0.482	0.521	-8.1	137	0.00
74	n-propylbenzene	2.491	2.464	1.1	127	0.00
75	2-Chlorotoluene	1.555	1.547	0.5	126	0.00
76	1,3,5-Trimethylbenzene	1.720	1.744	-1.4	130	0.00
77	t-1,4-Dichloro-2-butene	0.244	0.214	12.3	115	0.00
78	4-Chlorotoluene	1.555	1.523	2.1	129	0.00
79	tert-butylbenzene	1.473	1.510	-2.5	131	0.00
80	1,2,4-Trimethylbenzene	1.757	1.737	1.1	127	0.00
81	sec-Butylbenzene	2.103	2.071	1.5	129	0.00
82	p-Isopropyltoluene	1.759	1.738	1.2	132	0.00
83 M	1,3-Dichlorobenzene	0.911	0.914	-0.3	134	0.00
84 M	1,4-Dichlorobenzene	0.900	0.919	-2.1	136	0.00
85	n-Butylbenzene	1.570	1.461	6.9	126	0.00
86 T	Hexachloroethane	0.288	0.270	6.2	125	0.00
87 M	1,2-Dichlorobenzene	0.867	0.886	-2.2	135	0.00
88	1,2-Dibromo-3-Chloropropane	0.112	0.109	2.7	130	0.00
89	1,2,4-Trichlorobenzene	0.395	0.407	-3.0	143	0.00
90	Hexachlorobutadiene	0.159	0.170	-6.9	146	0.00
91 M	Naphthalene	1.414	1.370	3.1	134	0.00
92	1,2,3-Trichlorobenzene	0.395	0.407	-3.0	143	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086528.D
 Acq On : 07 May 2025 11:01
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 08 03:24:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	129	0.00
2 M	Dichlorodifluoromethane	20.000	20.930	-4.6	132	0.00
3 M	Chloromethane	20.000	17.756	11.2	116	0.00
4 M	Vinyl Chloride	20.000	18.289	8.6	118	0.00
5 M	Bromomethane	20.000	20.838	-4.2	132	0.00
6 M	Chloroethane	20.000	17.786	11.1	115	0.00
7 M	Trichlorofluoromethane	20.000	21.427	-7.1	135	0.00
8 T	Diethyl Ether	20.000	19.542	2.3	128	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.121	-5.6	136	0.00
10 M	1,1-Dichloroethene	20.000	19.918	0.4	129	0.00
11	Methyl Iodide	20.000	21.196	-6.0	138	0.00
12	Methyl Acetate	20.000	16.807	16.0	107	0.00
13 M	Acrolein	100.000	213.281	-113.3#	266	0.00
14 M	Acrylonitrile	100.000	94.393	5.6	122	0.00
15 M	Acetone	100.000	86.833	13.2	123	0.00
16 M	Carbon Disulfide	20.000	19.516	2.4	124	0.00
17	Allyl chloride	20.000	17.967	10.2	119	0.00
18 M	Methylene Chloride	20.000	20.176	-0.9	131	0.00
19 M	trans-1,2-Dichloroethene	20.000	19.985	0.1	131	0.00
20 T	Diisopropyl ether	20.000	17.936	10.3	118	0.00
21 M	1,1-Dichloroethane	20.000	18.982	5.1	124	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.029	-0.1	132	0.00
23 M	tert-Butyl Alcohol	100.000	100.991	-1.0	123	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.555	2.2	127	0.00
25 M	Chloroform	20.000	19.669	1.7	126	0.00
26	Cyclohexane	20.000	18.145	9.3	119	0.00
27 s	1,2-Dichloroethane-d4	30.000	27.738	7.5	116	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	123	0.00
29	1,1-Dichloropropene	20.000	20.126	-0.6	129	0.00
30 M	2-Butanone	100.000	92.932	7.1	118	0.00
31	2,2-Dichloropropane	20.000	19.893	0.5	126	0.00
32 M	1,1,1-Trichloroethane	20.000	20.604	-3.0	130	0.00
33 M	Carbon Tetrachloride	20.000	21.769	-8.8	137	0.00
34 M	Benzene	20.000	19.873	0.6	125	0.00
35	Methacrylonitrile	20.000	18.293	8.5	110	0.00
36 M	1,2-Dichloroethane	20.000	20.097	-0.5	126	0.00
37 M	Trichloroethene	20.000	21.077	-5.4	137	0.00
38	Methylcyclohexane	20.000	20.184	-0.9	128	0.00
39 M	1,2-Dichloropropane	20.000	19.015	4.9	121	0.00
40	Dibromomethane	20.000	20.552	-2.8	129	0.00
41 M	Bromodichloromethane	20.000	20.085	-0.4	127	0.00
42 M	Vinyl Acetate	100.000	98.527	1.5	122	0.00
43	Ethyl Acetate	20.000	19.036	4.8	125	0.00
44	Isopropyl Acetate	20.000	18.650	6.8	118	0.00
45 T	1,4-Dioxane	400.000	437.588	-9.4	132	0.00
46	Methyl methacrylate	20.000	18.395	8.0	117	0.00
47	n-amyl Acetate	20.000	18.363	8.2	118	0.00
48 M	t-1,3-Dichloropropene	20.000	19.166	4.2	123	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086528.D
 Acq On : 07 May 2025 11:01
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC020

Quant Time: May 08 03:24:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.471	2.6	125	0.00
50 M	1,1,2-Trichloroethane	20.000	20.761	-3.8	129	0.00
51	Ethyl methacrylate	20.000	19.070	4.6	122	0.00
52	1,3-Dichloropropane	20.000	20.017	-0.1	126	0.00
53 M	Dibromochloromethane	20.000	20.736	-3.7	132	0.00
54 M	1,2-Dibromoethane	20.000	20.630	-3.1	130	0.00
55 M	2-Chloroethyl vinyl ether	100.000	69.532	30.5#	88	0.00
56 M	Bromoform	20.000	20.611	-3.1	130	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	122	0.00
58 M	4-Methyl-2-Pentanone	100.000	93.925	6.1	117	0.00
59 M	2-Hexanone	100.000	92.531	7.5	115	0.00
60 S	4-Bromofluorobenzene	30.000	28.875	3.8	120	0.00
61 M	Tetrachloroethene	20.000	22.153	-10.8	143	0.00
62 M	Toluene	20.000	20.296	-1.5	127	0.00
63 S	Toluene-d8	30.000	29.351	2.2	119	0.00
64 M	Chlorobenzene	20.000	20.876	-4.4	131	0.00
65	1,1,1,2-Tetrachloroethane	20.000	21.324	-6.6	135	0.00
66 M	Ethyl Benzene	20.000	20.138	-0.7	127	0.00
67 M	m/p-Xylenes	40.000	41.060	-2.7	130	0.00
68 M	o-Xylene	20.000	20.605	-3.0	131	0.00
69 M	Styrene	20.000	19.789	1.1	127	0.00
70	Isopropylbenzene	20.000	20.414	-2.1	129	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.664	-3.3	123	0.00
72	1,2,3-Trichloropropane	20.000	19.692	1.5	124	0.00
73	Bromobenzene	20.000	21.635	-8.2	137	0.00
74	n-propylbenzene	20.000	19.787	1.1	127	0.00
75	2-Chlorotoluene	20.000	19.899	0.5	126	0.00
76	1,3,5-Trimethylbenzene	20.000	20.275	-1.4	130	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.545	12.3	115	0.00
78	4-Chlorotoluene	20.000	19.596	2.0	129	0.00
79	tert-butylbenzene	20.000	20.505	-2.5	131	0.00
80	1,2,4-Trimethylbenzene	20.000	19.772	1.1	127	0.00
81	sec-Butylbenzene	20.000	19.696	1.5	129	0.00
82	p-Isopropyltoluene	20.000	19.762	1.2	132	0.00
83 M	1,3-Dichlorobenzene	20.000	20.067	-0.3	134	0.00
84 M	1,4-Dichlorobenzene	20.000	20.416	-2.1	136	0.00
85	n-Butylbenzene	20.000	18.609	7.0	126	0.00
86 T	Hexachloroethane	20.000	18.778	6.1	125	0.00
87 M	1,2-Dichlorobenzene	20.000	20.439	-2.2	135	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.407	3.0	130	0.00
89	1,2,4-Trichlorobenzene	20.000	20.589	-2.9	143	0.00
90	Hexachlorobutadiene	20.000	21.397	-7.0	146	0.00
91 M	Naphthalene	20.000	19.374	3.1	134	0.00
92	1,2,3-Trichlorobenzene	20.000	20.589	-2.9	143	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



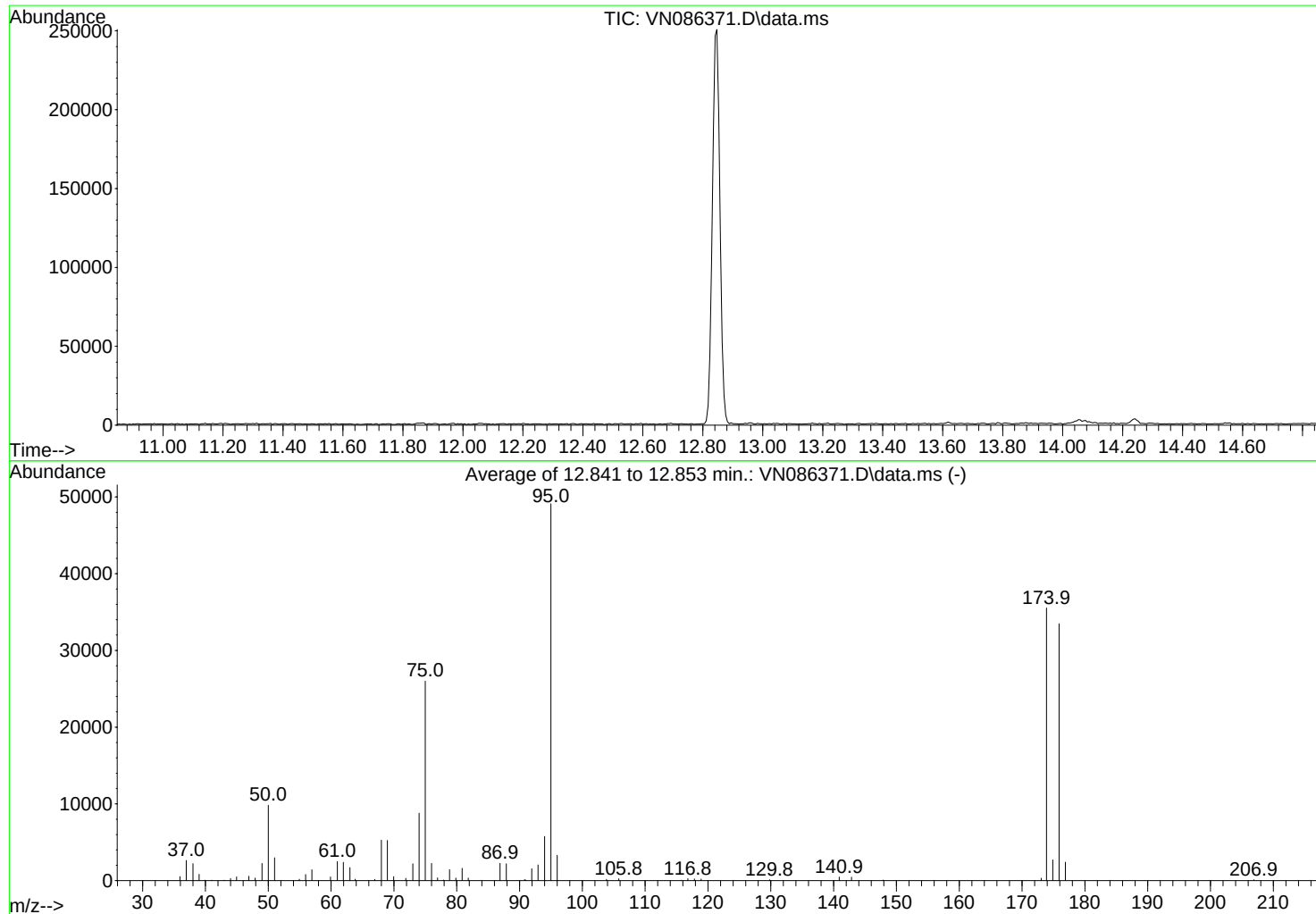
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086371.D
Acq On : 23 Apr 2025 08:43
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu Apr 24 04:42:24 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1844

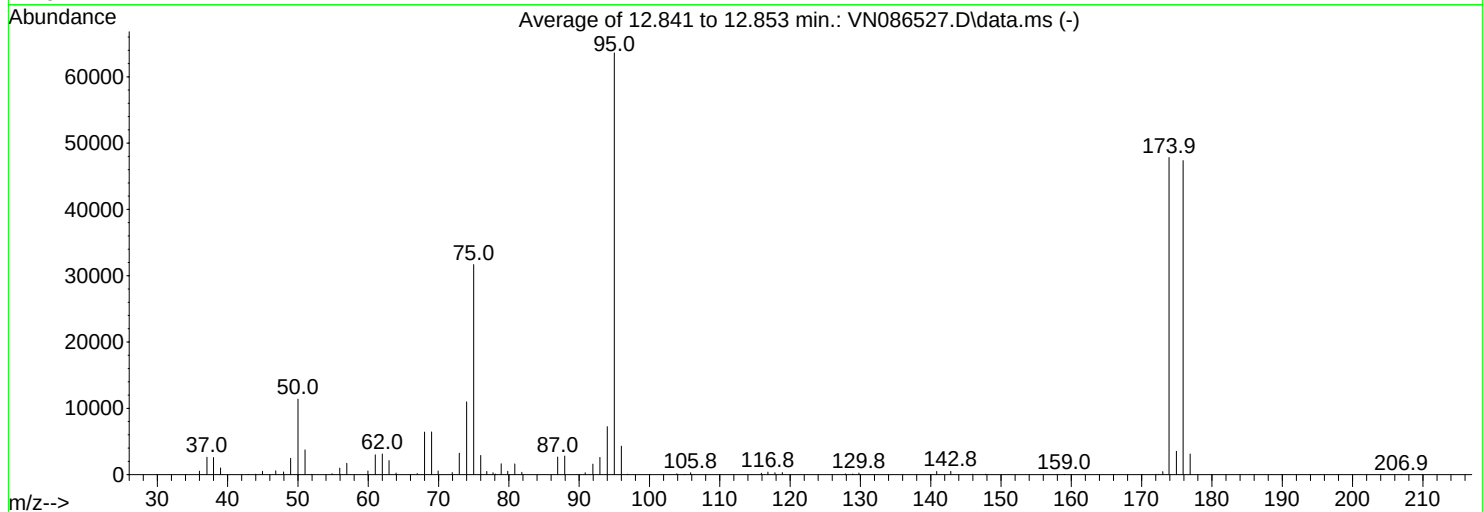
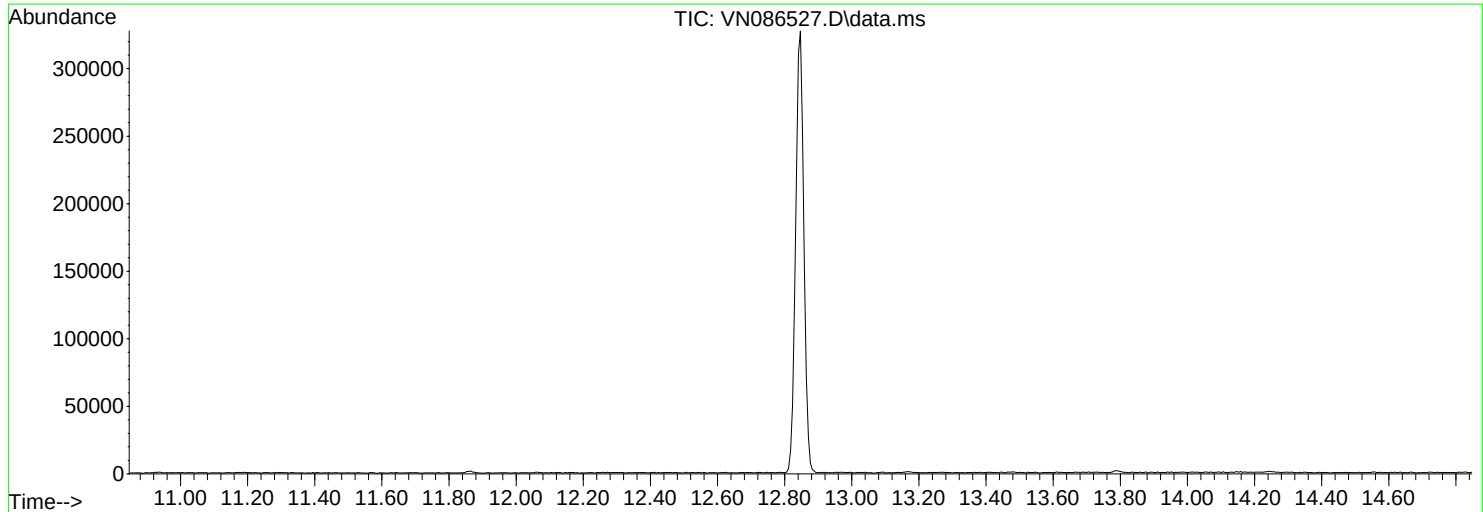
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	9823	PASS
75	95	30	60	53.0	26013	PASS
95	95	100	100	100.0	49115	PASS
96	95	5	9	6.7	3299	PASS
173	174	0.00	2	0.9	324	PASS
174	95	50	100	72.3	35525	PASS
175	174	5	9	7.6	2695	PASS
176	174	95	101	94.3	33483	FAIL*
177	176	5	9	7.2	2405	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
Data File : VN086527.D
Acq On : 07 May 2025 09:47
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu Apr 24 04:42:24 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	17.9	11383	PASS
75	95	30	60	49.8	31680	PASS
95	95	100	100	100.0	63613	PASS
96	95	5	9	6.7	4284	PASS
173	174	0.00	2	0.9	449	PASS
174	95	50	100	75.2	47827	PASS
175	174	5	9	7.4	3519	PASS
176	174	95	101	99.0	47363	PASS
177	176	5	9	6.6	3114	PASS

Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	
Project:	Transfer Station-SPDES	Date Received:	
Client Sample ID:	VN0507WBL01	SDG No.:	Q1949
Lab Sample ID:	VN0507WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086531.D	1		05/07/25 12:45	VN050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.2		91 - 110	94%	SPK: 30
2037-26-5	Toluene-d8	29.6		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	26.4		63 - 112	88%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	36500	7.812			
540-36-3	1,4-Difluorobenzene	217000	9.094			
3114-55-4	Chlorobenzene-d5	188000	11.865			

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\VN050725\
Data File : VN086531.D
Acq On : 07 May 2025 12:45
Operator : JC\MD
Sample : VN0507WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

Quant Time: May 08 03:25:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	36489	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	216920	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	188358	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	99317	28.231	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.100%
60) 4-Bromofluorobenzene	12.847	95	97805	26.419	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.067%
63) Toluene-d8	10.565	98	306756	29.603	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.667%

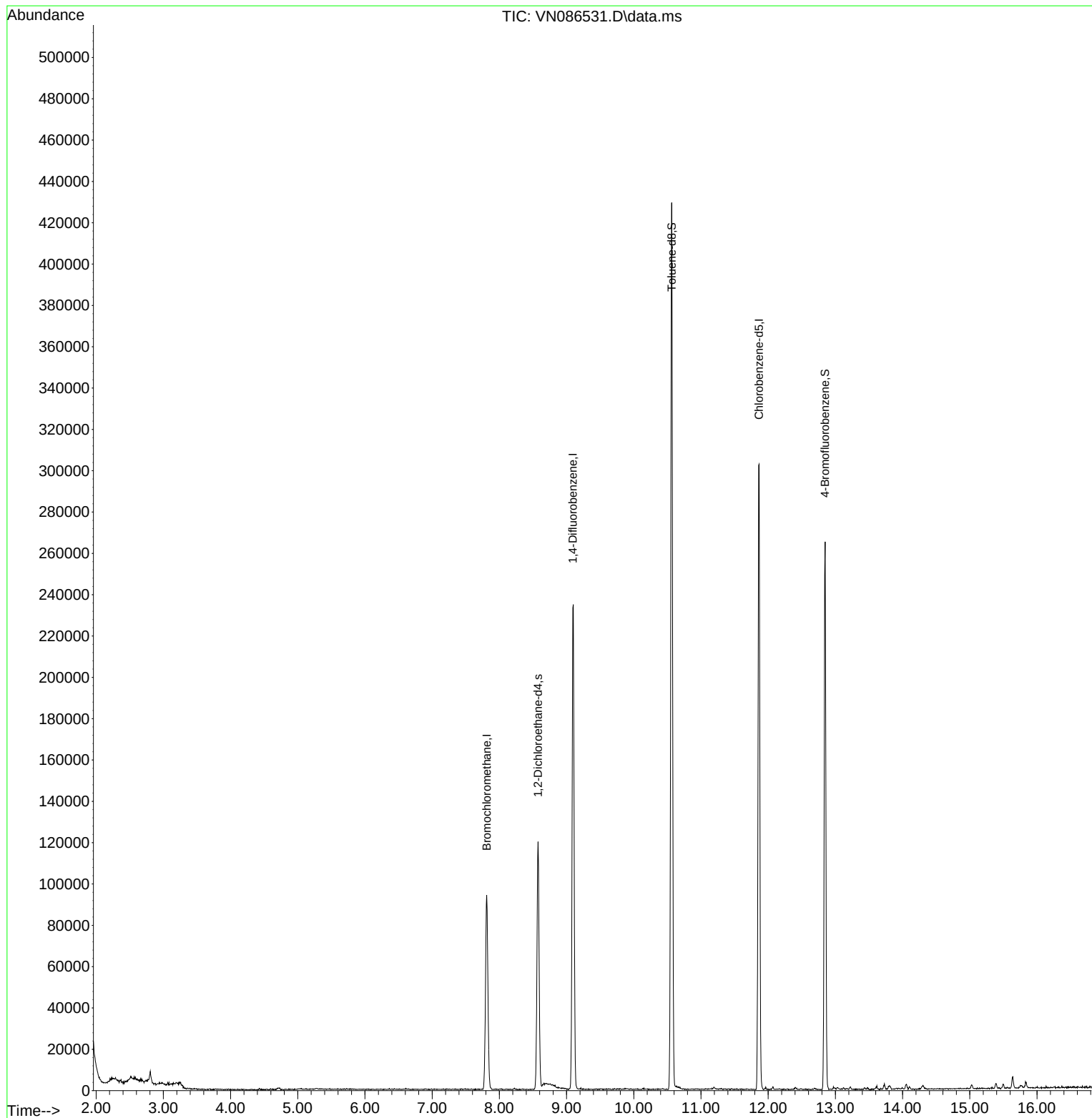
Target Compounds	Qvalue

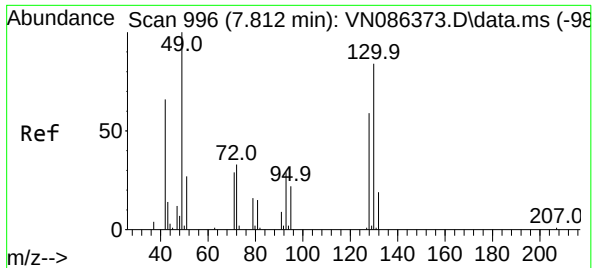
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
Data File : VN086531.D
Acq On : 07 May 2025 12:45
Operator : JC\MD
Sample : VN0507WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

Quant Time: May 08 03:25:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

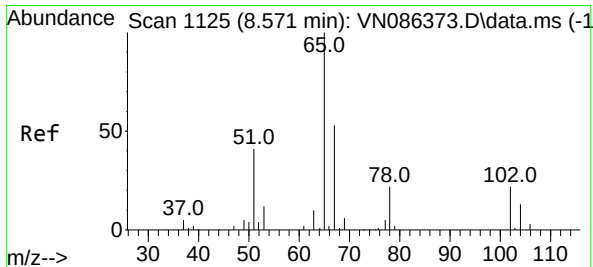
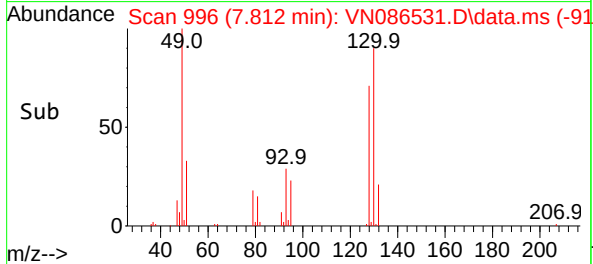
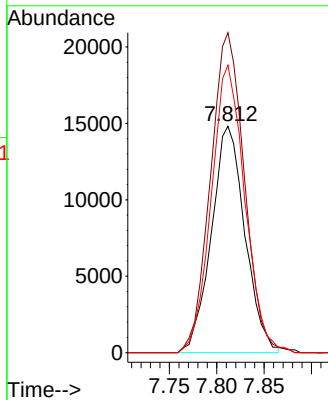
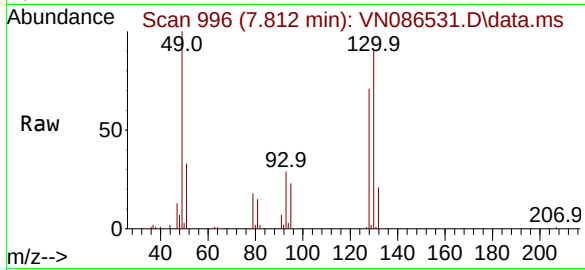




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

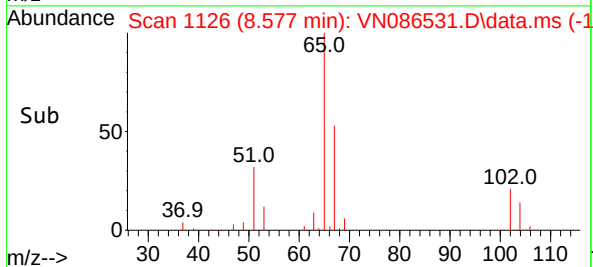
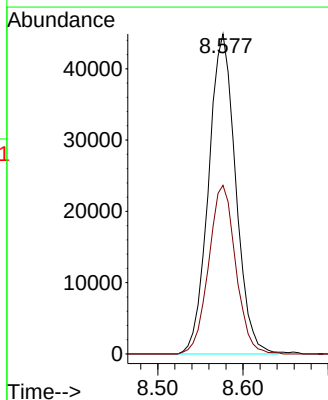
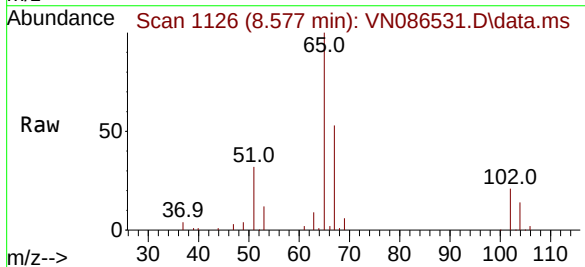
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

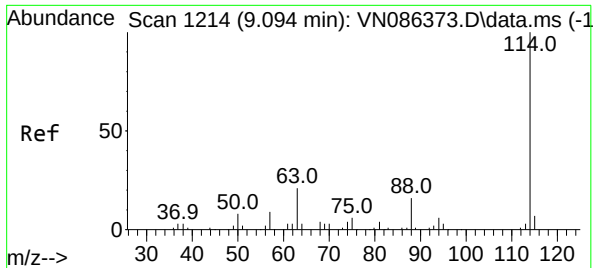
Tgt Ion	Ratio	Lower	Upper
128	100		
49	142.7	0.0	433.8
130	127.2	0.0	325.0



#27
1,2-Dichloroethane-d4
Concen: 28.231 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.4	42.5	63.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086531.D

Acq: 07 May 2025 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBL01

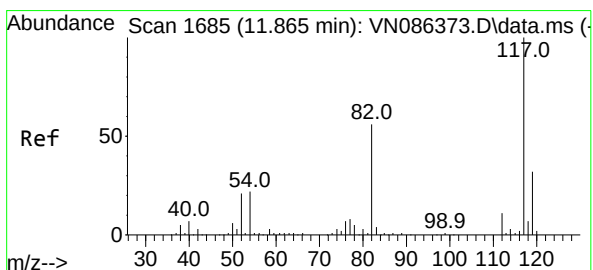
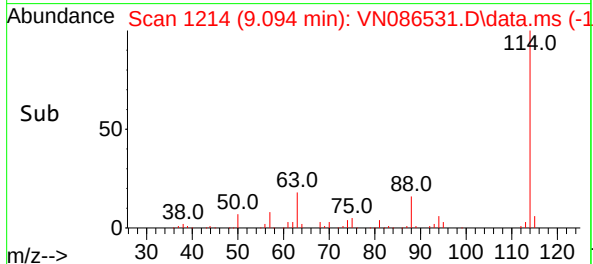
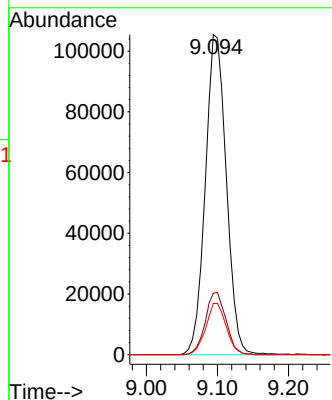
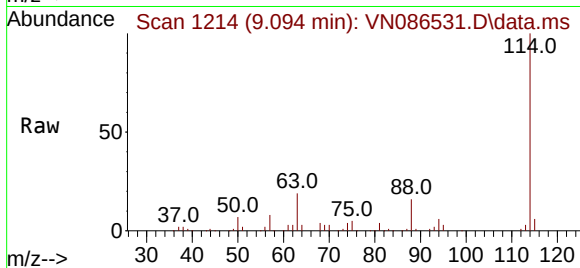
Tgt Ion:114 Resp: 216920

Ion Ratio Lower Upper

114 100

63 19.1 16.7 25.1

88 15.6 12.6 19.0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN086531.D

Acq: 07 May 2025 12:45

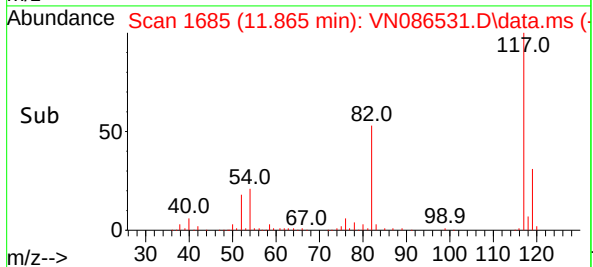
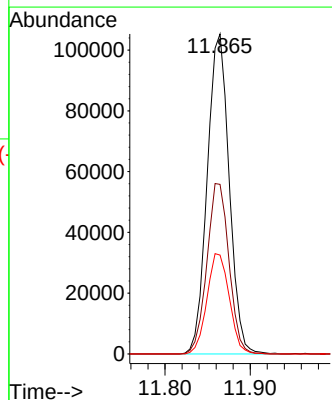
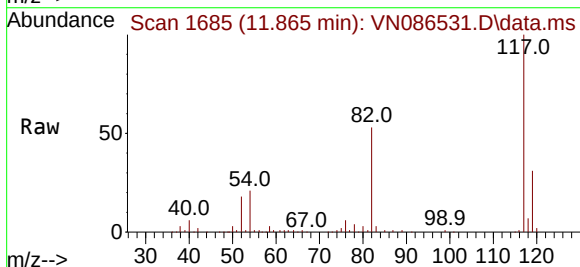
Tgt Ion:117 Resp: 188358

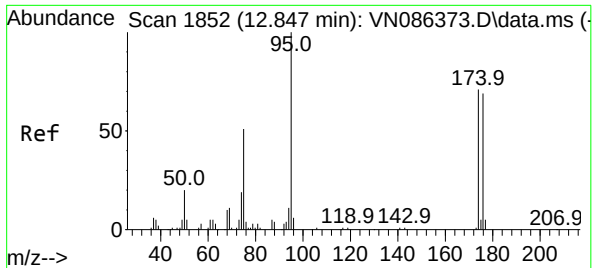
Ion Ratio Lower Upper

117 100

82 53.6 45.5 68.3

119 31.9 25.9 38.9

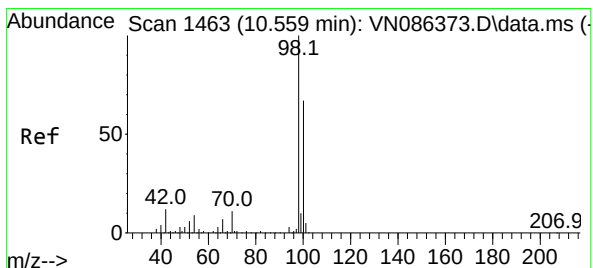
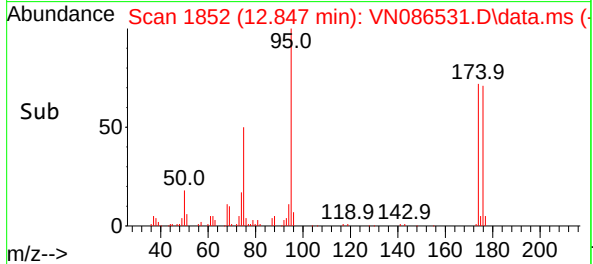
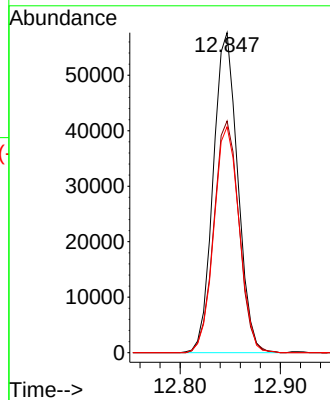
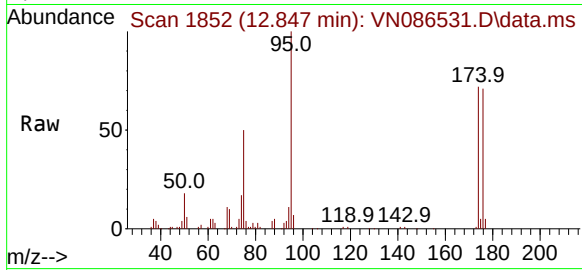




#60
4-Bromofluorobenzene
Concen: 26.419 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

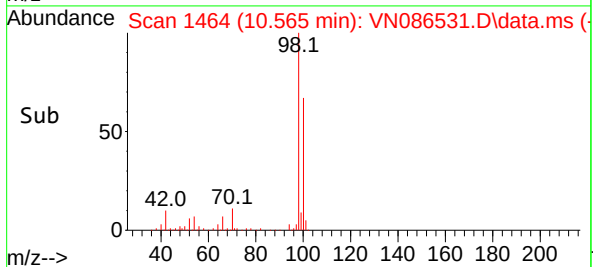
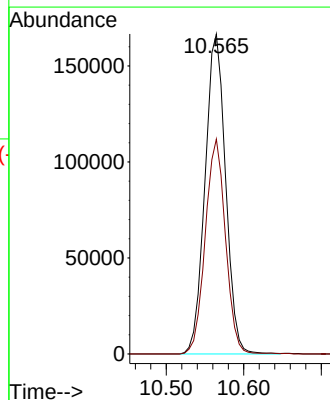
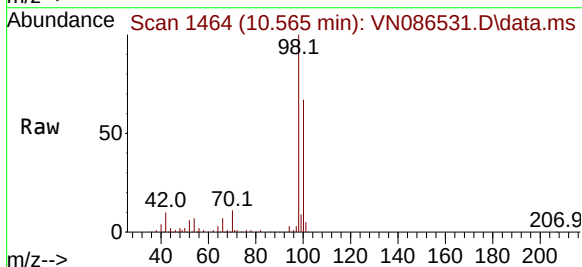
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBL01

Tgt Ion:	95	Resp:	97805
Ion Ratio	Lower	Upper	
95	100		
174	74.5	56.6	84.8
176	73.1	53.3	79.9



#63
Toluene-d8
Concen: 29.603 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086531.D
Acq: 07 May 2025 12:45

Tgt Ion:	98	Resp:	306756
Ion Ratio	Lower	Upper	
98	100		
100	65.9	53.1	79.7



Report of Analysis

Client:	Tully Environmental, Inc			Date Collected:			
Project:	Transfer Station-SPDES			Date Received:			
Client Sample ID:	VN0507WBS01			SDG No.:	Q1949		
Lab Sample ID:	VN0507WBS01			Matrix:	Water		
Analytical Method:	E624.1			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:	uL			Test:	VOC-BTEX		
GC Column:	RXI-624	ID :	0.25	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086529.D	1		05/07/25 11:38	VN050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	19.6		0.45	5.00	ug/L
108-88-3	Toluene	20.5		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	40.5		1.30	10.0	ug/L
95-47-6	o-Xylene	20.3		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.2		91 - 110	94%	SPK: 30
2037-26-5	Toluene-d8	29.4		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.2		63 - 112	94%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	35200	7.812			
540-36-3	1,4-Difluorobenzene	208000	9.1			
3114-55-4	Chlorobenzene-d5	190000	11.865			

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\VN050725\
 Data File : VN086529.D
 Acq On : 07 May 2025 11:38
 Operator : JC\MD
 Sample : VN0507WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

Quant Time: May 08 03:24:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	35227	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	207904	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	189799	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	95686	28.173	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.900%		
60) 4-Bromofluorobenzene	12.847	95	105269	28.220	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	94.067%		
63) Toluene-d8	10.565	98	306966	29.398	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	49693	20.433	ug/l	100
3) Chloromethane	2.360	50	61410	17.776	ug/l	98
4) Vinyl Chloride	2.512	62	59994	18.132	ug/l	100
5) Bromomethane	2.965	94	35421	20.505	ug/l	100
6) Chloroethane	3.124	64	39632	17.967	ug/l	95
7) Trichlorofluoromethane	3.501	101	85177	21.809	ug/l	100
8) Diethyl Ether	3.959	74	32787	19.888	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	51857	21.598	ug/l	99
10) 1,1-Dichloroethene	4.348	96	50156	20.409	ug/l	93
11) Methyl Iodide	4.589	142	61346	21.334	ug/l	94
12) Methyl Acetate	5.018	43	59835	17.178	ug/l	97
13) Acrolein	4.177	56	19913	124.053	ug/l	98
14) Acrylonitrile	5.718	53	123799	95.493	ug/l	99
15) Acetone	4.424	58	31547	88.309	ug/l	87
16) Carbon Disulfide	4.712	76	128162	19.791	ug/l	96
17) Allyl chloride	5.024	41	73712	18.758	ug/l	93
18) Methylene Chloride	5.277	84	56521	20.196	ug/l	94
19) trans-1,2-Dichloroethene	5.783	96	53643	20.479	ug/l	94
20) Diisopropyl ether	6.671	45	170573	18.256	ug/l	96
21) 1,1-Dichloroethane	6.565	63	98864	19.331	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	66113	20.185	ug/l	93
23) tert-Butyl Alcohol	5.512	59	51585	102.716	ug/l #	15
24) Methyl tert-Butyl Ether	5.795	73	180212	19.847	ug/l	98
25) Chloroform	7.965	83	102100	19.725	ug/l	97
26) Cyclohexane	8.253	56	82419	18.251	ug/l #	94
29) 1,1-Dichloropropene	8.365	75	72698	19.835	ug/l	98
30) 2-Butanone	7.477	43	166883	93.809	ug/l	98
31) 2,2-Dichloropropane	7.483	77	93070	19.754	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	90682	20.705	ug/l	99
33) Carbon Tetrachloride	8.359	117	77346	21.452	ug/l	100
34) Benzene	8.600	78	228956	19.640	ug/l	98
35) Methacrylonitrile	7.777	41	36565	18.018	ug/l	97
36) 1,2-Dichloroethane	8.665	62	76770	20.284	ug/l	98
37) Trichloroethene	9.347	130	60401	20.697	ug/l	94
38) Methylcyclohexane	9.600	83	83891	19.818	ug/l	96
39) 1,2-Dichloropropane	9.618	63	54930	19.073	ug/l	95
40) Dibromomethane	9.706	93	38721	20.105	ug/l	90
41) Bromodichloromethane	9.883	83	81178	19.918	ug/l	98
42) Vinyl Acetate	6.600	43	609823	98.957	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086529.D
 Acq On : 07 May 2025 11:38
 Operator : JC\MD
 Sample : VN0507WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

Quant Time: May 08 03:24:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	61094	17.354	ug/l	99
44) Isopropyl Acetate	8.683	43	125550	18.790	ug/l	100
45) 1,4-Dioxane	9.688	88	22655	434.568	ug/l	91
46) Methyl methacrylate	9.677	41	56069	18.192	ug/l	98
47) n-amyl Acetate	12.488	43	99917	17.545	ug/l	100
48) t-1,3-Dichloropropene	10.830	75	87215	19.141	ug/l	97
49) cis-1,3-Dichloropropene	10.306	75	91912	19.128	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	55429	20.605	ug/l	98
51) Ethyl methacrylate	10.871	69	88826	18.959	ug/l	96
52) 1,3-Dichloropropane	11.159	76	93003	19.561	ug/l	99
53) Dibromochloromethane	11.353	129	61725	20.434	ug/l	99
54) 1,2-Dibromoethane	11.465	107	55476	20.282	ug/l	100
55) 2-Chloroethyl vinyl ether	10.153	63	183472	83.292	ug/l	97
56) Bromoform	12.577	173	40060	20.436	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	347579	94.634	ug/l	98
59) 2-Hexanone	11.194	43	250616	92.593	ug/l	98
61) Tetrachloroethene	11.100	164	63549	21.953	ug/l	97
62) Toluene	10.630	91	259875	20.456	ug/l	100
64) Chlorobenzene	11.888	112	165779	20.942	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	56045	21.174	ug/l	99
66) Ethyl Benzene	11.959	91	285109	19.937	ug/l	100
67) m/p-Xylenes	12.065	106	219872	40.523	ug/l	98
68) o-Xylene	12.394	106	107590	20.252	ug/l	95
69) Styrene	12.406	104	174917	19.425	ug/l	99
70) Isopropylbenzene	12.694	105	268091	20.216	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	72423	20.740	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	69523m	22.837	ug/l	
73) Bromobenzene	12.976	156	64061	21.011	ug/l	91
74) n-propylbenzene	13.029	91	308169	19.555	ug/l	98
75) 2-Chlorotoluene	13.124	91	192394	19.557	ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	215137	19.771	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	26911	17.418	ug/l	97
78) 4-Chlorotoluene	13.218	91	190763	19.394	ug/l	98
79) tert-butylbenzene	13.435	119	188339	20.210	ug/l	96
80) 1,2,4-Trimethylbenzene	13.476	105	218972	19.704	ug/l	97
81) sec-Butylbenzene	13.612	105	258052	19.398	ug/l	97
82) p-Isopropyltoluene	13.724	119	218867	19.662	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	117137	20.324	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	115464	20.277	ug/l	98
85) n-Butylbenzene	14.053	91	182415	18.366	ug/l	99
86) Hexachloroethane	14.329	117	34453	18.929	ug/l	96
87) 1,2-Dichlorobenzene	14.100	146	112682	20.548	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.712	75	13383	18.856	ug/l	94
89) 1,2,4-Trichlorobenzene	15.835	180	52162	20.870	ug/l	99
90) Hexachlorobutadiene	15.500	225	21757	21.611	ug/l	96
91) Naphthalene	15.635	128	176502	19.725	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	52162	20.870	ug/l	99

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

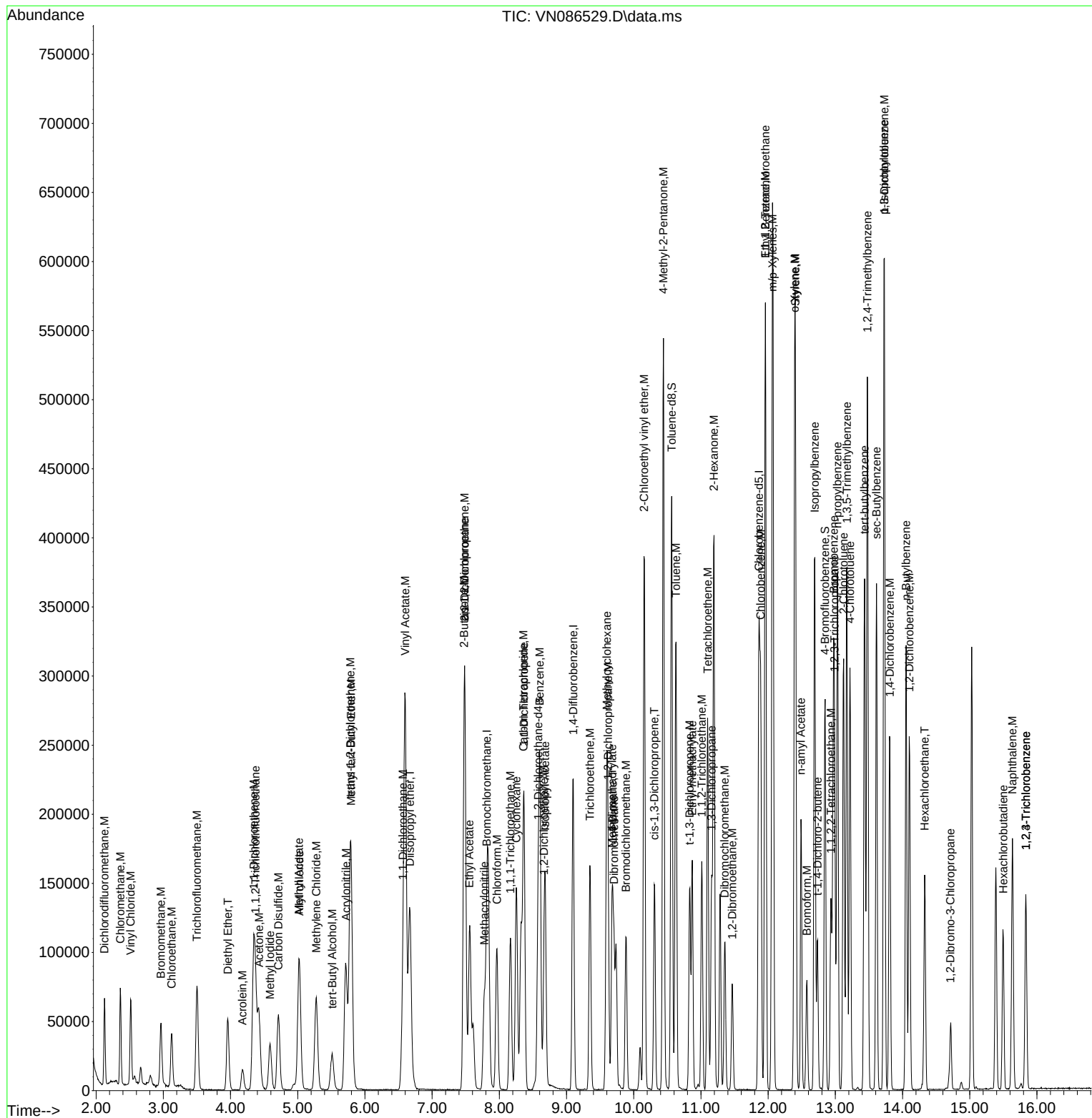
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 Acq On : 07 May 2025 11:38
 Operator : JC\MD
 Sample : VN0507WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

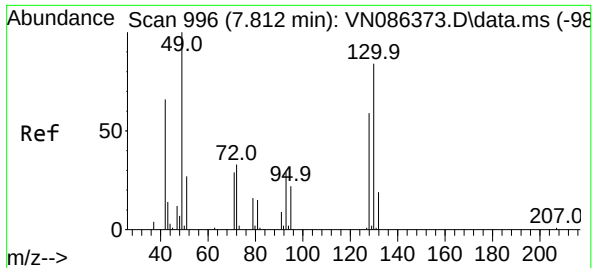
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

Quant Time: May 08 03:24:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration





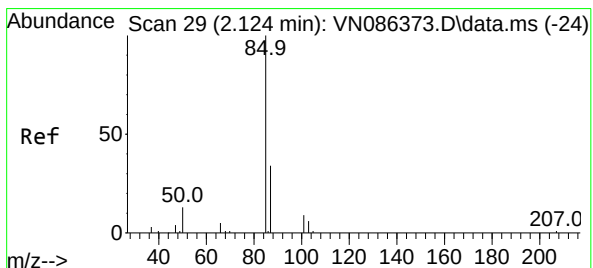
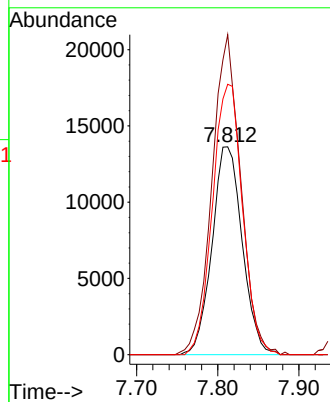
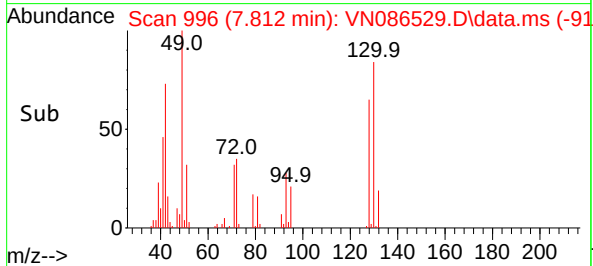
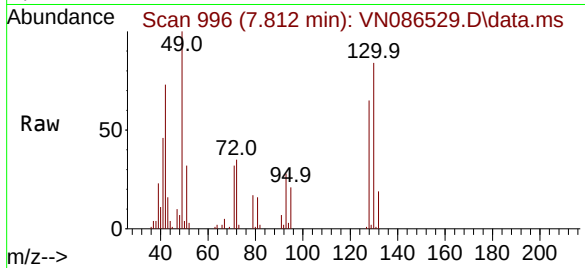
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
49	146.5	0.0	433.8
130	129.4	0.0	325.0

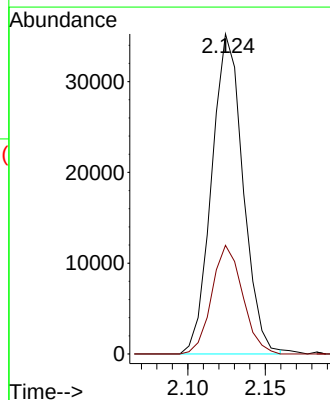
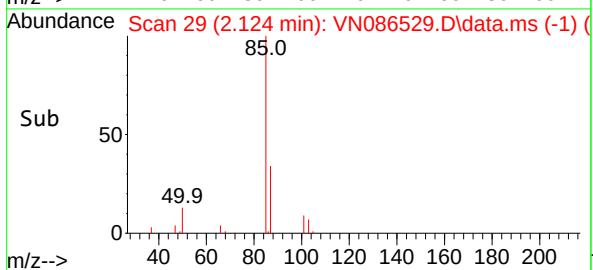
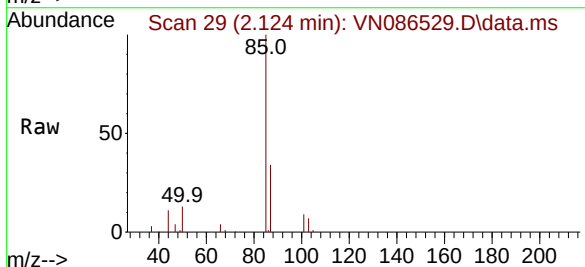
Manual Integrations
APPROVED

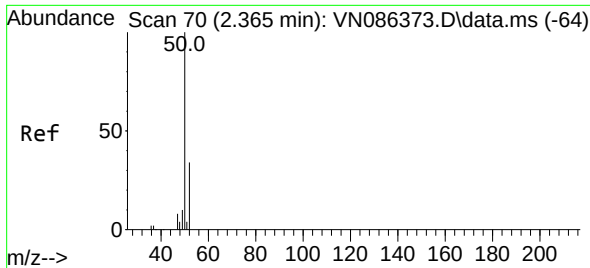
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#2
Dichlorodifluoromethane
Concen: 20.433 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

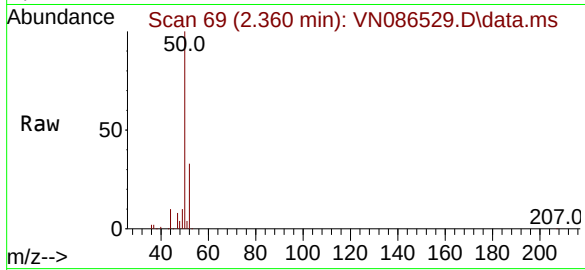
Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.0	17.0	50.9





#3
Chloromethane
Concen: 17.776 ug/l
RT: 2.360 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

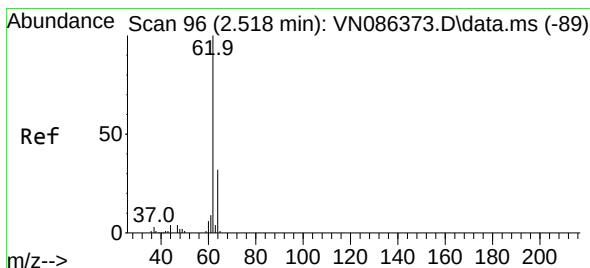
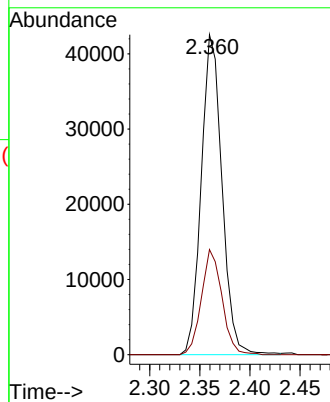
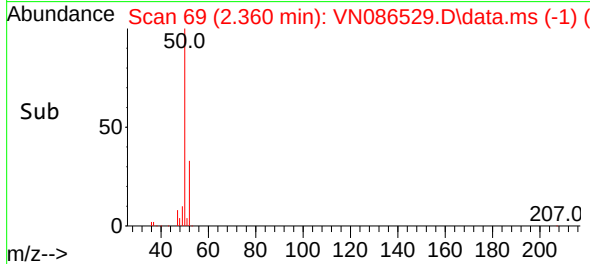
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



Tgt Ion: 50 Resp: 61410
Ion Ratio Lower Upper
50 100
52 32.8 27.3 40.9

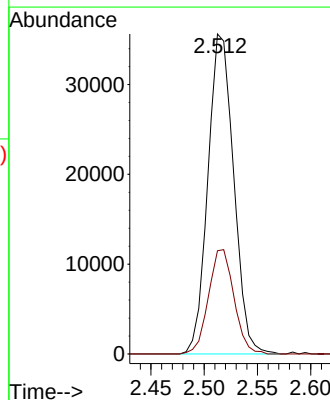
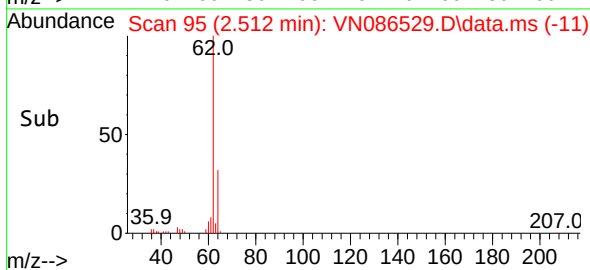
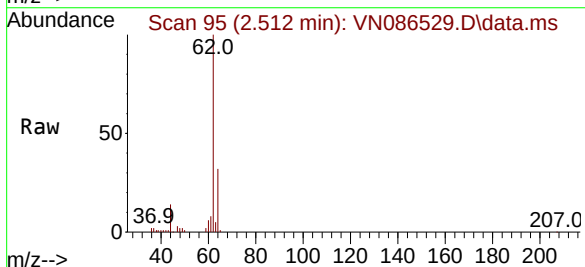
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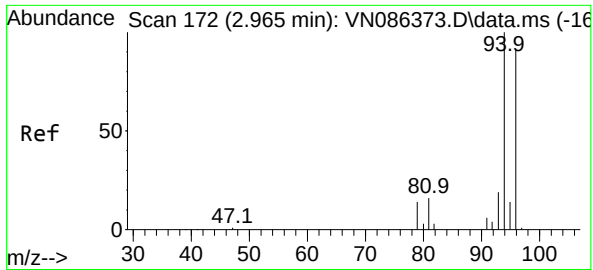
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#4
Vinyl Chloride
Concen: 18.132 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

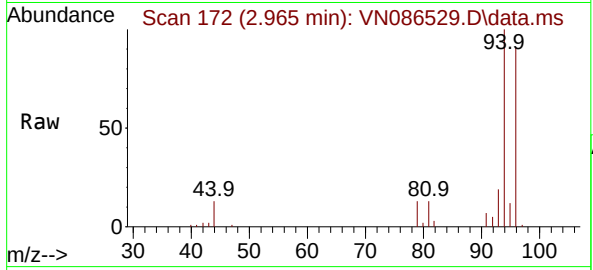
Tgt Ion: 62 Resp: 59994
Ion Ratio Lower Upper
62 100
64 32.2 25.8 38.8





#5
Bromomethane
Concen: 20.505 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

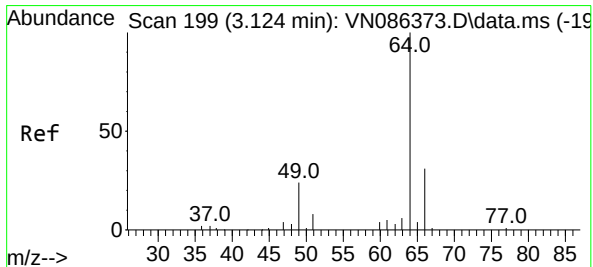
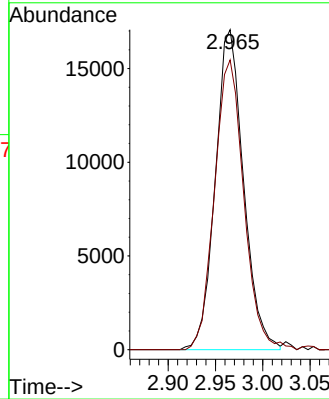
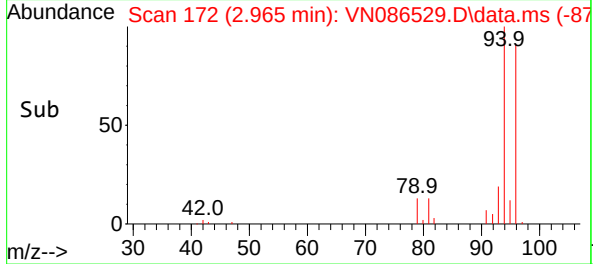
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



Tgt Ion: 94 Resp: 3542
Ion Ratio Lower Upper
94 100
96 90.6 72.4 108.6

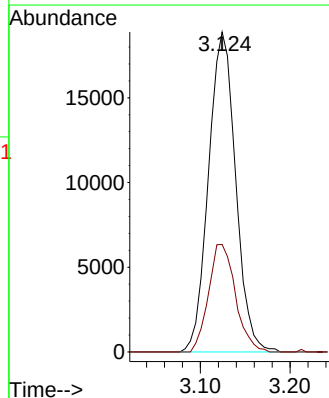
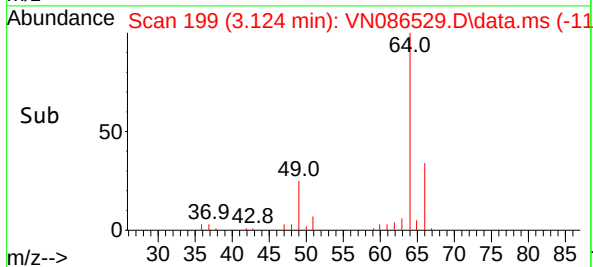
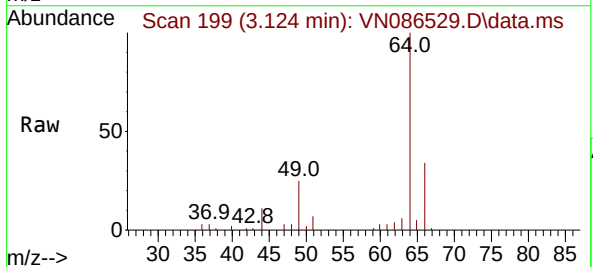
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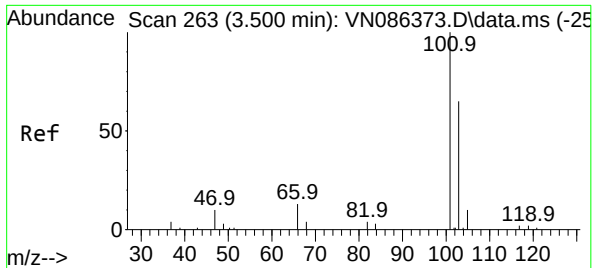
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#6
Chloroethane
Concen: 17.967 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

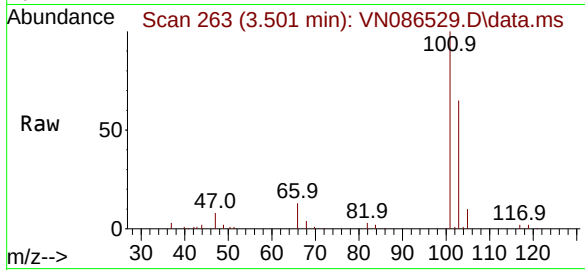
Tgt Ion: 64 Resp: 39632
Ion Ratio Lower Upper
64 100
66 33.6 24.5 36.7





#7
Trichlorofluoromethane
Concen: 21.809 ug/l
RT: 3.501 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

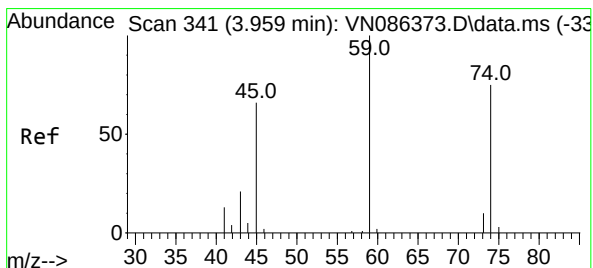
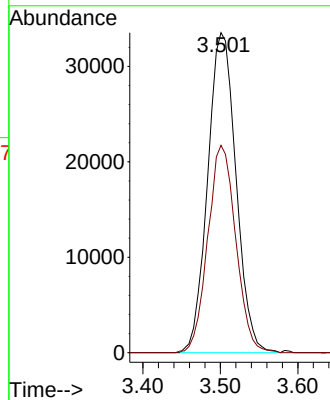
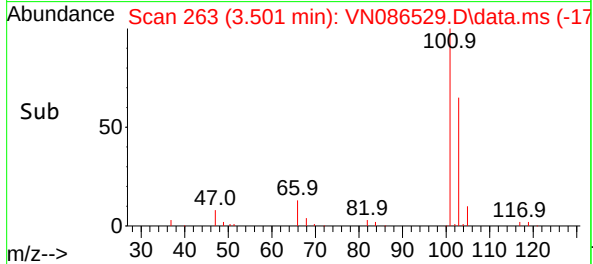
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



Tgt Ion:101 Resp: 8517
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.6

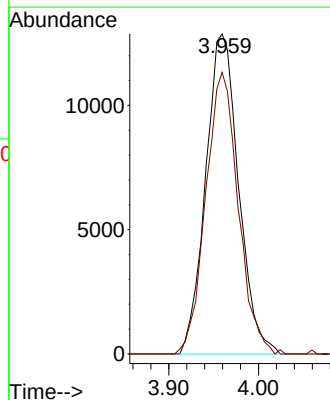
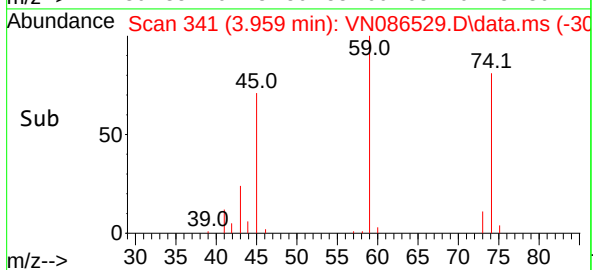
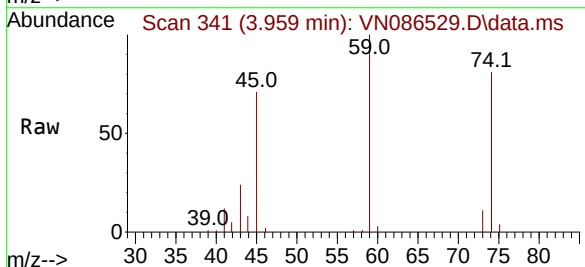
Manual Integrations
APPROVED

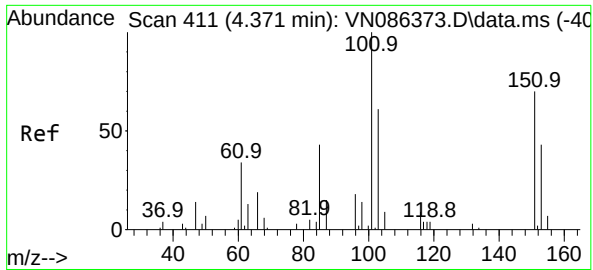
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#8
Diethyl Ether
Concen: 19.888 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion: 74 Resp: 32787
Ion Ratio Lower Upper
74 100
45 86.8 18.5 166.3





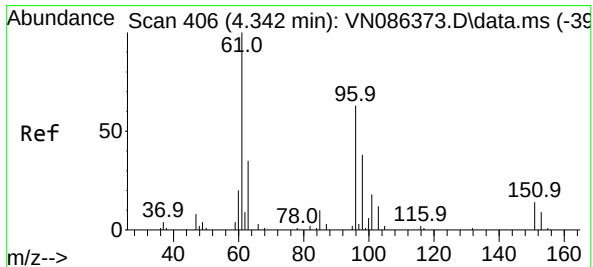
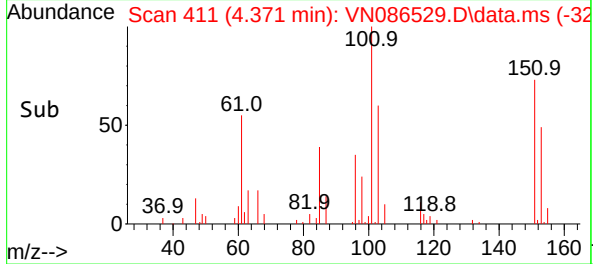
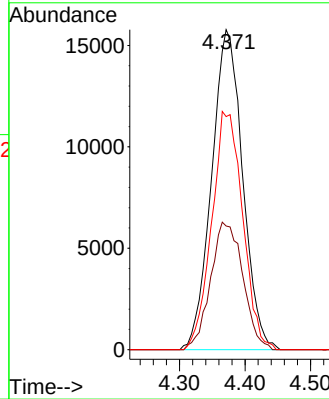
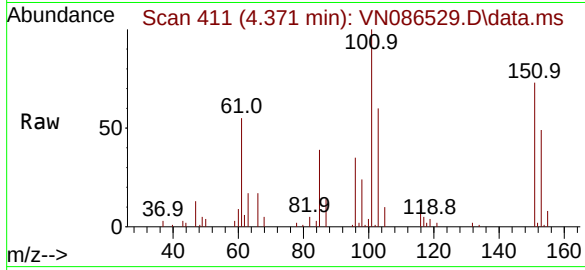
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.598 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion:101 Resp: 5185
Ion Ratio Lower Upper
101 100
85 41.4 0.0 84.4
151 74.2 0.0 145.8

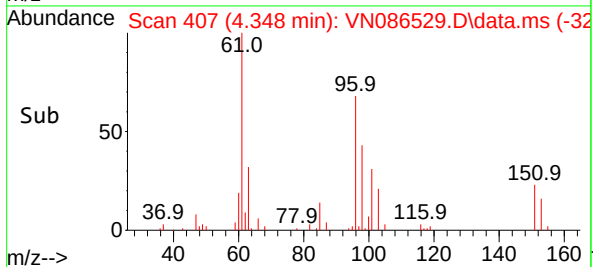
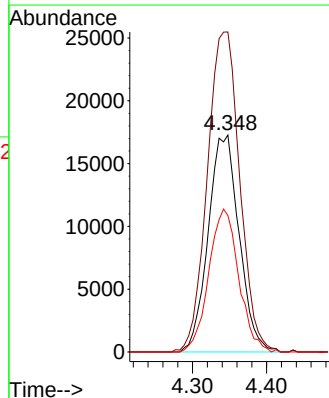
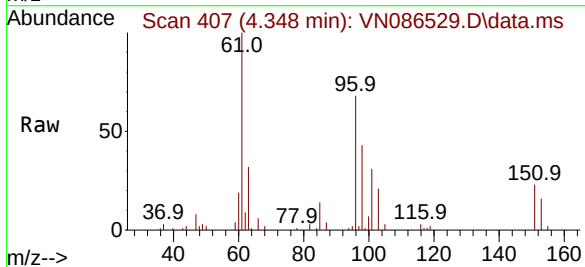
Manual Integrations
APPROVED

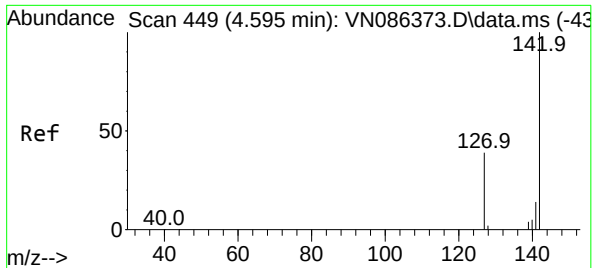
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#10
1,1-Dichloroethene
Concen: 20.409 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion: 96 Resp: 50156
Ion Ratio Lower Upper
96 100
61 147.5 126.2 189.4
98 62.9 48.5 72.7





#11

Methyl Iodide

Concen: 21.334 ug/l

RT: 4.589 min Scan# 449

Delta R.T. -0.006 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tgt Ion:142 Resp: 61340

Ion Ratio Lower Upper

142 100

127 43.5 19.3 57.9

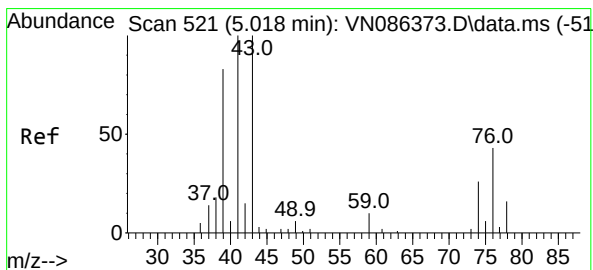
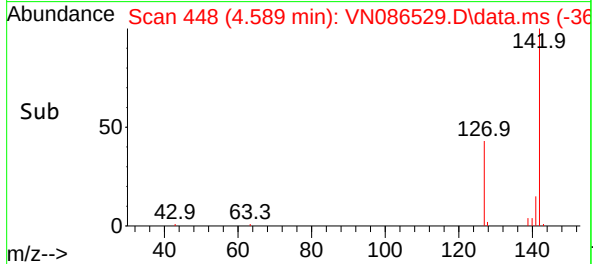
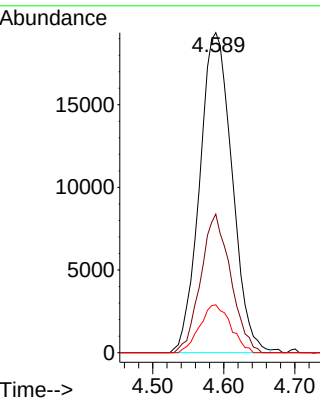
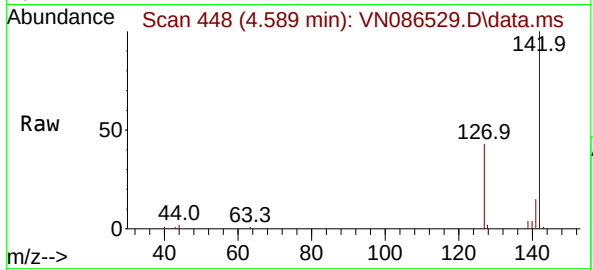
141 15.0 7.1 21.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#12

Methyl Acetate

Concen: 17.178 ug/l

RT: 5.018 min Scan# 521

Delta R.T. 0.000 min

Lab File: VN086529.D

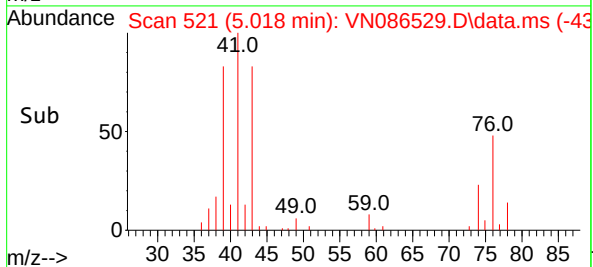
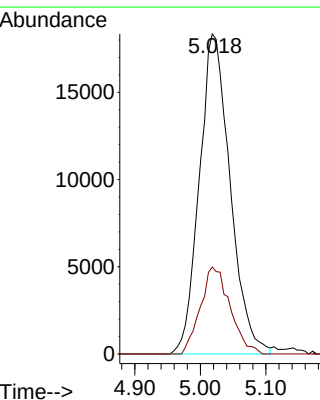
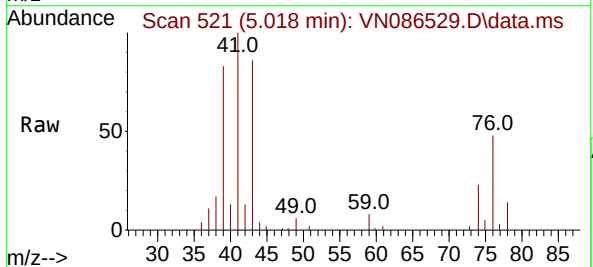
Acq: 07 May 2025 11:38

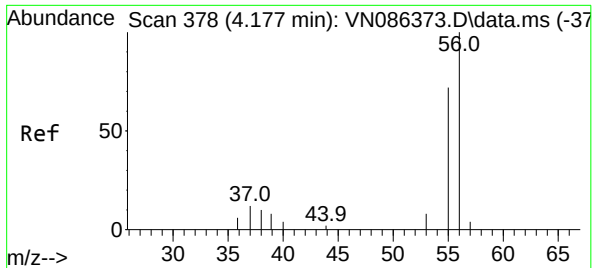
Tgt Ion: 43 Resp: 59835

Ion Ratio Lower Upper

43 100

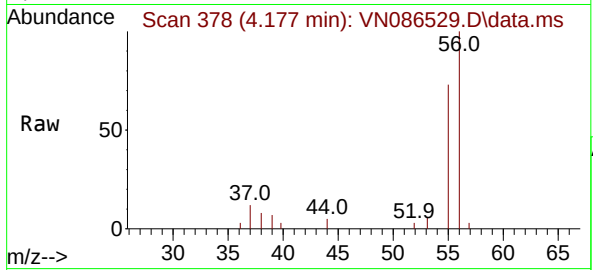
74 27.4 20.8 31.2





#13
Acrolein
Concen: 124.053 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

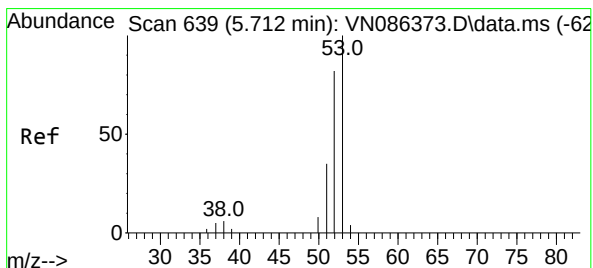
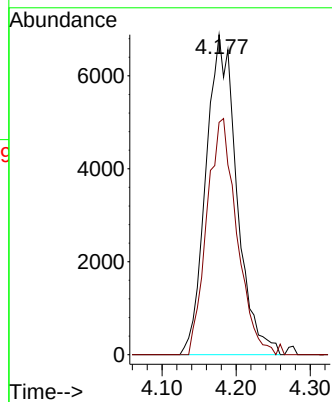
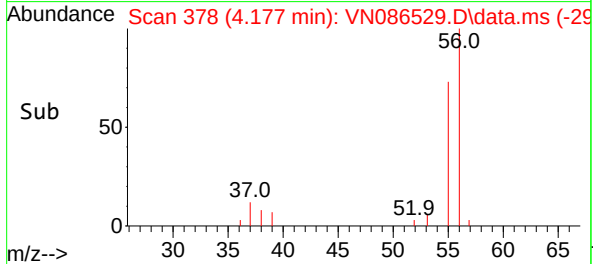
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



Tgt Ion: 56 Resp: 1991
Ion Ratio Lower Upper
56 100
55 71.6 56.1 84.1

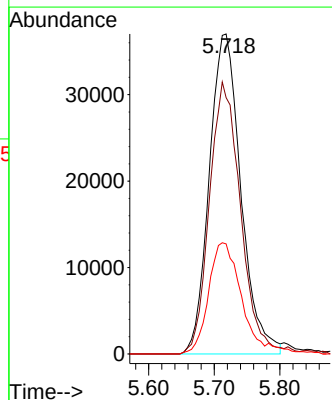
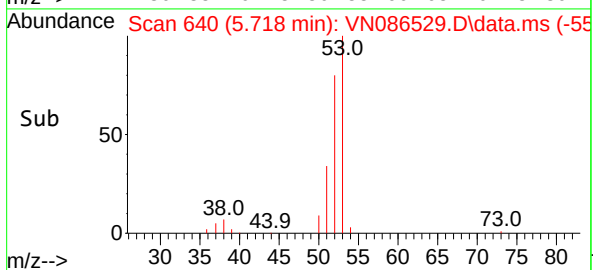
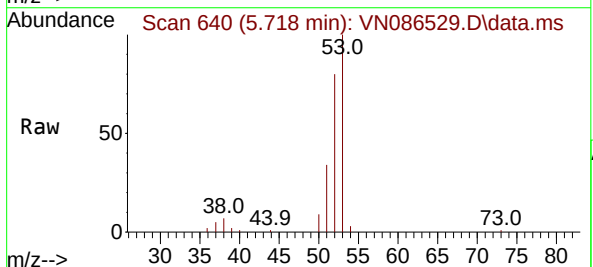
Manual Integrations
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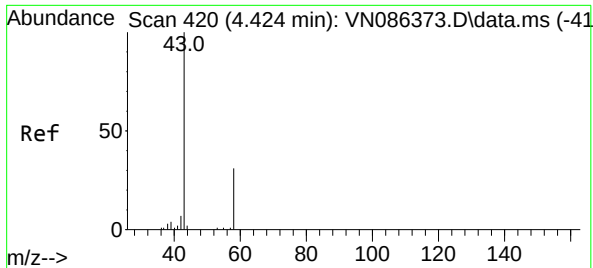
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#14
Acrylonitrile
Concen: 95.493 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

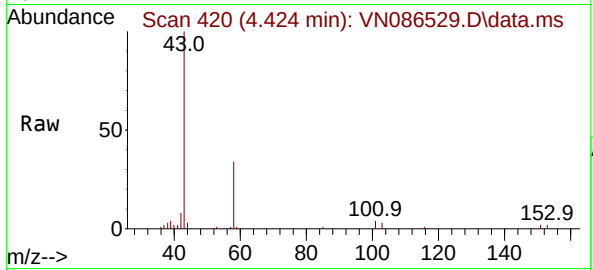
Tgt Ion: 53 Resp: 123799
Ion Ratio Lower Upper
53 100
52 83.4 41.2 123.6
51 35.0 17.6 52.8





#15
Acetone
Concen: 88.309 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

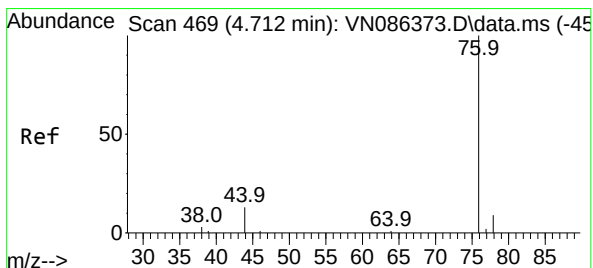
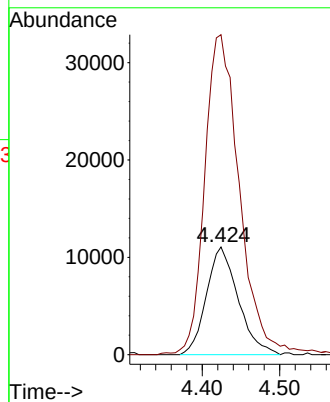
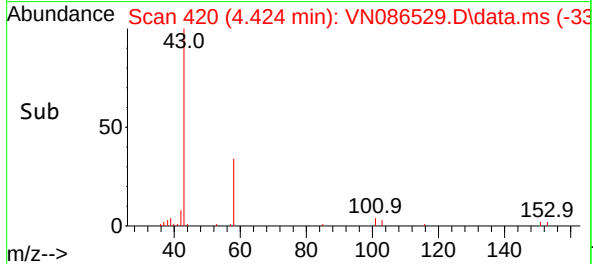
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



Tgt Ion: 58 Resp: 3154
Ion Ratio Lower Upper
58 100
43 292.4 255.1 382.7

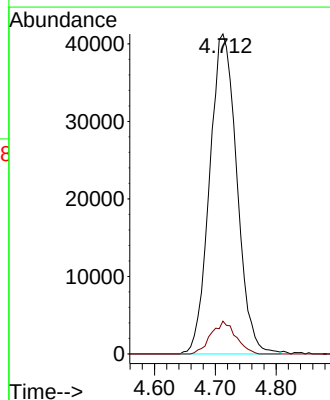
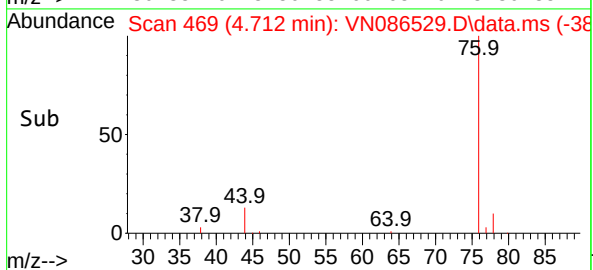
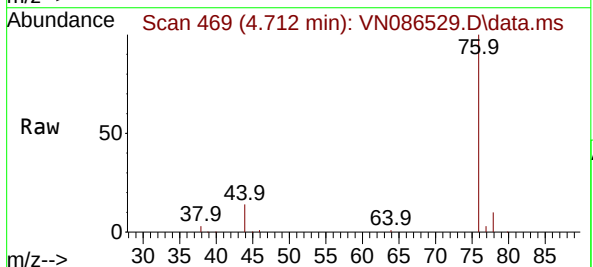
Manual Integrations
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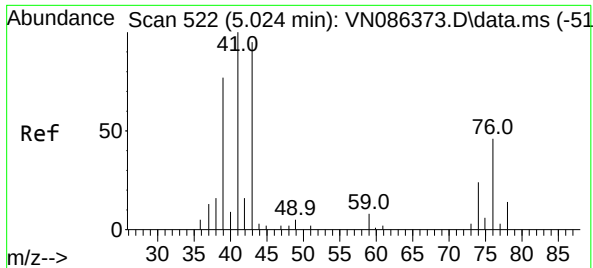
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#16
Carbon Disulfide
Concen: 19.791 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion: 76 Resp: 128162
Ion Ratio Lower Upper
76 100
78 10.3 7.1 10.7





#17

Allyl chloride

Concen: 18.758 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tgt Ion: 41 Resp: 7371

Ion Ratio Lower Upper

41 100

39 80.4 36.7 110.1

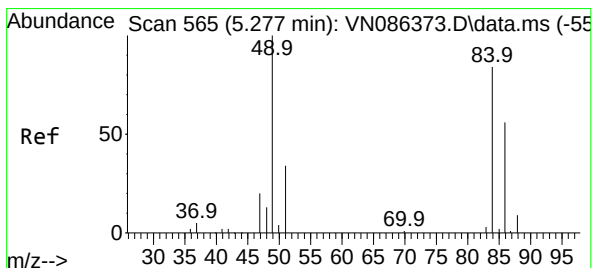
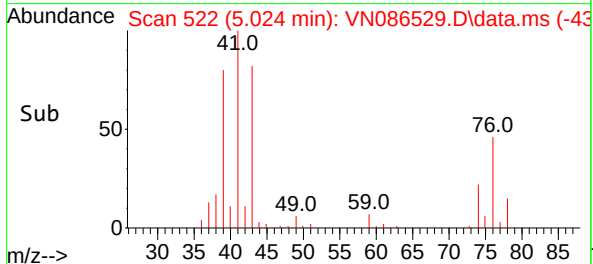
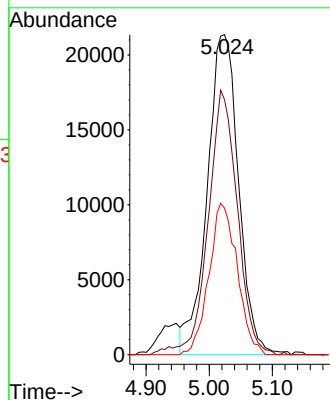
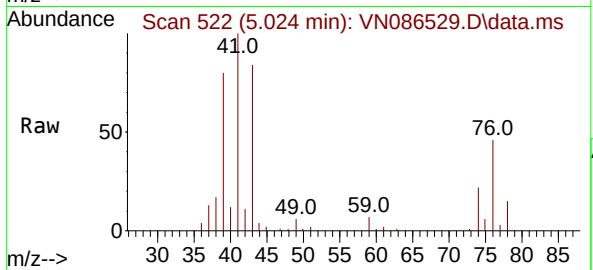
76 46.2 21.8 65.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#18

Methylene Chloride

Concen: 20.196 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Tgt Ion: 84 Resp: 56521

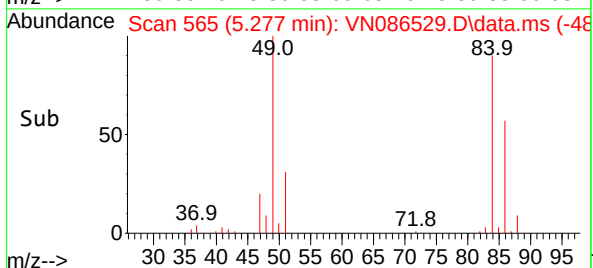
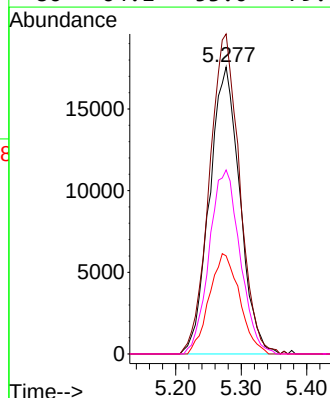
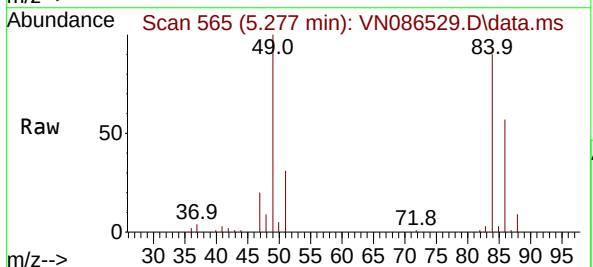
Ion Ratio Lower Upper

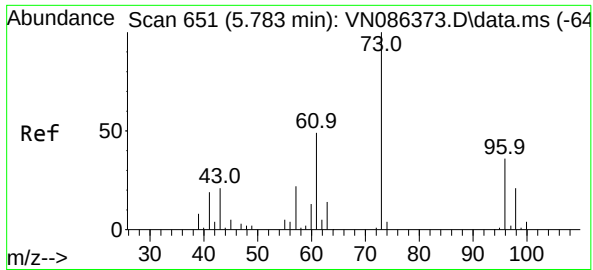
84 100

49 111.5 95.4 143.0

51 34.2 32.8 49.2

86 64.1 53.0 79.4





#19

trans-1,2-Dichloroethene

Concen: 20.479 ug/l

RT: 5.783 min Scan# 651

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tgt Ion: 96 Resp: 5364

Ion Ratio Lower Upper

96 100

61 127.6 107.3 160.9

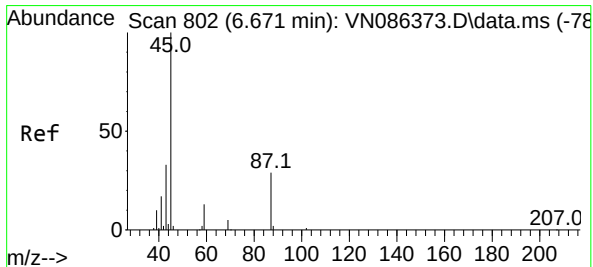
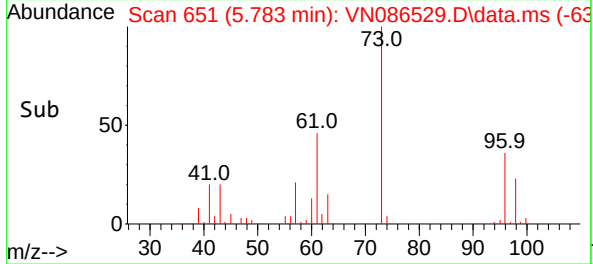
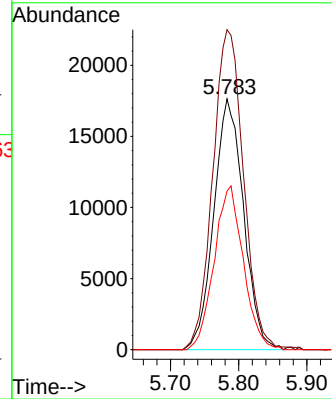
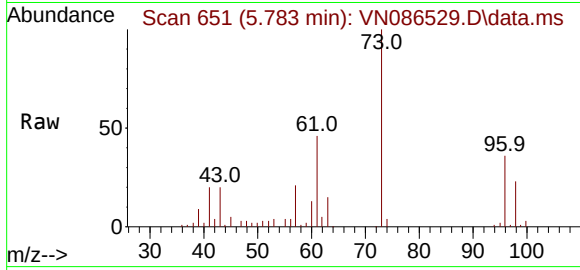
98 63.3 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#20

Diisopropyl ether

Concen: 18.256 ug/l

RT: 6.671 min Scan# 802

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Tgt Ion: 45 Resp: 170573

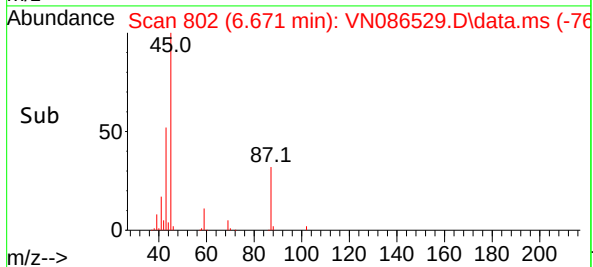
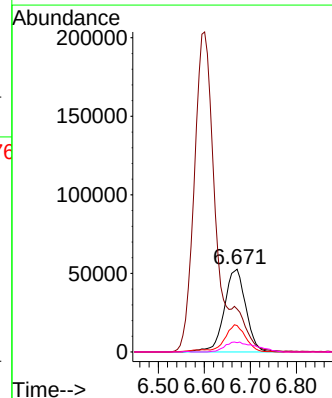
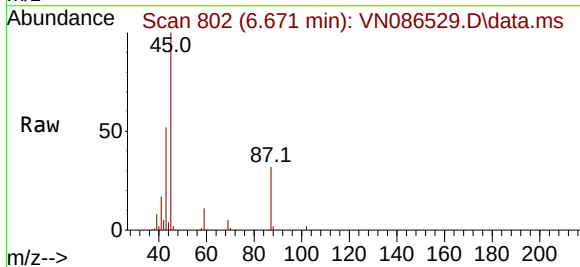
Ion Ratio Lower Upper

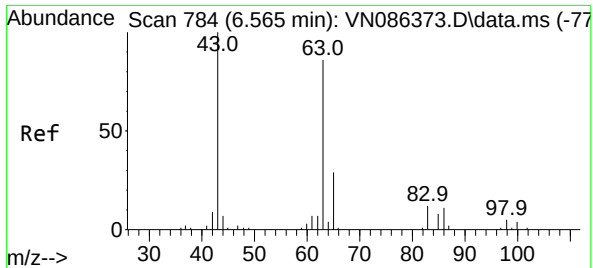
45 100

43 50.9 38.8 58.2

87 31.9 23.5 35.3

59 11.3 10.0 15.0





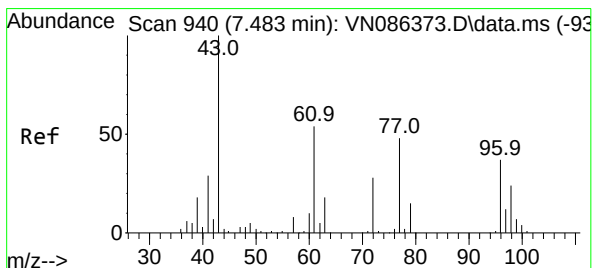
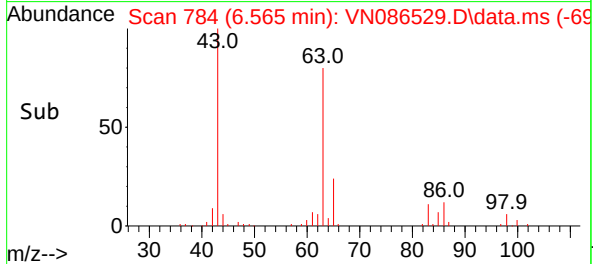
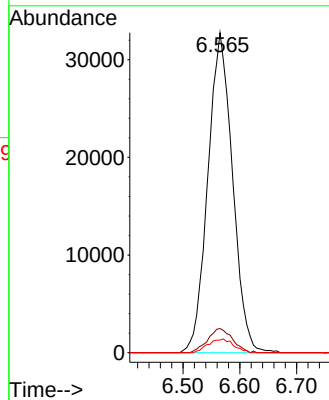
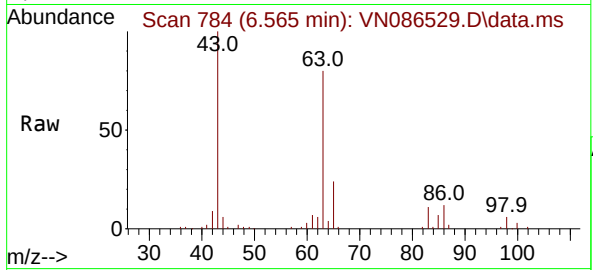
#21
1,1-Dichloroethane
Concen: 19.331 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion: 63 Resp: 98864
Ion Ratio Lower Upper
63 100
98 7.6 3.0 9.2
100 4.0 2.3 6.8

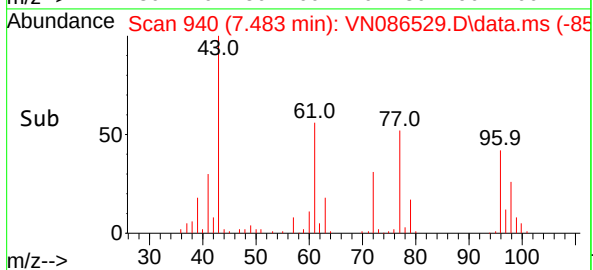
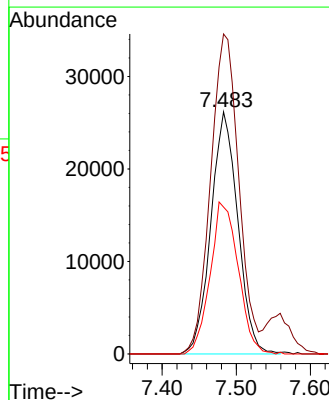
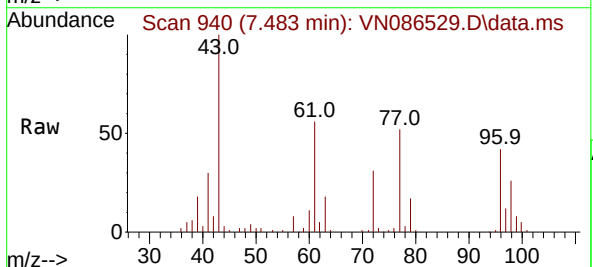
Manual Integrations
APPROVED

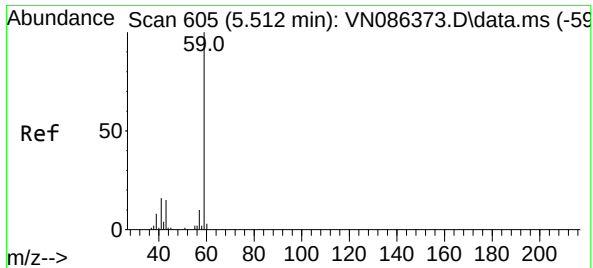
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#22
cis-1,2-Dichloroethene
Concen: 20.185 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion: 96 Resp: 66113
Ion Ratio Lower Upper
96 100
61 138.2 120.6 181.0
98 65.2 51.8 77.6





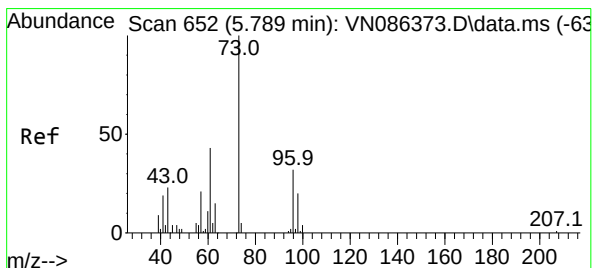
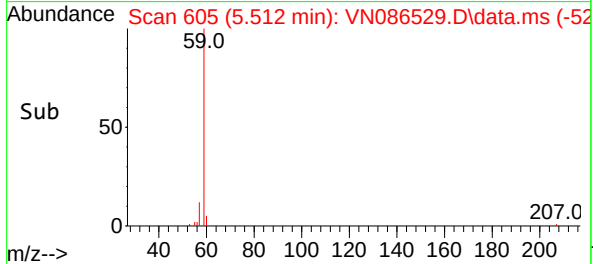
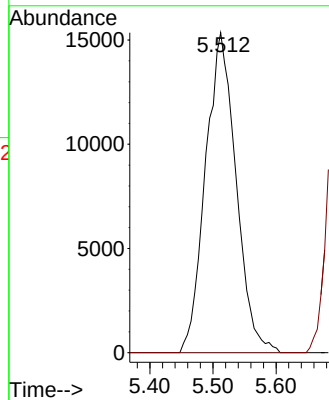
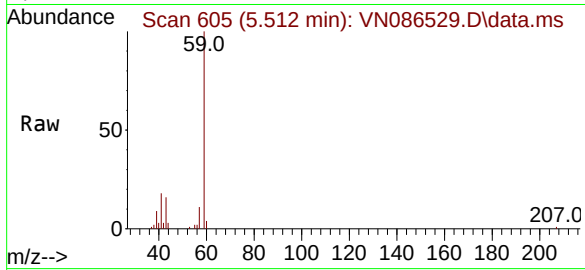
#23
tert-Butyl Alcohol
Concen: 102.716 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion: 59 Resp: 5158
Ion Ratio Lower Upper
59 100
52 200.1 0.1 0.1

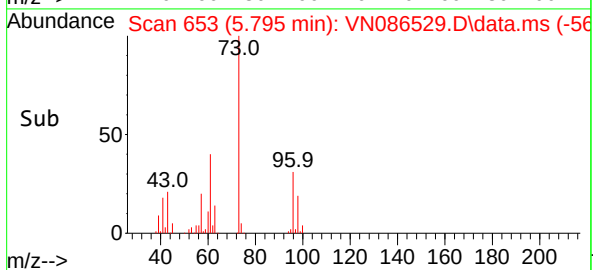
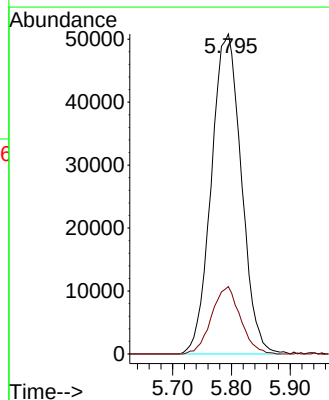
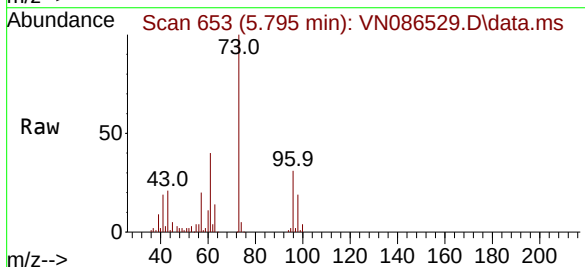
Manual Integrations
APPROVED

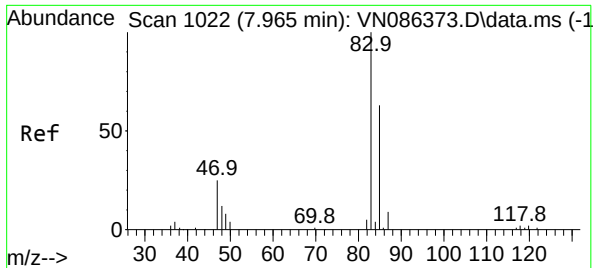
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#24
Methyl tert-Butyl Ether
Concen: 19.847 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion: 73 Resp: 180212
Ion Ratio Lower Upper
73 100
43 20.3 17.1 25.7





#25

Chloroform

Concen: 19.725 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tgt Ion: 83 Resp: 102100

Ion Ratio Lower Upper

83 100

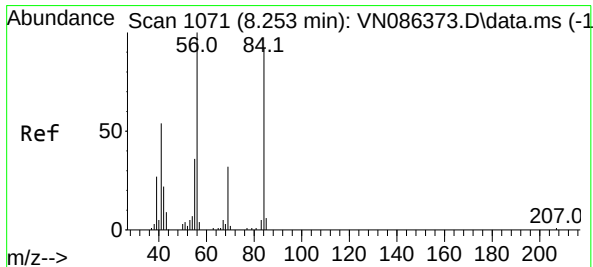
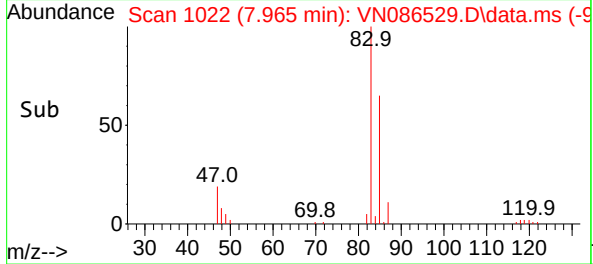
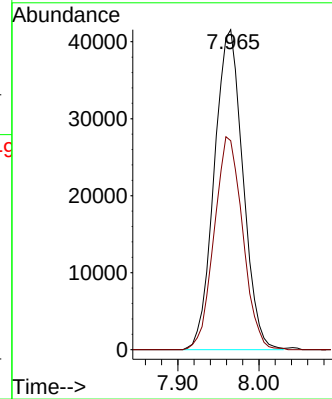
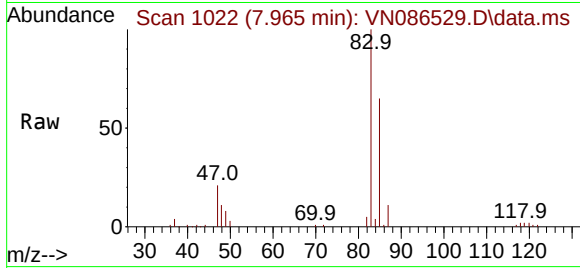
85 65.3 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#26

Cyclohexane

Concen: 18.251 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

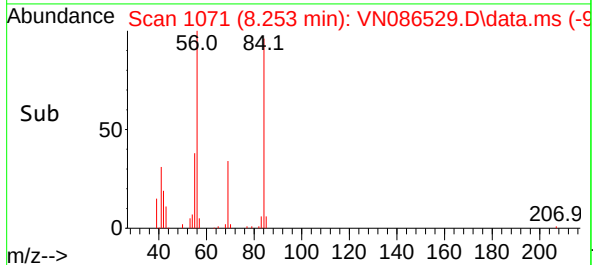
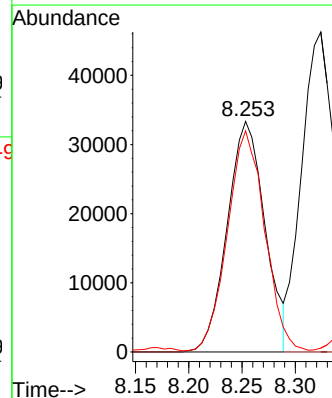
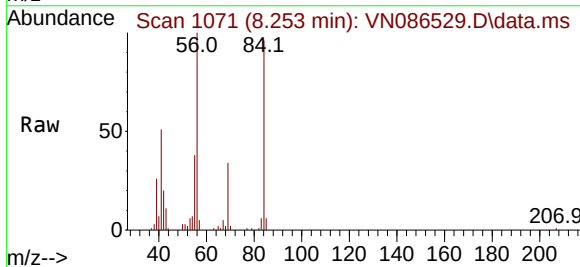
Tgt Ion: 56 Resp: 82419

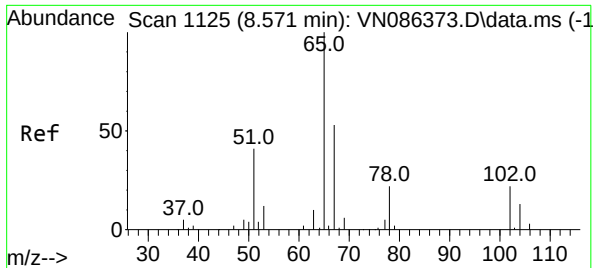
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

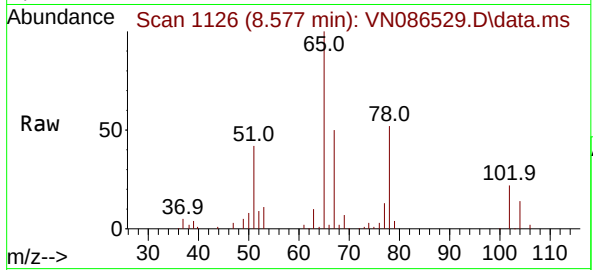
84 95.1 71.5 107.3





#27
1,2-Dichloroethane-d4
Concen: 28.173 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

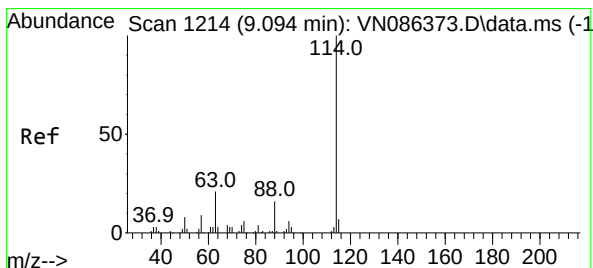
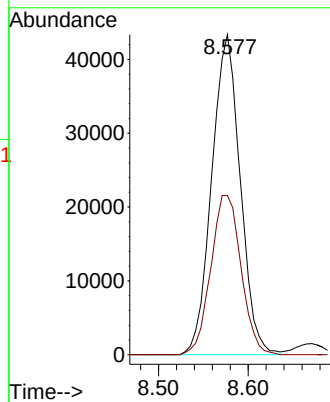
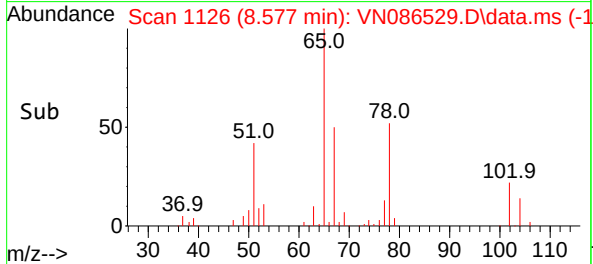
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



Tgt Ion: 65 Resp: 95680
Ion Ratio Lower Upper
65 100
67 52.7 42.5 63.7

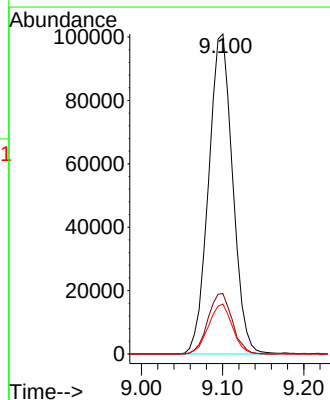
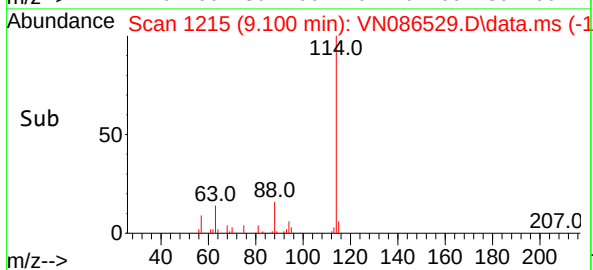
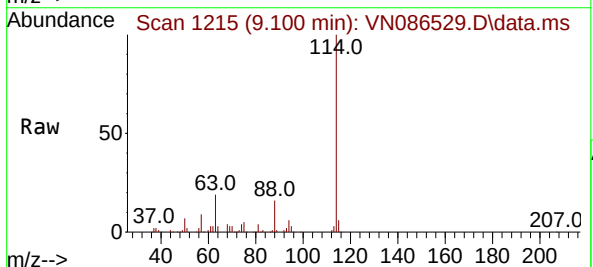
Manual Integrations
APPROVED

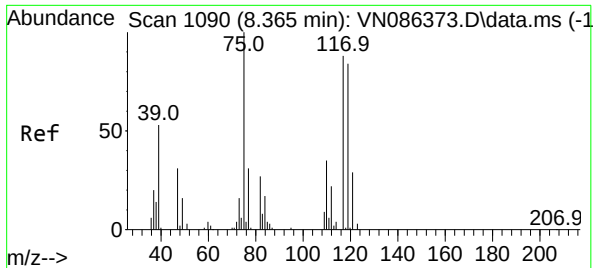
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion:114 Resp: 207904
Ion Ratio Lower Upper
114 100
63 19.1 16.7 25.1
88 15.5 12.6 19.0





#29

1,1-Dichloropropene

Concen: 19.835 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

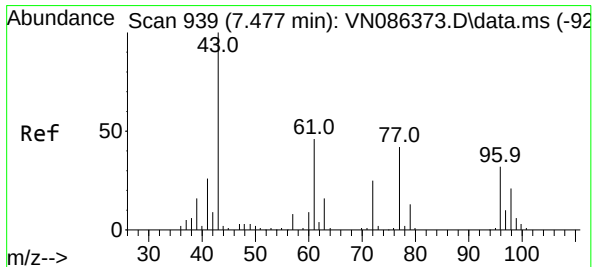
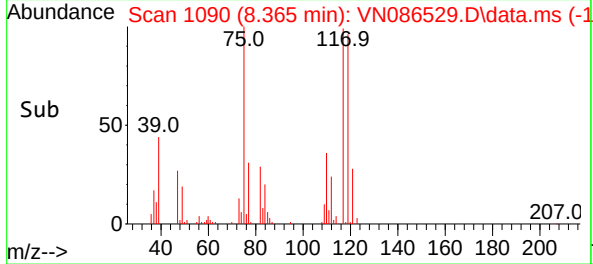
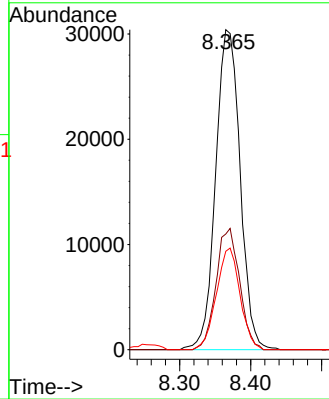
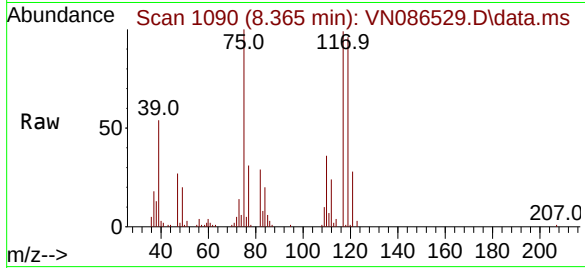
Tgt Ion:	75	Resp:	72698
Ion Ratio	Lower	Upper	
75	100		
110	36.5	0.0	68.0
77	30.7	0.0	61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#30

2-Butanone

Concen: 93.809 ug/l

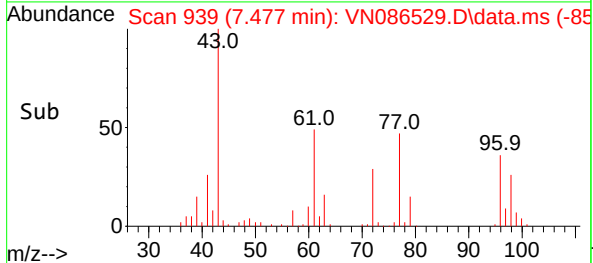
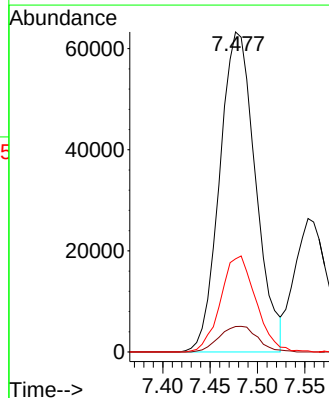
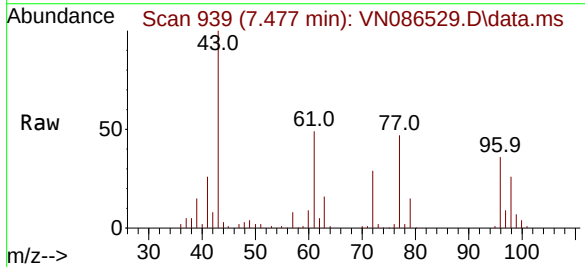
RT: 7.477 min Scan# 939

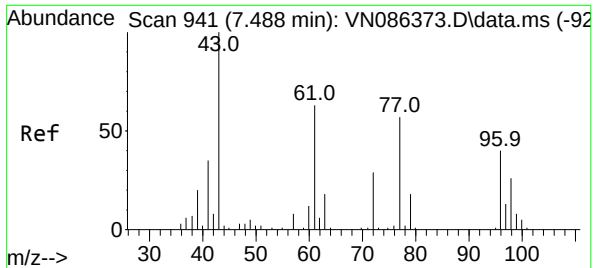
Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Tgt Ion:	43	Resp:	166883
Ion Ratio	Lower	Upper	
43	100		
57	8.5	6.6	10.0
72	29.4	22.2	33.4





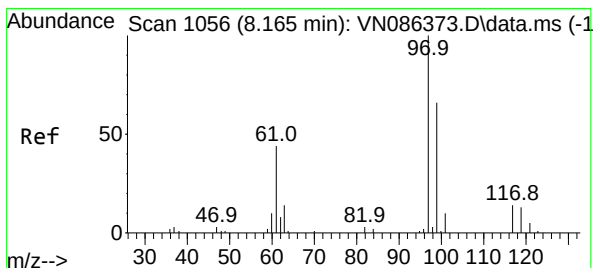
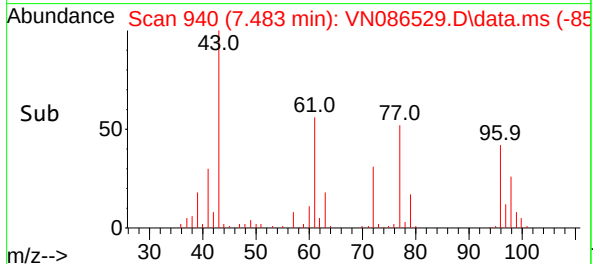
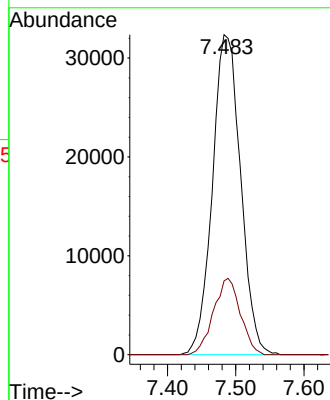
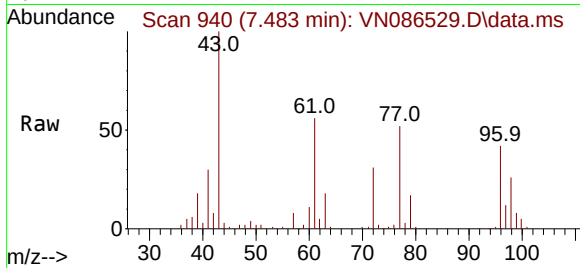
#31
2,2-Dichloropropane
Concen: 19.754 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion: 77 Resp: 93070
Ion Ratio Lower Upper
77 100
97 22.7 18.2 27.2

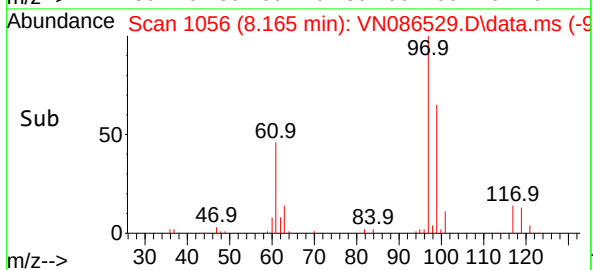
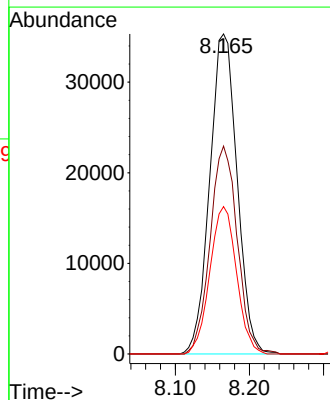
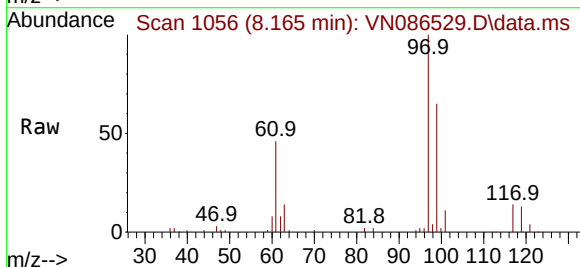
Manual Integrations
APPROVED

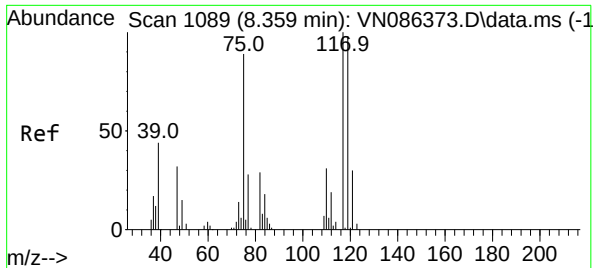
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#32
1,1,1-Trichloroethane
Concen: 20.705 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

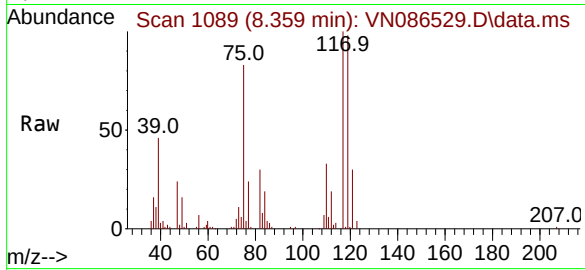
Tgt Ion: 97 Resp: 90682
Ion Ratio Lower Upper
97 100
99 64.6 52.6 79.0
61 45.0 36.4 54.6





#33
Carbon Tetrachloride
Concen: 21.452 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

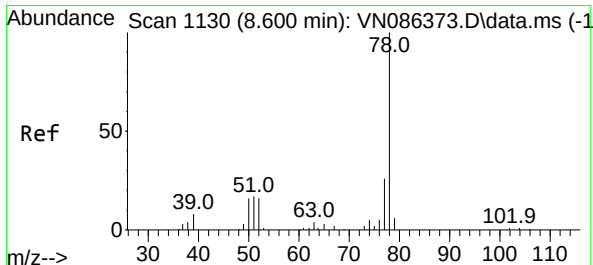
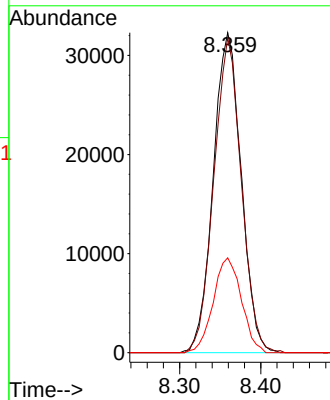
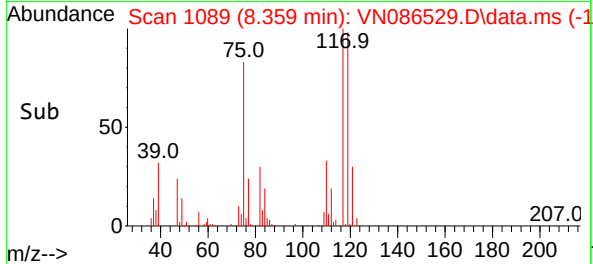
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



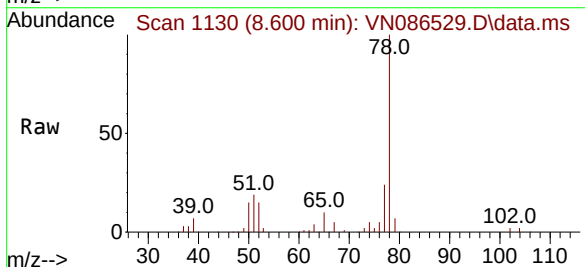
Tgt Ion:117 Resp: 77340
Ion Ratio Lower Upper
117 100
119 98.5 78.6 117.8
121 29.6 24.0 36.0

Manual Integrations
APPROVED

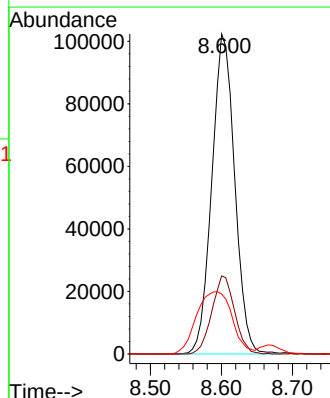
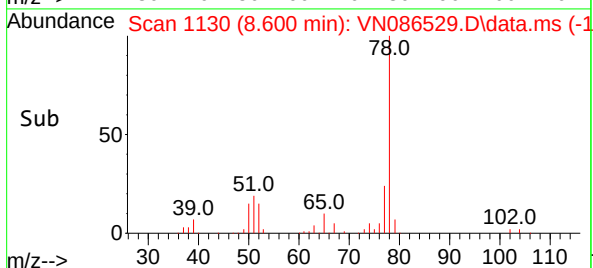
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

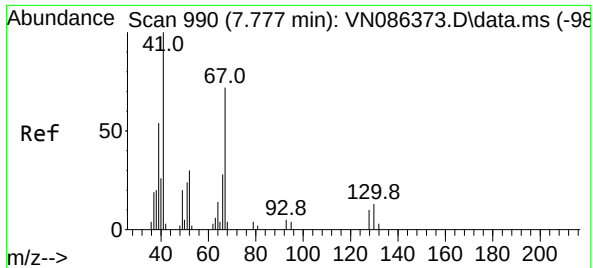


#34
Benzene
Concen: 19.640 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38



Tgt Ion: 78 Resp: 228956
Ion Ratio Lower Upper
78 100
77 24.4 20.8 31.2
51 17.6 14.0 21.0





#35

Methacrylonitrile

Concen: 18.018 ug/l

RT: 7.777 min Scan# 990

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tgt Ion: 41 Resp: 3656

Ion Ratio Lower Upper

41 100

39 54.5 27.0 80.8

67 74.3 35.8 107.3

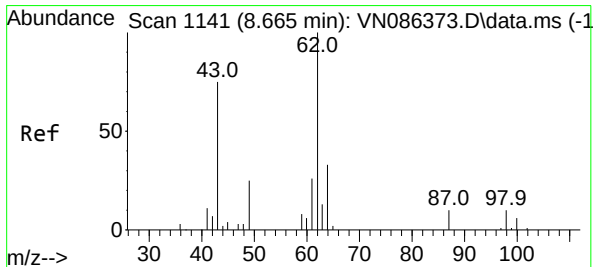
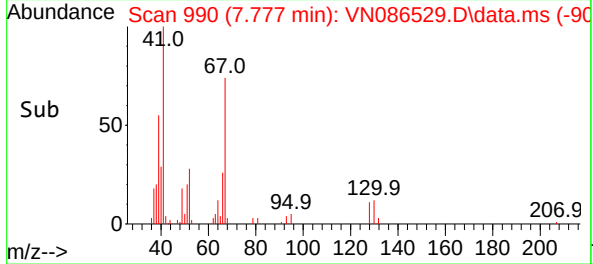
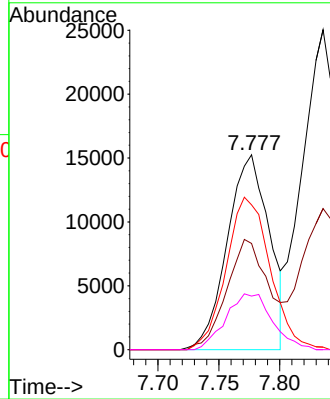
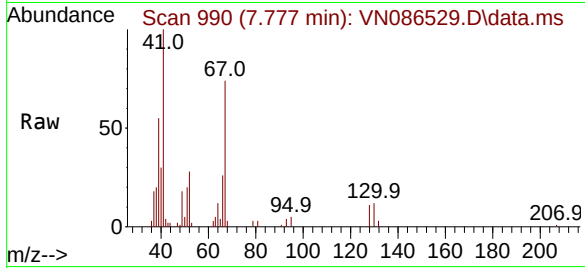
52 27.5 15.2 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#36

1,2-Dichloroethane

Concen: 20.284 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VN086529.D

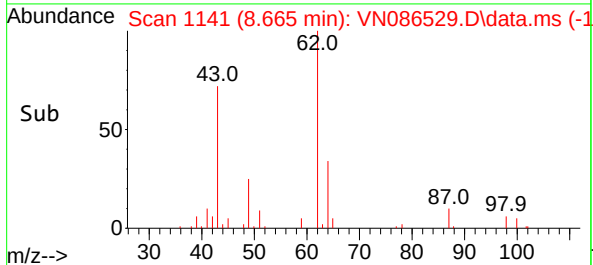
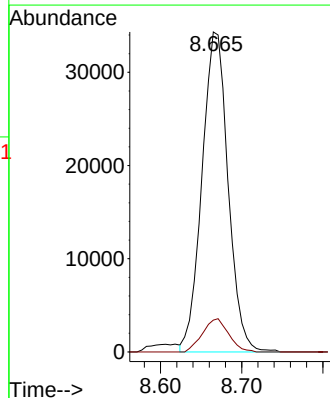
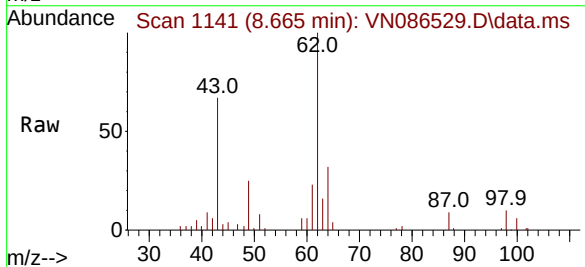
Acq: 07 May 2025 11:38

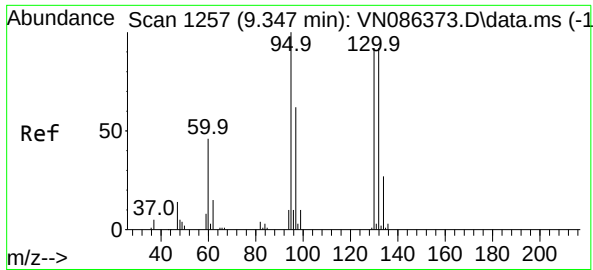
Tgt Ion: 62 Resp: 76770

Ion Ratio Lower Upper

62 100

98 10.4 7.6 11.4





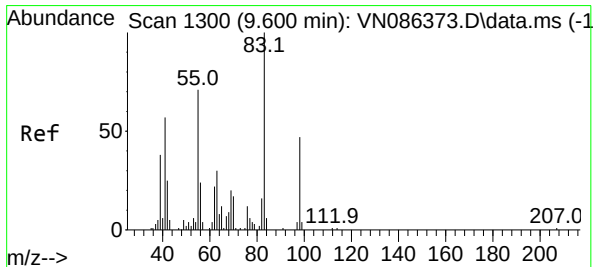
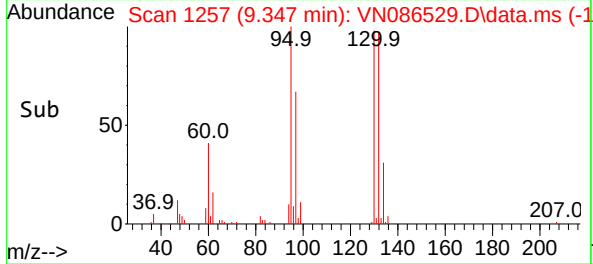
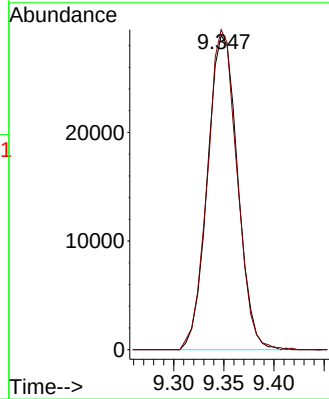
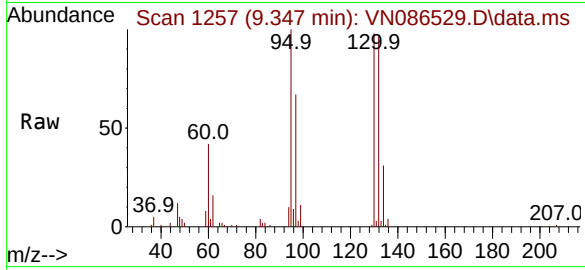
#37
Trichloroethene
Concen: 20.697 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion:130 Resp: 6040
Ion Ratio Lower Upper
130 100
95 101.9 86.6 130.0

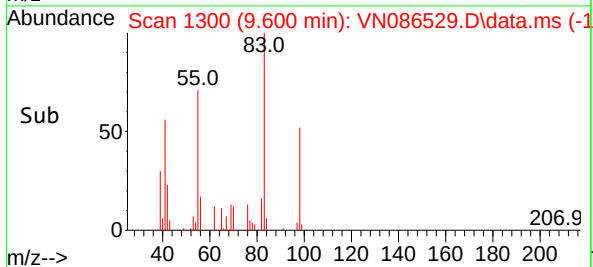
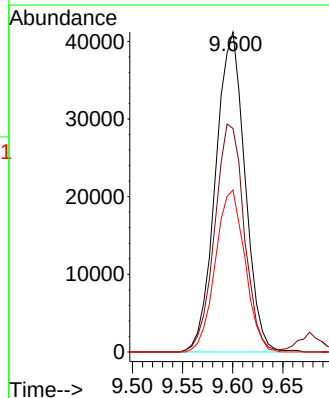
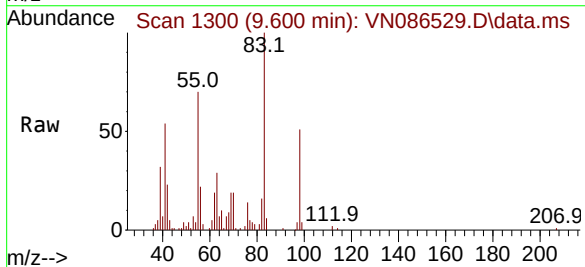
Manual Integrations
APPROVED

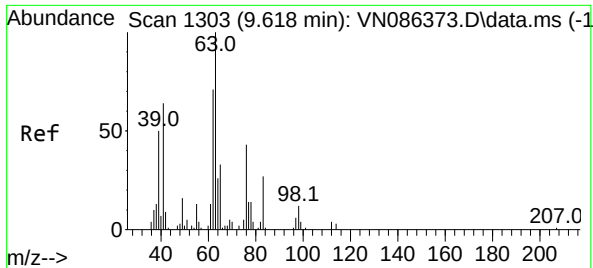
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#38
Methylcyclohexane
Concen: 19.818 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion: 83 Resp: 83891
Ion Ratio Lower Upper
83 100
55 71.8 37.3 111.9
98 51.1 23.8 71.5





#39

1,2-Dichloropropane

Concen: 19.073 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tgt Ion: 63 Resp: 54930

Ion Ratio Lower Upper

63 100

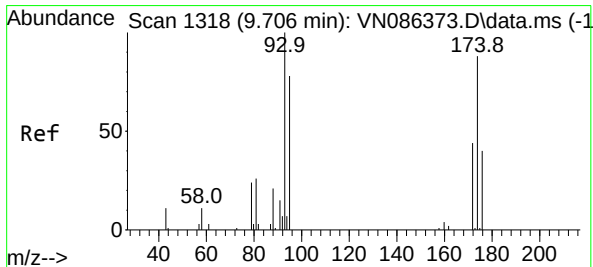
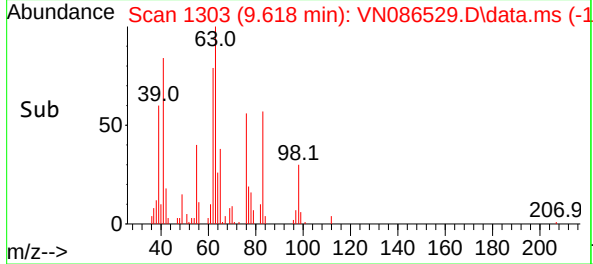
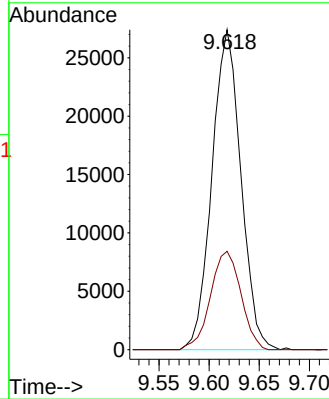
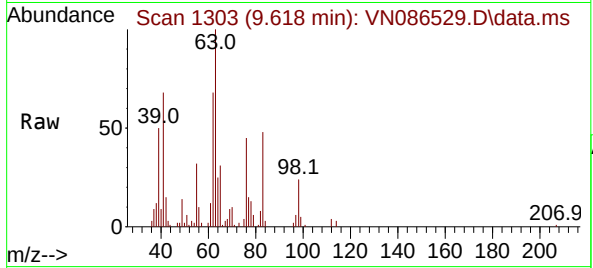
65 30.8 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#40

Dibromomethane

Concen: 20.105 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

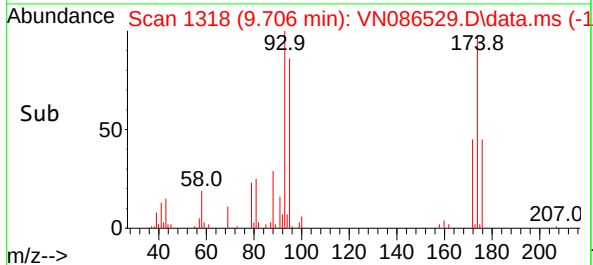
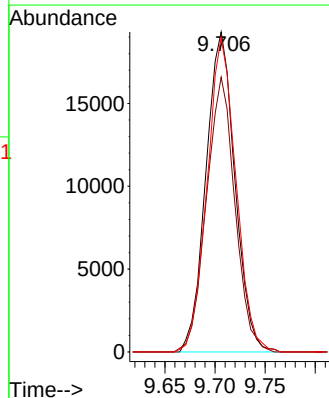
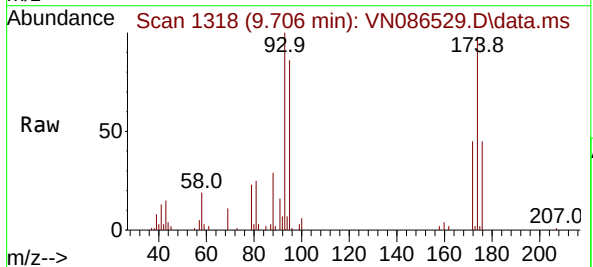
Tgt Ion: 93 Resp: 38721

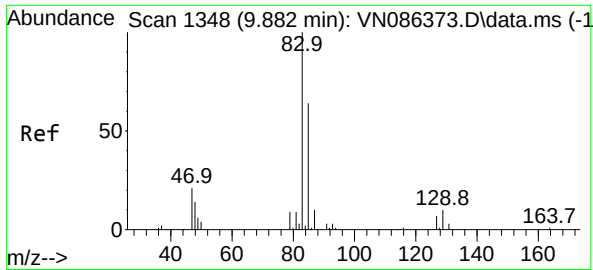
Ion Ratio Lower Upper

93 100

95 84.6 0.0 159.2

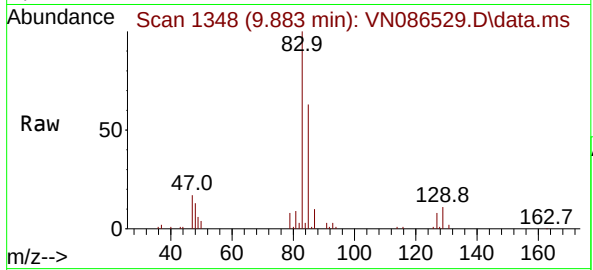
174 97.7 0.0 171.4





#41
Bromodichloromethane
Concen: 19.918 ug/l
RT: 9.883 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

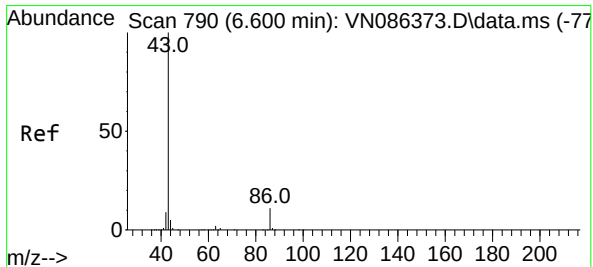
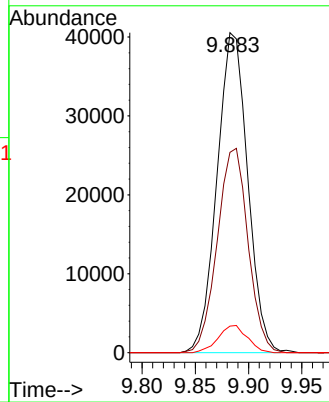
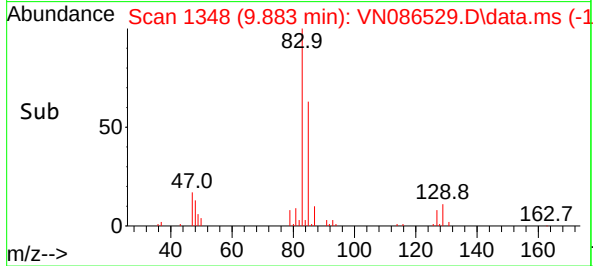
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



Tgt Ion: 83 Resp: 81178
Ion Ratio Lower Upper
83 100
85 62.6 51.1 76.7
127 8.3 5.9 8.9

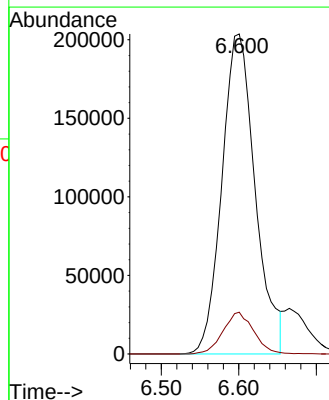
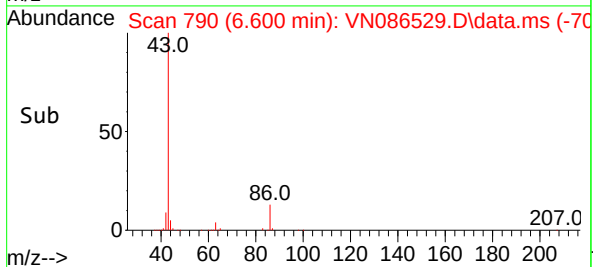
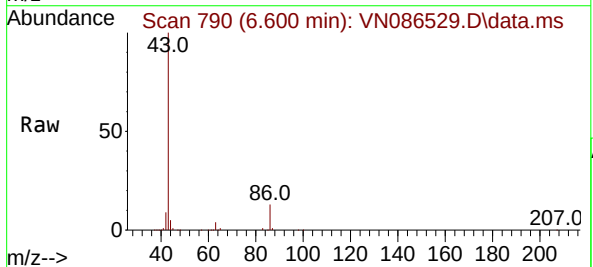
Manual Integrations
APPROVED

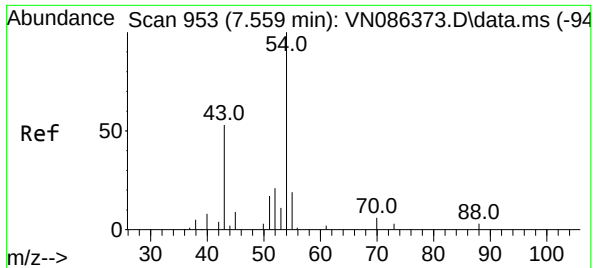
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#42
Vinyl Acetate
Concen: 98.957 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion: 43 Resp: 609823
Ion Ratio Lower Upper
43 100
86 12.0 8.9 13.3





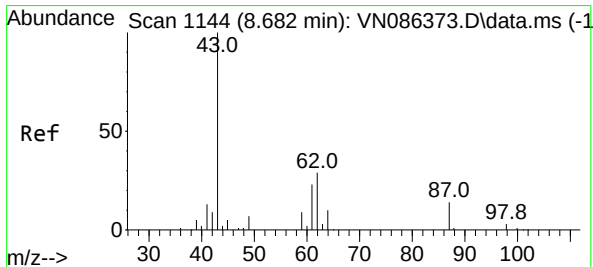
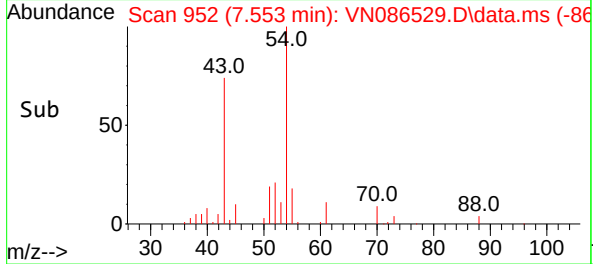
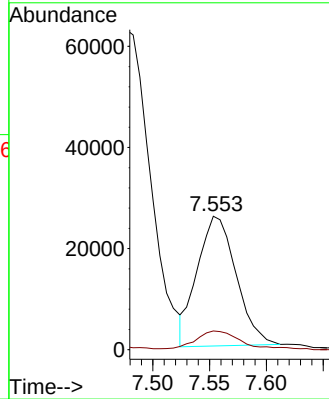
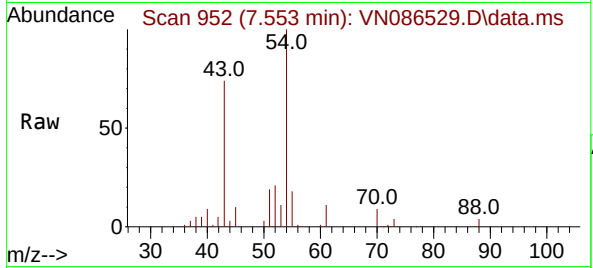
#43
Ethyl Acetate
Concen: 17.354 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion: 43 Resp: 61094
Ion Ratio Lower Upper
43 100
45 14.7 11.4 17.2

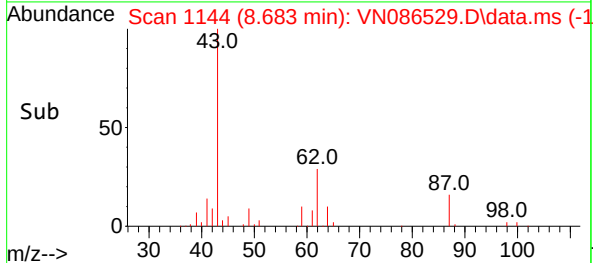
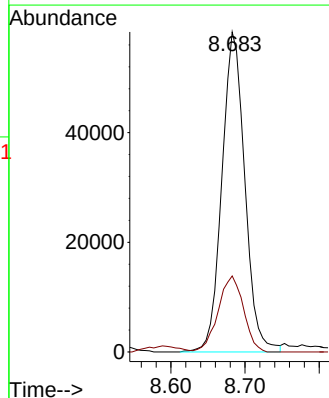
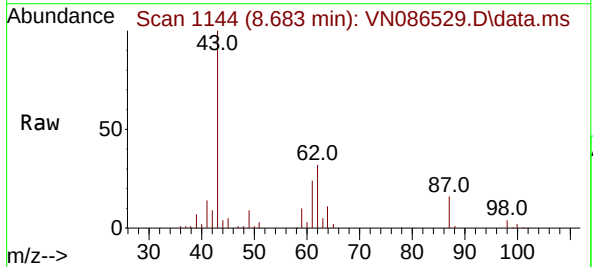
Manual Integrations
APPROVED

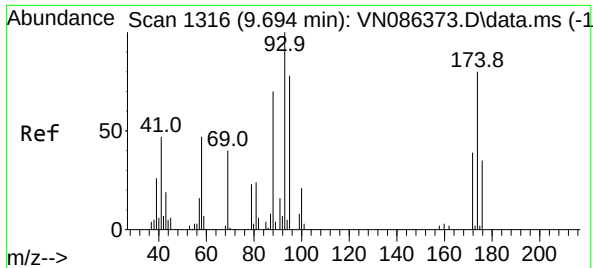
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#44
Isopropyl Acetate
Concen: 18.790 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion: 43 Resp: 125550
Ion Ratio Lower Upper
43 100
61 26.2 21.0 31.4





#45

1,4-Dioxane

Concen: 434.568 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tgt Ion: 88 Resp: 2265

Ion Ratio Lower Upper

88 100

43 26.7 24.9 37.3

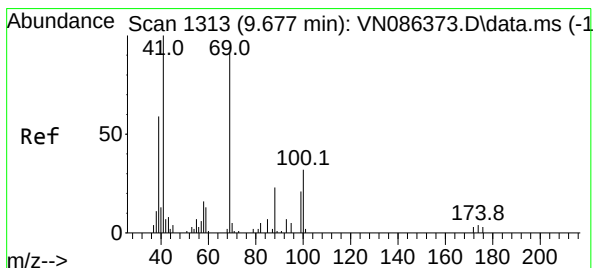
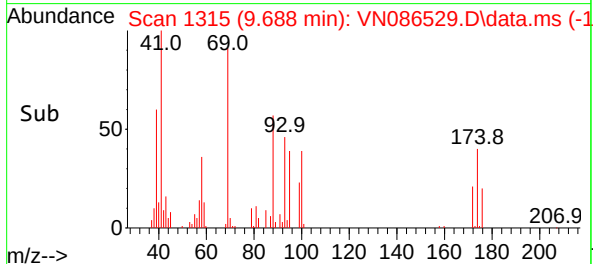
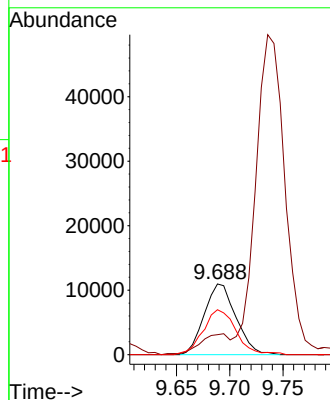
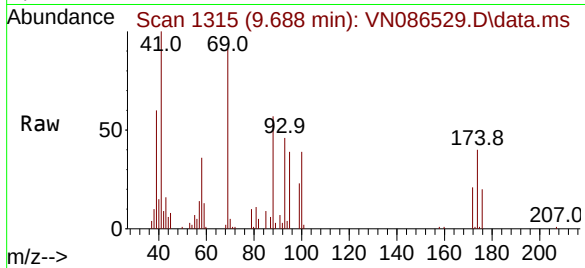
58 64.6 57.8 86.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#46

Methyl methacrylate

Concen: 18.192 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

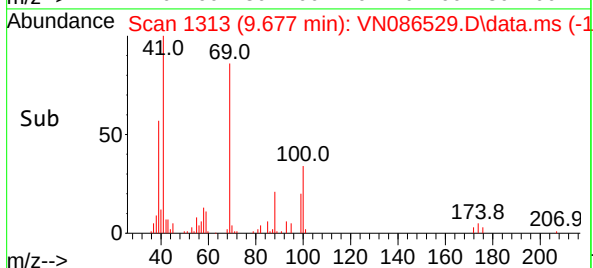
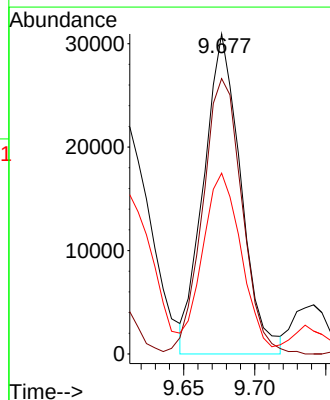
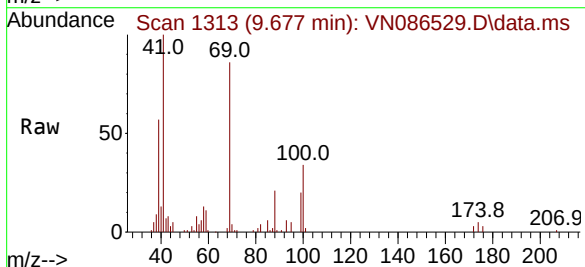
Tgt Ion: 41 Resp: 56069

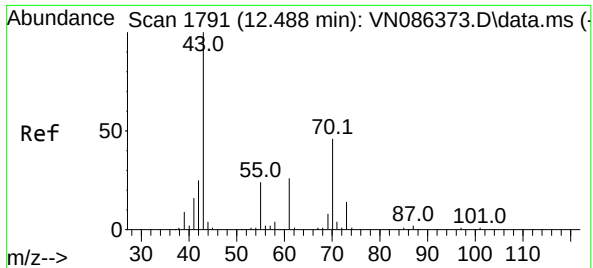
Ion Ratio Lower Upper

41 100

69 89.3 44.1 132.3

39 56.8 30.0 90.1





#47

n-amy1 Acetate

Concen: 17.545 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tgt Ion: 43 Resp: 9991

Ion Ratio Lower Upper

43 100

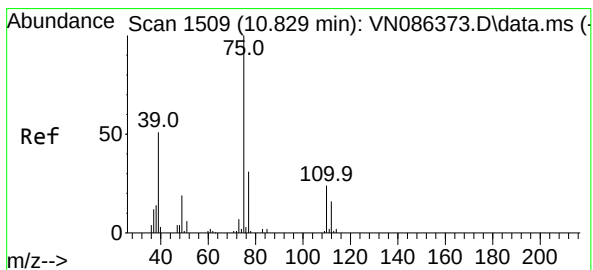
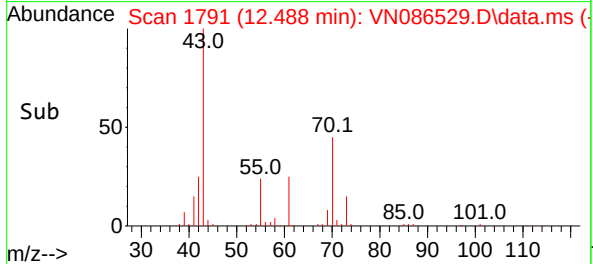
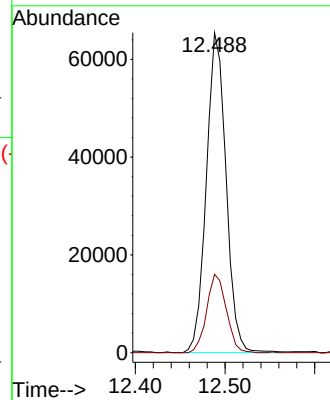
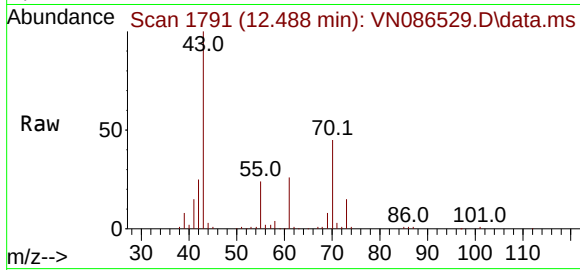
55 24.3 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#48

t-1,3-Dichloropropene

Concen: 19.141 ug/l

RT: 10.830 min Scan# 1509

Delta R.T. 0.000 min

Lab File: VN086529.D

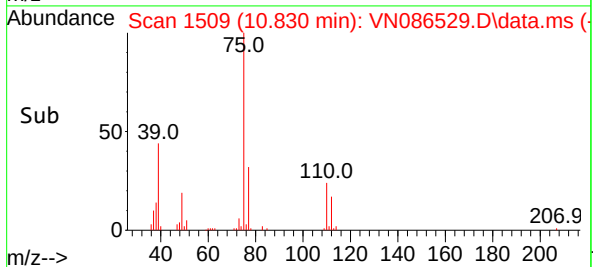
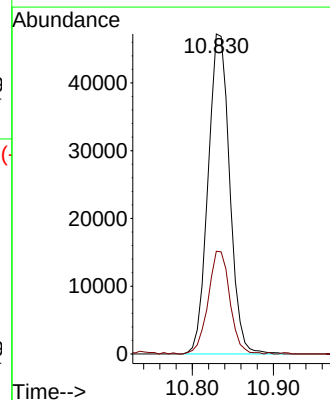
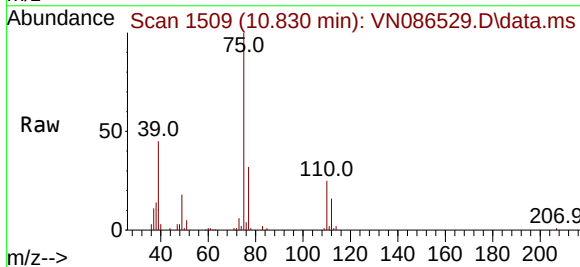
Acq: 07 May 2025 11:38

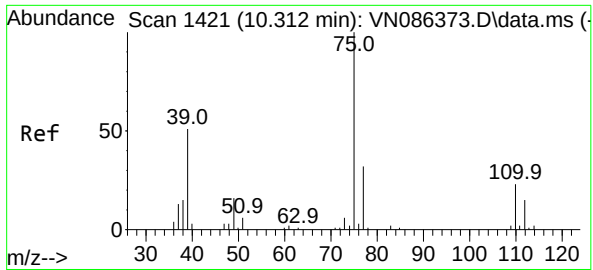
Tgt Ion: 75 Resp: 87215

Ion Ratio Lower Upper

75 100

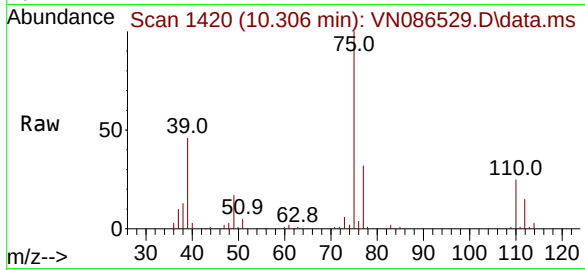
77 32.1 24.4 36.6





#49
 cis-1,3-Dichloropropene
 Concen: 19.128 ug/l
 RT: 10.306 min Scan# 1421
 Delta R.T. -0.006 min
 Lab File: VN086529.D
 Acq: 07 May 2025 11:38

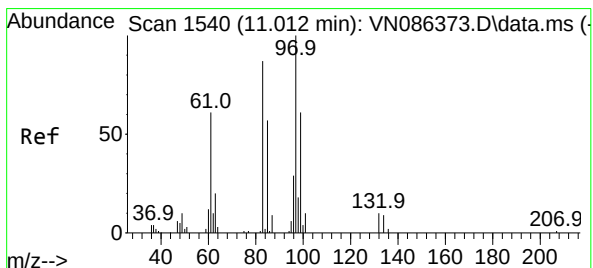
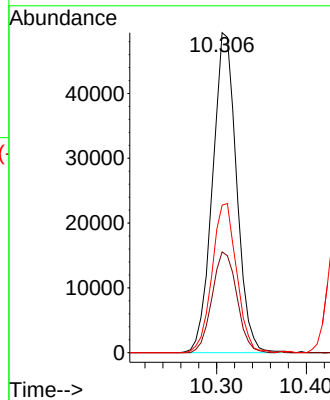
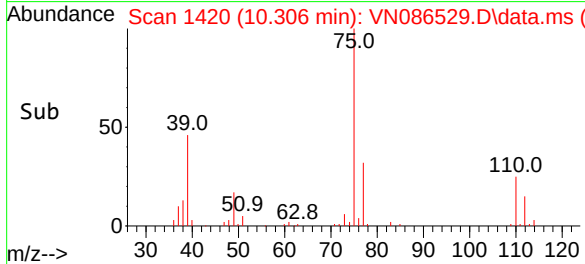
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01



Tgt Ion: 75 Resp: 91912
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.6 38.4
 39 46.1 40.6 60.8

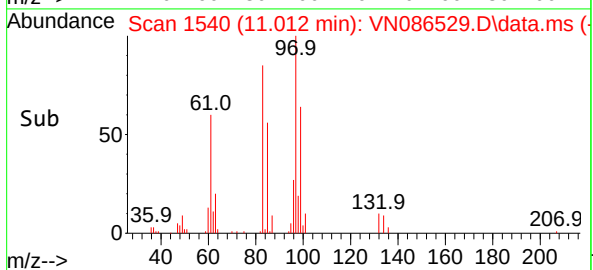
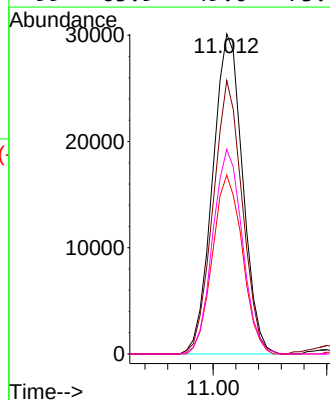
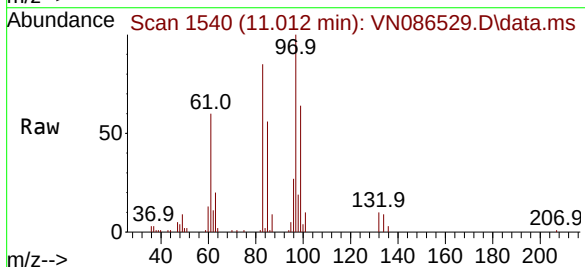
Manual Integrations
 APPROVED

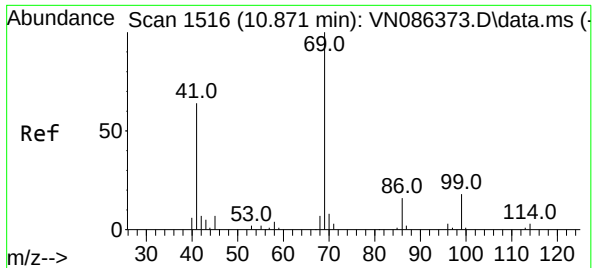
Reviewed By :John Carlone 05/08/2025
 Supervised By :Mahesh Dadoda 05/08/2025



#50
 1,1,2-Trichloroethane
 Concen: 20.605 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. 0.000 min
 Lab File: VN086529.D
 Acq: 07 May 2025 11:38

Tgt Ion: 97 Resp: 55429
 Ion Ratio Lower Upper
 97 100
 83 85.5 69.3 103.9
 85 55.9 45.5 68.3
 99 63.9 49.0 73.6





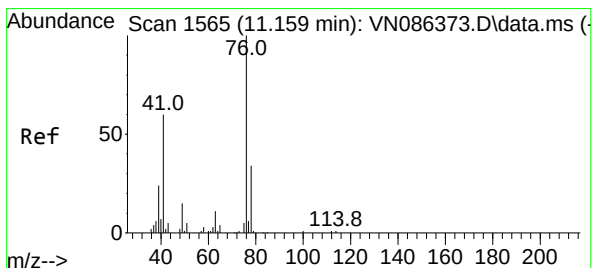
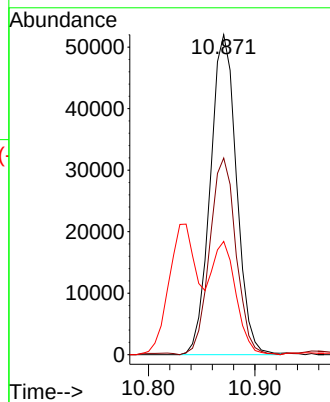
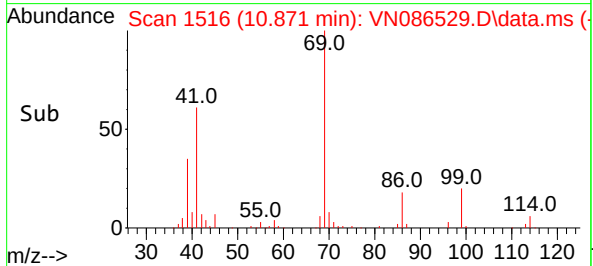
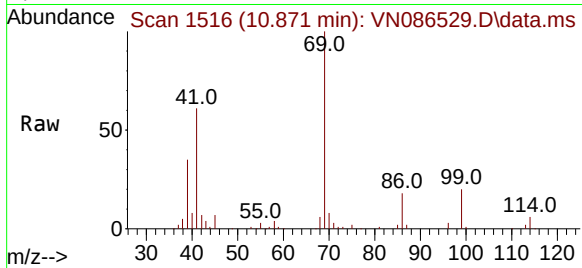
#51
Ethyl methacrylate
Concen: 18.959 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion: 69 Resp: 88820
Ion Ratio Lower Upper
69 100
41 61.5 32.3 96.8
39 35.4 19.1 57.1

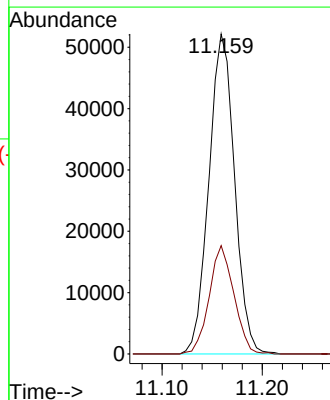
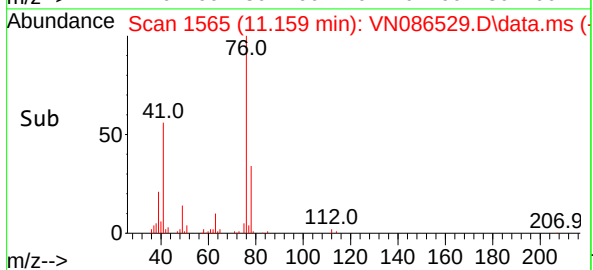
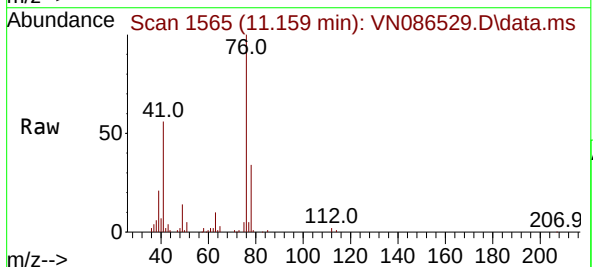
Manual Integrations
APPROVED

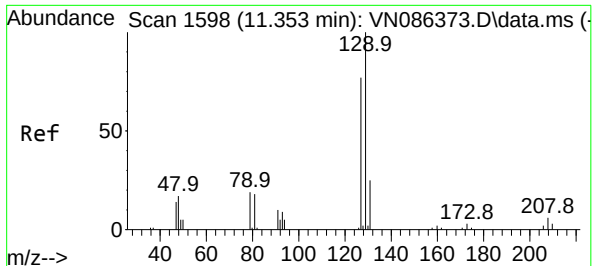
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#52
1,3-Dichloropropane
Concen: 19.561 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

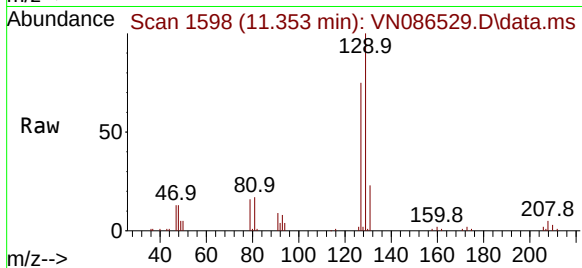
Tgt Ion: 76 Resp: 93003
Ion Ratio Lower Upper
76 100
78 32.5 0.0 65.6





#53
Dibromochloromethane
Concen: 20.434 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

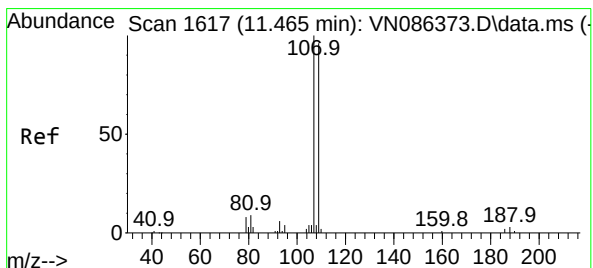
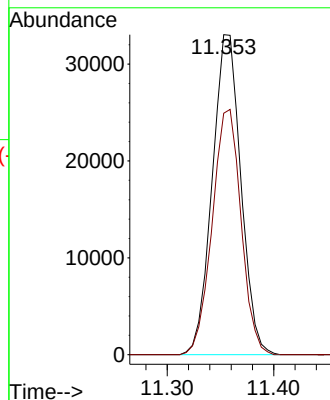
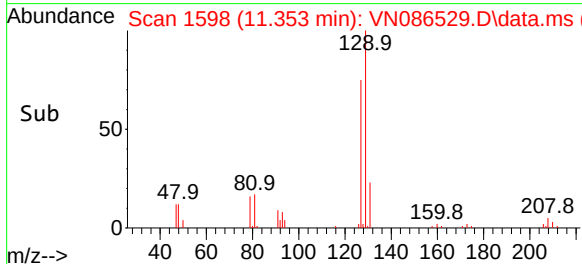
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



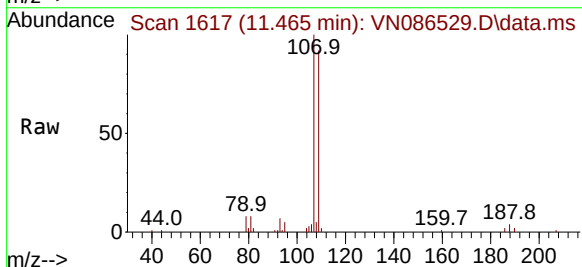
Tgt Ion:129 Resp: 61725
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3

Manual Integrations
APPROVED

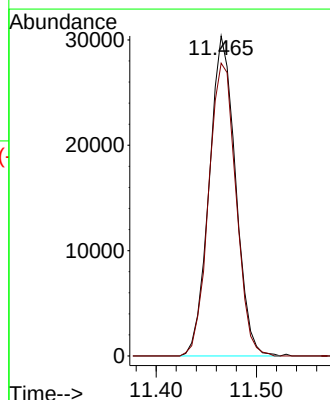
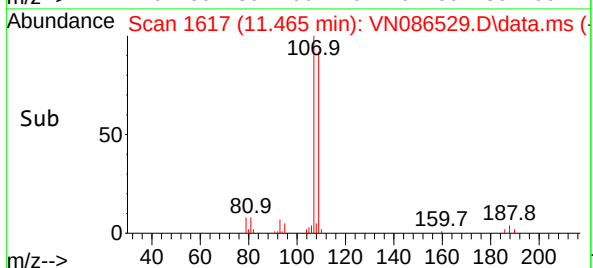
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

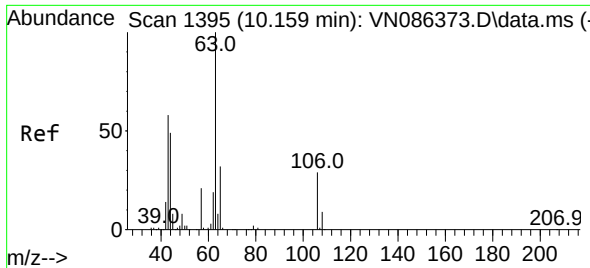


#54
1,2-Dibromoethane
Concen: 20.282 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38



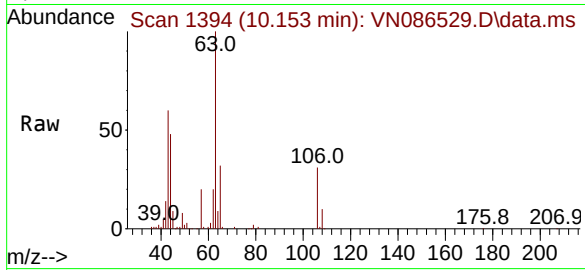
Tgt Ion:107 Resp: 55476
Ion Ratio Lower Upper
107 100
109 94.6 75.4 113.0





#55
2-Chloroethyl vinyl ether
Concen: 83.292 ug/l
RT: 10.153 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

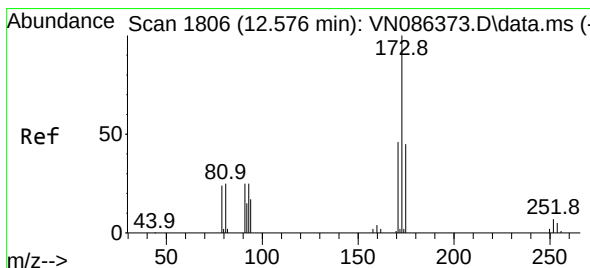
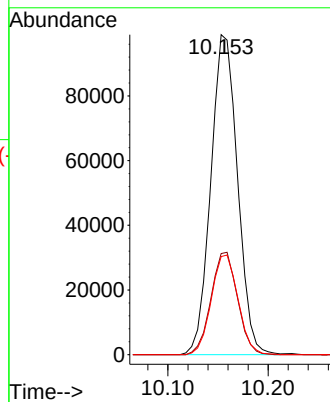
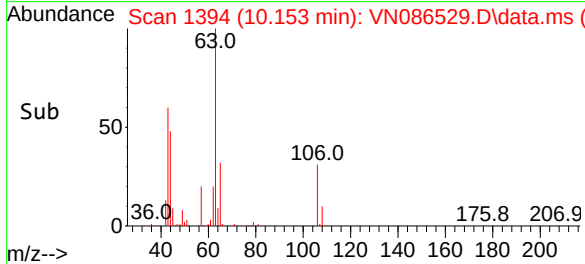
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



Tgt Ion: 63 Resp: 183472
Ion Ratio Lower Upper
63 100
65 31.6 25.7 38.5
106 31.1 22.3 33.5

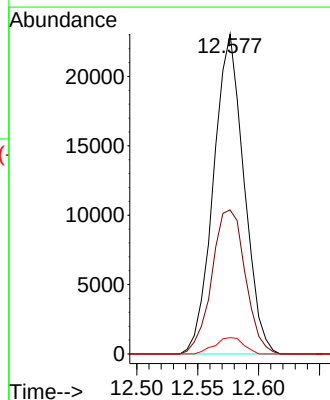
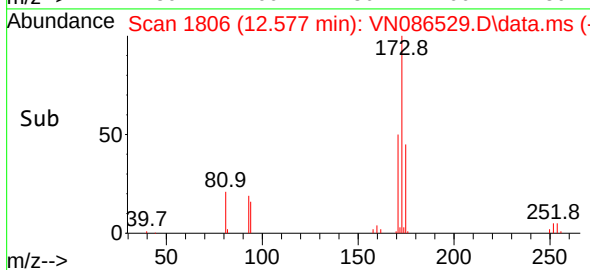
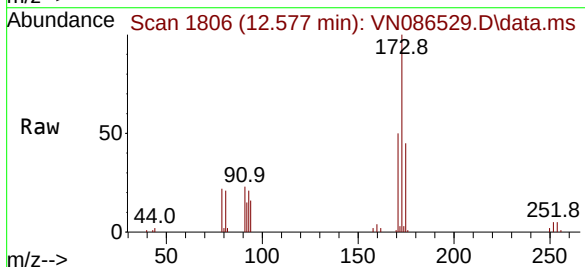
Manual Integrations
APPROVED

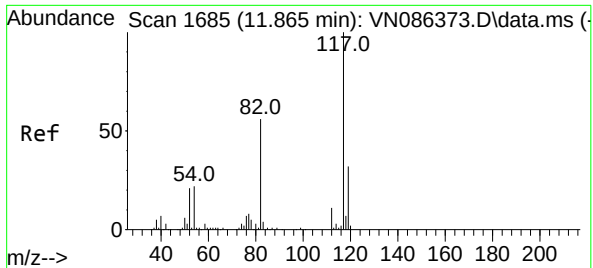
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#56
Bromoform
Concen: 20.436 ug/l
RT: 12.577 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

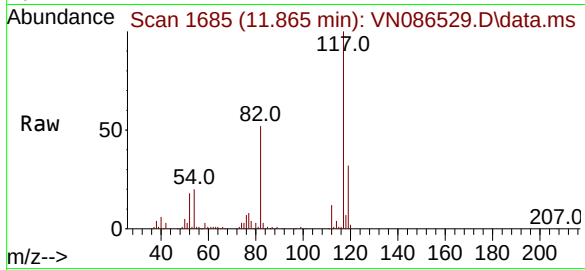
Tgt Ion:173 Resp: 40060
Ion Ratio Lower Upper
173 100
175 49.4 39.0 58.6
254 4.9 3.8 5.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

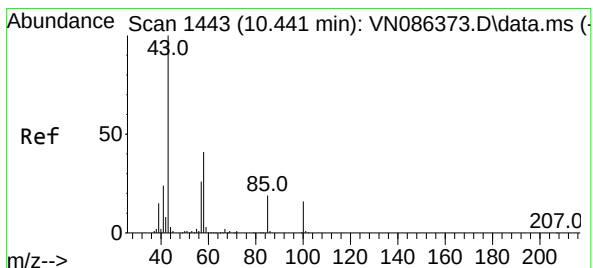
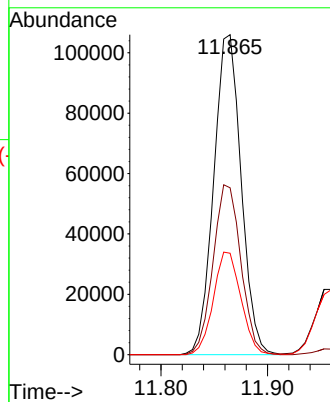
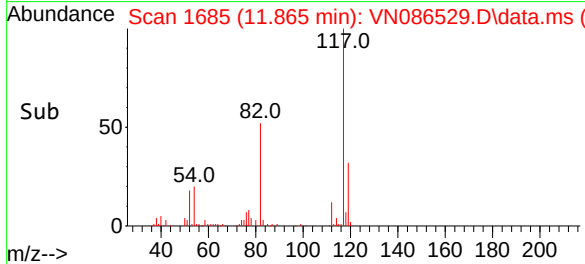
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



Tgt Ion: 117 Resp: 189799
Ion Ratio Lower Upper
117 100
82 53.7 45.5 68.3
119 32.1 25.9 38.9

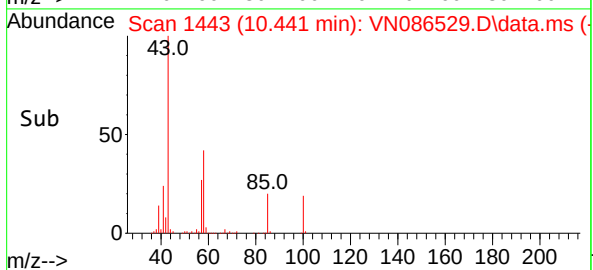
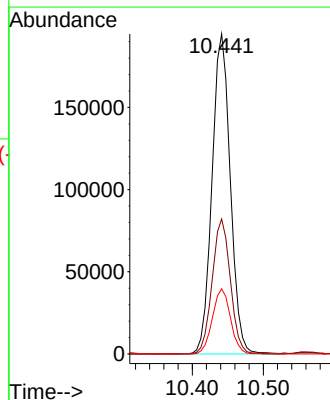
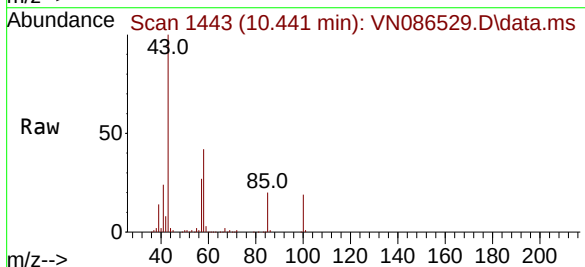
Manual Integrations
APPROVED

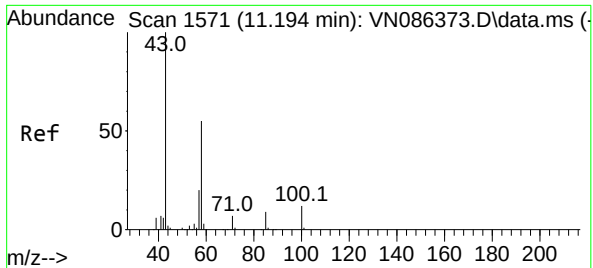
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#58
4-Methyl-2-Pentanone
Concen: 94.634 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

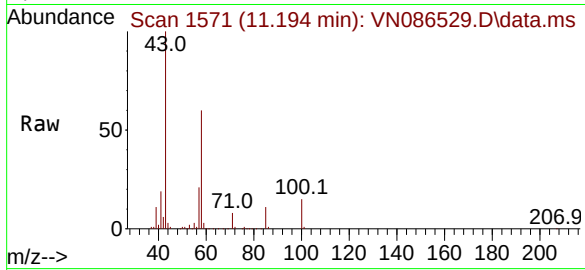
Tgt Ion: 43 Resp: 347579
Ion Ratio Lower Upper
43 100
58 41.9 33.0 49.6
85 20.1 14.9 22.3





#59
2-Hexanone
Concen: 92.593 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

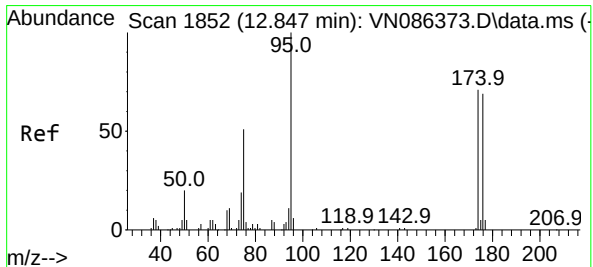
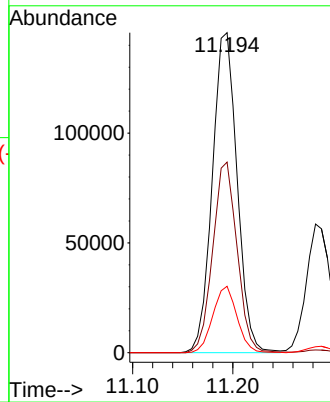
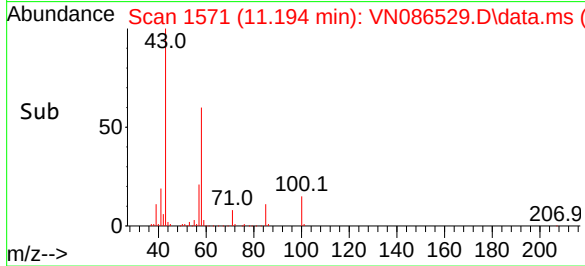
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



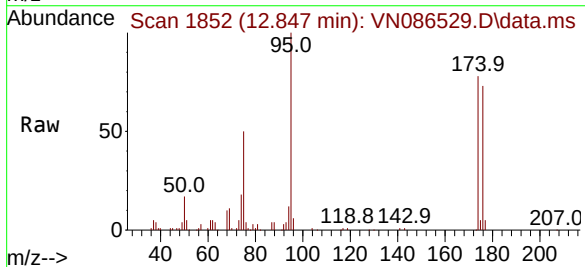
Tgt Ion: 43 Resp: 250610
Ion Ratio Lower Upper
43 100
58 58.3 45.0 67.6
57 20.2 15.5 23.3

Manual Integrations
APPROVED

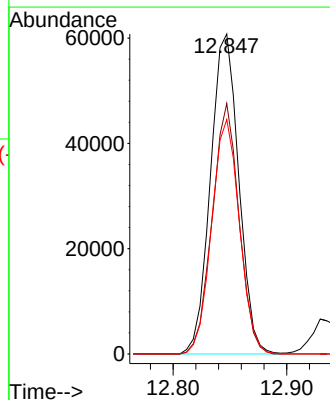
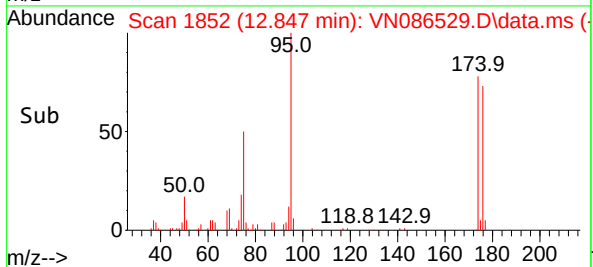
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

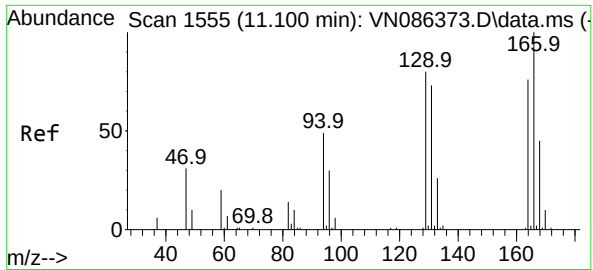


#60
4-Bromofluorobenzene
Concen: 28.220 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38



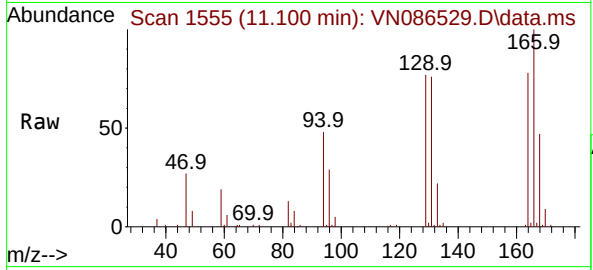
Tgt Ion: 95 Resp: 105269
Ion Ratio Lower Upper
95 100
174 74.1 56.6 84.8
176 71.9 53.3 79.9





#61
Tetrachloroethene
Concen: 21.953 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

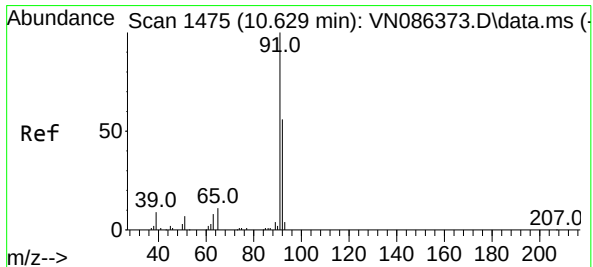
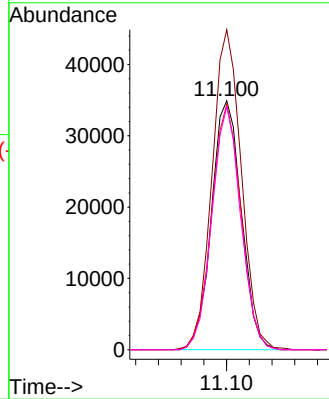
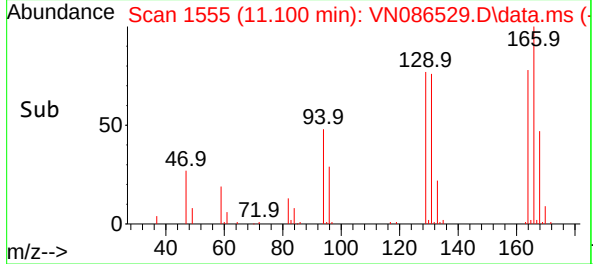
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



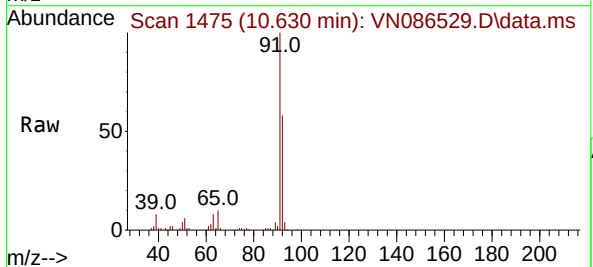
Tgt Ion:164 Resp: 63549
Ion Ratio Lower Upper
164 100
166 128.0 105.0 157.4
129 98.6 83.9 125.9
131 97.6 76.7 115.1

Manual Integrations
APPROVED

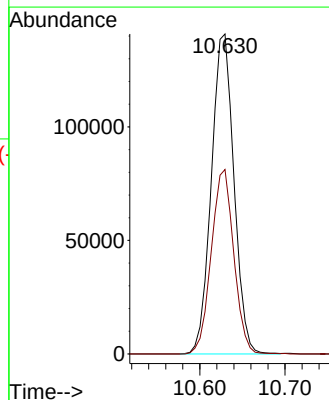
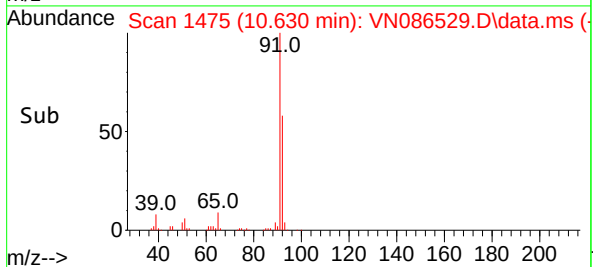
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

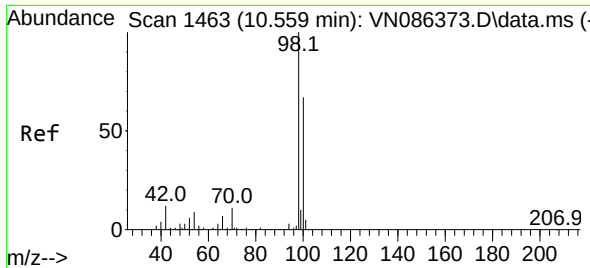


#62
Toluene
Concen: 20.456 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38



Tgt Ion: 91 Resp: 259875
Ion Ratio Lower Upper
91 100
92 57.4 45.7 68.5





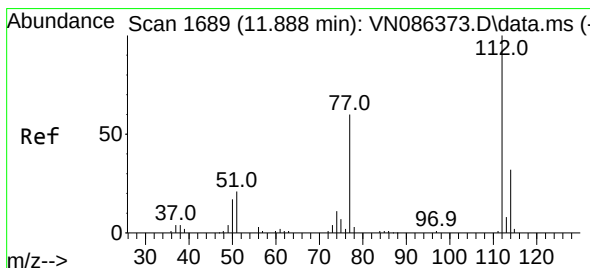
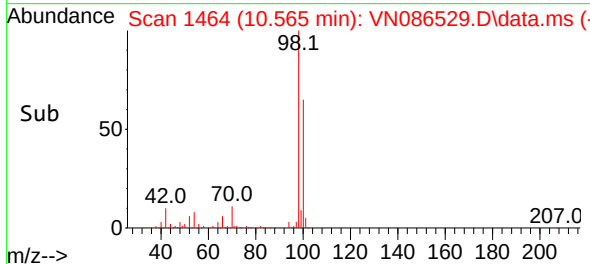
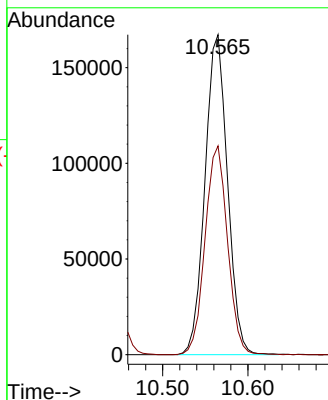
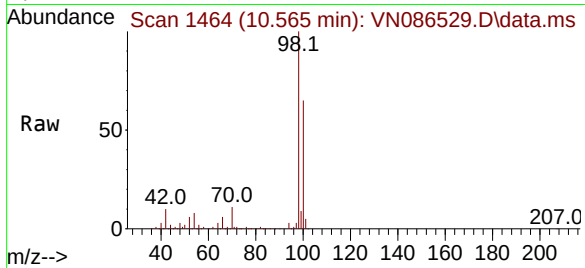
#63
Toluene-d8
Concen: 29.398 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion: 98 Resp: 306960
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7

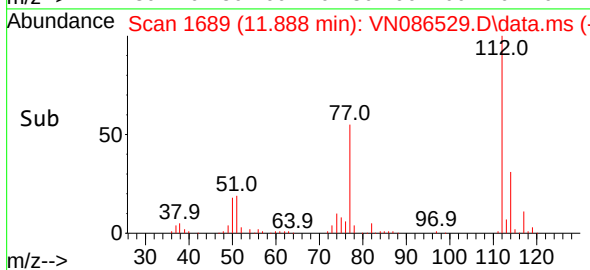
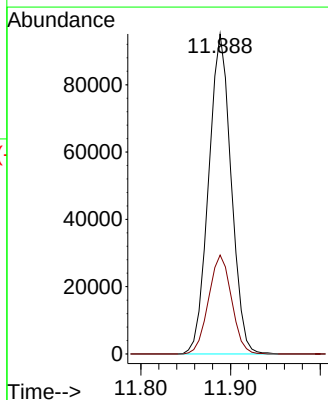
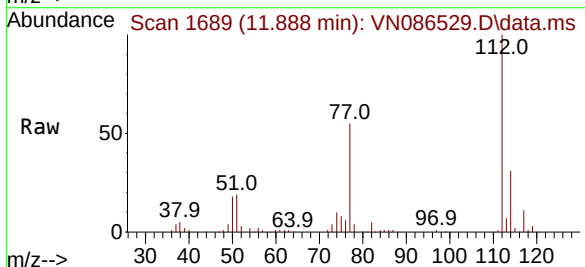
Manual Integrations
APPROVED

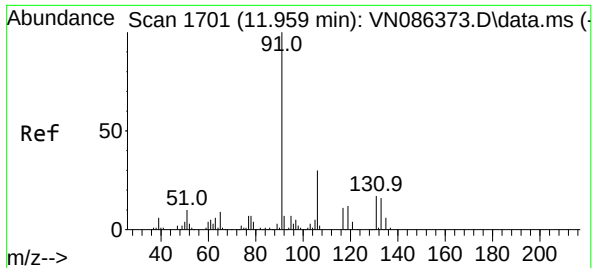
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#64
Chlorobenzene
Concen: 20.942 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion:112 Resp: 165779
Ion Ratio Lower Upper
112 100
114 30.9 25.6 38.4





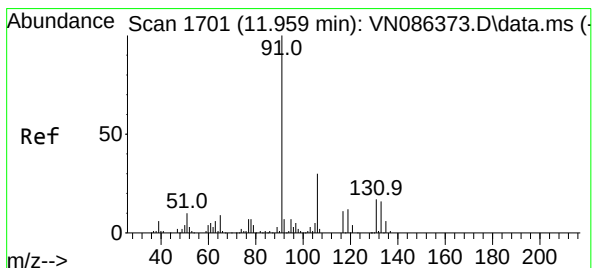
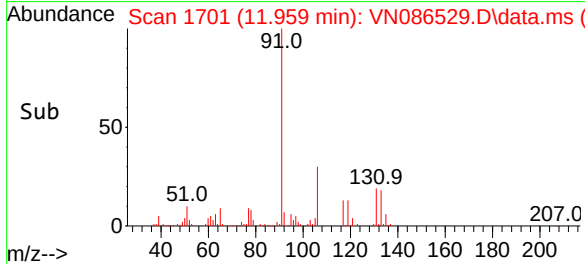
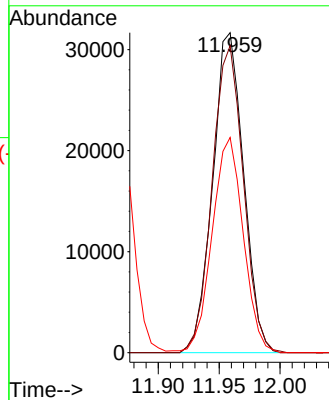
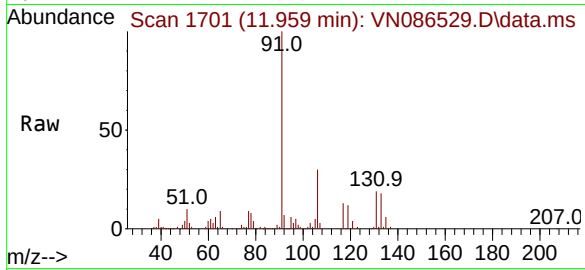
#65
1,1,1,2-Tetrachloroethane
Concen: 21.174 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	0.0	191.4
119	67.7	0.0	133.6

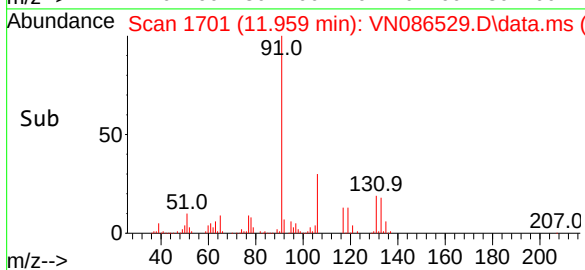
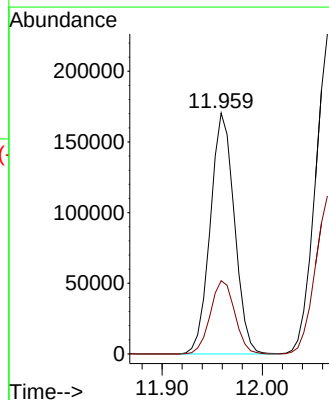
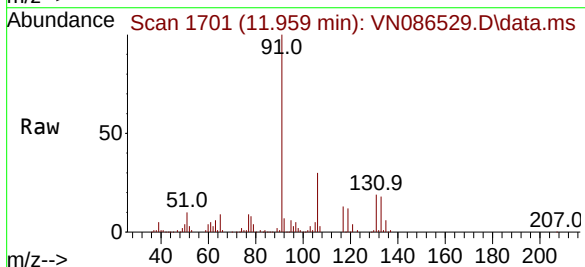
Manual Integrations
APPROVED

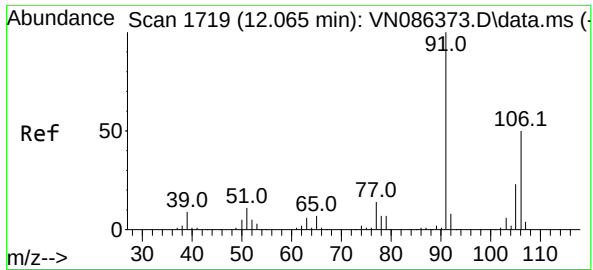
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#66
Ethyl Benzene
Concen: 19.937 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.3	36.5





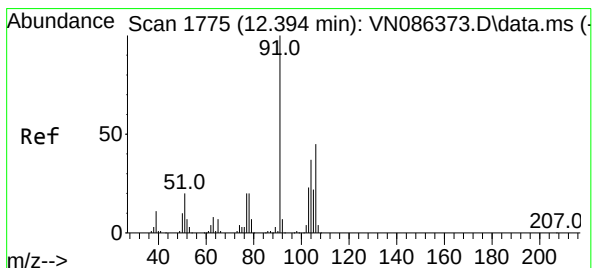
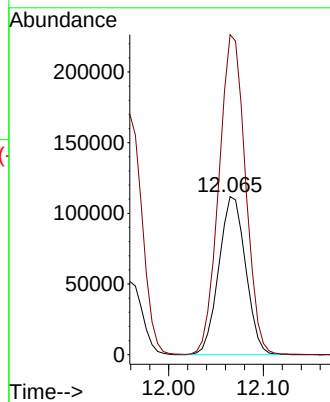
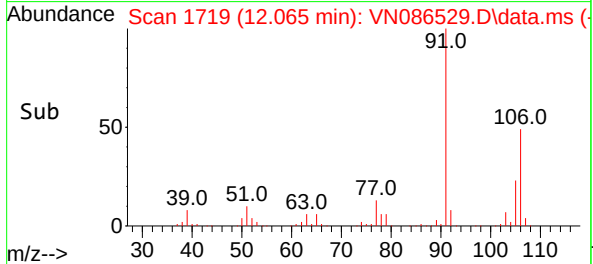
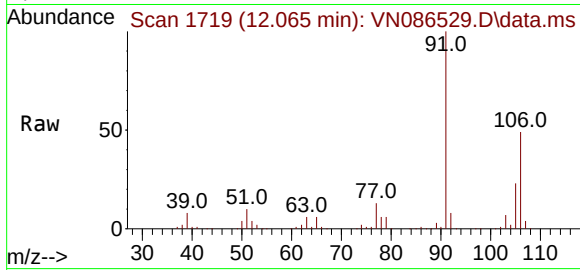
#67
m/p-Xylenes
Concen: 40.523 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion:106 Resp: 219872
Ion Ratio Lower Upper
106 100
91 200.3 162.6 243.8

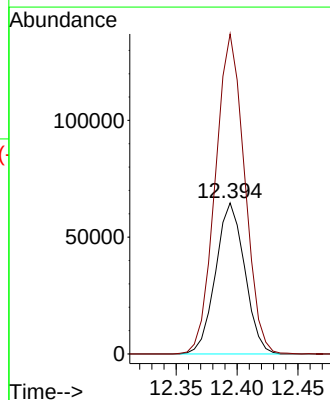
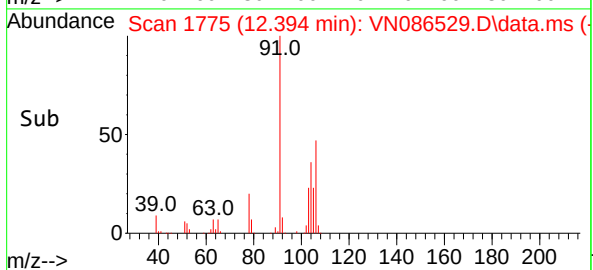
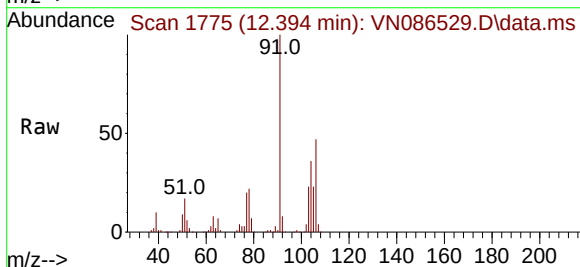
Manual Integrations
APPROVED

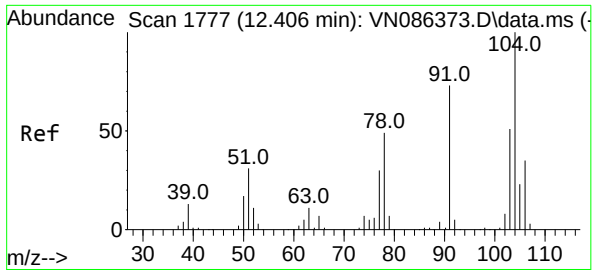
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#68
o-Xylene
Concen: 20.252 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

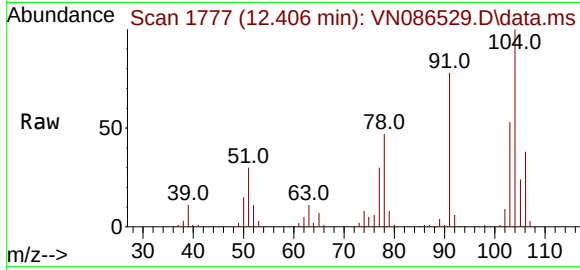
Tgt Ion:106 Resp: 107590
Ion Ratio Lower Upper
106 100
91 213.0 110.6 331.6





#69
Styrene
Concen: 19.425 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

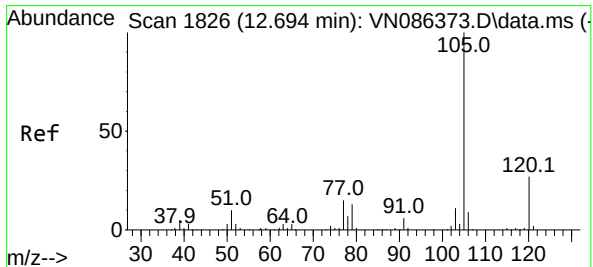
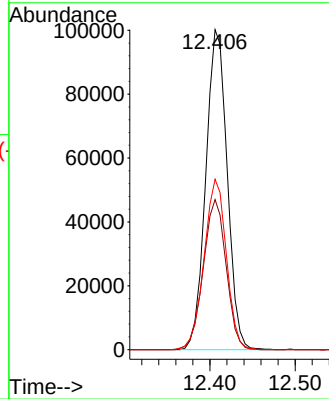
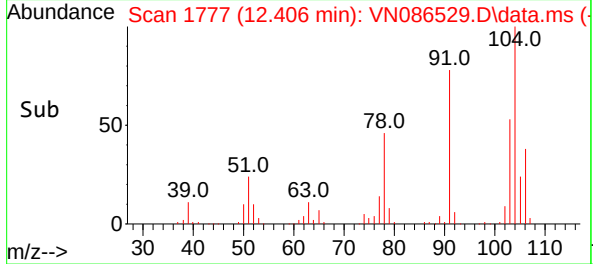
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



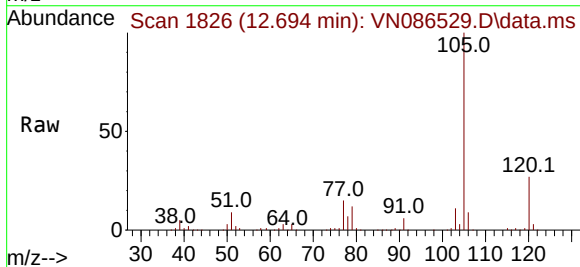
Tgt Ion:104 Resp: 17491
Ion Ratio Lower Upper
104 100
78 49.9 40.2 60.4
103 55.4 43.8 65.8

Manual Integrations
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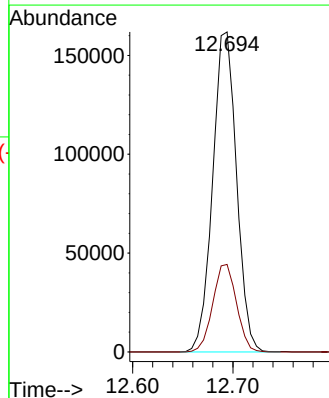
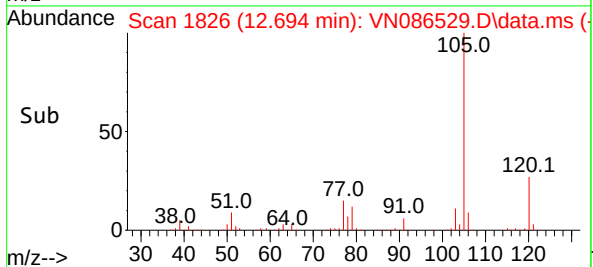
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

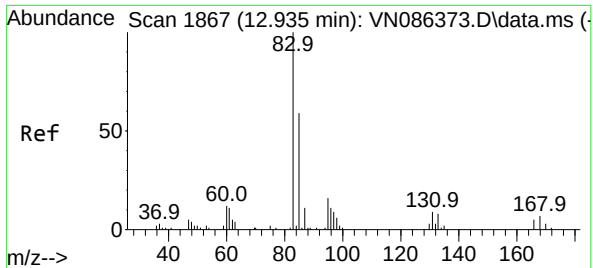


#70
Isopropylbenzene
Concen: 20.216 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38



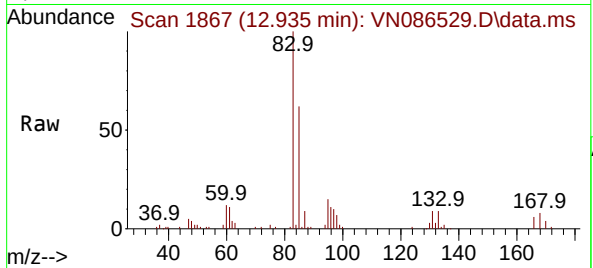
Tgt Ion:105 Resp: 268091
Ion Ratio Lower Upper
105 100
120 27.2 18.2 33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 20.740 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

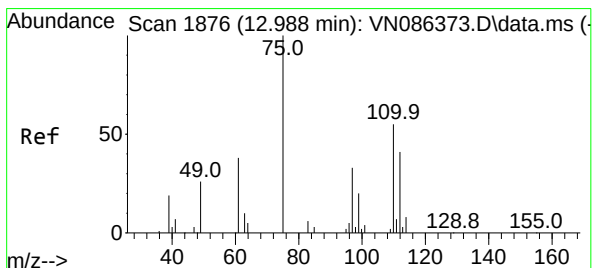
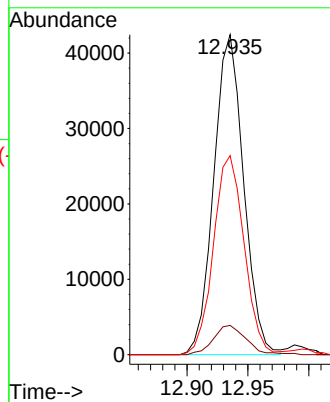
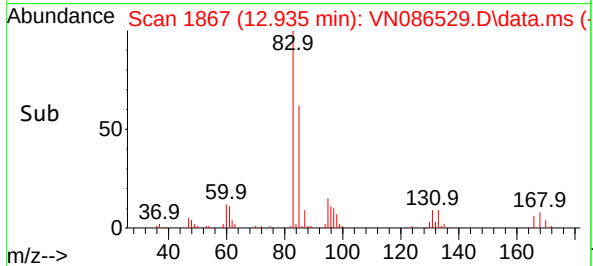
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



Tgt Ion: 83 Resp: 7242
Ion Ratio Lower Upper
83 100
131 10.0 4.5 13.7
85 63.6 31.7 95.1

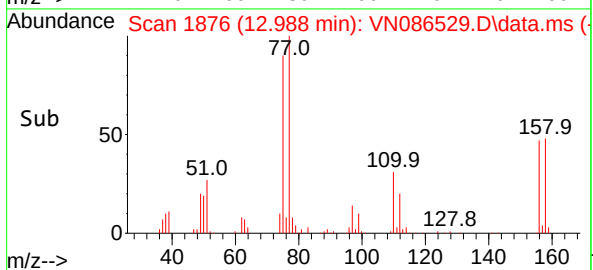
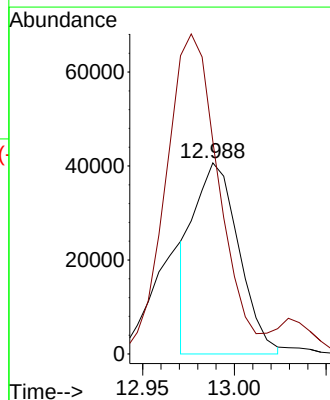
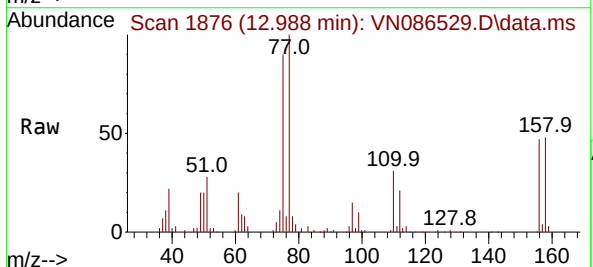
Manual Integrations
APPROVED

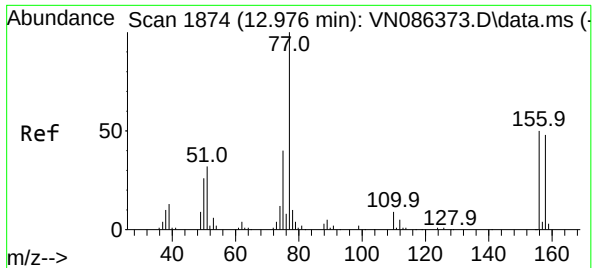
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#72
1,2,3-Trichloropropane
Concen: 22.837 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

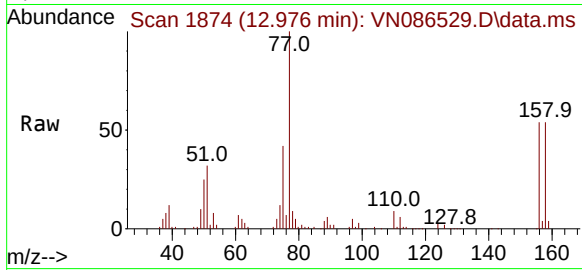
Tgt Ion: 75 Resp: 69523
Ion Ratio Lower Upper
75 100
77 195.3 0.0 464.4





#73
Bromobenzene
Concen: 21.011 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

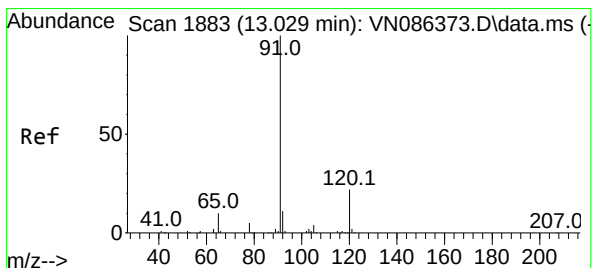
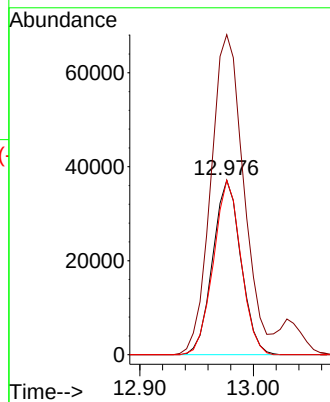
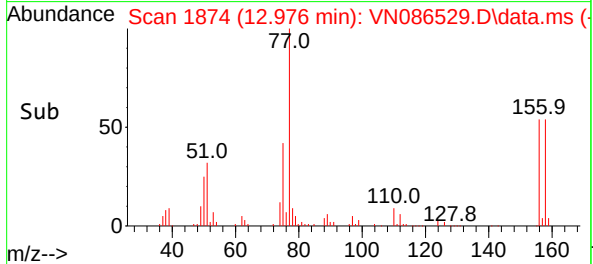
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



Tgt Ion:156 Resp: 6406
Ion Ratio Lower Upper
156 100
77 211.9 0.0 463.4
158 97.4 0.0 191.8

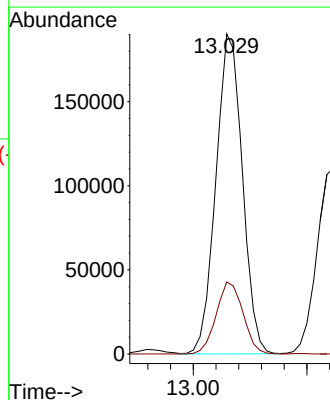
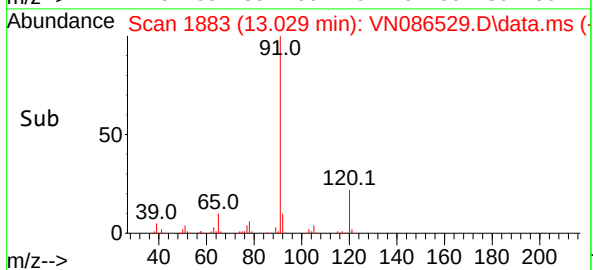
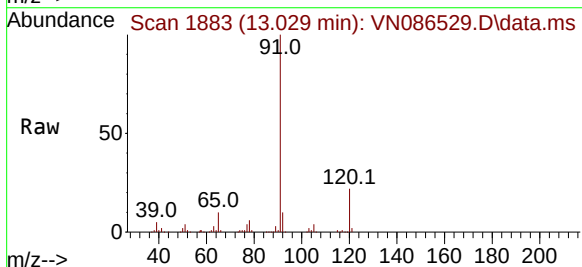
Manual Integrations
APPROVED

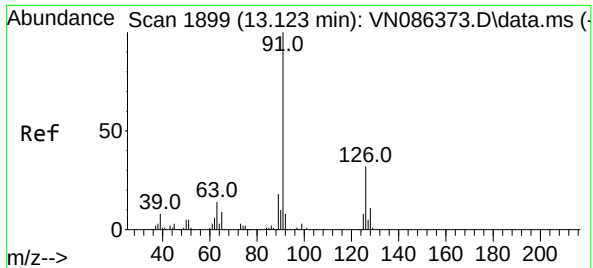
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#74
n-propylbenzene
Concen: 19.555 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion: 91 Resp: 308169
Ion Ratio Lower Upper
91 100
120 22.7 0.0 43.8





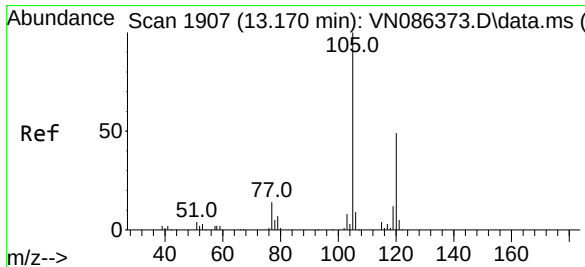
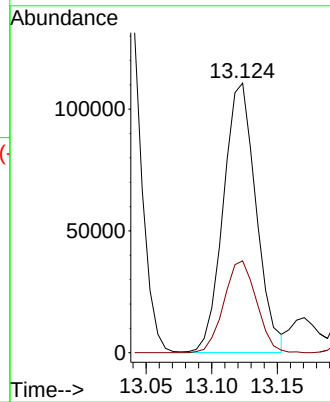
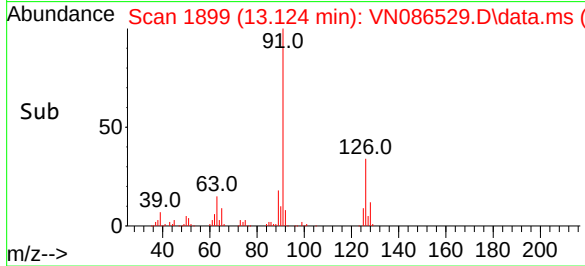
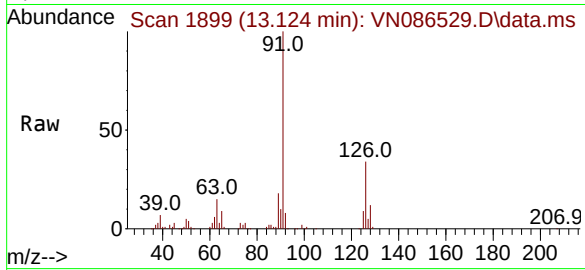
#75
2-Chlorotoluene
Concen: 19.557 ug/l
RT: 13.124 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion: 91 Resp: 192394
Ion Ratio Lower Upper
91 100
126 33.8 0.0 65.0

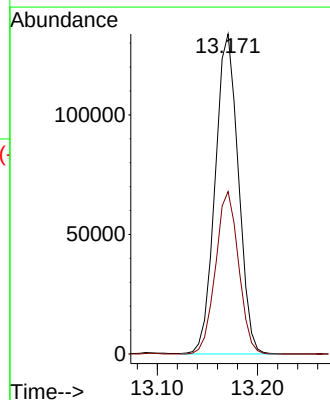
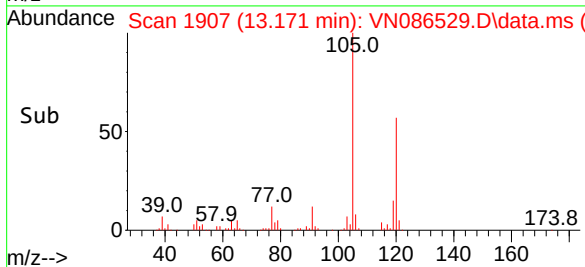
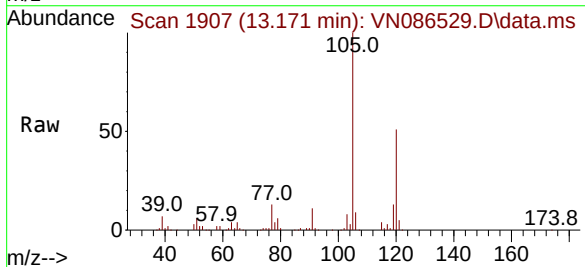
Manual Integrations
APPROVED

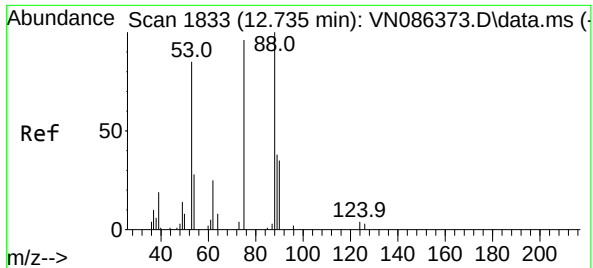
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#76
1,3,5-Trimethylbenzene
Concen: 19.771 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion:105 Resp: 215137
Ion Ratio Lower Upper
105 100
120 50.3 0.0 97.6





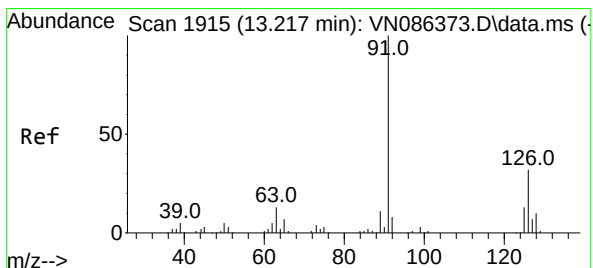
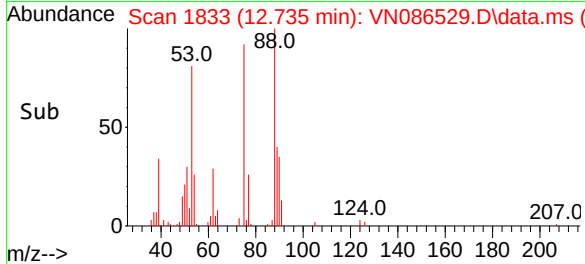
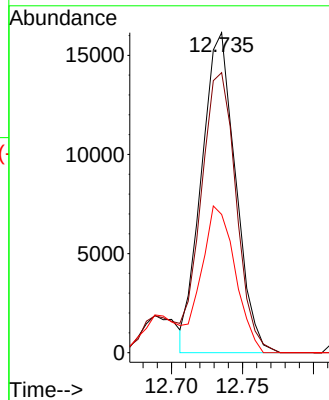
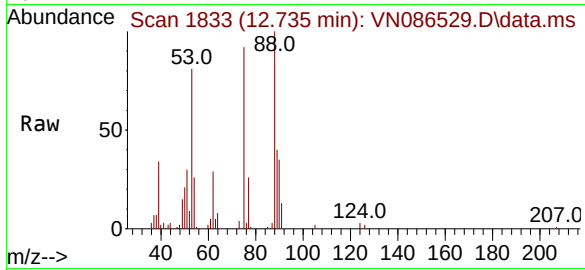
#77
t-1,4-Dichloro-2-butene
Concen: 17.418 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion: 75 Resp: 2691
Ion Ratio Lower Upper
75 100
53 87.5 46.0 138.0
89 43.2 21.6 64.6

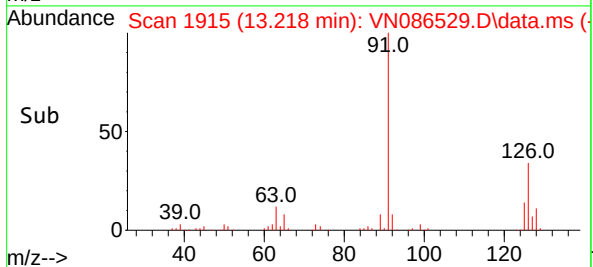
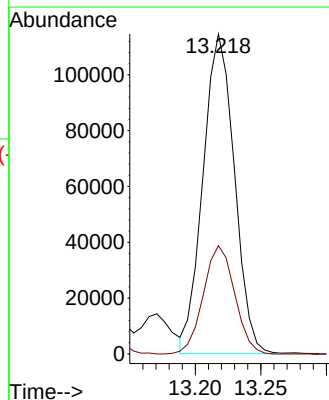
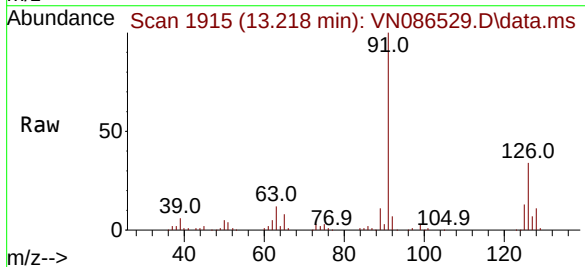
Manual Integrations
APPROVED

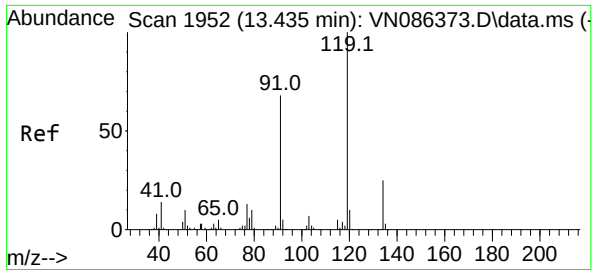
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#78
4-Chlorotoluene
Concen: 19.394 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

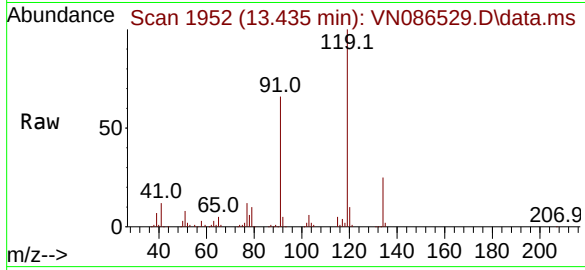
Tgt Ion: 91 Resp: 190763
Ion Ratio Lower Upper
91 100
126 33.8 0.0 65.4





#79
tert-butylbenzene
Concen: 20.210 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

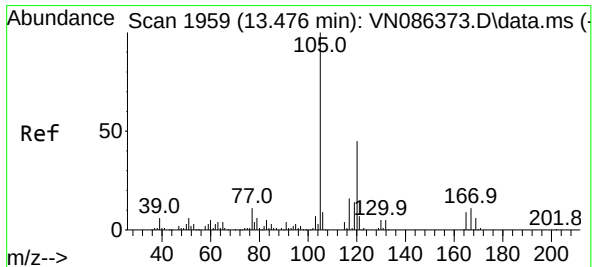
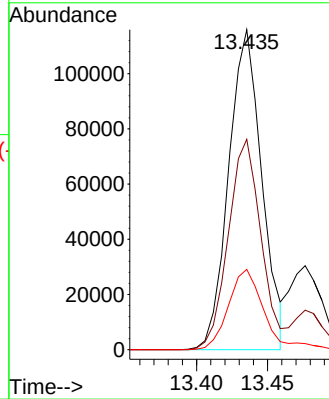
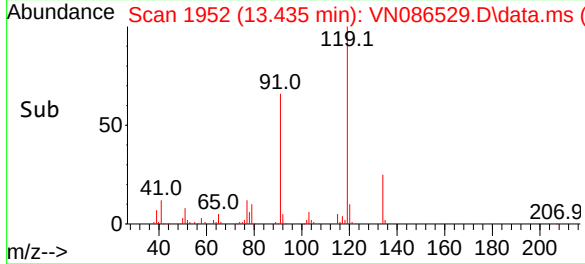
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



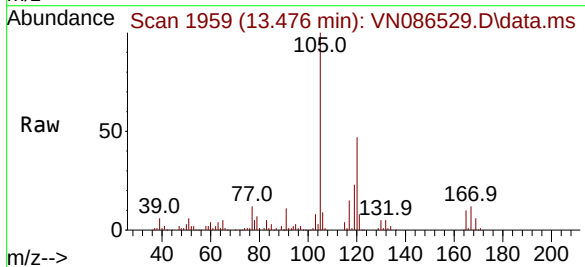
Tgt Ion:119 Resp: 188339
Ion Ratio Lower Upper
119 100
91 64.5 0.0 137.4
134 25.5 0.0 49.2

Manual Integrations
APPROVED

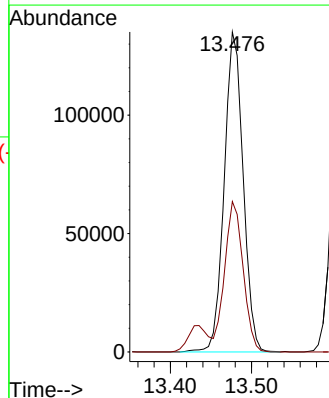
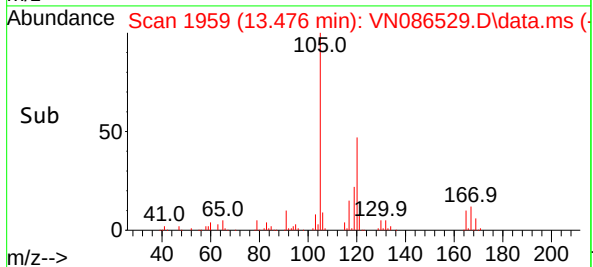
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

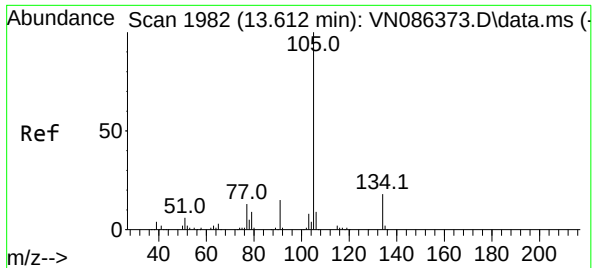


#80
1,2,4-Trimethylbenzene
Concen: 19.704 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38



Tgt Ion:105 Resp: 218972
Ion Ratio Lower Upper
105 100
120 45.7 0.0 87.6





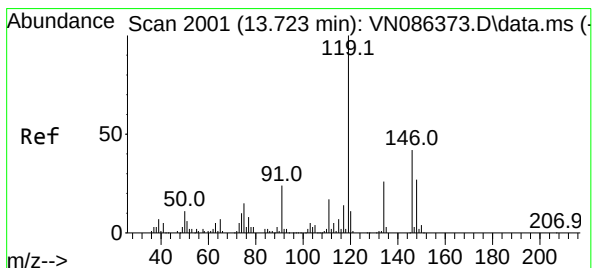
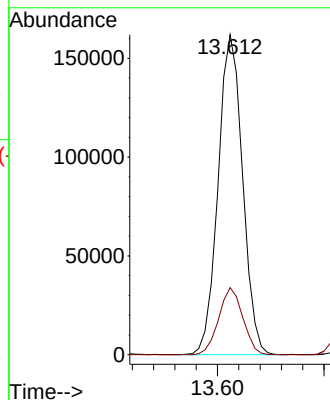
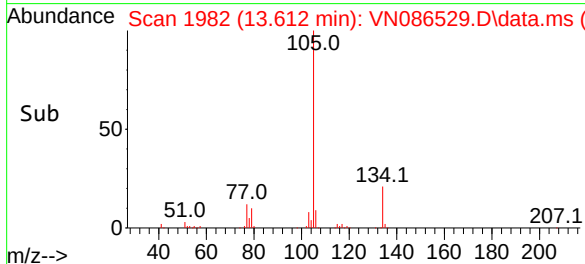
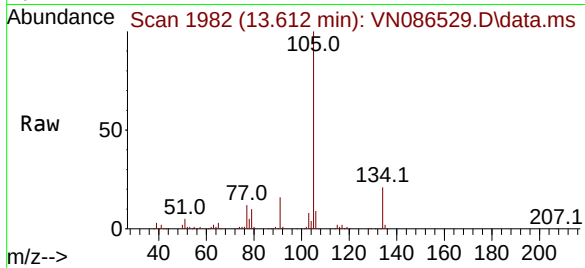
#81
sec-Butylbenzene
Concen: 19.398 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion:105 Resp: 258052
Ion Ratio Lower Upper
105 100
134 20.6 0.0 38.4

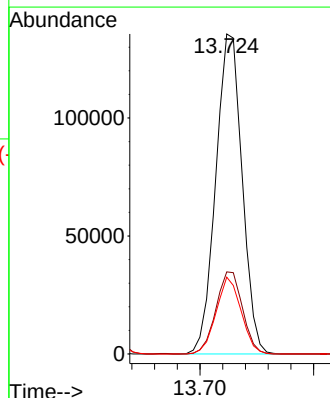
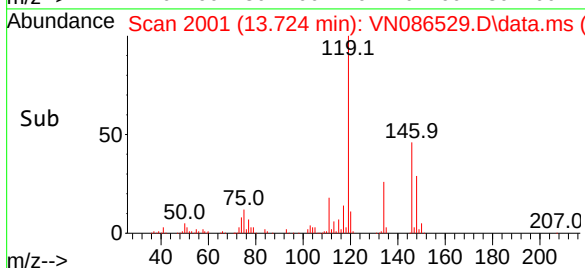
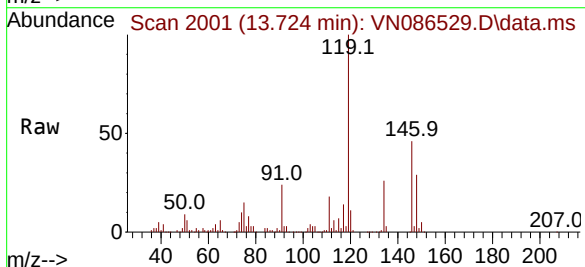
Manual Integrations
APPROVED

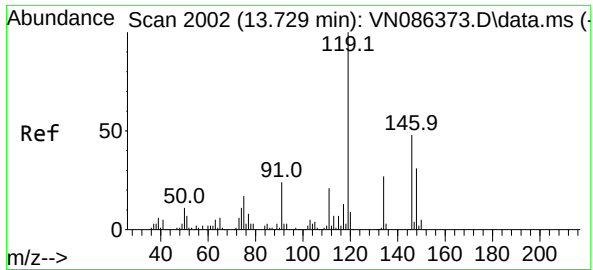
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#82
p-Isopropyltoluene
Concen: 19.662 ug/l
RT: 13.724 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

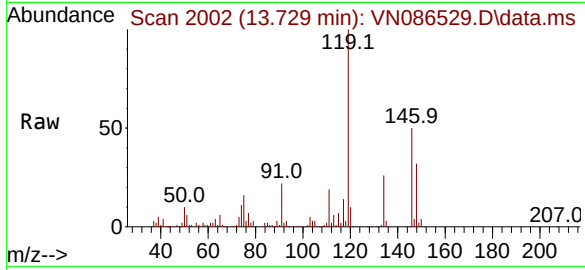
Tgt Ion:119 Resp: 218867
Ion Ratio Lower Upper
119 100
134 25.8 0.0 52.2
91 22.7 0.0 47.6





#83
1,3-Dichlorobenzene
Concen: 20.324 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

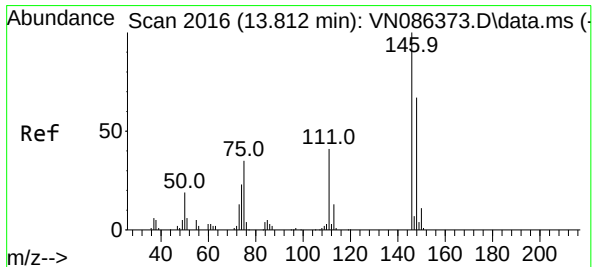
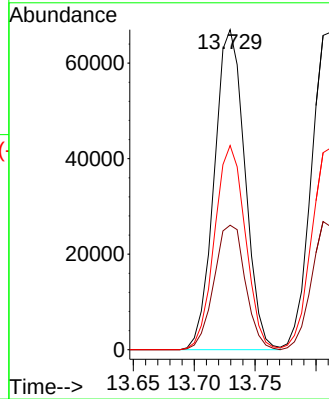
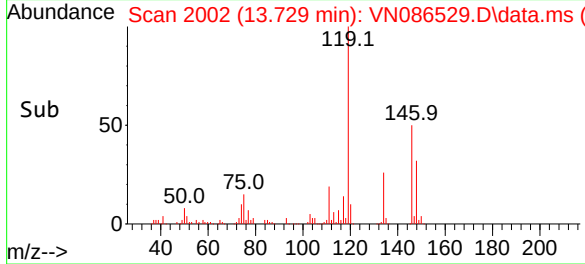
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



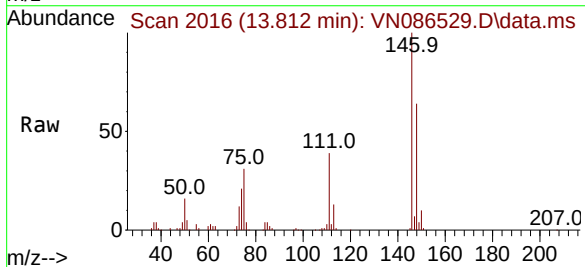
Tgt Ion:146 Resp: 11713
Ion Ratio Lower Upper
146 100
111 39.9 20.7 62.1
148 64.2 32.3 96.8

Manual Integrations
APPROVED

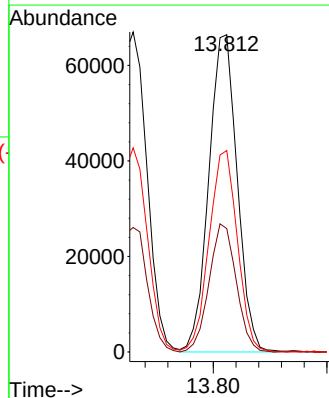
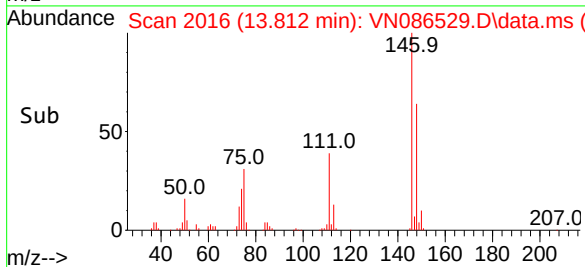
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

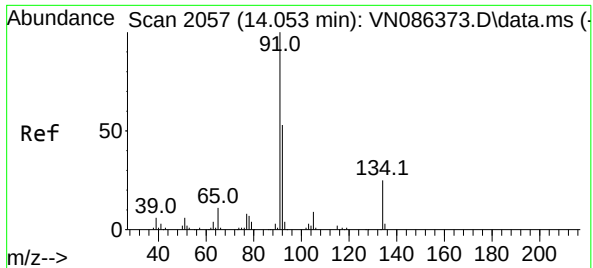


#84
1,4-Dichlorobenzene
Concen: 20.277 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38



Tgt Ion:146 Resp: 115464
Ion Ratio Lower Upper
146 100
111 38.6 20.3 60.8
148 63.2 32.4 97.2





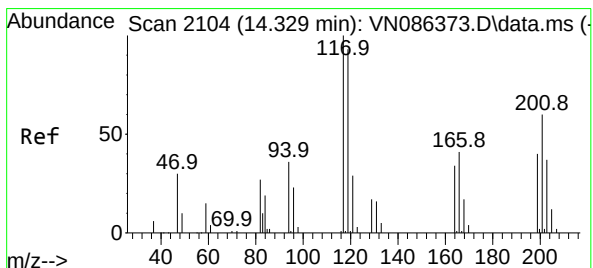
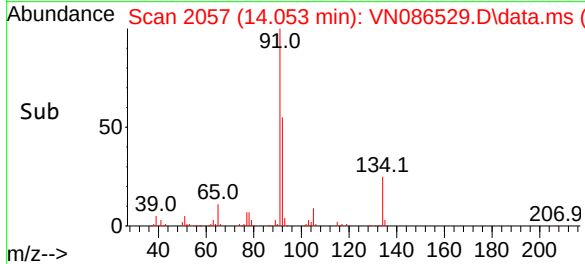
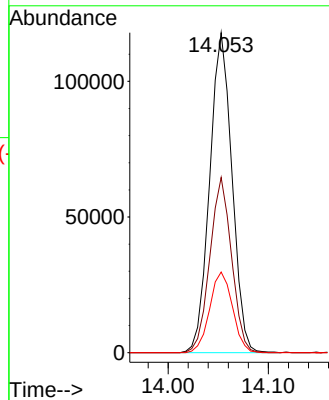
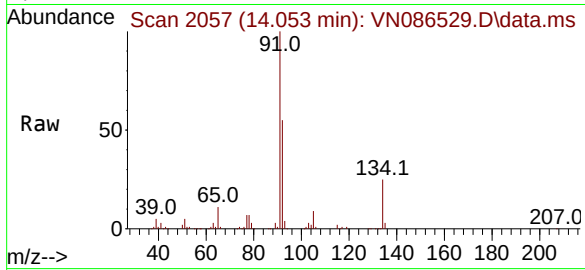
#85
n-Butylbenzene
Concen: 18.366 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tgt Ion: 91 Resp: 18241
Ion Ratio Lower Upper
91 100
92 53.3 0.0 107.2
134 25.8 0.0 48.2

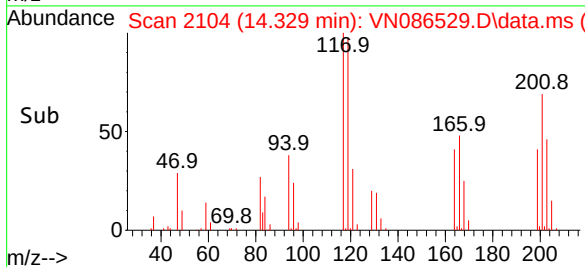
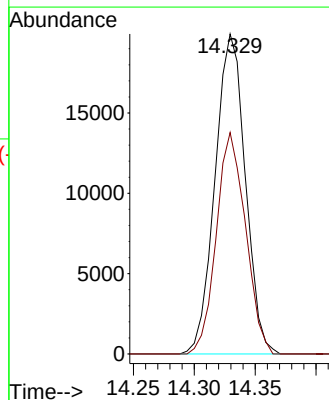
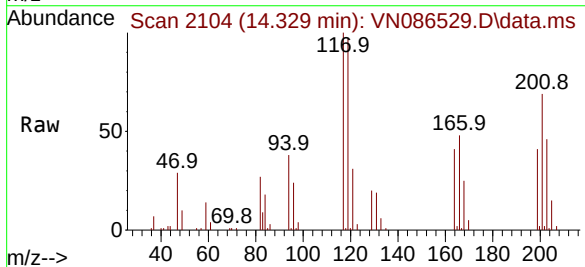
Manual Integrations
APPROVED

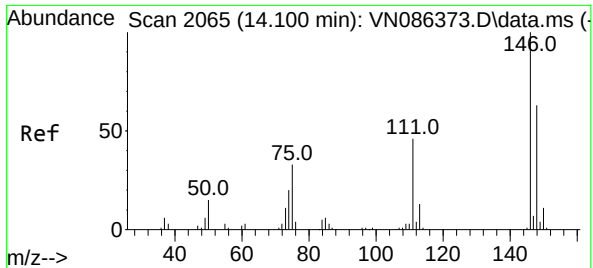
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#86
Hexachloroethane
Concen: 18.929 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion:117 Resp: 34453
Ion Ratio Lower Upper
117 100
201 66.8 31.7 95.1





#87

1,2-Dichlorobenzene

Concen: 20.548 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tgt Ion:146 Resp: 11268

Ion Ratio Lower Upper

146 100

111 42.0 22.1 66.3

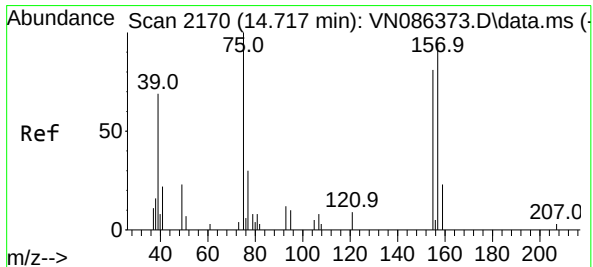
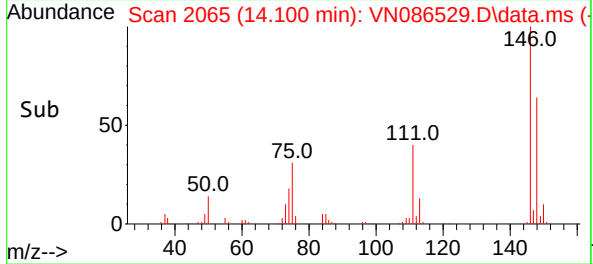
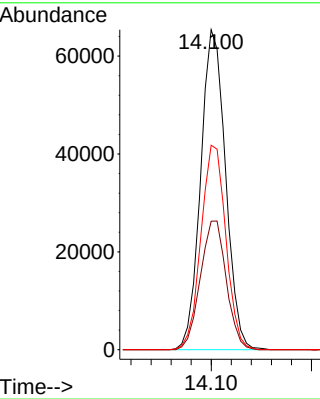
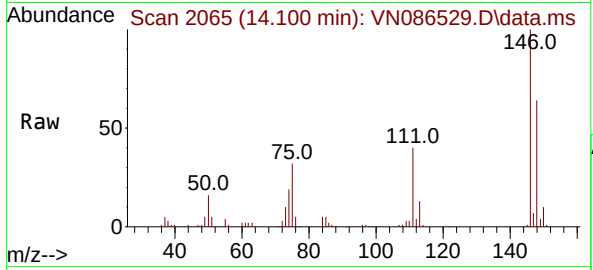
148 64.0 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.856 ug/l

RT: 14.712 min Scan# 2169

Delta R.T. -0.006 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

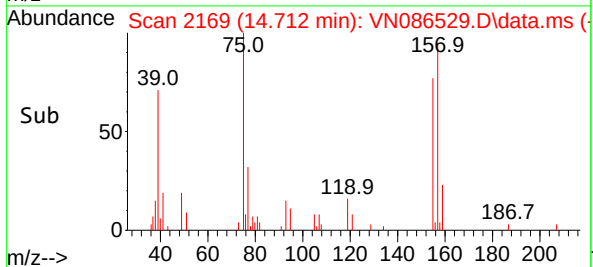
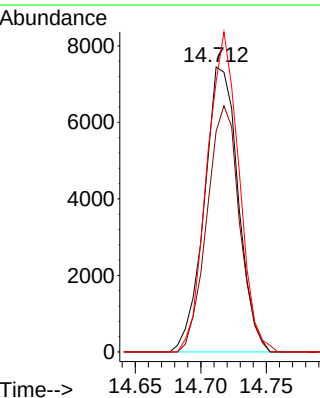
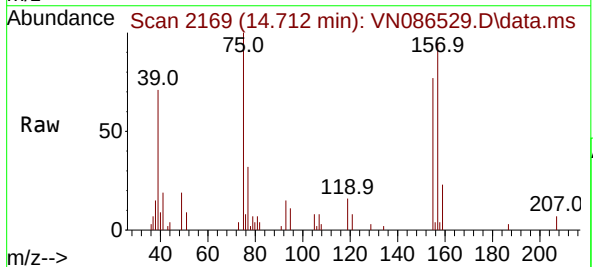
Tgt Ion: 75 Resp: 13383

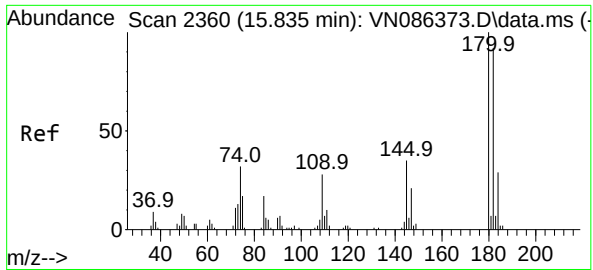
Ion Ratio Lower Upper

75 100

155 82.7 64.0 96.0

157 105.5 78.2 117.4





#89

1,2,4-Trichlorobenzene

Concen: 20.870 ug/l

RT: 15.835 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

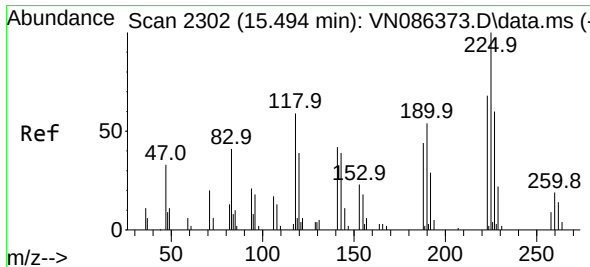
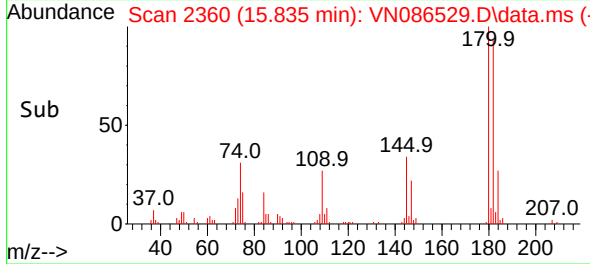
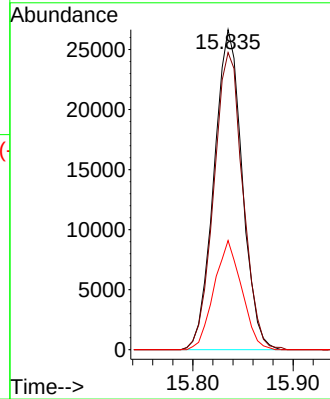
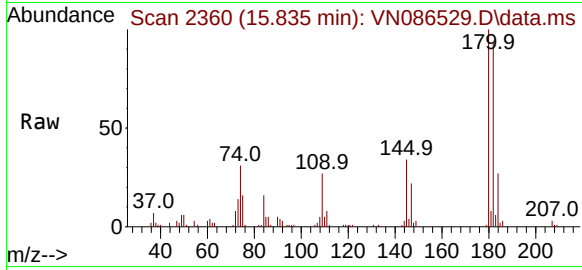
Tgt Ion:	180	Resp:	5216
Ion Ratio	Lower	Upper	
180	100		
182	95.4	74.8	112.2
145	33.5	26.9	40.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#90

Hexachlorobutadiene

Concen: 21.611 ug/l

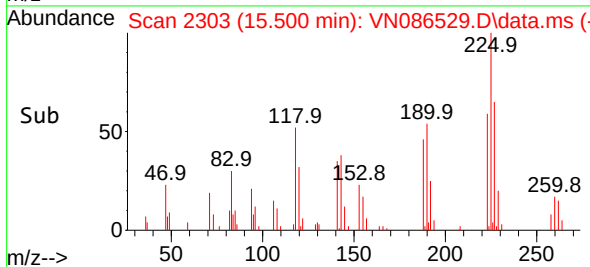
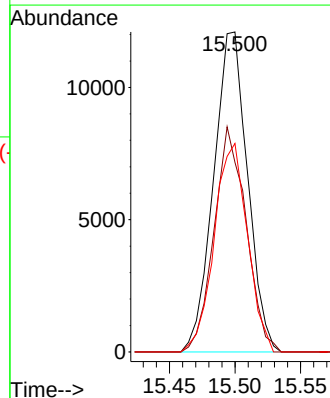
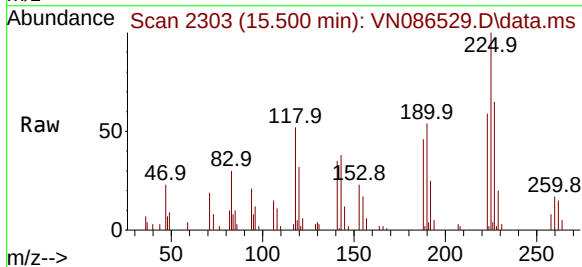
RT: 15.500 min Scan# 2303

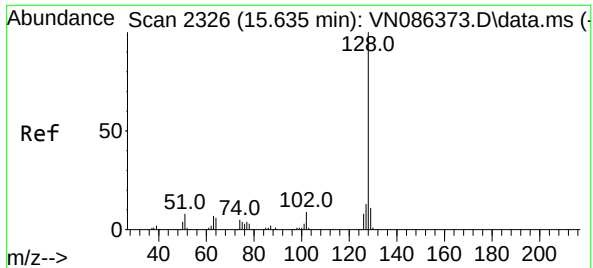
Delta R.T. 0.006 min

Lab File: VN086529.D

Acq: 07 May 2025 11:38

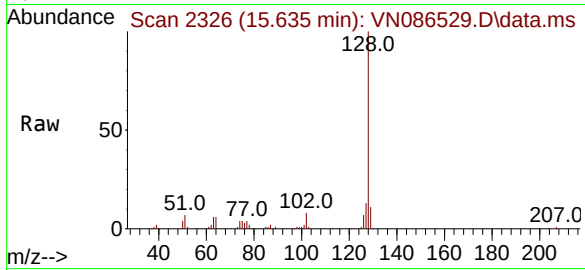
Tgt Ion:	225	Resp:	21757
Ion Ratio	Lower	Upper	
225	100		
223	66.5	0.0	128.8
227	63.9	0.0	120.2





#91
Naphthalene
Concen: 19.725 ug/l
RT: 15.635 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

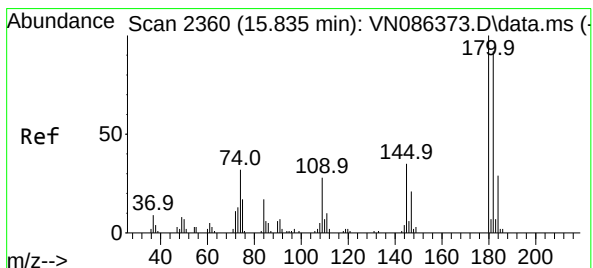
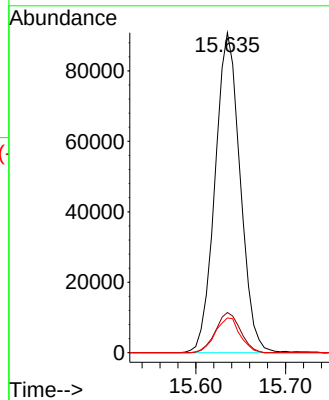
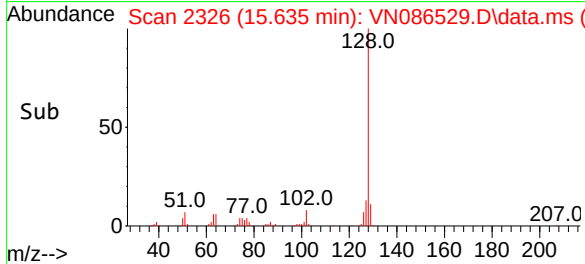
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01



Tgt Ion:128 Resp: 176502
Ion Ratio Lower Upper
128 100
127 12.4 10.6 15.8
129 10.7 8.7 13.1

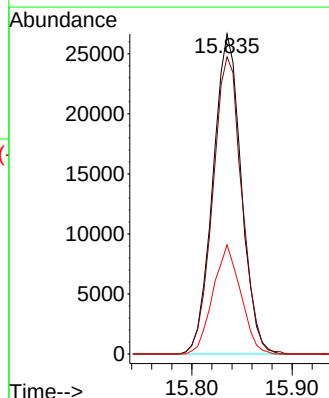
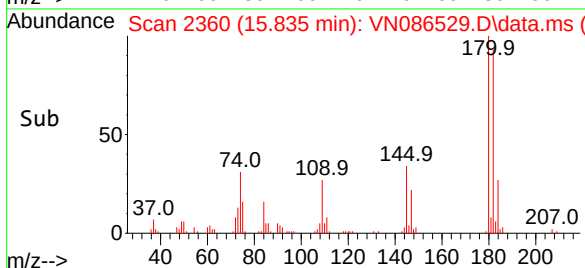
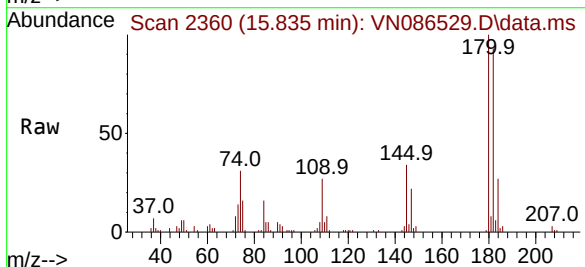
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#92
1,2,3-Trichlorobenzene
Concen: 20.870 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086529.D
Acq: 07 May 2025 11:38

Tgt Ion:180 Resp: 52162
Ion Ratio Lower Upper
180 100
182 95.4 0.0 187.0
145 33.5 0.0 67.2



Report of Analysis

Client:	Tully Environmental, Inc			Date Collected:	
Project:	Transfer Station-SPDES			Date Received:	
Client Sample ID:	VN0507WBSD01			SDG No.:	Q1949
Lab Sample ID:	VN0507WBSD01			Matrix:	Water
Analytical Method:	E624.1			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-BTEX
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086530.D	1		05/07/25 12:12	VN050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	19.9		0.45	5.00	ug/L
108-88-3	Toluene	20.1		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	40.9		1.30	10.0	ug/L
95-47-6	o-Xylene	20.8		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	27.6		91 - 110	92%	SPK: 30
2037-26-5	Toluene-d8	28.9		91 - 112	96%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.6		63 - 112	99%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	35500	7.812			
540-36-3	1,4-Difluorobenzene	202000	9.1			
3114-55-4	Chlorobenzene-d5	188000	11.865			

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\VN050725\
 Data File : VN086530.D
 Acq On : 07 May 2025 12:12
 Operator : JC\MD
 Sample : VN0507WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

Quant Time: May 08 03:25:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	35494	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	201715	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	188357	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	94332	27.566	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	91.900%		
60) 4-Bromofluorobenzene	12.847	95	109626	29.612	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.700%		
63) Toluene-d8	10.565	98	299141	28.868	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.233%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	48358	19.734	ug/l	99
3) Chloromethane	2.359	50	59844	17.192	ug/l	98
4) Vinyl Chloride	2.518	62	57874	17.359	ug/l	100
5) Bromomethane	2.959	94	34455	19.795	ug/l	95
6) Chloroethane	3.124	64	38635	17.383	ug/l	91
7) Trichlorofluoromethane	3.501	101	79435	20.186	ug/l	99
8) Diethyl Ether	3.959	74	32897	19.804	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	47735	19.731	ug/l	96
10) 1,1-Dichloroethene	4.342	96	47673	19.253	ug/l	95
11) Methyl Iodide	4.595	142	59987	20.705	ug/l	99
12) Methyl Acetate	5.024	43	61433	17.504	ug/l	98
13) Acrolein	4.177	56	20545	127.950	ug/l	99
14) Acrylonitrile	5.712	53	126412	96.775	ug/l	100
15) Acetone	4.430	58	33336	92.615	ug/l	88
16) Carbon Disulfide	4.712	76	121197	18.575	ug/l	97
17) Allyl chloride	5.018	41	71444	18.044	ug/l	97
18) Methylene Chloride	5.271	84	56472	20.026	ug/l	95
19) trans-1,2-Dichloroethene	5.789	96	50902	19.286	ug/l	92
20) Diisopropyl ether	6.665	45	166107	17.645	ug/l	95
21) 1,1-Dichloroethane	6.559	63	94261	18.292	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	64880	19.659	ug/l	92
23) tert-Butyl Alcohol	5.518	59	55198	109.083	ug/l #	20
24) Methyl tert-Butyl Ether	5.795	73	178596	19.522	ug/l	98
25) Chloroform	7.959	83	99872	19.150	ug/l	97
26) Cyclohexane	8.253	56	78349	17.220	ug/l #	93
29) 1,1-Dichloropropene	8.371	75	68645	19.304	ug/l	98
30) 2-Butanone	7.477	43	168945	97.882	ug/l	97
31) 2,2-Dichloropropane	7.483	77	88081	19.268	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	87851	20.674	ug/l	97
33) Carbon Tetrachloride	8.359	117	72840	20.822	ug/l	96
34) Benzene	8.600	78	224594	19.857	ug/l	96
35) Methacrylonitrile	7.777	41	37562	19.078	ug/l	96
36) 1,2-Dichloroethane	8.665	62	76687	20.883	ug/l	100
37) Trichloroethene	9.347	130	57987	20.479	ug/l	93
38) Methylcyclohexane	9.600	83	79501	19.357	ug/l	97
39) 1,2-Dichloropropane	9.618	63	52885	18.927	ug/l	100
40) Dibromomethane	9.706	93	39216	20.987	ug/l	92
41) Bromodichloromethane	9.883	83	79793	20.179	ug/l	99
42) Vinyl Acetate	6.594	43	606311	101.406	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086530.D
 Acq On : 07 May 2025 12:12
 Operator : JC\MD
 Sample : VN0507WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

Quant Time: May 08 03:25:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	69441	20.330	ug/l	93
44) Isopropyl Acetate	8.683	43	126204	19.468	ug/l	100
45) 1,4-Dioxane	9.688	88	24540	485.168	ug/l	94
46) Methyl methacrylate	9.677	41	56030	18.737	ug/l	94
47) n-amyl Acetate	12.488	43	106069	19.196	ug/l	98
48) t-1,3-Dichloropropene	10.829	75	87424	19.775	ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	92401	19.820	ug/l	94
50) 1,1,2-Trichloroethane	11.012	97	55160	21.134	ug/l	95
51) Ethyl methacrylate	10.871	69	90887	19.994	ug/l	95
52) 1,3-Dichloropropane	11.159	76	94064	20.391	ug/l	100
53) Dibromochloromethane	11.359	129	61859	21.107	ug/l	99
54) 1,2-Dibromoethane	11.465	107	56670	21.354	ug/l	98
55) 2-Chloroethyl vinyl ether	10.153	63	184254	86.214	ug/l	98
56) Bromoform	12.576	173	42539	22.367	ug/l #	98
58) 4-Methyl-2-Pentanone	10.441	43	355187	97.446	ug/l	98
59) 2-Hexanone	11.188	43	262266	97.639	ug/l	97
61) Tetrachloroethene	11.100	164	61396	21.371	ug/l	96
62) Toluene	10.624	91	253424	20.101	ug/l	99
64) Chlorobenzene	11.888	112	166183	21.154	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	56243	21.412	ug/l	99
66) Ethyl Benzene	11.959	91	282450	19.903	ug/l	100
67) m/p-Xylenes	12.071	106	220481	40.946	ug/l	99
68) o-Xylene	12.394	106	109838	20.833	ug/l	96
69) Styrene	12.406	104	180117	20.156	ug/l	99
70) Isopropylbenzene	12.694	105	269453	20.474	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	75821	21.880	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	61562m	20.377	ug/l	
73) Bromobenzene	12.976	156	66561	21.999	ug/l	91
74) n-propylbenzene	13.029	91	309316	19.778	ug/l	97
75) 2-Chlorotoluene	13.123	91	199141	20.398	ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	220686	20.436	ug/l	99
77) t-1,4-Dichloro-2-butene	12.729	75	28687	18.710	ug/l	97
78) 4-Chlorotoluene	13.218	91	193400	19.812	ug/l	97
79) tert-butylbenzene	13.435	119	191217	20.676	ug/l	97
80) 1,2,4-Trimethylbenzene	13.476	105	220815	20.022	ug/l	96
81) sec-Butylbenzene	13.612	105	261721	19.825	ug/l	98
82) p-Isopropyltoluene	13.723	119	223219	20.207	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	119739	20.935	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	116786	20.666	ug/l	99
85) n-Butylbenzene	14.053	91	180529	18.315	ug/l	98
86) Hexachloroethane	14.329	117	34268	18.971	ug/l	94
87) 1,2-Dichlorobenzene	14.100	146	114170	20.979	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	13556	19.246	ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	51392	20.719	ug/l	99
90) Hexachlorobutadiene	15.494	225	20406	20.424	ug/l	96
91) Naphthalene	15.635	128	173847	19.577	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	51392	20.719	ug/l	99

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

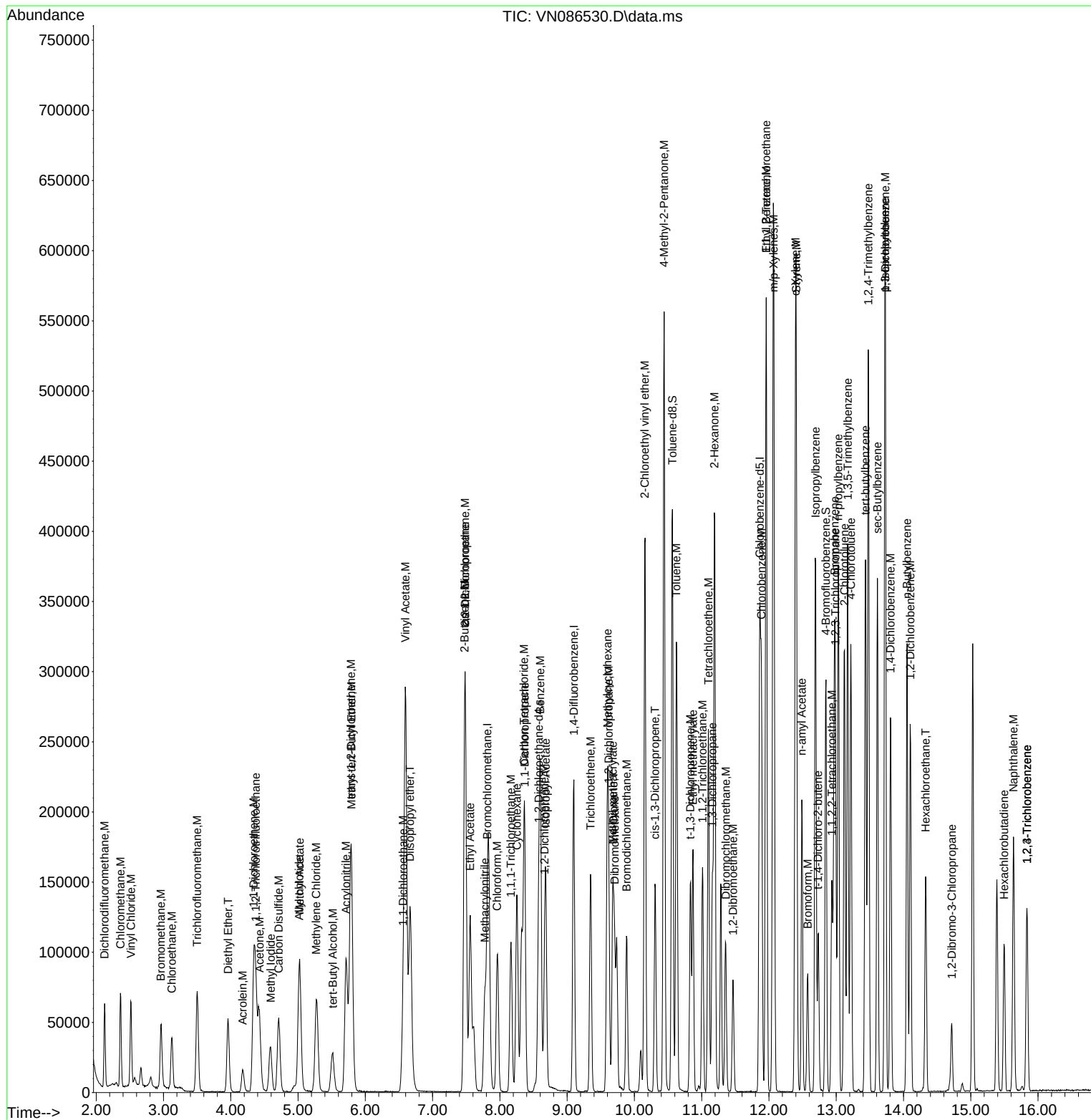
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Data File : VN086530.D
Acq On : 07 May 2025 12:12
Operator : JC\MD
Sample : VN0507WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

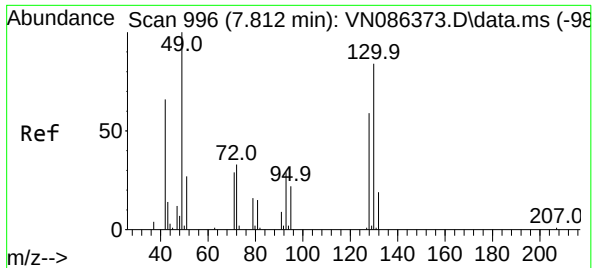
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

Quant Time: May 08 03:25:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration





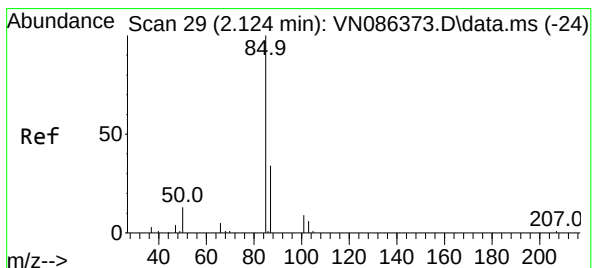
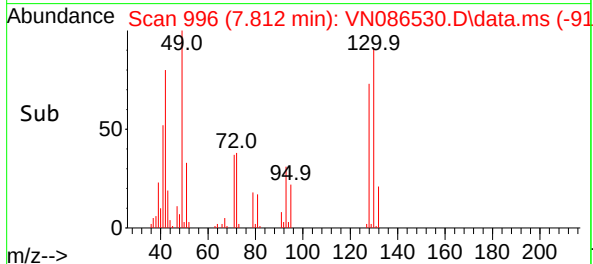
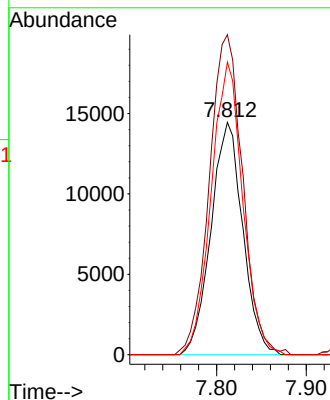
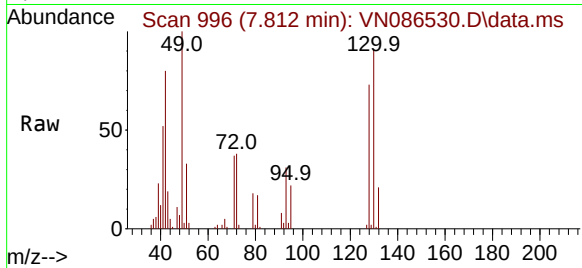
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
49	144.0	0.0	433.8
130	125.2	0.0	325.0

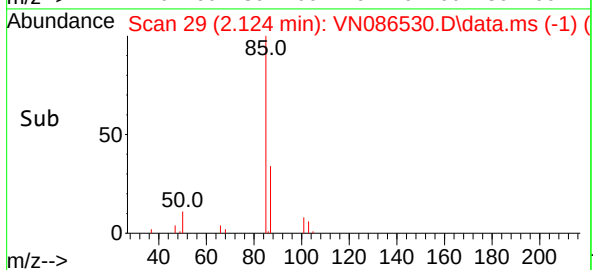
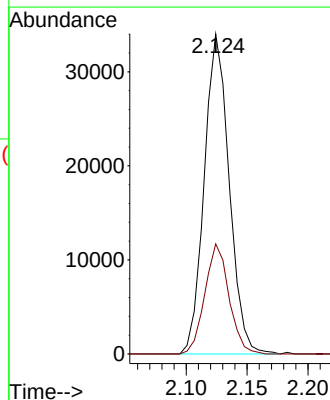
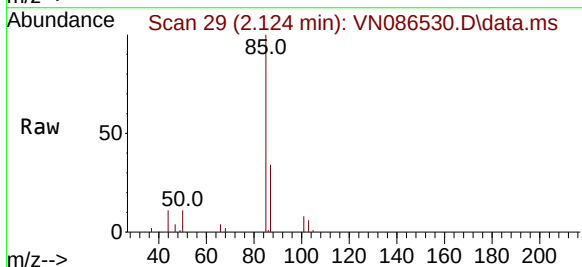
Manual Integrations
APPROVED

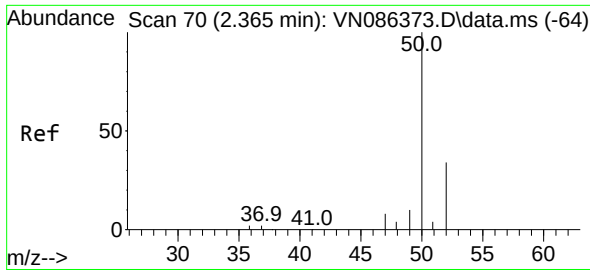
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#2
Dichlorodifluoromethane
Concen: 19.734 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.4	17.0	50.9





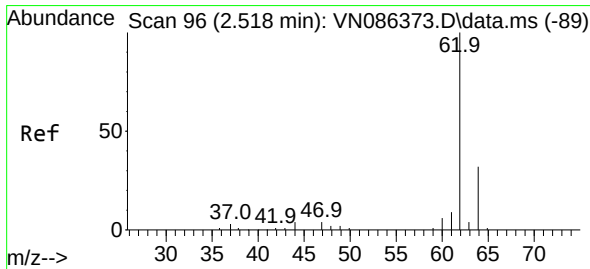
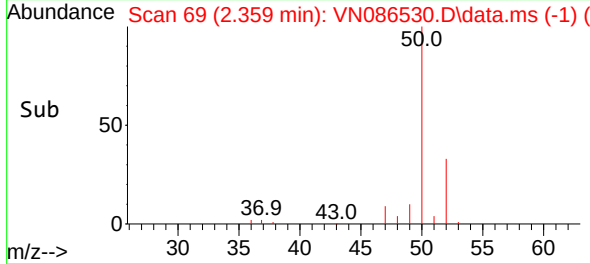
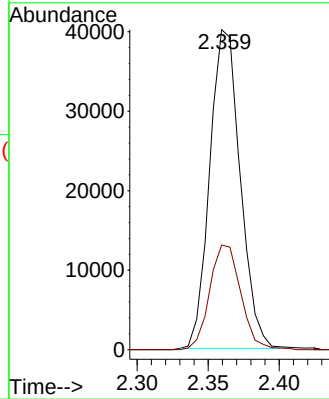
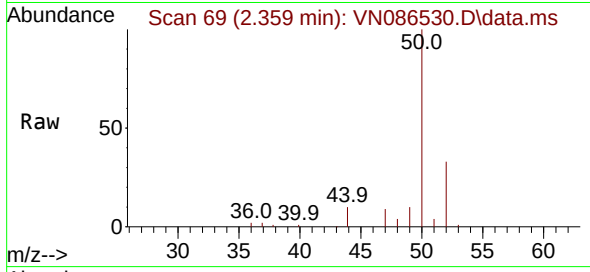
#3
Chloromethane
Concen: 17.192 ug/l
RT: 2.359 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tgt Ion: 50 Resp: 5984
Ion Ratio Lower Upper
50 100
52 32.8 27.3 40.9

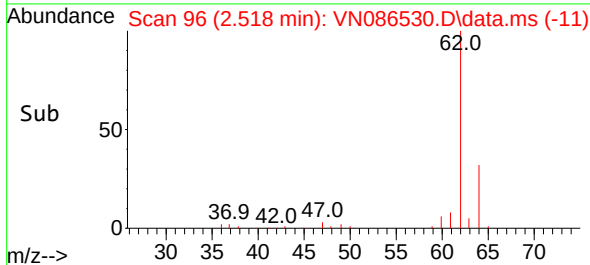
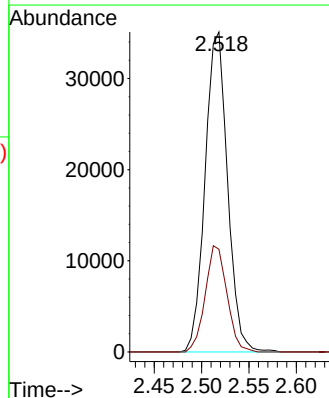
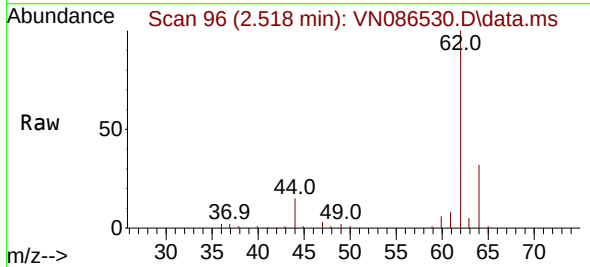
Manual Integrations
APPROVED

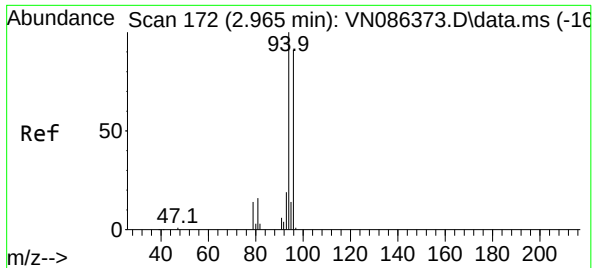
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#4
Vinyl Chloride
Concen: 17.359 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

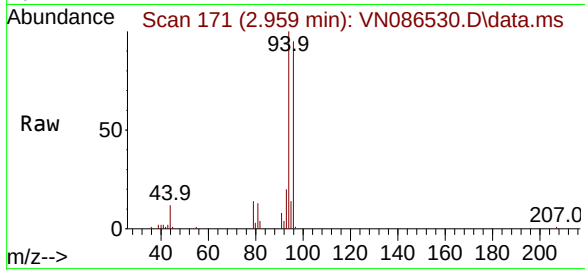
Tgt Ion: 62 Resp: 57874
Ion Ratio Lower Upper
62 100
64 32.1 25.8 38.8





#5
Bromomethane
Concen: 19.795 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

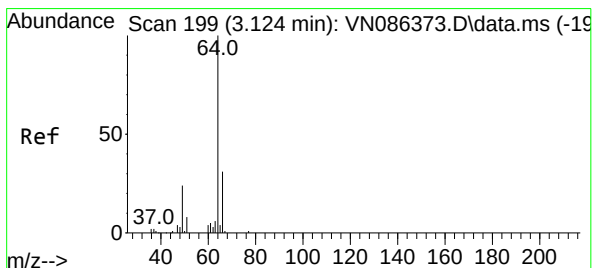
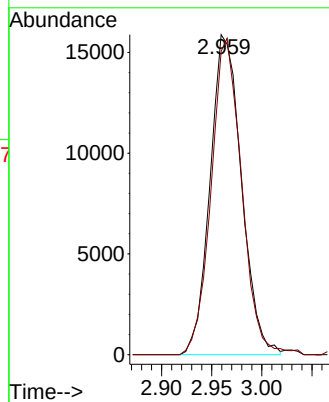
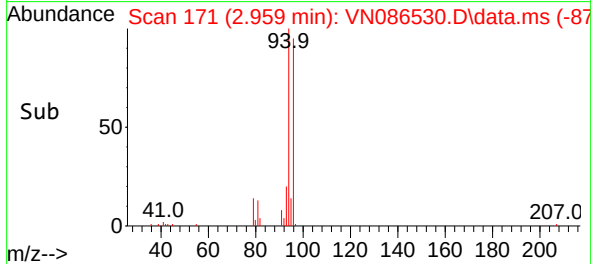
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 94 Resp: 3445
Ion Ratio Lower Upper
94 100
96 94.8 72.4 108.6

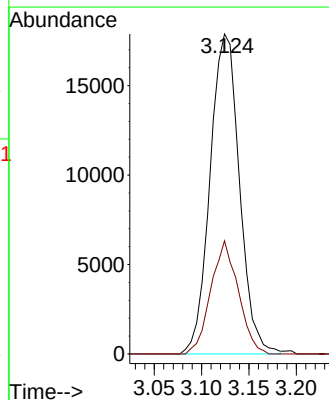
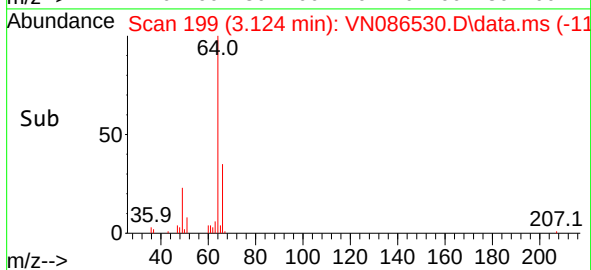
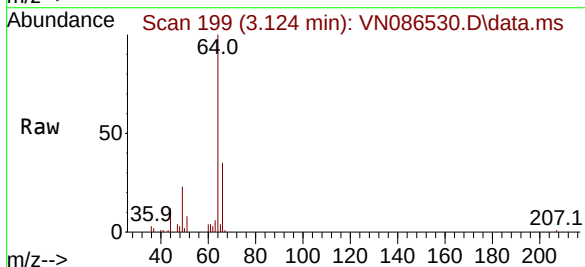
Manual Integrations
APPROVED

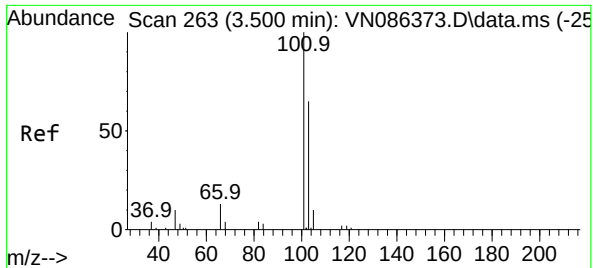
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#6
Chloroethane
Concen: 17.383 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

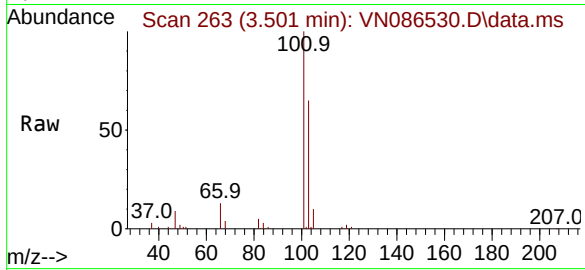
Tgt Ion: 64 Resp: 38635
Ion Ratio Lower Upper
64 100
66 35.3 24.5 36.7





#7
Trichlorofluoromethane
Concen: 20.186 ug/l
RT: 3.501 min Scan# 263
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

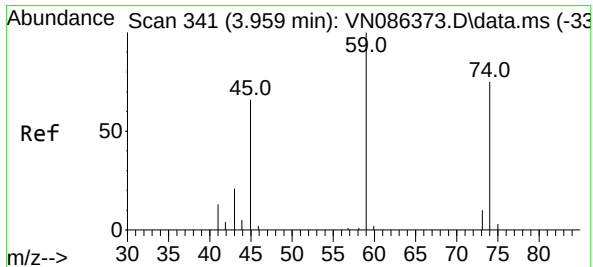
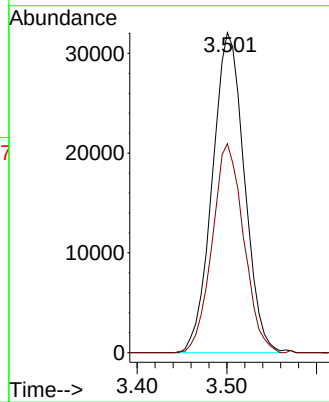
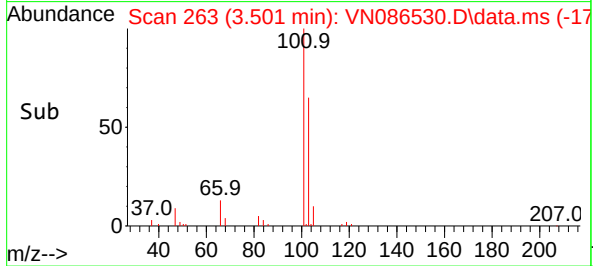
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 101 Resp: 79438
Ion Ratio Lower Upper
101 100
103 65.3 51.8 77.6

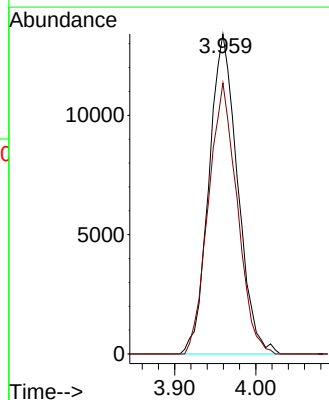
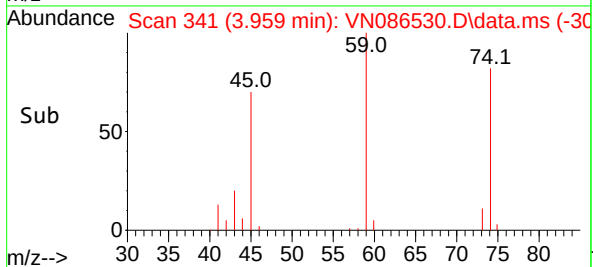
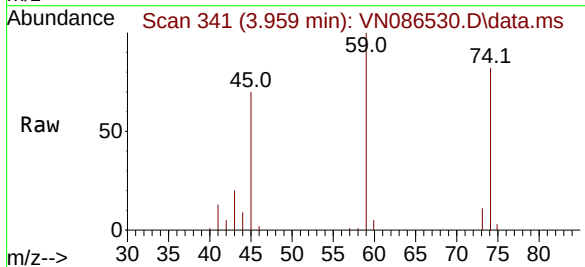
Manual Integrations
APPROVED

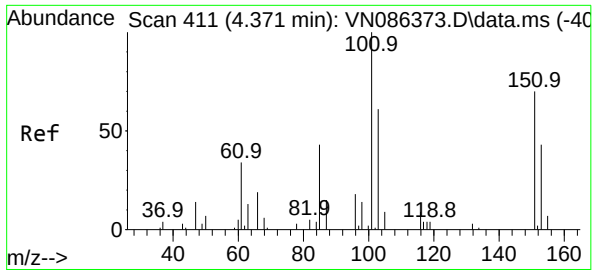
Reviewed By : John Carlone 05/08/2025
Supervised By : Mahesh Dadoda 05/08/2025



#8
Diethyl Ether
Concen: 19.804 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion: 74 Resp: 32897
Ion Ratio Lower Upper
74 100
45 84.9 18.5 166.3





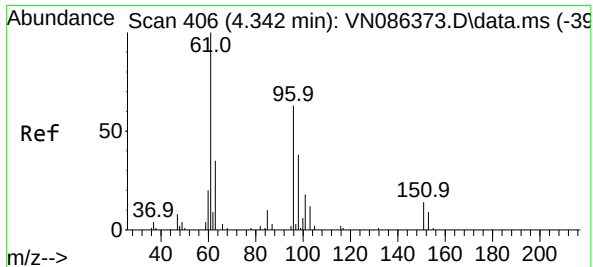
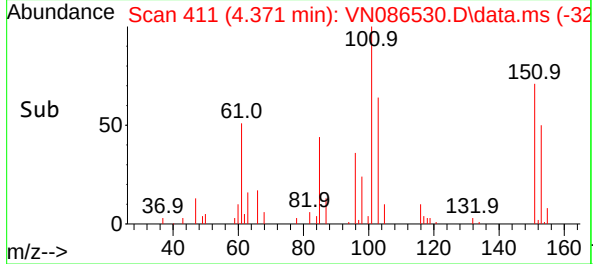
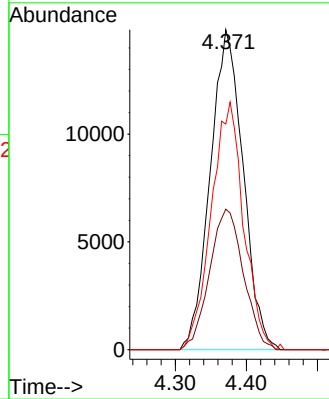
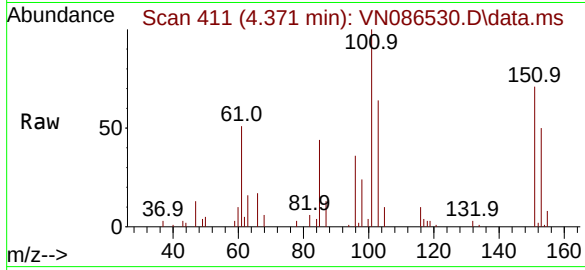
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.731 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tgt Ion: 101 Resp: 4773
Ion Ratio Lower Upper
101 100
85 45.3 0.0 84.4
151 76.1 0.0 145.8

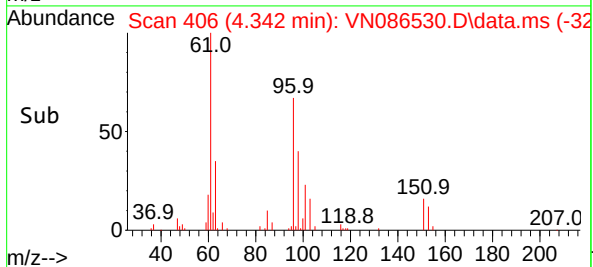
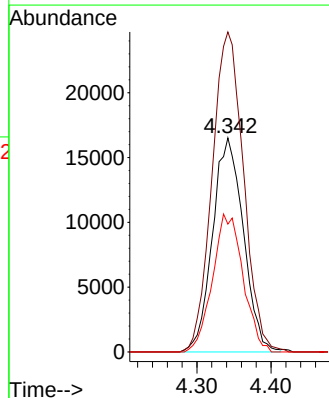
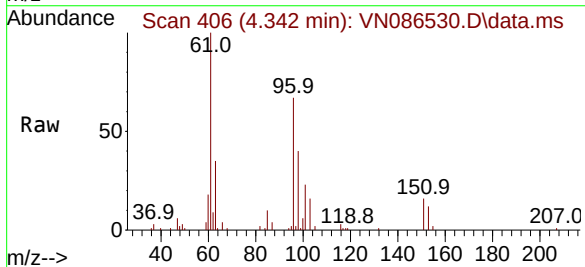
Manual Integrations
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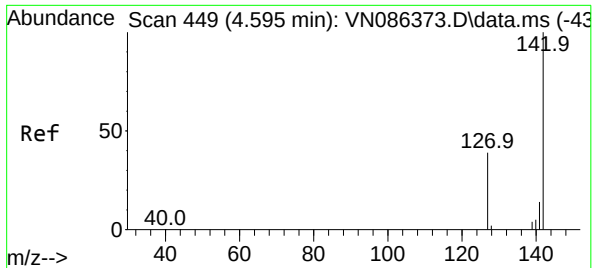
Reviewed By : John Carlone 05/08/2025
Supervised By : Mahesh Dadoda 05/08/2025



#10
1,1-Dichloroethene
Concen: 19.253 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion: 96 Resp: 47673
Ion Ratio Lower Upper
96 100
61 149.4 126.2 189.4
98 59.7 48.5 72.7





#11

Methyl Iodide

Concen: 20.705 ug/l

RT: 4.595 min Scan# 449

Delta R.T. 0.000 min

Lab File: VN086530.D

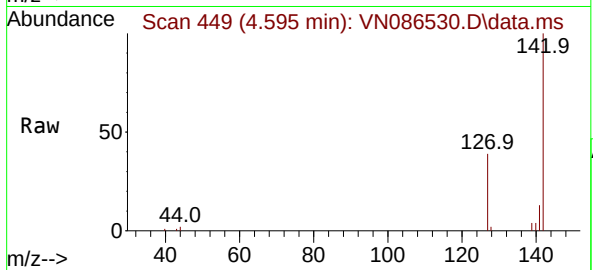
Acq: 07 May 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01



Tgt Ion:142 Resp: 5998

Ion Ratio Lower Upper

142 100

127 39.0 19.3 57.9

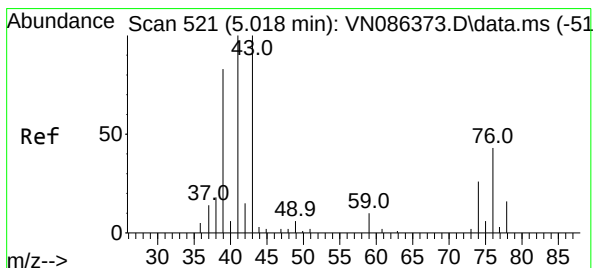
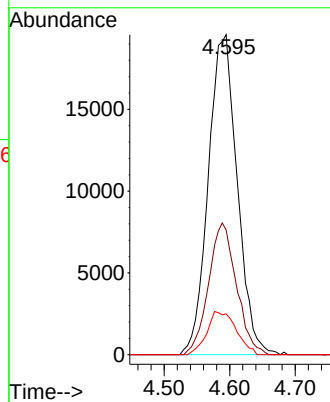
141 12.8 7.1 21.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#12

Methyl Acetate

Concen: 17.504 ug/l

RT: 5.024 min Scan# 522

Delta R.T. 0.006 min

Lab File: VN086530.D

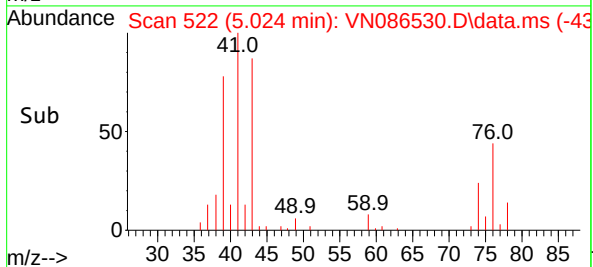
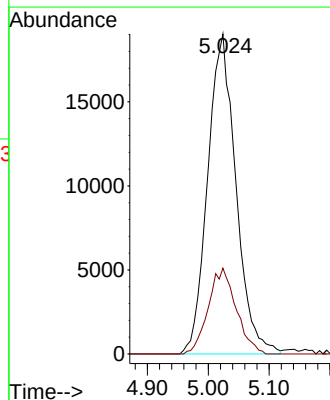
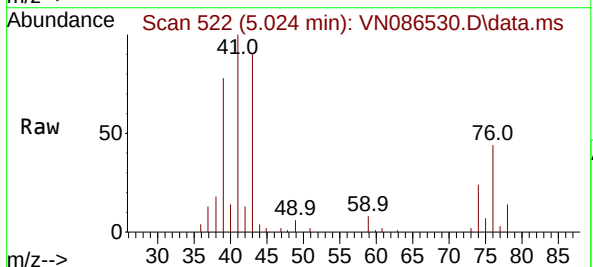
Acq: 07 May 2025 12:12

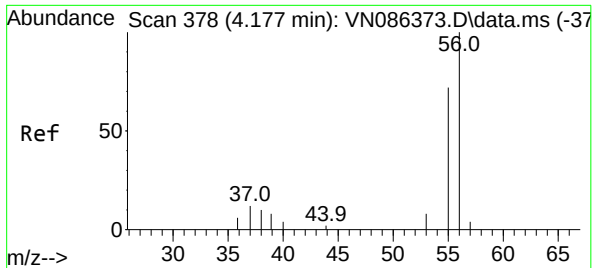
Tgt Ion: 43 Resp: 61433

Ion Ratio Lower Upper

43 100

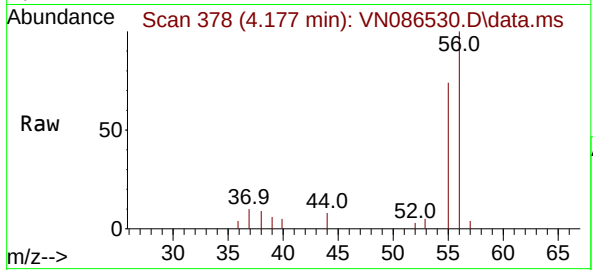
74 26.9 20.8 31.2





#13
Acrolein
Concen: 127.950 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

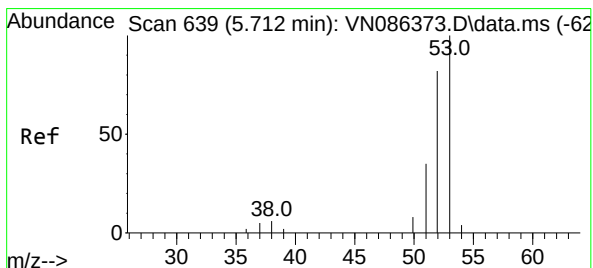
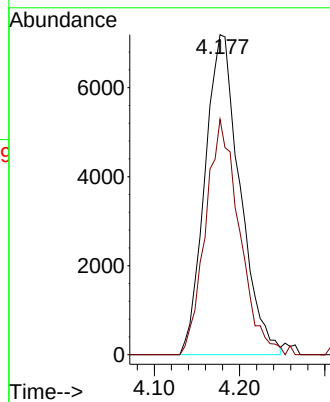
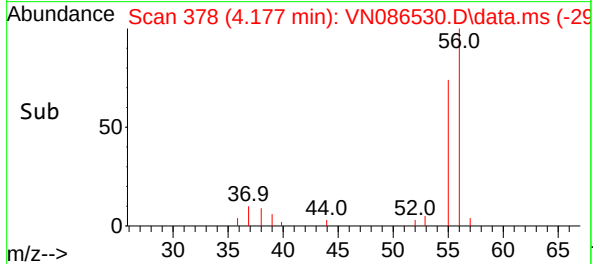
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 56 Resp: 2054
Ion Ratio Lower Upper
56 100
55 71.0 56.1 84.1

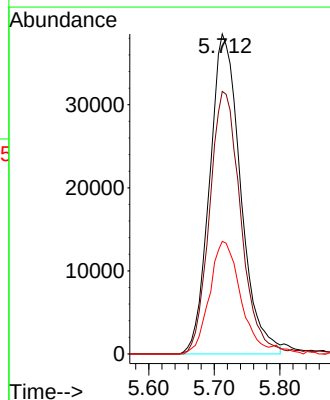
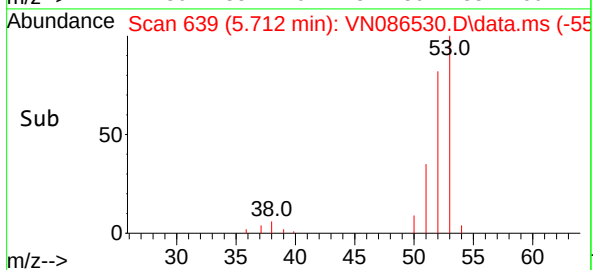
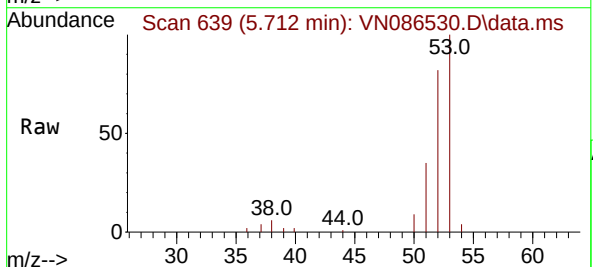
Manual Integrations
APPROVED

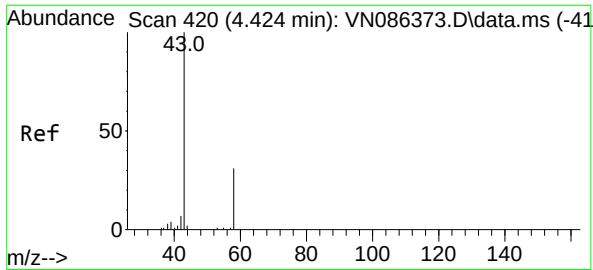
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#14
Acrylonitrile
Concen: 96.775 ug/l
RT: 5.712 min Scan# 639
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

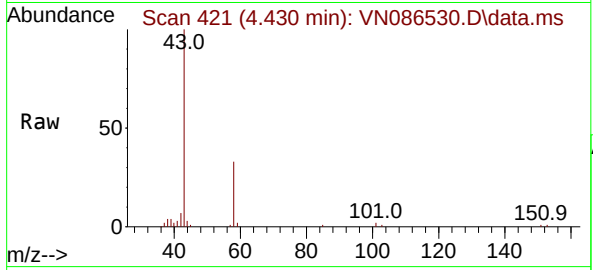
Tgt Ion: 53 Resp: 126412
Ion Ratio Lower Upper
53 100
52 82.3 41.2 123.6
51 35.0 17.6 52.8





#15
Acetone
Concen: 92.615 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

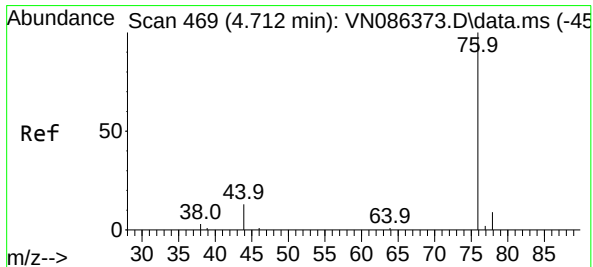
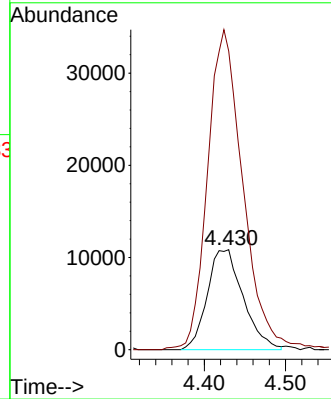
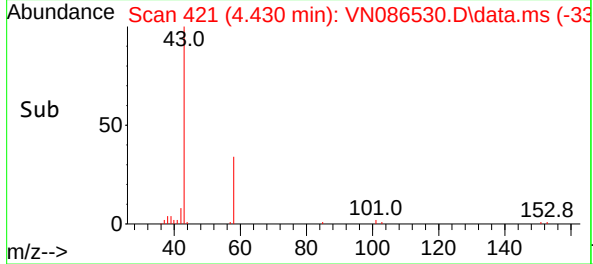
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 58 Resp: 33330
Ion Ratio Lower Upper
58 100
43 294.5 255.1 382.7

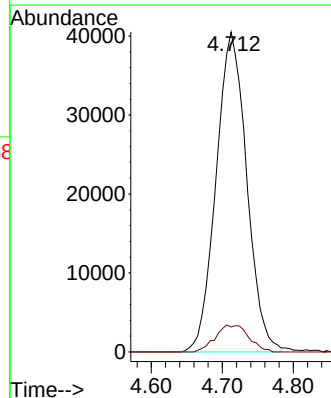
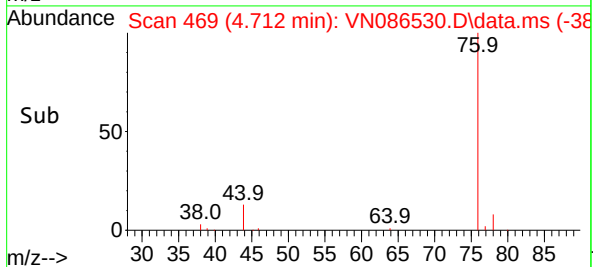
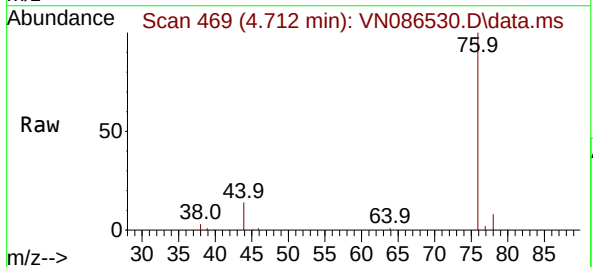
Manual Integrations
APPROVED

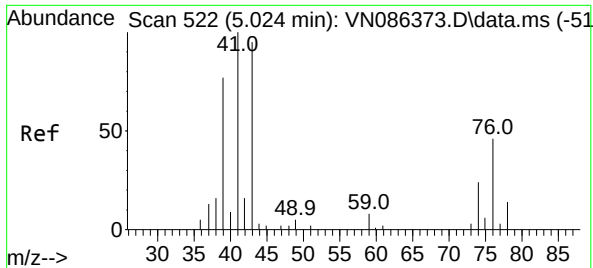
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#16
Carbon Disulfide
Concen: 18.575 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion: 76 Resp: 121197
Ion Ratio Lower Upper
76 100
78 7.8 7.1 10.7





#17

Allyl chloride

Concen: 18.044 ug/l

RT: 5.018 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

Tgt Ion: 41 Resp: 7144

Ion Ratio Lower Upper

41 100

39 74.4 36.7 110.1

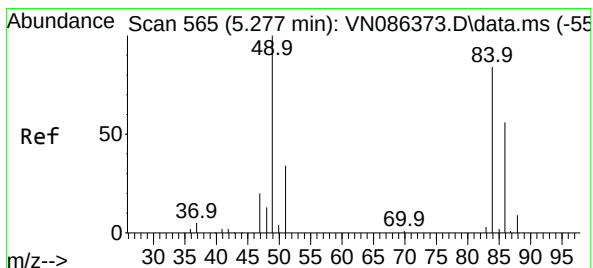
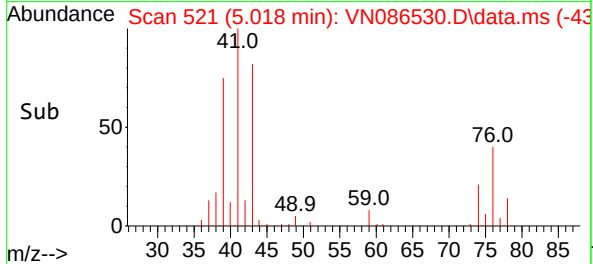
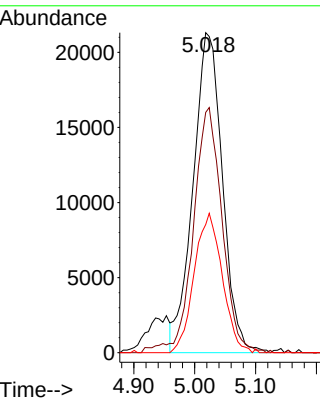
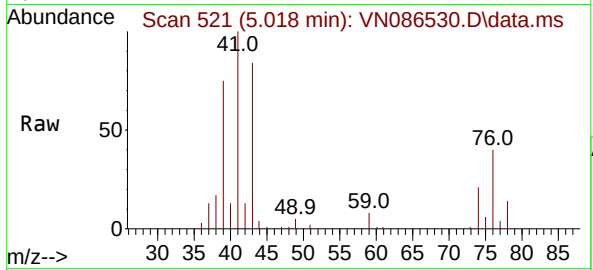
76 40.0 21.8 65.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#18

Methylene Chloride

Concen: 20.026 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.006 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Tgt Ion: 84 Resp: 56472

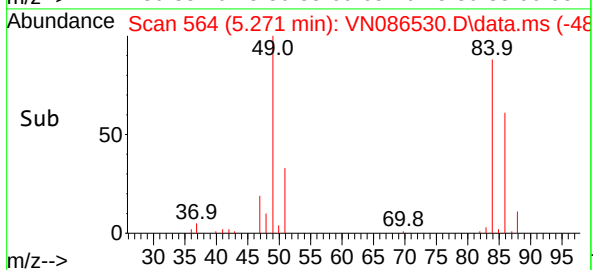
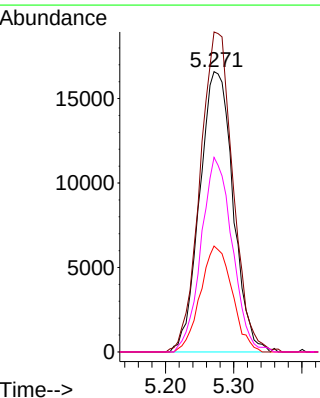
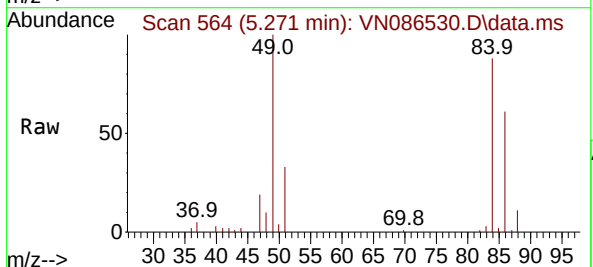
Ion Ratio Lower Upper

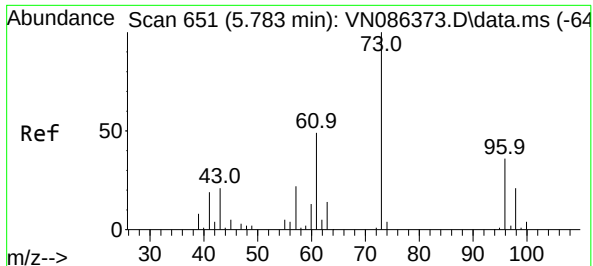
84 100

49 113.2 95.4 143.0

51 37.8 32.8 49.2

86 69.4 53.0 79.4





#19

trans-1,2-Dichloroethene

Concen: 19.286 ug/l

RT: 5.789 min Scan# 651

Delta R.T. 0.006 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

Tgt Ion: 96 Resp: 50902

Ion Ratio Lower Upper

96 100

61 124.0 107.3 160.9

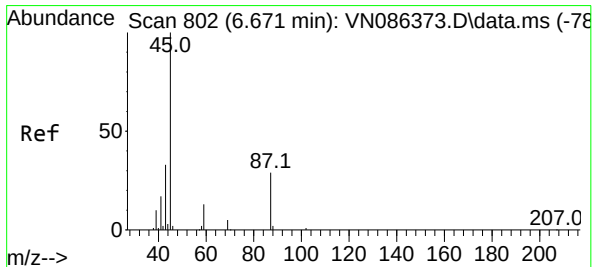
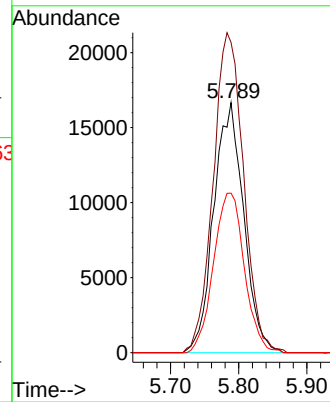
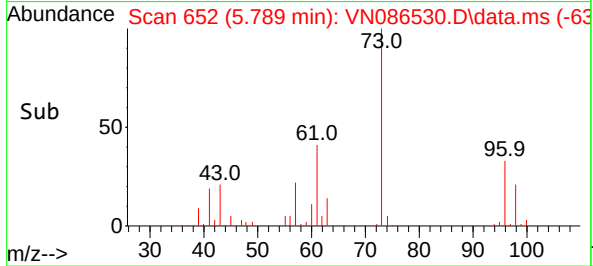
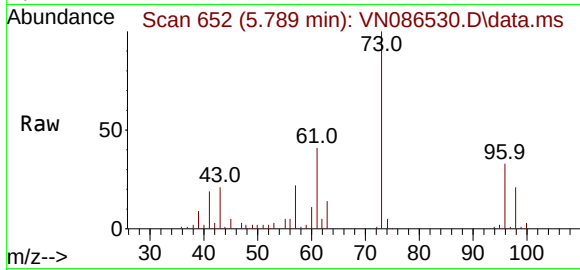
98 63.8 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#20

Diisopropyl ether

Concen: 17.645 ug/l

RT: 6.665 min Scan# 801

Delta R.T. -0.006 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Tgt Ion: 45 Resp: 166107

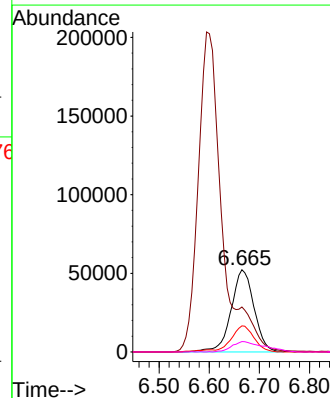
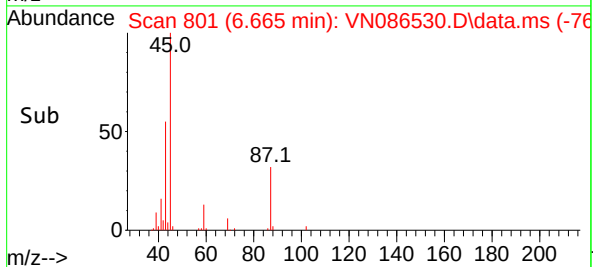
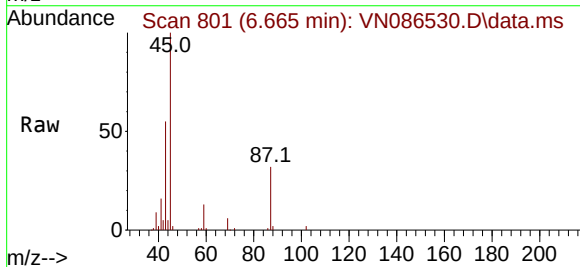
Ion Ratio Lower Upper

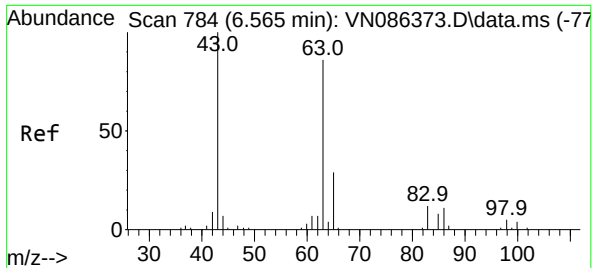
45 100

43 52.7 38.8 58.2

87 31.8 23.5 35.3

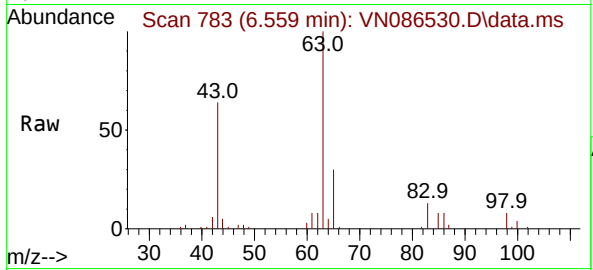
59 12.6 10.0 15.0





#21
1,1-Dichloroethane
Concen: 18.292 ug/l
RT: 6.559 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

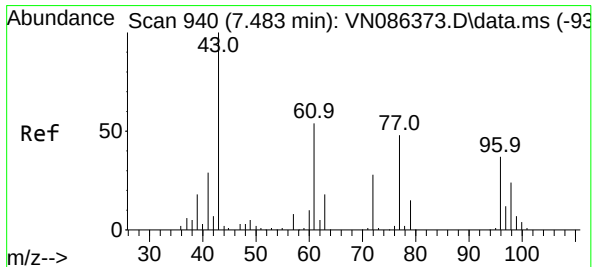
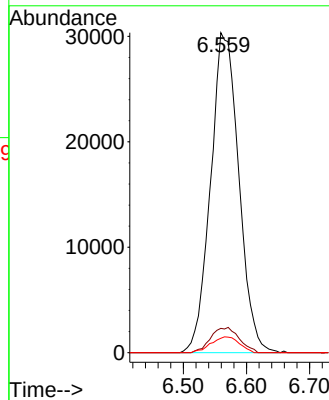
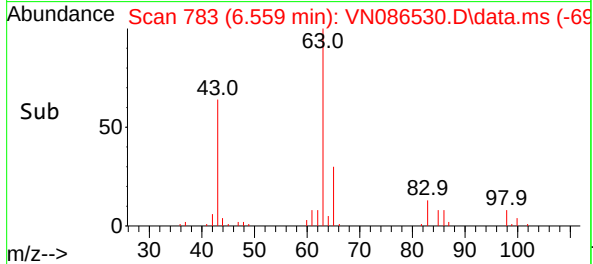
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 63 Resp: 9426
Ion Ratio Lower Upper
63 100
98 7.6 3.0 9.2
100 4.5 2.3 6.8

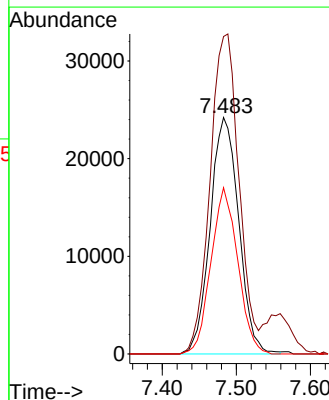
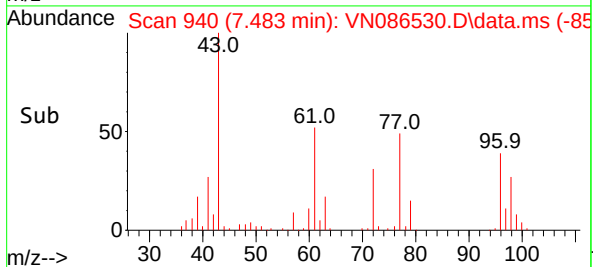
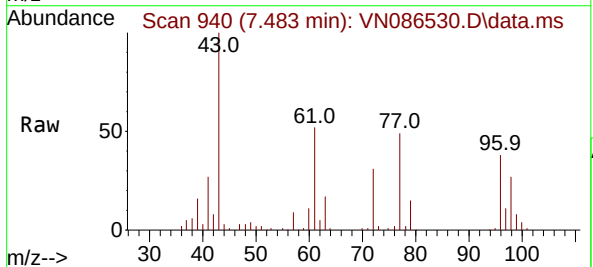
Manual Integrations
APPROVED

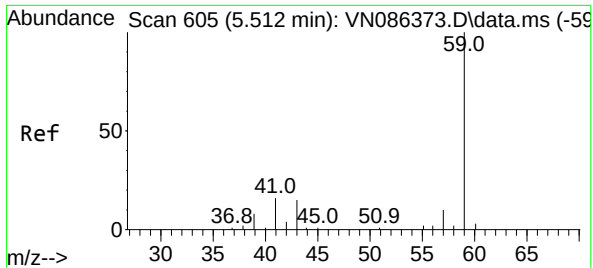
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#22
cis-1,2-Dichloroethene
Concen: 19.659 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

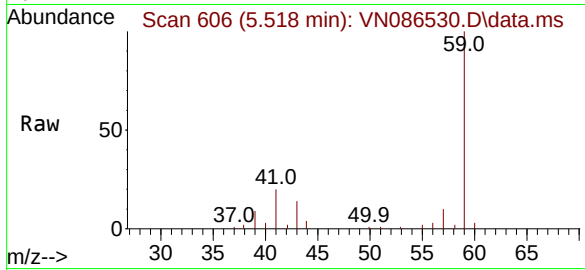
Tgt Ion: 96 Resp: 64880
Ion Ratio Lower Upper
96 100
61 136.7 120.6 181.0
98 66.1 51.8 77.6





#23
tert-Butyl Alcohol
Concen: 109.083 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

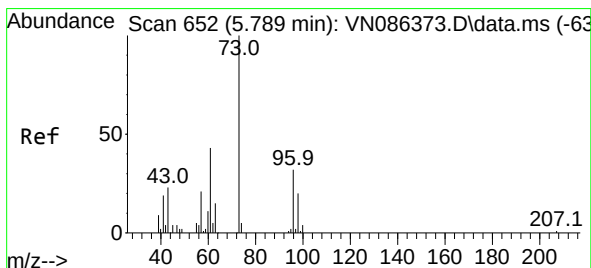
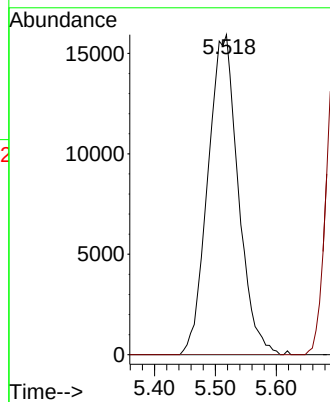
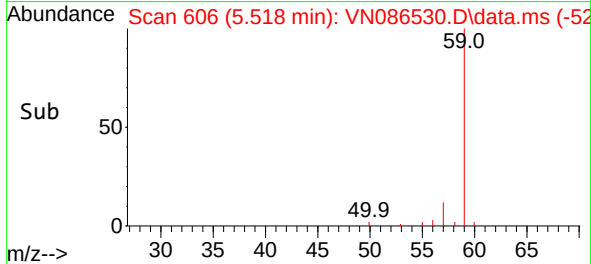
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 59 Resp: 55198
Ion Ratio Lower Upper
59 100
52 188.4 0.1 0.1

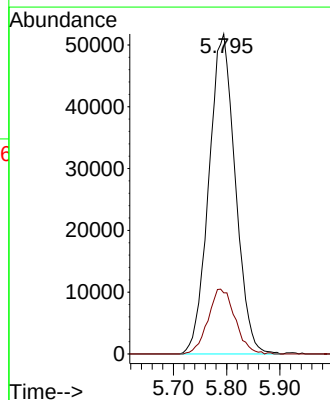
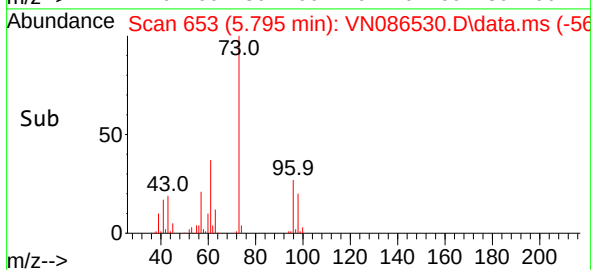
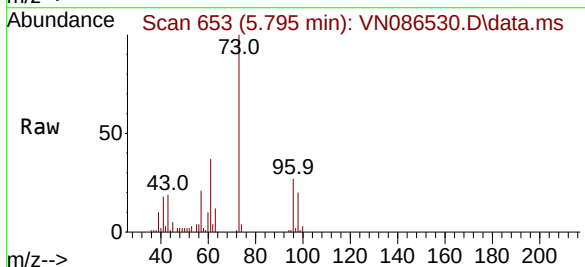
Manual Integrations
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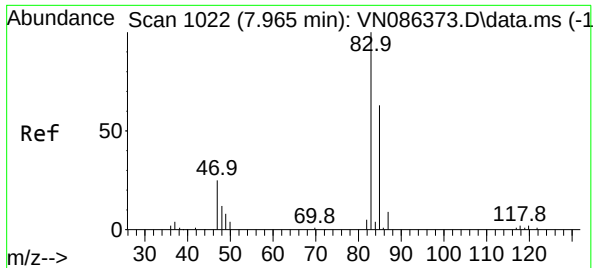
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#24
Methyl tert-Butyl Ether
Concen: 19.522 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion: 73 Resp: 178596
Ion Ratio Lower Upper
73 100
43 20.6 17.1 25.7





#25

Chloroform

Concen: 19.150 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

Tgt Ion: 83 Resp: 99872

Ion Ratio Lower Upper

83 100

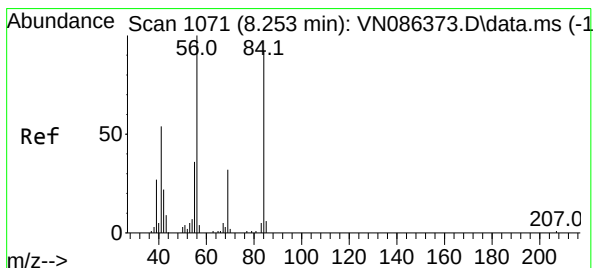
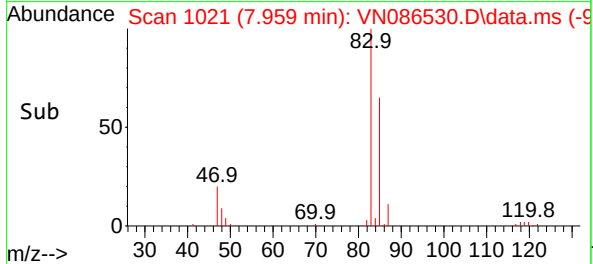
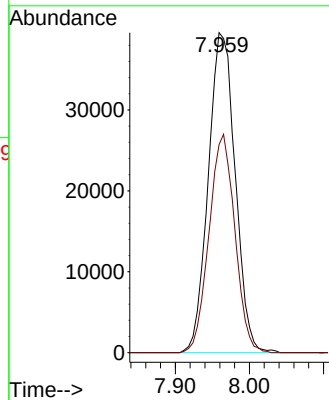
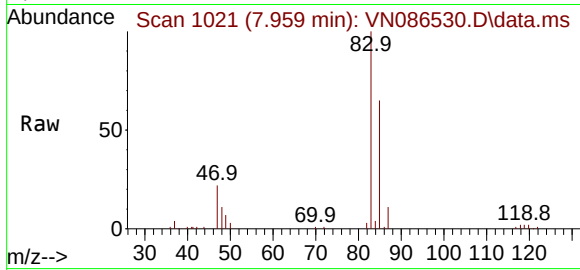
85 65.1 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#26

Cyclohexane

Concen: 17.220 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. 0.000 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

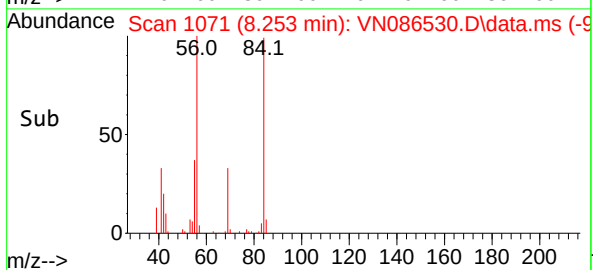
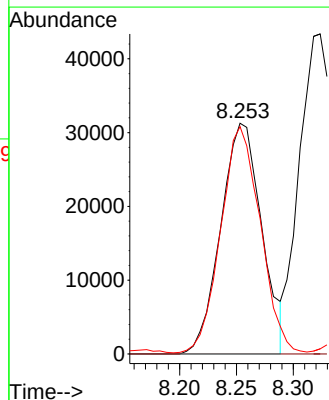
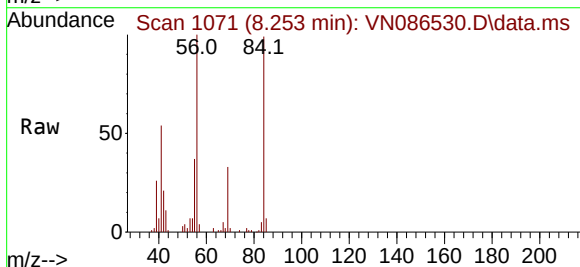
Tgt Ion: 56 Resp: 78349

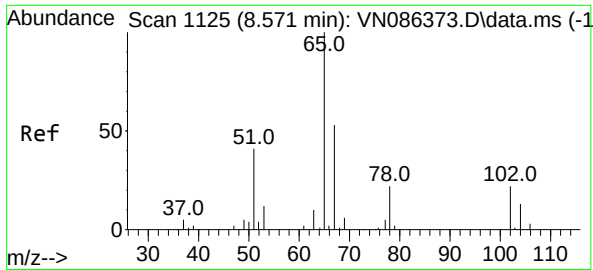
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 96.0 71.5 107.3





#27

1,2-Dichloroethane-d4

Concen: 27.566 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

Tgt Ion: 65 Resp: 9433

Ion Ratio Lower Upper

65 100

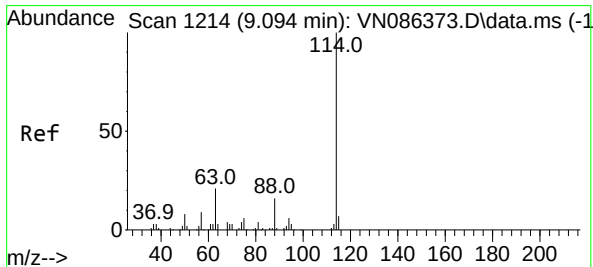
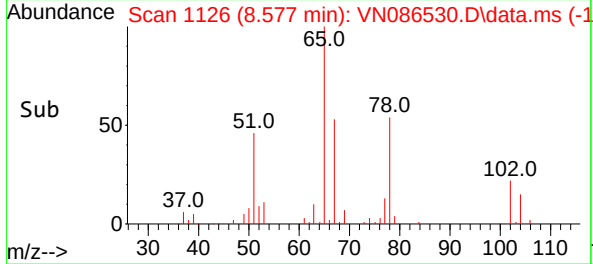
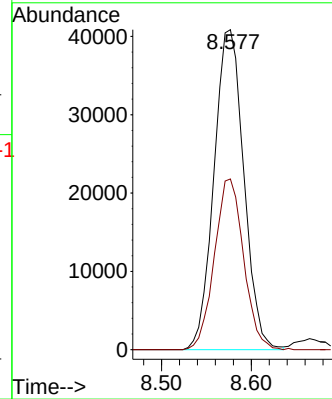
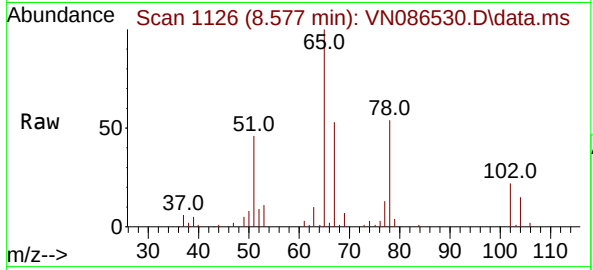
67 52.1 42.5 63.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

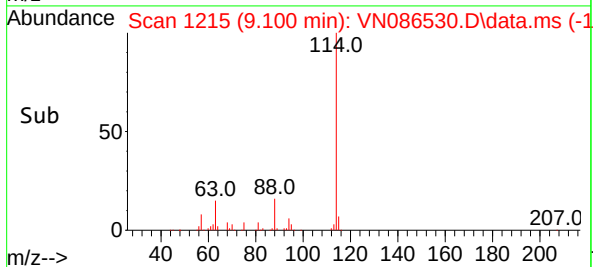
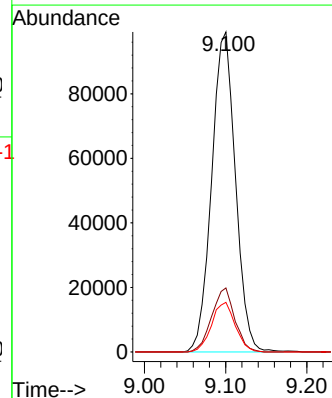
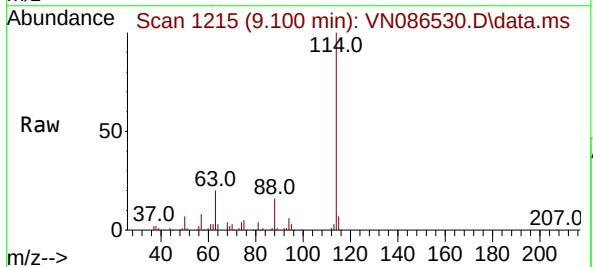
Tgt Ion:114 Resp: 201715

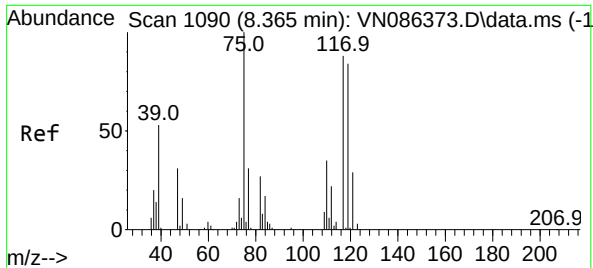
Ion Ratio Lower Upper

114 100

63 19.4 16.7 25.1

88 15.5 12.6 19.0





#29

1,1-Dichloropropene

Concen: 19.304 ug/l

RT: 8.371 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

Tgt Ion: 75 Resp: 68645

Ion Ratio Lower Upper

75 100

110 36.0 0.0 68.0

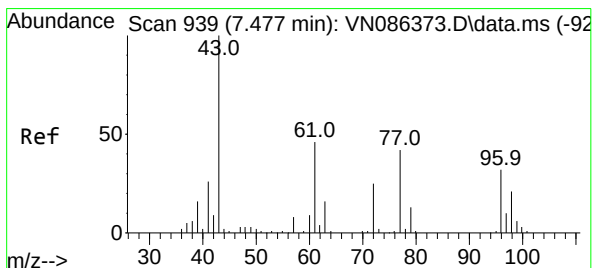
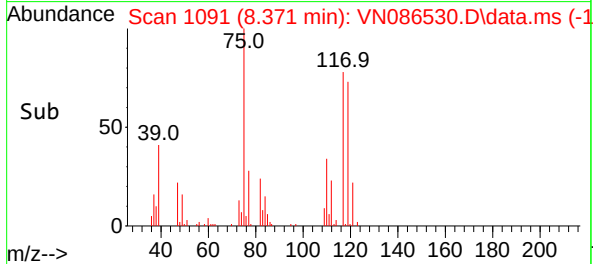
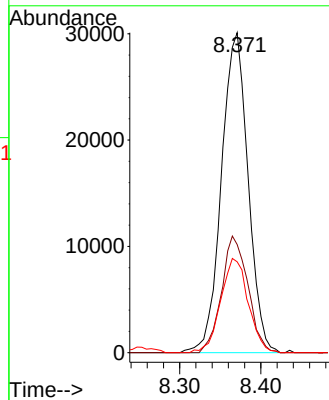
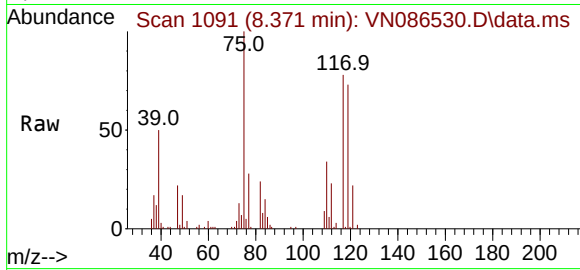
77 30.5 0.0 61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#30

2-Butanone

Concen: 97.882 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.000 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

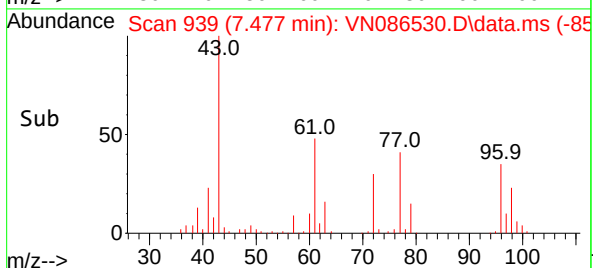
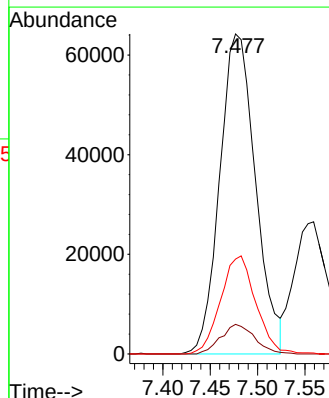
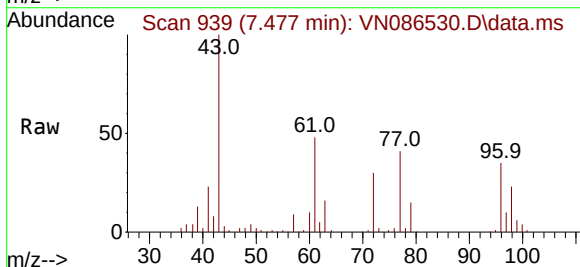
Tgt Ion: 43 Resp: 168945

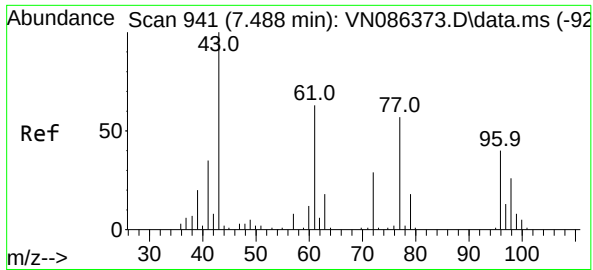
Ion Ratio Lower Upper

43 100

57 8.8 6.6 10.0

72 29.8 22.2 33.4





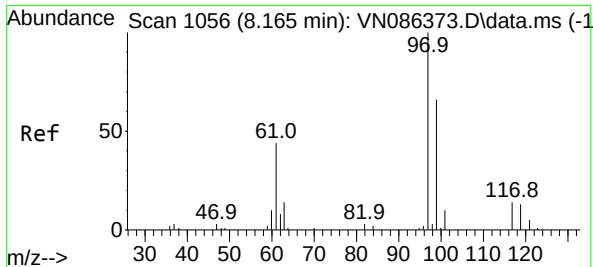
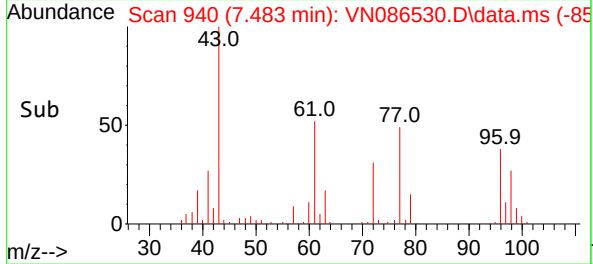
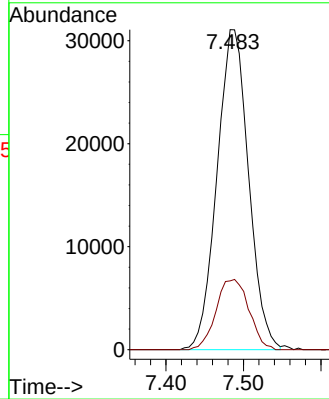
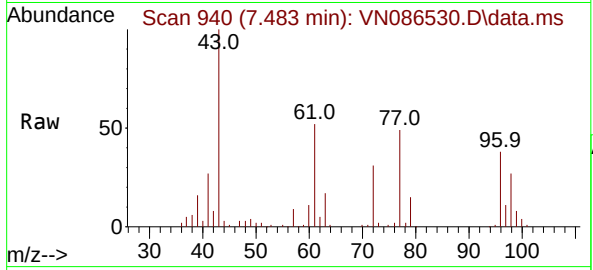
#31
2,2-Dichloropropane
Concen: 19.268 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tgt Ion: 77 Resp: 8808
Ion Ratio Lower Upper
77 100
97 22.8 18.2 27.2

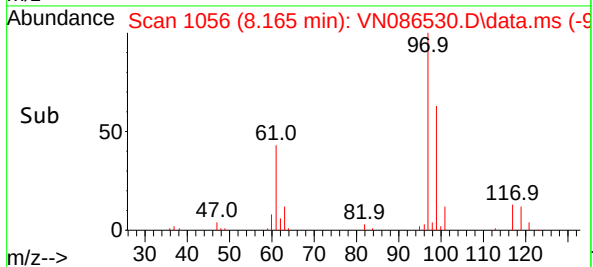
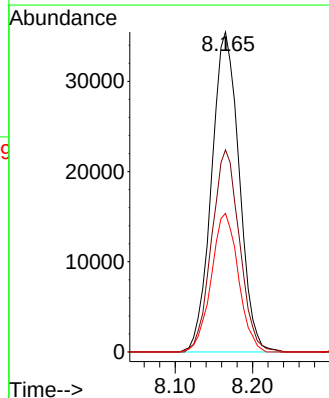
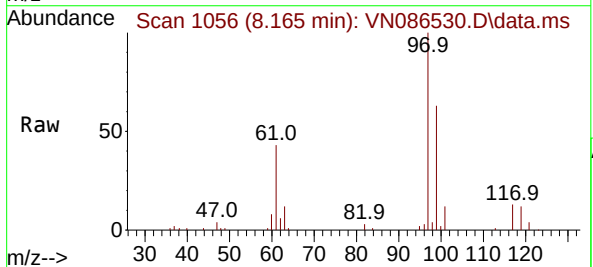
Manual Integrations
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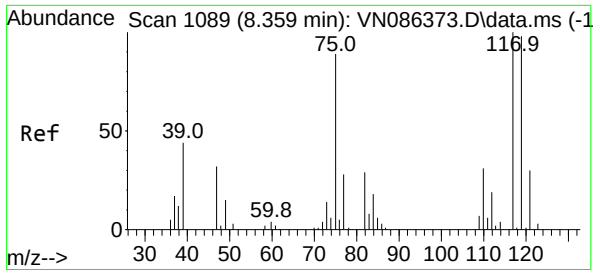
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#32
1,1,1-Trichloroethane
Concen: 20.674 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

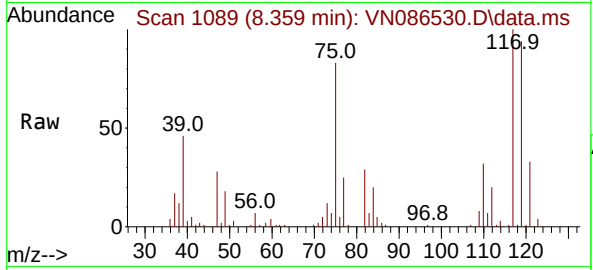
Tgt Ion: 97 Resp: 87851
Ion Ratio Lower Upper
97 100
99 63.7 52.6 79.0
61 42.6 36.4 54.6





#33
Carbon Tetrachloride
Concen: 20.822 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

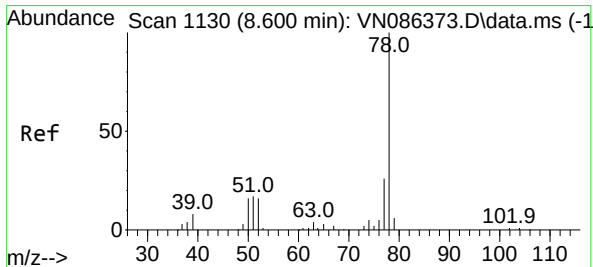
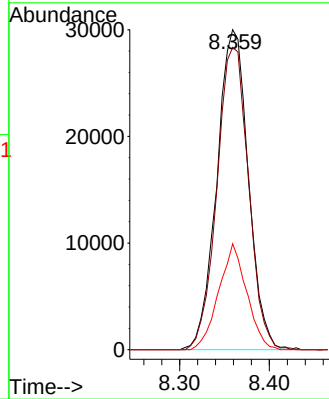
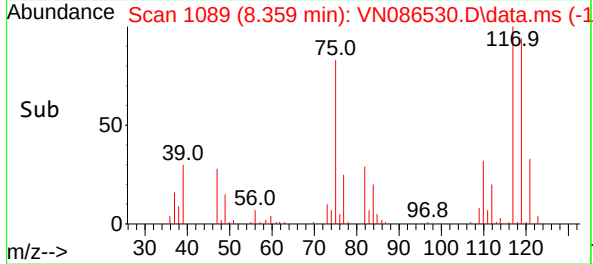
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 117 Resp: 72840
Ion Ratio Lower Upper
117 100
119 94.5 78.6 117.8
121 33.1 24.0 36.0

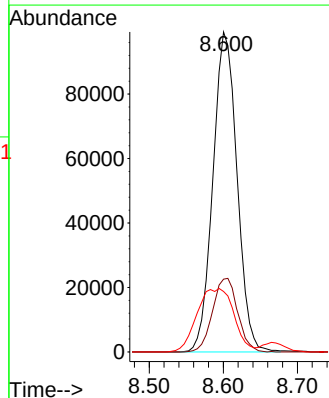
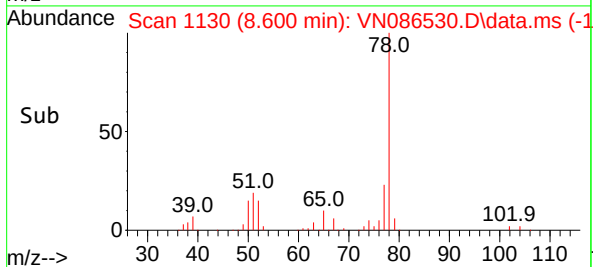
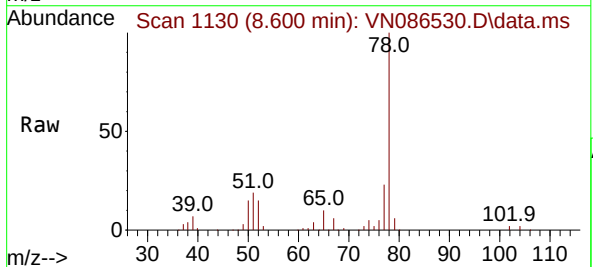
Manual Integrations
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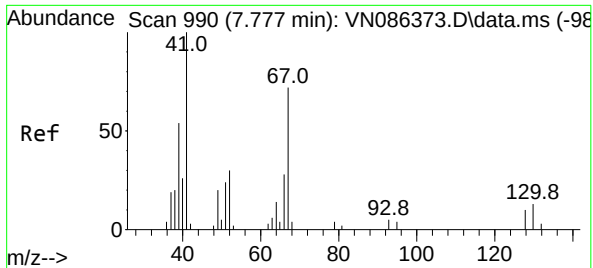
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#34
Benzene
Concen: 19.857 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion: 78 Resp: 224594
Ion Ratio Lower Upper
78 100
77 22.7 20.8 31.2
51 17.7 14.0 21.0





#35

Methacrylonitrile

Concen: 19.078 ug/l

RT: 7.777 min Scan# 990

Delta R.T. 0.000 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

Tgt Ion: 41 Resp: 37562

Ion Ratio Lower Upper

41 100

39 56.7 27.0 80.8

67 75.9 35.8 107.3

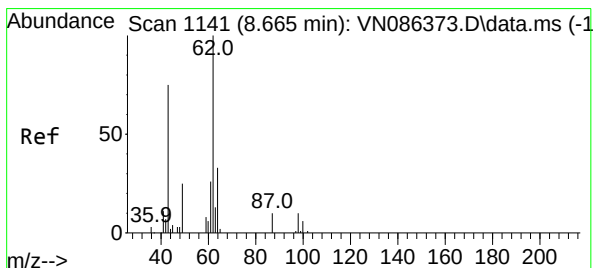
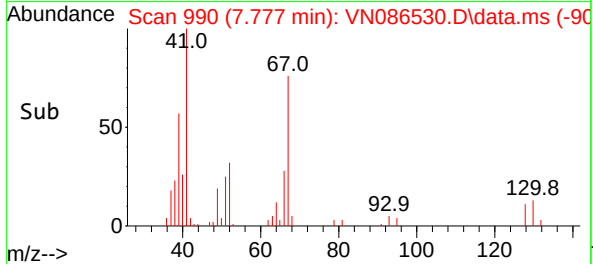
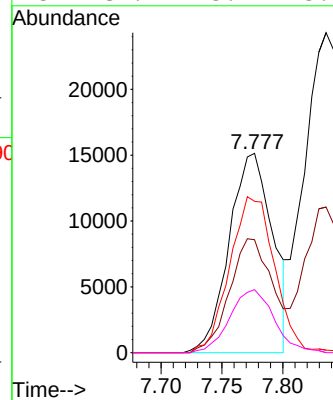
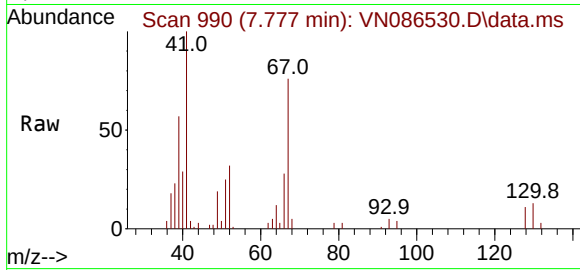
52 31.7 15.2 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#36

1,2-Dichloroethane

Concen: 20.883 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. 0.000 min

Lab File: VN086530.D

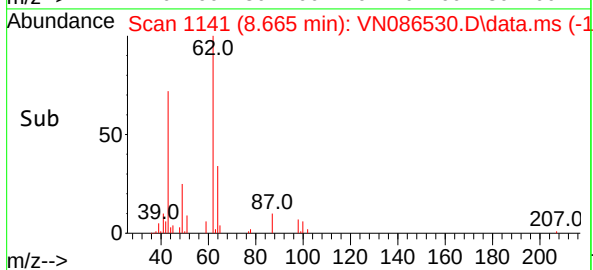
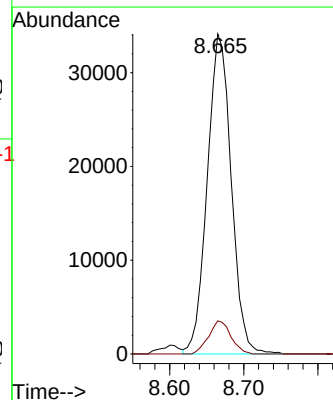
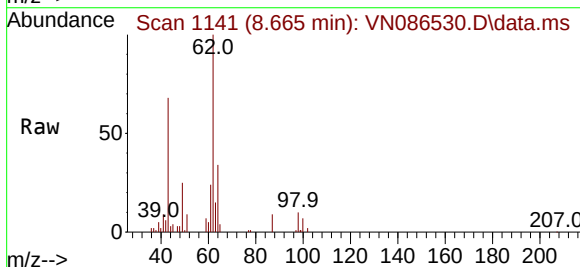
Acq: 07 May 2025 12:12

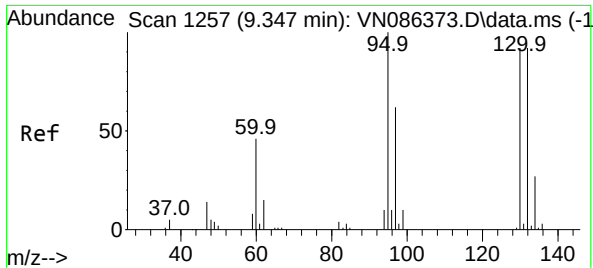
Tgt Ion: 62 Resp: 76687

Ion Ratio Lower Upper

62 100

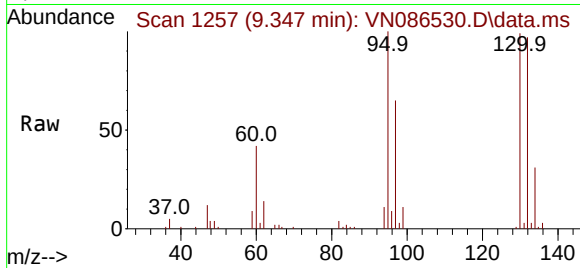
98 9.6 7.6 11.4





#37
Trichloroethene
Concen: 20.479 ug/l
RT: 9.347 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

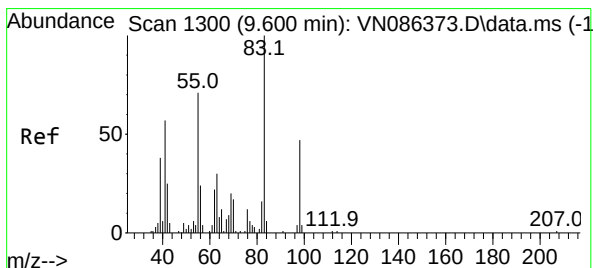
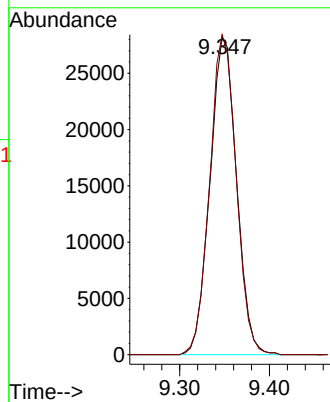
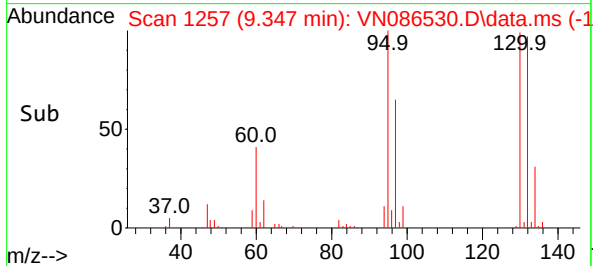
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion:130 Resp: 5798
Ion Ratio Lower Upper
130 100
95 100.8 86.6 130.0

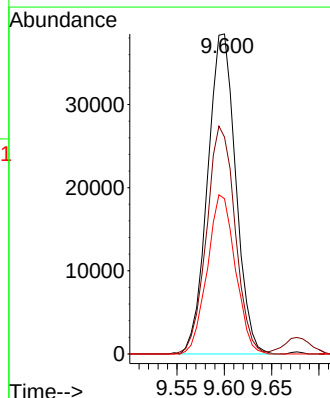
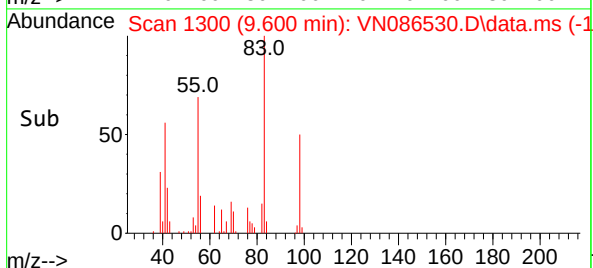
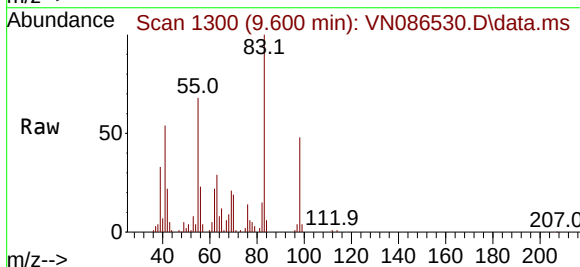
Manual Integrations
APPROVED

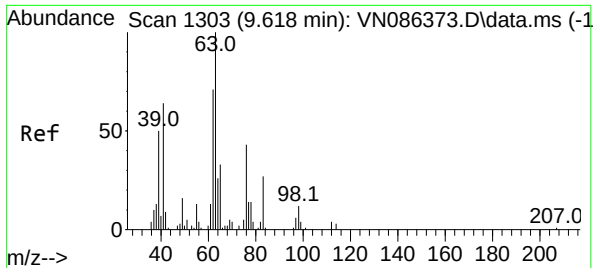
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#38
Methylcyclohexane
Concen: 19.357 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion: 83 Resp: 79501
Ion Ratio Lower Upper
83 100
55 72.1 37.3 111.9
98 49.5 23.8 71.5





#39

1,2-Dichloropropane

Concen: 18.927 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. 0.000 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

Tgt Ion: 63 Resp: 5288

Ion Ratio Lower Upper

63 100

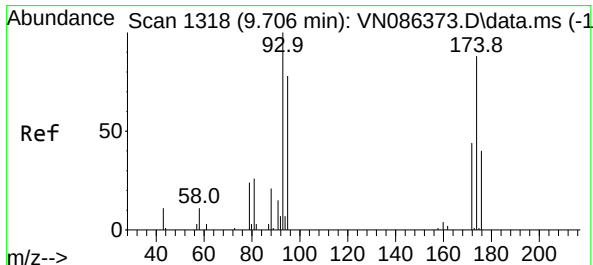
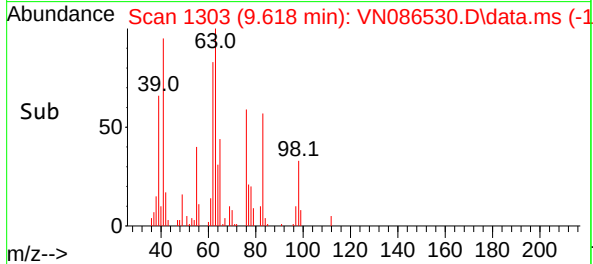
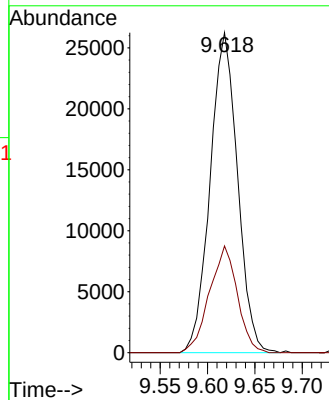
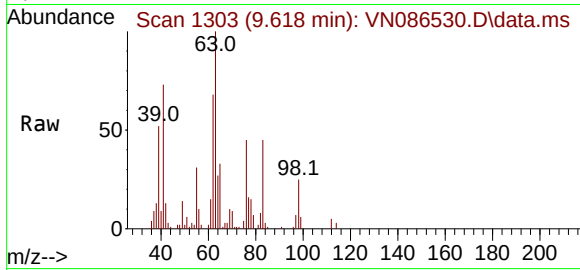
65 33.3 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#40

Dibromomethane

Concen: 20.987 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. 0.000 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

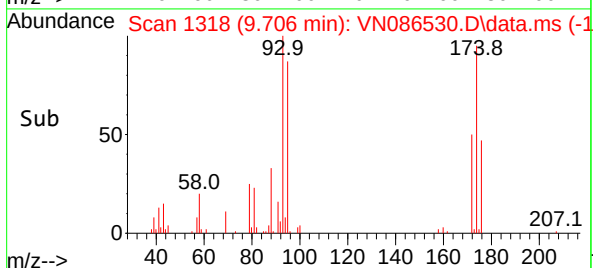
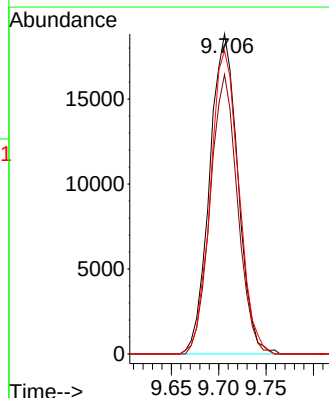
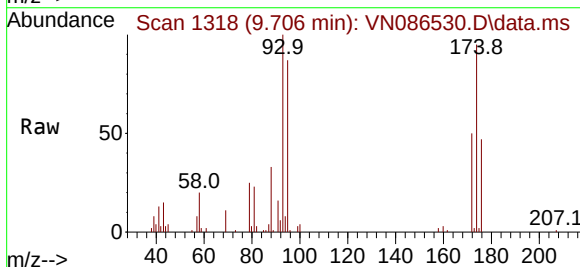
Tgt Ion: 93 Resp: 39216

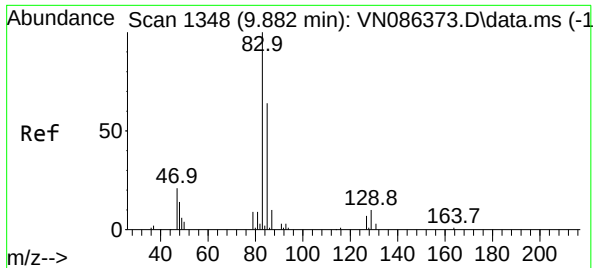
Ion Ratio Lower Upper

93 100

95 83.8 0.0 159.2

174 94.9 0.0 171.4





#41

Bromodichloromethane

Concen: 20.179 ug/l

RT: 9.883 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

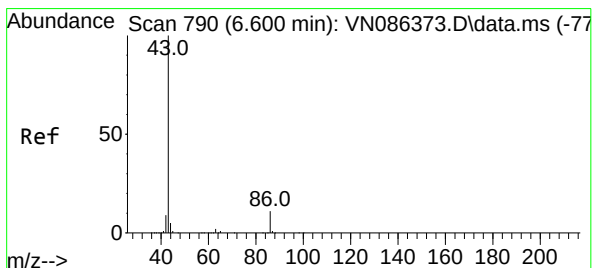
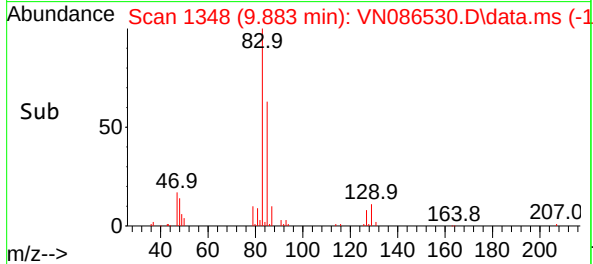
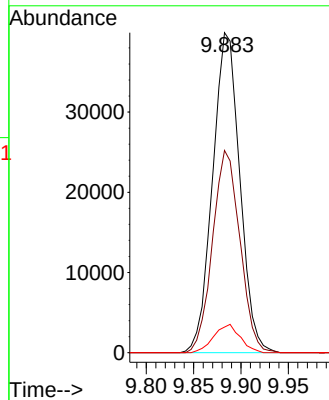
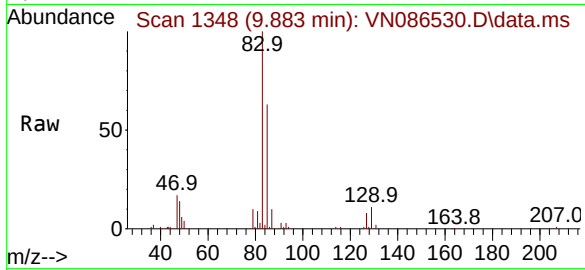
Tgt Ion:	83	Resp:	7979
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.1	76.7
127	8.0	5.9	8.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#42

Vinyl Acetate

Concen: 101.406 ug/l

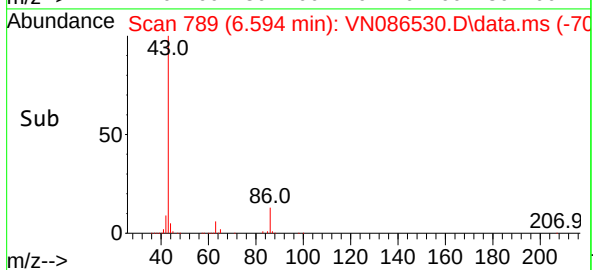
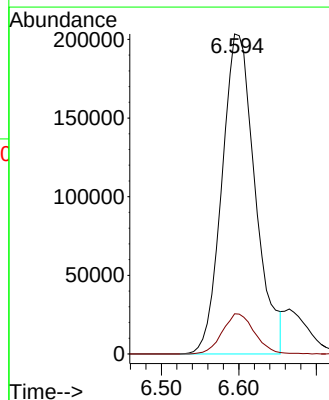
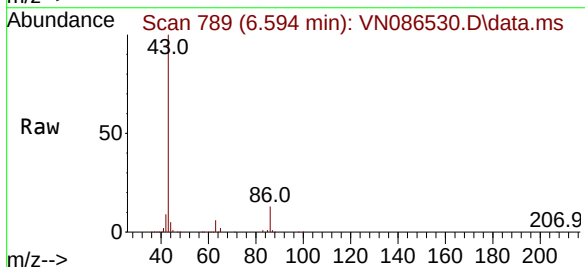
RT: 6.594 min Scan# 789

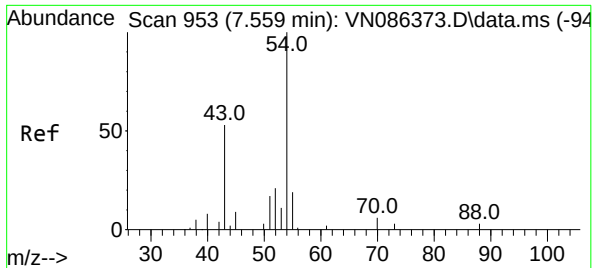
Delta R.T. -0.006 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Tgt Ion:	43	Resp:	606311
Ion	Ratio	Lower	Upper
43	100		
86	12.2	8.9	13.3





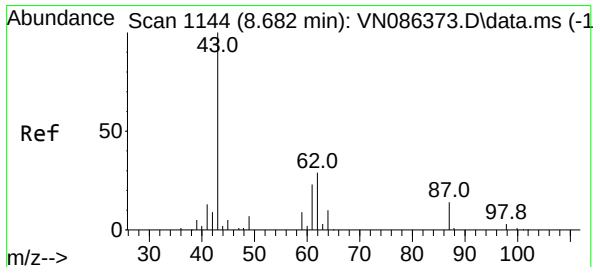
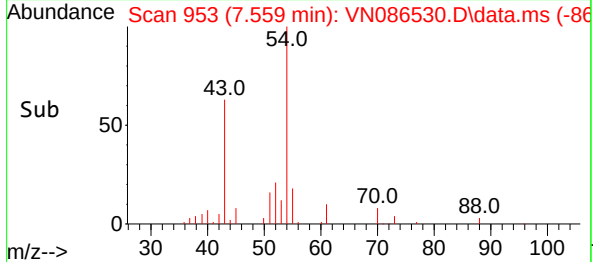
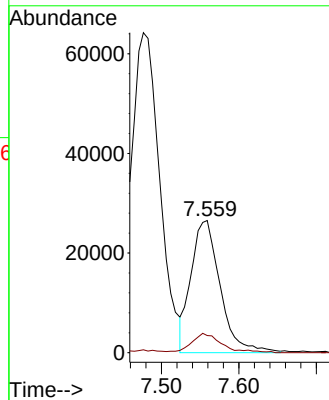
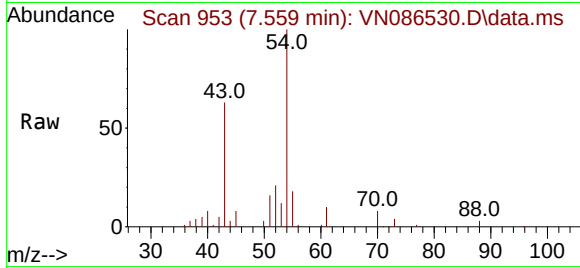
#43
Ethyl Acetate
Concen: 20.330 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tgt Ion: 43 Resp: 6944
Ion Ratio Lower Upper
43 100
45 11.5 11.4 17.2

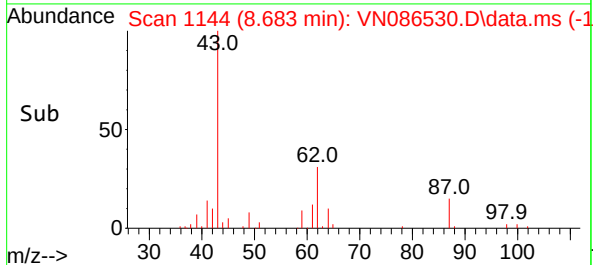
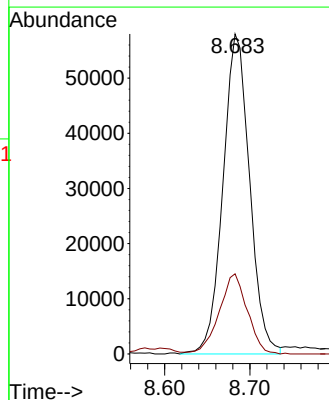
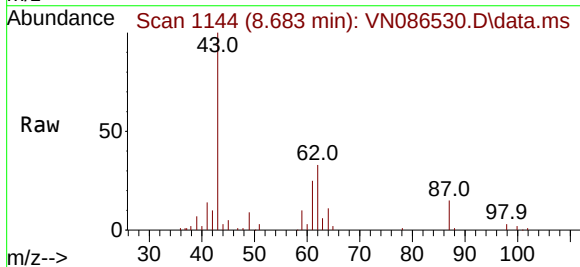
Manual Integrations
APPROVED

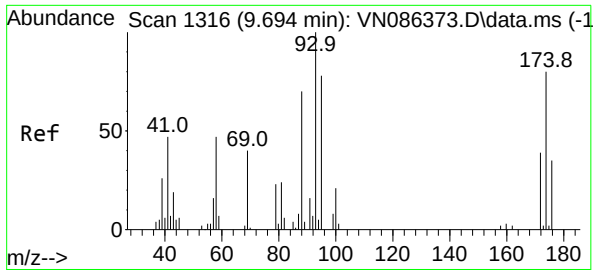
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#44
Isopropyl Acetate
Concen: 19.468 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion: 43 Resp: 126204
Ion Ratio Lower Upper
43 100
61 26.4 21.0 31.4





#45

1,4-Dioxane

Concen: 485.168 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.006 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

Tgt Ion: 88 Resp: 24540

Ion Ratio Lower Upper

88 100

43 32.2 24.9 37.3

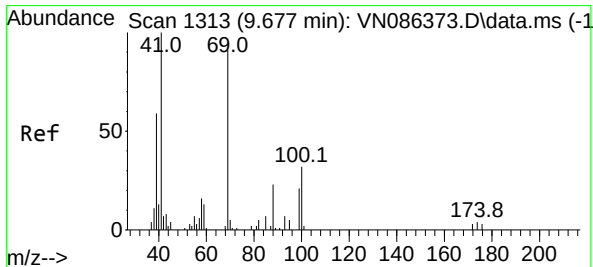
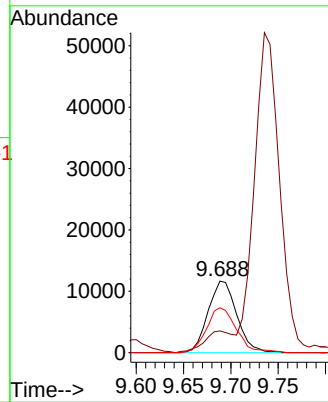
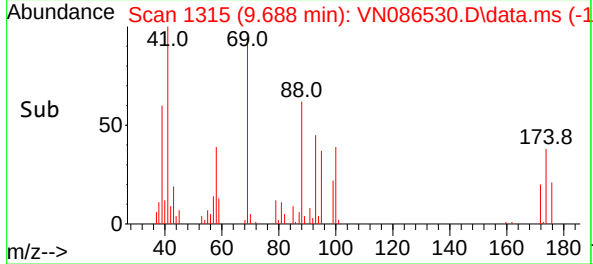
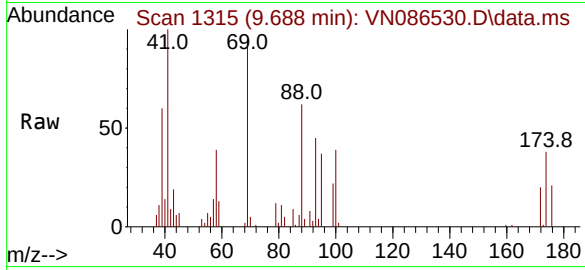
58 65.4 57.8 86.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#46

Methyl methacrylate

Concen: 18.737 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. 0.000 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

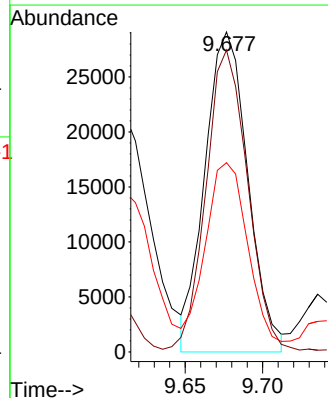
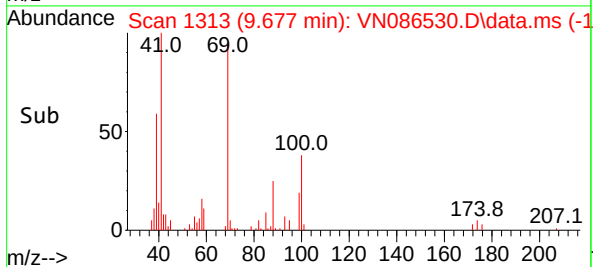
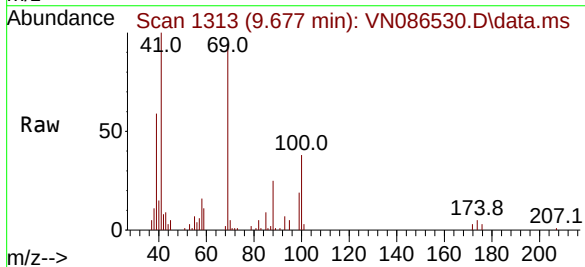
Tgt Ion: 41 Resp: 56030

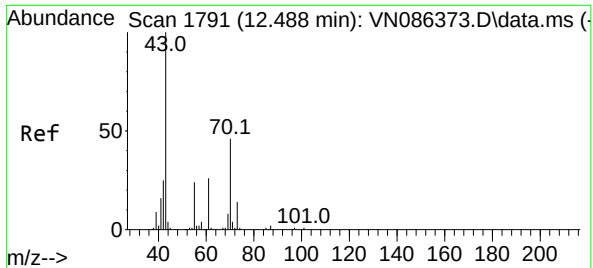
Ion Ratio Lower Upper

41 100

69 97.3 44.1 132.3

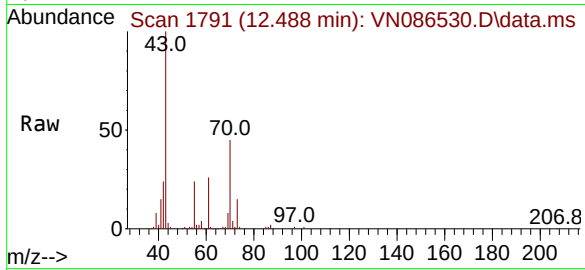
39 59.1 30.0 90.1





#47
n-amy1 Acetate
Concen: 19.196 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

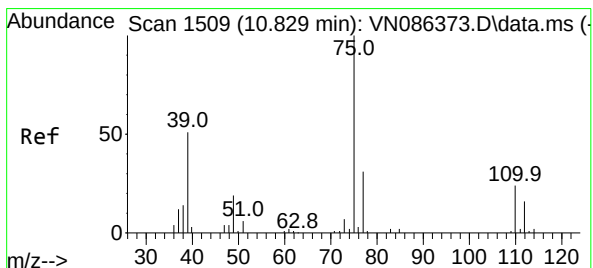
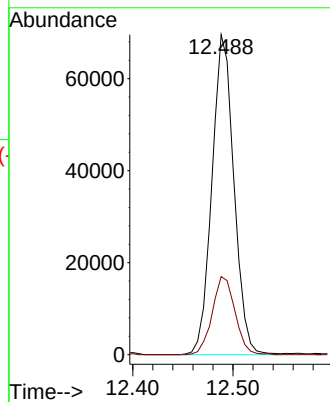
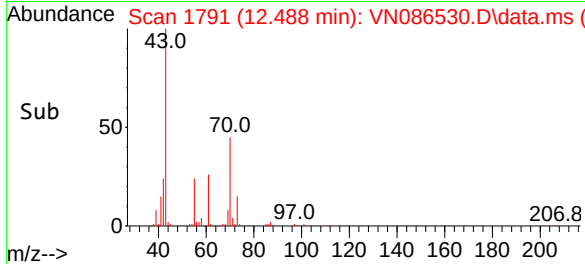
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 43 Resp: 106069
Ion Ratio Lower Upper
43 100
55 25.3 19.4 29.0

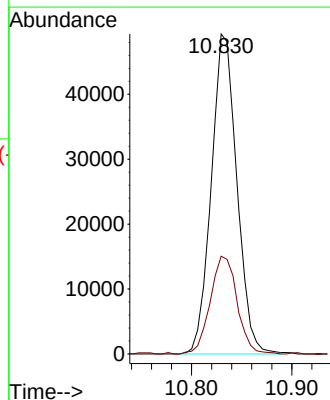
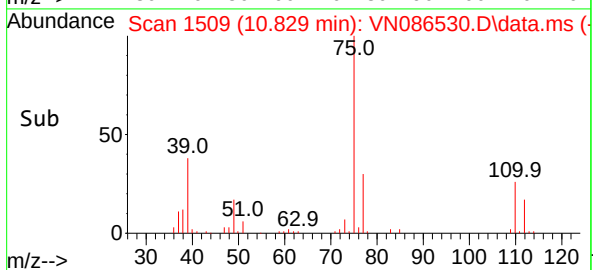
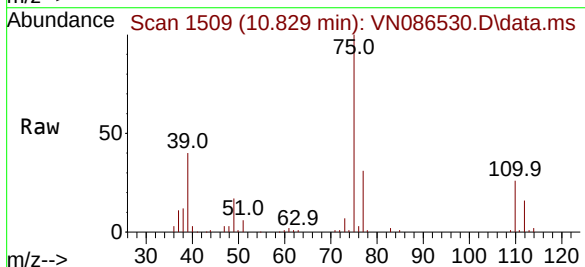
Manual Integrations
APPROVED

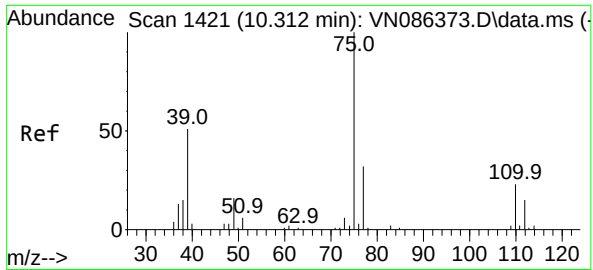
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#48
t-1,3-Dichloropropene
Concen: 19.775 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

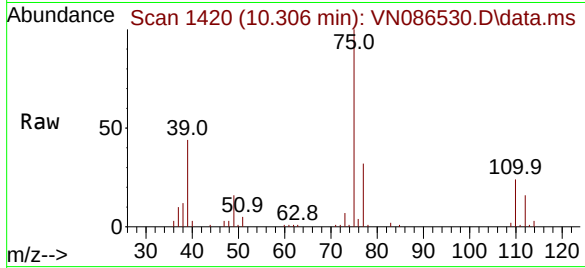
Tgt Ion: 75 Resp: 87424
Ion Ratio Lower Upper
75 100
77 30.5 24.4 36.6





#49
cis-1,3-Dichloropropene
Concen: 19.820 ug/l
RT: 10.306 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

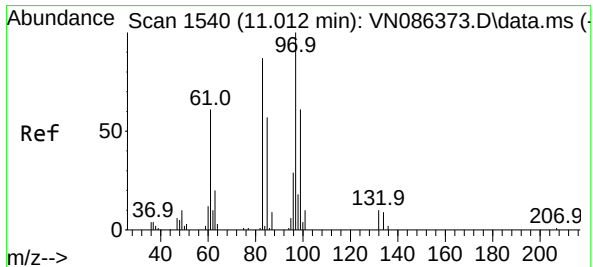
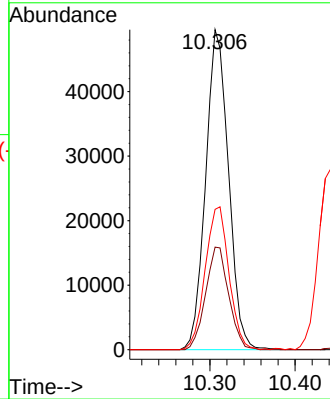
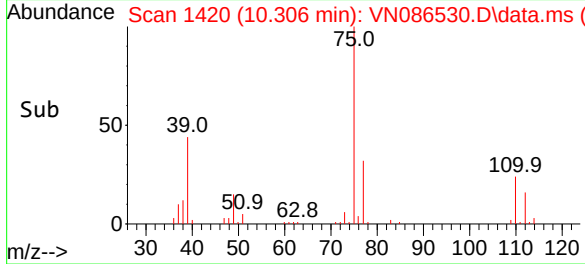
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 75 Resp: 9240
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4
39 43.9 40.6 60.8

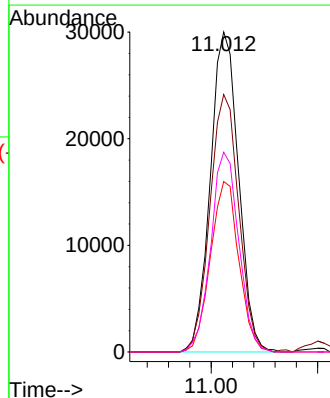
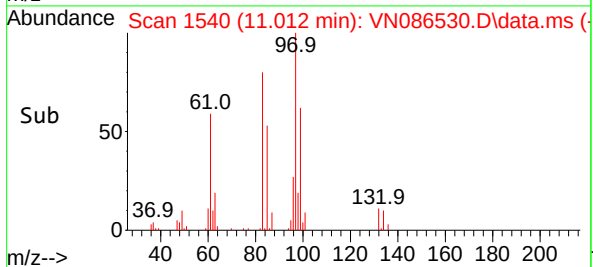
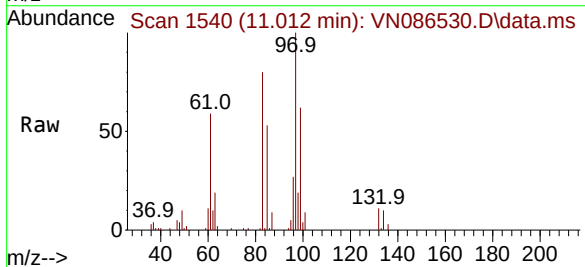
Manual Integrations
APPROVED

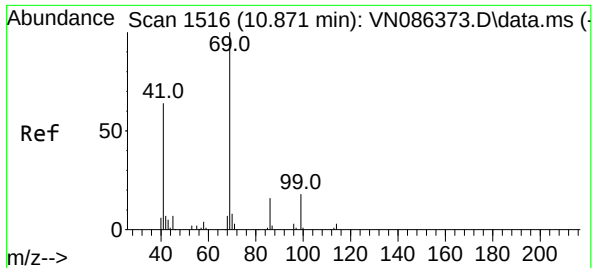
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#50
1,1,2-Trichloroethane
Concen: 21.134 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

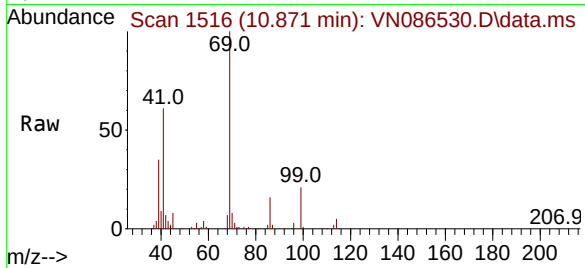
Tgt Ion: 97 Resp: 55160
Ion Ratio Lower Upper
97 100
83 80.5 69.3 103.9
85 53.3 45.5 68.3
99 62.4 49.0 73.6





#51
Ethyl methacrylate
Concen: 19.994 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

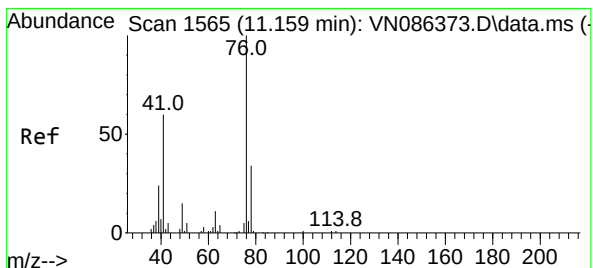
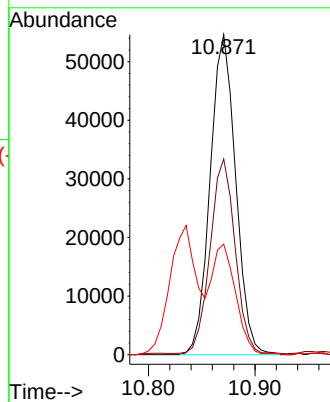
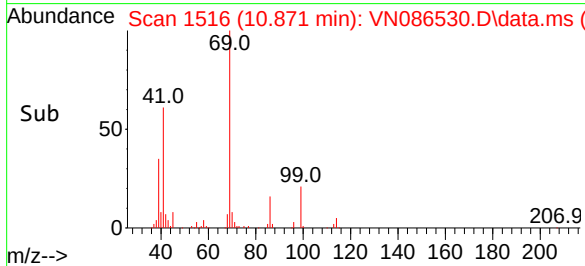
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 69 Resp: 9088
Ion Ratio Lower Upper
69 100
41 60.8 32.3 96.8
39 34.2 19.1 57.1

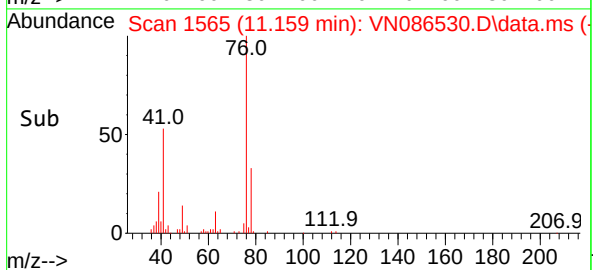
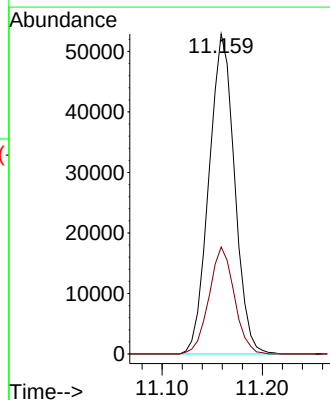
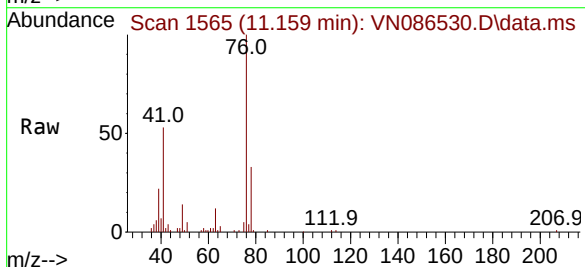
Manual Integrations
APPROVED

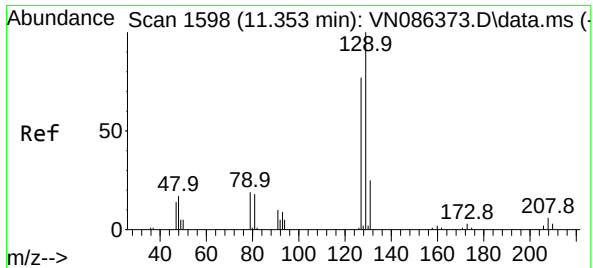
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#52
1,3-Dichloropropane
Concen: 20.391 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

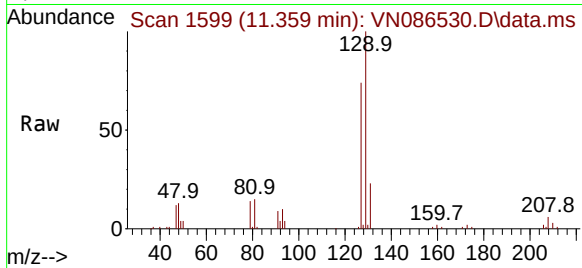
Tgt Ion: 76 Resp: 94064
Ion Ratio Lower Upper
76 100
78 32.8 0.0 65.6





#53
Dibromochloromethane
Concen: 21.107 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

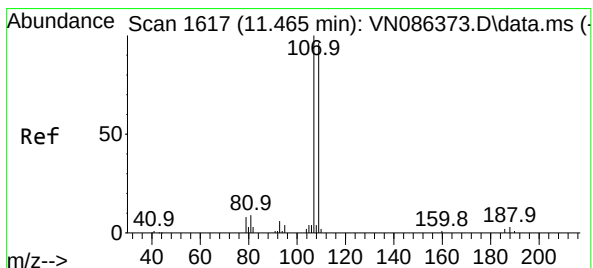
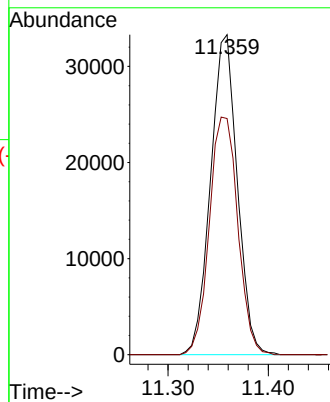
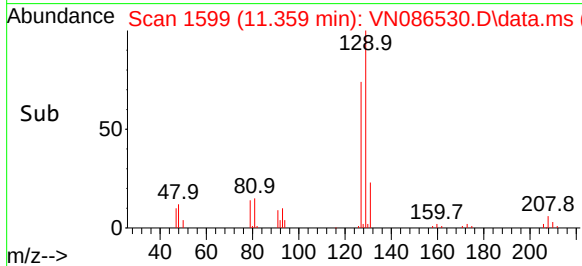
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



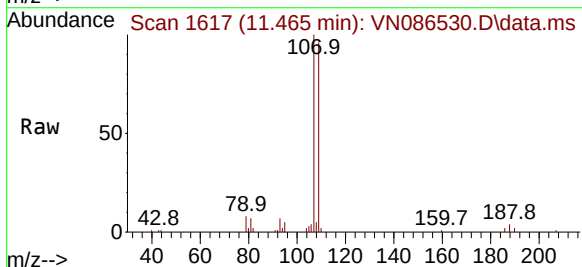
Tgt Ion:129 Resp: 61859
Ion Ratio Lower Upper
129 100
127 78.8 38.8 116.3

Manual Integrations
APPROVED

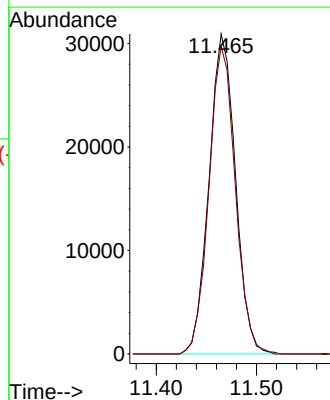
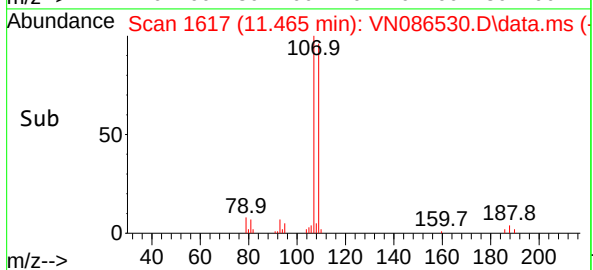
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

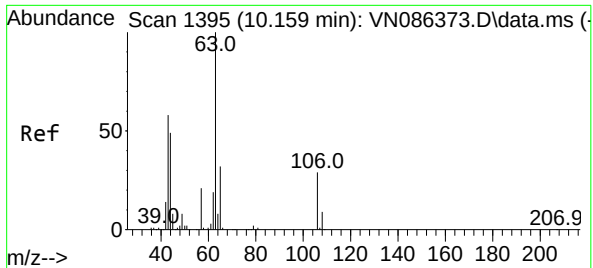


#54
1,2-Dibromoethane
Concen: 21.354 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12



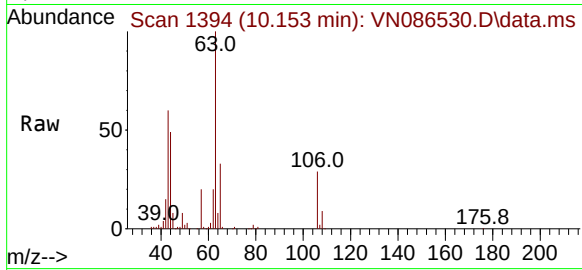
Tgt Ion:107 Resp: 56670
Ion Ratio Lower Upper
107 100
109 95.9 75.4 113.0





#55
2-Chloroethyl vinyl ether
Concen: 86.214 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

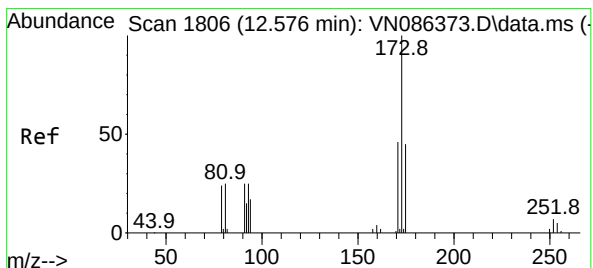
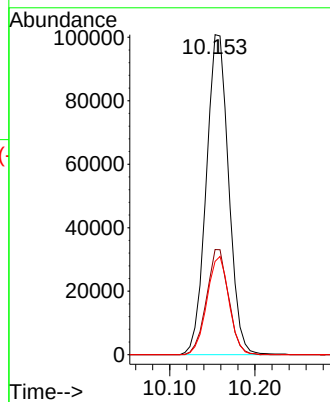
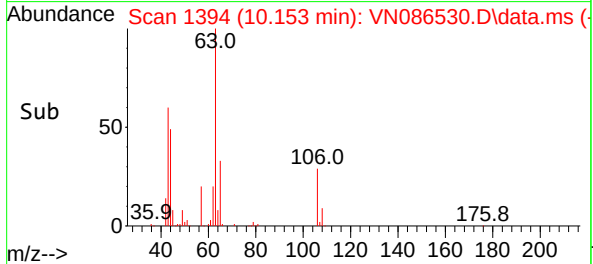
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 63 Resp: 184254
Ion Ratio Lower Upper
63 100
65 32.3 25.7 38.5
106 30.2 22.3 33.5

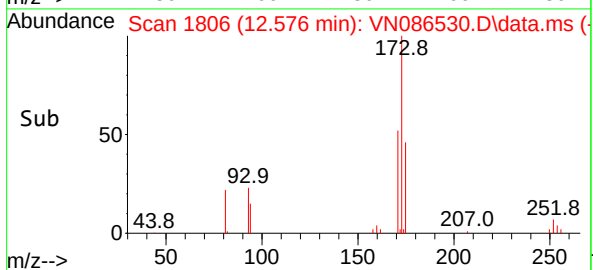
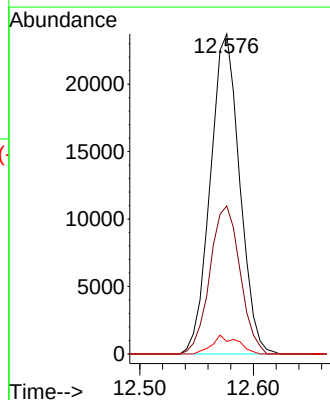
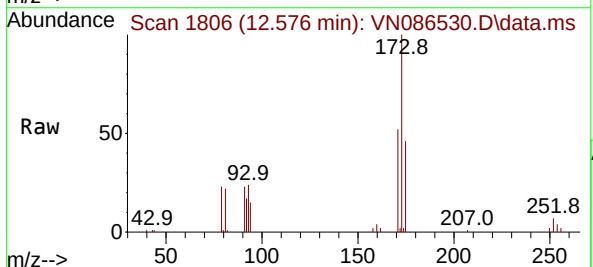
Manual Integrations
APPROVED

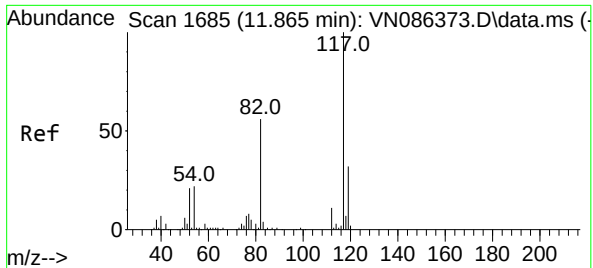
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#56
Bromoform
Concen: 22.367 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

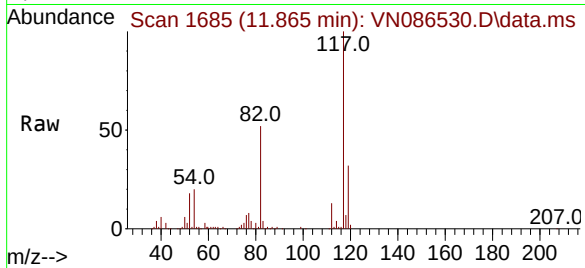
Tgt Ion:173 Resp: 42539
Ion Ratio Lower Upper
173 100
175 47.6 39.0 58.6
254 3.0 3.8 5.6#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

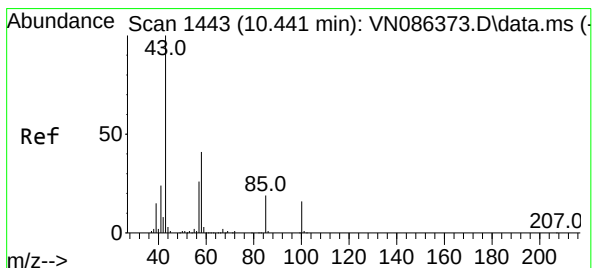
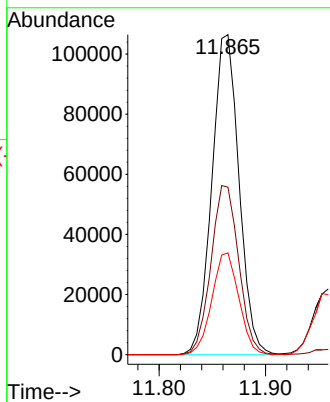
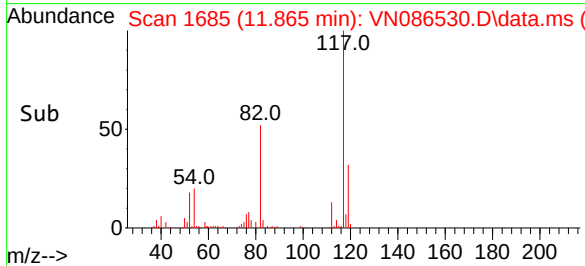
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 117 Resp: 18835
Ion Ratio Lower Upper
117 100
82 54.0 45.5 68.3
119 31.7 25.9 38.9

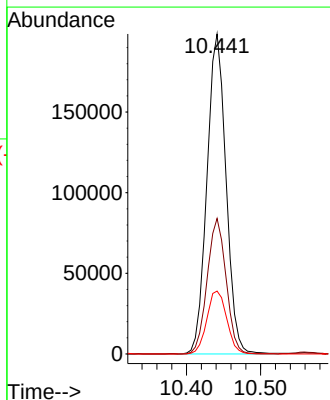
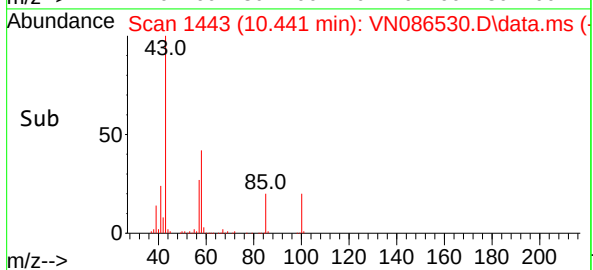
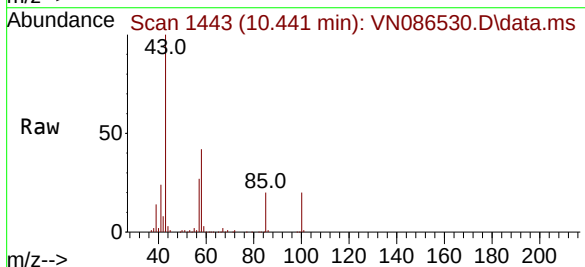
Manual Integrations
APPROVED

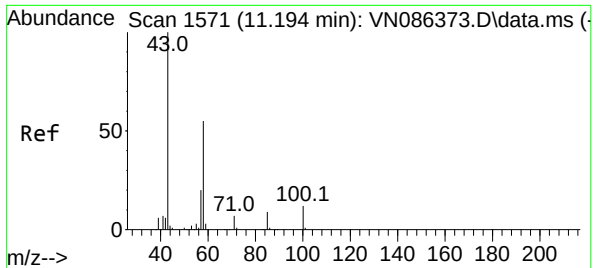
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#58
4-Methyl-2-Pentanone
Concen: 97.446 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

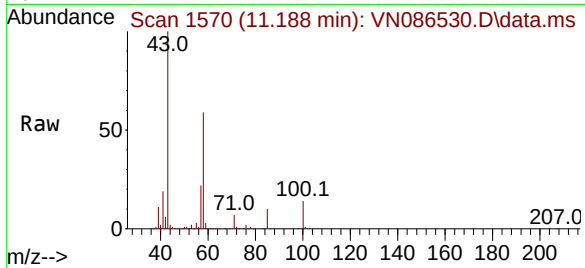
Tgt Ion: 43 Resp: 355187
Ion Ratio Lower Upper
43 100
58 42.1 33.0 49.6
85 20.5 14.9 22.3





#59
2-Hexanone
Concen: 97.639 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

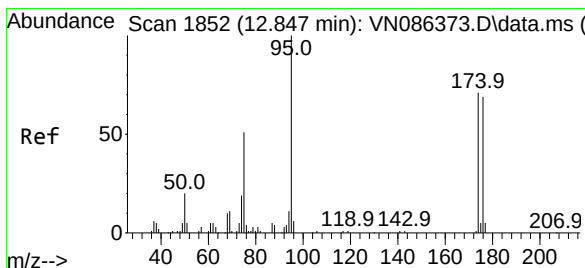
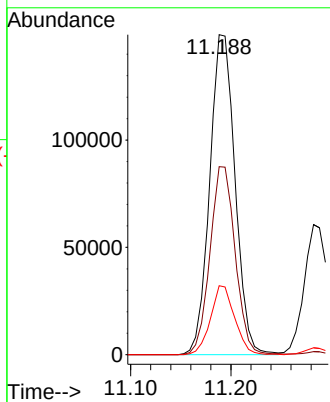
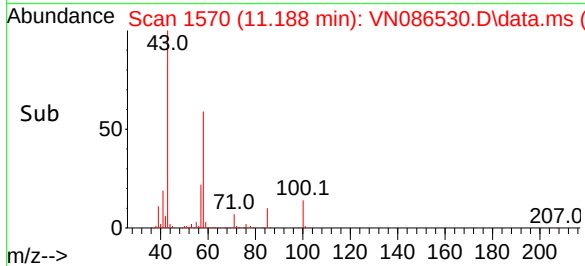
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



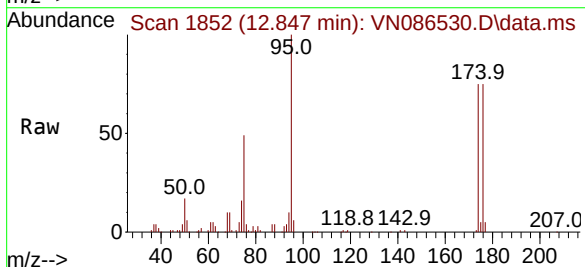
Tgt Ion: 43 Resp: 262260
Ion Ratio Lower Upper
43 100
58 58.4 45.0 67.6
57 20.5 15.5 23.3

Manual Integrations
APPROVED

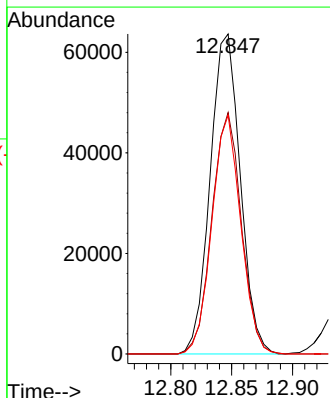
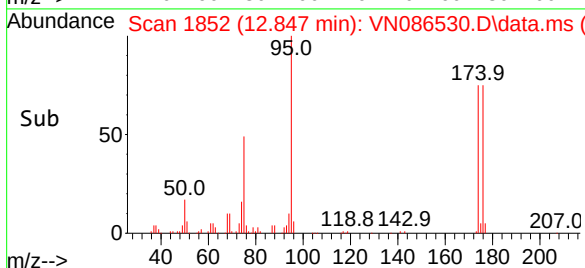
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

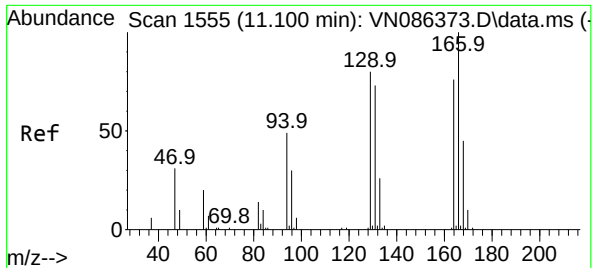


#60
4-Bromofluorobenzene
Concen: 29.612 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12



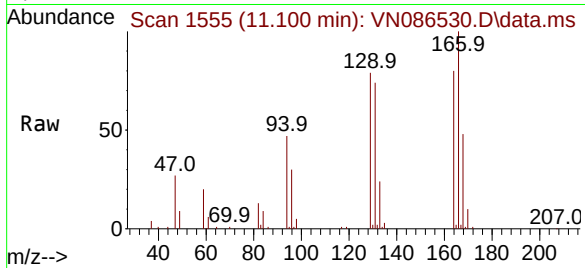
Tgt Ion: 95 Resp: 109626
Ion Ratio Lower Upper
95 100
174 73.8 56.6 84.8
176 71.5 53.3 79.9





#61
Tetrachloroethene
Concen: 21.371 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

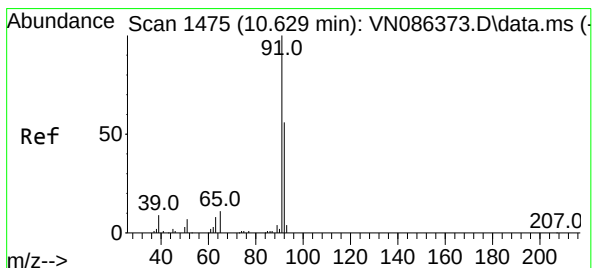
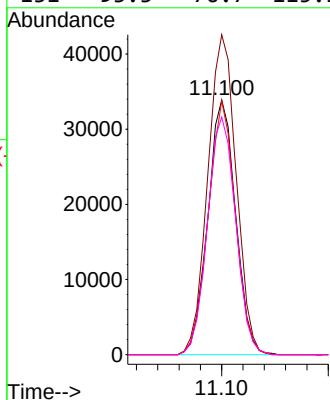
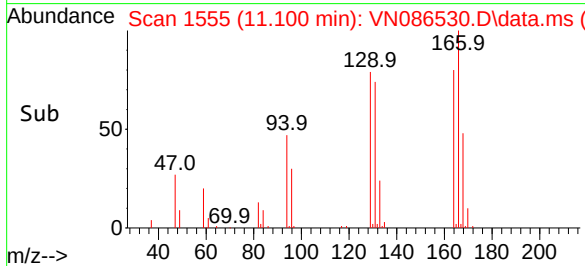
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion:164 Resp: 61390
Ion Ratio Lower Upper
164 100
166 125.6 105.0 157.4
129 99.6 83.9 125.9
131 93.3 76.7 115.1

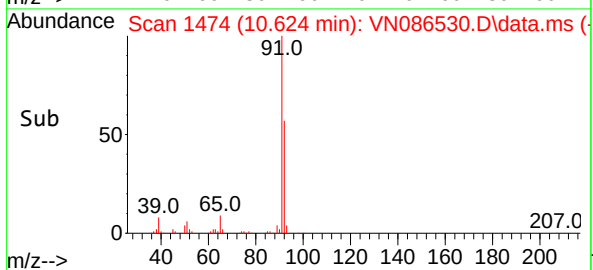
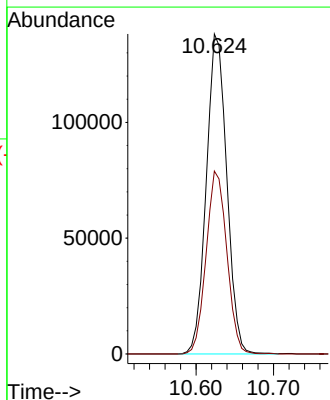
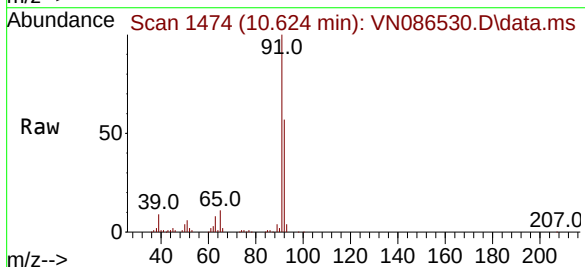
Manual Integrations
APPROVED

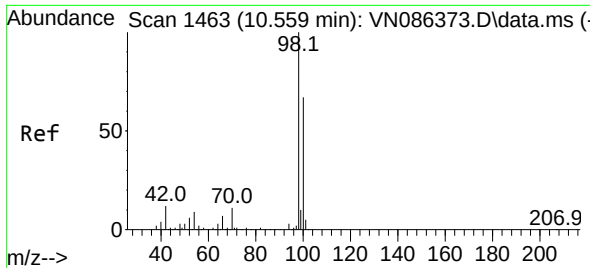
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#62
Toluene
Concen: 20.101 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

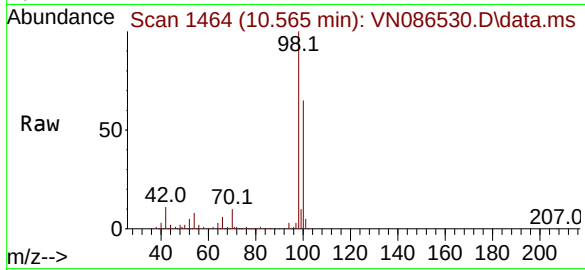
Tgt Ion: 91 Resp: 253424
Ion Ratio Lower Upper
91 100
92 57.8 45.7 68.5





#63
Toluene-d8
Concen: 28.868 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

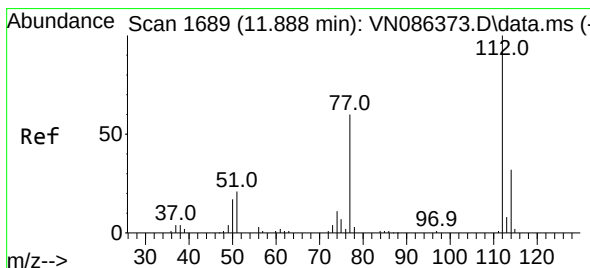
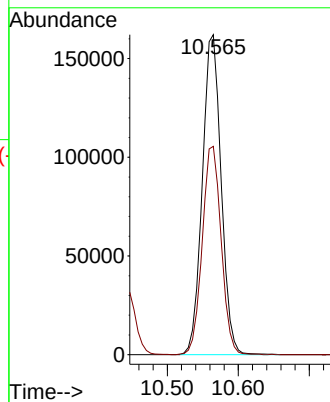
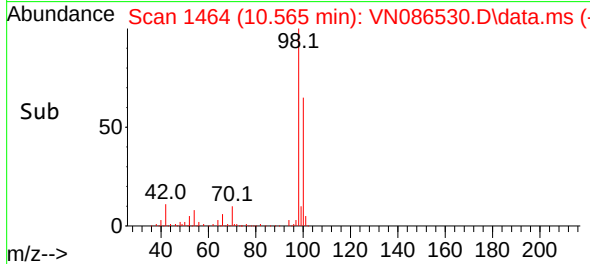
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 98 Resp: 29914
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7

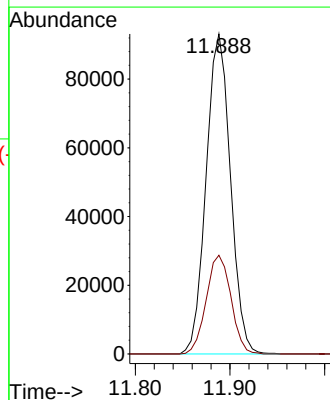
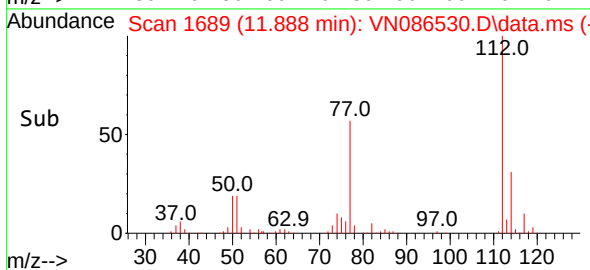
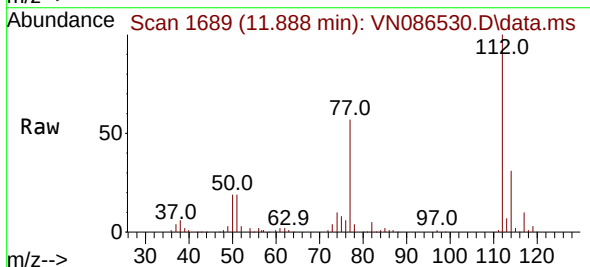
Manual Integrations
APPROVED

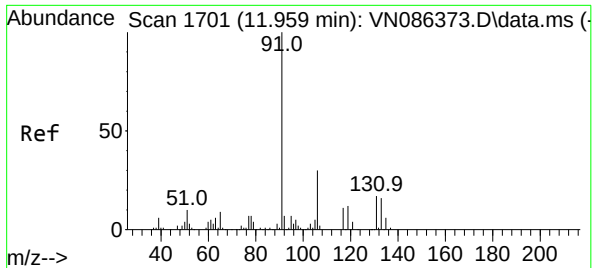
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#64
Chlorobenzene
Concen: 21.154 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion:112 Resp: 166183
Ion Ratio Lower Upper
112 100
114 30.9 25.6 38.4





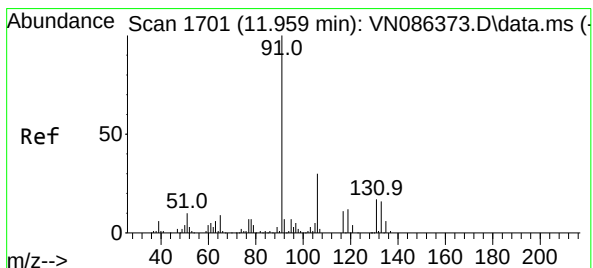
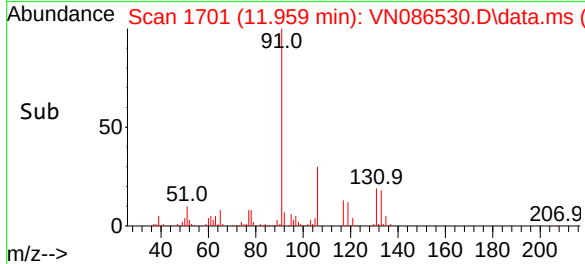
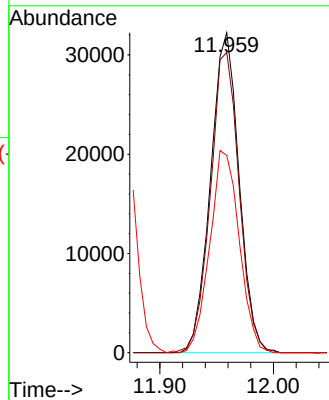
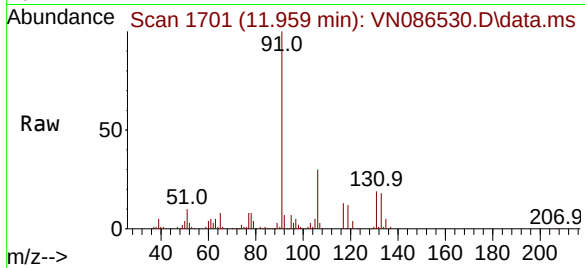
#65
1,1,1,2-Tetrachloroethane
Concen: 21.412 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	0.0	191.4
119	65.2	0.0	133.6

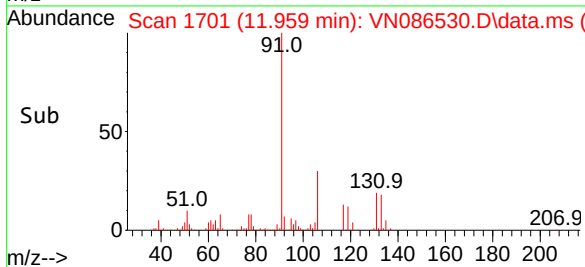
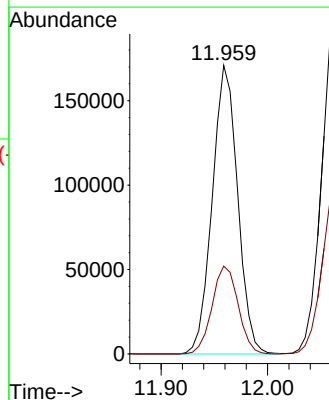
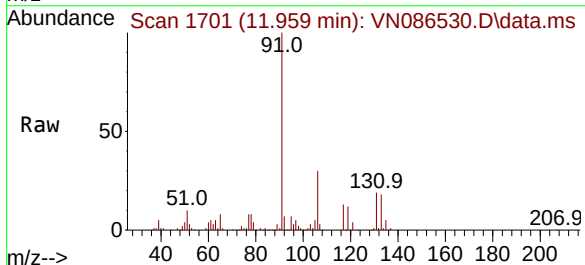
Manual Integrations
APPROVED

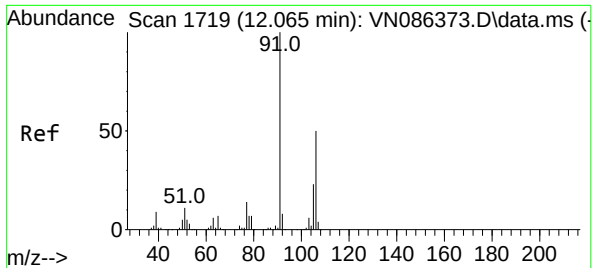
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#66
Ethyl Benzene
Concen: 19.903 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.3	36.5





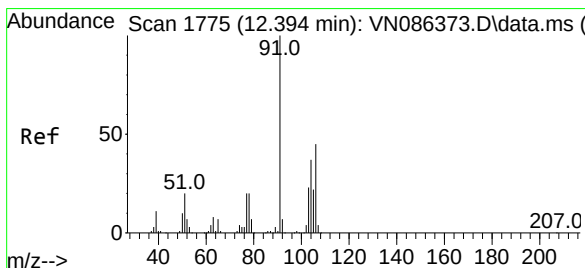
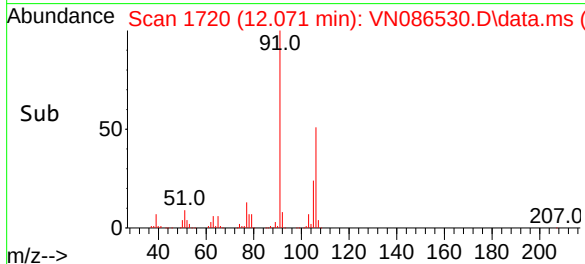
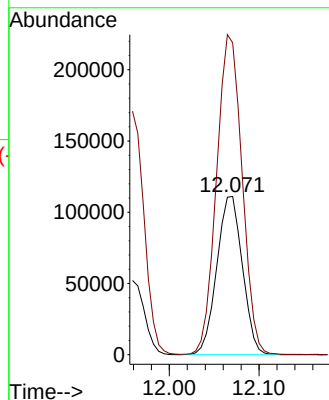
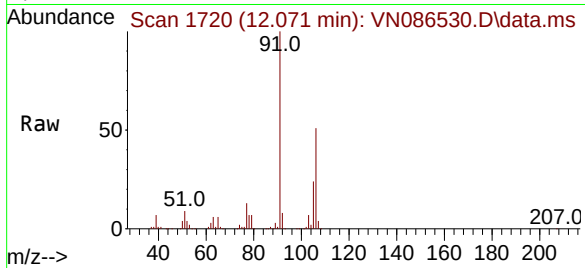
#67
m/p-Xylenes
Concen: 40.946 ug/l
RT: 12.071 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tgt Ion:106 Resp: 22048
Ion Ratio Lower Upper
106 100
91 202.0 162.6 243.8

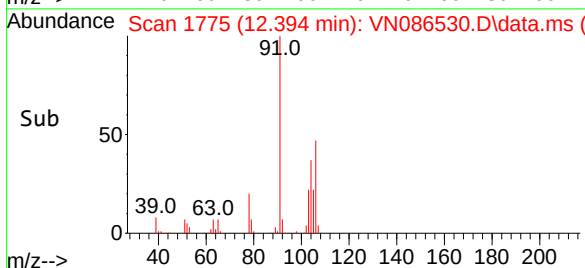
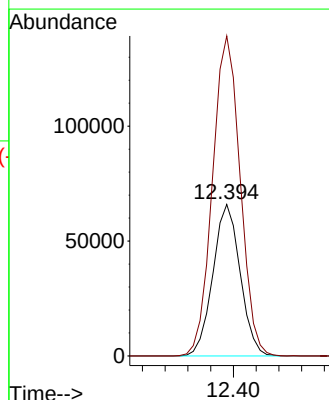
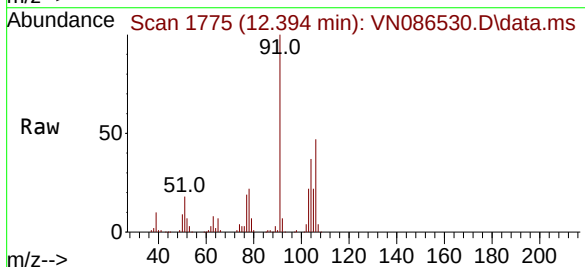
Manual Integrations
APPROVED

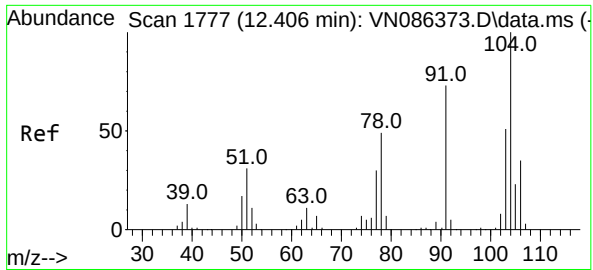
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#68
o-Xylene
Concen: 20.833 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion:106 Resp: 109838
Ion Ratio Lower Upper
106 100
91 214.4 110.6 331.6





#69

Styrene

Concen: 20.156 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

Tgt Ion:104 Resp: 18011

Ion Ratio Lower Upper

104 100

78 49.8 40.2 60.4

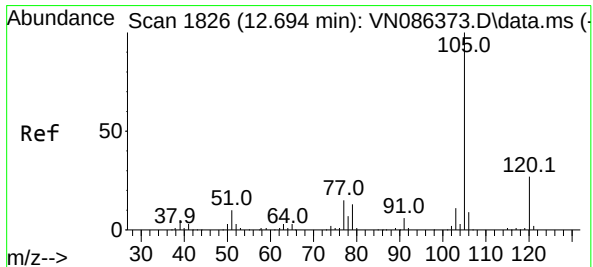
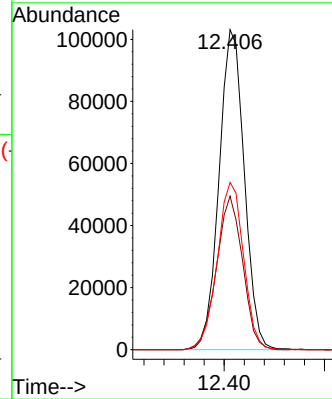
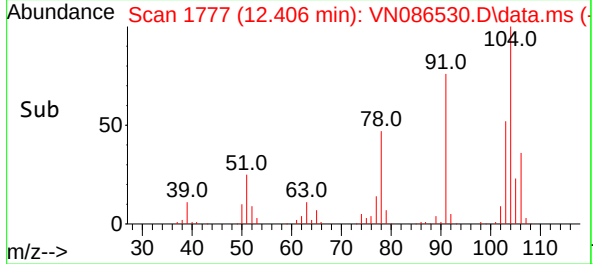
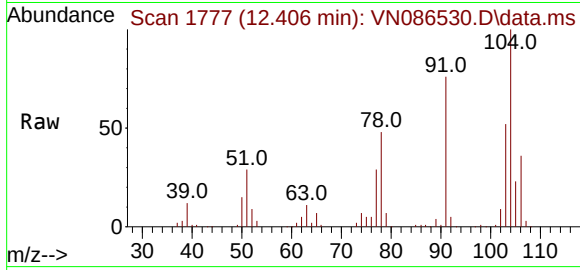
103 54.6 43.8 65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#70

Isopropylbenzene

Concen: 20.474 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN086530.D

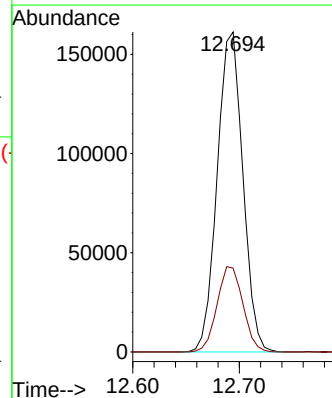
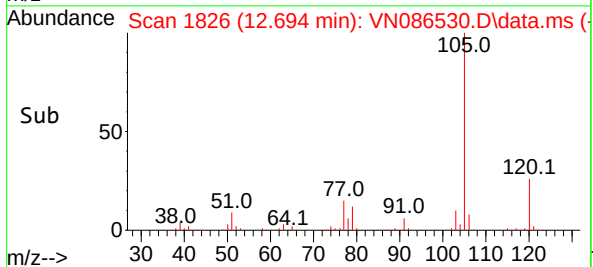
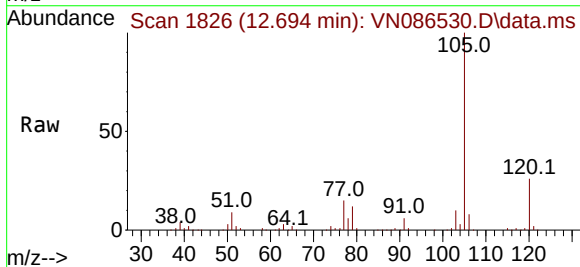
Acq: 07 May 2025 12:12

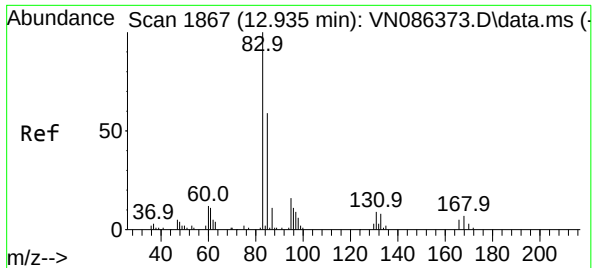
Tgt Ion:105 Resp: 269453

Ion Ratio Lower Upper

105 100

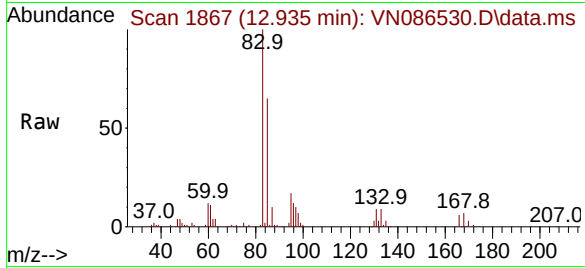
120 26.8 18.2 33.8





#71
1,1,2,2-Tetrachloroethane
Concen: 21.880 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

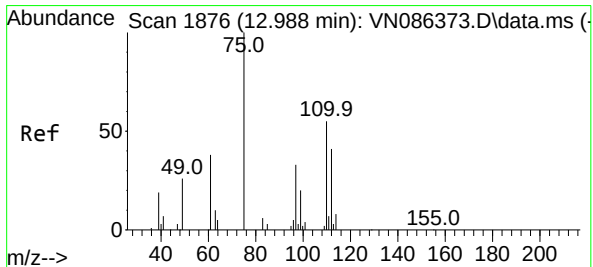
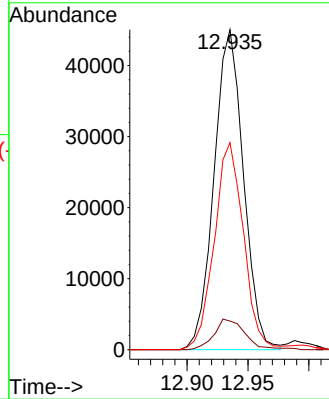
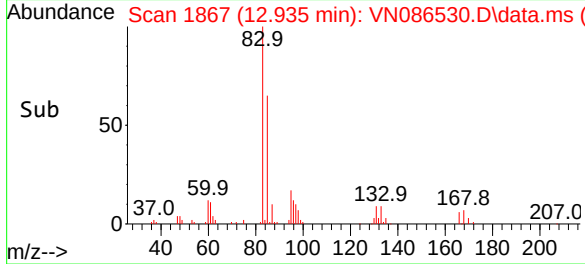
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 83 Resp: 7582
Ion Ratio Lower Upper
83 100
131 10.1 4.5 13.7
85 64.1 31.7 95.1

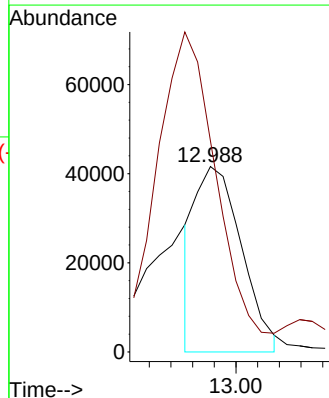
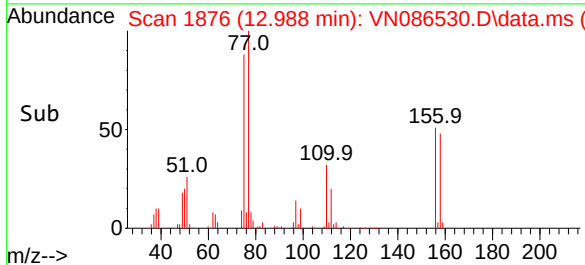
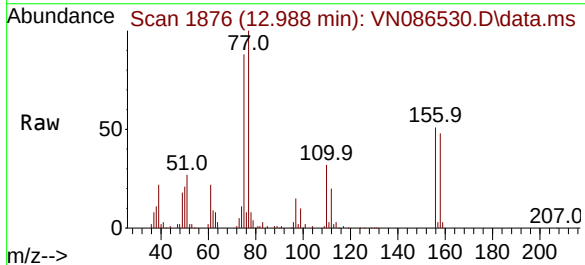
Manual Integrations
APPROVED

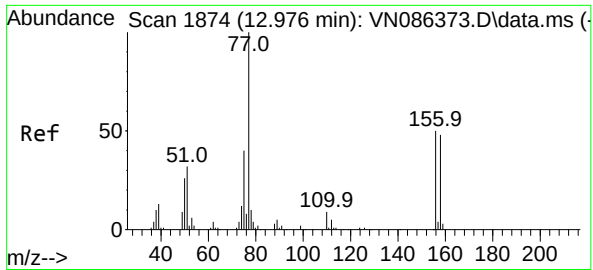
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#72
1,2,3-Trichloropropane
Concen: 20.377 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

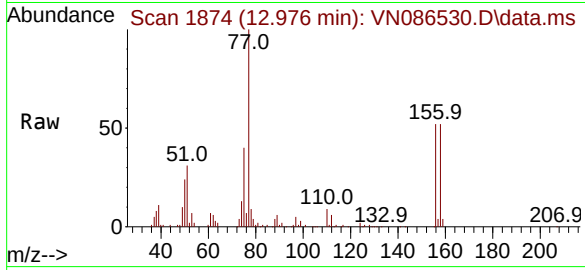
Tgt Ion: 75 Resp: 61562
Ion Ratio Lower Upper
75 100
77 229.2 0.0 464.4





#73
Bromobenzene
Concen: 21.999 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

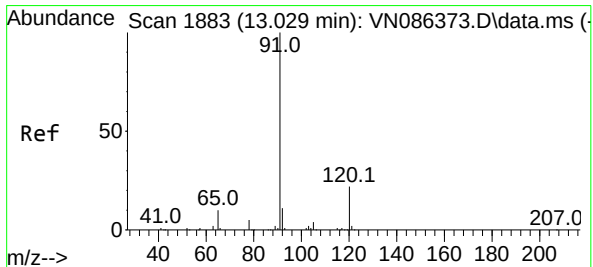
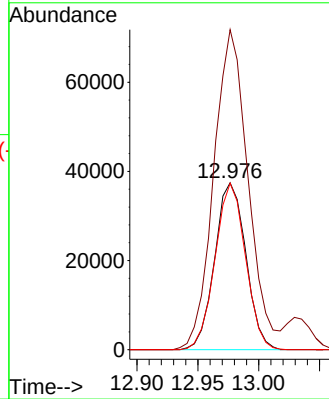
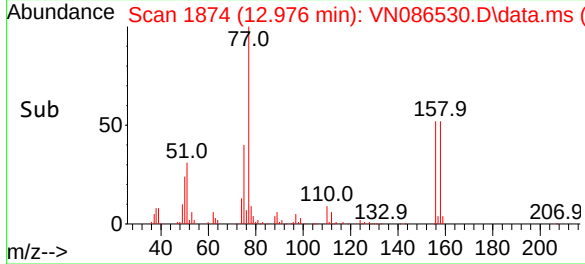
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion:156 Resp: 6656
Ion Ratio Lower Upper
156 100
77 212.0 0.0 463.4
158 97.4 0.0 191.8

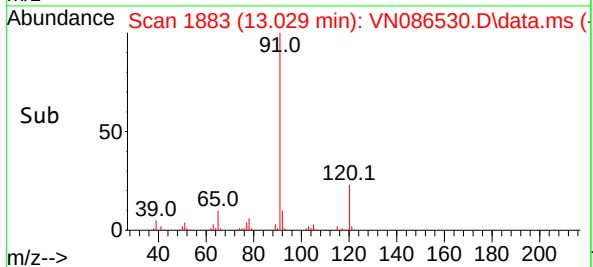
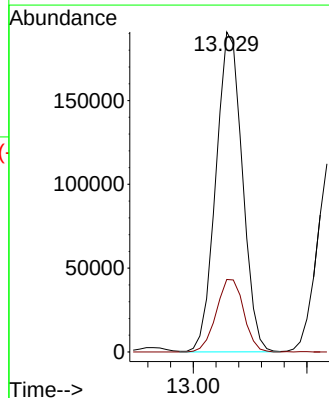
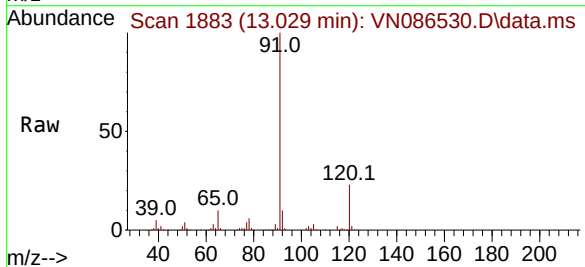
Manual Integrations
APPROVED

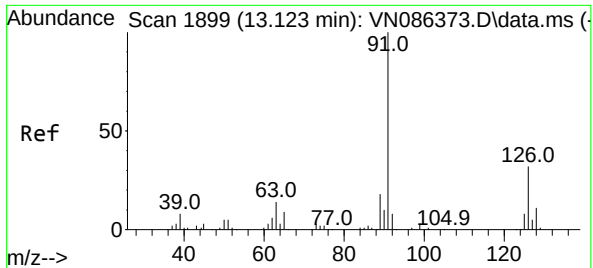
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#74
n-propylbenzene
Concen: 19.778 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion: 91 Resp: 309316
Ion Ratio Lower Upper
91 100
120 23.4 0.0 43.8





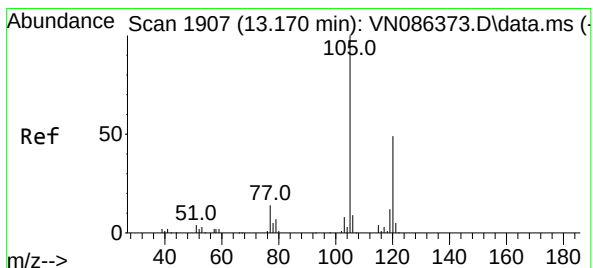
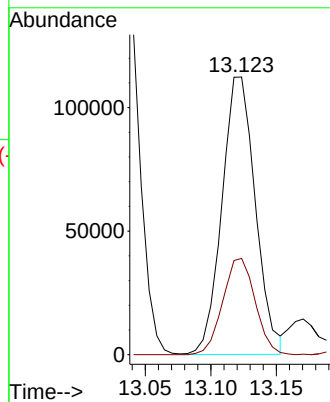
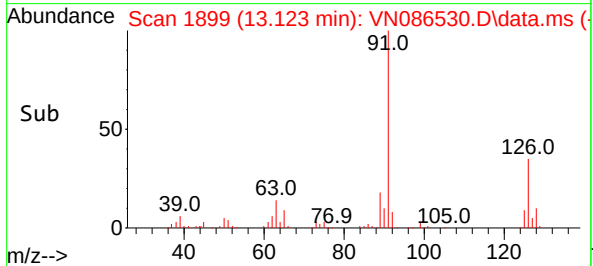
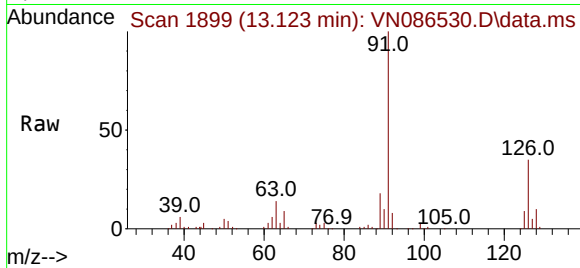
#75
2-Chlorotoluene
Concen: 20.398 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tgt Ion: 91 Resp: 19914
Ion Ratio Lower Upper
91 100
126 33.6 0.0 65.0

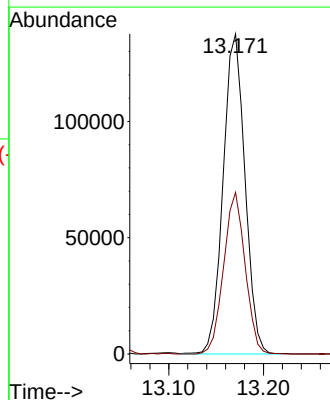
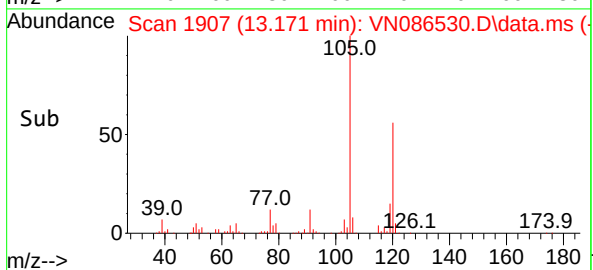
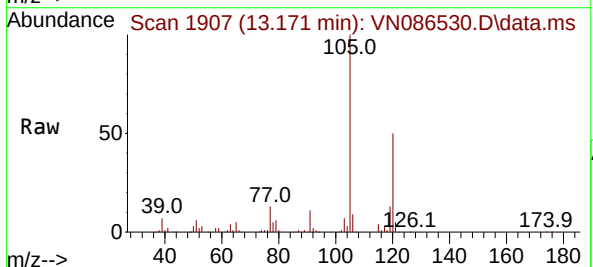
Manual Integrations
APPROVED

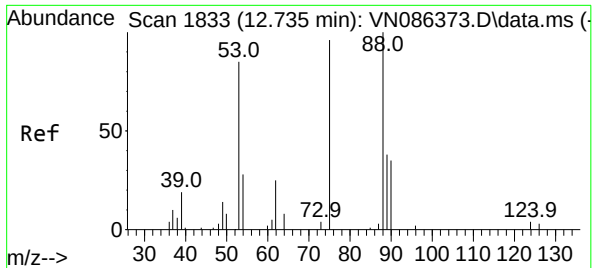
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#76
1,3,5-Trimethylbenzene
Concen: 20.436 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

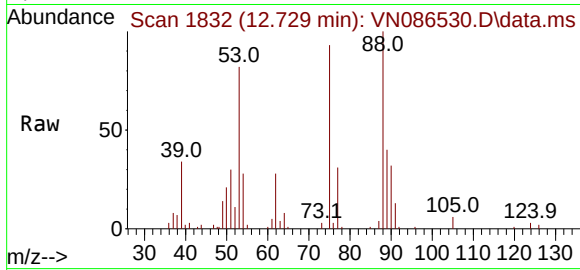
Tgt Ion:105 Resp: 220686
Ion Ratio Lower Upper
105 100
120 49.5 0.0 97.6





#77
t-1,4-Dichloro-2-butene
Concen: 18.710 ug/l
RT: 12.729 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

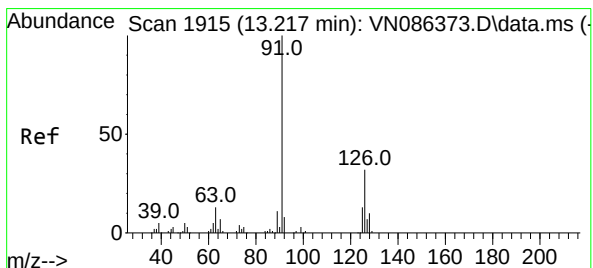
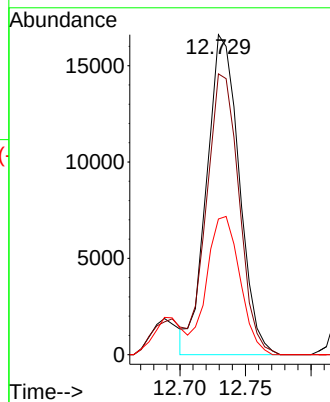
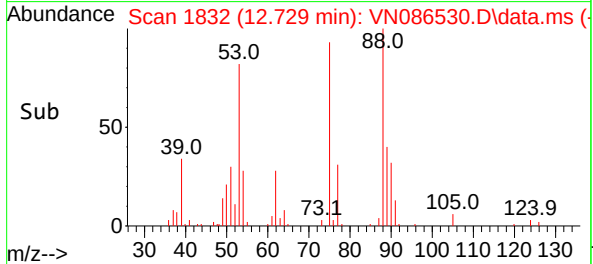
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion: 75 Resp: 2868
Ion Ratio Lower Upper
75 100
53 87.8 46.0 138.0
89 42.4 21.6 64.6

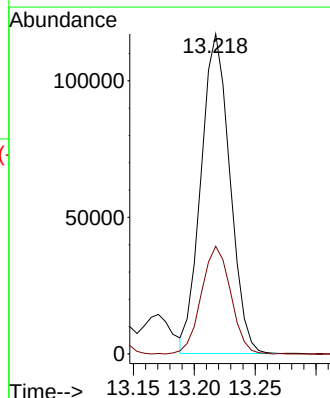
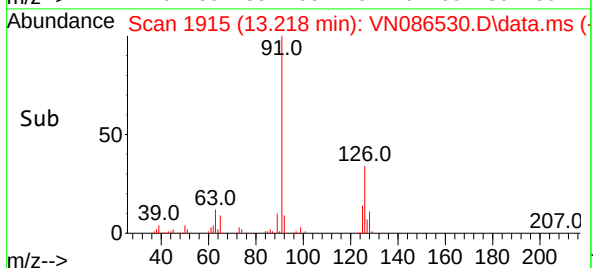
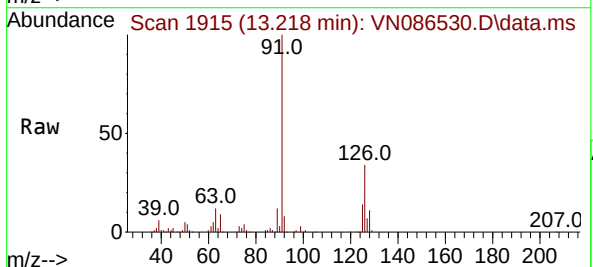
Manual Integrations
APPROVED

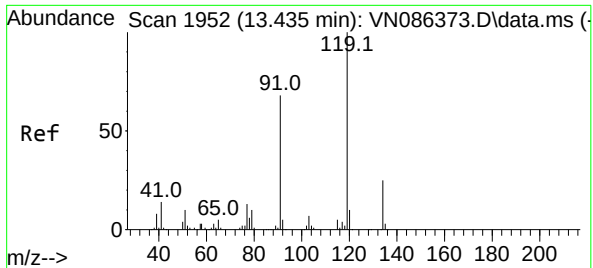
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#78
4-Chlorotoluene
Concen: 19.812 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

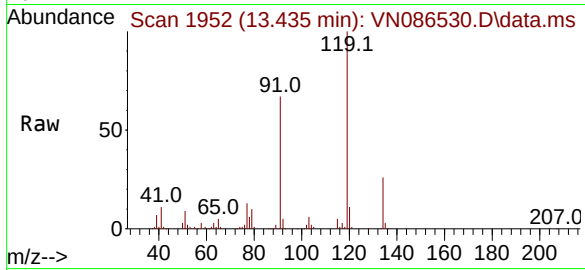
Tgt Ion: 91 Resp: 193400
Ion Ratio Lower Upper
91 100
126 34.1 0.0 65.4





#79
tert-butylbenzene
Concen: 20.676 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

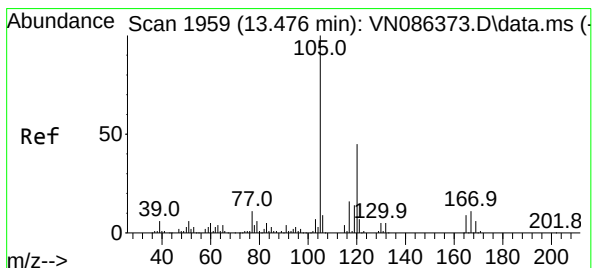
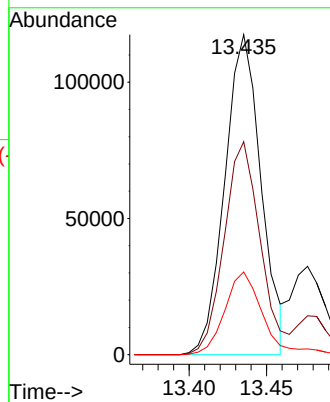
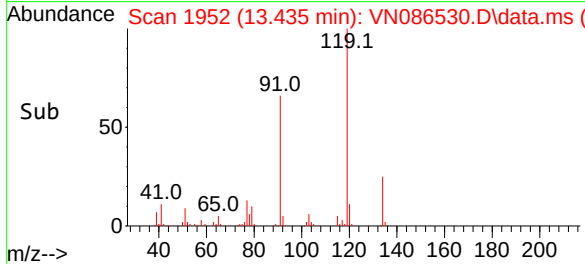
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



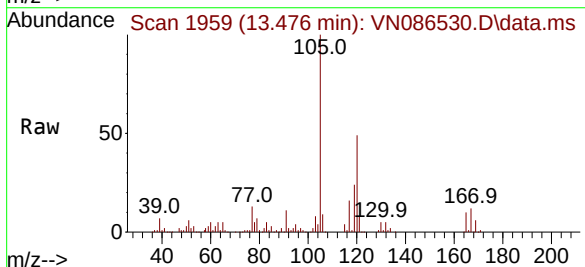
Tgt Ion:119 Resp: 191217
Ion Ratio Lower Upper
119 100
91 66.7 0.0 137.4
134 27.1 0.0 49.2

Manual Integrations
APPROVED

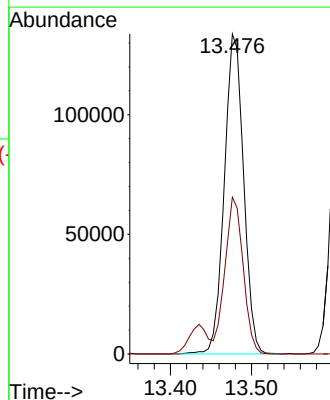
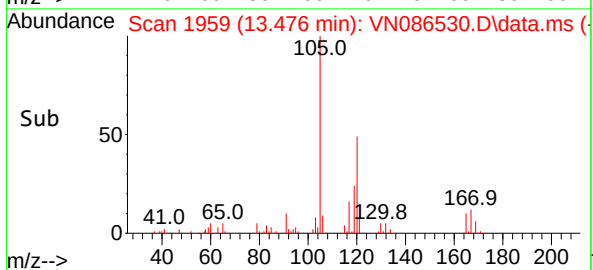
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

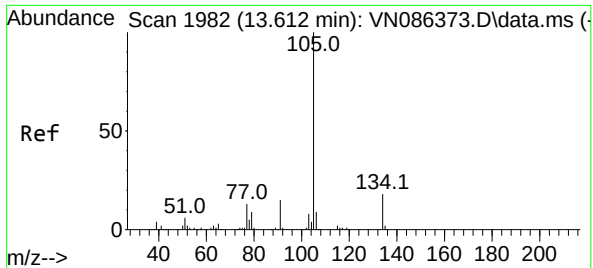


#80
1,2,4-Trimethylbenzene
Concen: 20.022 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12



Tgt Ion:105 Resp: 220815
Ion Ratio Lower Upper
105 100
120 46.1 0.0 87.6





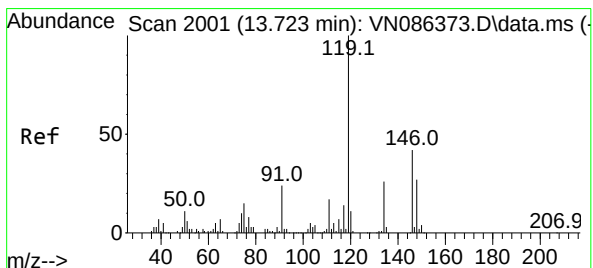
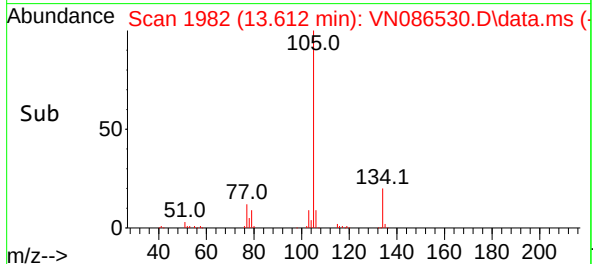
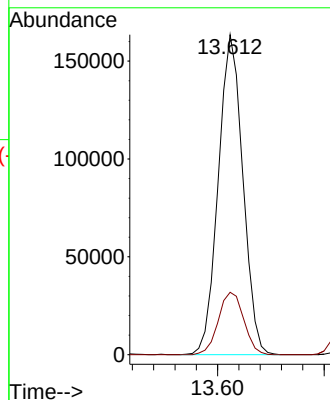
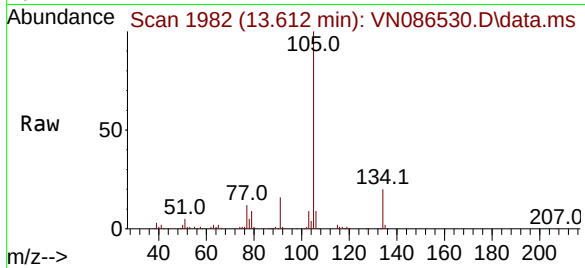
#81
sec-Butylbenzene
Concen: 19.825 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tgt Ion:105 Resp: 26172
Ion Ratio Lower Upper
105 100
134 20.2 0.0 38.4

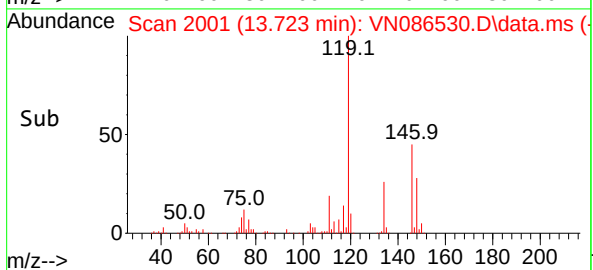
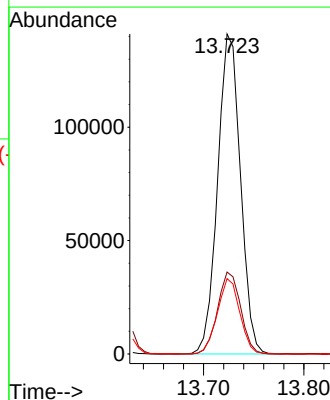
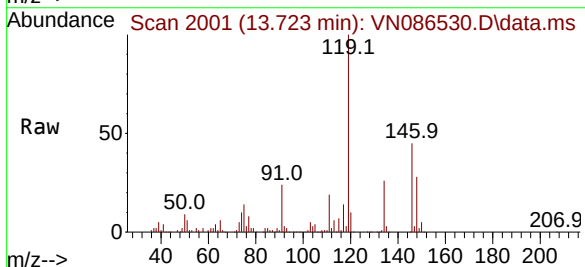
Manual Integrations
APPROVED

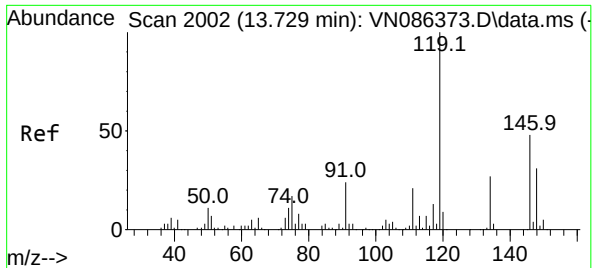
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#82
p-Isopropyltoluene
Concen: 20.207 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

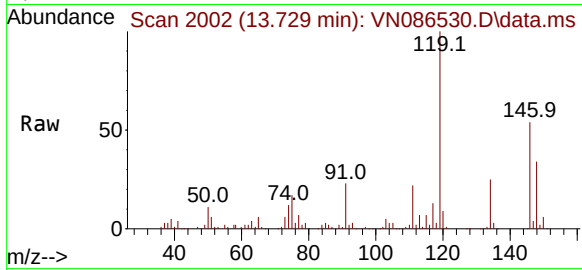
Tgt Ion:119 Resp: 223219
Ion Ratio Lower Upper
119 100
134 25.8 0.0 52.2
91 23.1 0.0 47.6





#83
1,3-Dichlorobenzene
Concen: 20.935 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

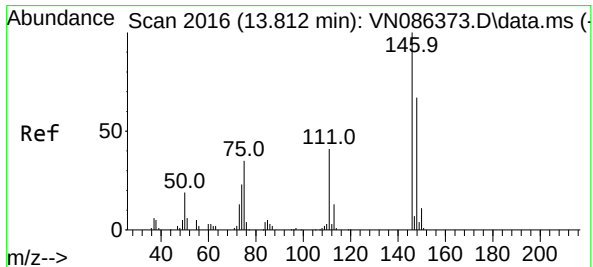
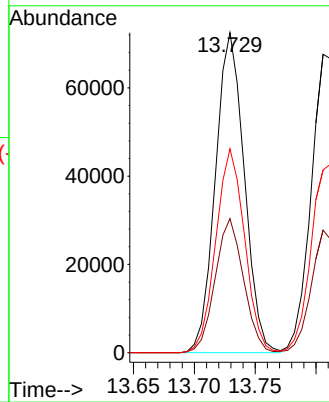
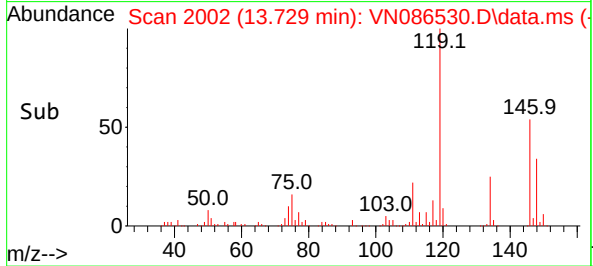
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion:146 Resp: 119739
Ion Ratio Lower Upper
146 100
111 41.2 20.7 62.1
148 63.5 32.3 96.8

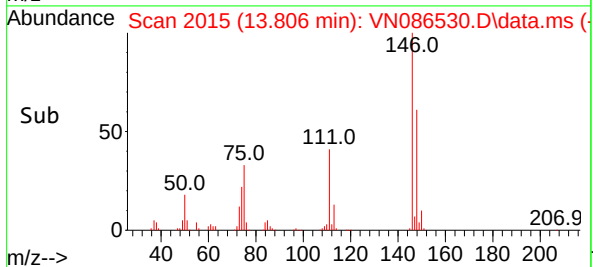
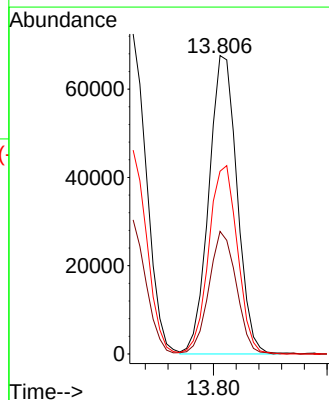
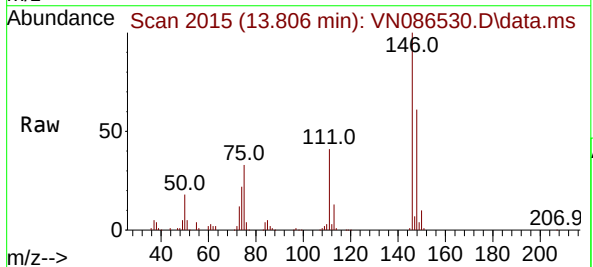
Manual Integrations
APPROVED

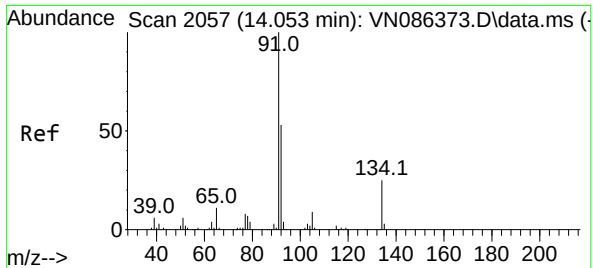
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#84
1,4-Dichlorobenzene
Concen: 20.666 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.006 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion:146 Resp: 116786
Ion Ratio Lower Upper
146 100
111 39.9 20.3 60.8
148 64.2 32.4 97.2





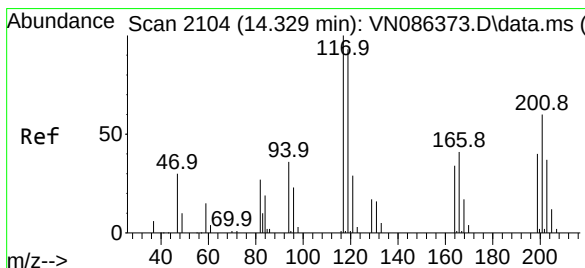
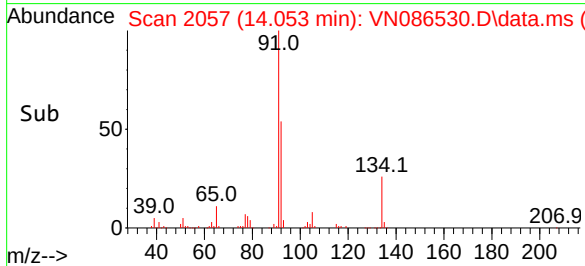
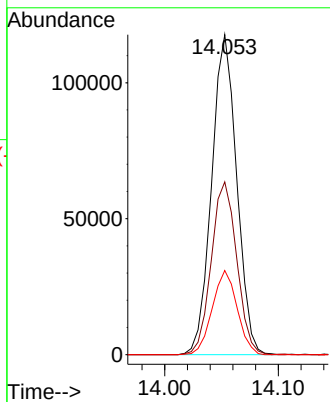
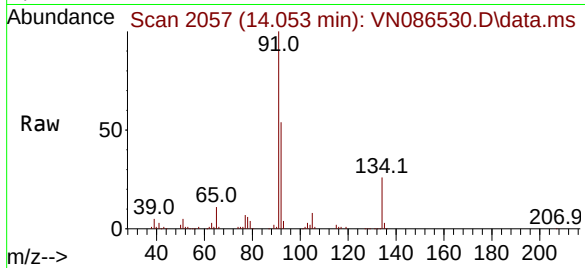
#85
n-Butylbenzene
Concen: 18.315 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tgt Ion: 91 Resp: 180529
Ion Ratio Lower Upper
91 100
92 54.7 0.0 107.2
134 26.1 0.0 48.2

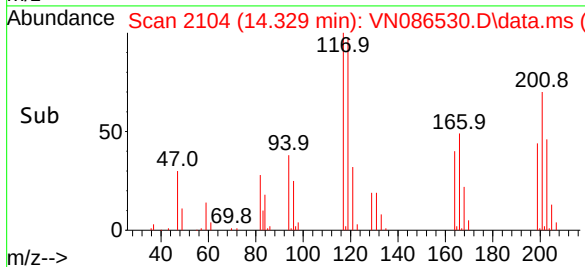
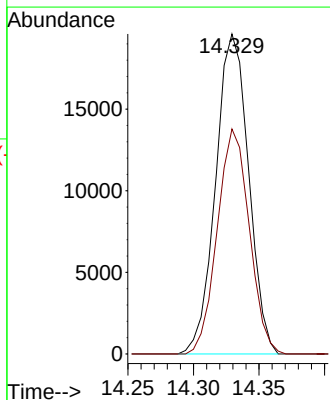
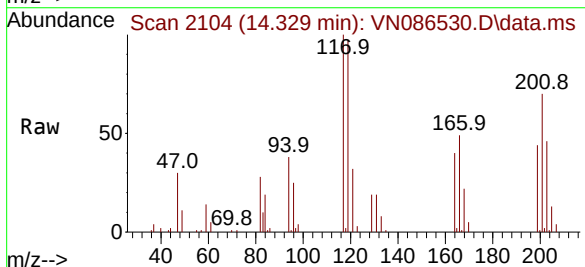
Manual Integrations
APPROVED

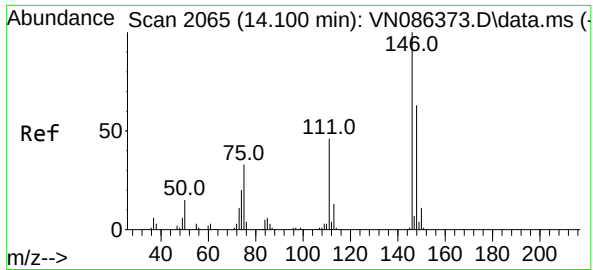
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#86
Hexachloroethane
Concen: 18.971 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion:117 Resp: 34268
Ion Ratio Lower Upper
117 100
201 68.3 31.7 95.1





#87

1,2-Dichlorobenzene

Concen: 20.979 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

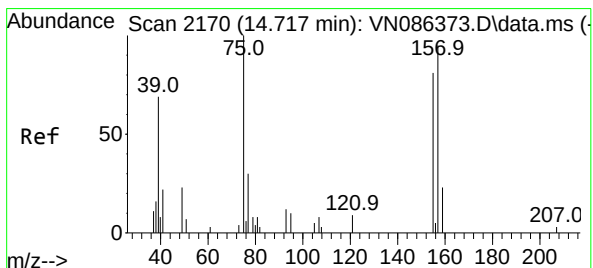
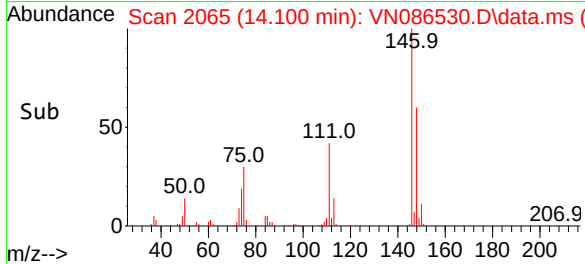
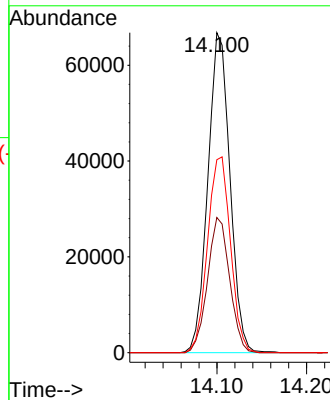
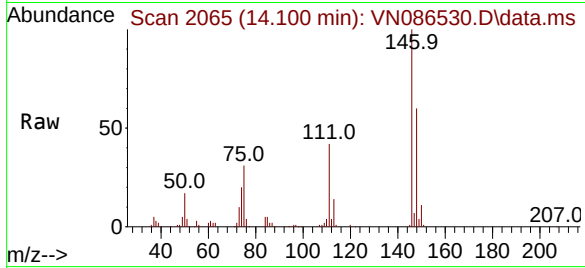
Tgt Ion:	146	Resp:	114170
Ion	Ratio	Lower	Upper
146	100		
111	42.3	22.1	66.3
148	63.5	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.246 ug/l

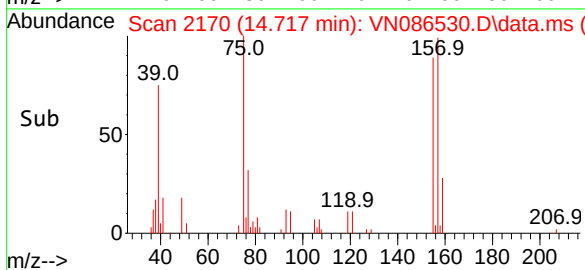
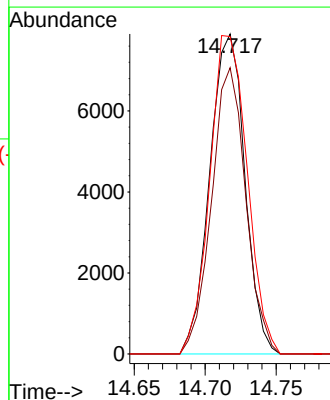
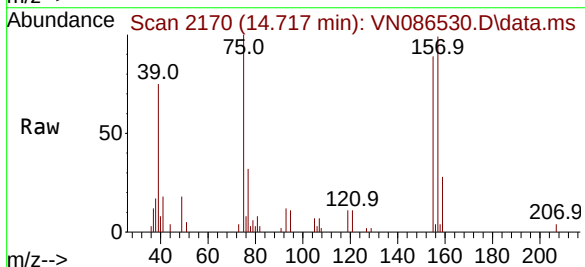
RT: 14.717 min Scan# 2170

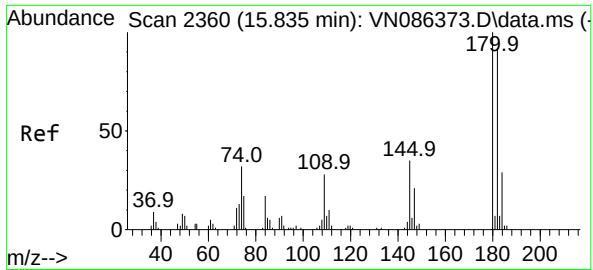
Delta R.T. 0.000 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

Tgt Ion:	75	Resp:	13556
Ion	Ratio	Lower	Upper
75	100		
155	87.3	64.0	96.0
157	106.3	78.2	117.4





#89

1,2,4-Trichlorobenzene

Concen: 20.719 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.000 min

Lab File: VN086530.D

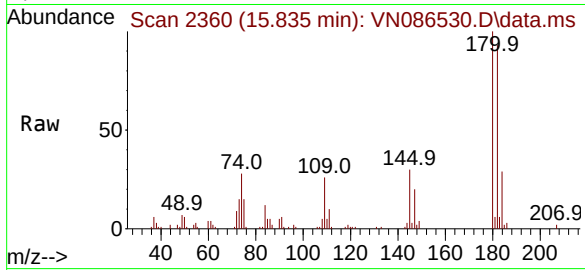
Acq: 07 May 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01



Tgt Ion:180 Resp: 51392

Ion Ratio Lower Upper

180 100

182 92.5 74.8 112.2

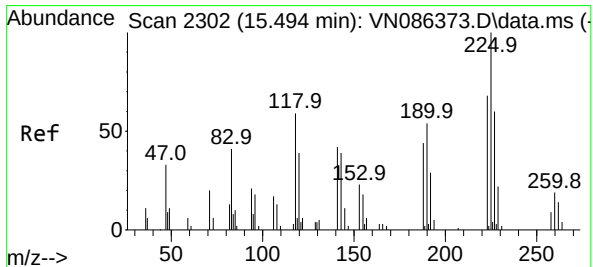
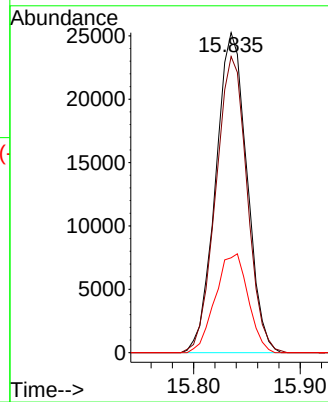
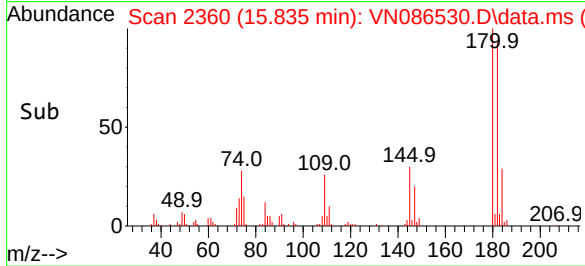
145 32.4 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#90

Hexachlorobutadiene

Concen: 20.424 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. 0.000 min

Lab File: VN086530.D

Acq: 07 May 2025 12:12

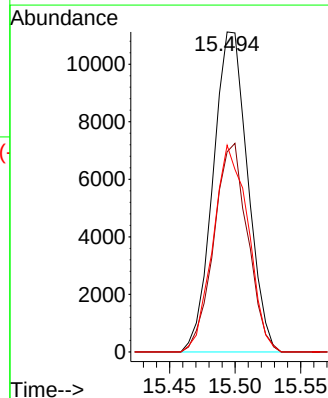
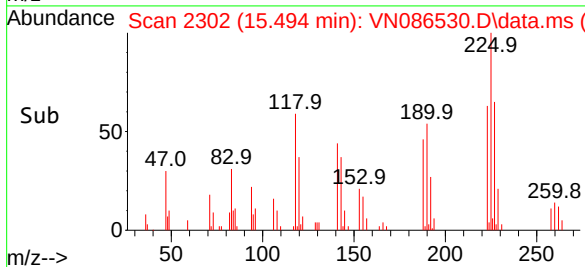
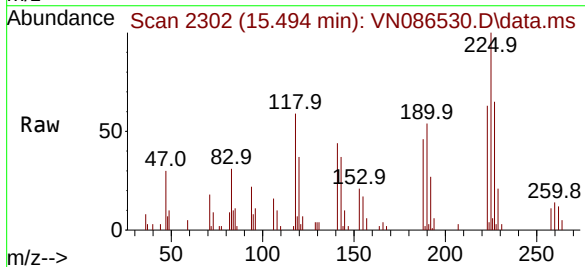
Tgt Ion:225 Resp: 20406

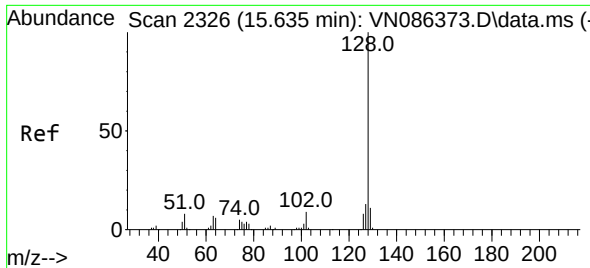
Ion Ratio Lower Upper

225 100

223 63.7 0.0 128.8

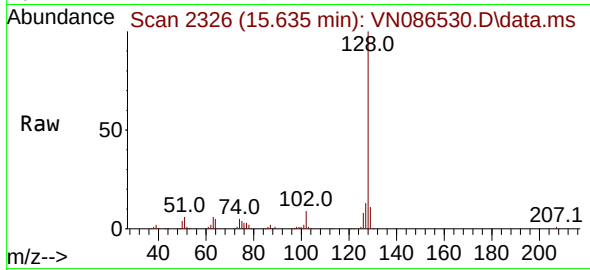
227 65.3 0.0 120.2





#91
Naphthalene
Concen: 19.577 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

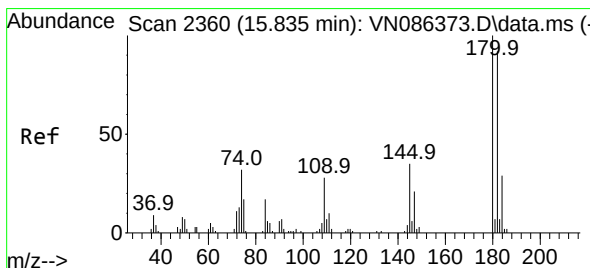
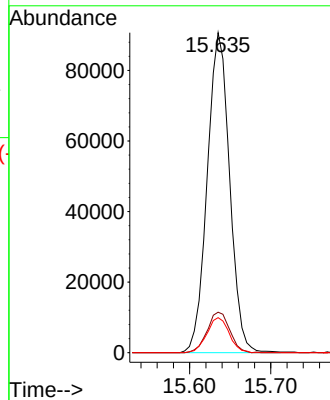
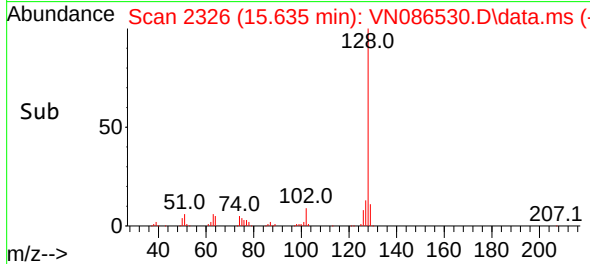
Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01



Tgt Ion:128 Resp: 17384
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.9 8.7 13.1

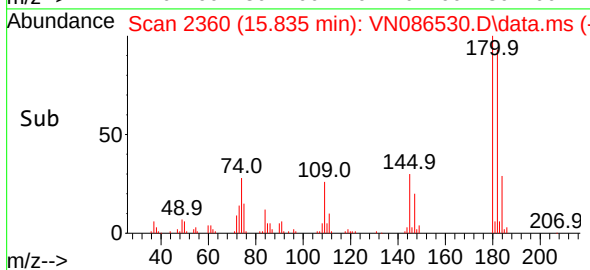
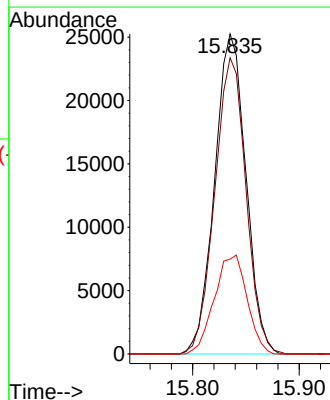
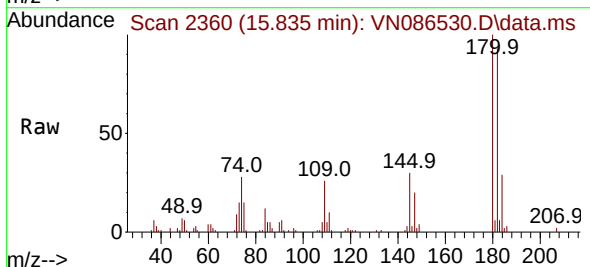
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#92
1,2,3-Trichlorobenzene
Concen: 20.719 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. 0.000 min
Lab File: VN086530.D
Acq: 07 May 2025 12:12

Tgt Ion:180 Resp: 51392
Ion Ratio Lower Upper
180 100
182 92.5 0.0 187.0
145 32.4 0.0 67.2



Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	05/01/25
Project:	Transfer Station-SPDES	Date Received:	05/02/25
Client Sample ID:	001-WILLETS-PT-BLVD(MAY)MS	SDG No.:	Q1949
Lab Sample ID:	Q1949-02MS	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086534.D	1		05/07/25 14:45	VN050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	21.8		0.45	5.00	ug/L
108-88-3	Toluene	80.9		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	23.7		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	51.4		1.30	10.0	ug/L
95-47-6	o-Xylene	25.8		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.6		91 - 110	95%	SPK: 30
2037-26-5	Toluene-d8	29.4		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.9		63 - 112	96%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	23300	7.806			
540-36-3	1,4-Difluorobenzene	138000	9.1			
3114-55-4	Chlorobenzene-d5	122000	11.865			

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\VN050725\
 Data File : VN086534.D
 Acq On : 07 May 2025 14:45
 Operator : JC\MD
 Sample : Q1949-02MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(MAY)MS

Quant Time: May 08 03:26:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

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

Internal Standards						
1) Bromochloromethane	7.806	128	23320	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	137659	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	122368	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	64320	28.608	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.367%		
60) 4-Bromofluorobenzene	12.847	95	69394	28.853	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.167%		
63) Toluene-d8	10.565	98	198149	29.434	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	38111	23.672	ug/l	98
3) Chloromethane	2.359	50	41896	18.320	ug/l	94
4) Vinyl Chloride	2.512	62	45316	20.689	ug/l	98
5) Bromomethane	2.965	94	24477	21.404	ug/l	98
6) Chloroethane	3.124	64	29431	20.155	ug/l	98
7) Trichlorofluoromethane	3.500	101	63226	24.454	ug/l	97
8) Diethyl Ether	3.959	74	24712	22.643	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	38924	24.489	ug/l	99
10) 1,1-Dichloroethene	4.341	96	38703	23.790	ug/l	94
11) Methyl Iodide	4.589	142	39142	20.563	ug/l	98
12) Methyl Acetate	5.024	43	53104	23.029	ug/l	98
13) Acrolein	4.183	56	10421	90.015	ug/l	100
14) Acrylonitrile	5.718	53	96772	112.759	ug/l	98
15) Acetone	4.418	58	243388	1029.187	ug/l	94
16) Carbon Disulfide	4.718	76	136437	31.826	ug/l	99
17) Allyl chloride	5.018	41	48550	18.664	ug/l	96
18) Methylene Chloride	5.277	84	43929	23.711	ug/l	92
19) trans-1,2-Dichloroethene	5.788	96	39479	22.767	ug/l	93
20) Diisopropyl ether	6.665	45	125778	20.335	ug/l	94
21) 1,1-Dichloroethane	6.565	63	71806	21.209	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	49314	22.744	ug/l	91
23) tert-Butyl Alcohol	5.512	59	48857	146.956	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	133691	22.242	ug/l	98
25) Chloroform	7.959	83	82127	23.968	ug/l	100
26) Cyclohexane	8.253	56	62294	20.838	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	53162	21.906	ug/l	98
30) 2-Butanone	7.477	43	255586	216.983	ug/l	97
31) 2,2-Dichloropropane	7.488	77	68437	21.937	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	66276	22.854	ug/l	98
33) Carbon Tetrachloride	8.359	117	56277	23.573	ug/l	98
34) Benzene	8.600	78	168429	21.821	ug/l	98
35) Methacrylonitrile	7.777	41	38291	28.498	ug/l	88
36) 1,2-Dichloroethane	8.665	62	56477	22.536	ug/l	100
37) Trichloroethene	9.347	130	44414	22.985	ug/l	92
38) Methylcyclohexane	9.594	83	67043	23.920	ug/l	97
39) 1,2-Dichloropropane	9.618	63	40221	21.093	ug/l	94
40) Dibromomethane	9.706	93	28389	22.262	ug/l	91
41) Bromodichloromethane	9.882	83	59508	22.051	ug/l	98
42) Vinyl Acetate	6.600	43	454105	111.290	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086534.D
 Acq On : 07 May 2025 14:45
 Operator : JC\MD
 Sample : Q1949-02MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(MAY)MS

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/08/2025
 Supervised By :Mahesh Dadoda 05/08/2025

Quant Time: May 08 03:26:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

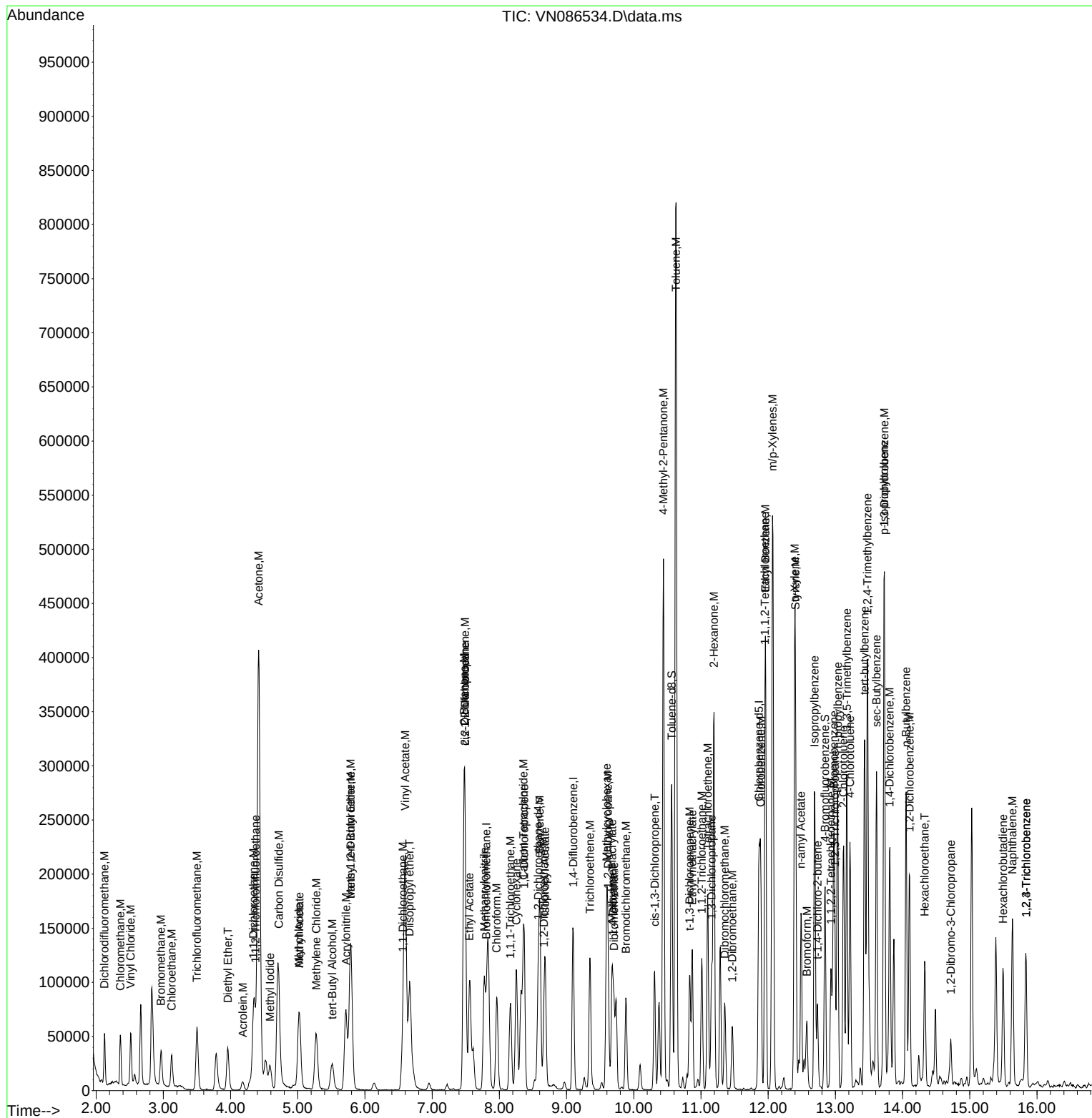
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	65744	28.204	ug/l	100
44) Isopropyl Acetate	8.682	43	101595	22.964	ug/l	100
45) 1,4-Dioxane	9.694	88	15567	450.979	ug/l	96
46) Methyl methacrylate	9.676	41	43831	21.478	ug/l	95
47) n-amyl Acetate	12.488	43	106588m	28.267	ug/l	
48) t-1,3-Dichloropropene	10.829	75	63497	21.046	ug/l	95
49) cis-1,3-Dichloropropene	10.312	75	66584	20.928	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	40806	22.909	ug/l	95
51) Ethyl methacrylate	10.870	69	68016	21.925	ug/l	95
52) 1,3-Dichloropropane	11.159	76	68735	21.834	ug/l	99
53) Dibromochloromethane	11.353	129	45661	22.830	ug/l	98
54) 1,2-Dibromoethane	11.465	107	41964	23.171	ug/l	99
56) Bromoform	12.576	173	29637	22.834	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	313941	132.577	ug/l	99
59) 2-Hexanone	11.194	43	216133	123.856	ug/l	98
61) Tetrachloroethene	11.100	164	41898	22.449	ug/l	97
62) Toluene	10.629	91	662657	80.903	ug/l	99
64) Chlorobenzene	11.888	112	119584	23.431	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.953	131	40116	23.508	ug/l	98
66) Ethyl Benzene	11.959	91	218054	23.651	ug/l	99
67) m/p-Xylenes	12.065	106	179777	51.391	ug/l	100
68) o-Xylene	12.394	106	88480	25.832	ug/l	94
69) Styrene	12.406	104	127004	21.876	ug/l	99
70) Isopropylbenzene	12.688	105	194293	22.724	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	57071	25.350	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	51935m	26.460	ug/l	
73) Bromobenzene	12.976	156	46738	23.777	ug/l	92
74) n-propylbenzene	13.035	91	229401	22.579	ug/l	97
75) 2-Chlorotoluene	13.117	91	137873	21.738	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	162340	23.140	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	17546	17.615	ug/l	95
78) 4-Chlorotoluene	13.217	91	138023	21.764	ug/l	97
79) tert-butylbenzene	13.435	119	140459	23.377	ug/l	98
80) 1,2,4-Trimethylbenzene	13.476	105	169802	23.700	ug/l	98
81) sec-Butylbenzene	13.611	105	201858	23.536	ug/l	97
82) p-Isopropyltoluene	13.723	119	175774	24.492	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	85997	23.144	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	85480	23.284	ug/l	99
85) n-Butylbenzene	14.053	91	152343	23.790	ug/l	98
86) Hexachloroethane	14.329	117	25920	22.088	ug/l	95
87) 1,2-Dichlorobenzene	14.106	146	81968	23.184	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11510	25.153	ug/l	95
89) 1,2,4-Trichlorobenzene	15.841	180	43775	27.165	ug/l	99
90) Hexachlorobutadiene	15.494	225	20068	30.917	ug/l	97
91) Naphthalene	15.635	128	152898	26.503	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	43775	27.165	ug/l	99

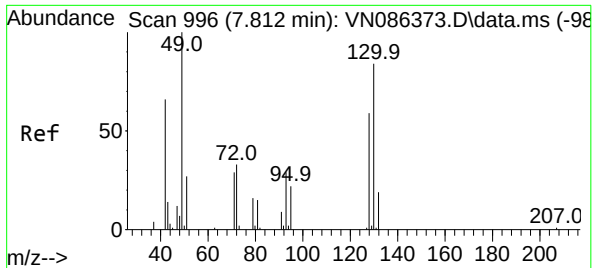
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETTS-PT-BLVD(MAY)MS

Manual Integrations APPROVED

Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025





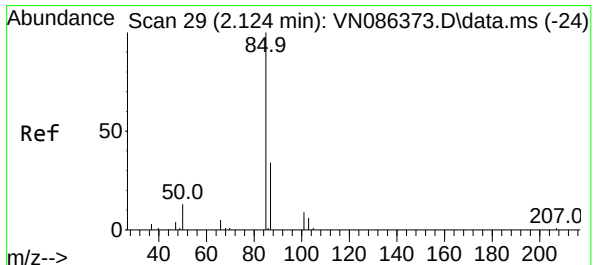
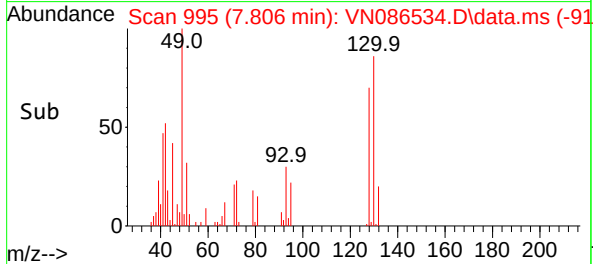
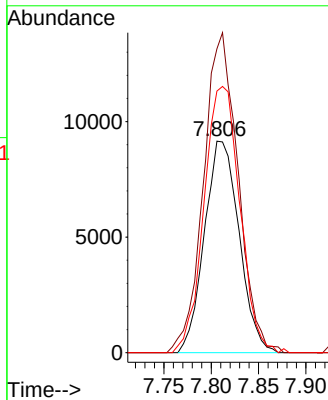
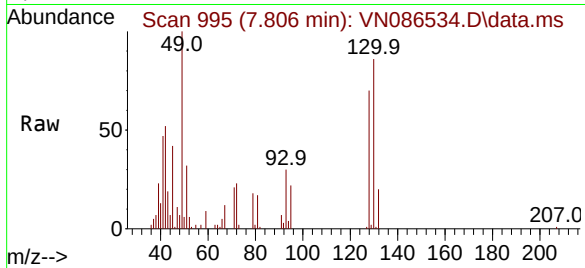
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 996
Delta R.T. -0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS

Tgt Ion:128 Resp: 23320
Ion Ratio Lower Upper
128 100
49 149.6 0.0 433.8
130 130.1 0.0 325.0

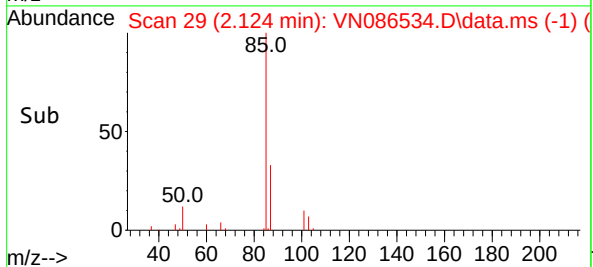
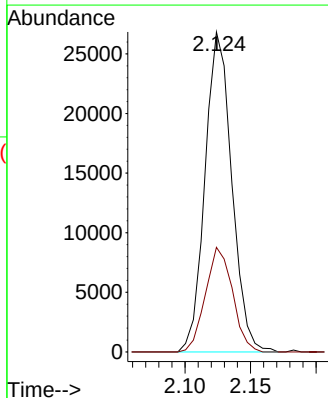
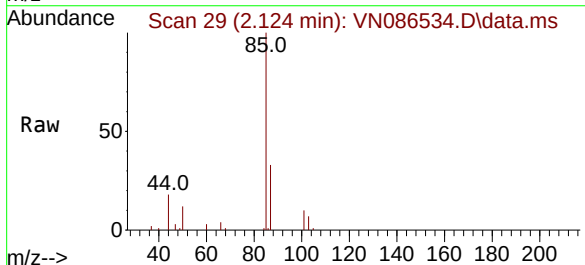
Manual Integrations
APPROVED

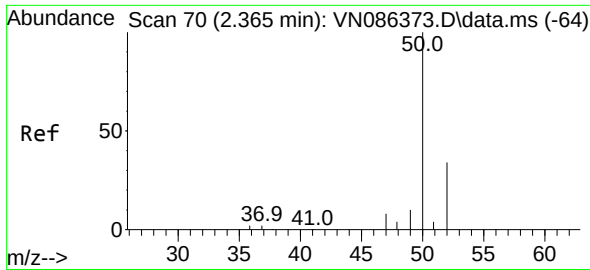
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#2
Dichlorodifluoromethane
Concen: 23.672 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Tgt Ion: 85 Resp: 38111
Ion Ratio Lower Upper
85 100
87 32.7 17.0 50.9





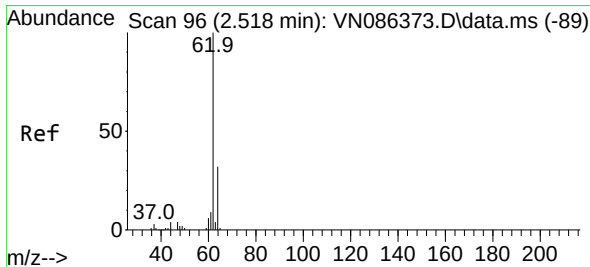
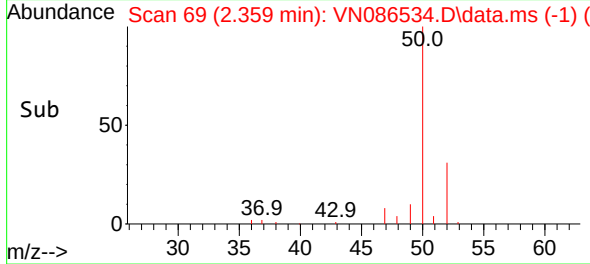
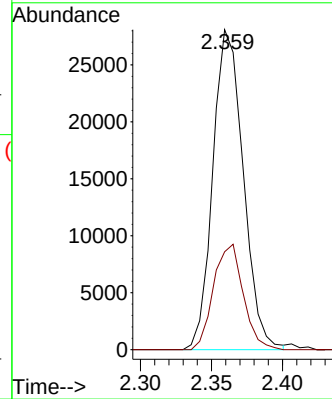
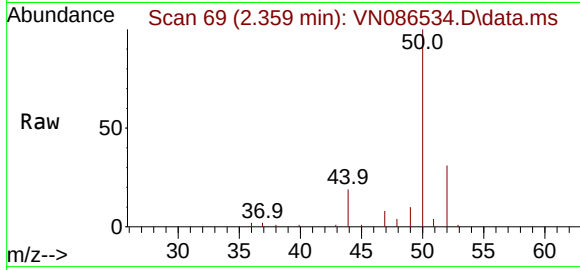
#3
Chloromethane
Concen: 18.320 ug/l
RT: 2.359 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS

Tgt Ion: 50 Resp: 41890
Ion Ratio Lower Upper
50 100
52 30.6 27.3 40.9

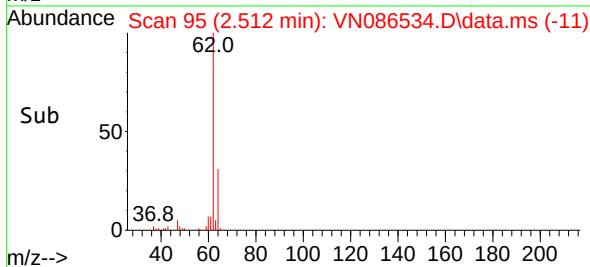
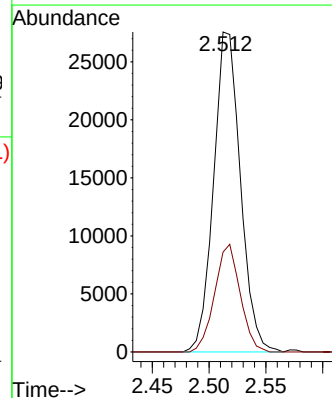
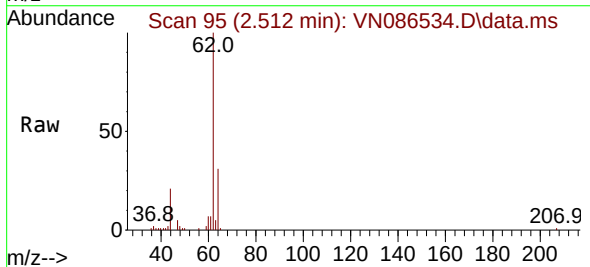
Manual Integrations
APPROVED

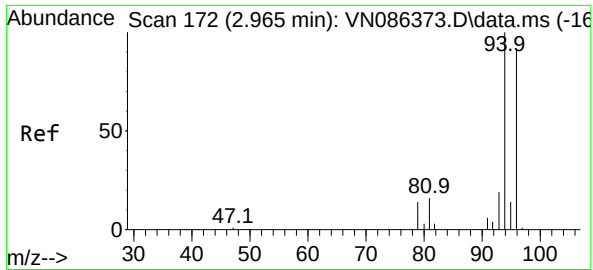
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#4
Vinyl Chloride
Concen: 20.689 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

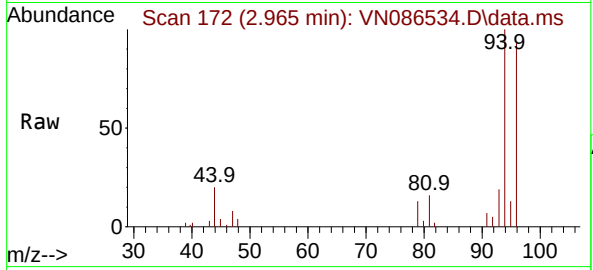
Tgt Ion: 62 Resp: 45316
Ion Ratio Lower Upper
62 100
64 31.2 25.8 38.8





#5
Bromomethane
Concen: 21.404 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

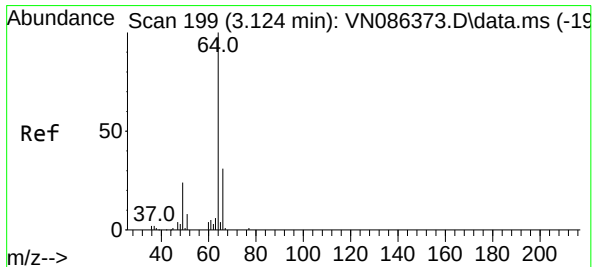
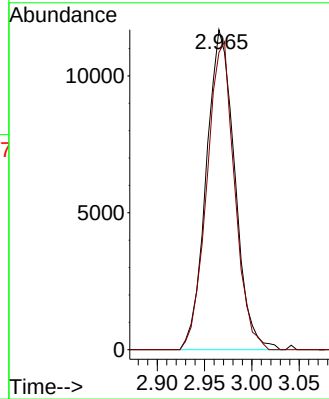
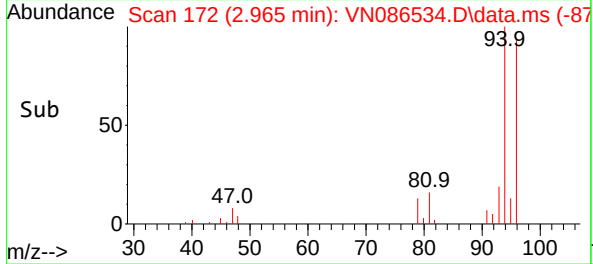
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 94 Resp: 2447
Ion Ratio Lower Upper
94 100
96 92.8 72.4 108.6

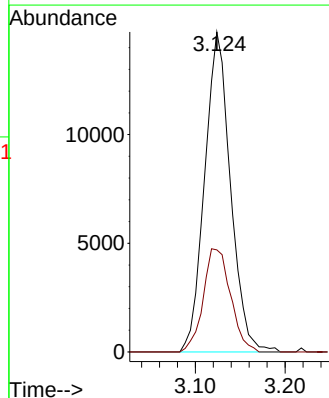
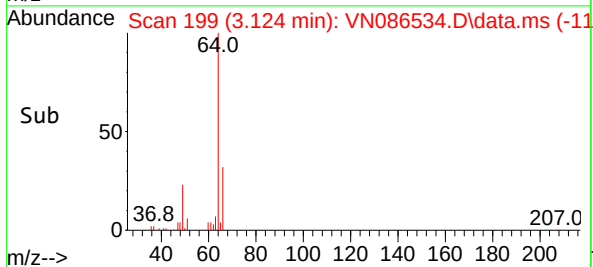
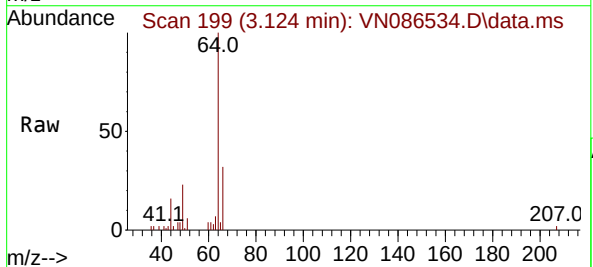
Manual Integrations
APPROVED

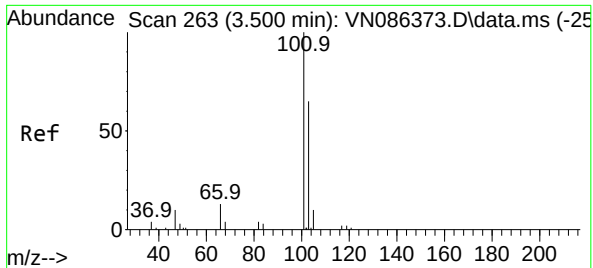
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#6
Chloroethane
Concen: 20.155 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

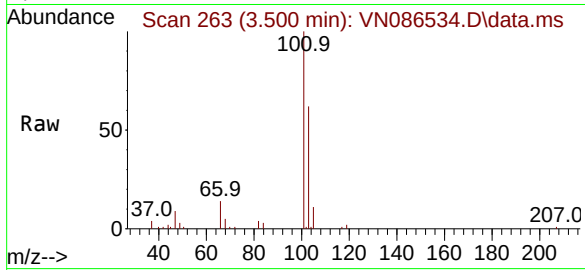
Tgt Ion: 64 Resp: 29431
Ion Ratio Lower Upper
64 100
66 31.9 24.5 36.7





#7
Trichlorofluoromethane
Concen: 24.454 ug/l
RT: 3.500 min Scan# 263
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

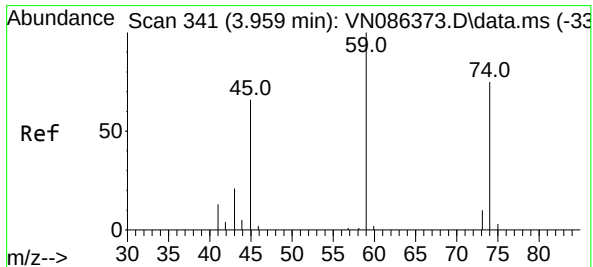
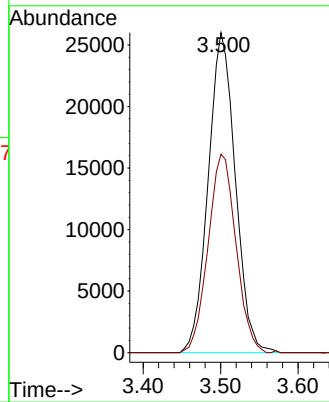
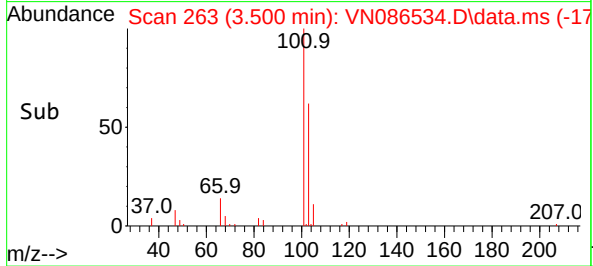
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion:101 Resp: 63220
Ion Ratio Lower Upper
101 100
103 62.1 51.8 77.6

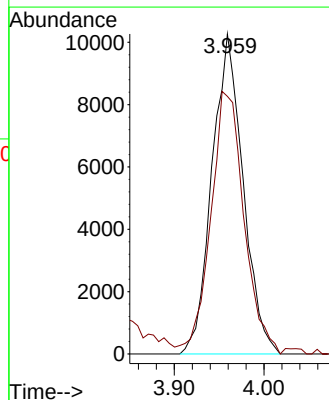
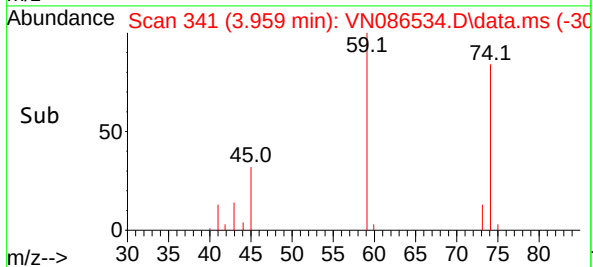
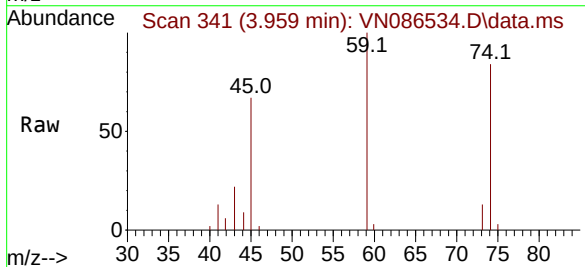
Manual Integrations
APPROVED

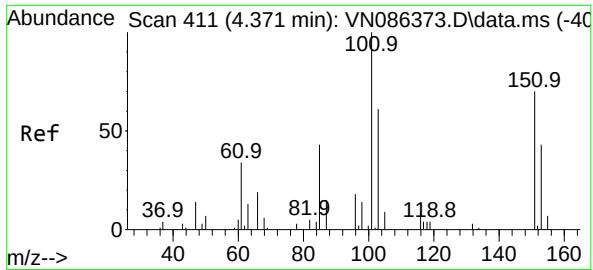
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#8
Diethyl Ether
Concen: 22.643 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

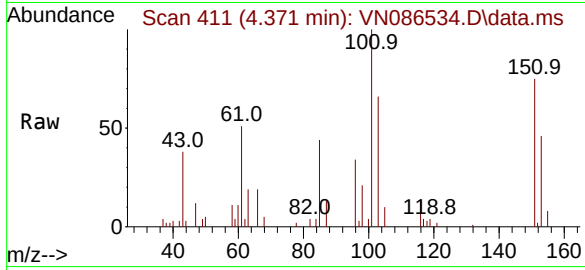
Tgt Ion: 74 Resp: 24712
Ion Ratio Lower Upper
74 100
45 87.9 18.5 166.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 24.489 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

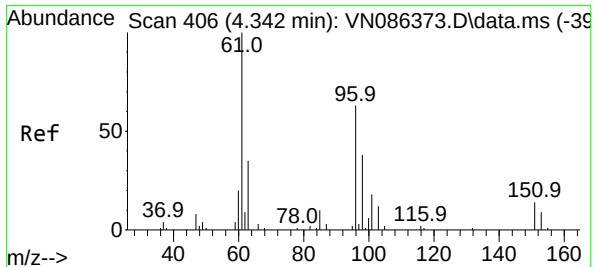
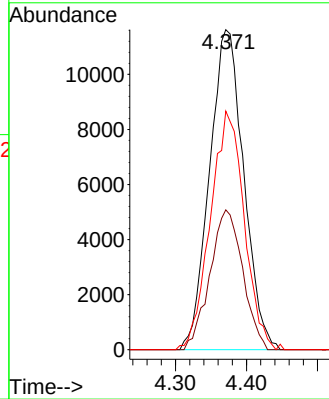
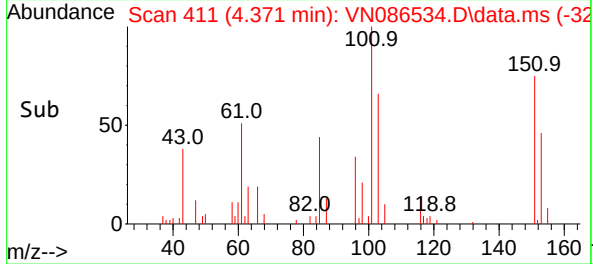
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



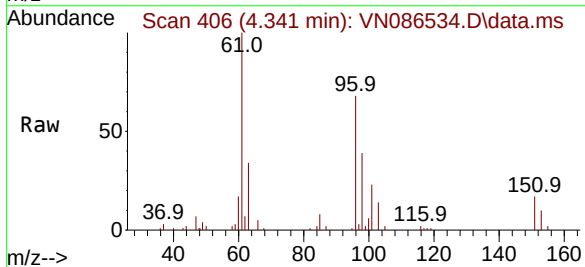
Tgt Ion: 101 Resp: 38924
Ion Ratio Lower Upper
101 100
85 41.8 0.0 84.4
151 73.5 0.0 145.8

Manual Integrations
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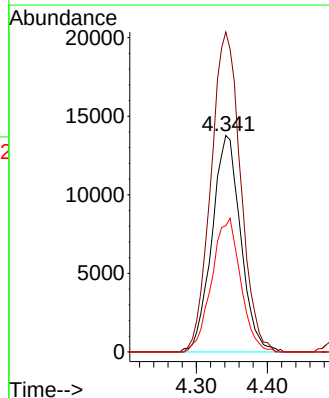
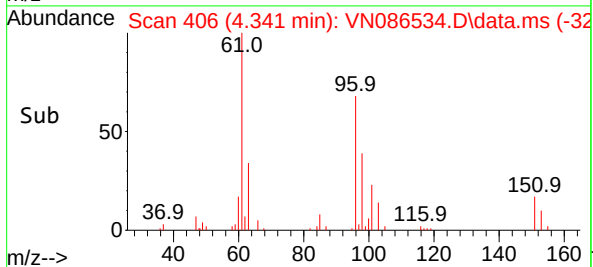
Reviewed By : John Carlone 05/08/2025
Supervised By : Mahesh Dadoda 05/08/2025

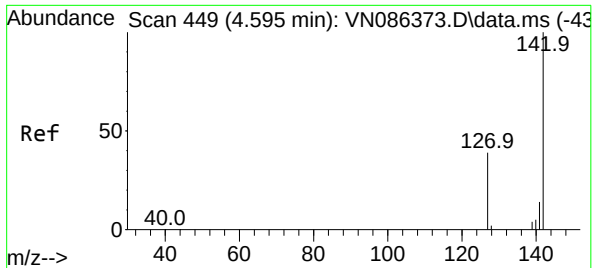


#10
1,1-Dichloroethene
Concen: 23.790 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45



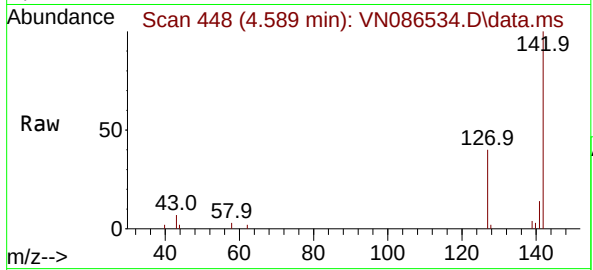
Tgt Ion: 96 Resp: 38703
Ion Ratio Lower Upper
96 100
61 147.8 126.2 189.4
98 58.4 48.5 72.7





#11
Methyl Iodide
Concen: 20.563 ug/l
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

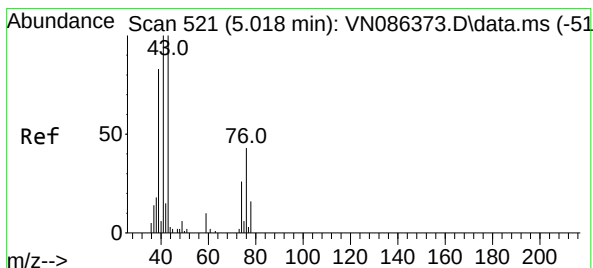
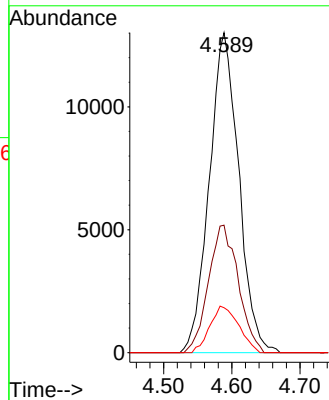
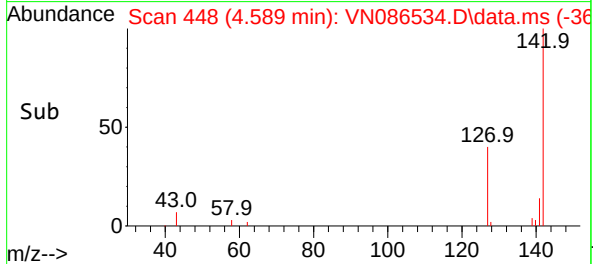
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion:142 Resp: 3914
Ion Ratio Lower Upper
142 100
127 39.8 19.3 57.9
141 14.0 7.1 21.3

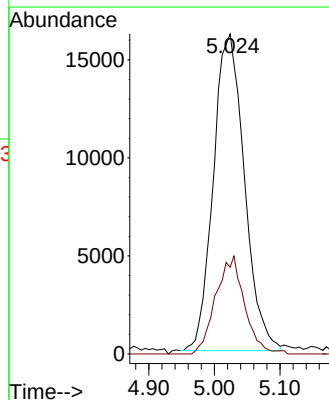
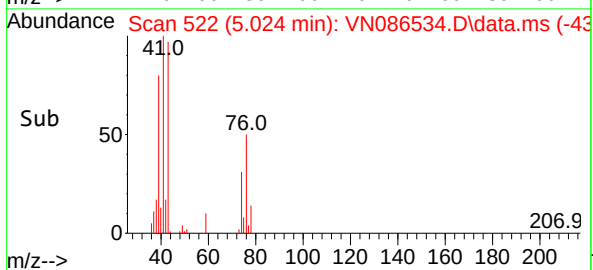
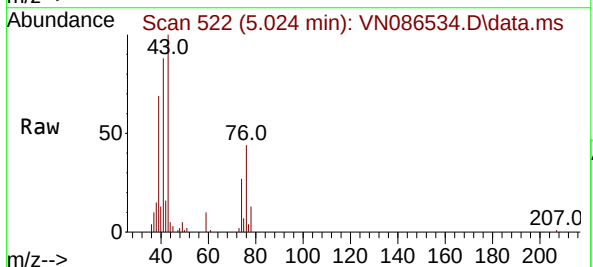
Manual Integrations
APPROVED

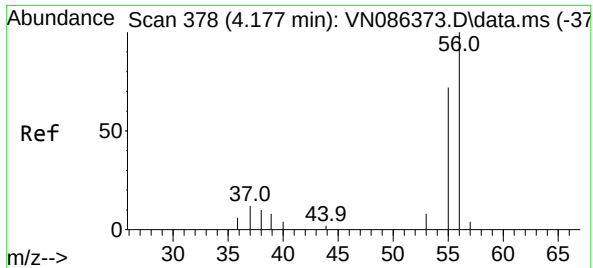
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#12
Methyl Acetate
Concen: 23.029 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

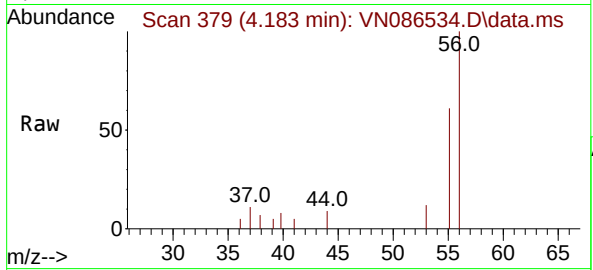
Tgt Ion: 43 Resp: 53104
Ion Ratio Lower Upper
43 100
74 27.1 20.8 31.2





#13
Acrolein
Concen: 90.015 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

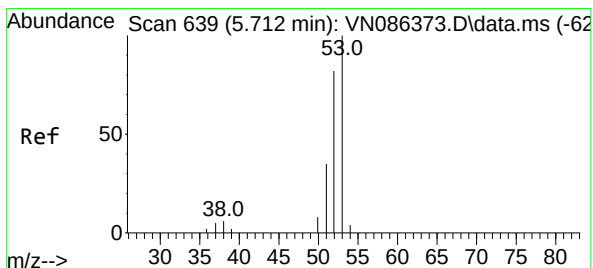
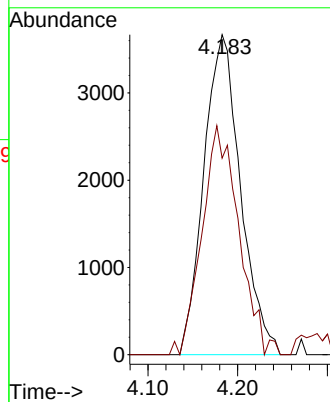
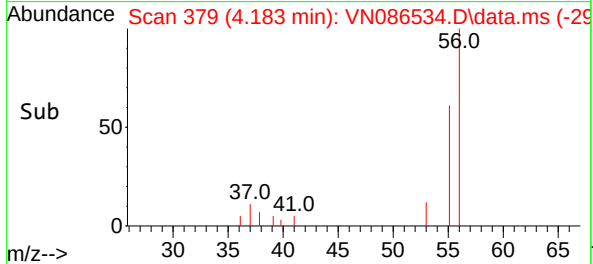
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 56 Resp: 1042
Ion Ratio Lower Upper
56 100
55 70.1 56.1 84.1

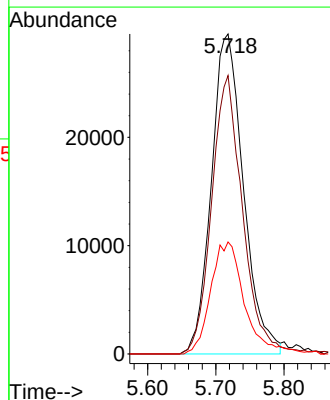
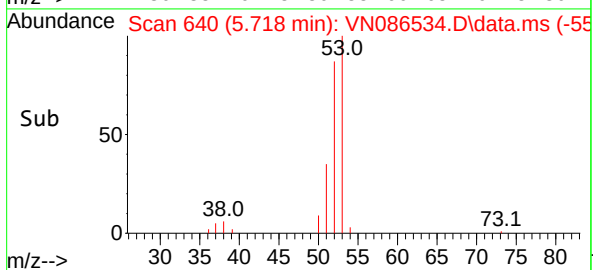
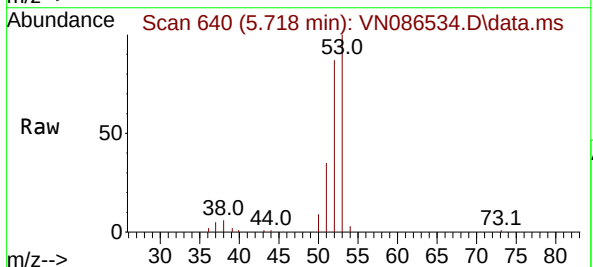
Manual Integrations
APPROVED

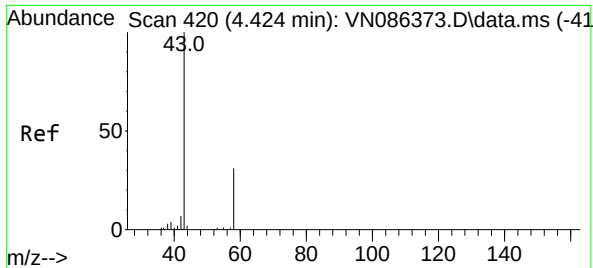
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#14
Acrylonitrile
Concen: 112.759 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Tgt Ion: 53 Resp: 96772
Ion Ratio Lower Upper
53 100
52 83.9 41.2 123.6
51 36.8 17.6 52.8





#15

Acetone

Concen: 1029.187 ug/l

RT: 4.418 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MS

Tgt Ion: 58 Resp: 24338

Ion Ratio Lower Upper

58 100

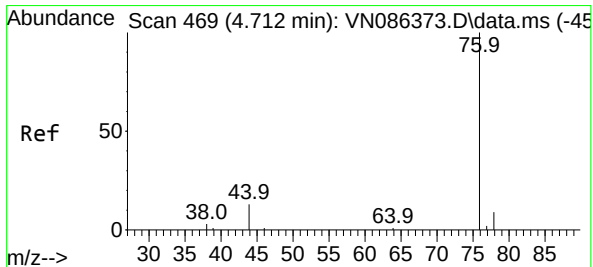
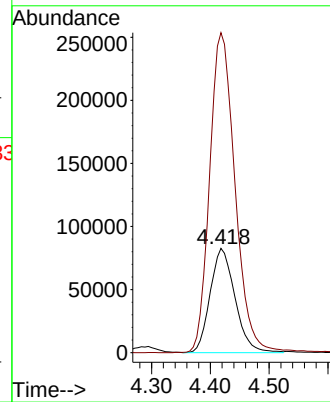
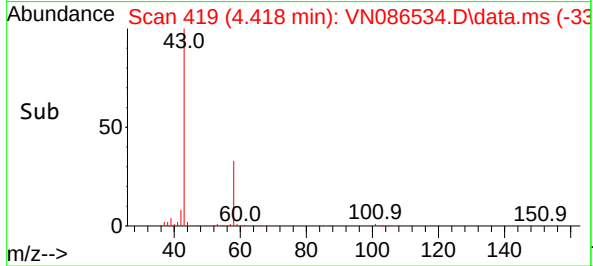
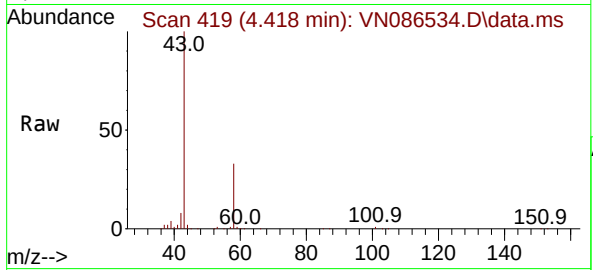
43 306.5 255.1 382.7

Manual Integrations

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Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#16

Carbon Disulfide

Concen: 31.826 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.006 min

Lab File: VN086534.D

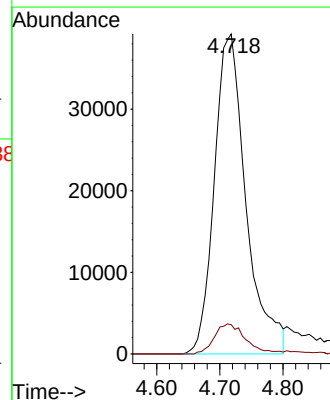
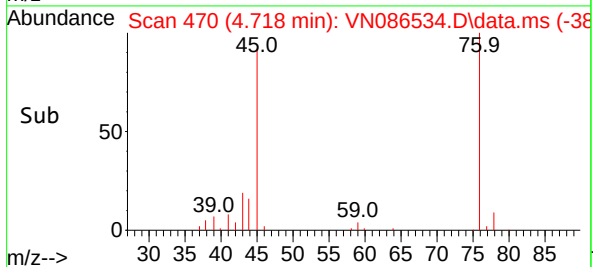
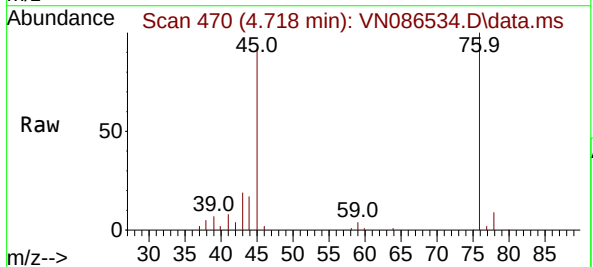
Acq: 07 May 2025 14:45

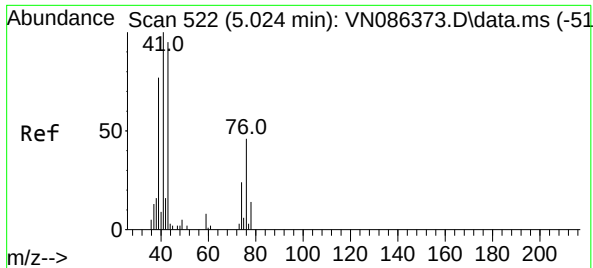
Tgt Ion: 76 Resp: 136437

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





#17

Allyl chloride

Concen: 18.664 ug/l

RT: 5.018 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MS

Tgt Ion: 41 Resp: 48550

Ion Ratio Lower Upper

41 100

39 77.2 36.7 110.1

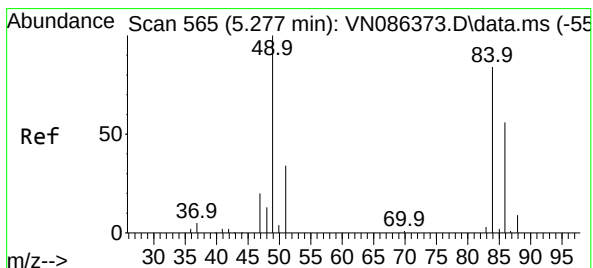
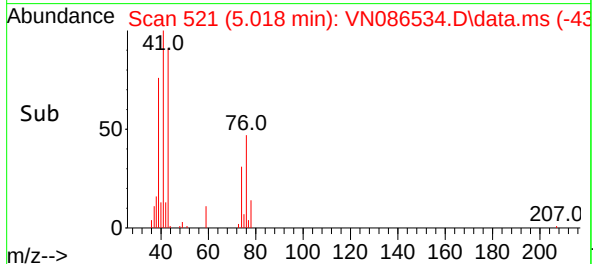
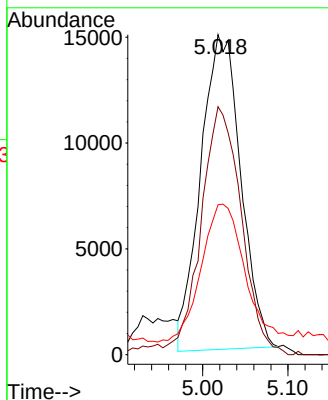
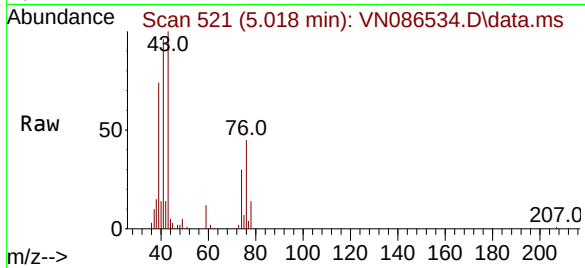
76 41.3 21.8 65.4

Manual Integrations

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Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#18

Methylene Chloride

Concen: 23.711 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

Tgt Ion: 84 Resp: 43929

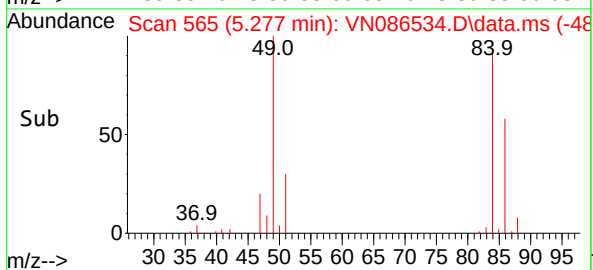
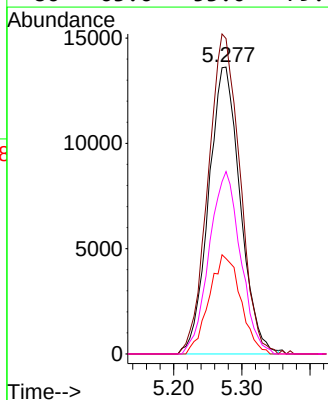
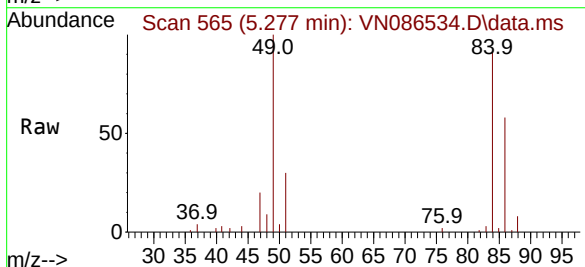
Ion Ratio Lower Upper

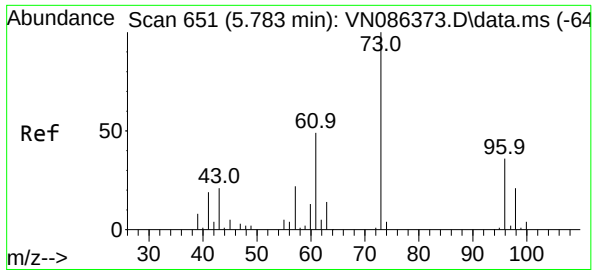
84 100

49 109.9 95.4 143.0

51 33.2 32.8 49.2

86 63.6 53.0 79.4





#19

trans-1,2-Dichloroethene

Concen: 22.767 ug/l

RT: 5.788 min Scan# 651

Delta R.T. 0.006 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MS

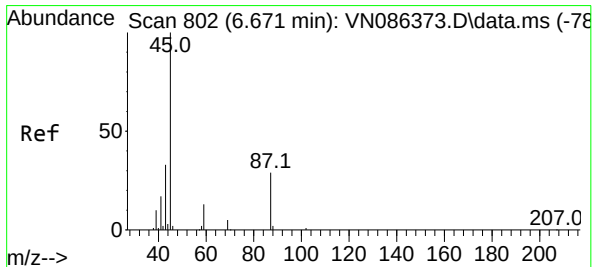
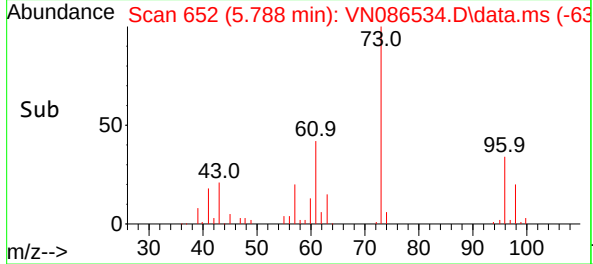
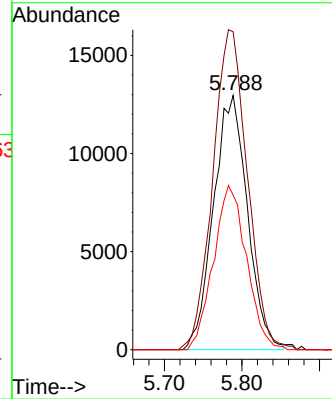
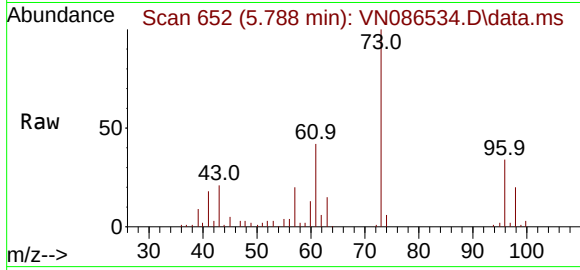
Tgt Ion:	96	Resp:	39479
Ion Ratio	Lower	Upper	
96	100		
61	123.5	107.3	160.9
98	60.8	46.7	70.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#20

Diisopropyl ether

Concen: 20.335 ug/l

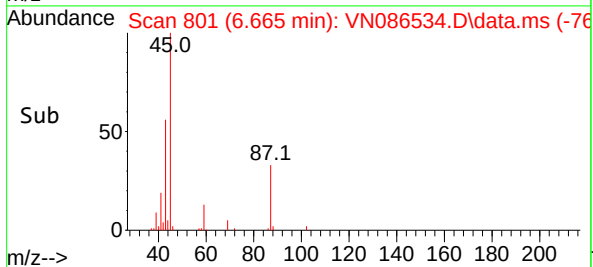
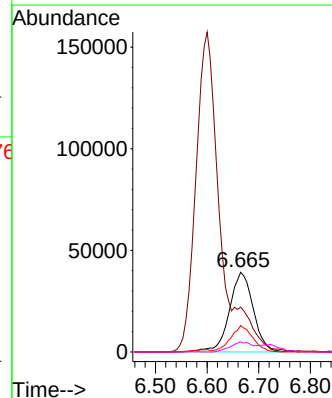
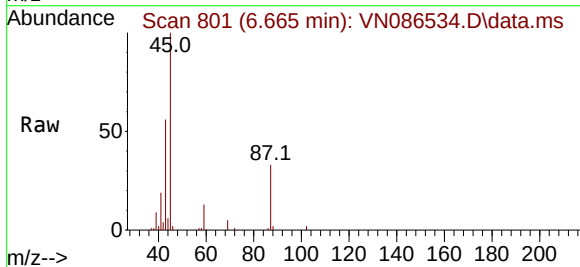
RT: 6.665 min Scan# 801

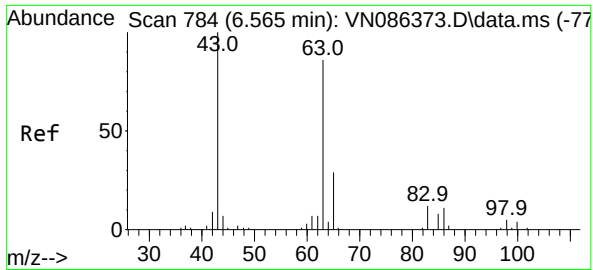
Delta R.T. -0.006 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

Tgt Ion:	45	Resp:	125778
Ion Ratio	Lower	Upper	
45	100		
43	53.7	38.8	58.2
87	33.2	23.5	35.3
59	12.6	10.0	15.0





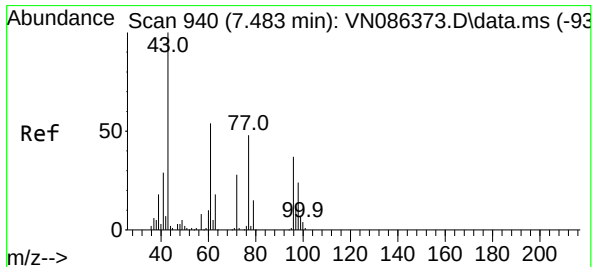
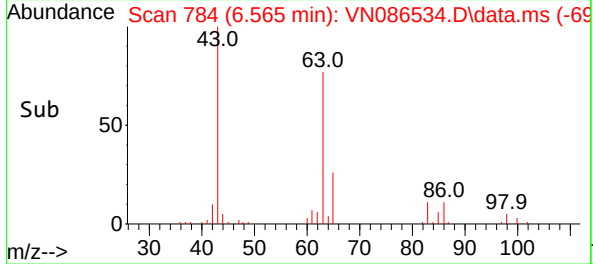
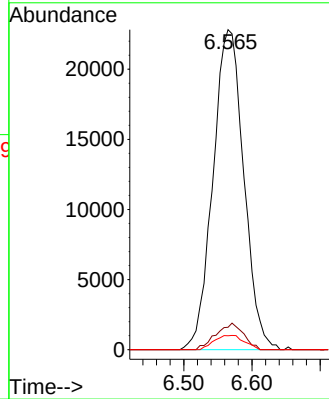
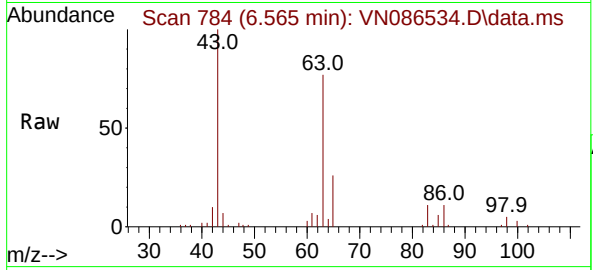
#21
1,1-Dichloroethane
Concen: 21.209 ug/l
RT: 6.565 min Scan# 71800
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS

Tgt Ion: 63 Resp: 71800
Ion Ratio Lower Upper
63 100
98 7.0 3.0 9.2
100 4.4 2.3 6.8

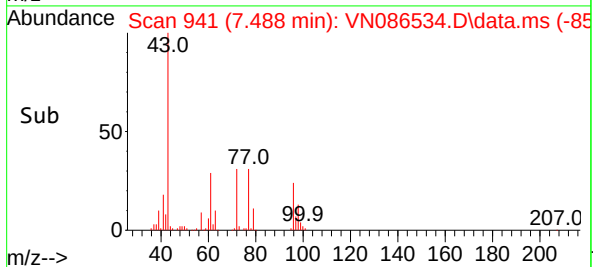
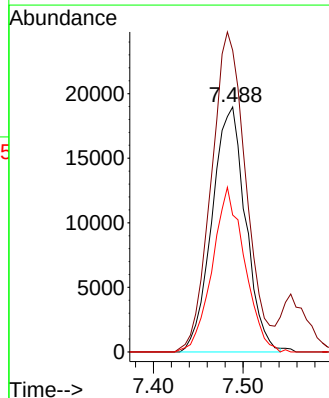
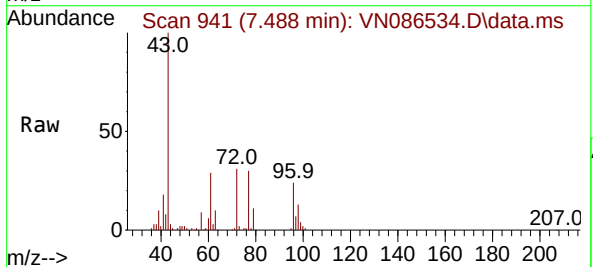
Manual Integrations
APPROVED

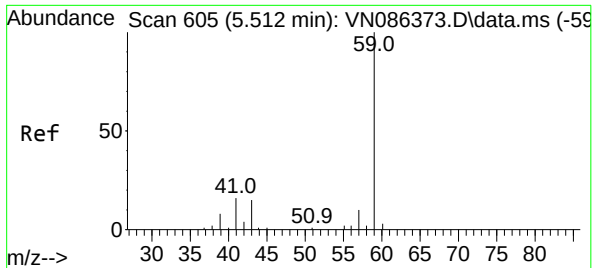
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#22
cis-1,2-Dichloroethene
Concen: 22.744 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

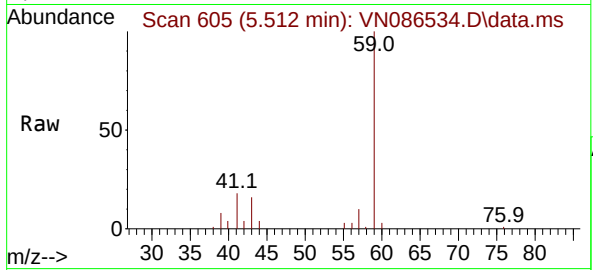
Tgt Ion: 96 Resp: 49314
Ion Ratio Lower Upper
96 100
61 135.1 120.6 181.0
98 64.6 51.8 77.6





#23
tert-Butyl Alcohol
Concen: 146.956 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

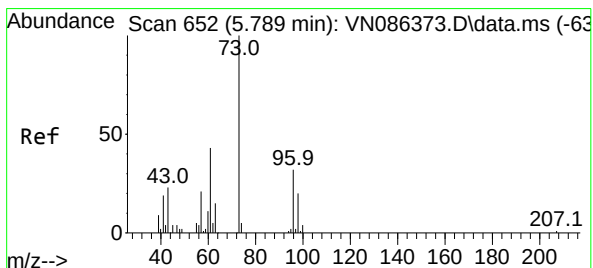
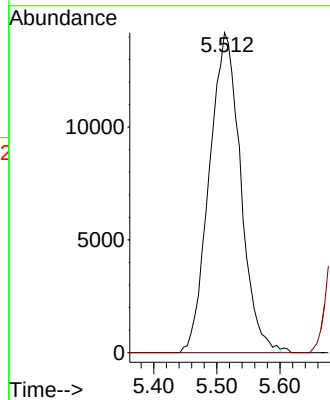
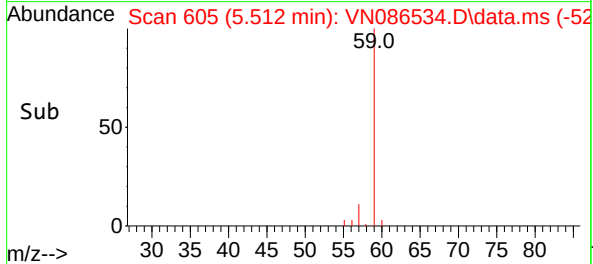
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 59 Resp: 4885
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

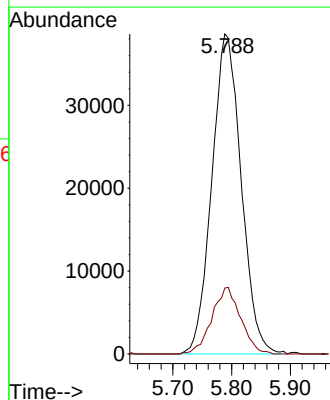
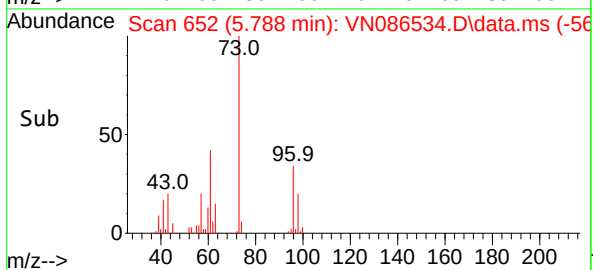
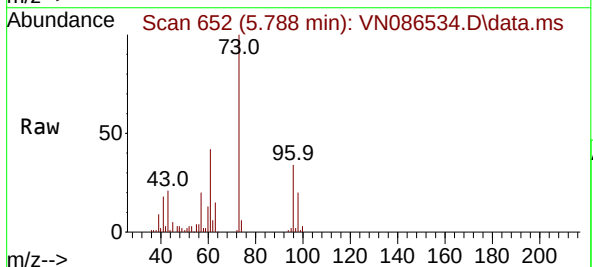
Manual Integrations
APPROVED

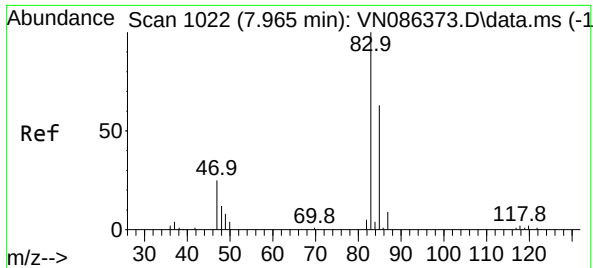
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#24
Methyl tert-Butyl Ether
Concen: 22.242 ug/l
RT: 5.788 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Tgt Ion: 73 Resp: 133691
Ion Ratio Lower Upper
73 100
43 20.4 17.1 25.7





#25

Chloroform

Concen: 23.968 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MS

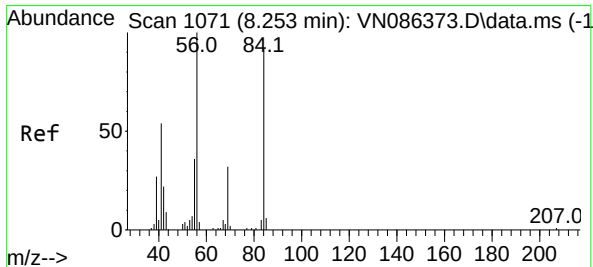
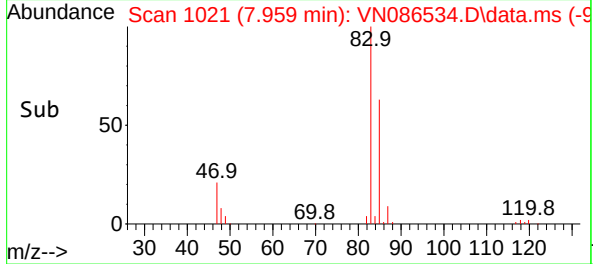
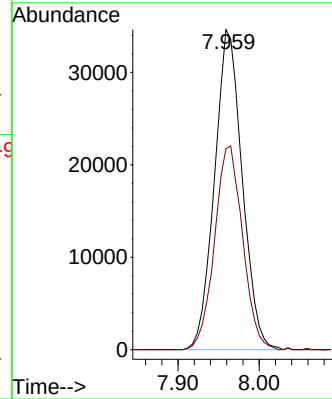
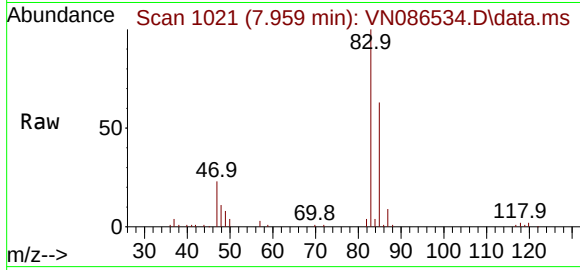
Tgt Ion:	83	Resp:	8212
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.2	75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#26

Cyclohexane

Concen: 20.838 ug/l

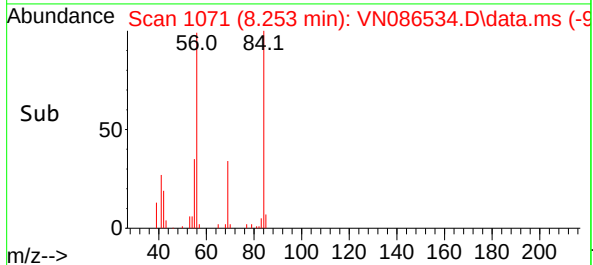
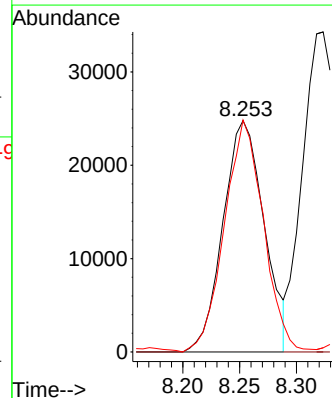
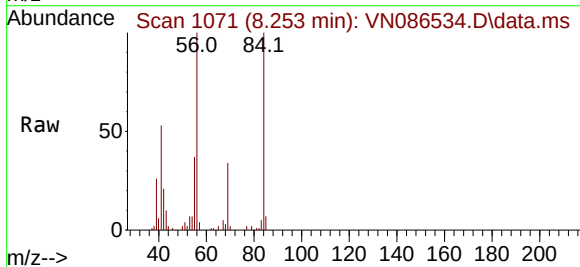
RT: 8.253 min Scan# 1071

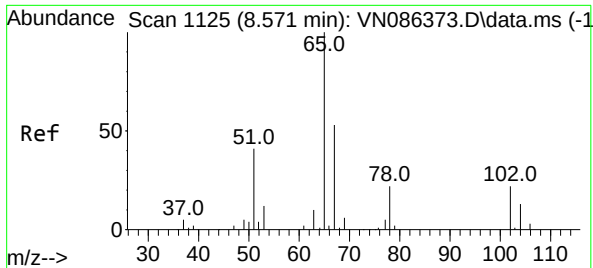
Delta R.T. -0.000 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

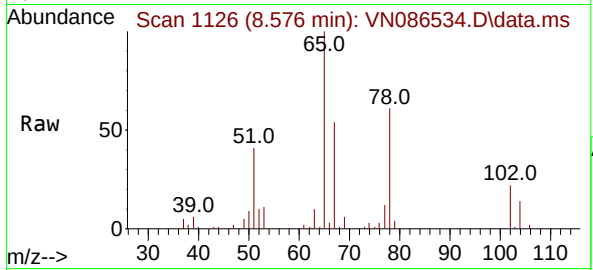
Tgt Ion:	56	Resp:	62294
Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	95.3	71.5	107.3





#27
1,2-Dichloroethane-d4
Concen: 28.608 ug/l
RT: 8.576 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

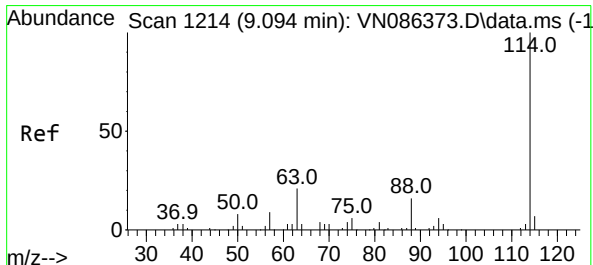
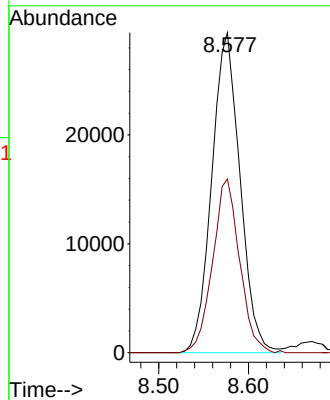
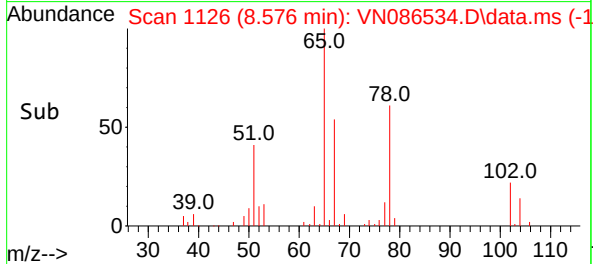
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 65 Resp: 64320
Ion Ratio Lower Upper
65 100
67 51.7 42.5 63.7

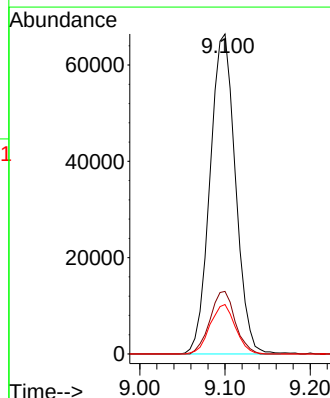
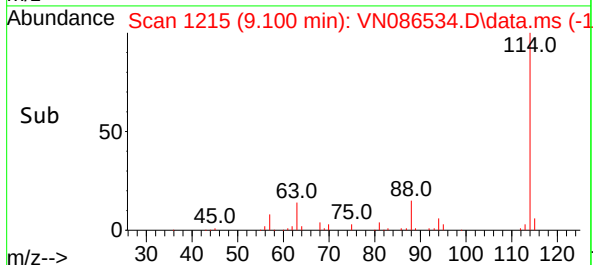
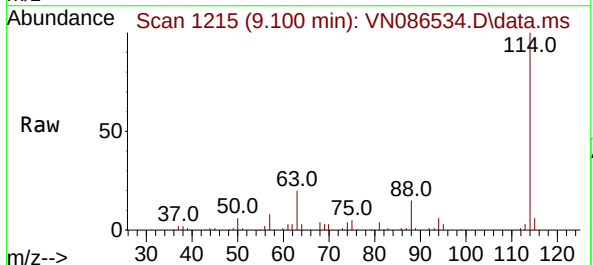
Manual Integrations
APPROVED

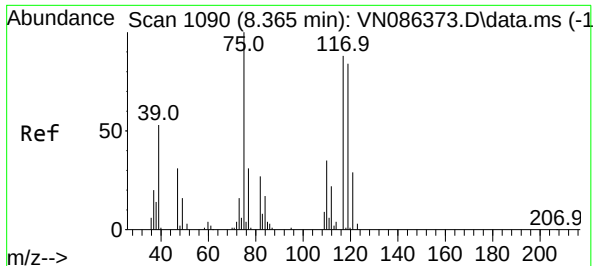
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Tgt Ion:114 Resp: 137659
Ion Ratio Lower Upper
114 100
63 19.3 16.7 25.1
88 15.4 12.6 19.0





#29

1,1-Dichloropropene

Concen: 21.906 ug/l

RT: 8.371 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MS

Tgt Ion: 75 Resp: 5316

Ion Ratio Lower Upper

75 100

110 35.8 0.0 68.0

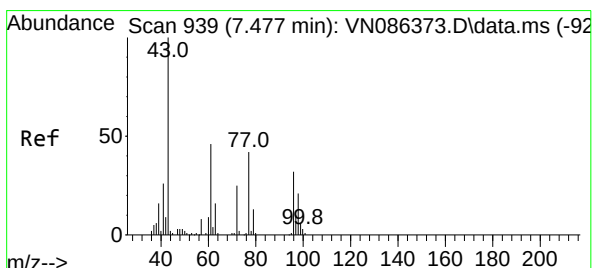
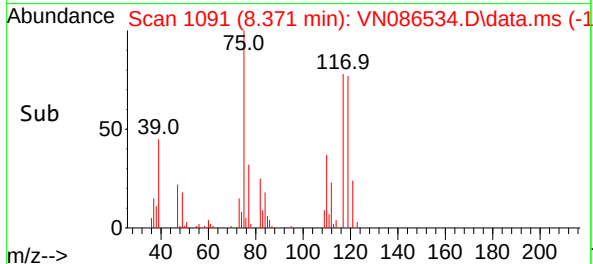
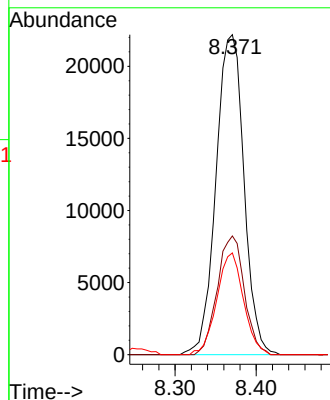
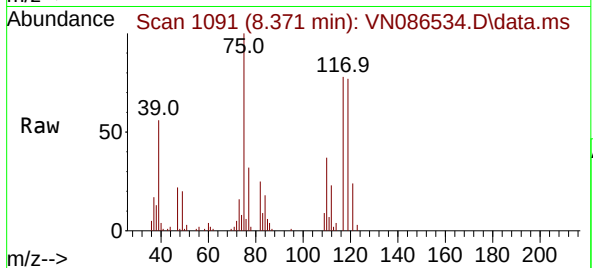
77 30.4 0.0 61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#30

2-Butanone

Concen: 216.983 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.000 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

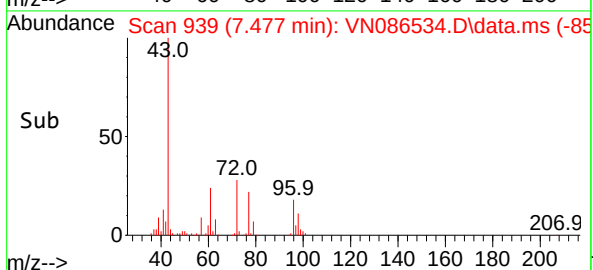
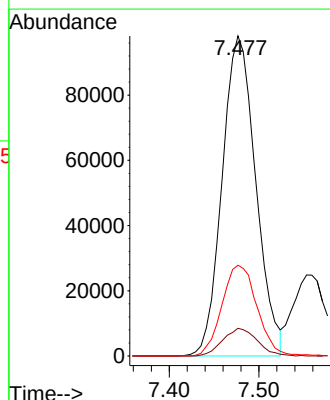
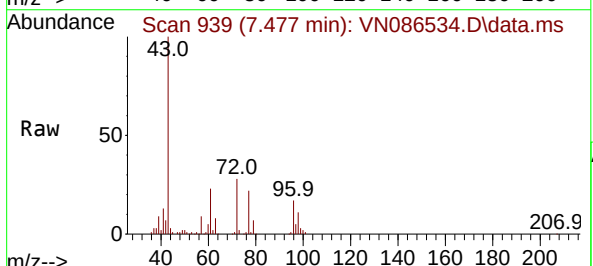
Tgt Ion: 43 Resp: 255586

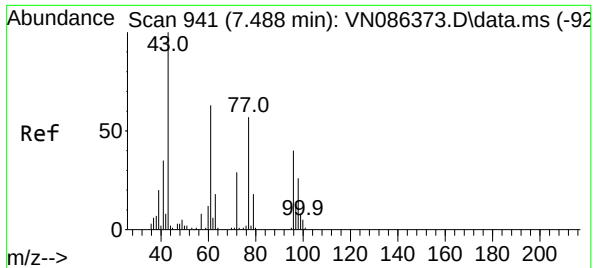
Ion Ratio Lower Upper

43 100

57 8.8 6.6 10.0

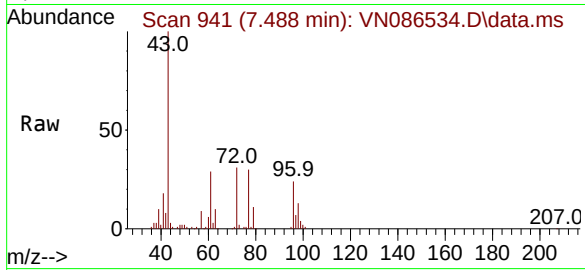
72 29.6 22.2 33.4





#31
2,2-Dichloropropane
Concen: 21.937 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

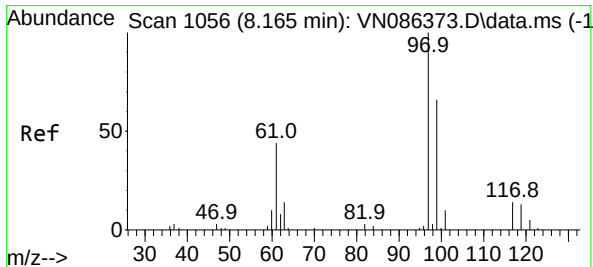
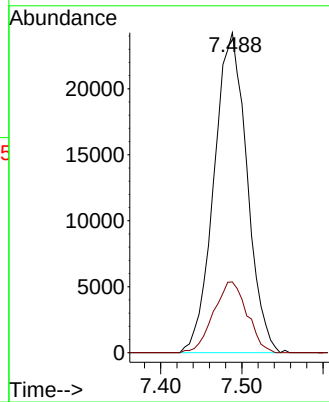
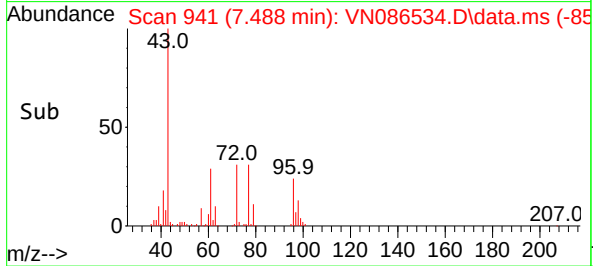
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



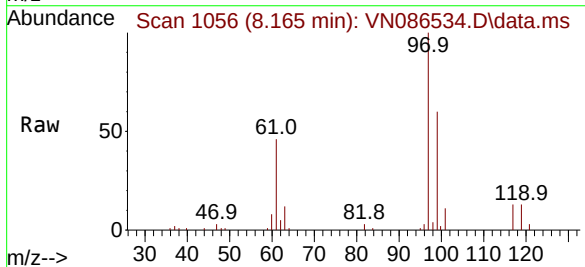
Tgt Ion: 77 Resp: 6843
Ion Ratio Lower Upper
77 100
97 22.5 18.2 27.2

Manual Integrations
APPROVED

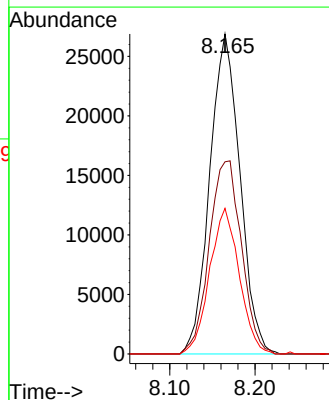
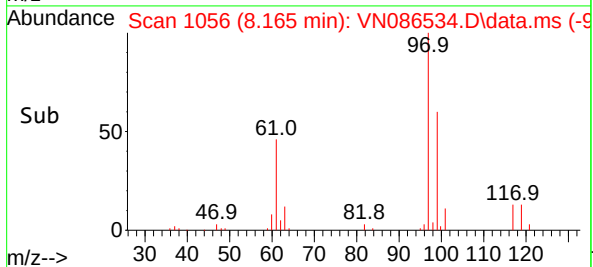
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

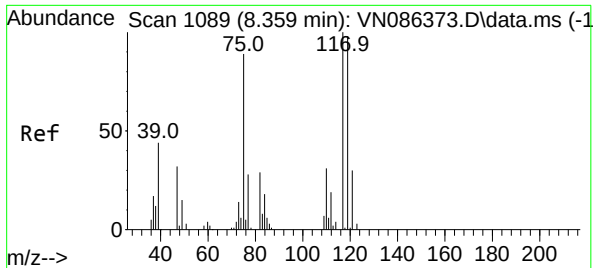


#32
1,1,1-Trichloroethane
Concen: 22.854 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45



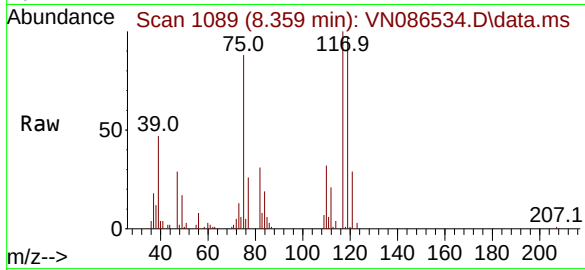
Tgt Ion: 97 Resp: 66276
Ion Ratio Lower Upper
97 100
99 64.4 52.6 79.0
61 44.6 36.4 54.6





#33
Carbon Tetrachloride
Concen: 23.573 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

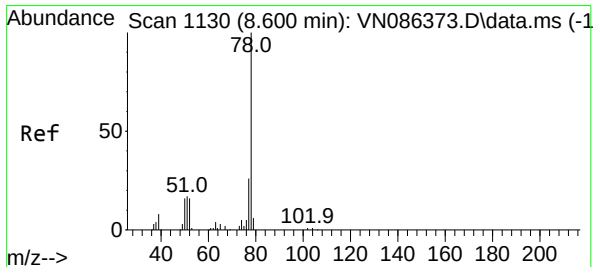
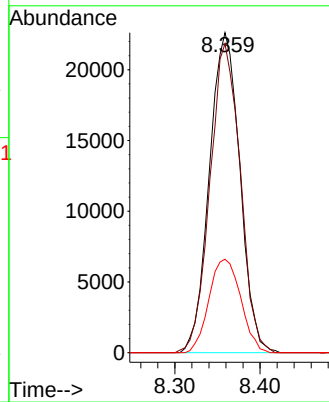
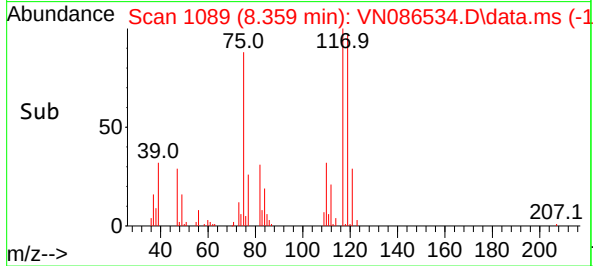
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 117 Resp: 5627
Ion Ratio Lower Upper
117 100
119 96.5 78.6 117.8
121 29.2 24.0 36.0

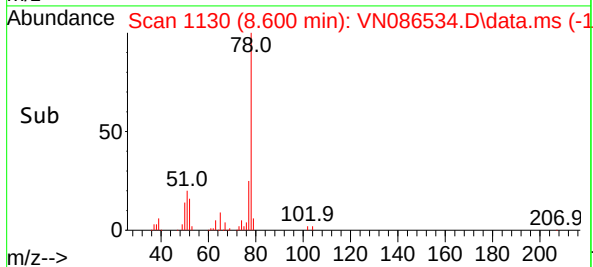
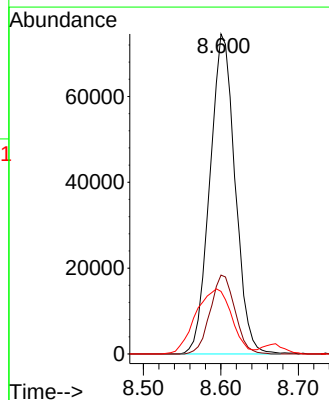
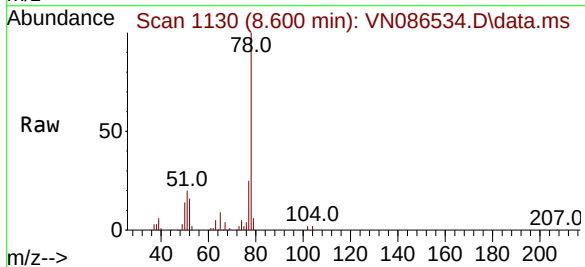
Manual Integrations
APPROVED

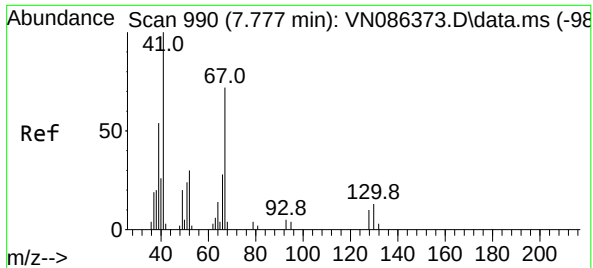
Reviewed By : John Carlone 05/08/2025
Supervised By : Mahesh Dadoda 05/08/2025



#34
Benzene
Concen: 21.821 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Tgt Ion: 78 Resp: 168429
Ion Ratio Lower Upper
78 100
77 24.7 20.8 31.2
51 17.5 14.0 21.0





#35

Methacrylonitrile

Concen: 28.498 ug/l

RT: 7.777 min Scan# 990

Delta R.T. -0.000 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MS

Tgt Ion: 41 Resp: 3829

Ion Ratio Lower Upper

41 100

39 54.7 27.0 80.8

67 55.5 35.8 107.3

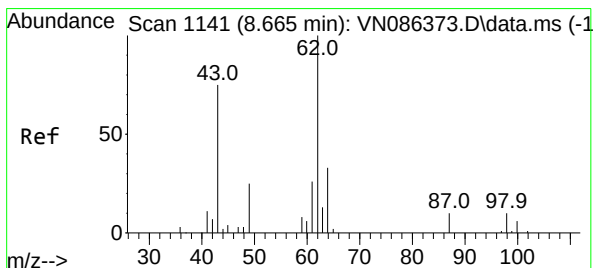
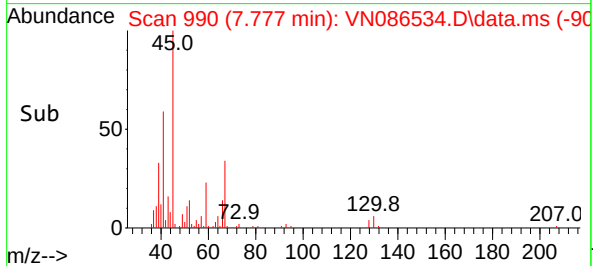
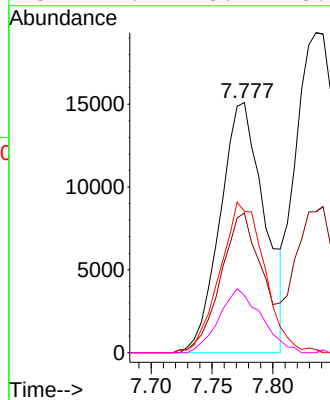
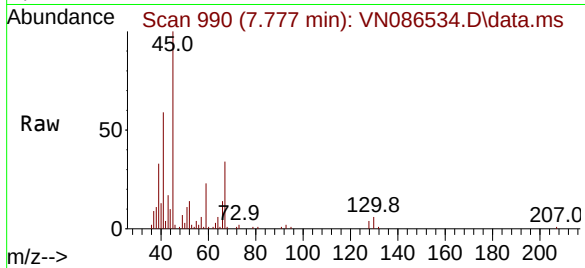
52 22.9 15.2 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#36

1,2-Dichloroethane

Concen: 22.536 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN086534.D

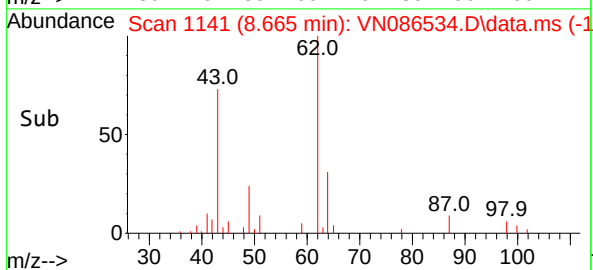
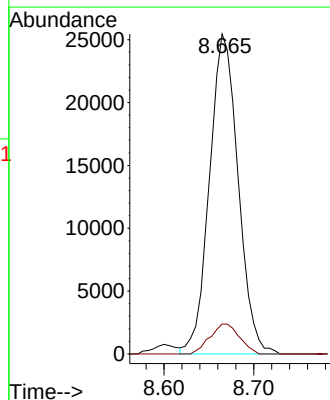
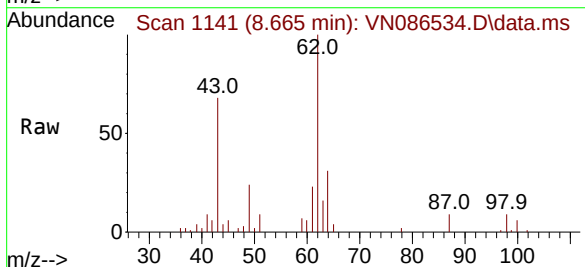
Acq: 07 May 2025 14:45

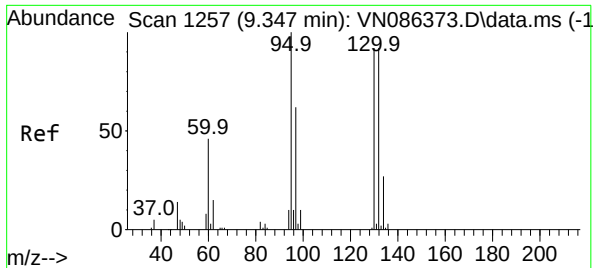
Tgt Ion: 62 Resp: 56477

Ion Ratio Lower Upper

62 100

98 9.6 7.6 11.4





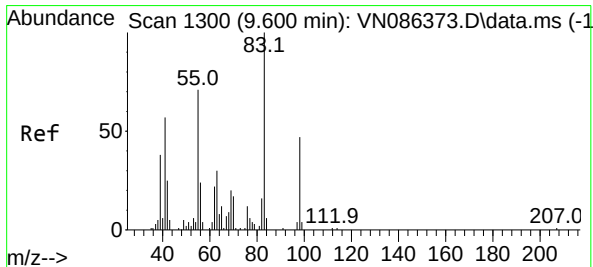
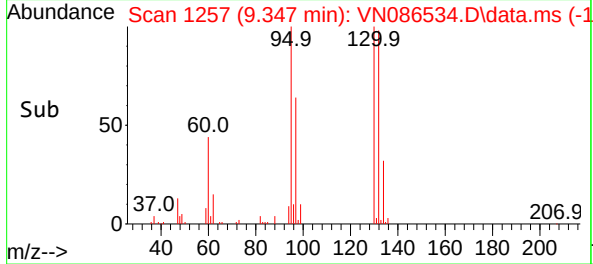
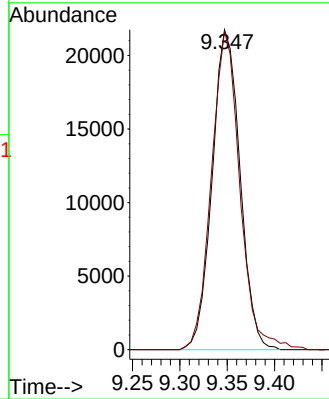
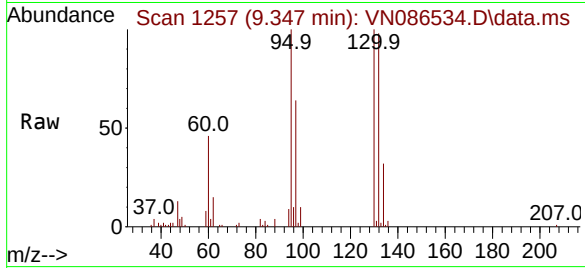
#37
Trichloroethene
Concen: 22.985 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS

Tgt Ion:130 Resp: 44414
Ion Ratio Lower Upper
130 100
95 99.5 86.6 130.0

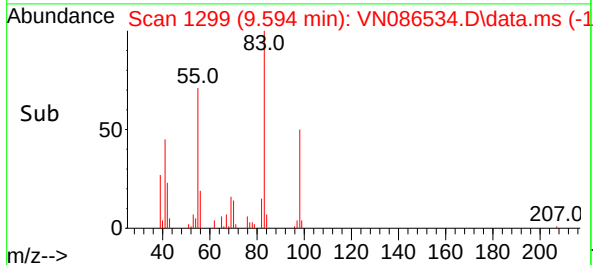
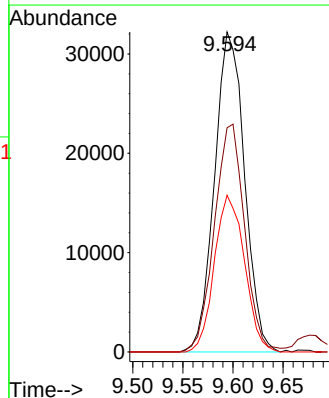
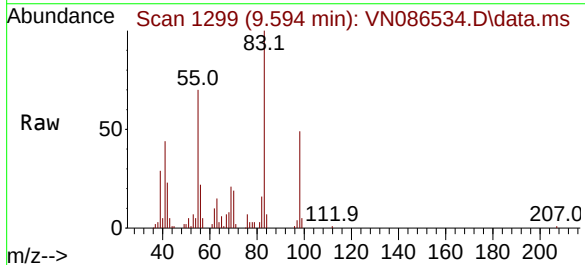
Manual Integrations
APPROVED

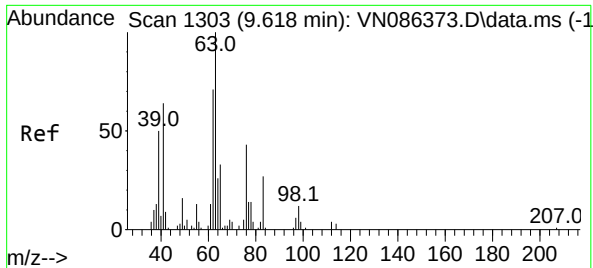
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#38
Methylcyclohexane
Concen: 23.920 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Tgt Ion: 83 Resp: 67043
Ion Ratio Lower Upper
83 100
55 71.7 37.3 111.9
98 49.2 23.8 71.5





#39

1,2-Dichloropropane

Concen: 21.093 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MS

Tgt Ion: 63 Resp: 4022

Ion Ratio Lower Upper

63 100

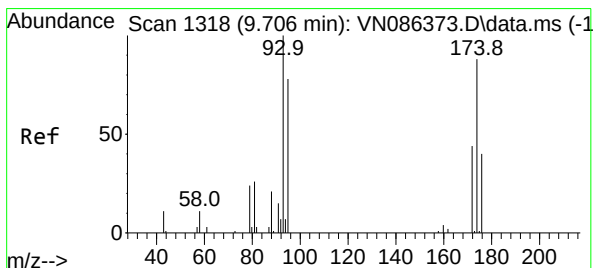
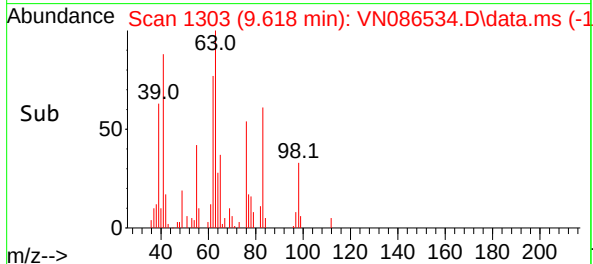
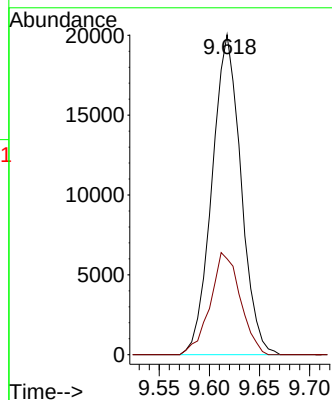
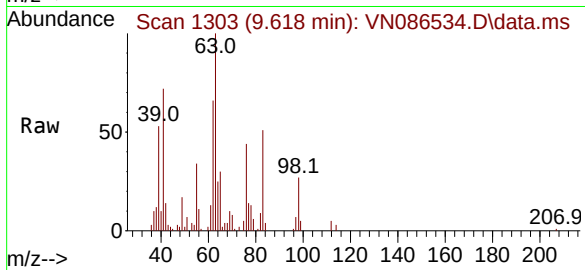
65 29.9 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#40

Dibromomethane

Concen: 22.262 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

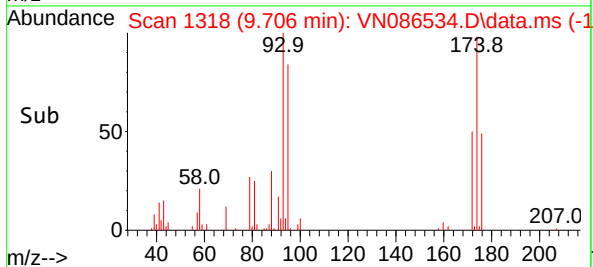
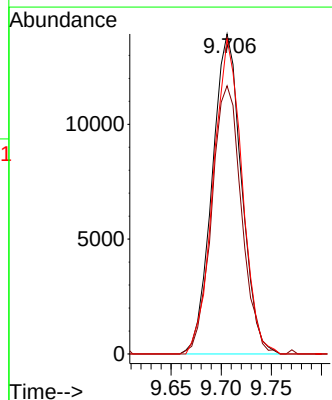
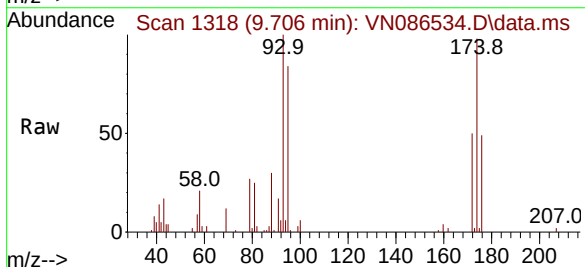
Tgt Ion: 93 Resp: 28389

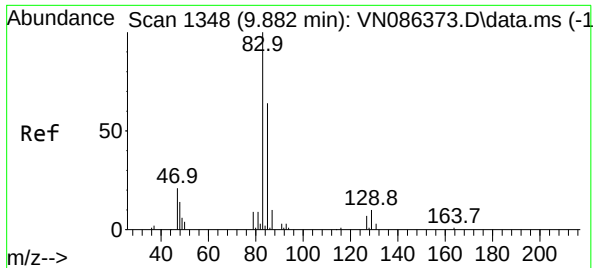
Ion Ratio Lower Upper

93 100

95 84.9 0.0 159.2

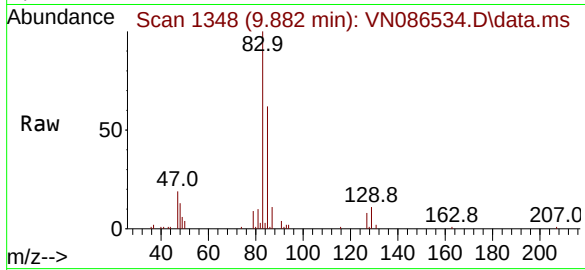
174 96.6 0.0 171.4





#41
Bromodichloromethane
Concen: 22.051 ug/l
RT: 9.882 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

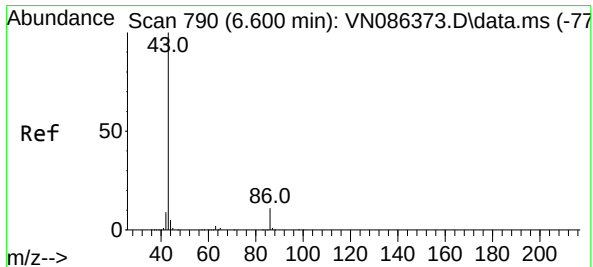
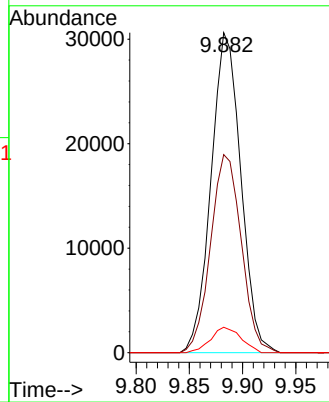
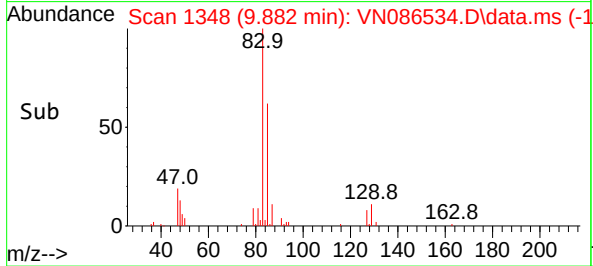
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 83 Resp: 59508
Ion Ratio Lower Upper
83 100
85 61.9 51.1 76.7
127 7.9 5.9 8.9

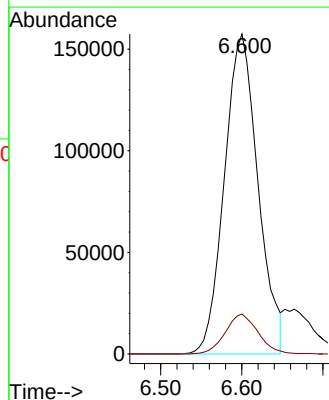
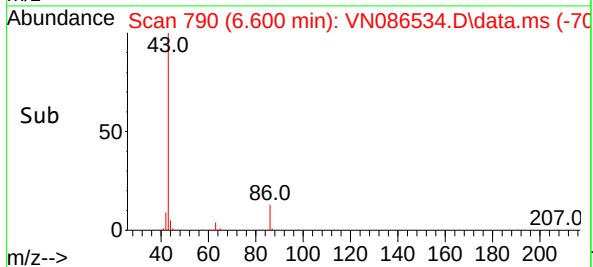
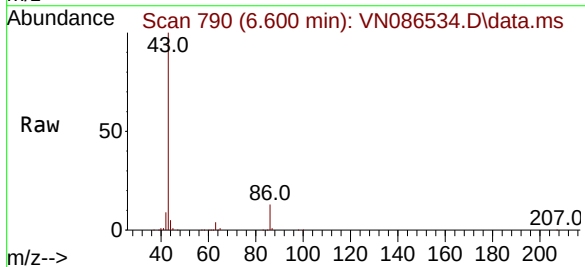
Manual Integrations
APPROVED

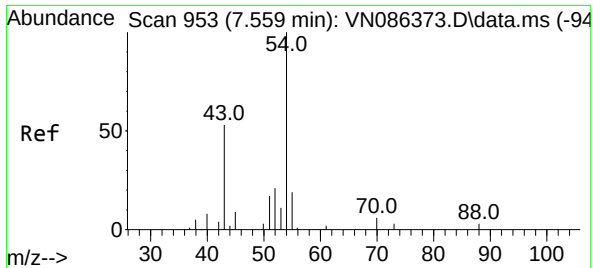
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#42
Vinyl Acetate
Concen: 111.290 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Tgt Ion: 43 Resp: 454105
Ion Ratio Lower Upper
43 100
86 12.1 8.9 13.3





#43

Ethyl Acetate

Concen: 28.204 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MS

Tgt Ion: 43 Resp: 65744

Ion Ratio Lower Upper

43 100

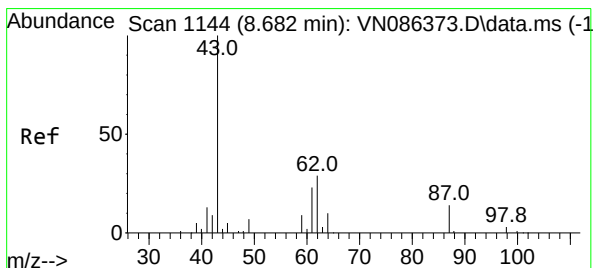
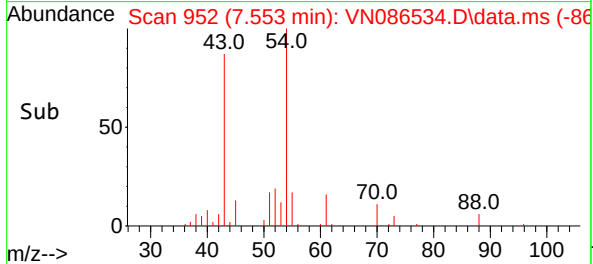
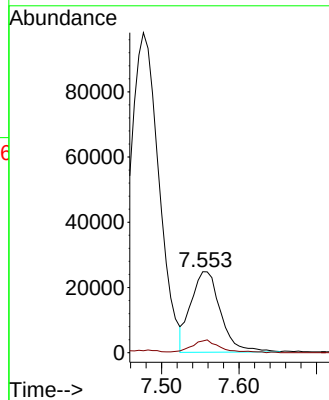
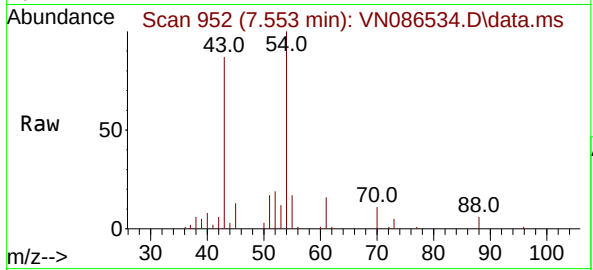
45 14.3 11.4 17.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#44

Isopropyl Acetate

Concen: 22.964 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VN086534.D

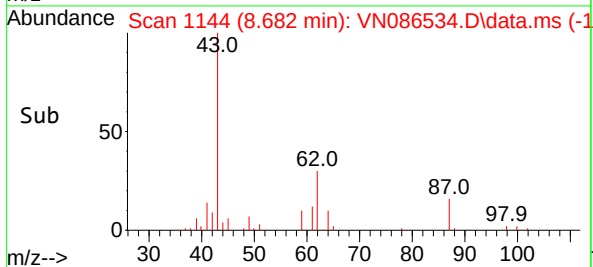
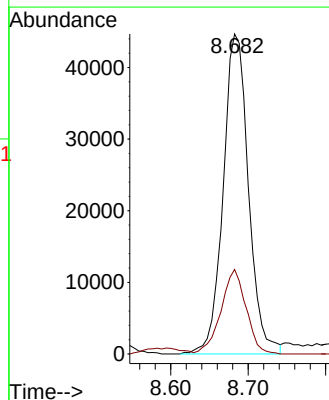
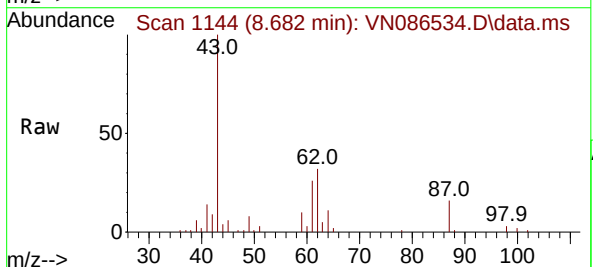
Acq: 07 May 2025 14:45

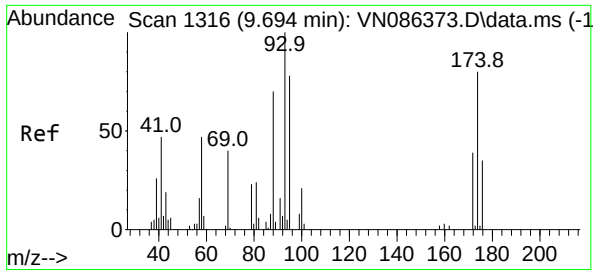
Tgt Ion: 43 Resp: 101595

Ion Ratio Lower Upper

43 100

61 26.2 21.0 31.4





#45

1,4-Dioxane

Concen: 450.979 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MS

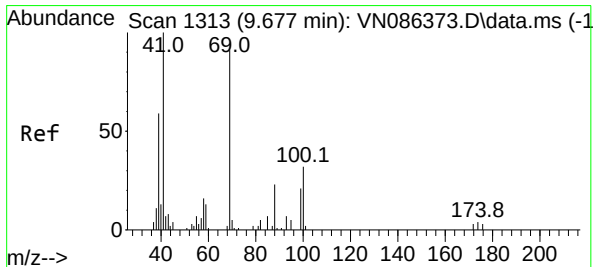
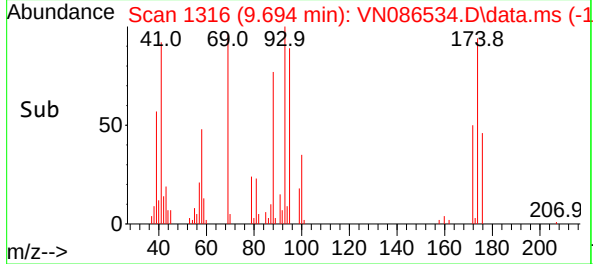
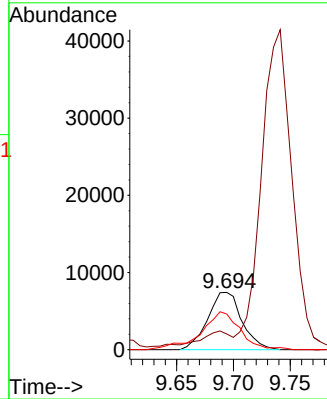
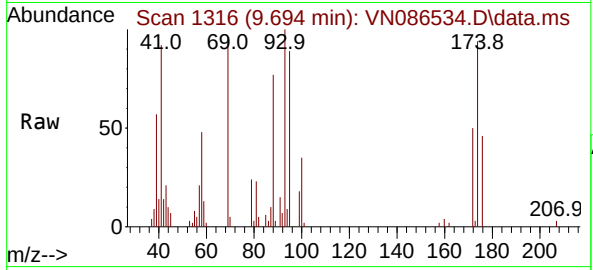
Tgt Ion:	88	Resp:	1556
Ion	Ratio	Lower	Upper
88	100		
43	29.6	24.9	37.3
58	68.0	57.8	86.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#46

Methyl methacrylate

Concen: 21.478 ug/l

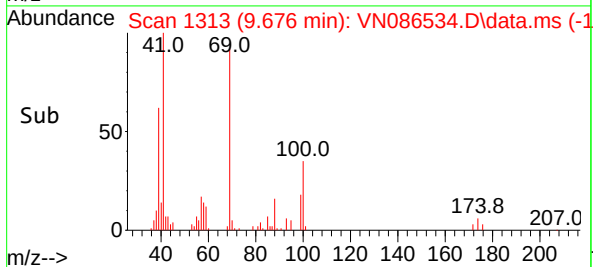
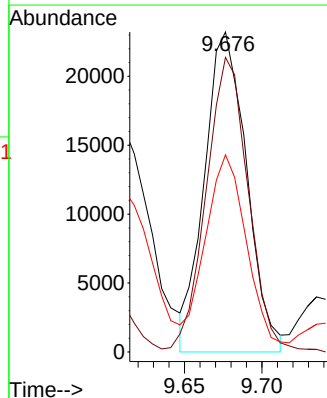
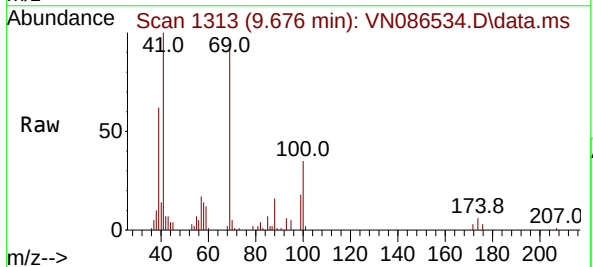
RT: 9.676 min Scan# 1313

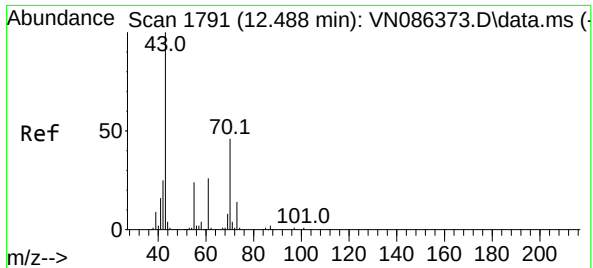
Delta R.T. -0.000 min

Lab File: VN086534.D

Acq: 07 May 2025 14:45

Tgt Ion:	41	Resp:	43831
Ion	Ratio	Lower	Upper
41	100		
69	94.2	44.1	132.3
39	61.7	30.0	90.1





#47

n-amy1 Acetate

Concen: 28.267 ug/l m

RT: 12.488 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VN086534.D

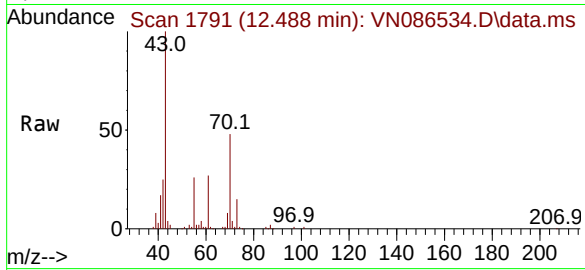
Acq: 07 May 2025 14:45

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 43 Resp: 106588

Ion Ratio Lower Upper

43 100

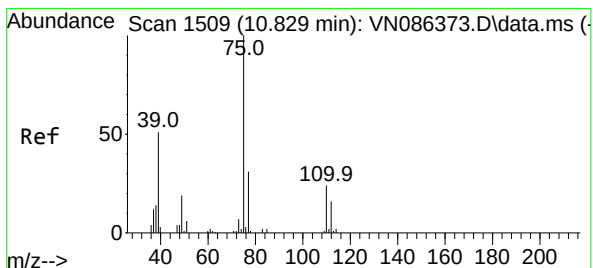
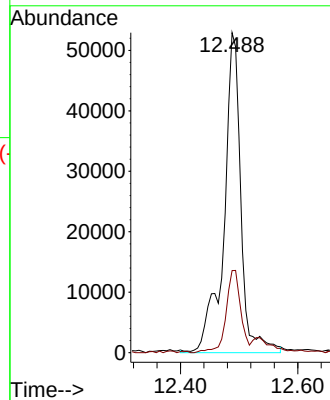
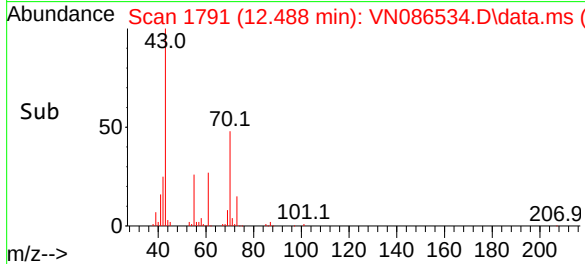
55 0.1 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#48

t-1,3-Dichloropropene

Concen: 21.046 ug/l

RT: 10.829 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VN086534.D

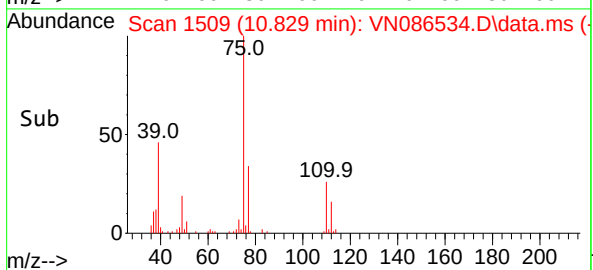
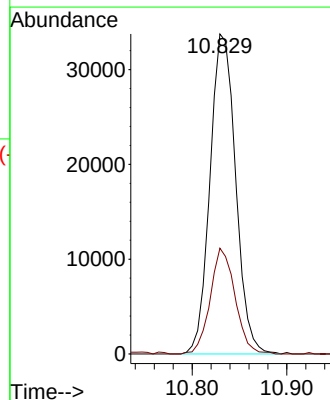
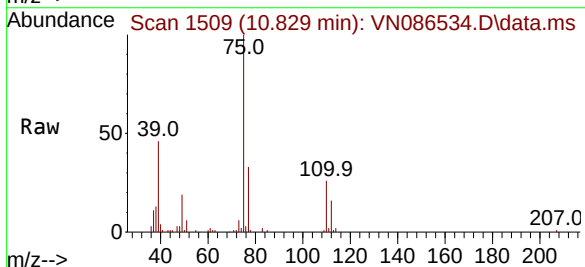
Acq: 07 May 2025 14:45

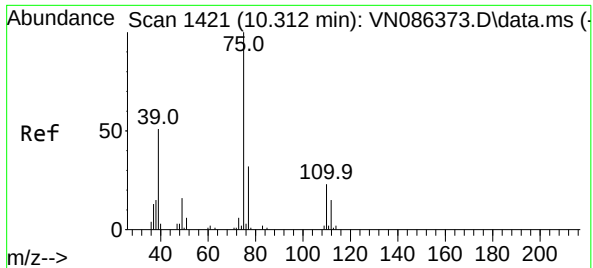
Tgt Ion: 75 Resp: 63497

Ion Ratio Lower Upper

75 100

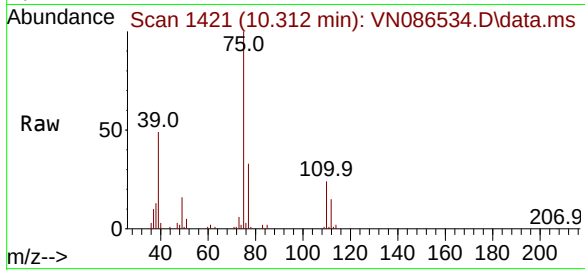
77 33.1 24.4 36.6





#49
cis-1,3-Dichloropropene
Concen: 20.928 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

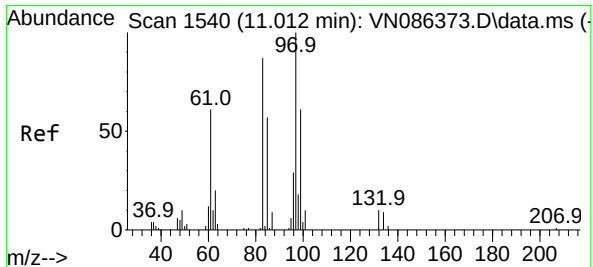
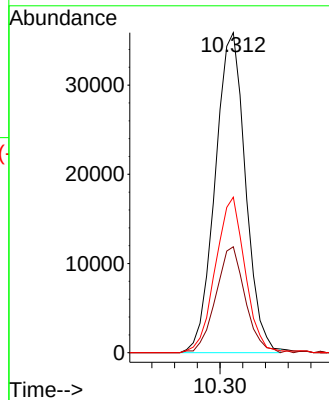
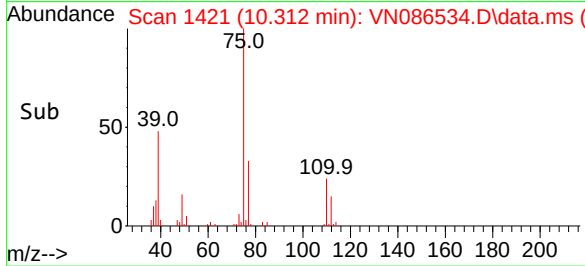
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 75 Resp: 66584
Ion Ratio Lower Upper
75 100
77 33.1 25.6 38.4
39 48.6 40.6 60.8

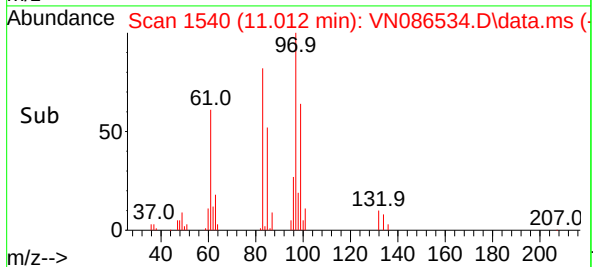
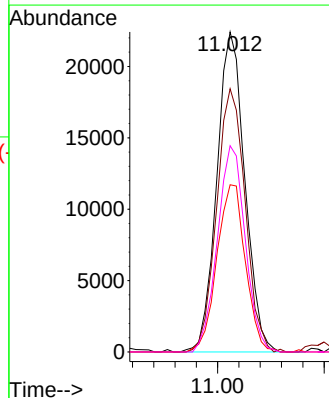
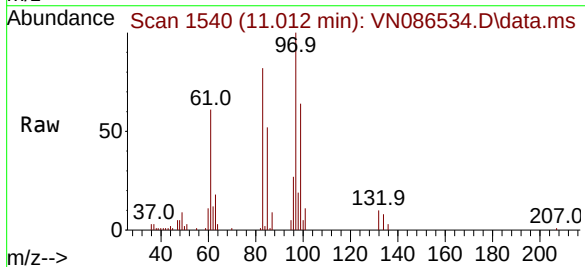
Manual Integrations
APPROVED

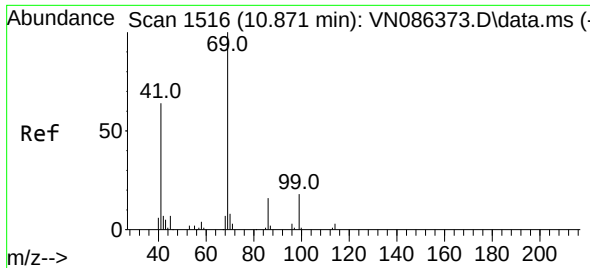
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#50
1,1,2-Trichloroethane
Concen: 22.909 ug/l
RT: 11.012 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

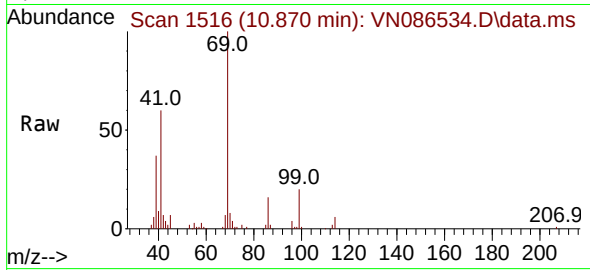
Tgt Ion: 97 Resp: 40806
Ion Ratio Lower Upper
97 100
83 82.2 69.3 103.9
85 52.3 45.5 68.3
99 64.5 49.0 73.6





#51
Ethyl methacrylate
Concen: 21.925 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

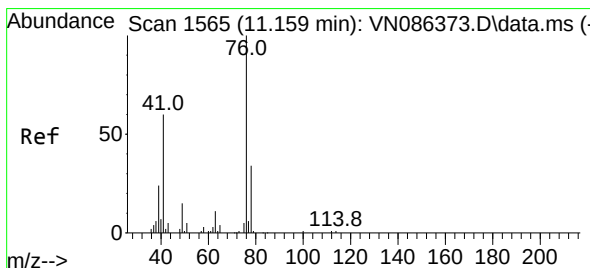
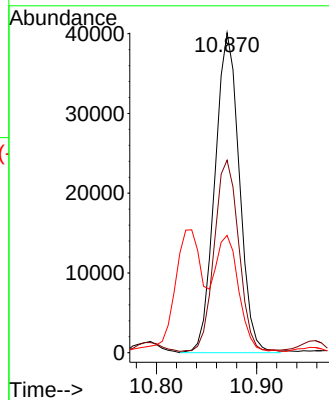
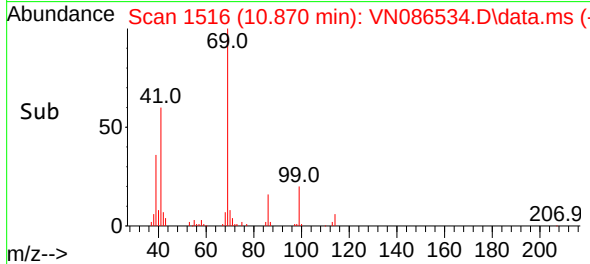
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 69 Resp: 68010
Ion Ratio Lower Upper
69 100
41 59.8 32.3 96.8
39 36.1 19.1 57.1

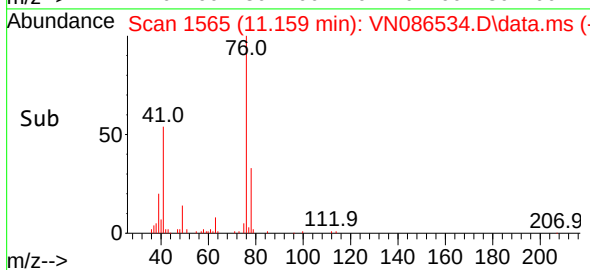
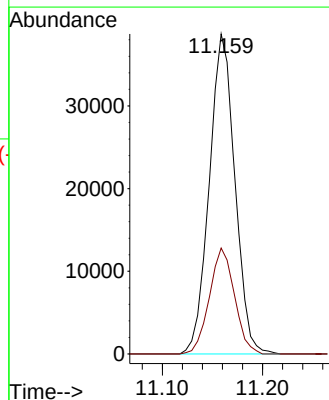
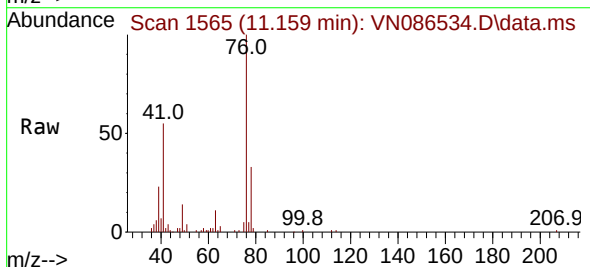
Manual Integrations
APPROVED

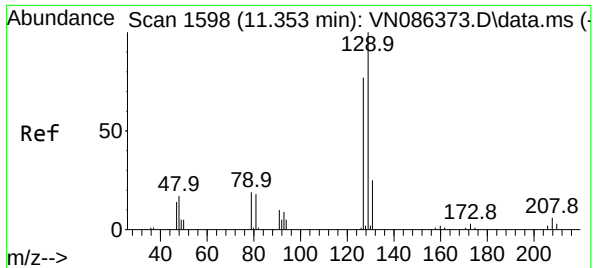
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#52
1,3-Dichloropropane
Concen: 21.834 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Tgt Ion: 76 Resp: 68735
Ion Ratio Lower Upper
76 100
78 32.4 0.0 65.6





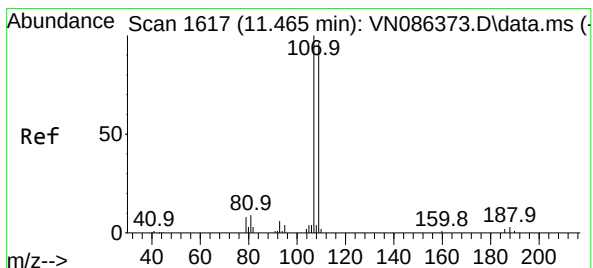
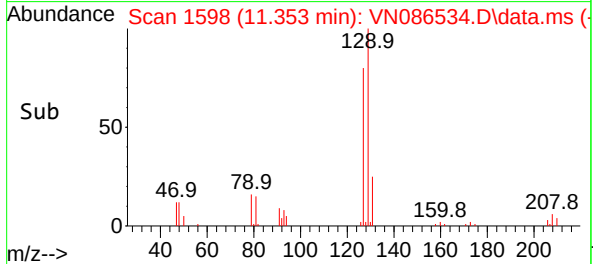
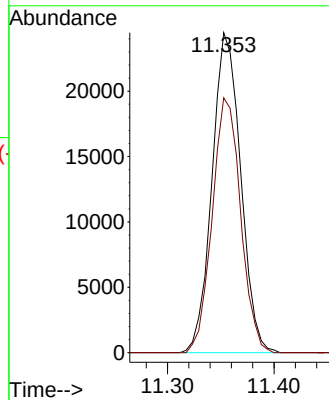
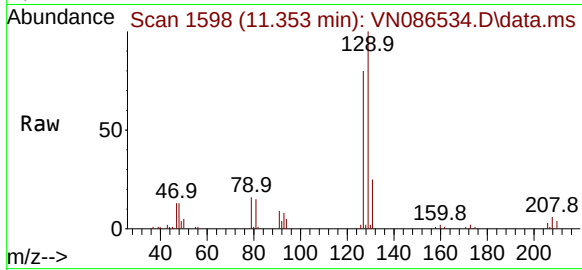
#53
Dibromochloromethane
Concen: 22.830 ug/l
RT: 11.353 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MS

Tgt Ion:129 Resp: 4566
Ion Ratio Lower Upper
129 100
127 78.8 38.8 116.3

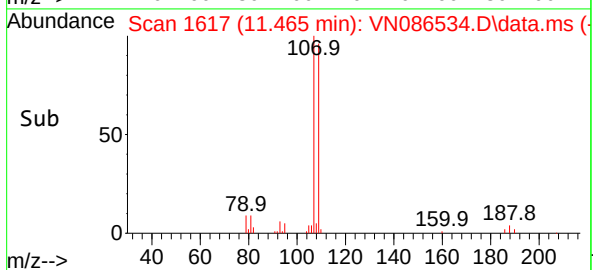
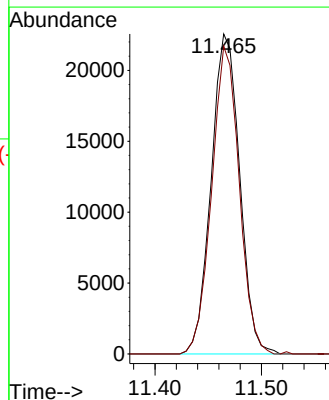
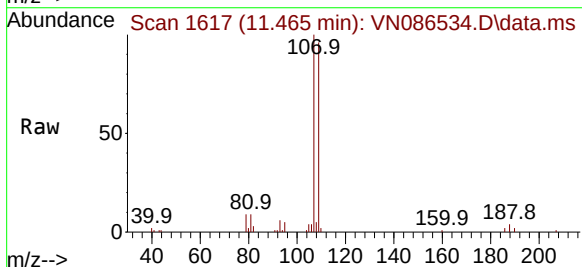
Manual Integrations
APPROVED

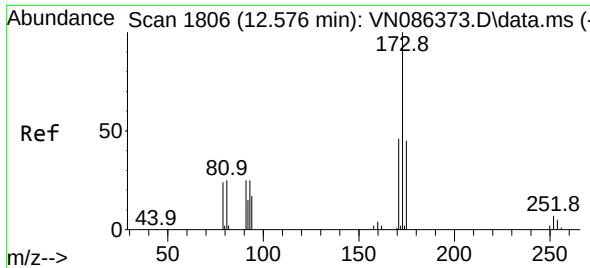
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#54
1,2-Dibromoethane
Concen: 23.171 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

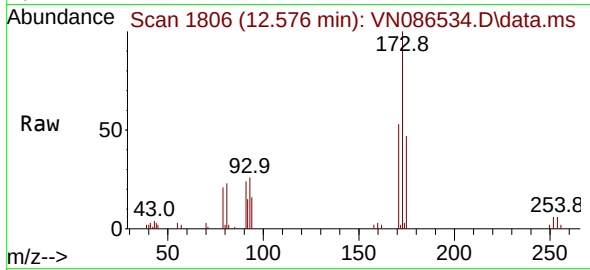
Tgt Ion:107 Resp: 41964
Ion Ratio Lower Upper
107 100
109 92.9 75.4 113.0





#56
Bromoform
Concen: 22.834 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

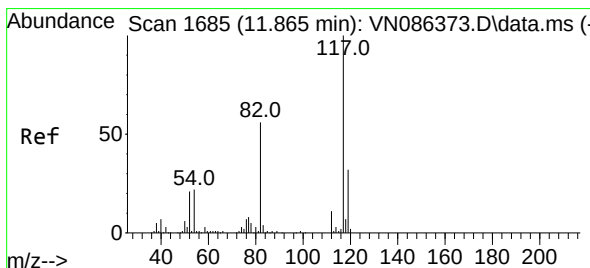
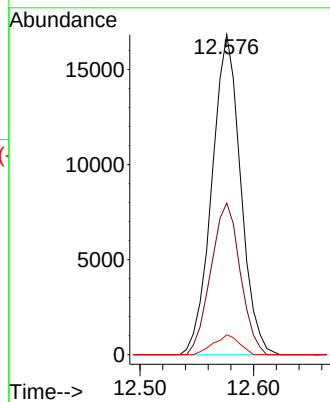
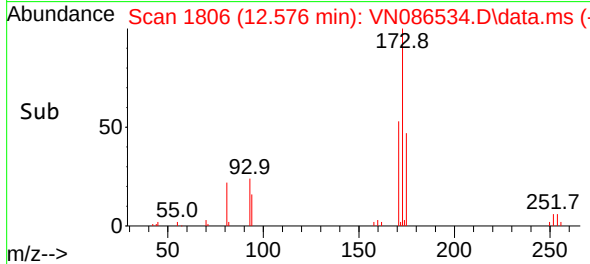
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion:173 Resp: 2963
Ion Ratio Lower Upper
173 100
175 48.4 39.0 58.6
254 5.5 3.8 5.6

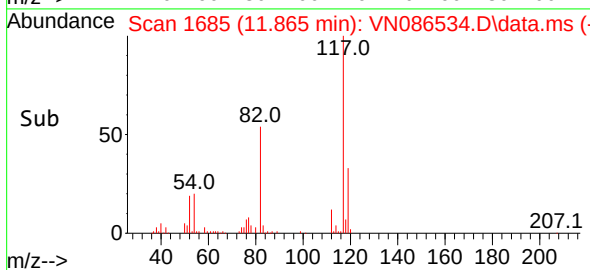
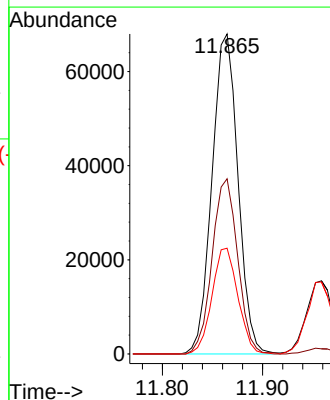
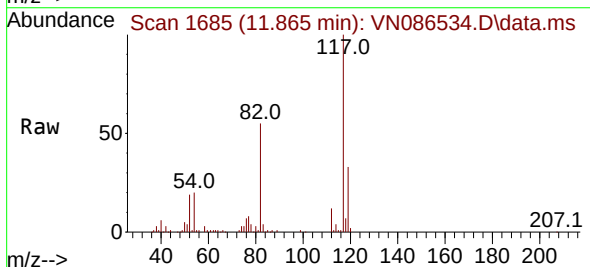
Manual Integrations
APPROVED

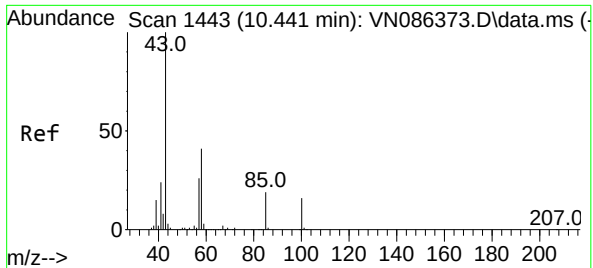
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

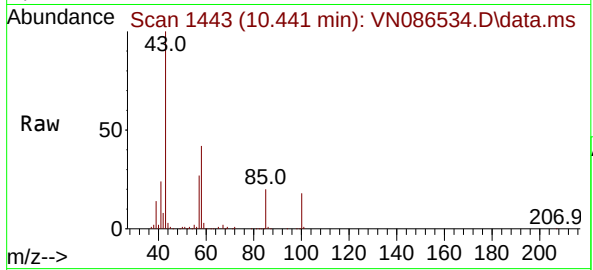
Tgt Ion:117 Resp: 122368
Ion Ratio Lower Upper
117 100
82 53.9 45.5 68.3
119 33.0 25.9 38.9





#58
4-Methyl-2-Pentanone
Concen: 132.577 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

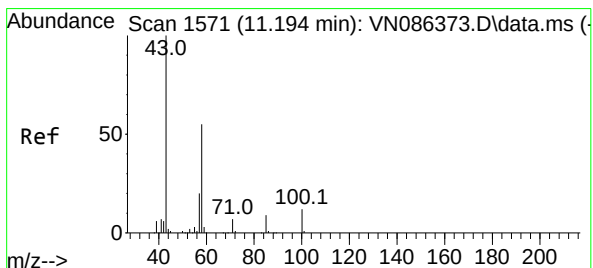
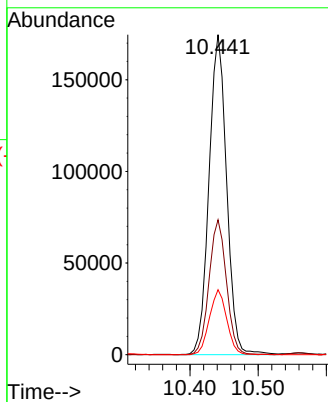
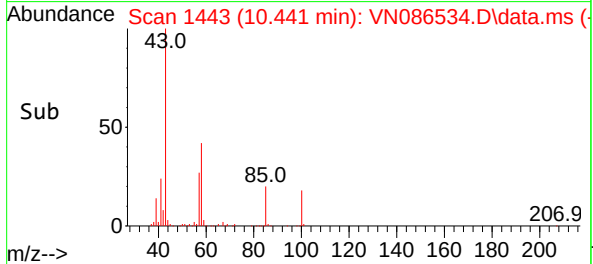
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 43 Resp: 31394
Ion Ratio Lower Upper
43 100
58 41.6 33.0 49.6
85 19.9 14.9 22.3

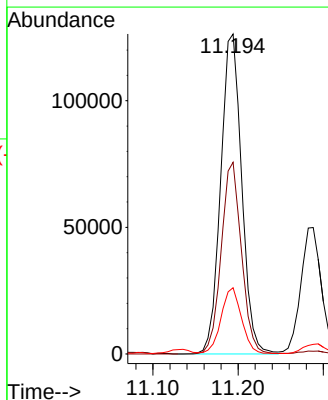
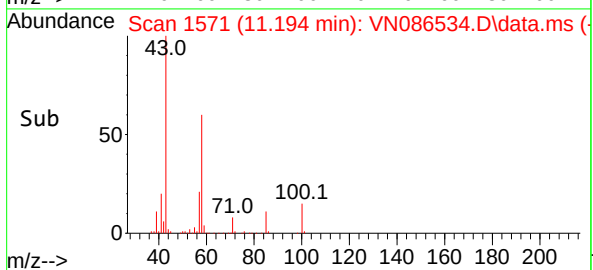
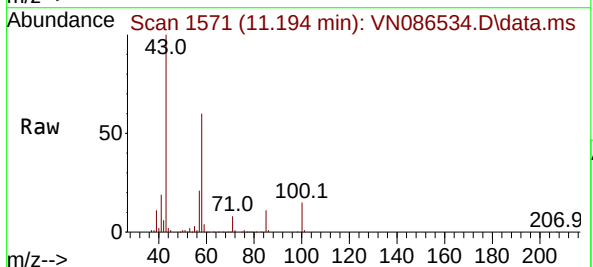
Manual Integrations
APPROVED

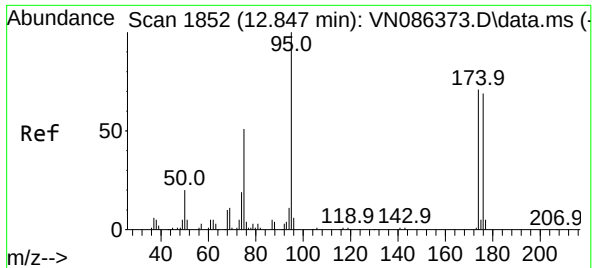
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#59
2-Hexanone
Concen: 123.856 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

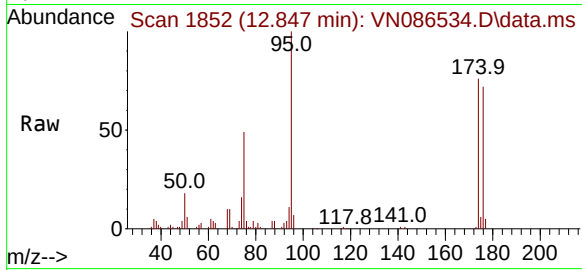
Tgt Ion: 43 Resp: 216133
Ion Ratio Lower Upper
43 100
58 57.8 45.0 67.6
57 20.3 15.5 23.3





#60
4-Bromofluorobenzene
Concen: 28.853 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

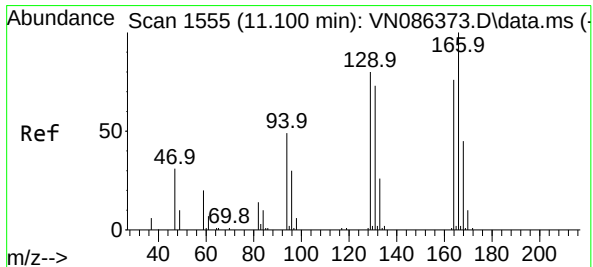
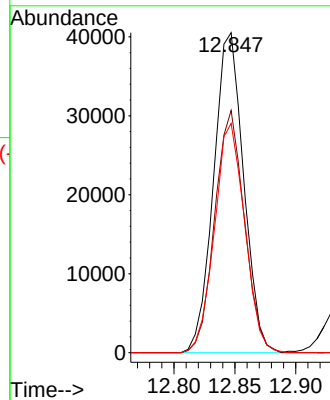
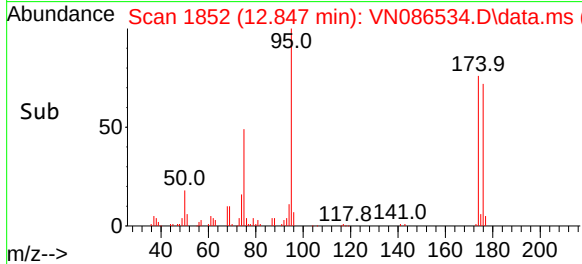
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 95 Resp: 69394
Ion Ratio Lower Upper
95 100
174 74.6 56.6 84.8
176 72.2 53.3 79.9

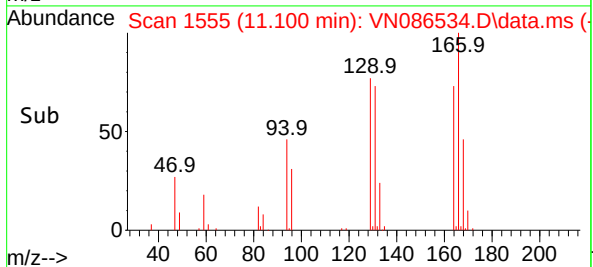
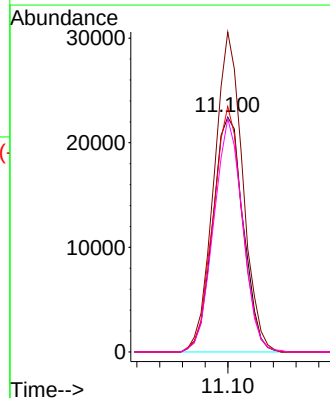
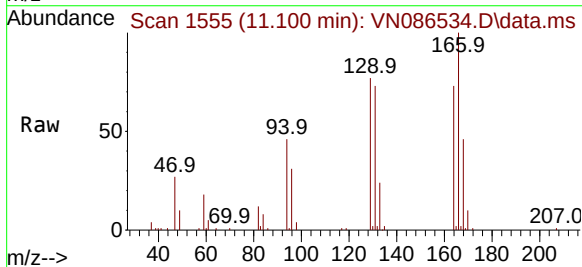
Manual Integrations
APPROVED

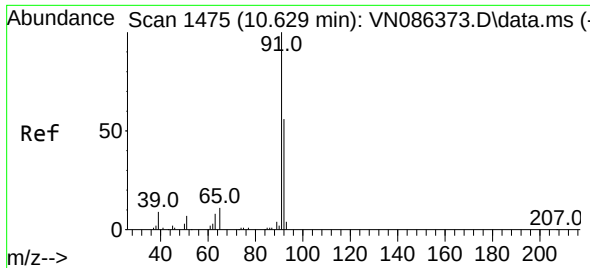
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#61
Tetrachloroethene
Concen: 22.449 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

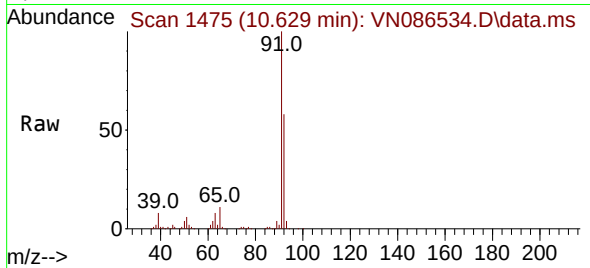
Tgt Ion:164 Resp: 41898
Ion Ratio Lower Upper
164 100
166 136.3 105.0 157.4
129 104.5 83.9 125.9
131 99.5 76.7 115.1





#62
Toluene
Concen: 80.903 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

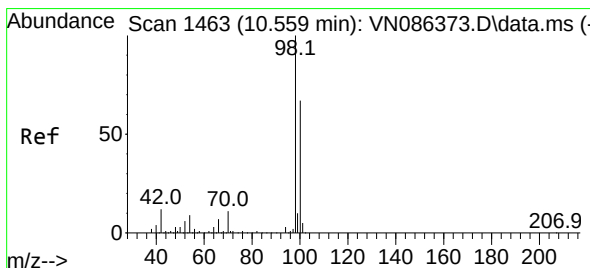
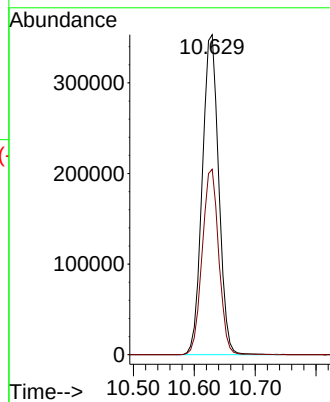
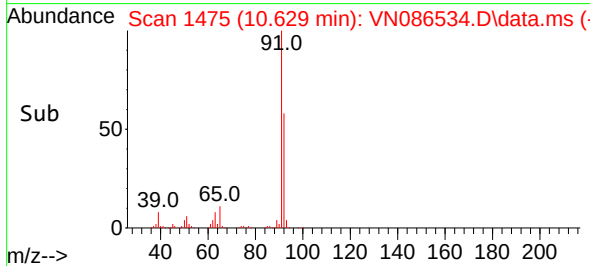
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 91 Resp: 66265
Ion Ratio Lower Upper
91 100
92 58.1 45.7 68.5

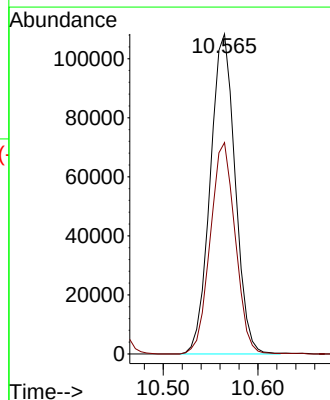
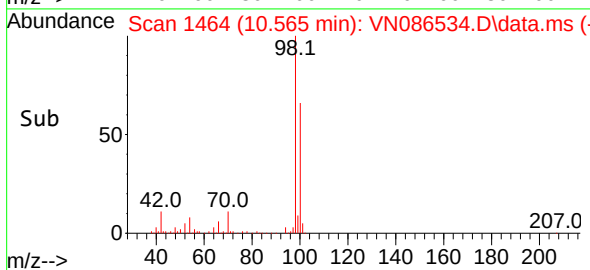
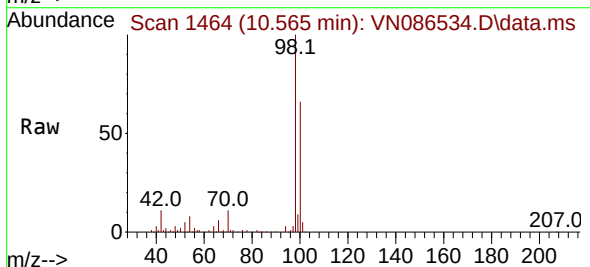
Manual Integrations
APPROVED

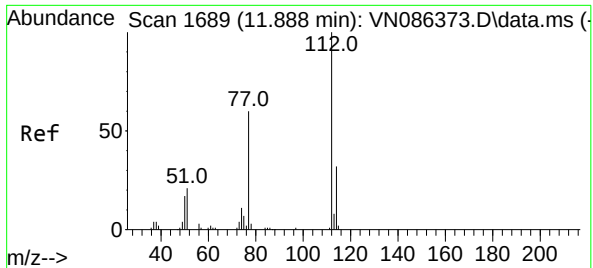
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#63
Toluene-d8
Concen: 29.434 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

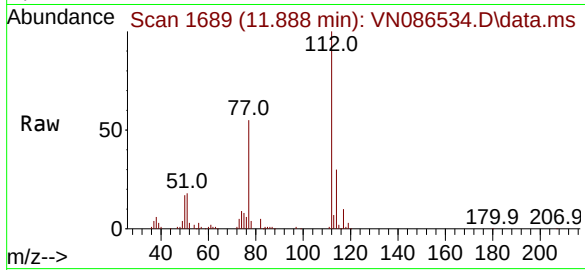
Tgt Ion: 98 Resp: 198149
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7





#64
Chlorobenzene
Concen: 23.431 ug/l
RT: 11.888 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

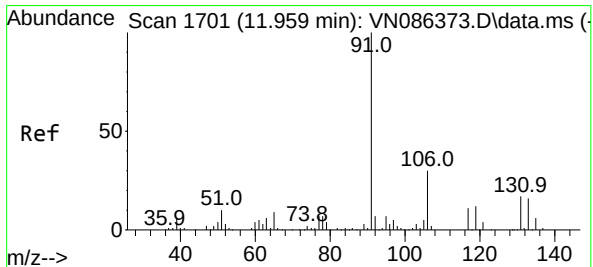
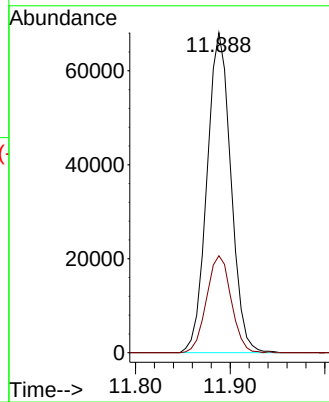
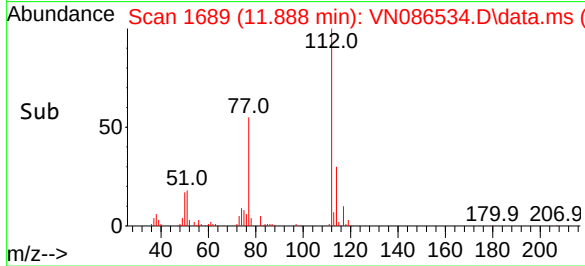
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



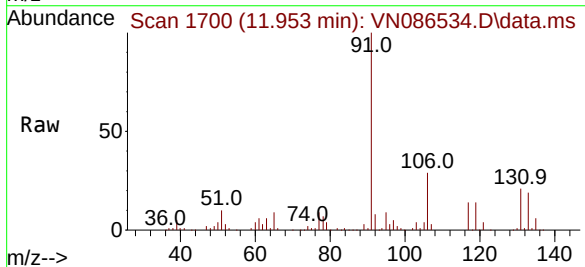
Tgt Ion:112 Resp: 119584
Ion Ratio Lower Upper
112 100
114 30.3 25.6 38.4

Manual Integrations
APPROVED

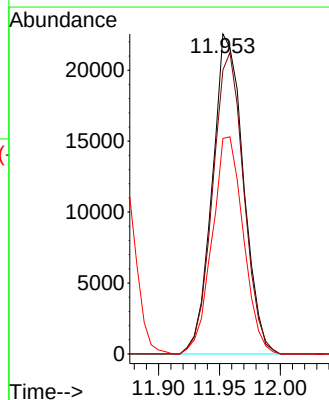
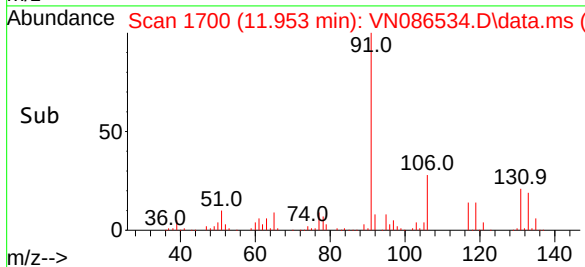
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

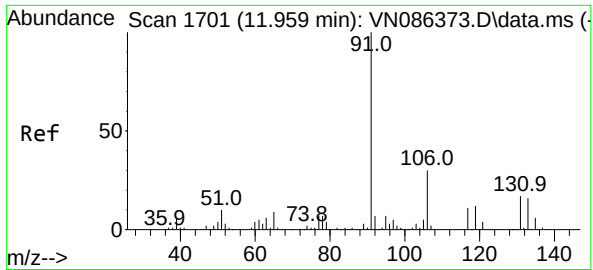


#65
1,1,1,2-Tetrachloroethane
Concen: 23.508 ug/l
RT: 11.953 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45



Tgt Ion:131 Resp: 40116
Ion Ratio Lower Upper
131 100
133 94.1 0.0 191.4
119 68.0 0.0 133.6





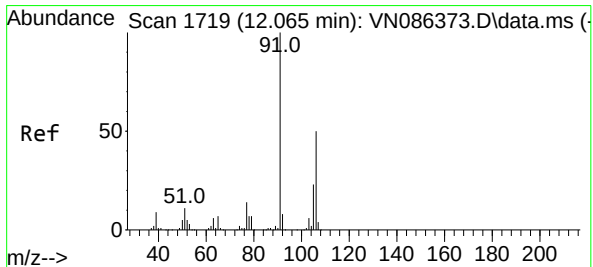
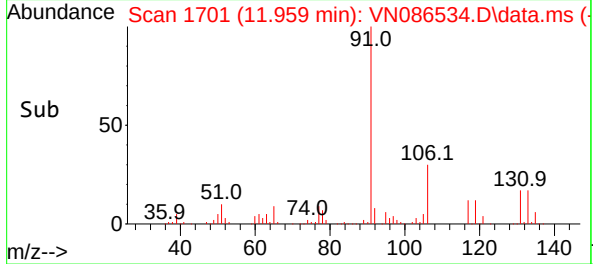
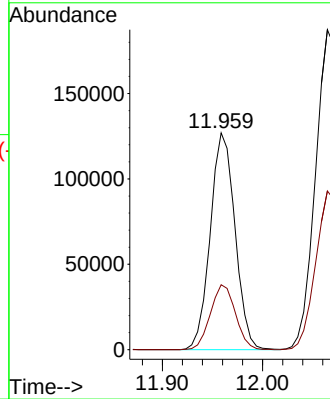
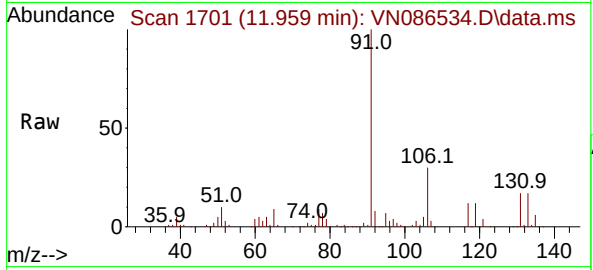
#66
Ethyl Benzene
Concen: 23.651 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS

Tgt Ion: 91 Resp: 218054
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5

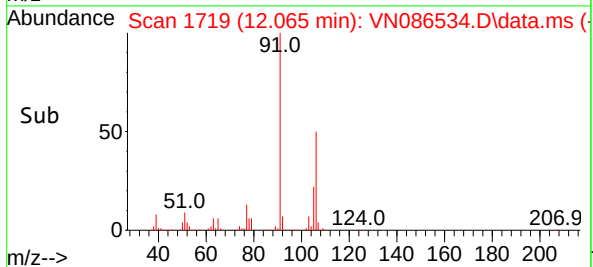
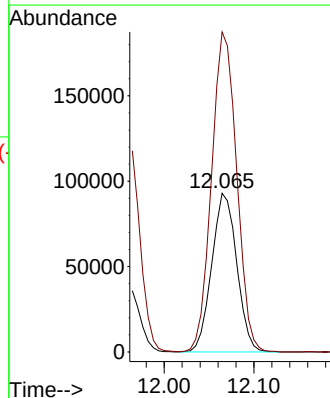
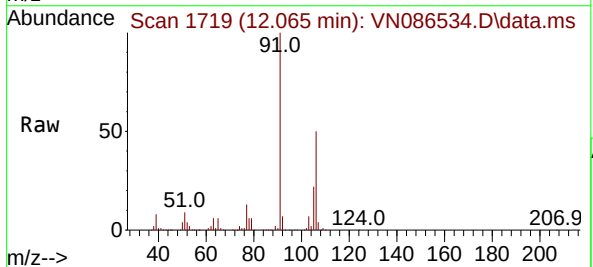
Manual Integrations
APPROVED

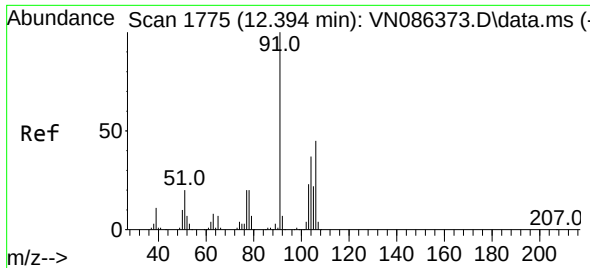
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#67
m/p-Xylenes
Concen: 51.391 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

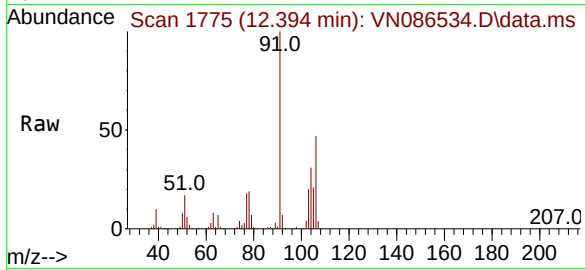
Tgt Ion:106 Resp: 179777
Ion Ratio Lower Upper
106 100
91 202.7 162.6 243.8





#68
o-Xylene
Concen: 25.832 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

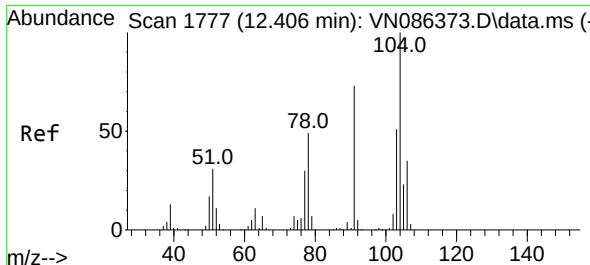
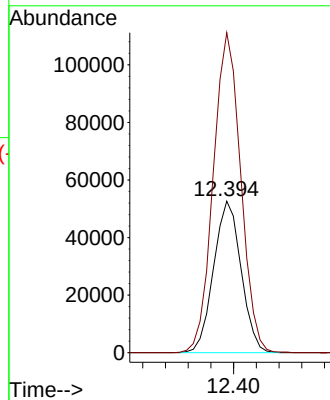
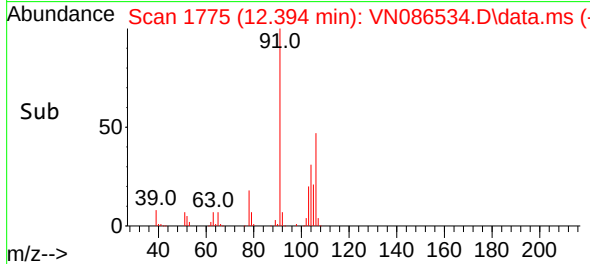
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion:106 Resp: 88480
Ion Ratio Lower Upper
106 100
91 211.0 110.6 331.6

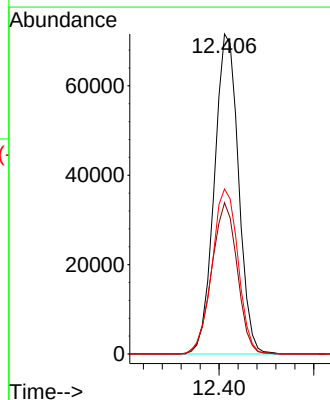
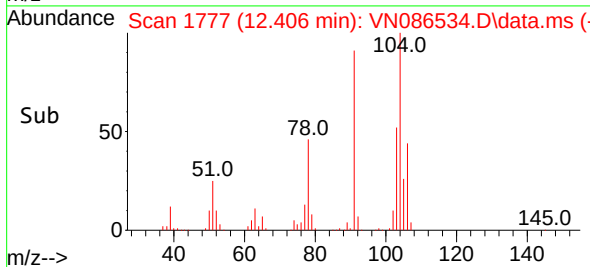
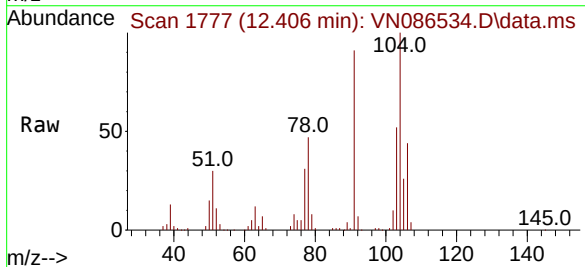
Manual Integrations
APPROVED

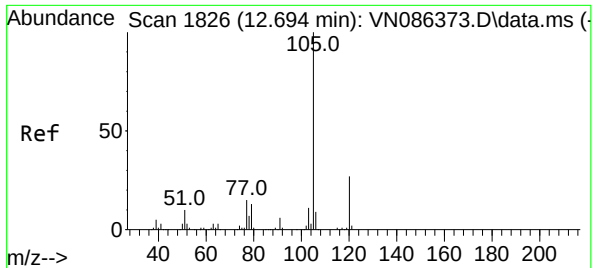
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#69
Styrene
Concen: 21.876 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

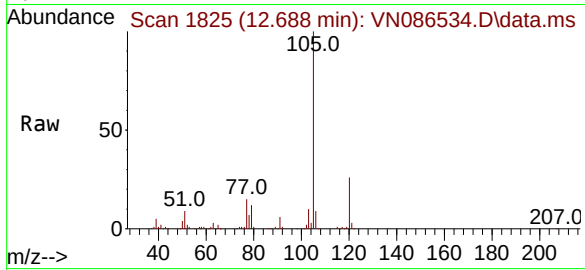
Tgt Ion:104 Resp: 127004
Ion Ratio Lower Upper
104 100
78 49.8 40.2 60.4
103 55.5 43.8 65.8





#70
Isopropylbenzene
Concen: 22.724 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

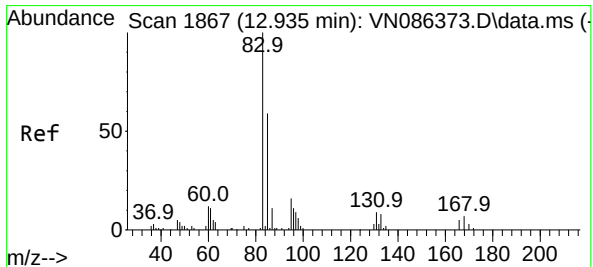
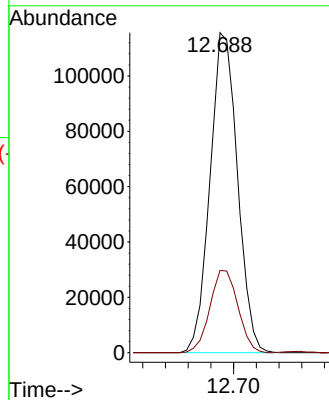
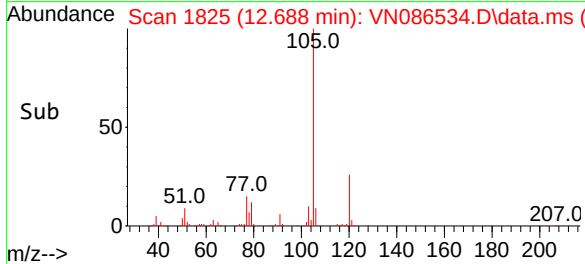
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion:105 Resp: 19429
Ion Ratio Lower Upper
105 100
120 26.2 18.2 33.8

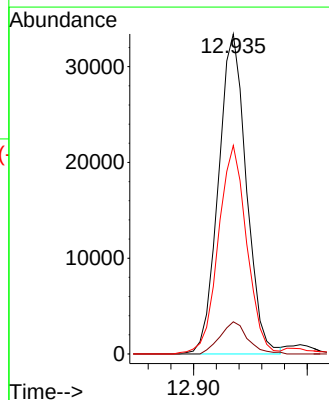
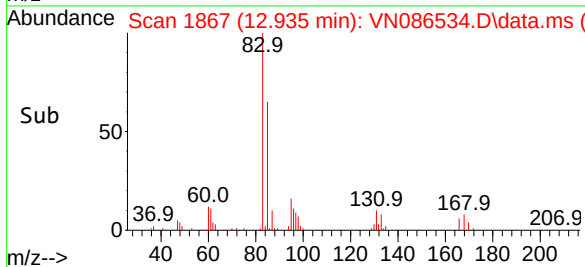
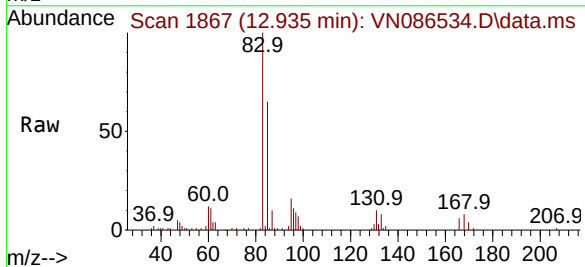
Manual Integrations
APPROVED

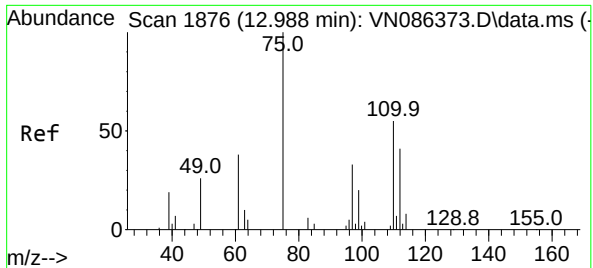
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#71
1,1,2,2-Tetrachloroethane
Concen: 25.350 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

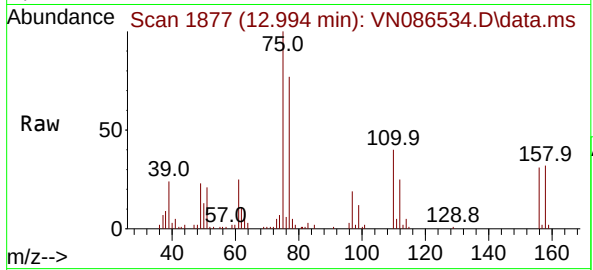
Tgt Ion: 83 Resp: 57071
Ion Ratio Lower Upper
83 100
131 9.9 4.5 13.7
85 66.2 31.7 95.1





#72
1,2,3-Trichloropropane
Concen: 26.460 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

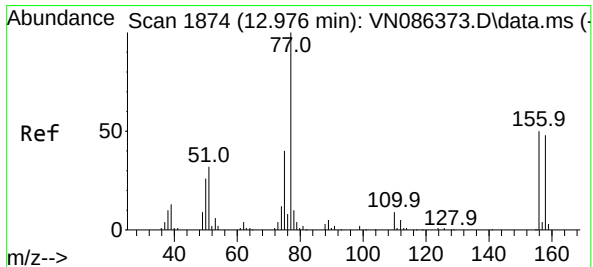
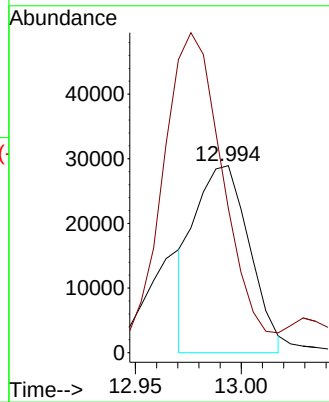
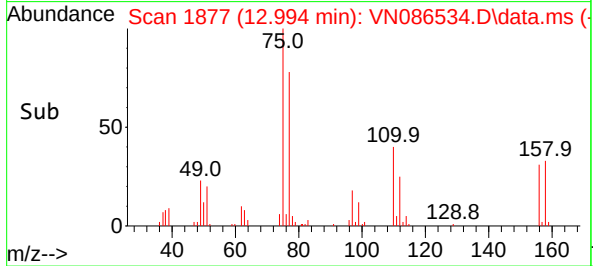
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 75 Resp: 51938
Ion Ratio Lower Upper
75 100
77 192.4 0.0 464.4

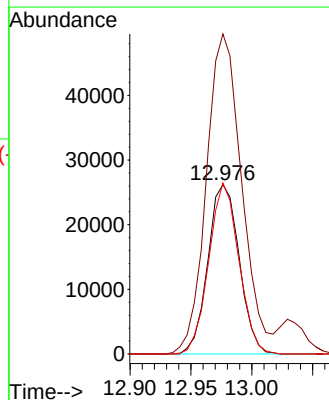
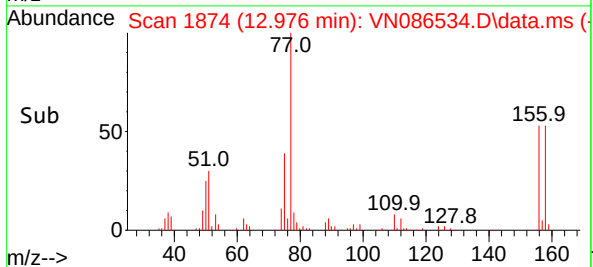
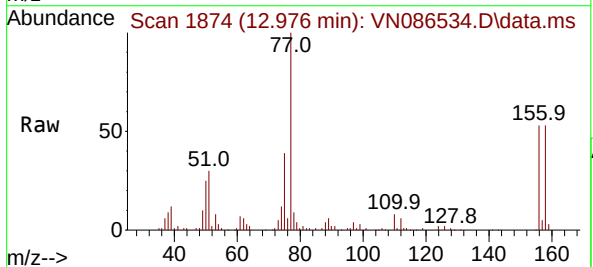
Manual Integrations
APPROVED

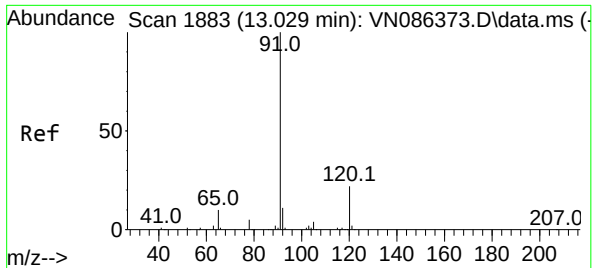
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#73
Bromobenzene
Concen: 23.777 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Tgt Ion:156 Resp: 46738
Ion Ratio Lower Upper
156 100
77 213.8 0.0 463.4
158 97.1 0.0 191.8





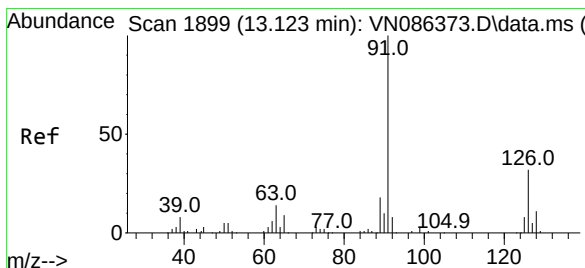
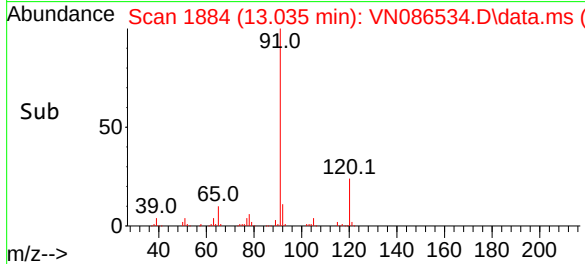
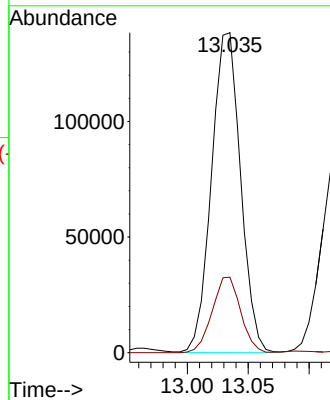
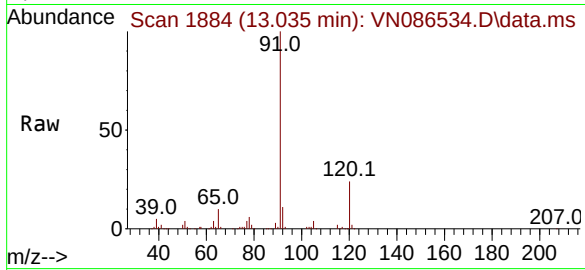
#74
n-propylbenzene
Concen: 22.579 ug/l
RT: 13.035 min Scan# 1883
Delta R.T. 0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS

Tgt Ion: 91 Resp: 22940
Ion Ratio Lower Upper
91 100
120 23.1 0.0 43.8

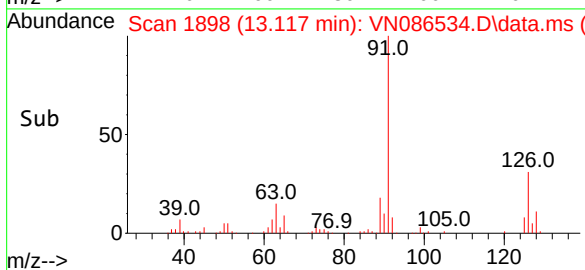
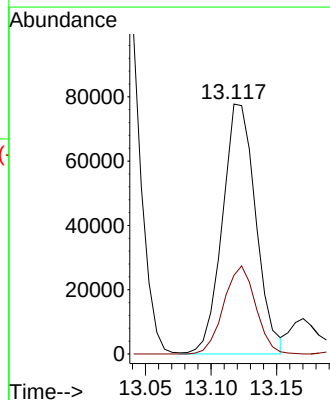
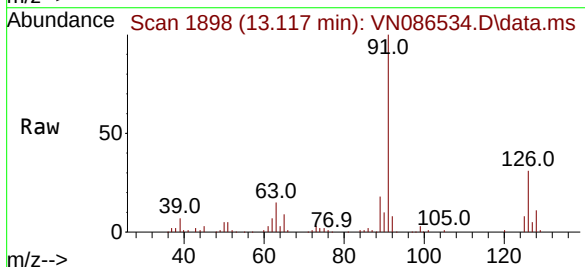
Manual Integrations
APPROVED

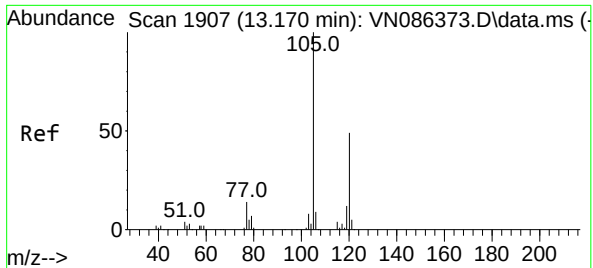
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#75
2-Chlorotoluene
Concen: 21.738 ug/l
RT: 13.117 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

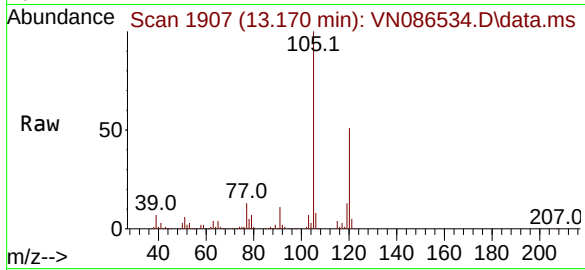
Tgt Ion: 91 Resp: 137873
Ion Ratio Lower Upper
91 100
126 33.6 0.0 65.0





#76
1,3,5-Trimethylbenzene
Concen: 23.140 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

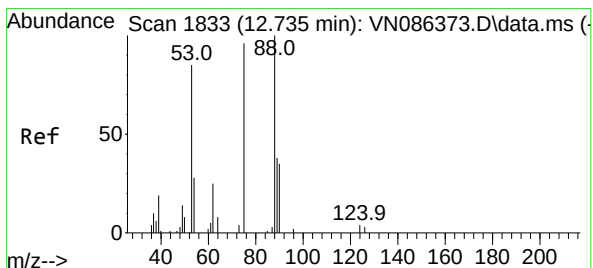
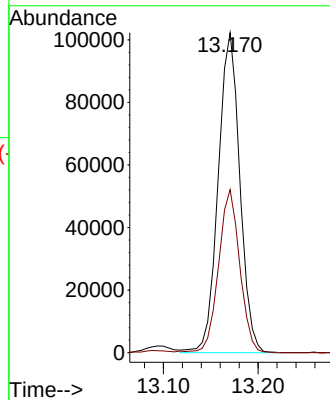
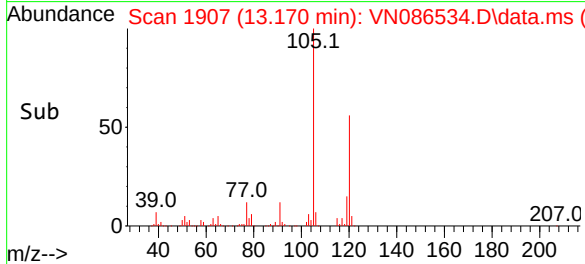
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion:105 Resp: 162340
Ion Ratio Lower Upper
105 100
120 49.8 0.0 97.6

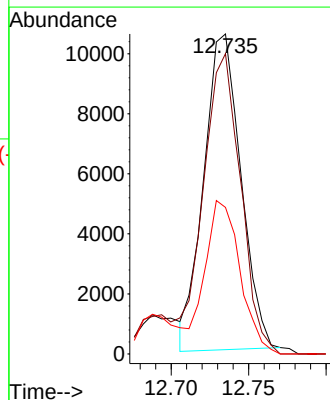
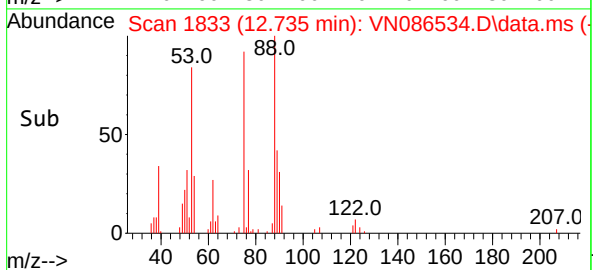
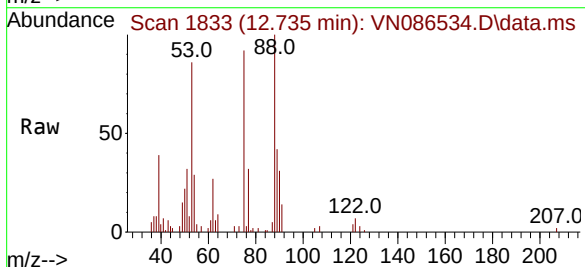
Manual Integrations
APPROVED

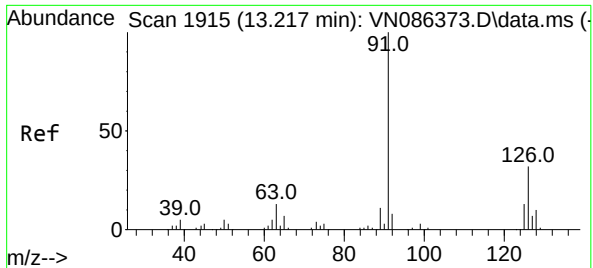
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#77
t-1,4-Dichloro-2-butene
Concen: 17.615 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

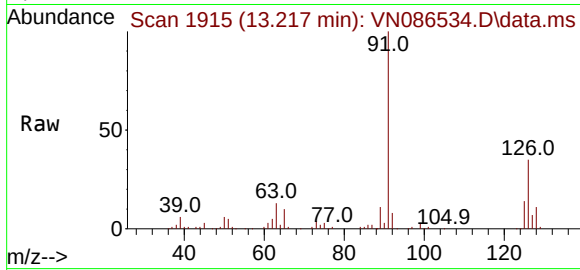
Tgt Ion: 75 Resp: 17546
Ion Ratio Lower Upper
75 100
53 95.8 46.0 138.0
89 46.8 21.6 64.6





#78
4-Chlorotoluene
Concen: 21.764 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

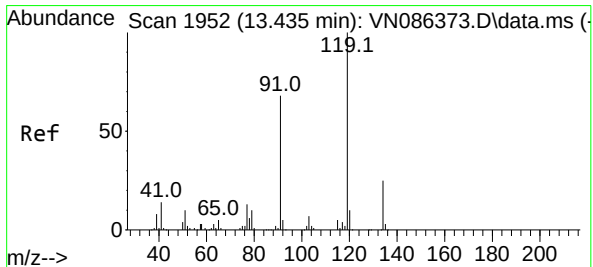
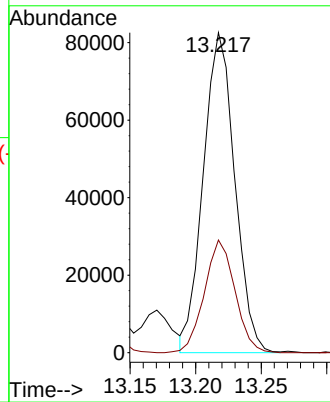
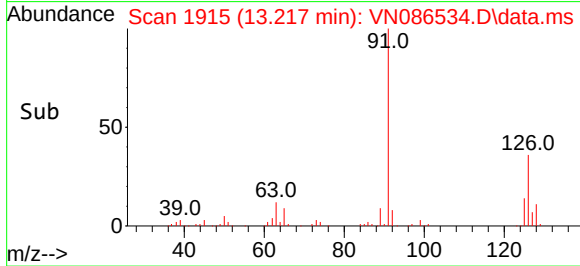
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



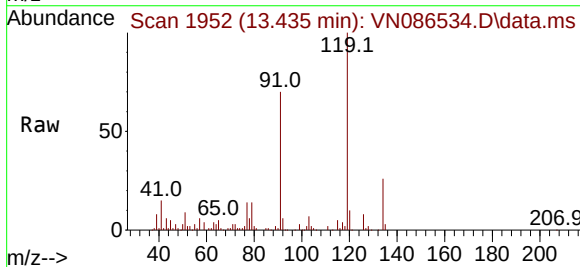
Tgt Ion: 91 Resp: 13802
Ion Ratio Lower Upper
91 100
126 34.2 0.0 65.4

Manual Integrations
APPROVED

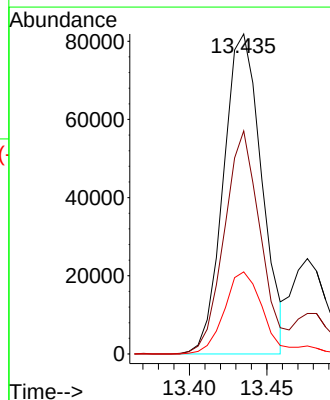
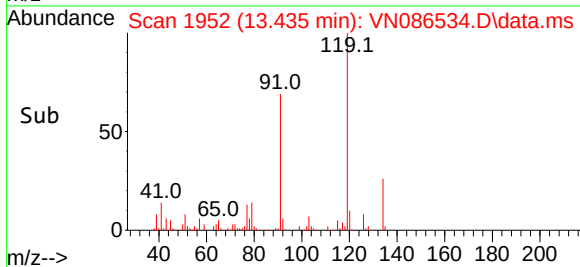
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

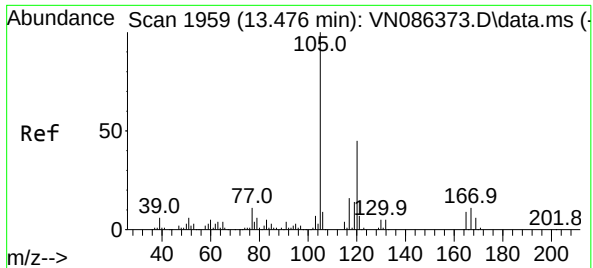


#79
tert-butylbenzene
Concen: 23.377 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45



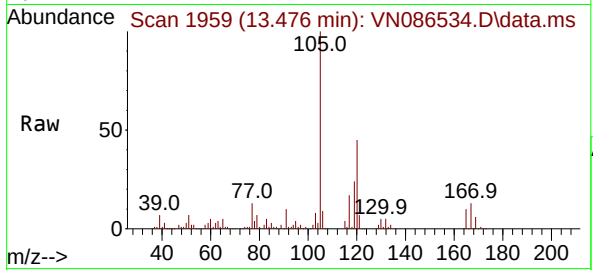
Tgt Ion:119 Resp: 140459
Ion Ratio Lower Upper
119 100
91 66.9 0.0 137.4
134 25.3 0.0 49.2





#80
1,2,4-Trimethylbenzene
Concen: 23.700 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

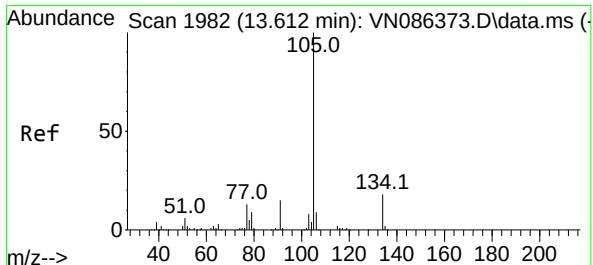
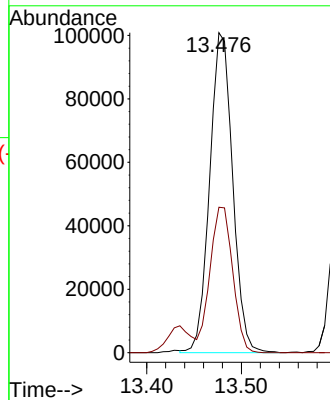
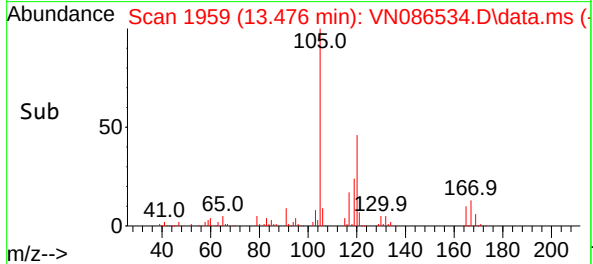
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion:105 Resp: 169802
Ion Ratio Lower Upper
105 100
120 44.9 0.0 87.6

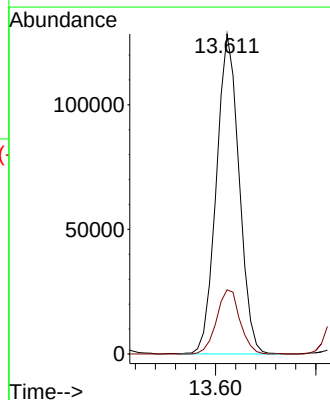
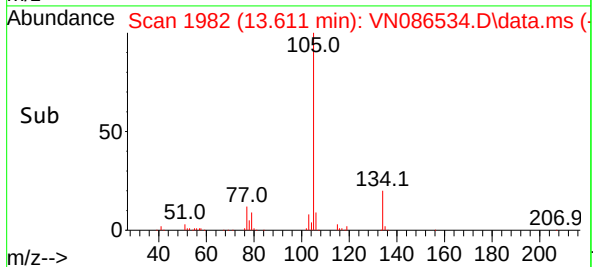
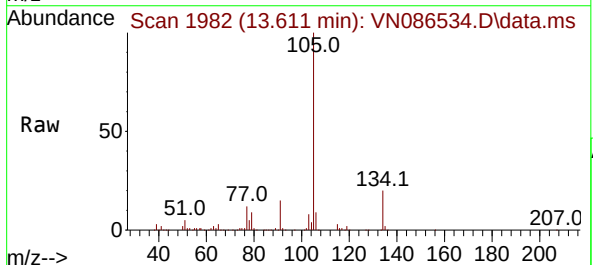
Manual Integrations
APPROVED

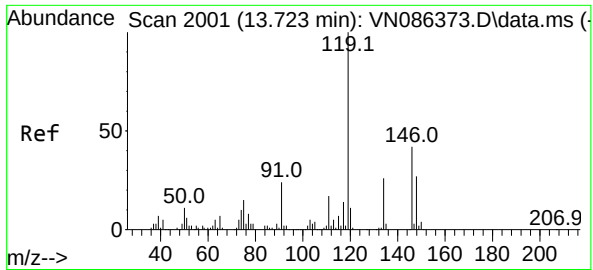
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#81
sec-Butylbenzene
Concen: 23.536 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

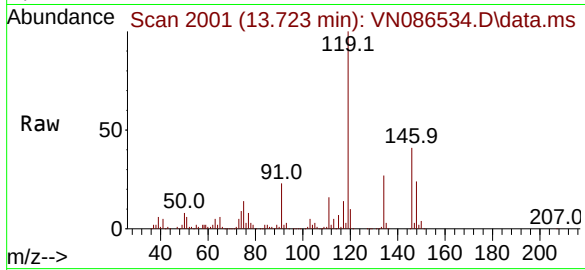
Tgt Ion:105 Resp: 201858
Ion Ratio Lower Upper
105 100
134 20.6 0.0 38.4





#82
p-Isopropyltoluene
Concen: 24.492 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

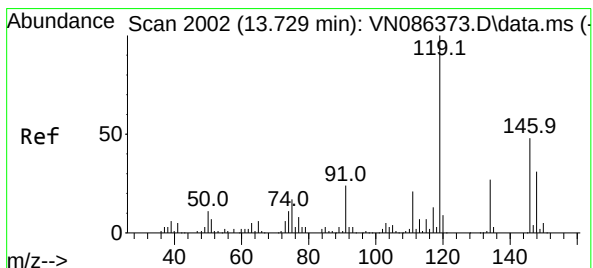
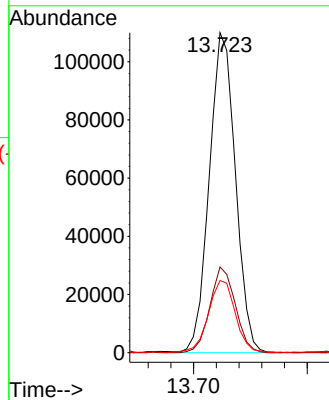
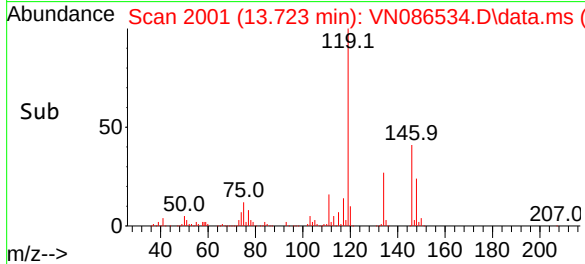
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MS



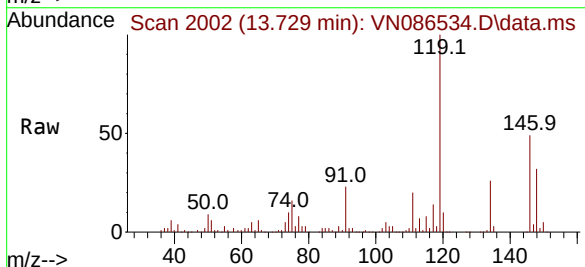
Tgt Ion:119 Resp: 175774
Ion Ratio Lower Upper
119 100
134 25.9 0.0 52.2
91 23.3 0.0 47.6

Manual Integrations
APPROVED

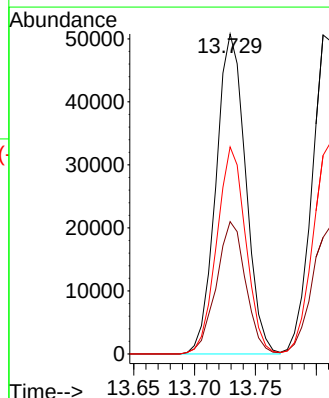
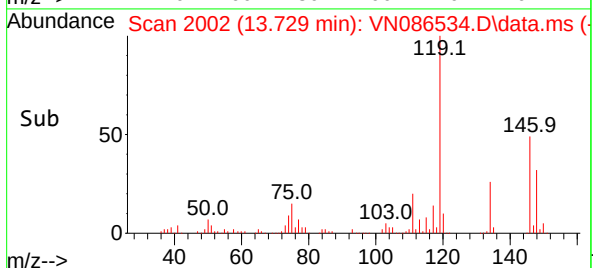
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

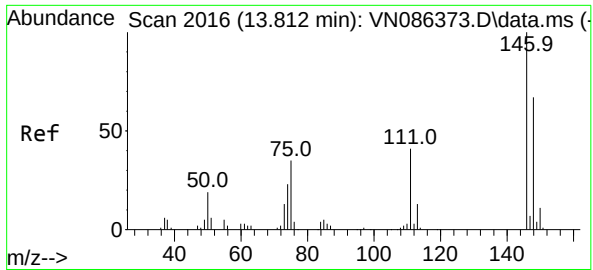


#83
1,3-Dichlorobenzene
Concen: 23.144 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45



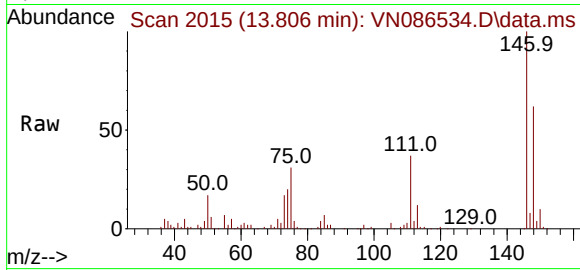
Tgt Ion:146 Resp: 85997
Ion Ratio Lower Upper
146 100
111 41.1 20.7 62.1
148 63.4 32.3 96.8





#84
1,4-Dichlorobenzene
Concen: 23.284 ug/l
RT: 13.806 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

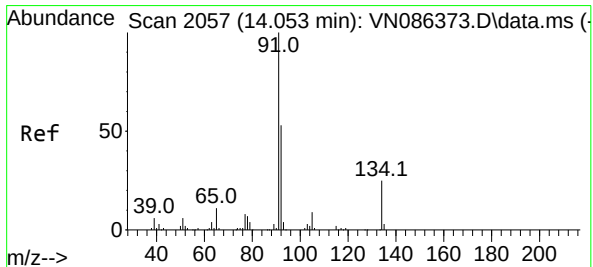
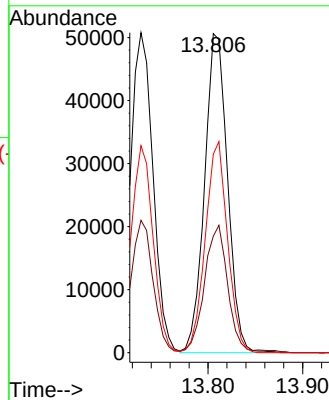
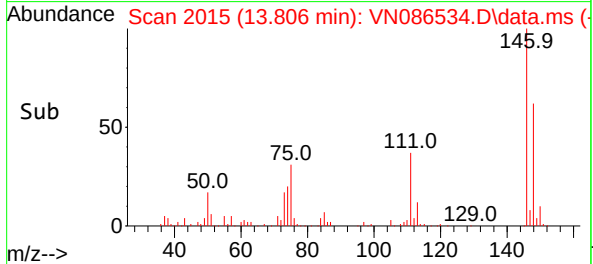
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion: 146 Resp: 85480
Ion Ratio Lower Upper
146 100
111 39.2 20.3 60.8
148 64.2 32.4 97.2

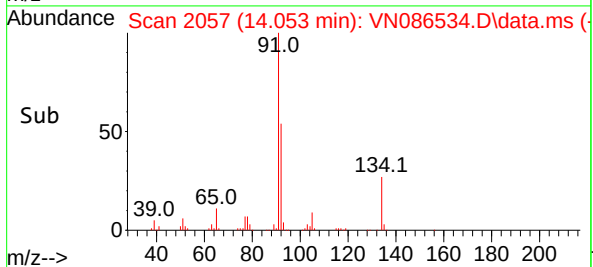
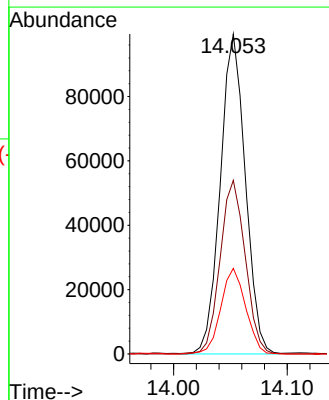
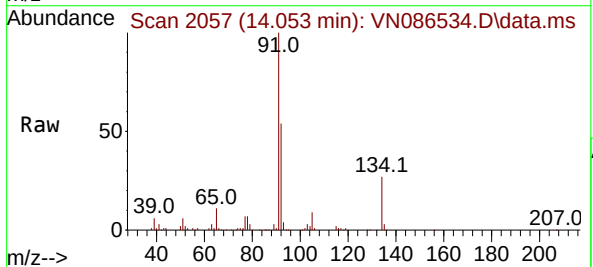
Manual Integrations
APPROVED

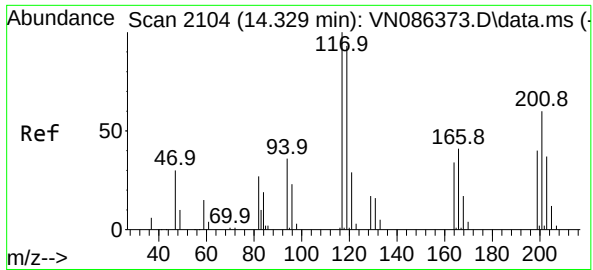
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#85
n-Butylbenzene
Concen: 23.790 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

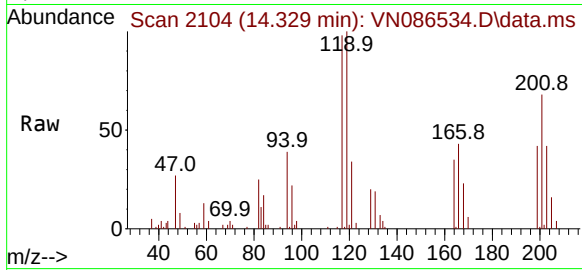
Tgt Ion: 91 Resp: 152343
Ion Ratio Lower Upper
91 100
92 54.4 0.0 107.2
134 26.6 0.0 48.2





#86
Hexachloroethane
Concen: 22.088 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

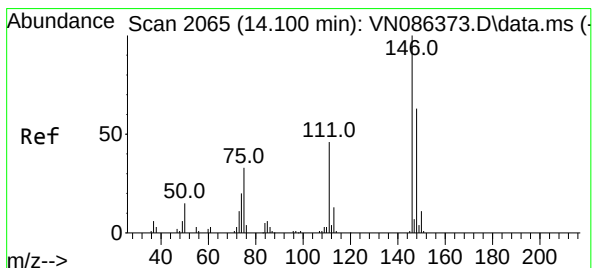
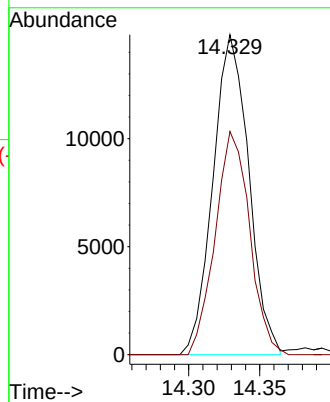
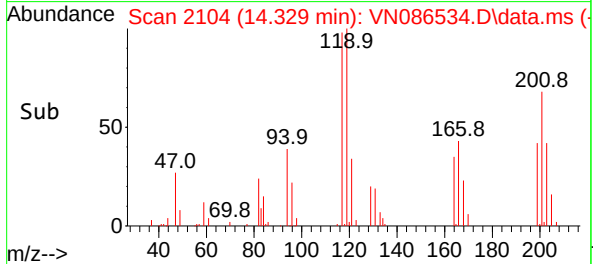
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



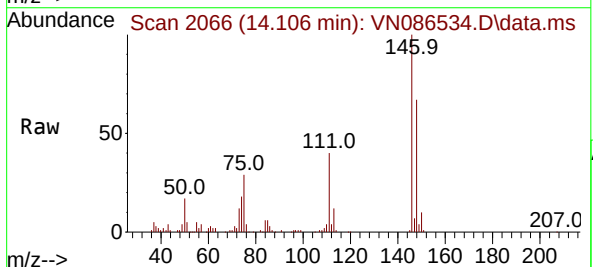
Tgt Ion:117 Resp: 25920
Ion Ratio Lower Upper
117 100
201 67.2 31.7 95.1

Manual Integrations
APPROVED

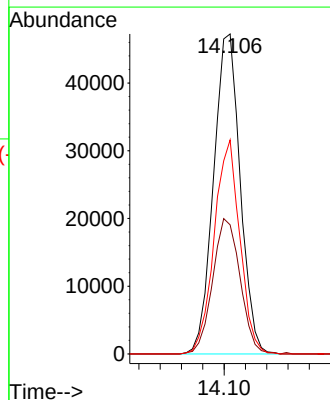
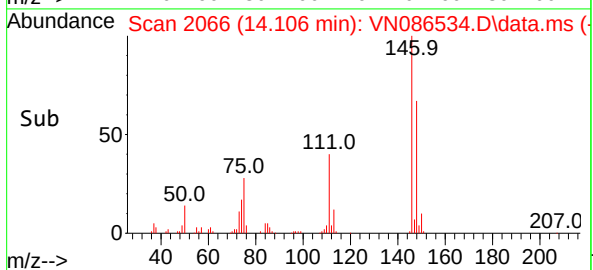
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

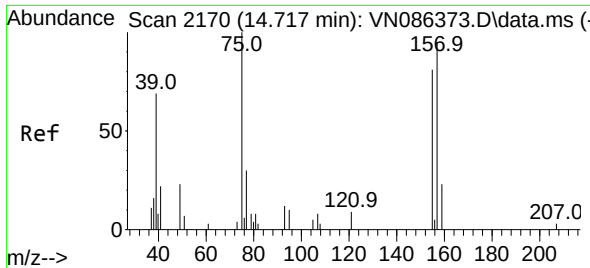


#87
1,2-Dichlorobenzene
Concen: 23.184 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45



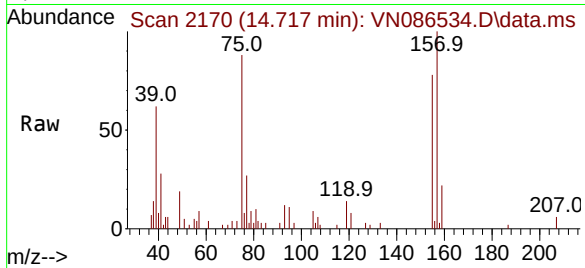
Tgt Ion:146 Resp: 81968
Ion Ratio Lower Upper
146 100
111 43.6 22.1 66.3
148 64.4 32.0 96.0





#88
1,2-Dibromo-3-Chloropropane
Concen: 25.153 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

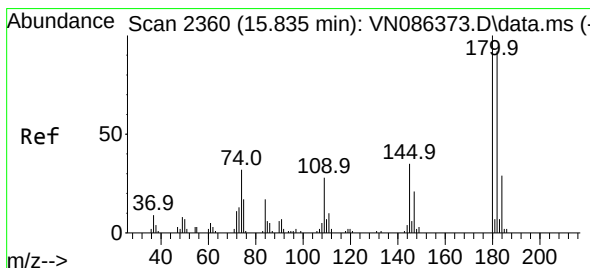
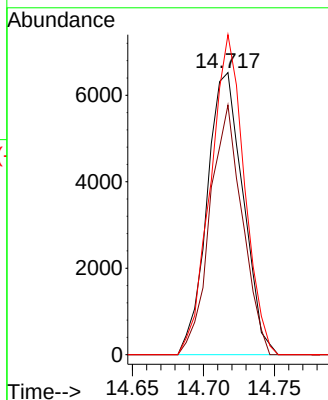
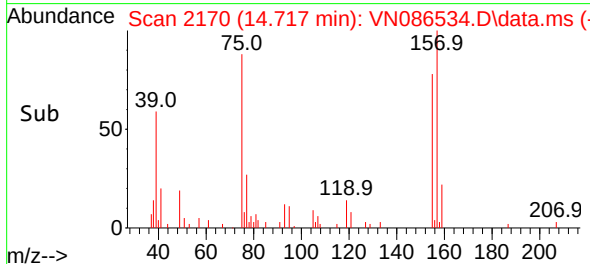
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



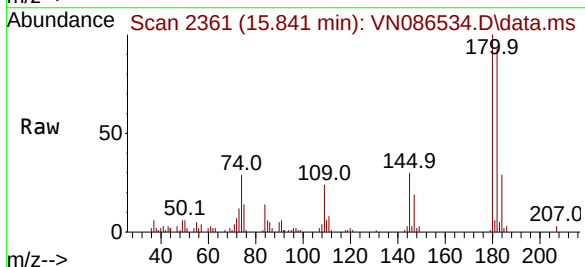
Tgt Ion: 75 Resp: 11510
Ion Ratio Lower Upper
75 100
155 79.7 64.0 96.0
157 106.6 78.2 117.4

Manual Integrations
APPROVED

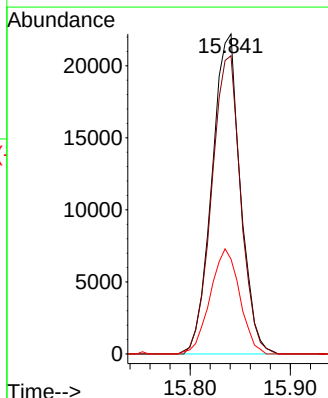
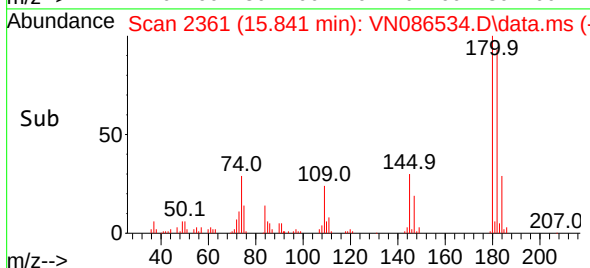
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

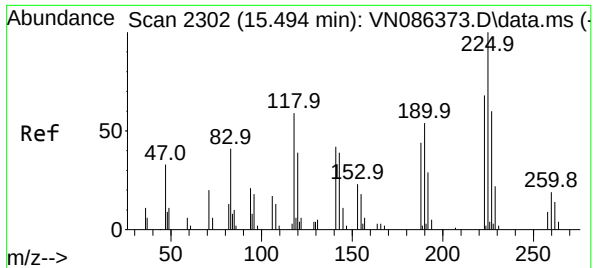


#89
1,2,4-Trichlorobenzene
Concen: 27.165 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45



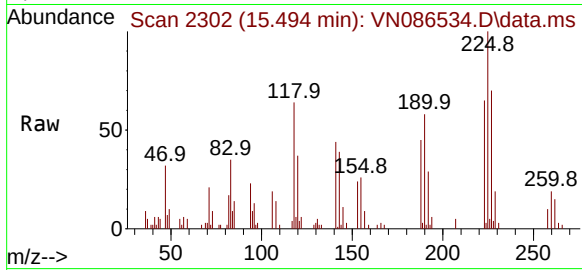
Tgt Ion:180 Resp: 43775
Ion Ratio Lower Upper
180 100
182 94.8 74.8 112.2
145 34.1 26.9 40.3





#90
Hexachlorobutadiene
Concen: 30.917 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

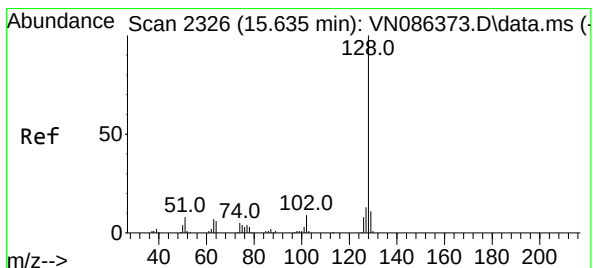
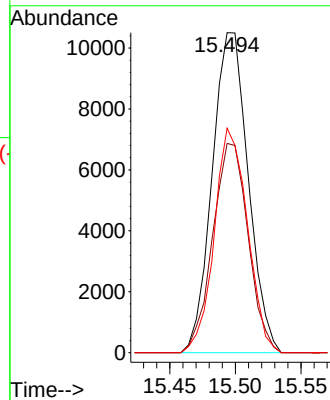
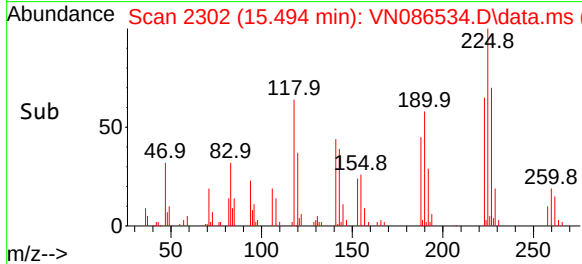
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion:225 Resp: 20068
Ion Ratio Lower Upper
225 100
223 64.2 0.0 128.8
227 64.4 0.0 120.2

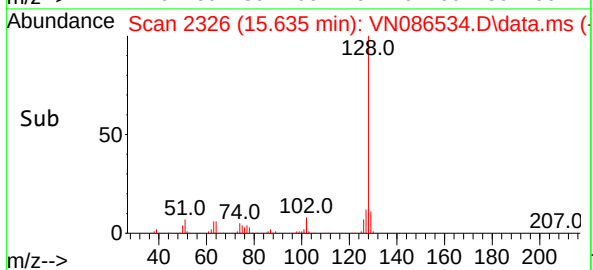
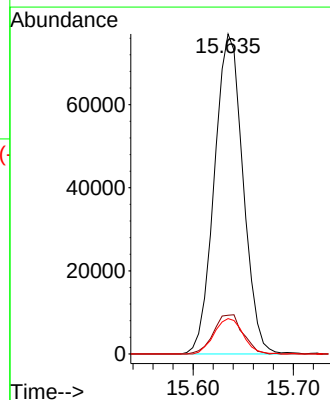
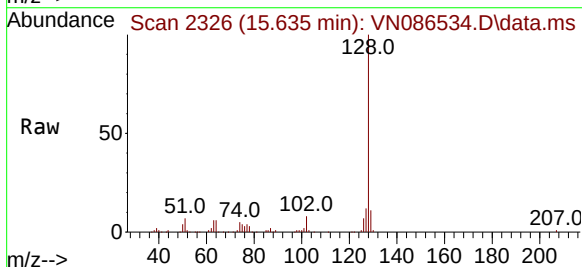
Manual Integrations
APPROVED

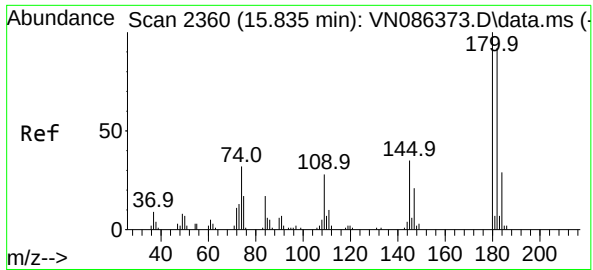
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#91
Naphthalene
Concen: 26.503 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

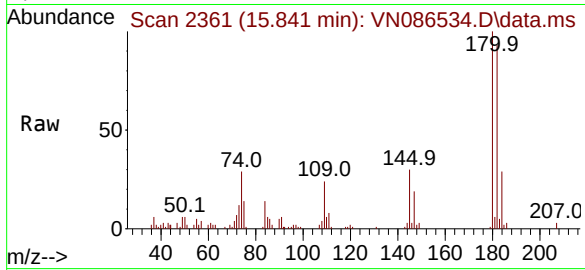
Tgt Ion:128 Resp: 152898
Ion Ratio Lower Upper
128 100
127 12.5 10.6 15.8
129 11.2 8.7 13.1





#92
1,2,3-Trichlorobenzene
Concen: 27.165 ug/l
RT: 15.841 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN086534.D
Acq: 07 May 2025 14:45

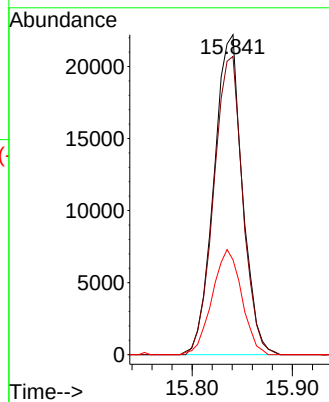
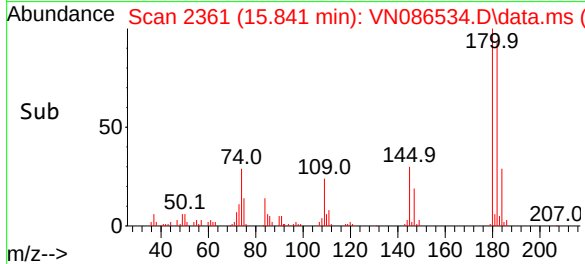
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MS



Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	0.0	187.0
145	34.1	0.0	67.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	05/01/25
Project:	Transfer Station-SPDES	Date Received:	05/02/25
Client Sample ID:	001-WILLETS-PT-BLVD(MAY)MSD	SDG No.:	Q1949
Lab Sample ID:	Q1949-03MSD	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086535.D	1		05/07/25 15:09	VN050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	20.4		0.45	5.00	ug/L
108-88-3	Toluene	48.0		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	21.3		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	45.4		1.30	10.0	ug/L
95-47-6	o-Xylene	22.8		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.0		91 - 110	93%	SPK: 30
2037-26-5	Toluene-d8	29.0		91 - 112	97%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.3		63 - 112	98%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	49300	7.812			
540-36-3	1,4-Difluorobenzene	288000	9.1			
3114-55-4	Chlorobenzene-d5	269000	11.865			

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\VN050725\
 Data File : VN086535.D
 Acq On : 07 May 2025 15:09
 Operator : JC\MD
 Sample : Q1949-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(MAY)MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

Quant Time: May 08 03:26:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	49262	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	288210	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	268601	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	132752	27.951	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.167%		
60) 4-Bromofluorobenzene	12.847	95	154477	29.262	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.533%		
63) Toluene-d8	10.565	98	429069	29.036	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	73031	21.473	ug/l	99
3) Chloromethane	2.359	50	81366	16.842	ug/l	96
4) Vinyl Chloride	2.512	62	86308	18.653	ug/l	100
5) Bromomethane	2.959	94	44142	18.273	ug/l	95
6) Chloroethane	3.118	64	57157	18.529	ug/l	96
7) Trichlorofluoromethane	3.500	101	119559	21.891	ug/l	98
8) Diethyl Ether	3.959	74	47568	20.633	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	72186	21.499	ug/l	98
10) 1,1-Dichloroethene	4.341	96	71891	20.919	ug/l	94
11) Methyl Iodide	4.589	142	75117	18.681	ug/l	97
12) Methyl Acetate	5.018	43	107400	22.048	ug/l	100
13) Acrolein	4.183	56	23602	99.284	ug/l	100
14) Acrylonitrile	5.718	53	193772	106.883	ug/l	99
15) Acetone	4.418	58	278377	557.244	ug/l	97
16) Carbon Disulfide	4.712	76	224609	24.803	ug/l	98
17) Allyl chloride	5.018	41	96743	17.605	ug/l	99
18) Methylene Chloride	5.277	84	82960	21.197	ug/l #	90
19) trans-1,2-Dichloroethene	5.788	96	75083	20.498	ug/l	97
20) Diisopropyl ether	6.671	45	245961	18.825	ug/l	94
21) 1,1-Dichloroethane	6.565	63	140166	19.598	ug/l	97
22) cis-1,2-Dichloroethene	7.482	96	95283	20.803	ug/l	92
23) tert-Butyl Alcohol	5.518	59	94653	134.776	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	261371	20.585	ug/l	98
25) Chloroform	7.965	83	154615	21.361	ug/l	96
26) Cyclohexane	8.253	56	119231	18.881	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	102942	20.261	ug/l	97
30) 2-Butanone	7.477	43	399267	161.901	ug/l	97
31) 2,2-Dichloropropane	7.488	77	130692	20.010	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	129176	21.276	ug/l	98
33) Carbon Tetrachloride	8.359	117	110768	22.162	ug/l	99
34) Benzene	8.600	78	330309	20.439	ug/l	98
35) Methacrylonitrile	7.771	41	66312	23.572	ug/l	96
36) 1,2-Dichloroethane	8.665	62	108822	20.741	ug/l	99
37) Trichloroethene	9.347	130	87624	21.659	ug/l	92
38) Methylcyclohexane	9.594	83	123858	21.107	ug/l	96
39) 1,2-Dichloropropane	9.618	63	78844	19.749	ug/l	97
40) Dibromomethane	9.706	93	56667	21.225	ug/l	92
41) Bromodichloromethane	9.882	83	118980	21.059	ug/l	99
42) Vinyl Acetate	6.600	43	878546	102.839	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086535.D
 Acq On : 07 May 2025 15:09
 Operator : JC\MD
 Sample : Q1949-03MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(MAY)MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

Quant Time: May 08 03:26:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	120049	24.598	ug/l	96
44) Isopropyl Acetate	8.682	43	197948	21.371	ug/l	100
45) 1,4-Dioxane	9.688	88	33163	458.882	ug/l	98
46) Methyl methacrylate	9.676	41	89298	20.900	ug/l	98
47) n-amyl Acetate	12.488	43	206170	26.115	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	125402	19.853	ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	129852	19.494	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	79591	21.342	ug/l	97
51) Ethyl methacrylate	10.870	69	141134	21.730	ug/l	94
52) 1,3-Dichloropropane	11.159	76	136425	20.699	ug/l	100
53) Dibromochloromethane	11.359	129	91955	21.959	ug/l	99
54) 1,2-Dibromoethane	11.465	107	84378	22.253	ug/l	99
56) Bromoform	12.576	173	64227	23.636	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	616690	118.644	ug/l	98
59) 2-Hexanone	11.194	43	449282	117.294	ug/l	98
61) Tetrachloroethene	11.100	164	80228	19.583	ug/l	97
62) Toluene	10.629	91	863228	48.013	ug/l	99
64) Chlorobenzene	11.888	112	241832	21.587	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	82715	22.082	ug/l	99
66) Ethyl Benzene	11.959	91	430270	21.261	ug/l	99
67) m/p-Xylenes	12.065	106	348628	45.402	ug/l	100
68) o-Xylene	12.394	106	171071	22.754	ug/l	96
69) Styrene	12.406	104	270501	21.227	ug/l	99
70) Isopropylbenzene	12.694	105	399845	21.305	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	120224	24.329	ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	110404m	25.626	ug/l	
73) Bromobenzene	12.976	156	98442	22.815	ug/l	91
74) n-propylbenzene	13.029	91	471404	21.138	ug/l	98
75) 2-Chlorotoluene	13.123	91	294086	21.124	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	332785	21.610	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	39226	17.940	ug/l	99
78) 4-Chlorotoluene	13.217	91	292201	20.991	ug/l	97
79) tert-butylbenzene	13.435	119	294883	22.359	ug/l	97
80) 1,2,4-Trimethylbenzene	13.476	105	345713	21.982	ug/l	98
81) sec-Butylbenzene	13.611	105	413629	21.971	ug/l	98
82) p-Isopropyltoluene	13.723	119	356004	22.599	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	179575	22.017	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	178292	22.125	ug/l	99
85) n-Butylbenzene	14.053	91	305551	21.738	ug/l	98
86) Hexachloroethane	14.329	117	54266	21.067	ug/l	95
87) 1,2-Dichlorobenzene	14.106	146	170663	21.991	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	23322	23.219	ug/l	90
89) 1,2,4-Trichlorobenzene	15.835	180	82003	23.184	ug/l	98
90) Hexachlorobutadiene	15.500	225	37526	26.338	ug/l	98
91) Naphthalene	15.635	128	301103	23.778	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	82003	23.184	ug/l	98

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

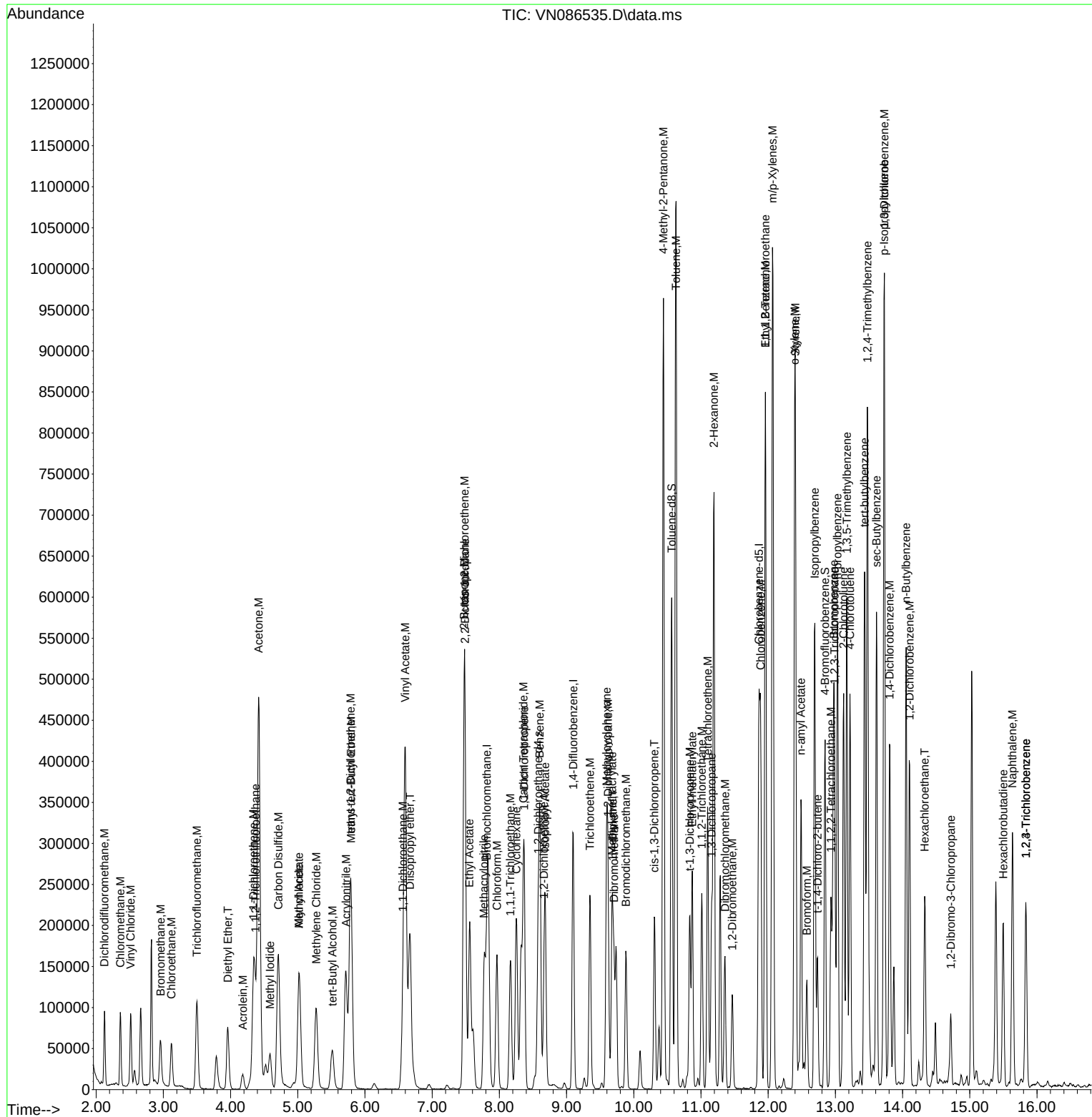
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
Data File : VN086535.D
Acq On : 07 May 2025 15:09
Operator : JC\MD
Sample : Q1949-03MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

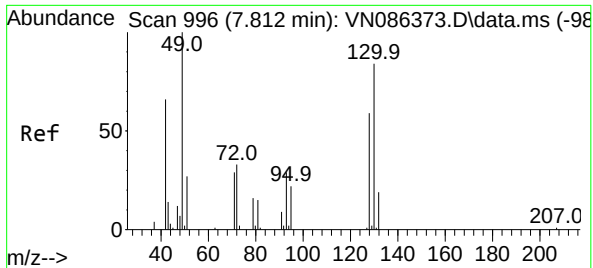
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD

Manual Integrations
APPROVED

Reviewed By : John Carlone 05/08/2025
Supervised By : Mahesh Dadoda 05/08/2025

Quant Time: May 08 03:26:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration





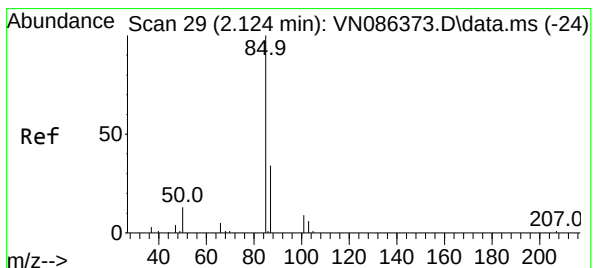
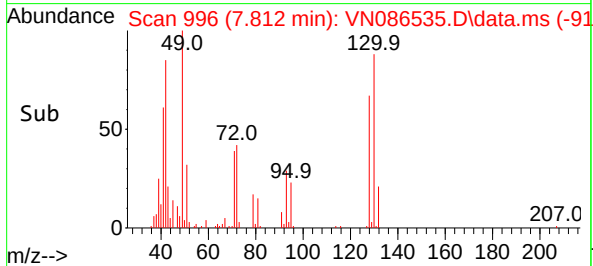
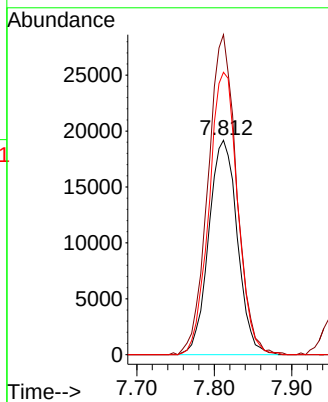
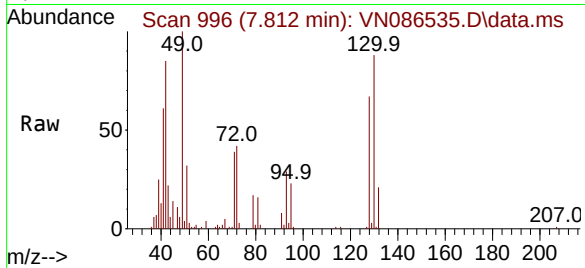
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion	Ratio	Lower	Upper
128	100		
49	148.9	0.0	433.8
130	131.6	0.0	325.0

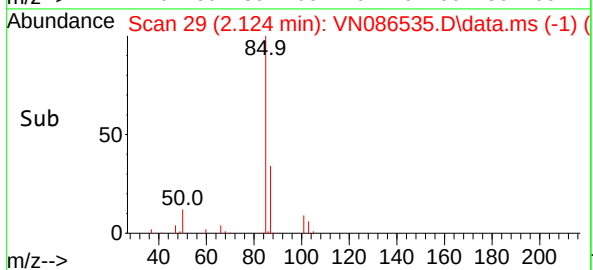
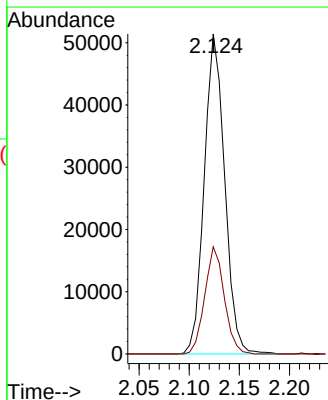
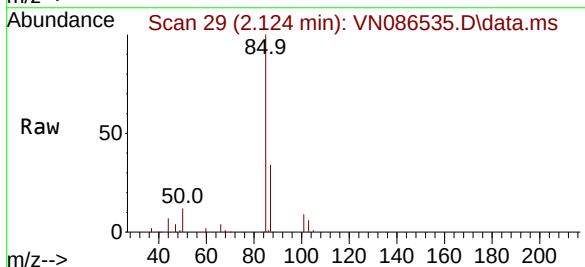
Manual Integrations
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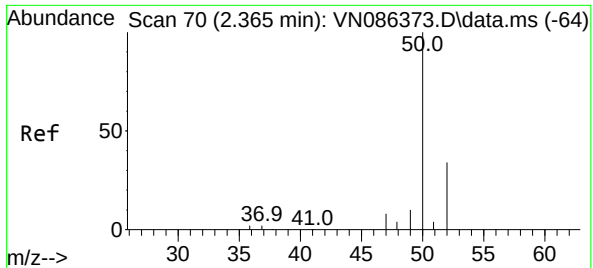
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#2
Dichlorodifluoromethane
Concen: 21.473 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	17.0	50.9





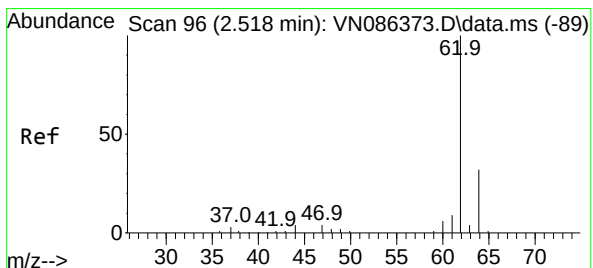
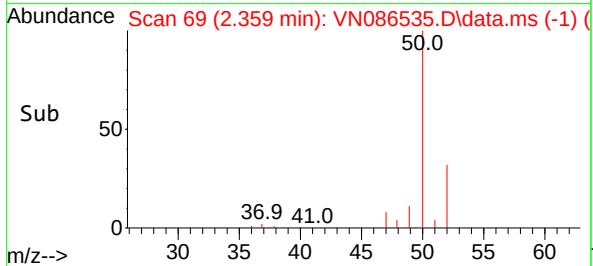
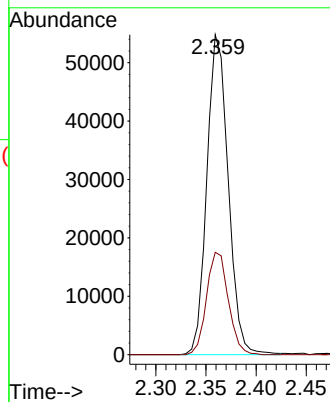
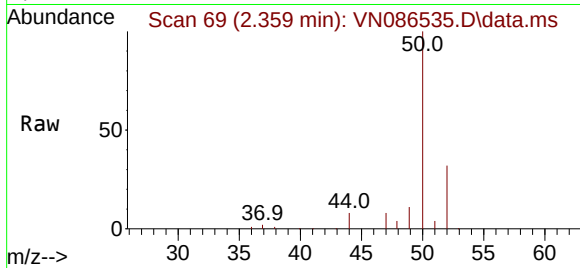
#3
Chloromethane
Concen: 16.842 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion: 50 Resp: 81360
Ion Ratio Lower Upper
50 100
52 32.0 27.3 40.9

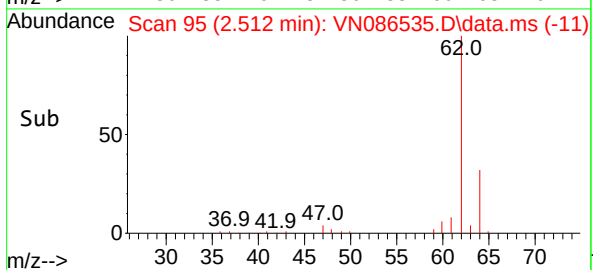
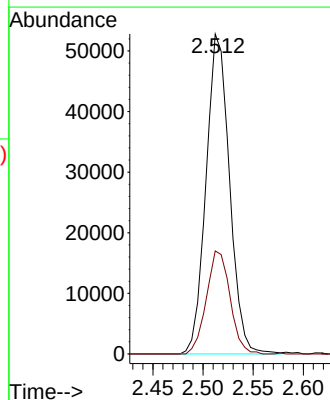
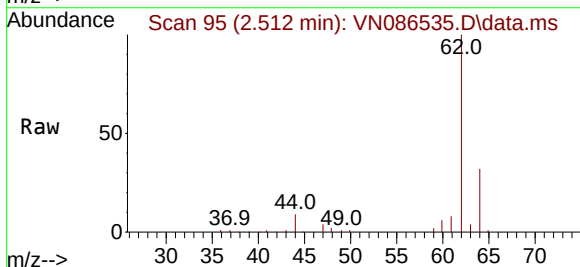
Manual Integrations
APPROVED

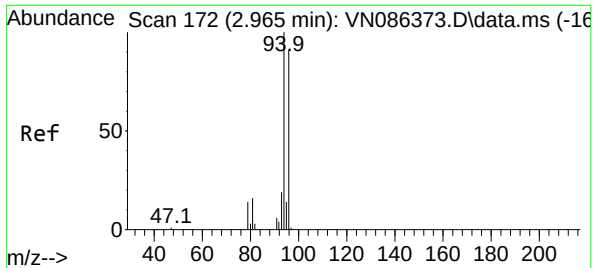
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#4
Vinyl Chloride
Concen: 18.653 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion: 62 Resp: 86308
Ion Ratio Lower Upper
62 100
64 32.2 25.8 38.8





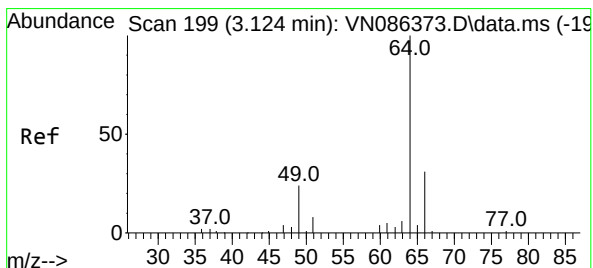
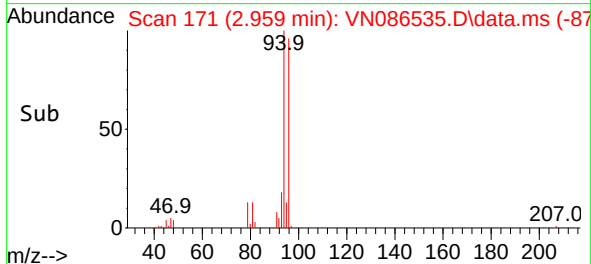
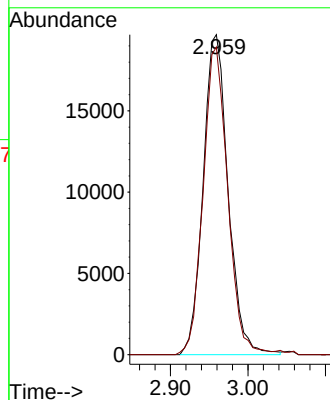
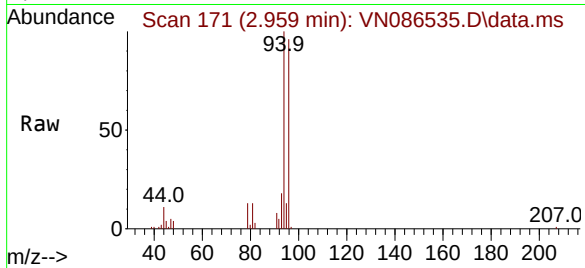
#5
Bromomethane
Concen: 18.273 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion: 94 Resp: 4414
Ion Ratio Lower Upper
94 100
96 95.4 72.4 108.6

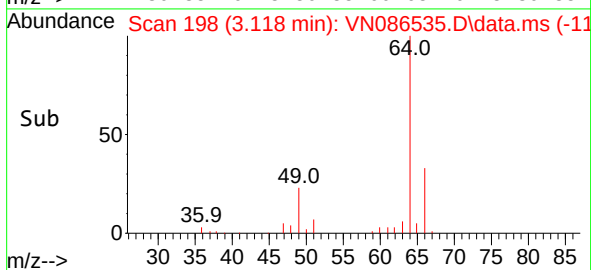
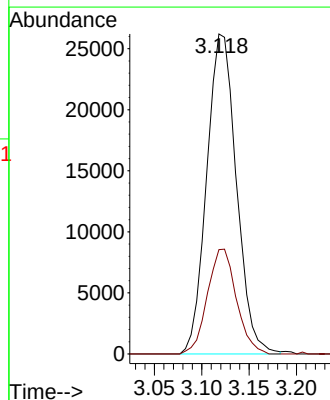
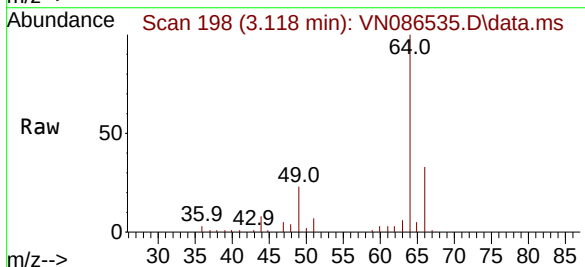
Manual Integrations
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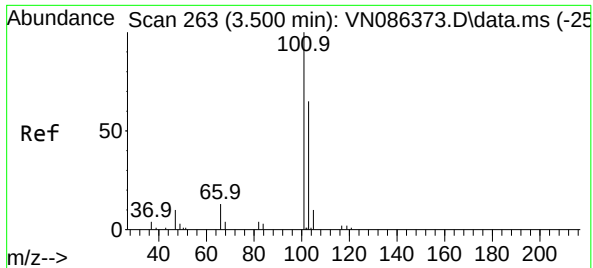
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#6
Chloroethane
Concen: 18.529 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion: 64 Resp: 57157
Ion Ratio Lower Upper
64 100
66 32.6 24.5 36.7





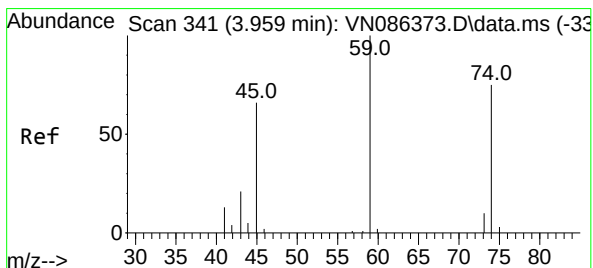
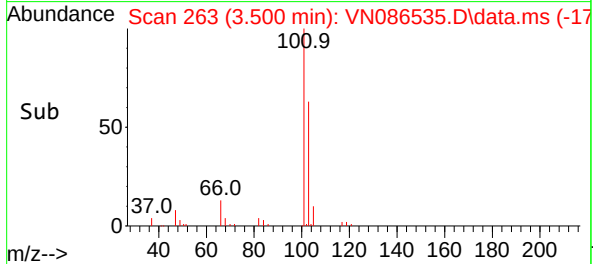
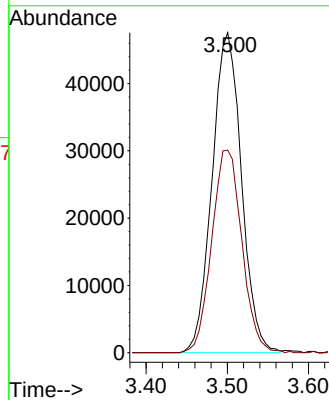
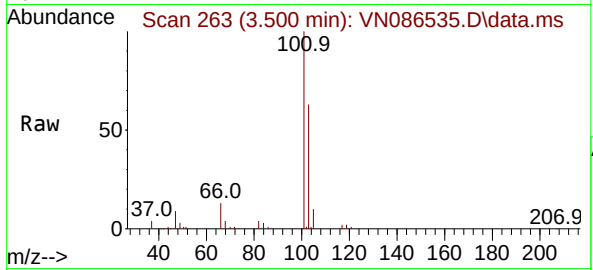
#7
Trichlorofluoromethane
Concen: 21.891 ug/l
RT: 3.500 min Scan# 263
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion:101 Resp: 11955
Ion Ratio Lower Upper
101 100
103 63.3 51.8 77.6

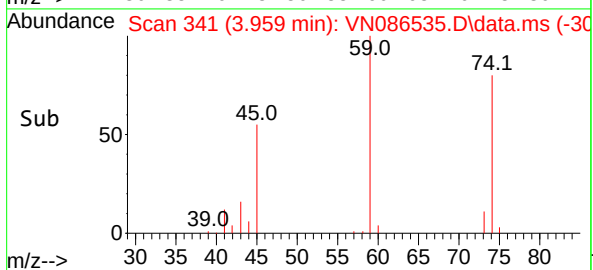
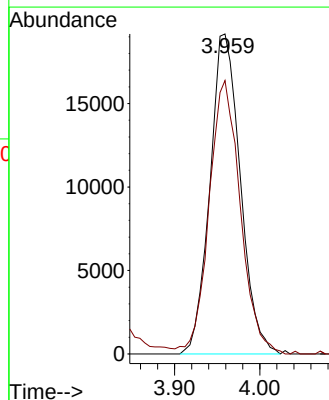
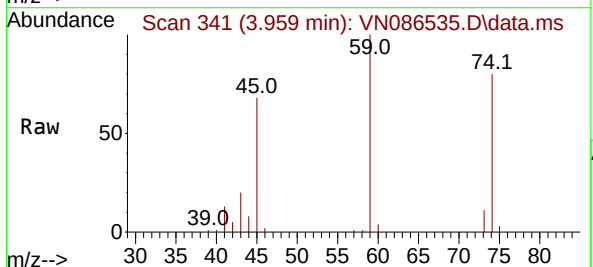
Manual Integrations
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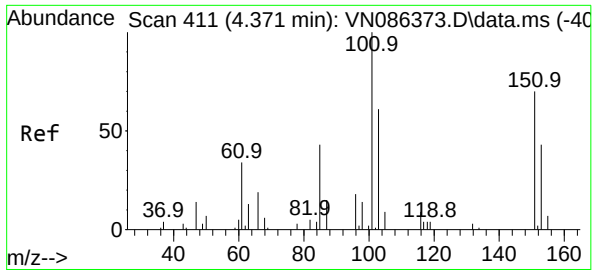
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#8
Diethyl Ether
Concen: 20.633 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion: 74 Resp: 47568
Ion Ratio Lower Upper
74 100
45 87.5 18.5 166.3





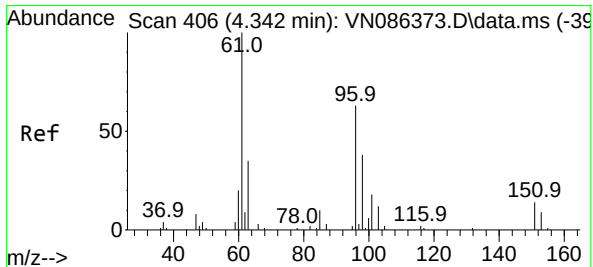
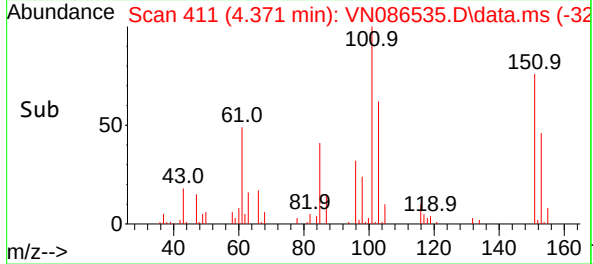
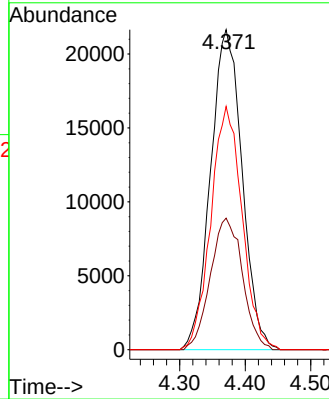
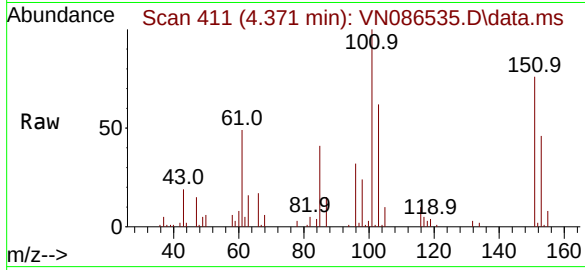
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.499 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion:101 Resp: 72186
Ion Ratio Lower Upper
101 100
85 41.9 0.0 84.4
151 75.5 0.0 145.8

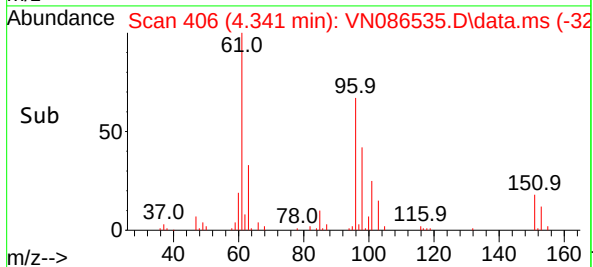
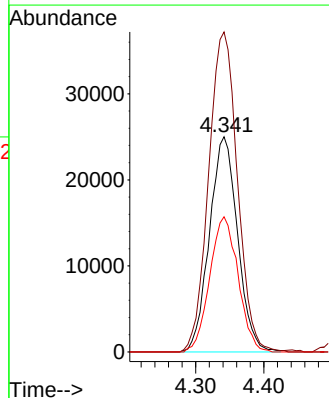
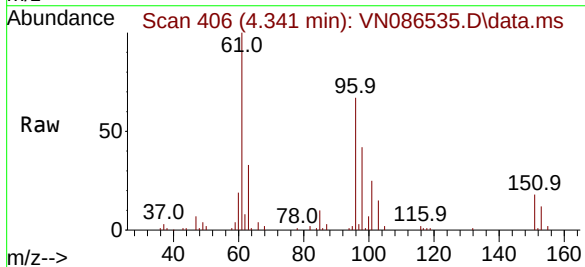
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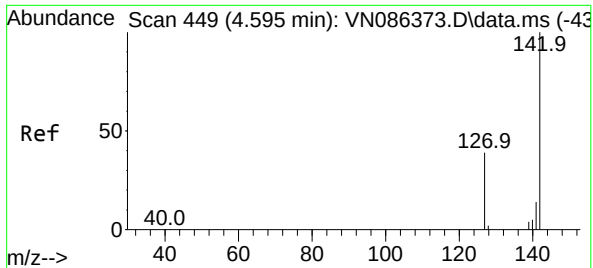
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#10
1,1-Dichloroethene
Concen: 20.919 ug/l
RT: 4.341 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion: 96 Resp: 71891
Ion Ratio Lower Upper
96 100
61 148.7 126.2 189.4
98 62.8 48.5 72.7





#11

Methyl Iodide

Concen: 18.681 ug/l

RT: 4.589 min Scan# 449

Delta R.T. -0.006 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MSD

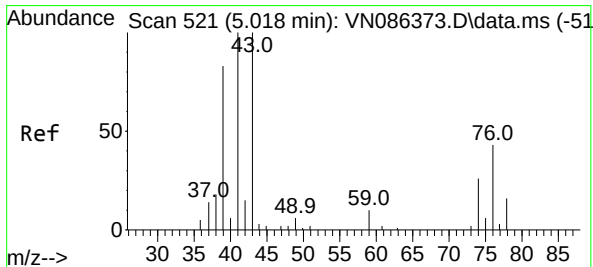
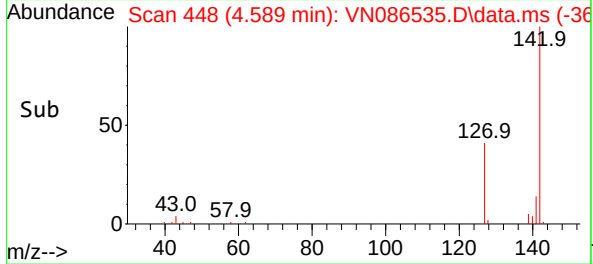
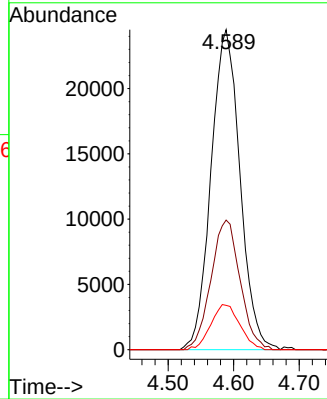
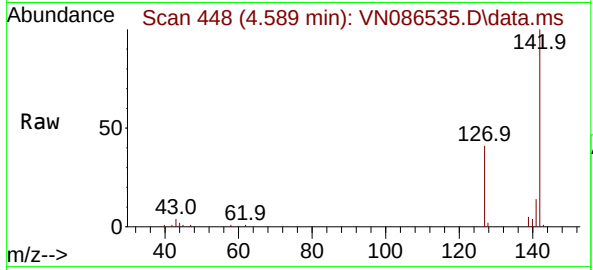
Tgt Ion:	142	Resp:	7511
Ion Ratio	Lower	Upper	
142	100		
127	40.5	19.3	57.9
141	13.9	7.1	21.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#12

Methyl Acetate

Concen: 22.048 ug/l

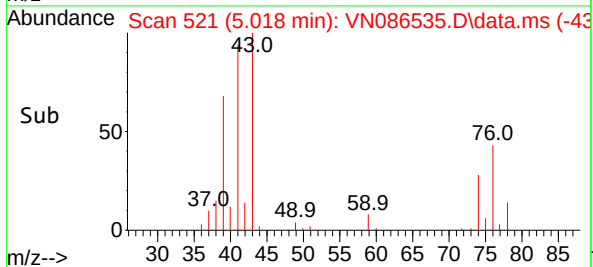
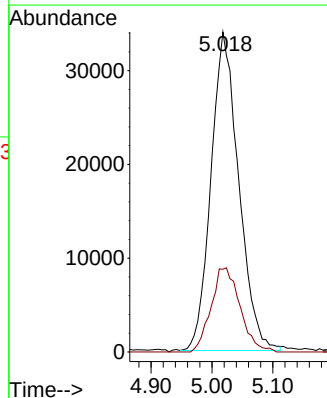
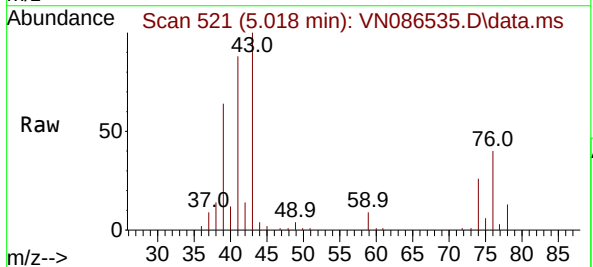
RT: 5.018 min Scan# 521

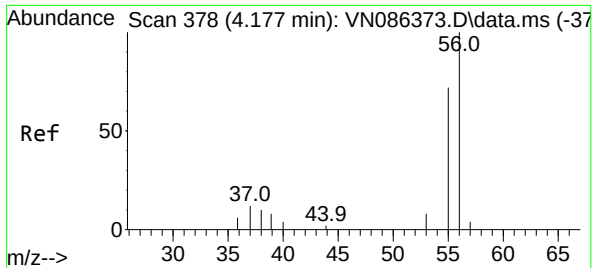
Delta R.T. -0.000 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

Tgt Ion:	43	Resp:	107400
Ion Ratio	Lower	Upper	
43	100		
74	26.1	20.8	31.2





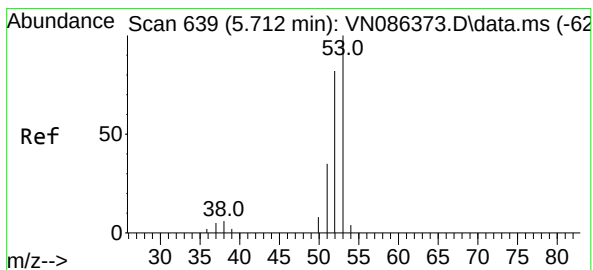
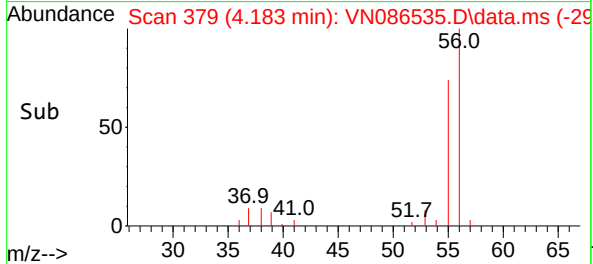
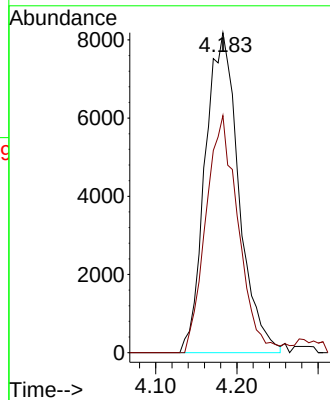
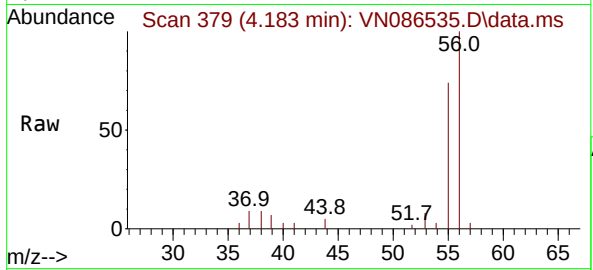
#13
Acrolein
Concen: 99.284 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion: 56 Resp: 23602
Ion Ratio Lower Upper
56 100
55 70.1 56.1 84.1

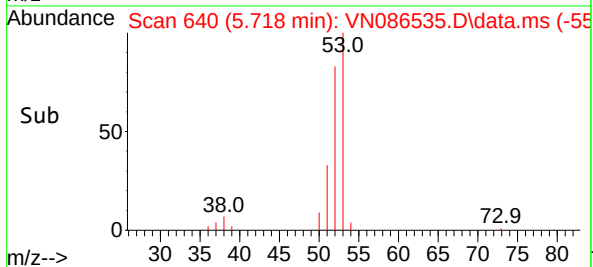
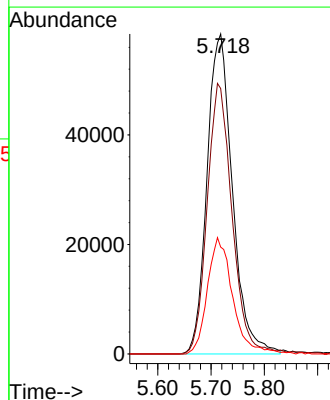
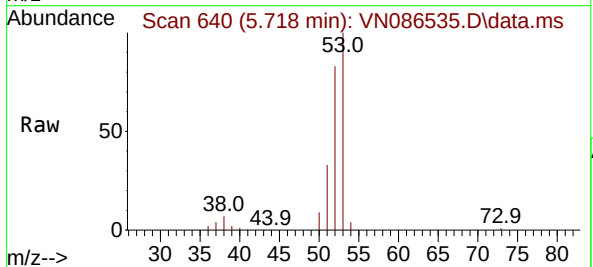
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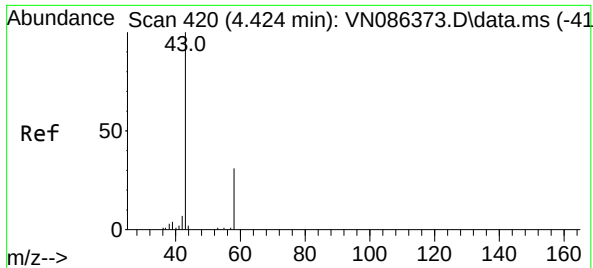
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#14
Acrylonitrile
Concen: 106.883 ug/l
RT: 5.718 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

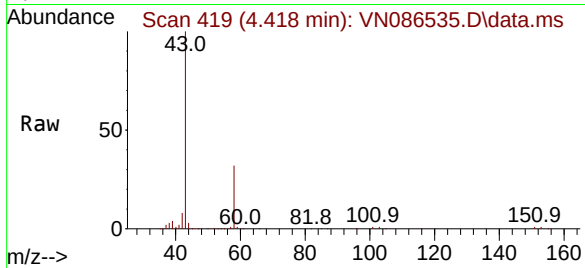
Tgt Ion: 53 Resp: 193772
Ion Ratio Lower Upper
53 100
52 82.3 41.2 123.6
51 36.2 17.6 52.8





#15
Acetone
Concen: 557.244 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

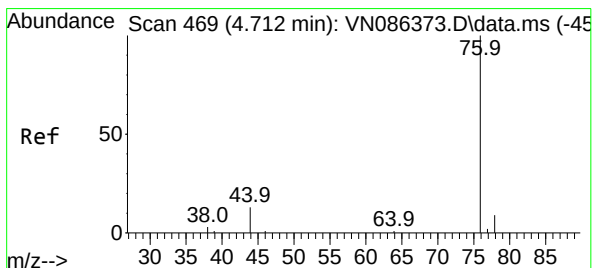
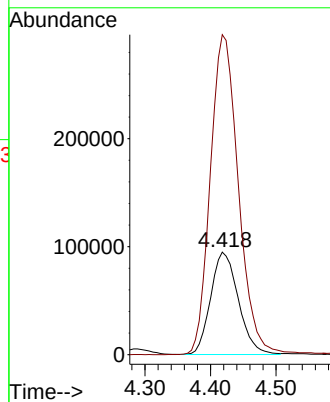
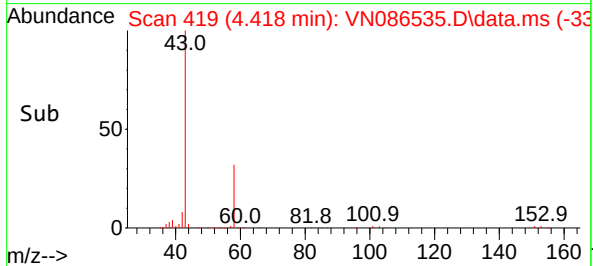
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion: 58 Resp: 27837
Ion Ratio Lower Upper
58 100
43 312.1 255.1 382.7

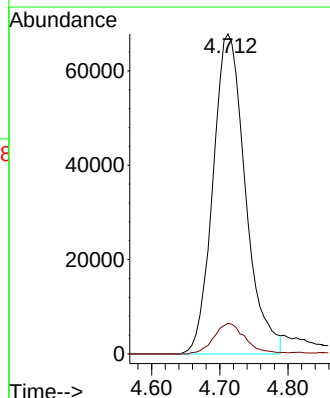
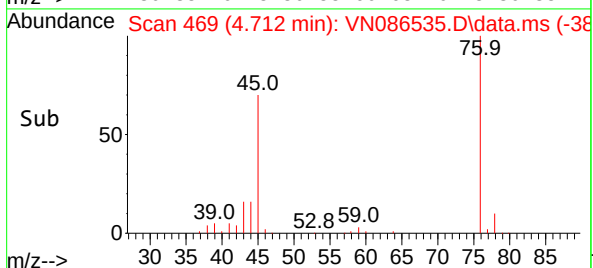
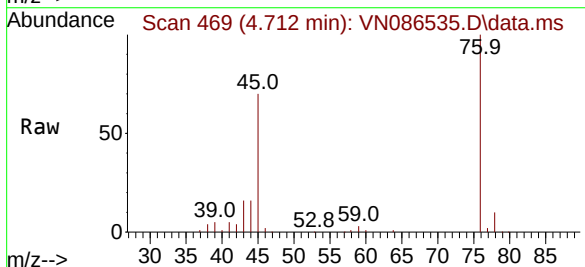
Manual Integrations
APPROVED

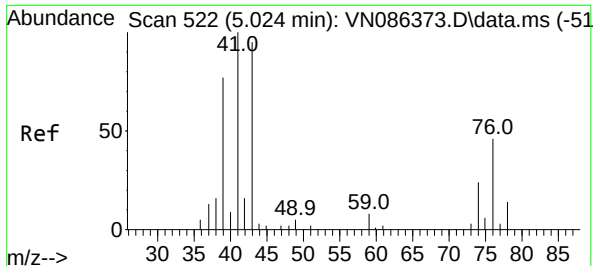
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#16
Carbon Disulfide
Concen: 24.803 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion: 76 Resp: 224609
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7





#17

Allyl chloride

Concen: 17.605 ug/l

RT: 5.018 min Scan# 521

Delta R.T. -0.006 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MSD

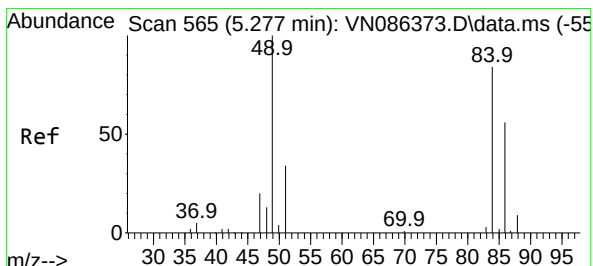
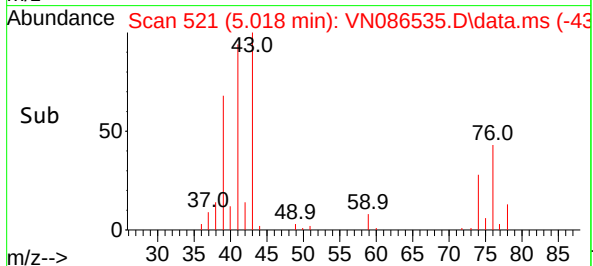
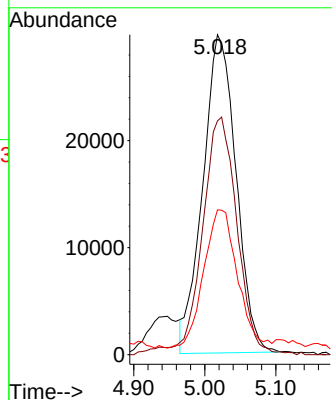
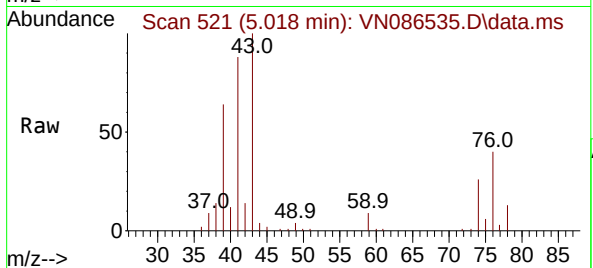
Tgt Ion:	41	Resp:	9674
Ion	Ratio	Lower	Upper
41	100		
39	72.7	36.7	110.1
76	42.7	21.8	65.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#18

Methylene Chloride

Concen: 21.197 ug/l

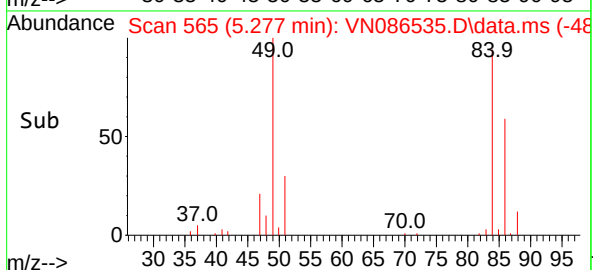
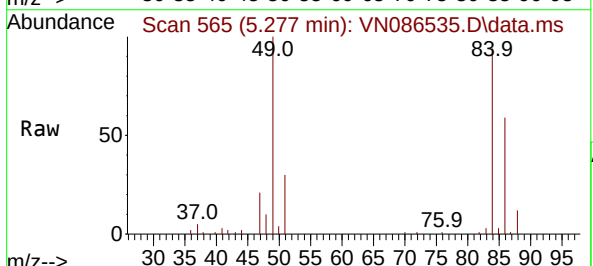
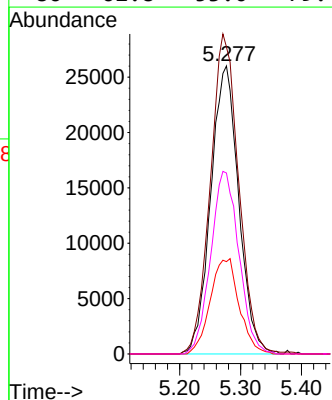
RT: 5.277 min Scan# 565

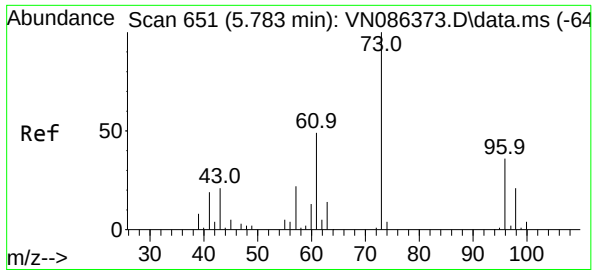
Delta R.T. -0.000 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

Tgt Ion:	84	Resp:	82960
Ion	Ratio	Lower	Upper
84	100		
49	106.6	95.4	143.0
51	32.0	32.8	49.2#
86	62.8	53.0	79.4





#19

trans-1,2-Dichloroethene

Concen: 20.498 ug/l

RT: 5.788 min Scan# 651

Delta R.T. 0.006 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MSD

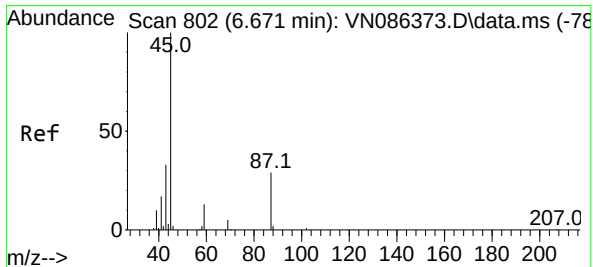
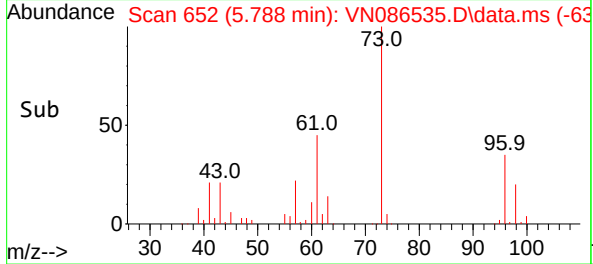
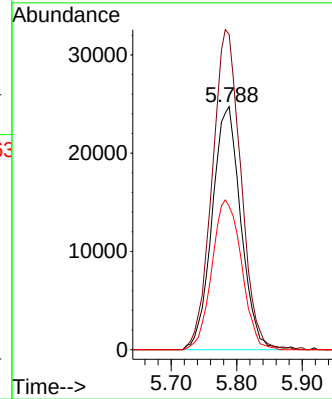
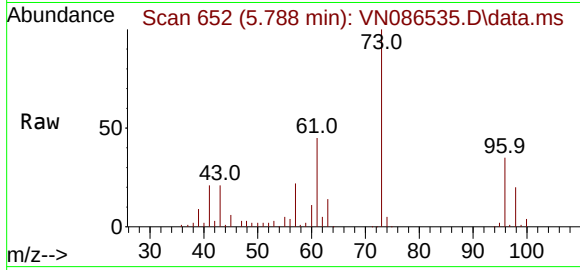
Tgt Ion:	96	Resp:	75083
Ion	Ratio	Lower	Upper
96	100		
61	129.7	107.3	160.9
98	59.0	46.7	70.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#20

Diisopropyl ether

Concen: 18.825 ug/l

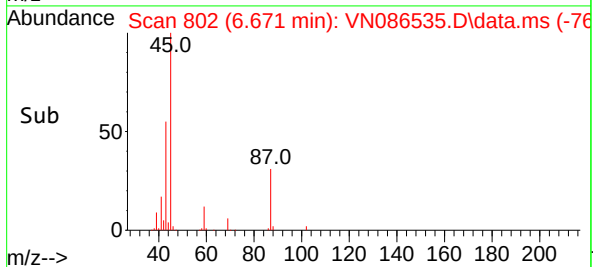
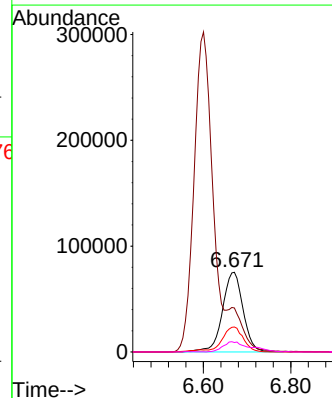
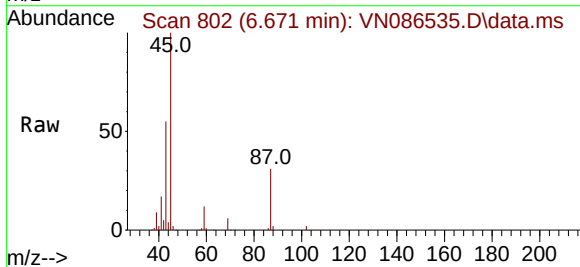
RT: 6.671 min Scan# 802

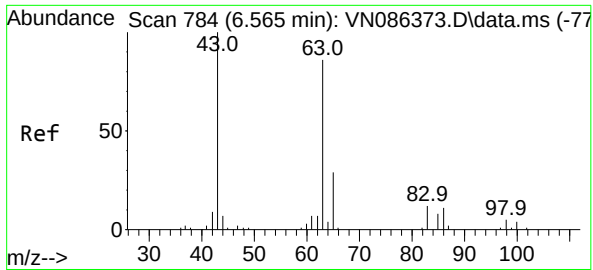
Delta R.T. -0.000 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

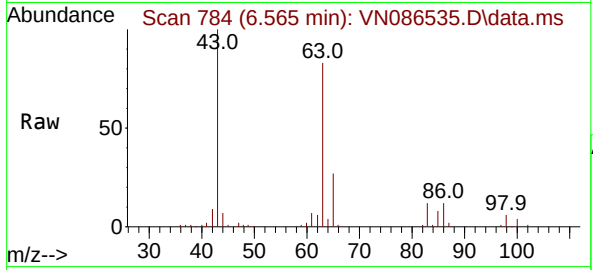
Tgt Ion:	45	Resp:	245961
Ion	Ratio	Lower	Upper
45	100		
43	54.3	38.8	58.2
87	31.5	23.5	35.3
59	11.6	10.0	15.0





#21
1,1-Dichloroethane
Concen: 19.598 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

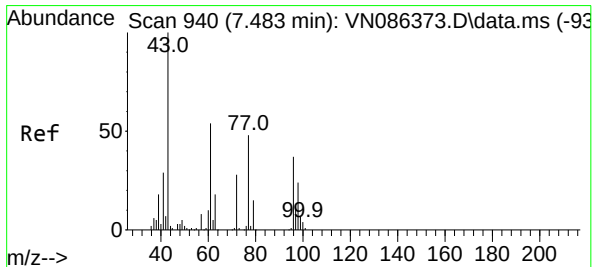
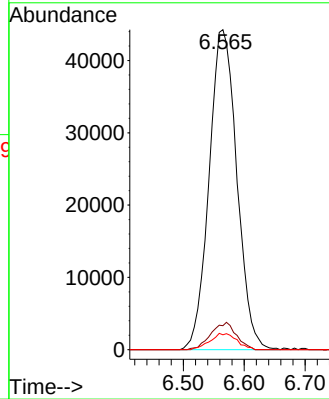
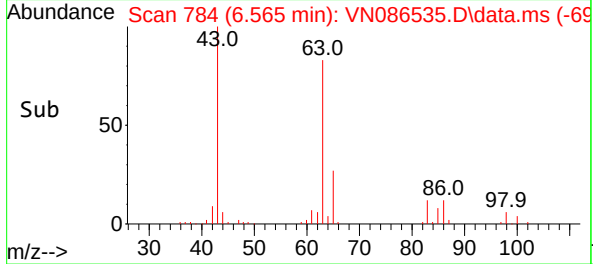
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion: 63 Resp: 140160
Ion Ratio Lower Upper
63 100
98 7.5 3.0 9.2
100 4.6 2.3 6.8

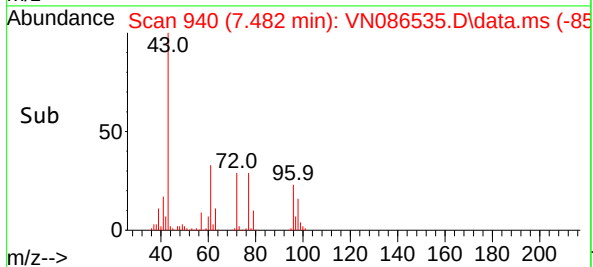
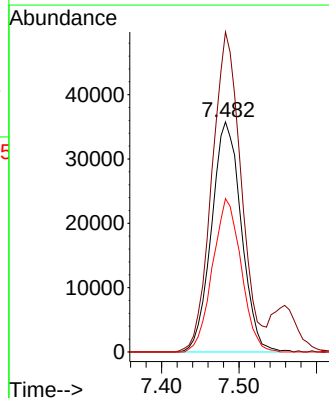
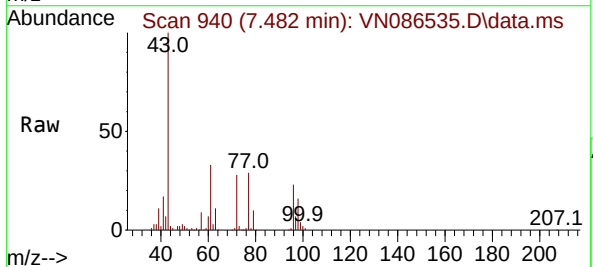
Manual Integrations
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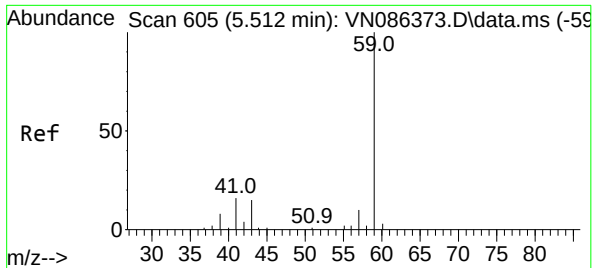
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#22
cis-1,2-Dichloroethene
Concen: 20.803 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion: 96 Resp: 95283
Ion Ratio Lower Upper
96 100
61 137.0 120.6 181.0
98 64.2 51.8 77.6





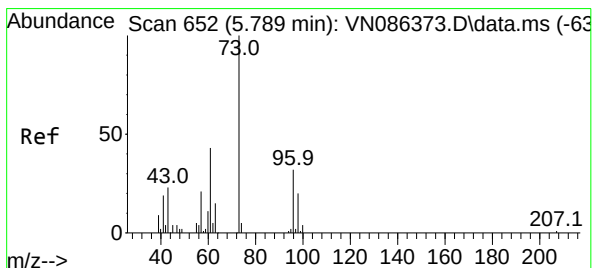
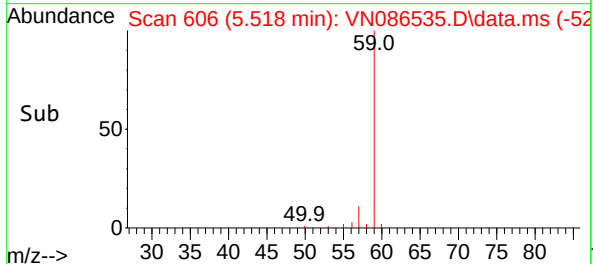
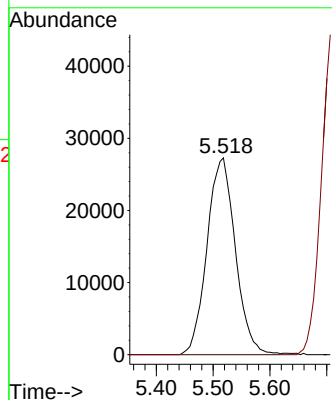
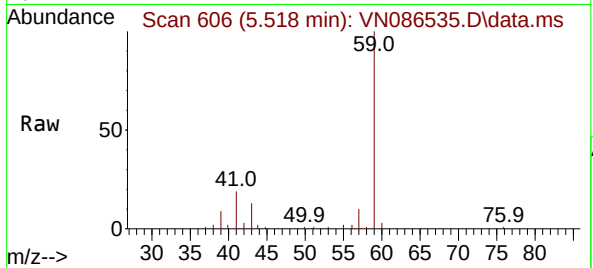
#23
tert-Butyl Alcohol
Concen: 134.776 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion: 59 Resp: 9465
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

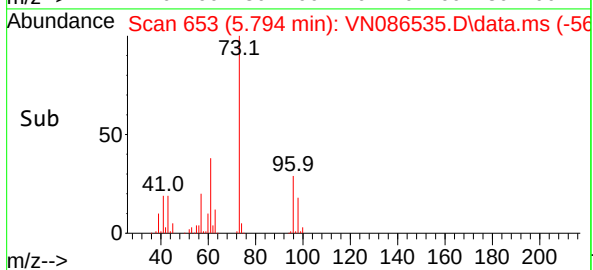
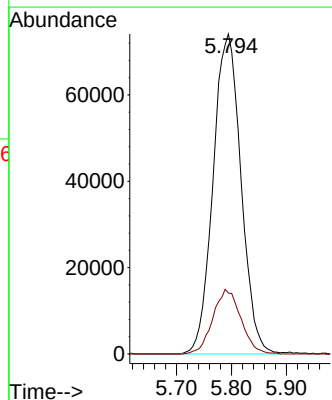
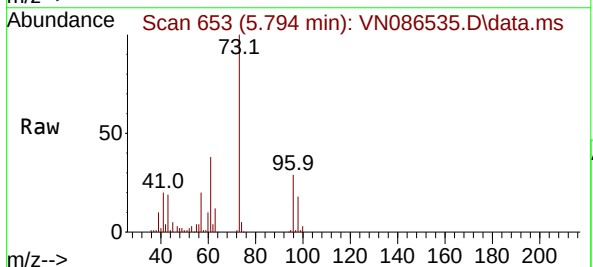
Manual Integrations
APPROVED

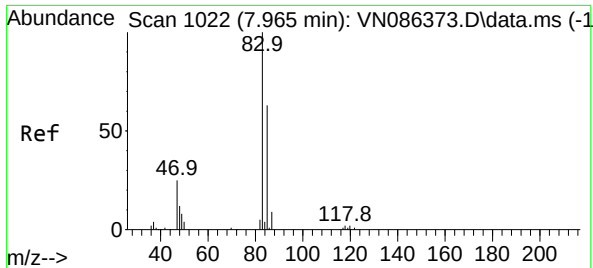
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#24
Methyl tert-Butyl Ether
Concen: 20.585 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion: 73 Resp: 261371
Ion Ratio Lower Upper
73 100
43 20.3 17.1 25.7





#25

Chloroform

Concen: 21.361 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion: 83 Resp: 15461

Ion Ratio Lower Upper

83 100

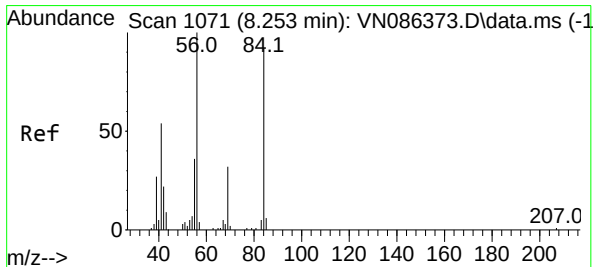
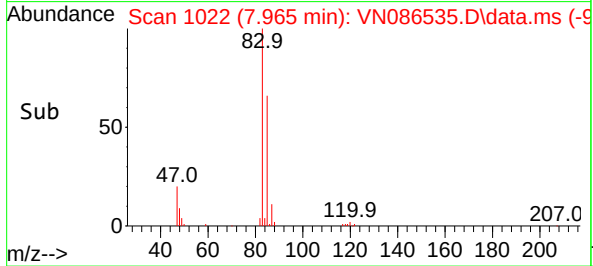
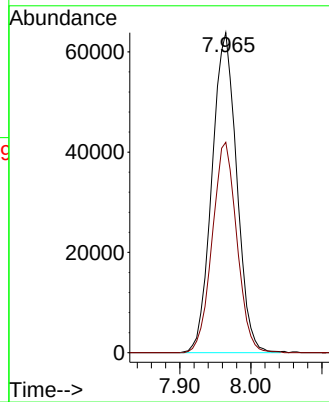
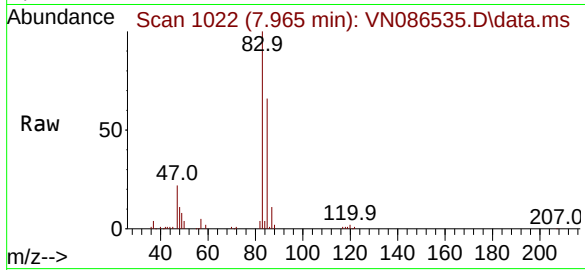
85 65.7 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#26

Cyclohexane

Concen: 18.881 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

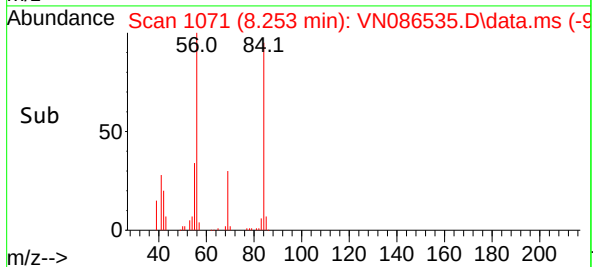
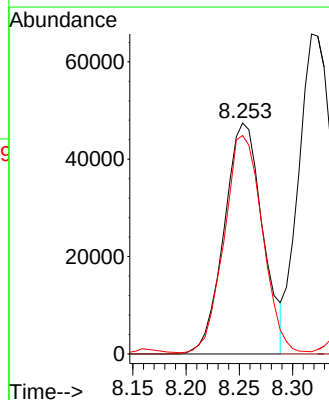
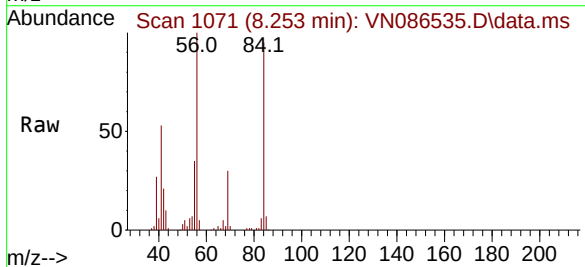
Tgt Ion: 56 Resp: 119231

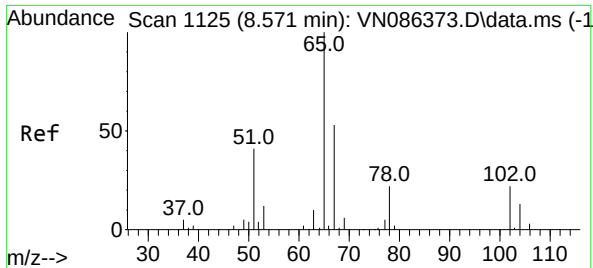
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 94.9 71.5 107.3





#27

1,2-Dichloroethane-d4

Concen: 27.951 ug/l

RT: 8.576 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion: 65 Resp: 132752

Ion Ratio Lower Upper

65 100

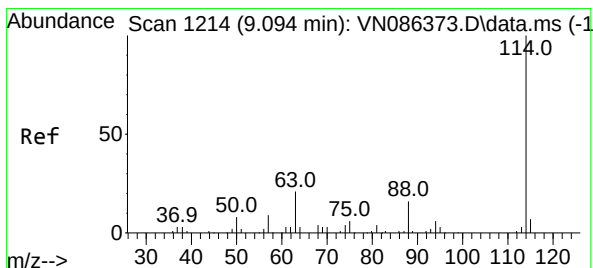
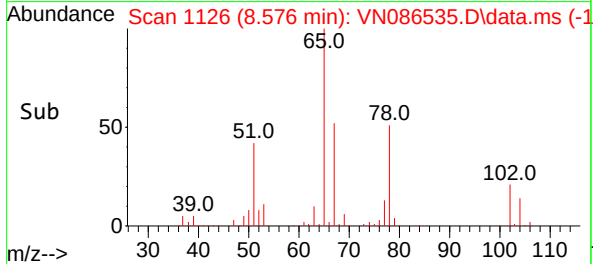
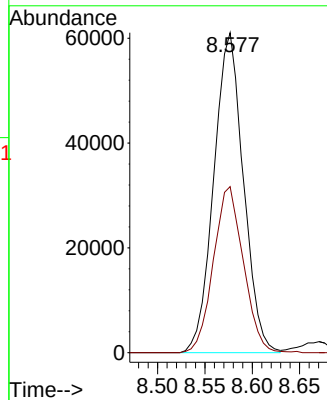
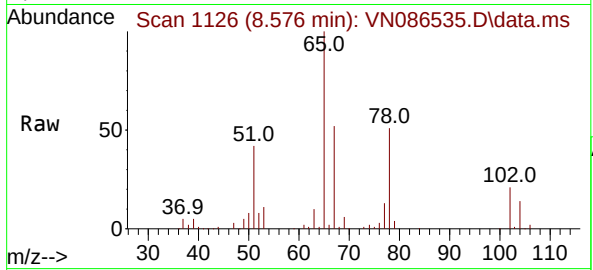
67 52.5 42.5 63.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

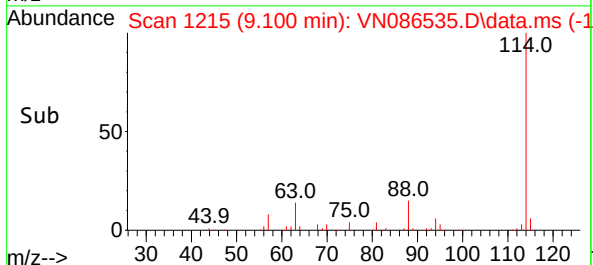
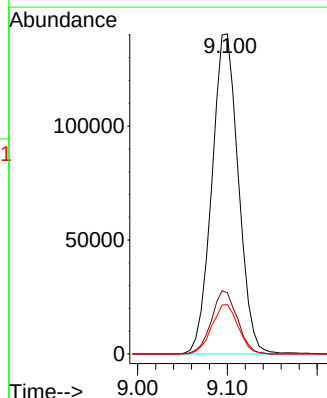
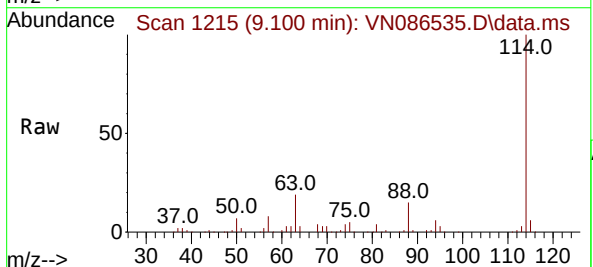
Tgt Ion:114 Resp: 288210

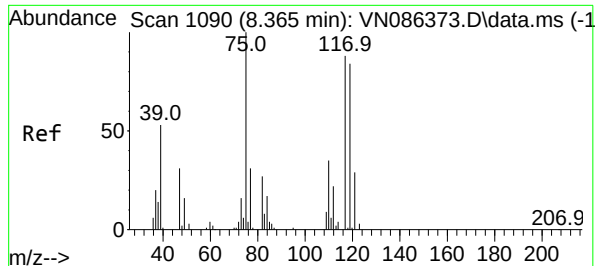
Ion Ratio Lower Upper

114 100

63 19.3 16.7 25.1

88 15.4 12.6 19.0





#29

1,1-Dichloropropene

Concen: 20.261 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MSD

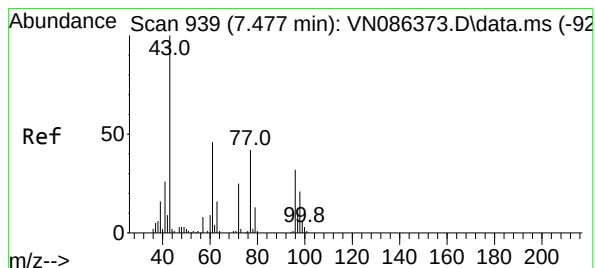
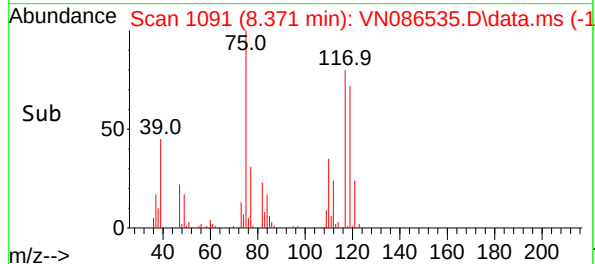
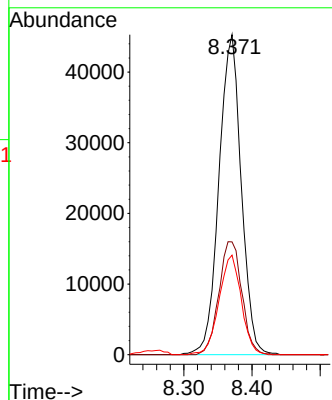
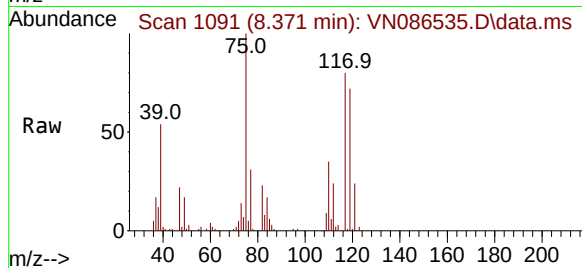
Tgt Ion:	75	Resp:	10294
Ion Ratio	Lower	Upper	
75	100		
110	36.4	0.0	68.0
77	31.1	0.0	61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#30

2-Butanone

Concen: 161.901 ug/l

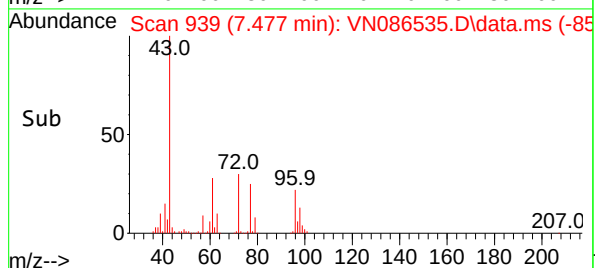
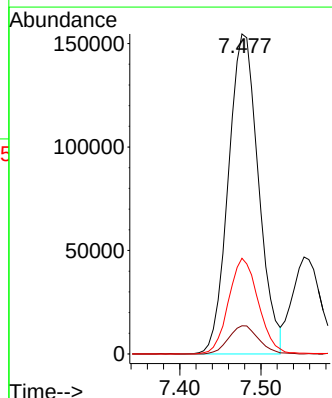
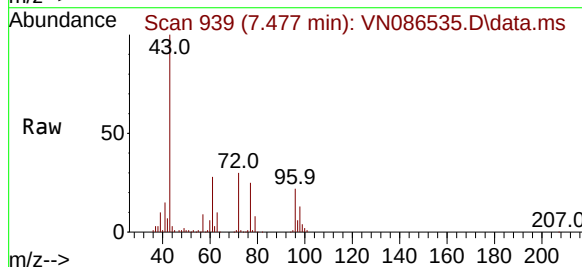
RT: 7.477 min Scan# 939

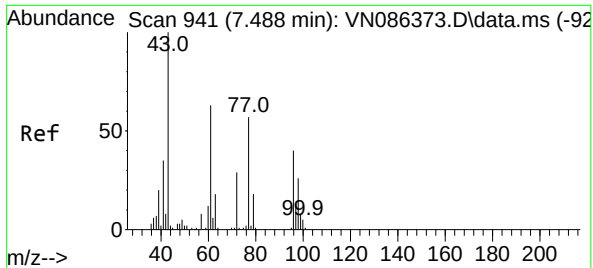
Delta R.T. -0.000 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

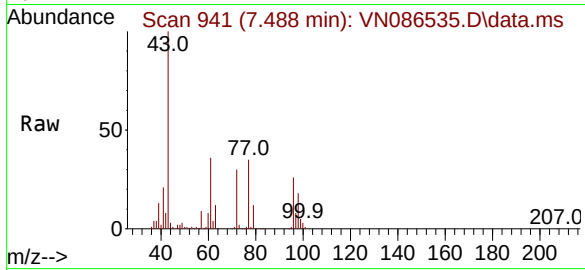
Tgt Ion:	43	Resp:	399267
Ion Ratio	Lower	Upper	
43	100		
57	8.8	6.6	10.0
72	29.5	22.2	33.4





#31
2,2-Dichloropropane
Concen: 20.010 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

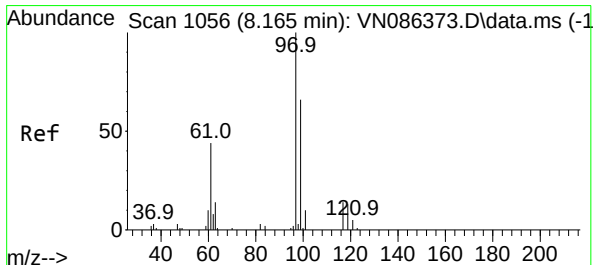
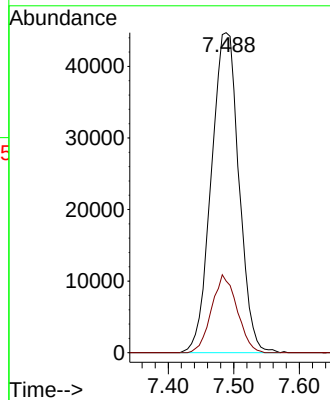
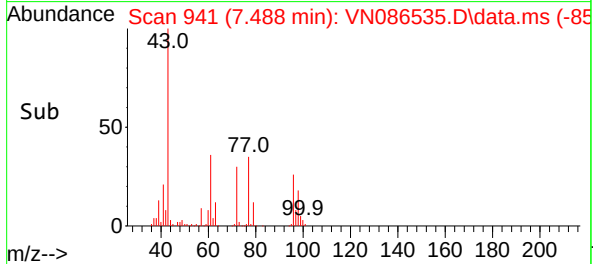
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion: 77 Resp: 130692
Ion Ratio Lower Upper
77 100
97 22.5 18.2 27.2

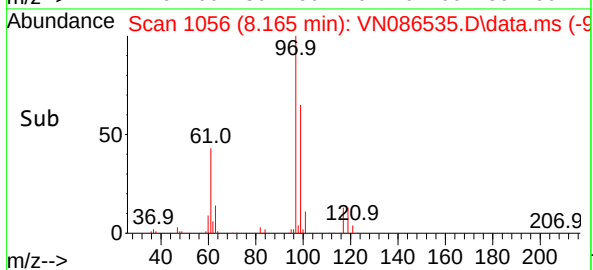
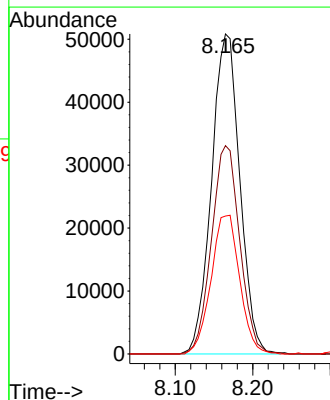
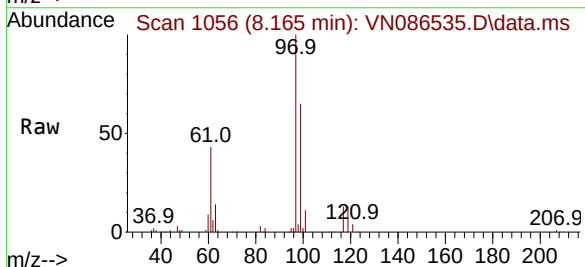
Manual Integrations
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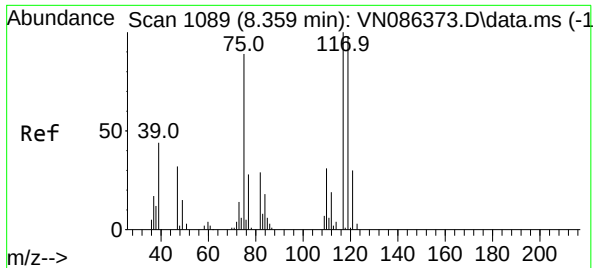
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#32
1,1,1-Trichloroethane
Concen: 21.276 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

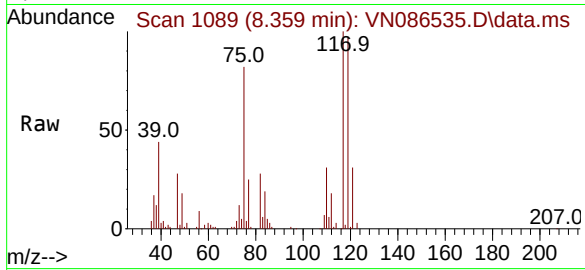
Tgt Ion: 97 Resp: 129176
Ion Ratio Lower Upper
97 100
99 64.9 52.6 79.0
61 43.8 36.4 54.6





#33
Carbon Tetrachloride
Concen: 22.162 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

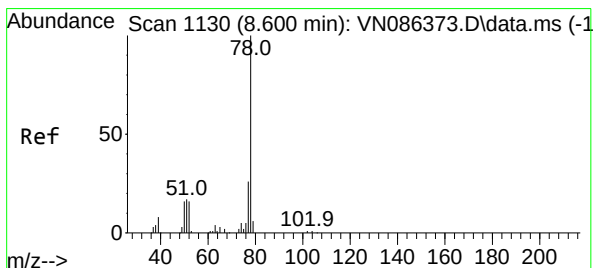
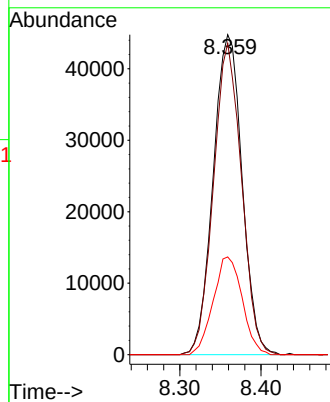
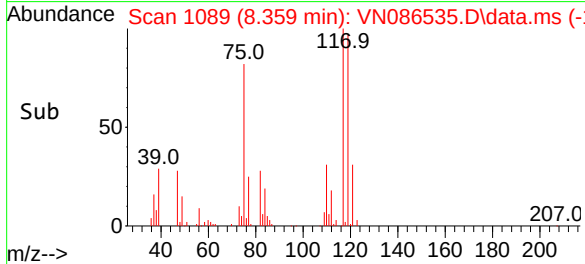
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion: 117 Resp: 110768
Ion Ratio Lower Upper
117 100
119 97.4 78.6 117.8
121 30.6 24.0 36.0

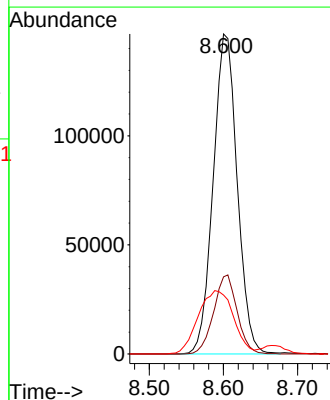
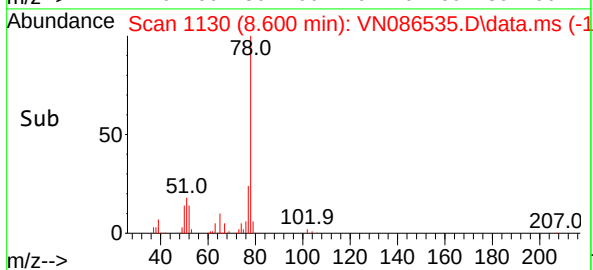
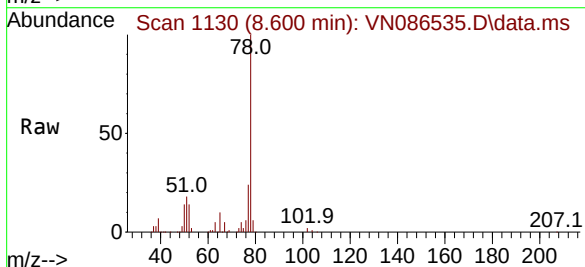
Manual Integrations
APPROVED

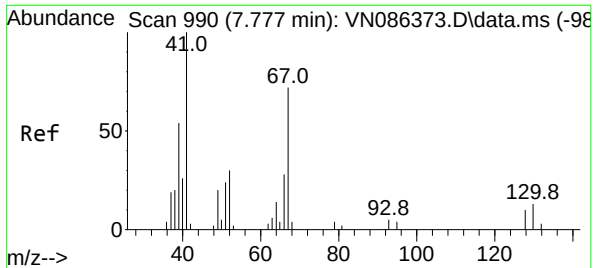
Reviewed By : John Carlone 05/08/2025
Supervised By : Mahesh Dadoda 05/08/2025



#34
Benzene
Concen: 20.439 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion: 78 Resp: 330309
Ion Ratio Lower Upper
78 100
77 24.1 20.8 31.2
51 17.5 14.0 21.0





#35

Methacrylonitrile

Concen: 23.572 ug/l

RT: 7.771 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion: 41 Resp: 6631

Ion Ratio Lower Upper

41 100

39 52.2 27.0 80.8

67 68.8 35.8 107.3

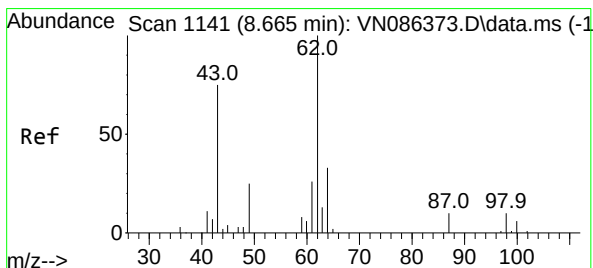
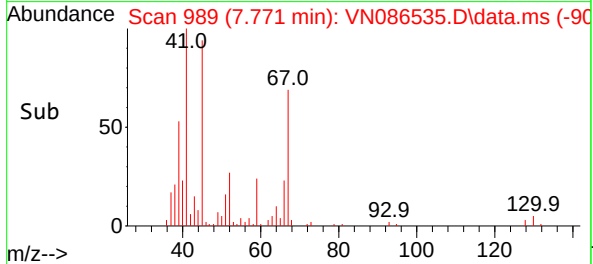
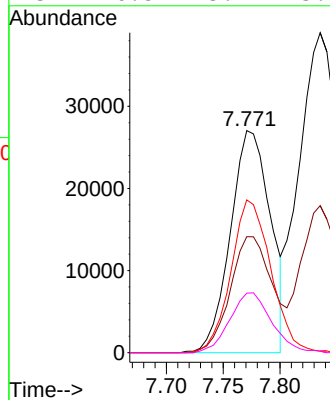
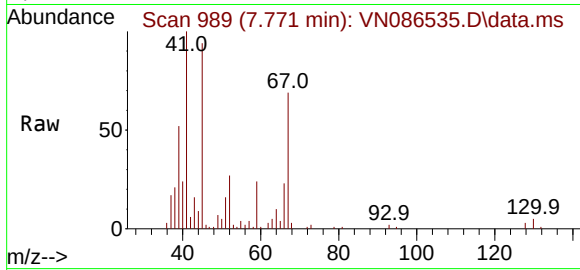
52 26.8 15.2 45.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#36

1,2-Dichloroethane

Concen: 20.741 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN086535.D

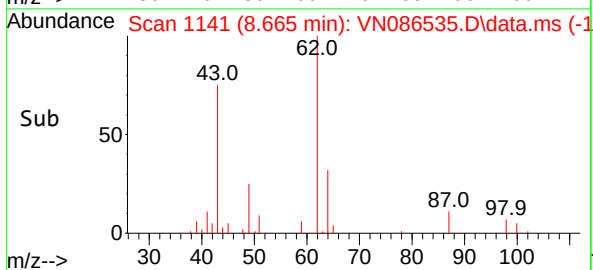
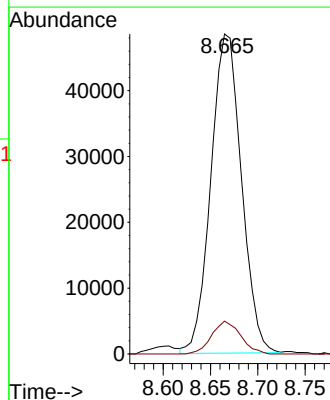
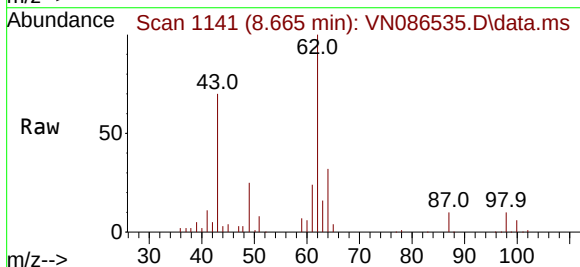
Acq: 07 May 2025 15:09

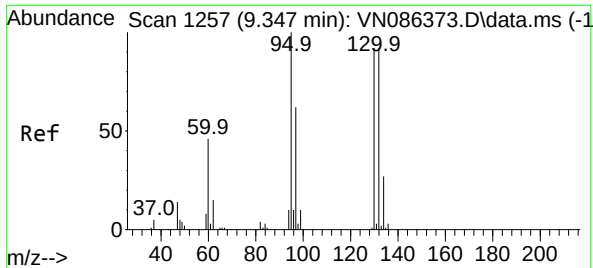
Tgt Ion: 62 Resp: 108822

Ion Ratio Lower Upper

62 100

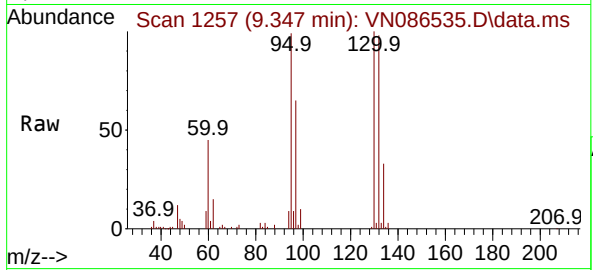
98 9.8 7.6 11.4





#37
Trichloroethene
Concen: 21.659 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

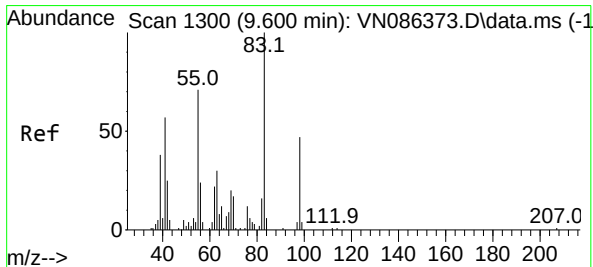
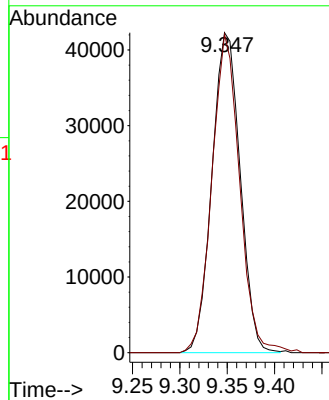
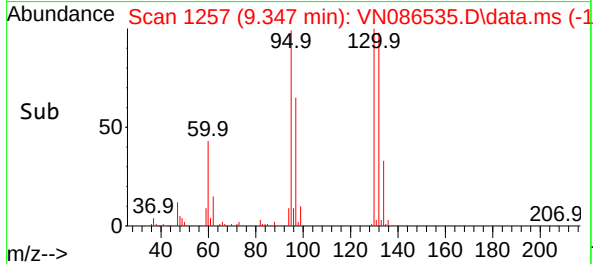
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



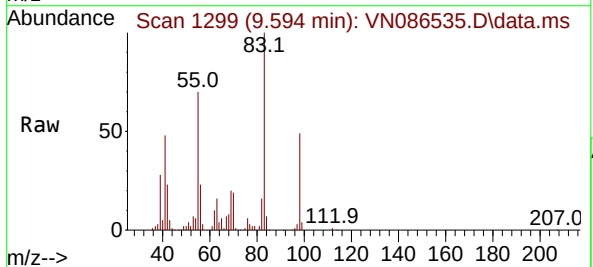
Tgt Ion:130 Resp: 87624
Ion Ratio Lower Upper
130 100
95 99.5 86.6 130.0

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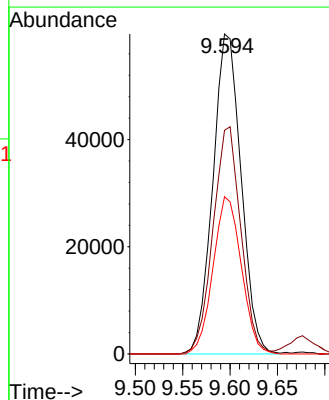
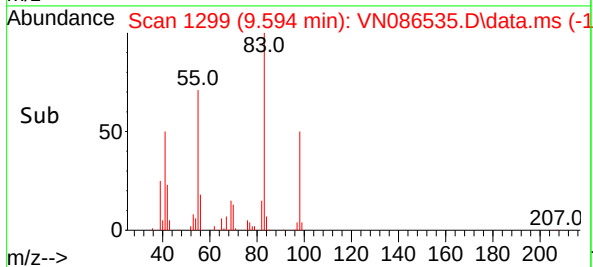
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

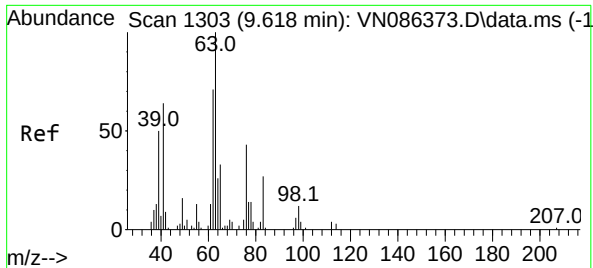


#38
Methylcyclohexane
Concen: 21.107 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09



Tgt Ion: 83 Resp: 123858
Ion Ratio Lower Upper
83 100
55 69.9 37.3 111.9
98 49.2 23.8 71.5





#39

1,2-Dichloropropane

Concen: 19.749 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion: 63 Resp: 7884

Ion Ratio Lower Upper

63 100

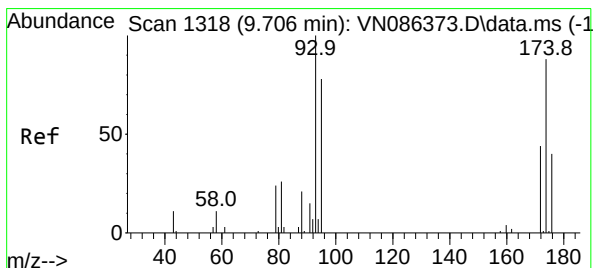
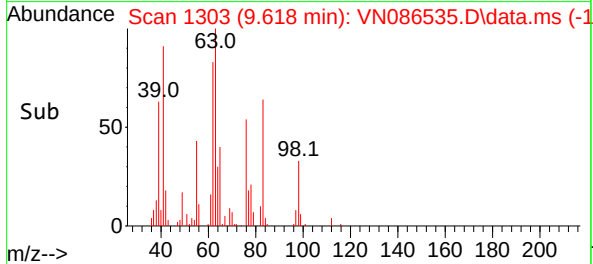
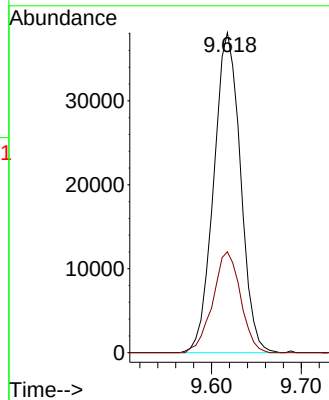
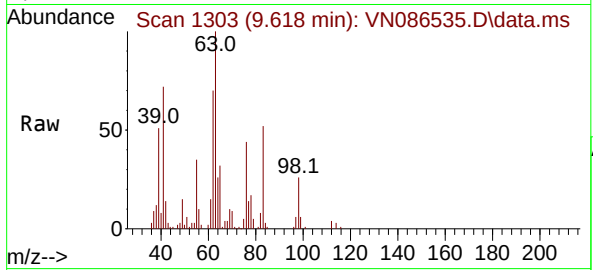
65 31.5 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#40

Dibromomethane

Concen: 21.225 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.000 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

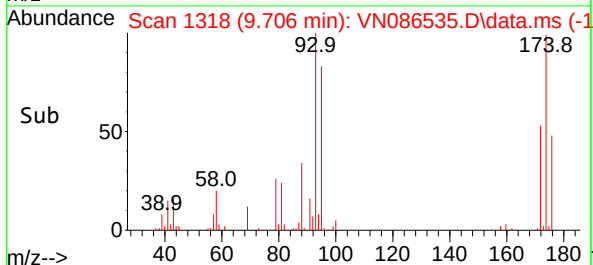
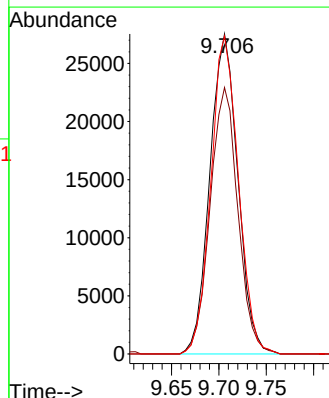
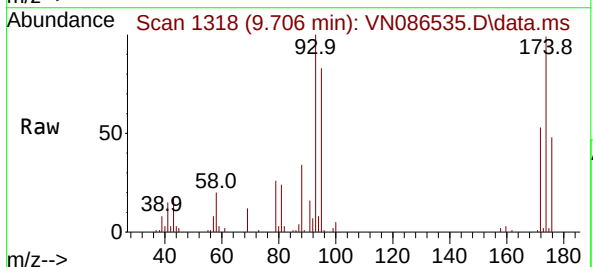
Tgt Ion: 93 Resp: 56667

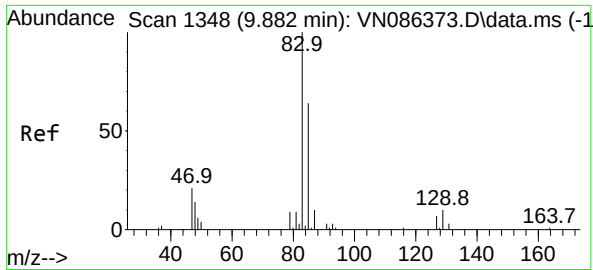
Ion Ratio Lower Upper

93 100

95 82.7 0.0 159.2

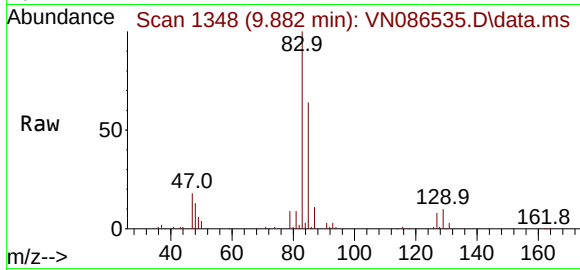
174 97.6 0.0 171.4





#41
Bromodichloromethane
Concen: 21.059 ug/l
RT: 9.882 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

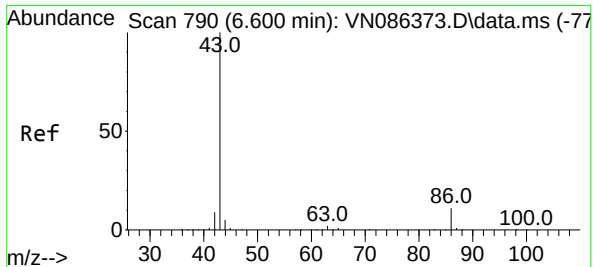
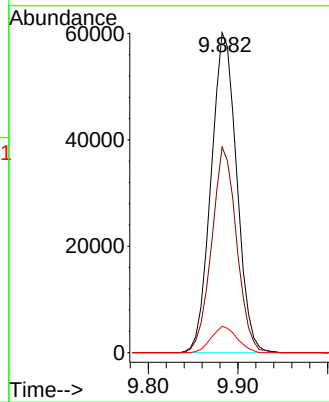
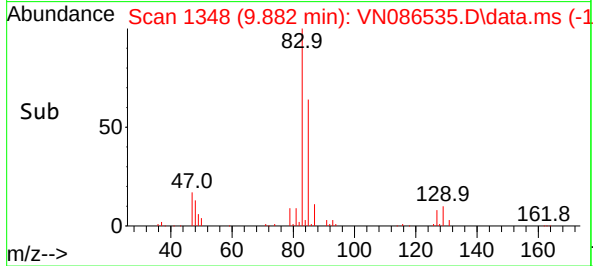
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion: 83 Resp: 118980
Ion Ratio Lower Upper
83 100
85 64.3 51.1 76.7
127 8.3 5.9 8.9

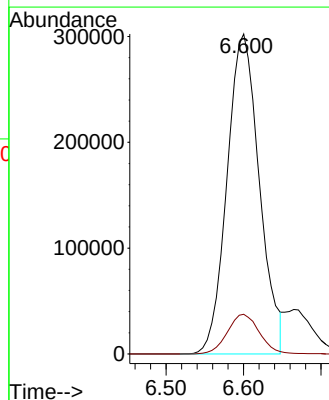
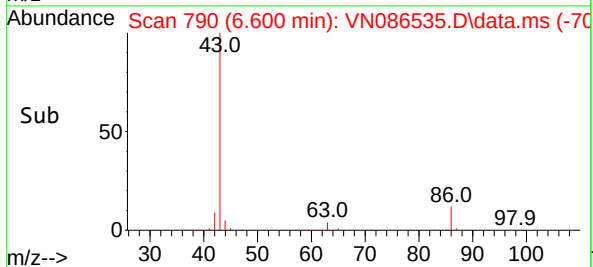
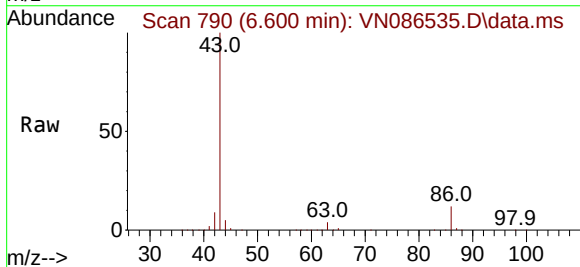
Manual Integrations
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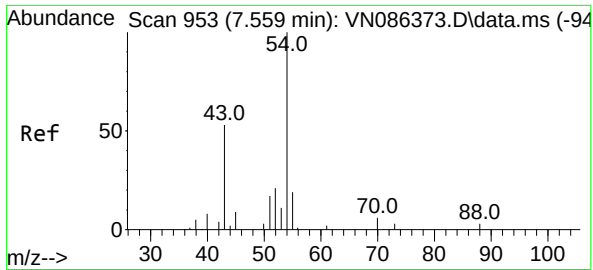
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#42
Vinyl Acetate
Concen: 102.839 ug/l
RT: 6.600 min Scan# 790
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

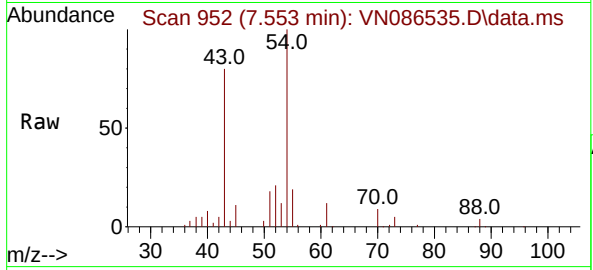
Tgt Ion: 43 Resp: 878546
Ion Ratio Lower Upper
43 100
86 12.3 8.9 13.3





#43
Ethyl Acetate
Concen: 24.598 ug/l
RT: 7.553 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

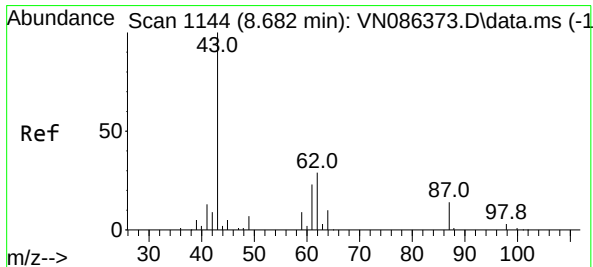
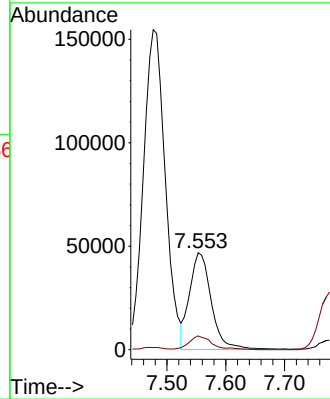
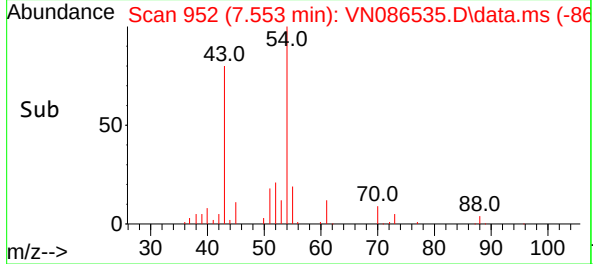
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion: 43 Resp: 120049
Ion Ratio Lower Upper
43 100
45 12.7 11.4 17.2

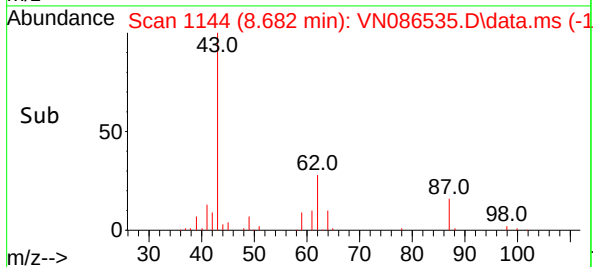
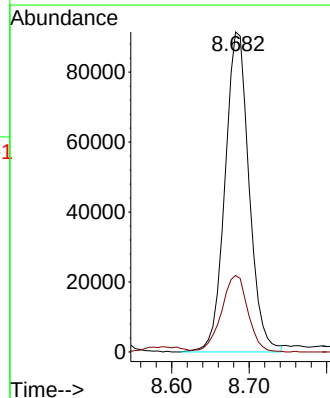
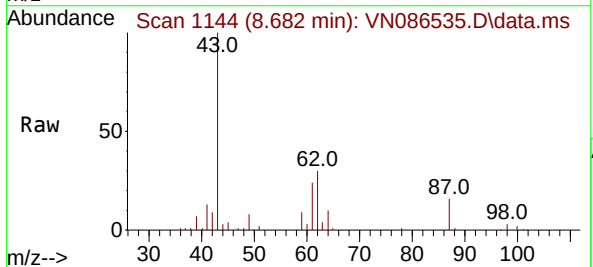
Manual Integrations
APPROVED

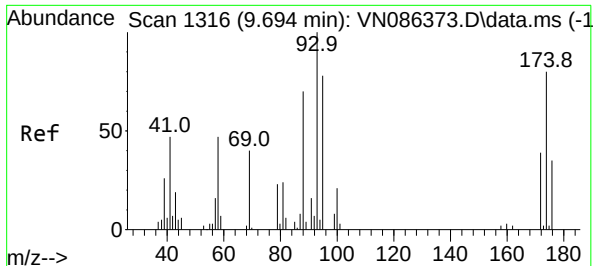
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#44
Isopropyl Acetate
Concen: 21.371 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion: 43 Resp: 197948
Ion Ratio Lower Upper
43 100
61 26.1 21.0 31.4





#45

1,4-Dioxane

Concen: 458.882 ug/l

RT: 9.688 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion: 88 Resp: 3316

Ion Ratio Lower Upper

88 100

43 28.0 24.9 37.3

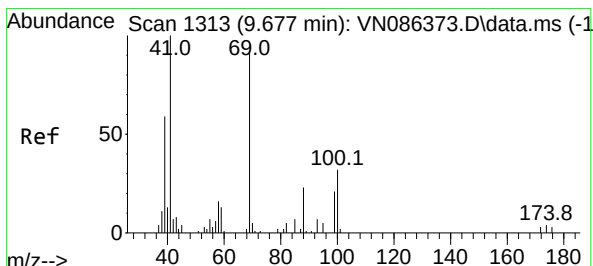
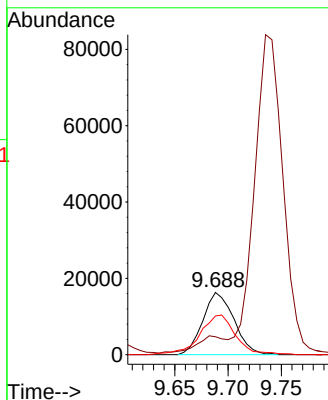
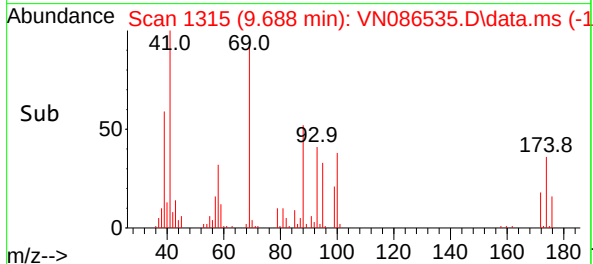
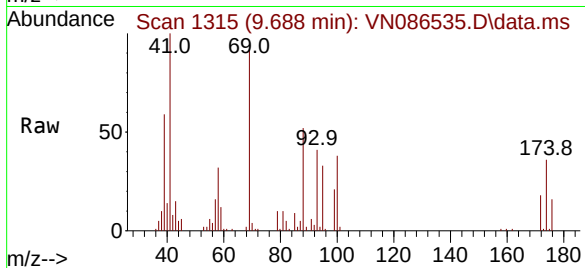
58 73.2 57.8 86.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#46

Methyl methacrylate

Concen: 20.900 ug/l

RT: 9.676 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

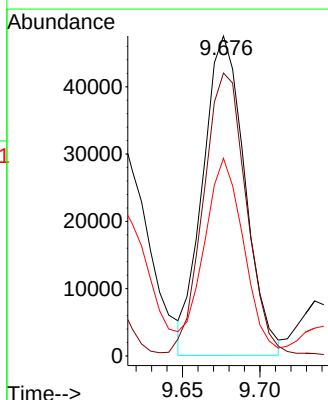
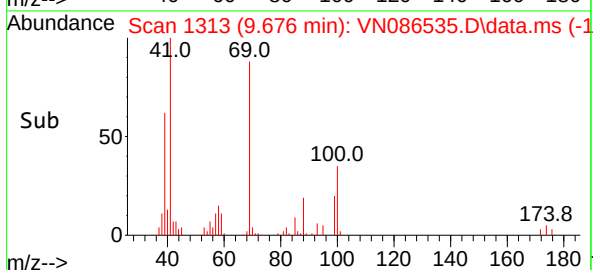
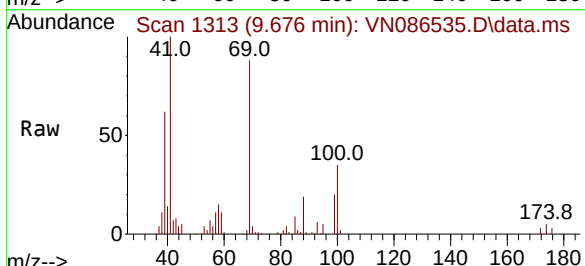
Tgt Ion: 41 Resp: 89298

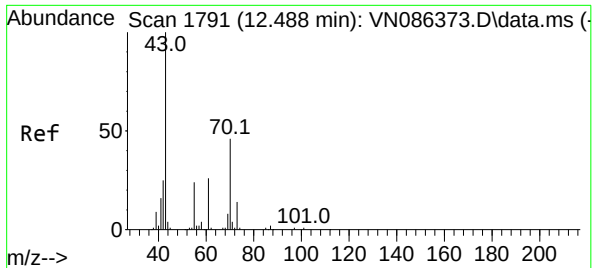
Ion Ratio Lower Upper

41 100

69 89.7 44.1 132.3

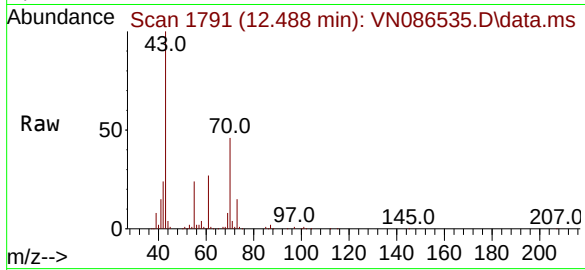
39 62.4 30.0 90.1





#47
n-amy1 Acetate
Concen: 26.115 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

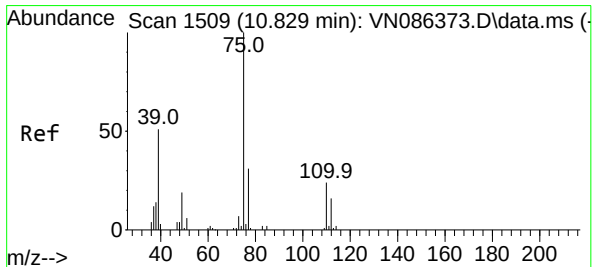
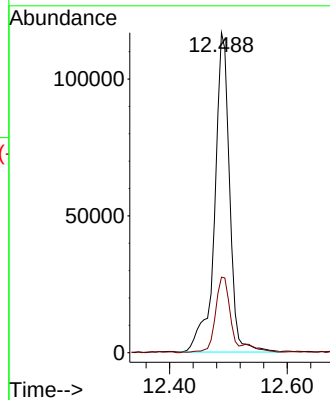
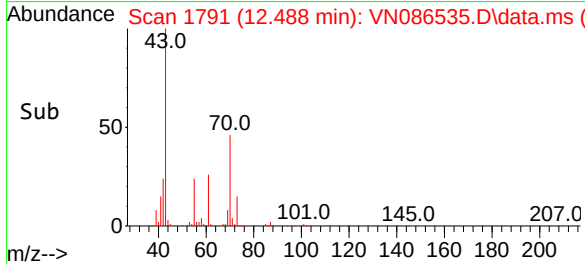
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion: 43 Resp: 206170
Ion Ratio Lower Upper
43 100
55 22.6 19.4 29.0

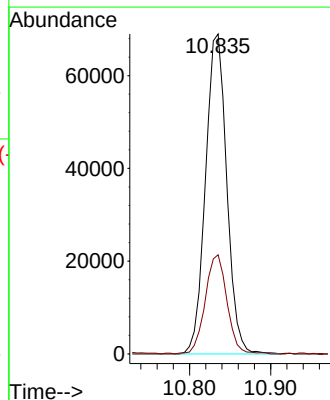
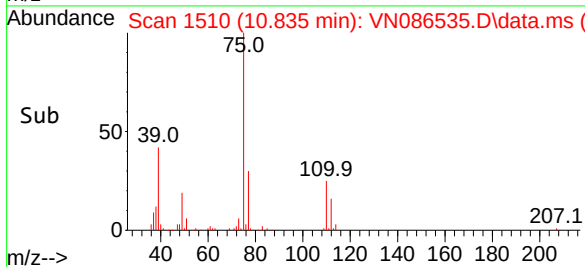
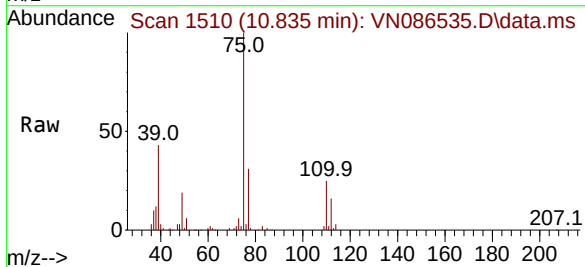
Manual Integrations
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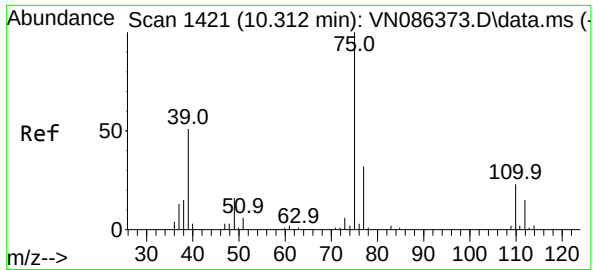
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#48
t-1,3-Dichloropropene
Concen: 19.853 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

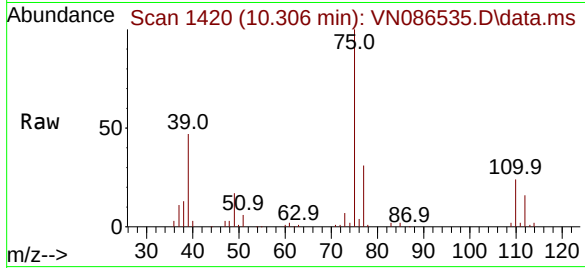
Tgt Ion: 75 Resp: 125402
Ion Ratio Lower Upper
75 100
77 31.0 24.4 36.6





#49
 cis-1,3-Dichloropropene
 Concen: 19.494 ug/l
 RT: 10.306 min Scan# 1421
 Delta R.T. -0.006 min
 Lab File: VN086535.D
 Acq: 07 May 2025 15:09

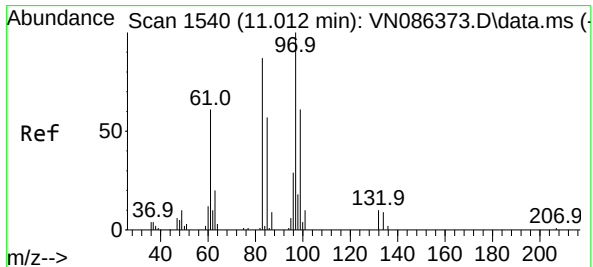
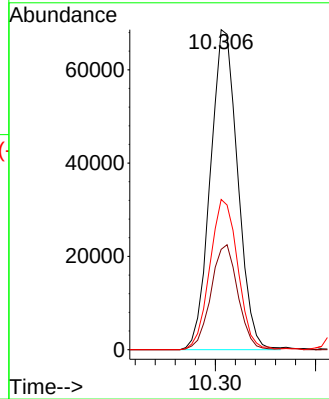
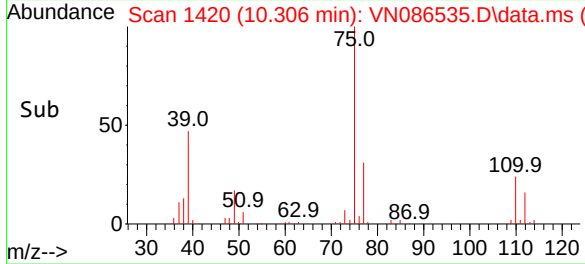
Instrument :
 MSVOA_N
 ClientSampleId :
 001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion: 75 Resp: 129852
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.6 38.4
 39 47.0 40.6 60.8

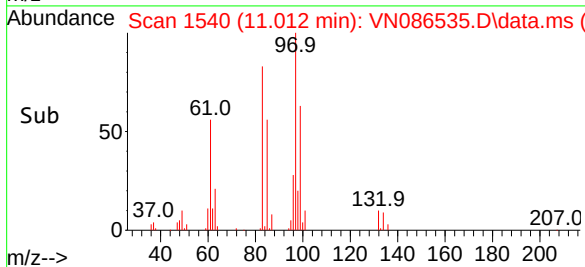
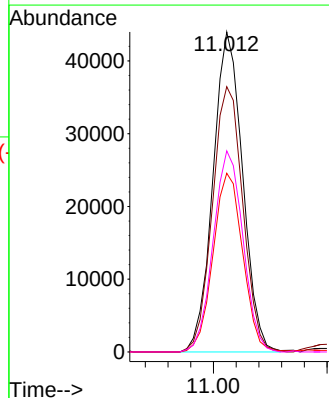
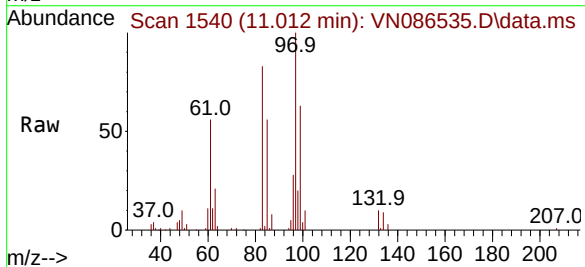
Manual Integrations
 APPROVED

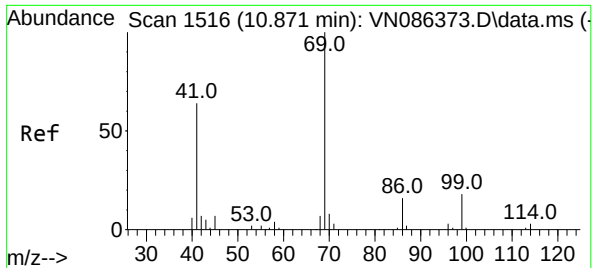
Reviewed By :John Carlone 05/08/2025
 Supervised By :Mahesh Dadoda 05/08/2025



#50
 1,1,2-Trichloroethane
 Concen: 21.342 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. -0.000 min
 Lab File: VN086535.D
 Acq: 07 May 2025 15:09

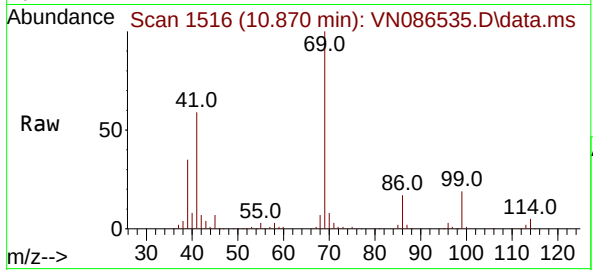
Tgt Ion: 97 Resp: 79591
 Ion Ratio Lower Upper
 97 100
 83 82.9 69.3 103.9
 85 55.8 45.5 68.3
 99 62.8 49.0 73.6





#51
Ethyl methacrylate
Concen: 21.730 ug/l
RT: 10.870 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

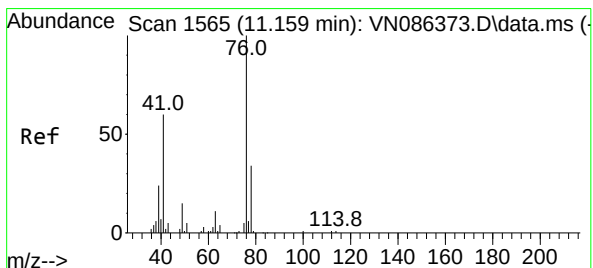
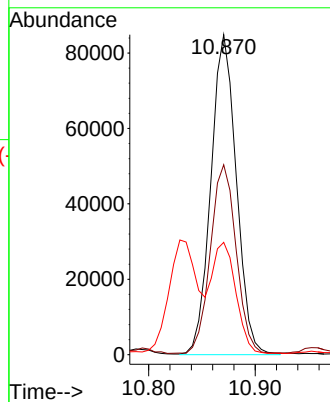
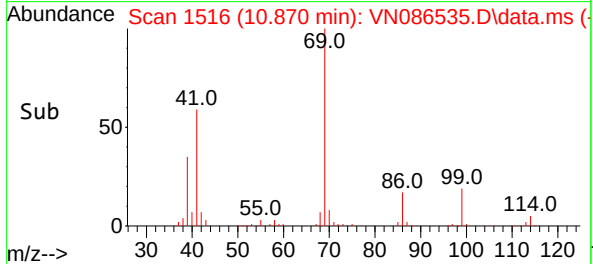
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion: 69 Resp: 141134
Ion Ratio Lower Upper
69 100
41 59.0 32.3 96.8
39 34.8 19.1 57.1

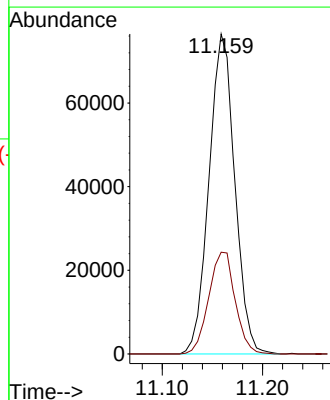
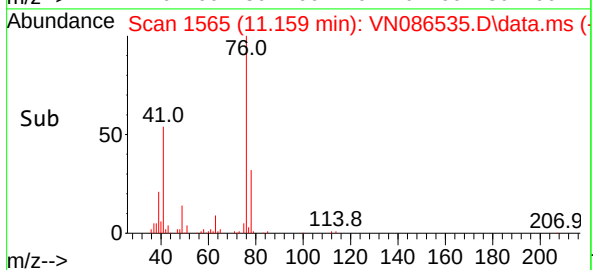
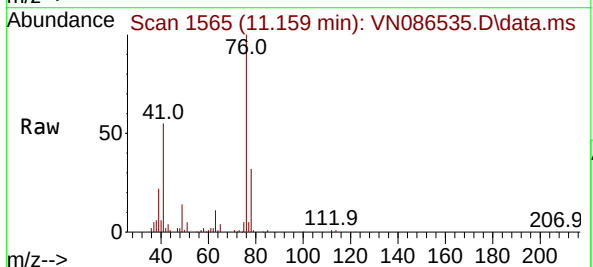
Manual Integrations
APPROVED

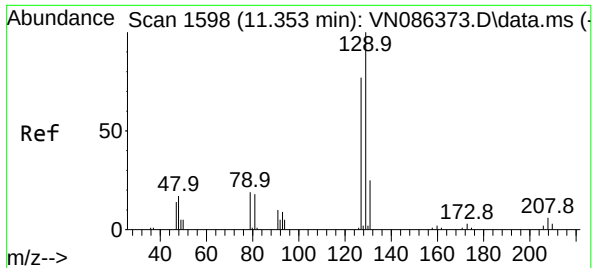
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#52
1,3-Dichloropropane
Concen: 20.699 ug/l
RT: 11.159 min Scan# 1565
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

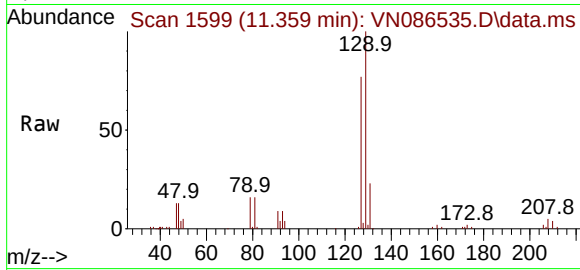
Tgt Ion: 76 Resp: 136425
Ion Ratio Lower Upper
76 100
78 32.6 0.0 65.6





#53
Dibromochloromethane
Concen: 21.959 ug/l
RT: 11.359 min Scan# 1598
Delta R.T. 0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

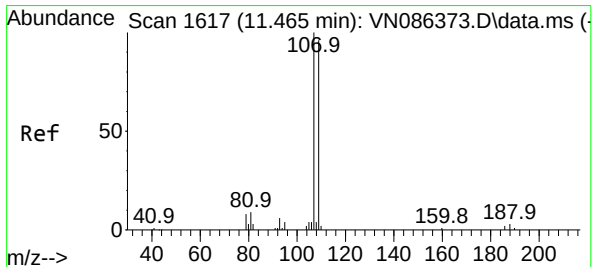
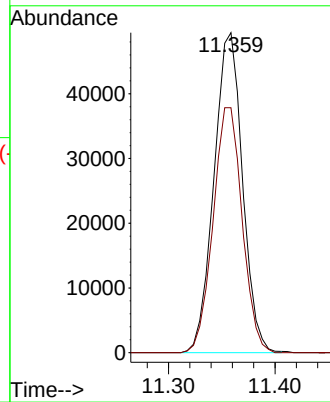
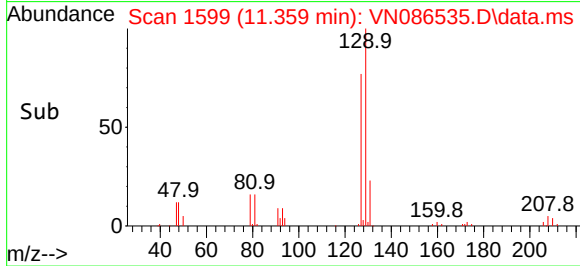
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion:129 Resp: 91958
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.3

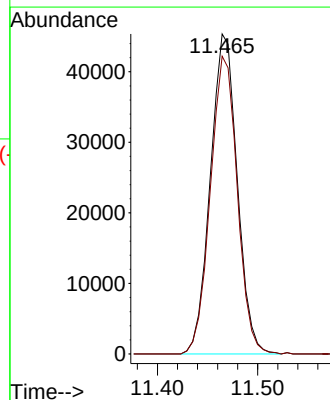
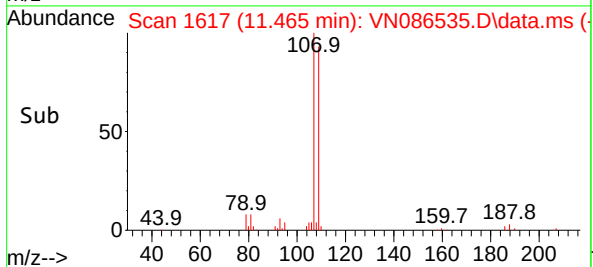
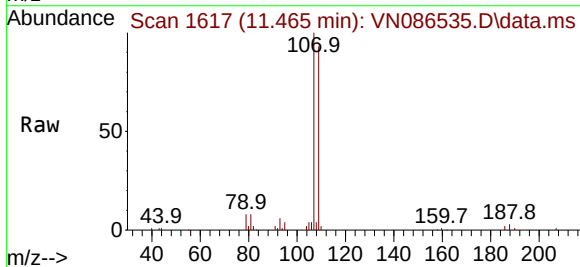
Manual Integrations
APPROVED

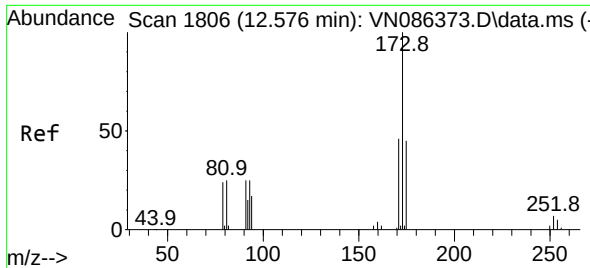
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#54
1,2-Dibromoethane
Concen: 22.253 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

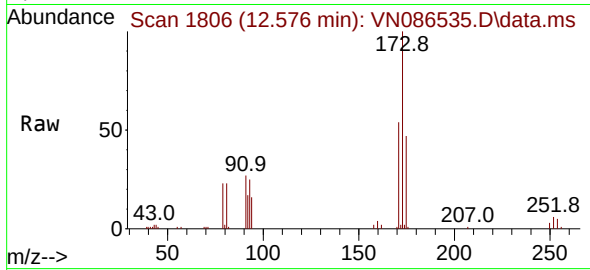
Tgt Ion:107 Resp: 84378
Ion Ratio Lower Upper
107 100
109 93.0 75.4 113.0





#56
Bromoform
Concen: 23.636 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

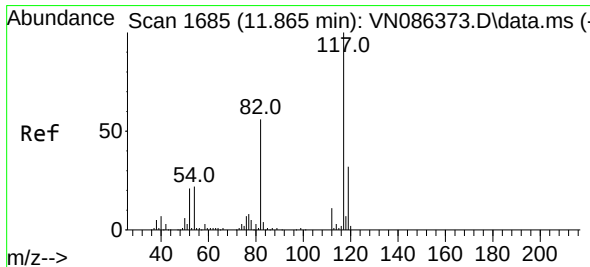
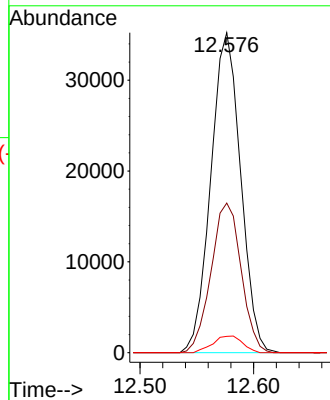
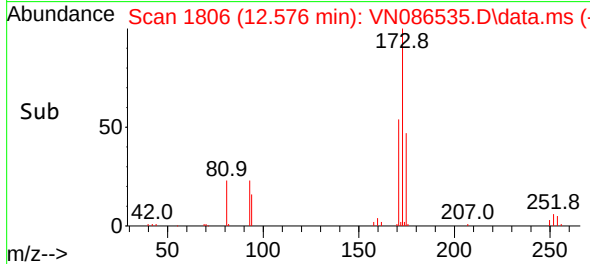
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion:173 Resp: 64227
Ion Ratio Lower Upper
173 100
175 47.2 39.0 58.6
254 5.2 3.8 5.6

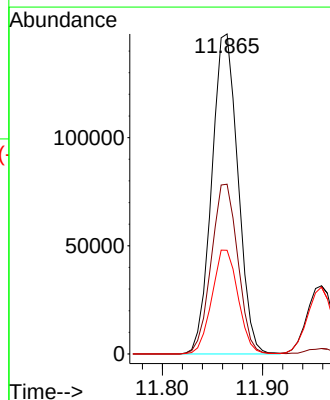
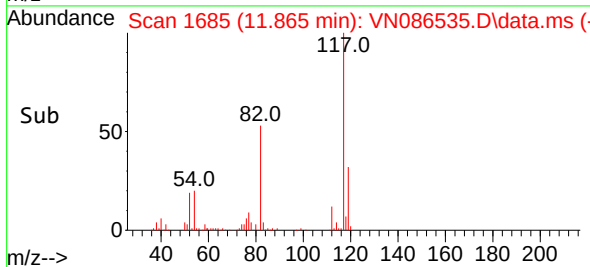
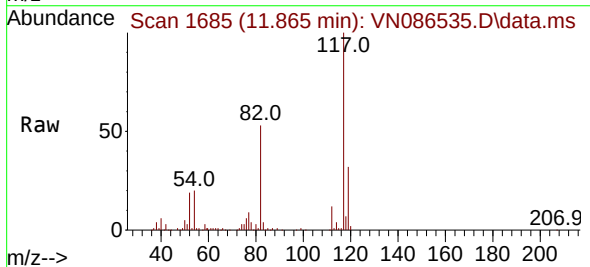
Manual Integrations
APPROVED

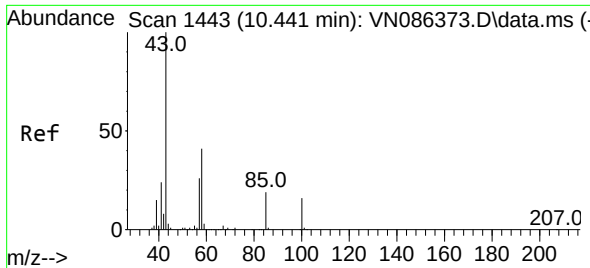
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

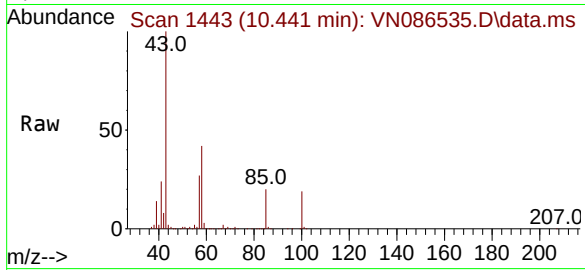
Tgt Ion:117 Resp: 268601
Ion Ratio Lower Upper
117 100
82 53.9 45.5 68.3
119 32.5 25.9 38.9





#58
4-Methyl-2-Pentanone
Concen: 118.644 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

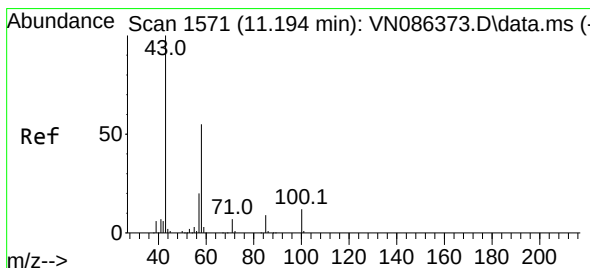
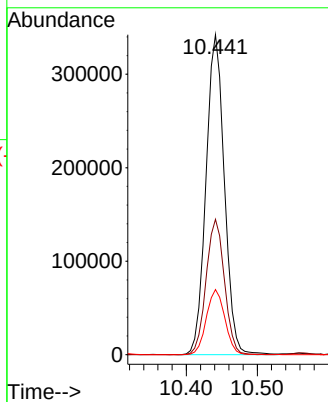
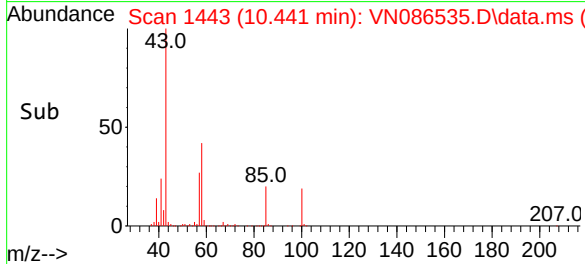
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion: 43 Resp: 616690
Ion Ratio Lower Upper
43 100
58 42.2 33.0 49.6
85 20.4 14.9 22.3

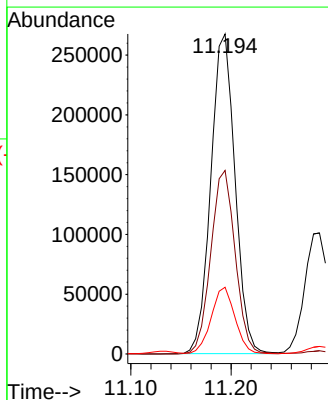
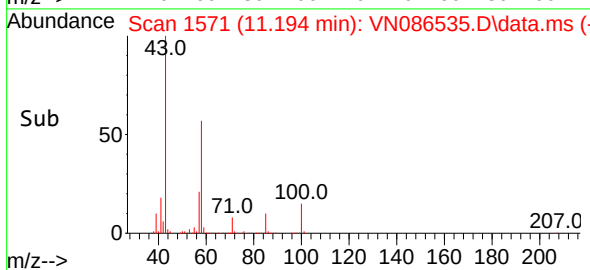
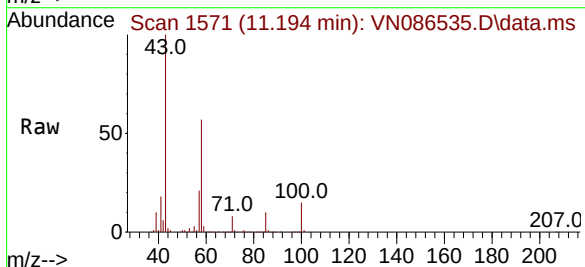
Manual Integrations
APPROVED

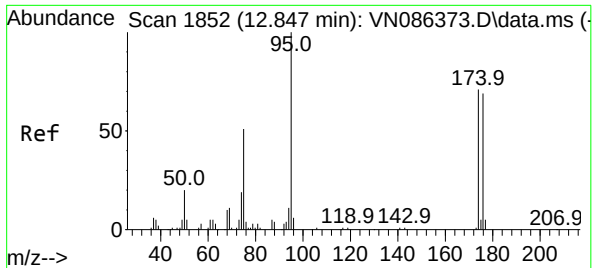
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#59
2-Hexanone
Concen: 117.294 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

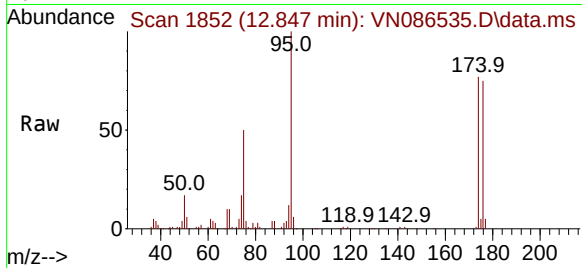
Tgt Ion: 43 Resp: 449282
Ion Ratio Lower Upper
43 100
58 57.9 45.0 67.6
57 20.7 15.5 23.3





#60
4-Bromofluorobenzene
Concen: 29.262 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

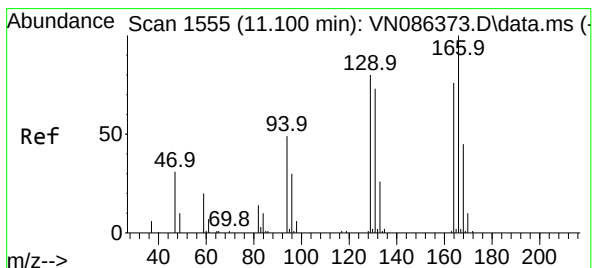
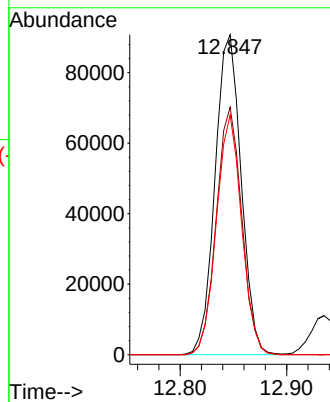
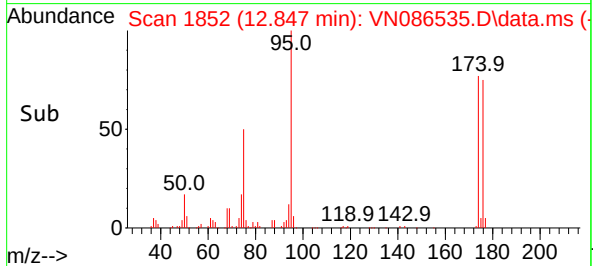
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion: 95 Resp: 15447
Ion Ratio Lower Upper
95 100
174 75.3 56.6 84.8
176 72.4 53.3 79.9

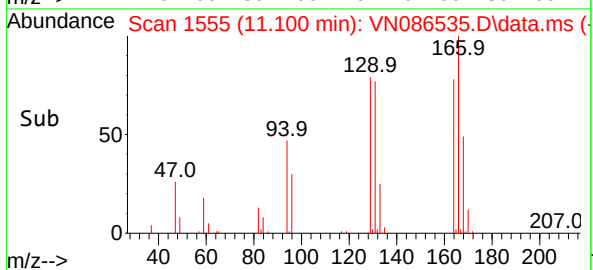
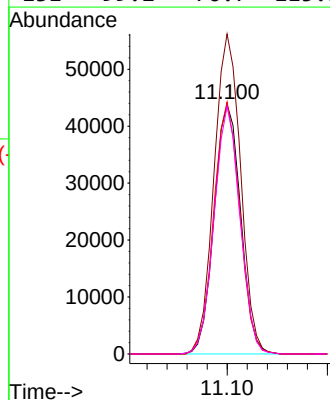
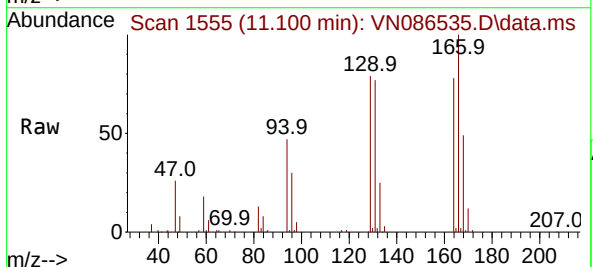
Manual Integrations
APPROVED

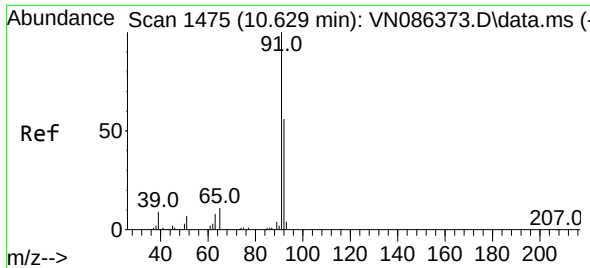
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#61
Tetrachloroethene
Concen: 19.583 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion:164 Resp: 80228
Ion Ratio Lower Upper
164 100
166 128.2 105.0 157.4
129 101.0 83.9 125.9
131 99.2 76.7 115.1





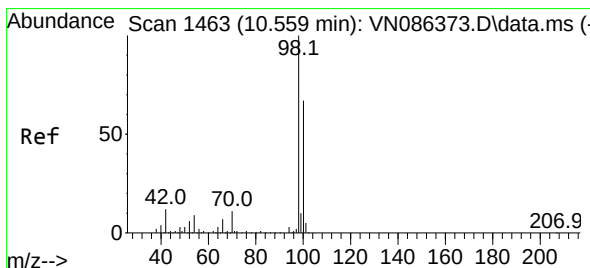
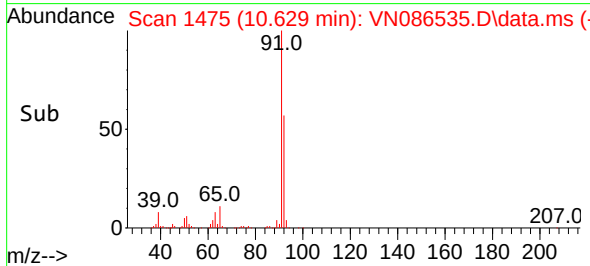
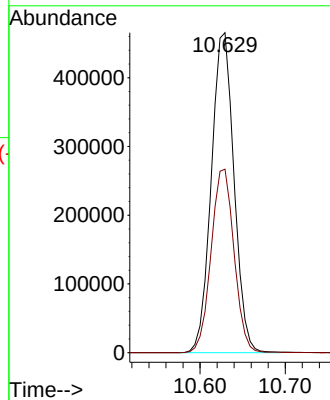
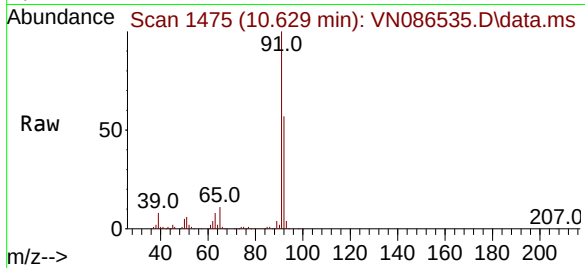
#62
Toluene
Concen: 48.013 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion: 91 Resp: 863228
Ion Ratio Lower Upper
91 100
92 58.0 45.7 68.5

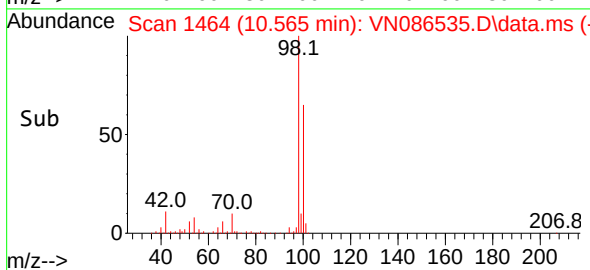
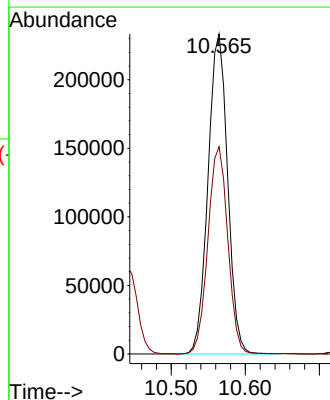
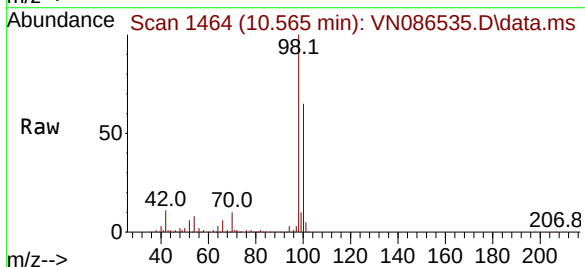
Manual Integrations
APPROVED

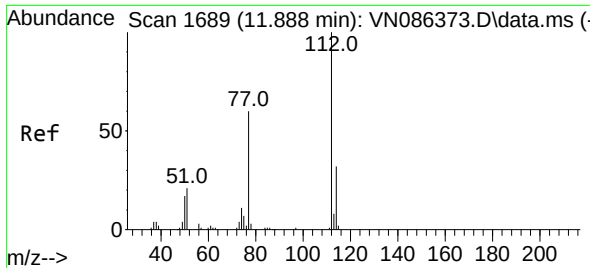
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#63
Toluene-d8
Concen: 29.036 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

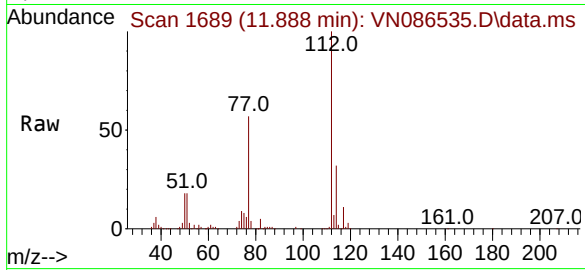
Tgt Ion: 98 Resp: 429069
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7





#64
Chlorobenzene
Concen: 21.587 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

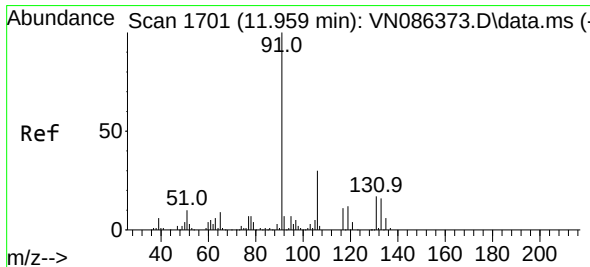
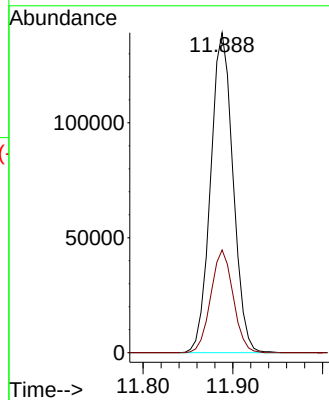
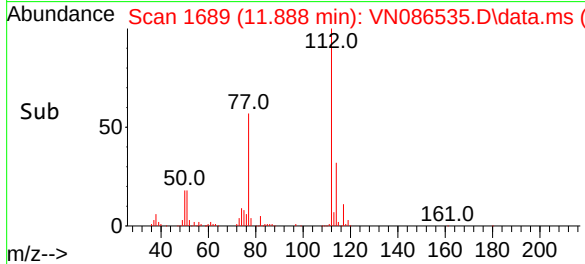
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion:112 Resp: 24183
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

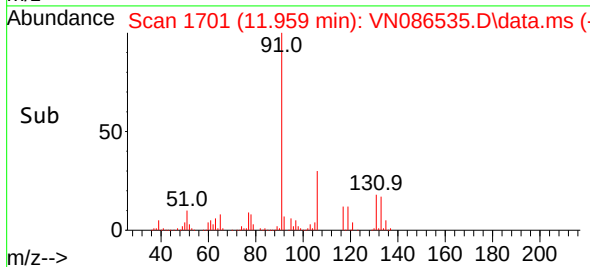
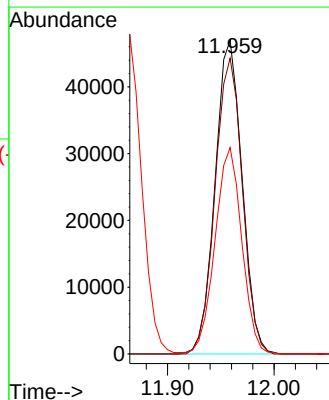
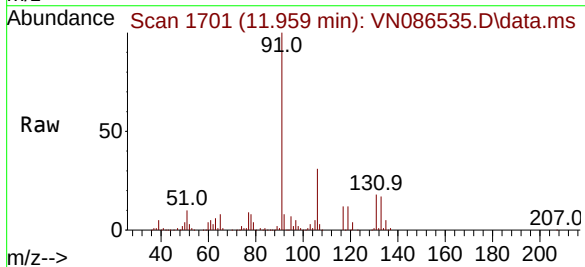
Manual Integrations
APPROVED

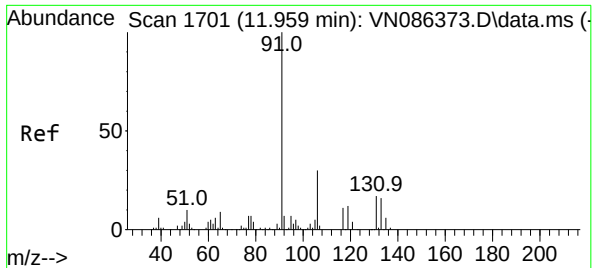
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#65
1,1,1,2-Tetrachloroethane
Concen: 22.082 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

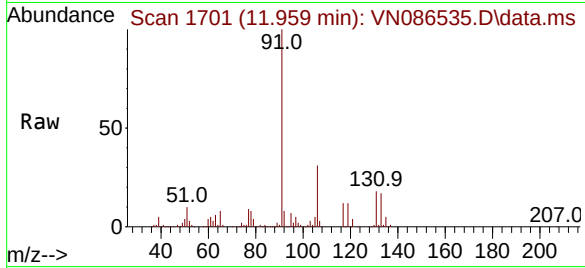
Tgt Ion:131 Resp: 82715
Ion Ratio Lower Upper
131 100
133 95.1 0.0 191.4
119 65.4 0.0 133.6





#66
Ethyl Benzene
Concen: 21.261 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

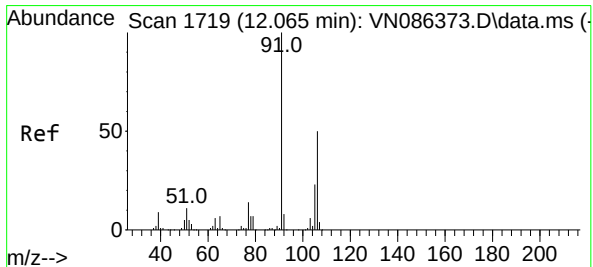
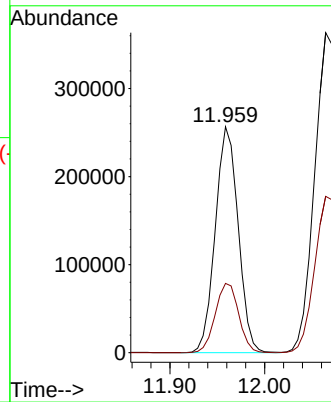
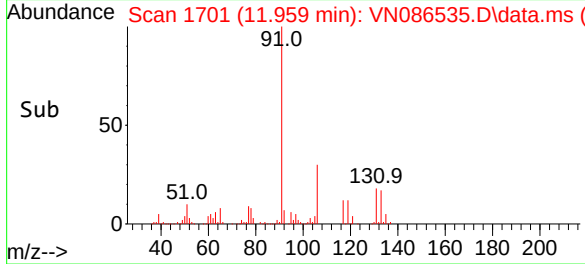
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion: 91 Resp: 430270
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5

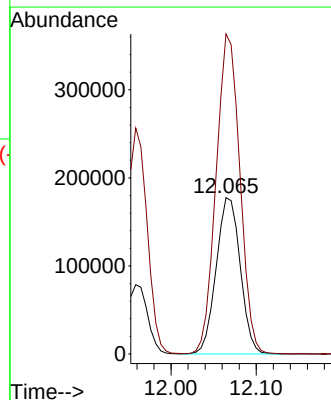
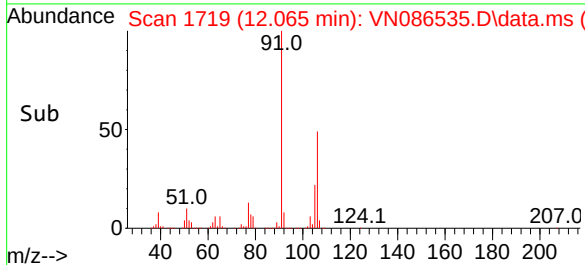
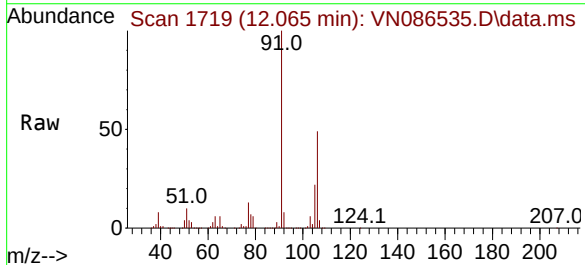
Manual Integrations
APPROVED

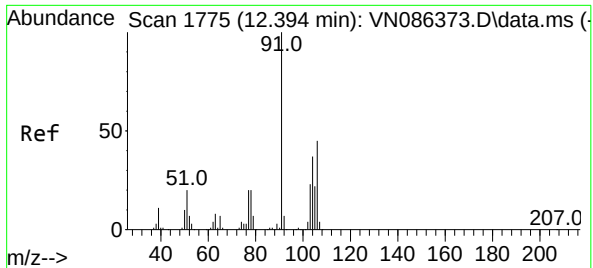
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#67
m/p-Xylenes
Concen: 45.402 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

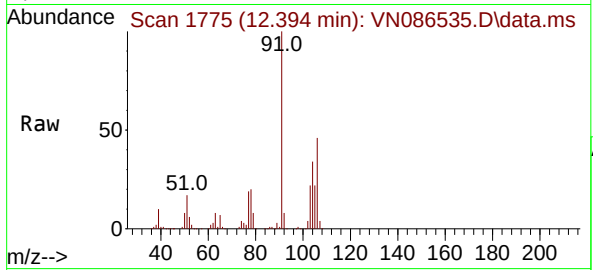
Tgt Ion:106 Resp: 348628
Ion Ratio Lower Upper
106 100
91 203.0 162.6 243.8





#68
o-Xylene
Concen: 22.754 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

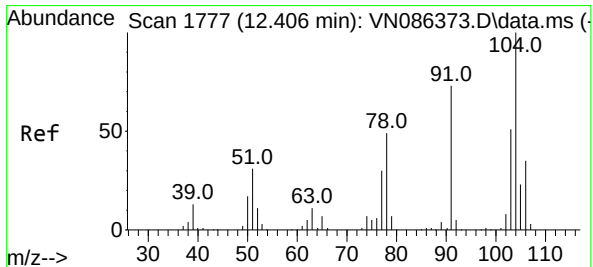
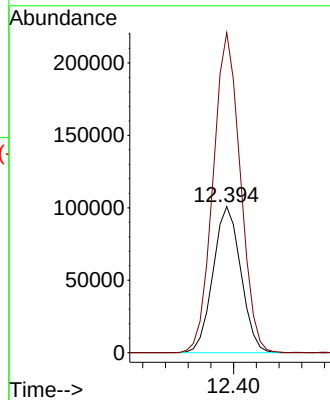
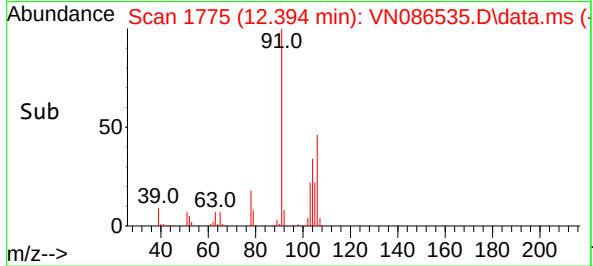
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion:106 Resp: 17107
Ion Ratio Lower Upper
106 100
91 215.1 110.6 331.6

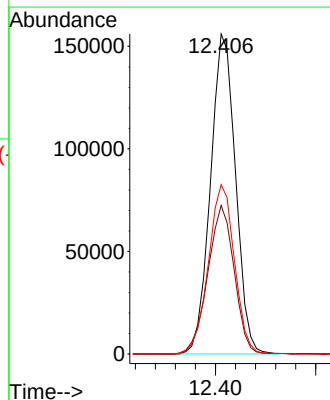
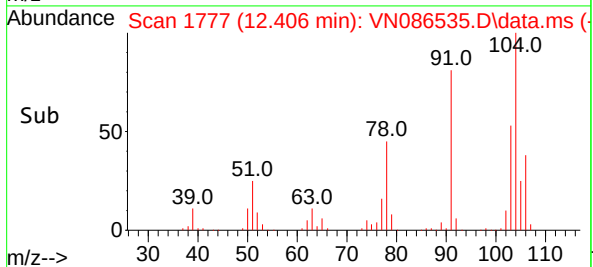
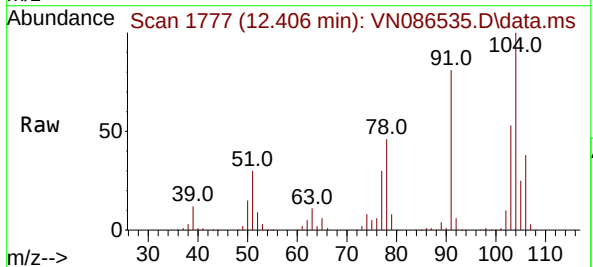
Manual Integrations
APPROVED

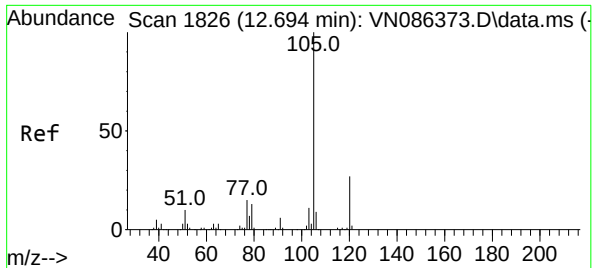
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#69
Styrene
Concen: 21.227 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

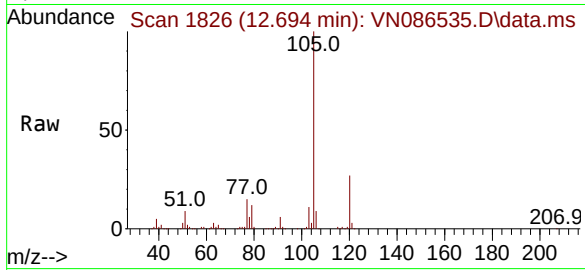
Tgt Ion:104 Resp: 270501
Ion Ratio Lower Upper
104 100
78 48.8 40.2 60.4
103 55.2 43.8 65.8





#70
Isopropylbenzene
Concen: 21.305 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

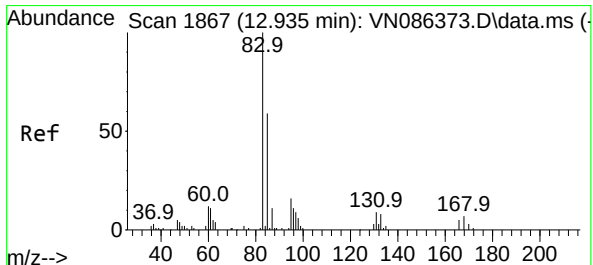
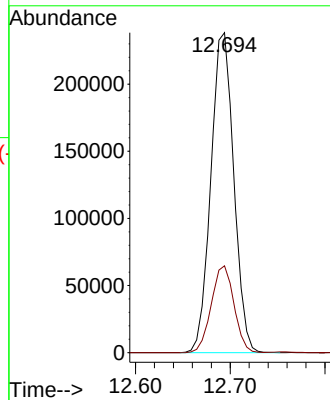
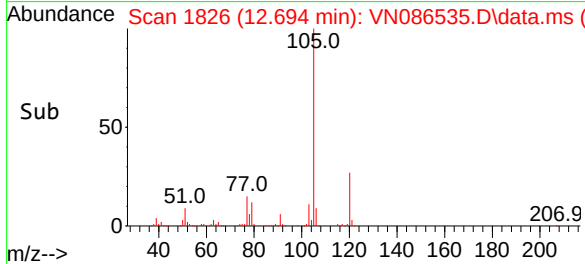
Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MSD



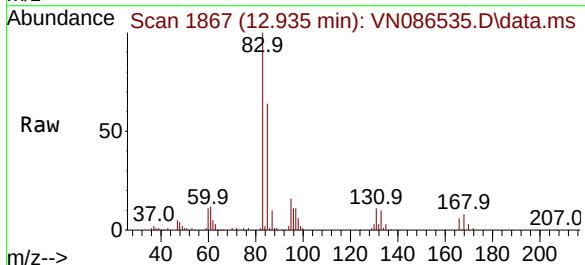
Tgt Ion:105 Resp: 39984
Ion Ratio Lower Upper
105 100
120 26.9 18.2 33.8

Manual Integrations
APPROVED

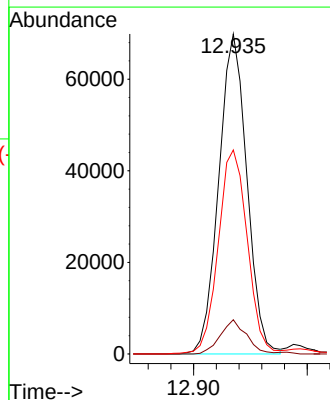
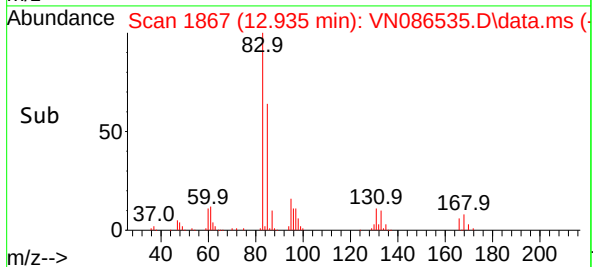
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

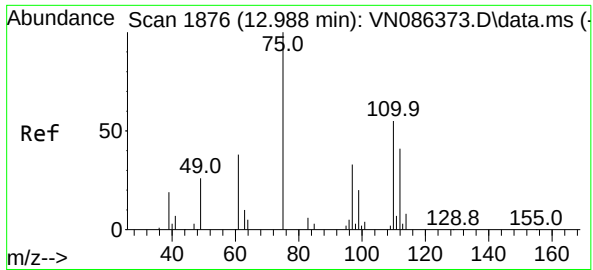


#71
1,1,2,2-Tetrachloroethane
Concen: 24.329 ug/l
RT: 12.935 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09



Tgt Ion: 83 Resp: 120224
Ion Ratio Lower Upper
83 100
131 9.9 4.5 13.7
85 65.8 31.7 95.1





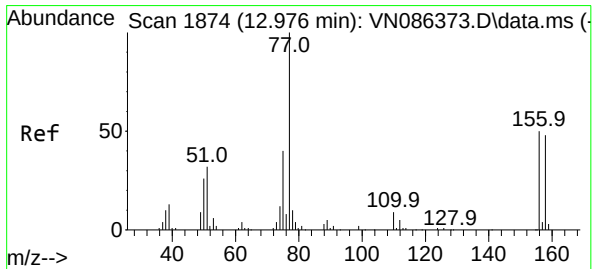
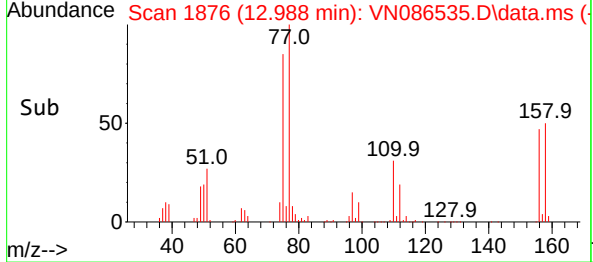
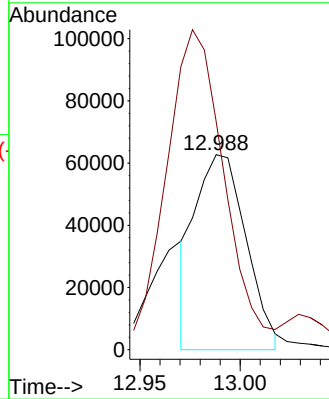
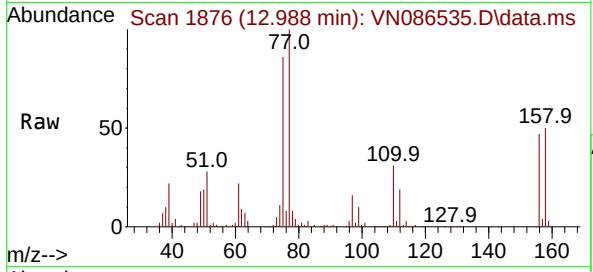
#72
1,2,3-Trichloropropane
Concen: 25.626 ug/l m
RT: 12.988 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion: 75 Resp: 110404
Ion Ratio Lower Upper
75 100
77 188.8 0.0 464.4

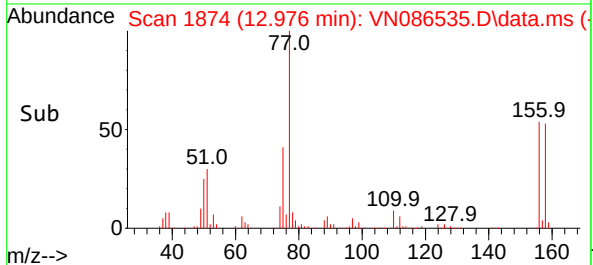
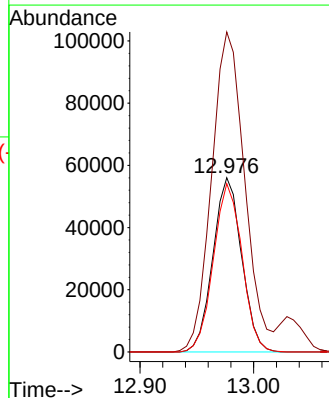
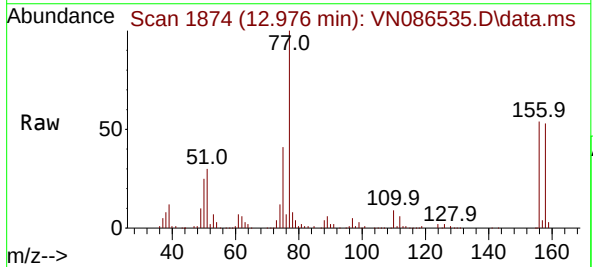
Manual Integrations
APPROVED

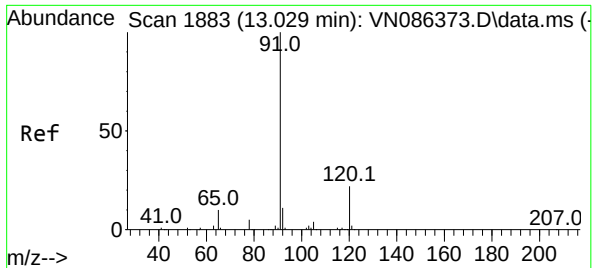
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#73
Bromobenzene
Concen: 22.815 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion:156 Resp: 98442
Ion Ratio Lower Upper
156 100
77 211.8 0.0 463.4
158 96.3 0.0 191.8





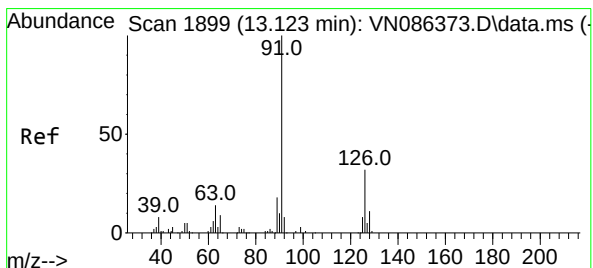
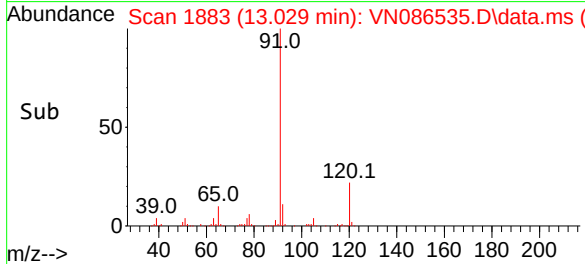
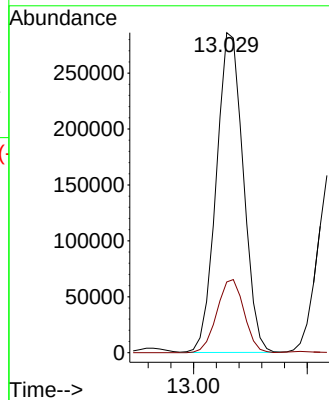
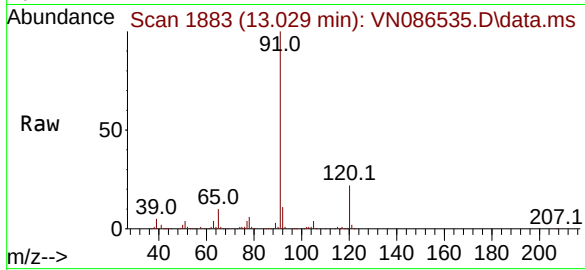
#74
n-propylbenzene
Concen: 21.138 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion: 91 Resp: 471404
Ion Ratio Lower Upper
91 100
120 23.0 0.0 43.8

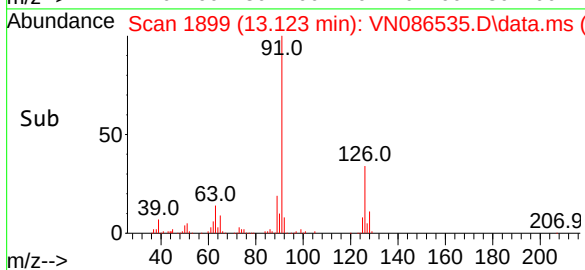
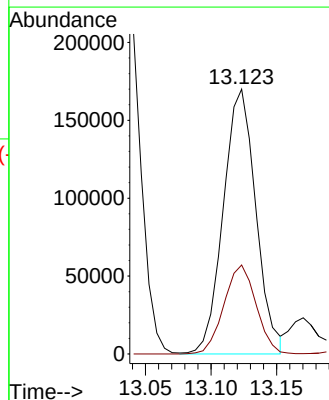
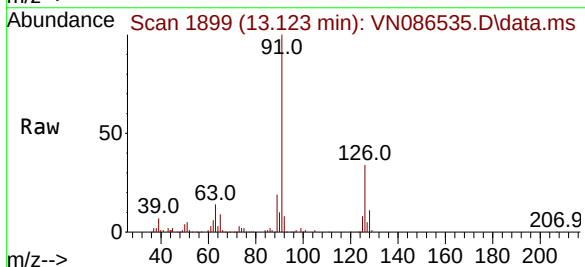
Manual Integrations
APPROVED

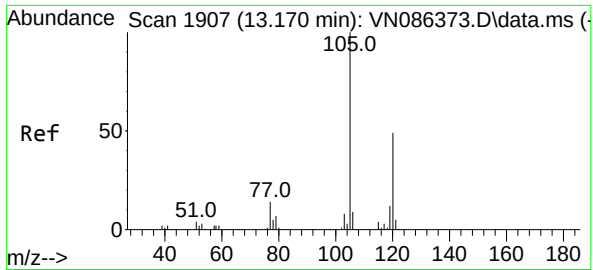
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#75
2-Chlorotoluene
Concen: 21.124 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

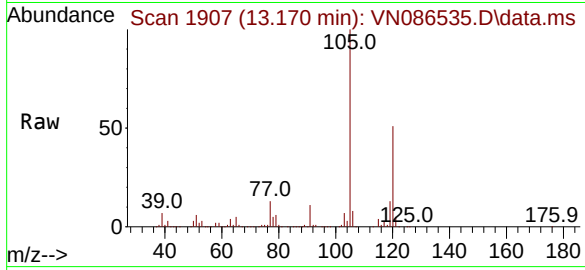
Tgt Ion: 91 Resp: 294086
Ion Ratio Lower Upper
91 100
126 33.1 0.0 65.0





#76
1,3,5-Trimethylbenzene
Concen: 21.610 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

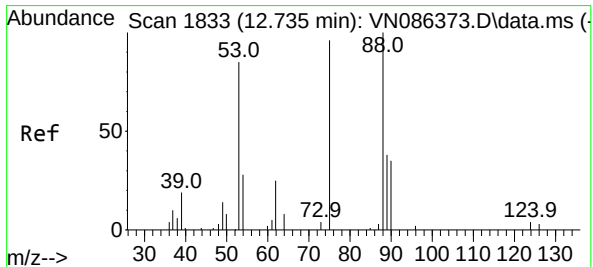
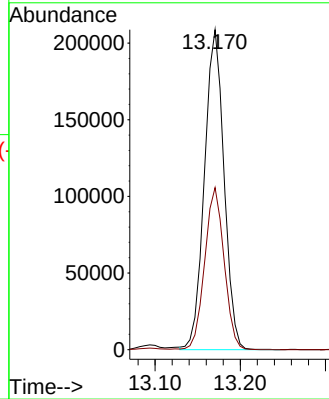
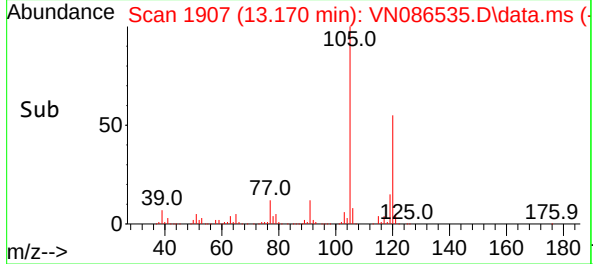
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion:105 Resp: 33278
Ion Ratio Lower Upper
105 100
120 50.1 0.0 97.6

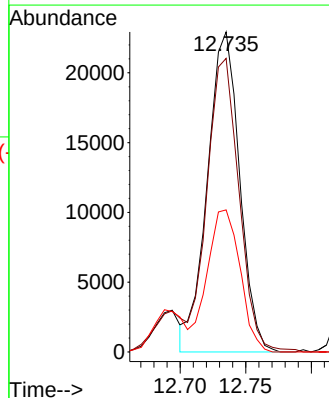
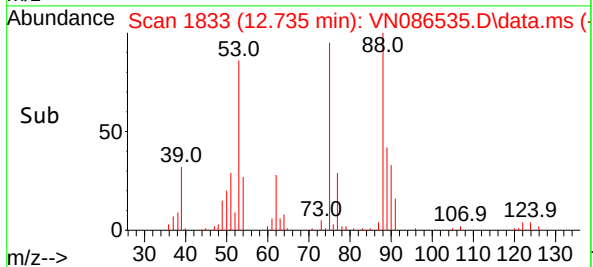
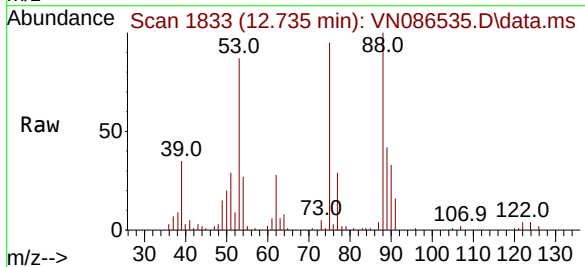
Manual Integrations
APPROVED

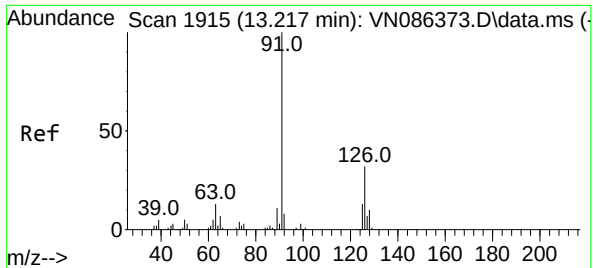
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#77
t-1,4-Dichloro-2-butene
Concen: 17.940 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion: 75 Resp: 39226
Ion Ratio Lower Upper
75 100
53 90.8 46.0 138.0
89 44.4 21.6 64.6





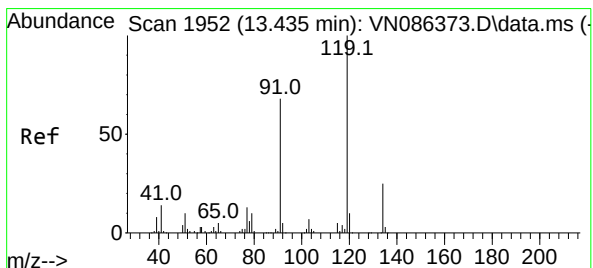
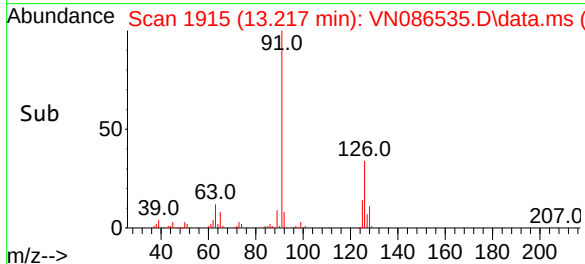
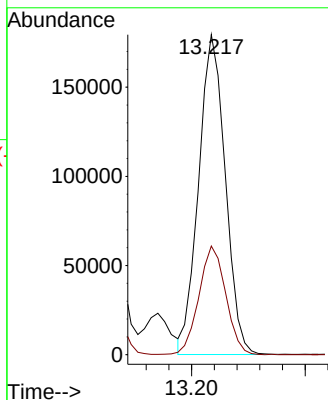
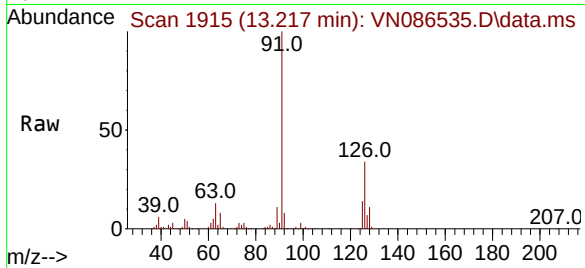
#78
4-Chlorotoluene
Concen: 20.991 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion: 91 Resp: 29220
Ion Ratio Lower Upper
91 100
126 34.3 0.0 65.4

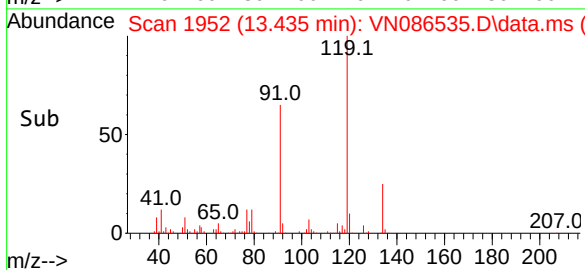
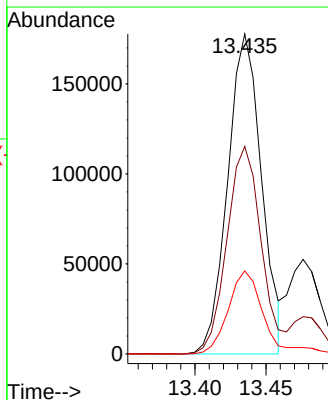
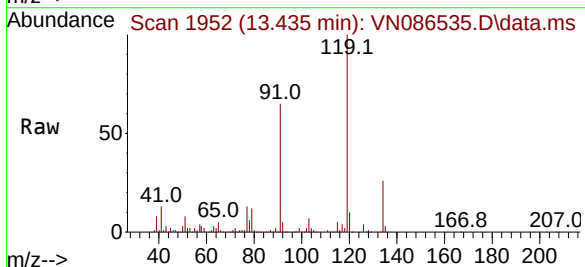
Manual Integrations
APPROVED

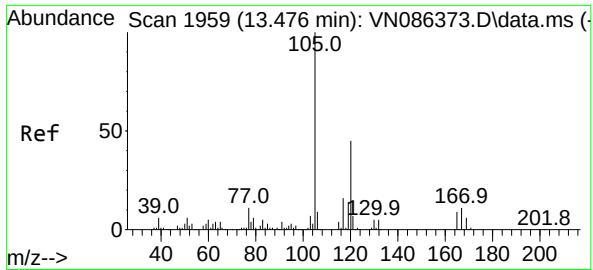
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#79
tert-butylbenzene
Concen: 22.359 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

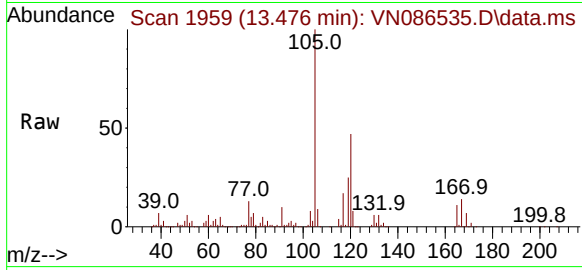
Tgt Ion:119 Resp: 294883
Ion Ratio Lower Upper
119 100
91 66.1 0.0 137.4
134 25.4 0.0 49.2





#80
1,2,4-Trimethylbenzene
Concen: 21.982 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

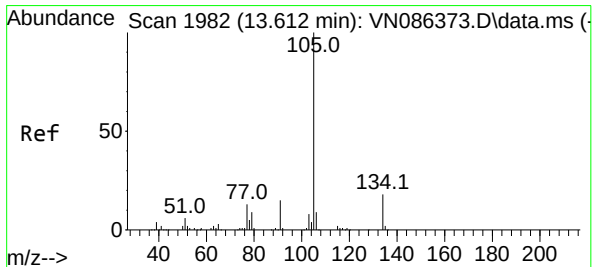
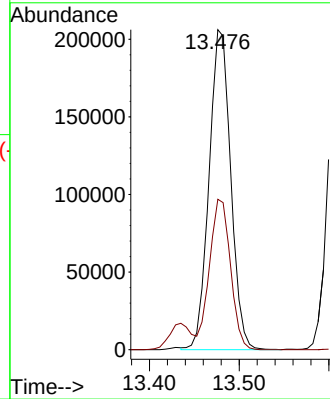
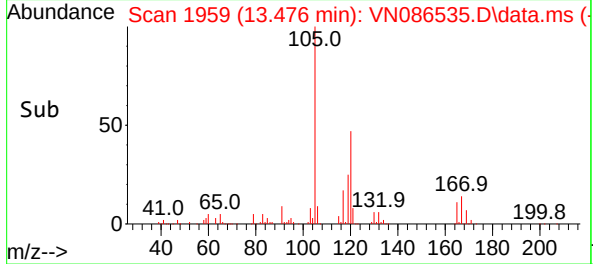
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



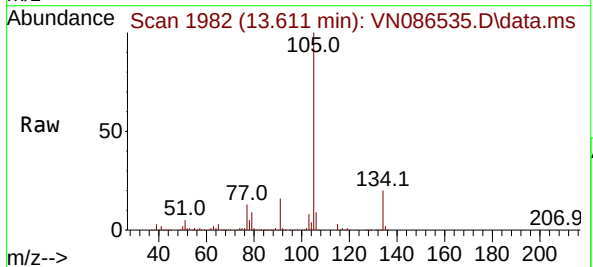
Tgt Ion:105 Resp: 34571
Ion Ratio Lower Upper
105 100
120 45.4 0.0 87.6

Manual Integrations
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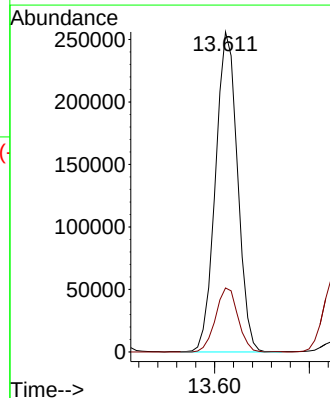
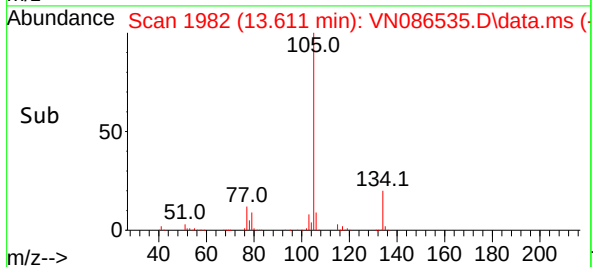
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025

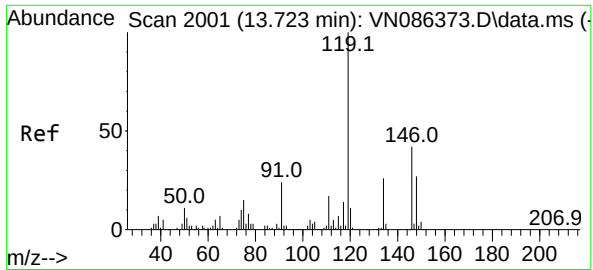


#81
sec-Butylbenzene
Concen: 21.971 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09



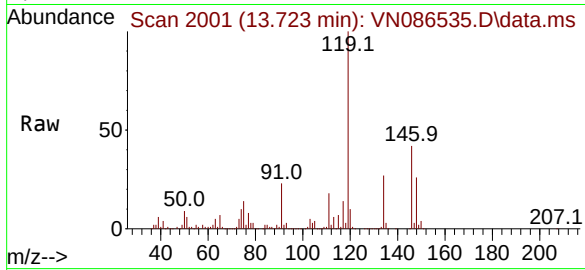
Tgt Ion:105 Resp: 413629
Ion Ratio Lower Upper
105 100
134 20.3 0.0 38.4





#82
p-Isopropyltoluene
Concen: 22.599 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

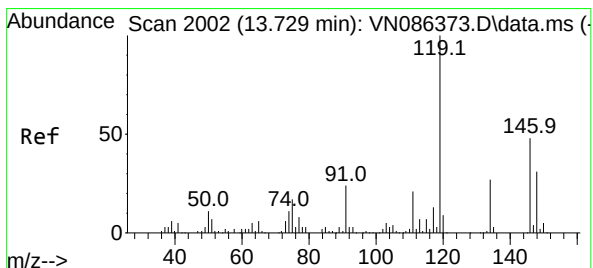
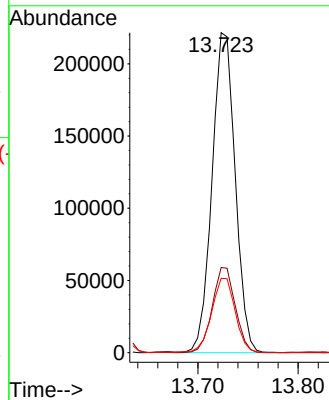
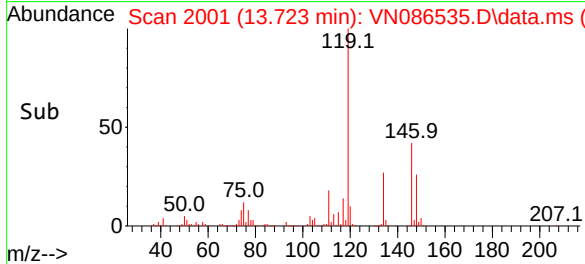
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion:119 Resp: 356004
Ion Ratio Lower Upper
119 100
134 26.4 0.0 52.2
91 23.5 0.0 47.6

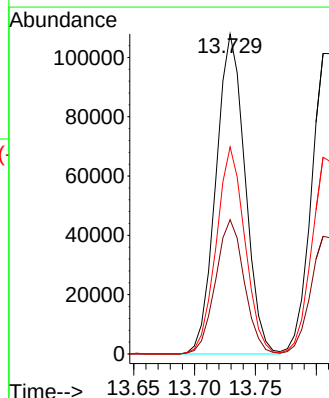
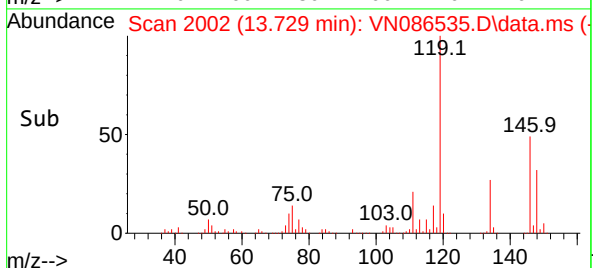
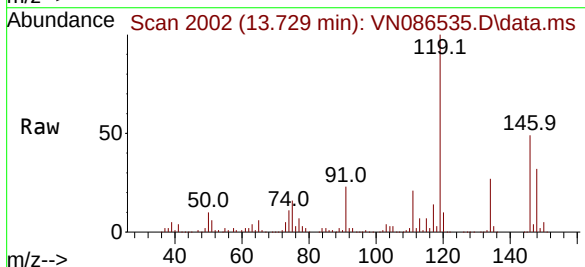
Manual Integrations
APPROVED

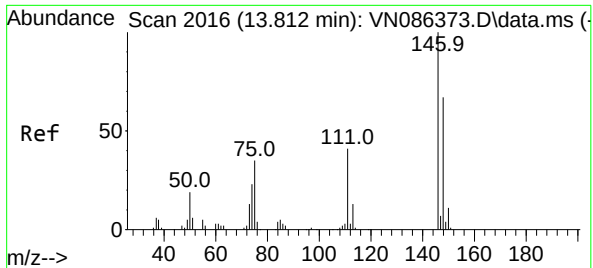
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#83
1,3-Dichlorobenzene
Concen: 22.017 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

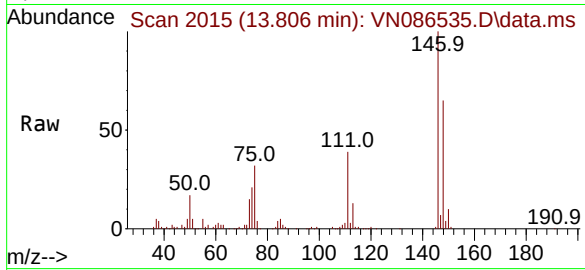
Tgt Ion:146 Resp: 179575
Ion Ratio Lower Upper
146 100
111 41.4 20.7 62.1
148 63.6 32.3 96.8





#84
1,4-Dichlorobenzene
Concen: 22.125 ug/l
RT: 13.806 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

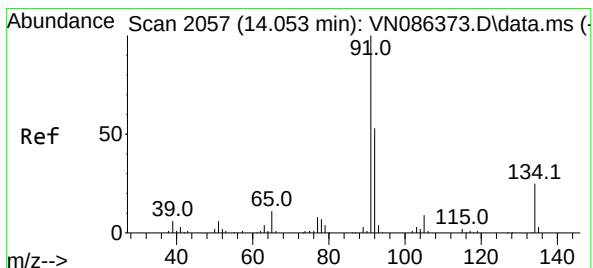
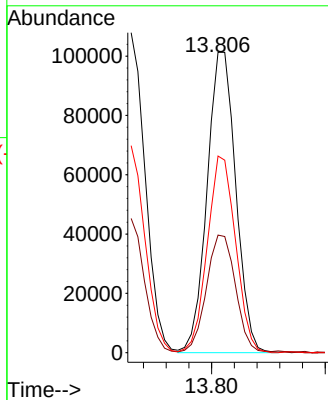
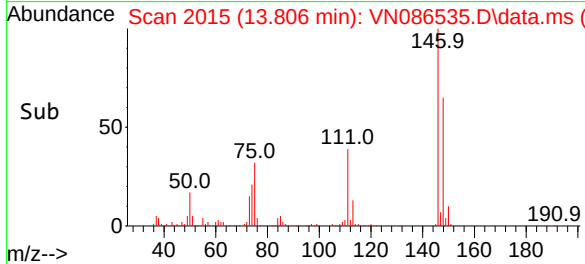
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion:146 Resp: 178292
Ion Ratio Lower Upper
146 100
111 39.6 20.3 60.8
148 64.4 32.4 97.2

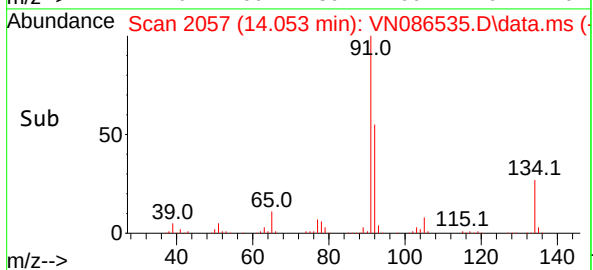
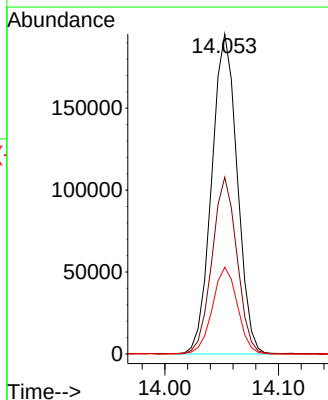
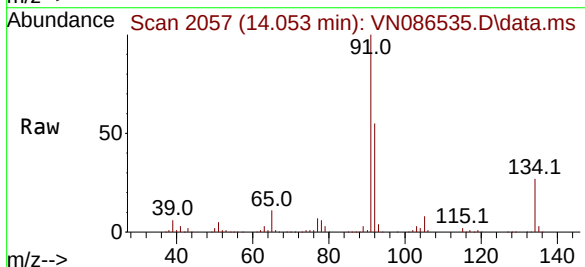
Manual Integrations
APPROVED

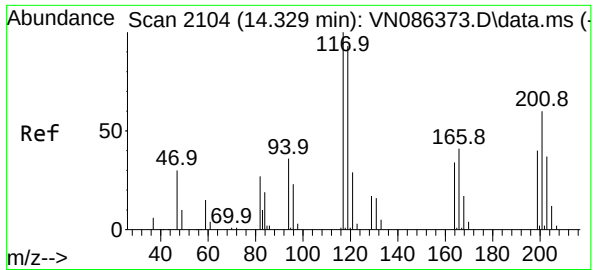
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#85
n-Butylbenzene
Concen: 21.738 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion: 91 Resp: 305551
Ion Ratio Lower Upper
91 100
92 53.8 0.0 107.2
134 26.7 0.0 48.2





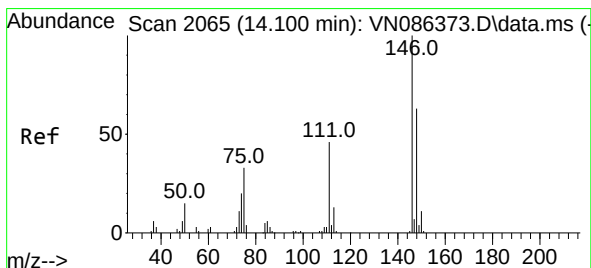
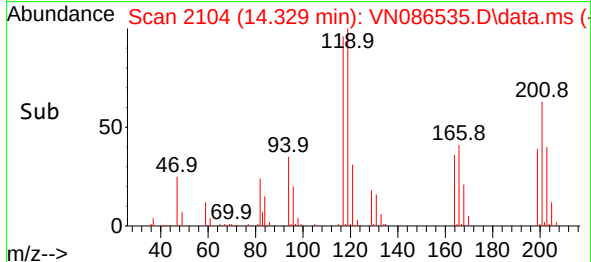
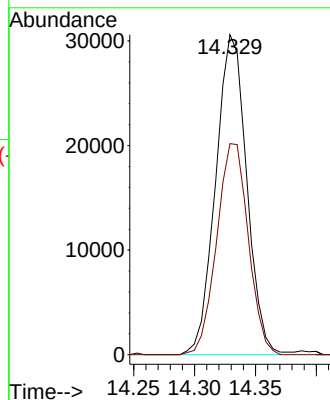
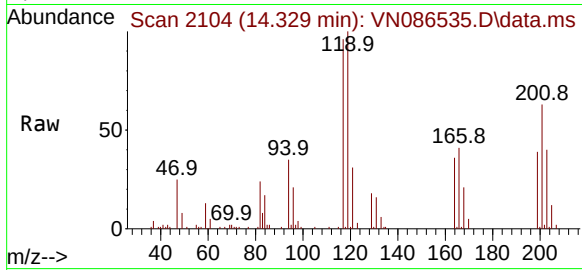
#86
Hexachloroethane
Concen: 21.067 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(MAY)MSD

Tgt Ion:117 Resp: 54260
Ion Ratio Lower Upper
117 100
201 67.1 31.7 95.1

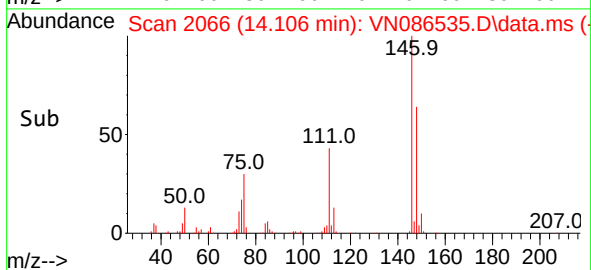
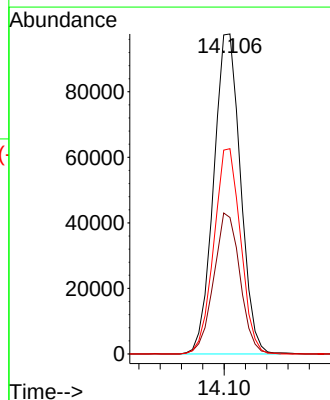
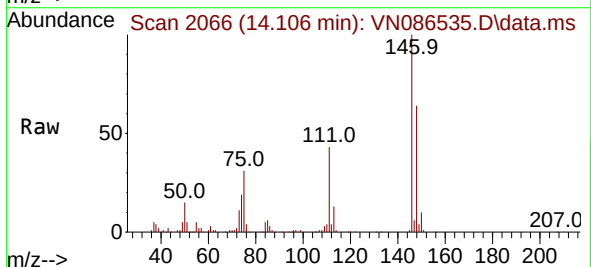
Manual Integrations
APPROVED

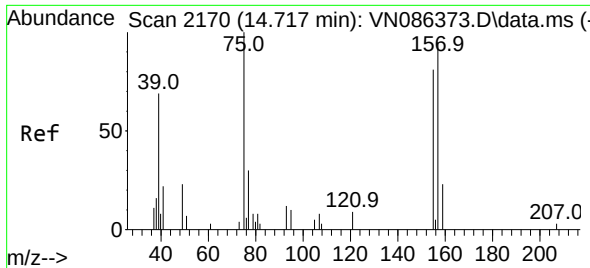
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#87
1,2-Dichlorobenzene
Concen: 21.991 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

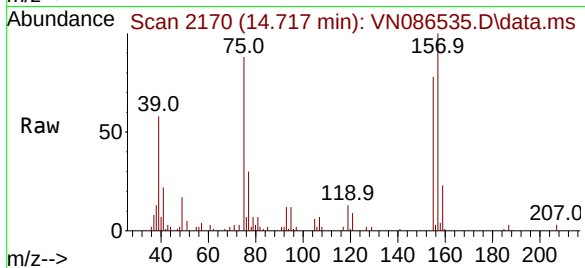
Tgt Ion:146 Resp: 170663
Ion Ratio Lower Upper
146 100
111 43.4 22.1 66.3
148 63.9 32.0 96.0





#88
1,2-Dibromo-3-Chloropropane
Concen: 23.219 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

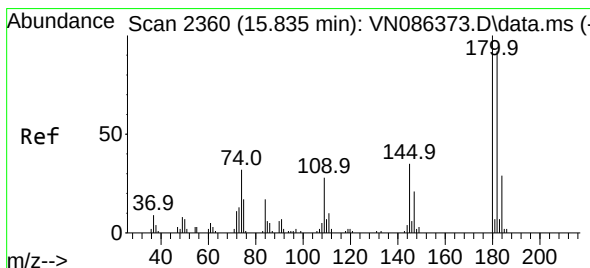
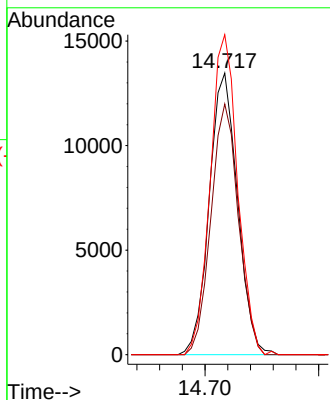
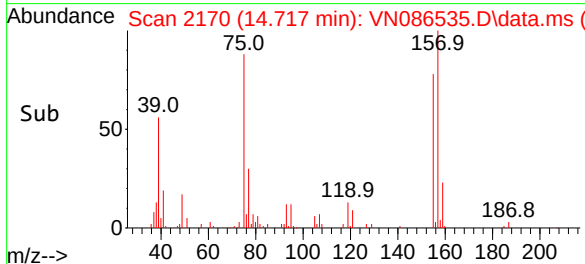
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion: 75 Resp: 2332
Ion Ratio Lower Upper
75 100
155 86.4 64.0 96.0
157 109.7 78.2 117.4

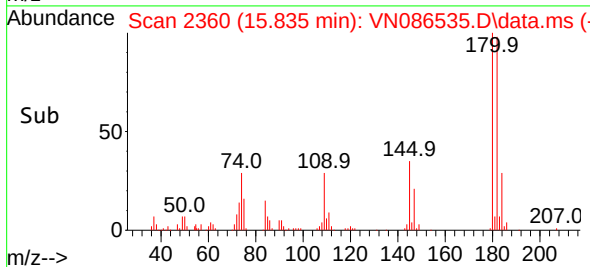
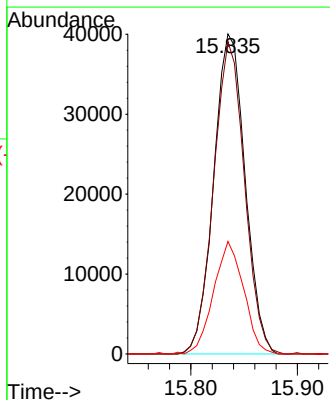
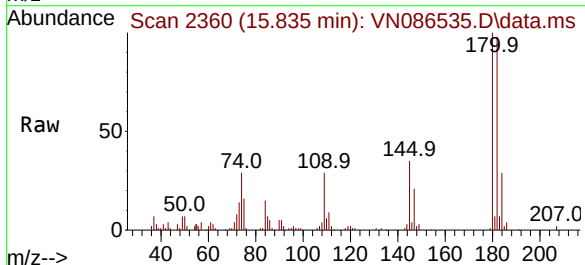
Manual Integrations
APPROVED

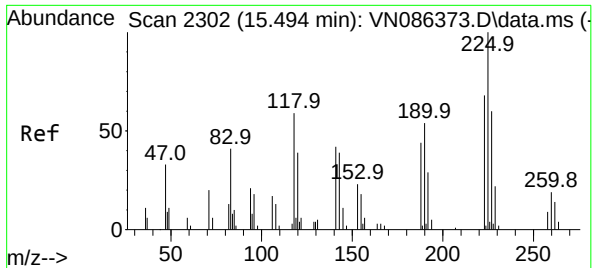
Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



#89
1,2,4-Trichlorobenzene
Concen: 23.184 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

Tgt Ion:180 Resp: 82003
Ion Ratio Lower Upper
180 100
182 95.8 74.8 112.2
145 33.6 26.9 40.3





#90

Hexachlorobutadiene

Concen: 26.338 ug/l

RT: 15.500 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

Instrument :

MSVOA_N

ClientSampleId :

001-WILLETS-PT-BLVD(MAY)MSD

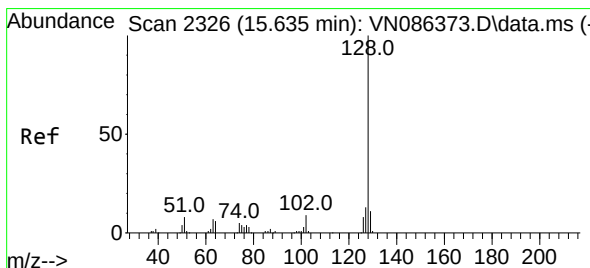
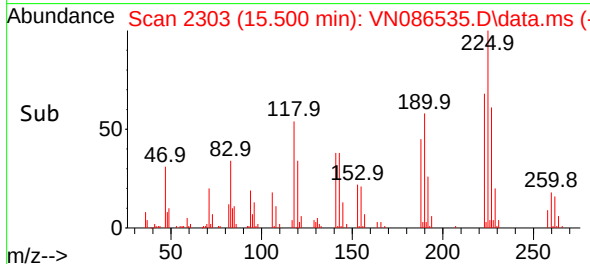
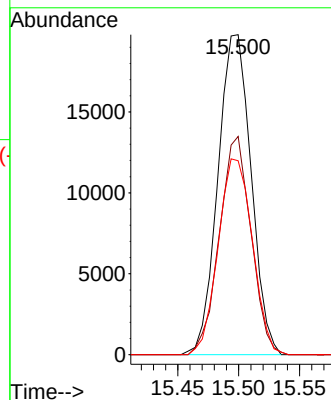
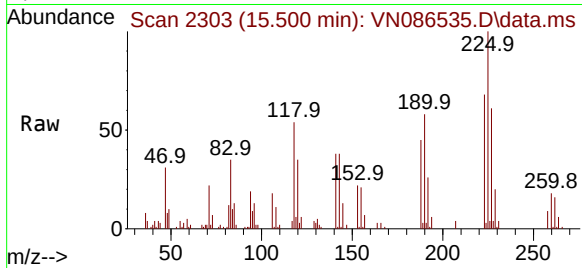
Tgt Ion:	225	Resp:	37520
Ion Ratio	Lower	Upper	
225	100		
223	65.0	0.0	128.8
227	63.0	0.0	120.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/08/2025

Supervised By :Mahesh Dadoda 05/08/2025



#91

Naphthalene

Concen: 23.778 ug/l

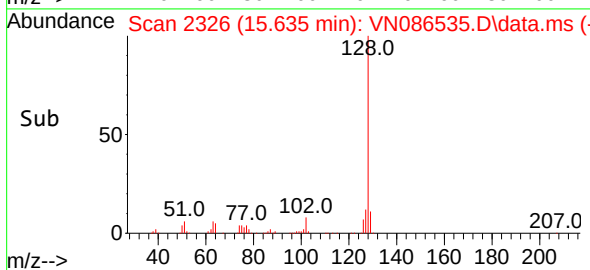
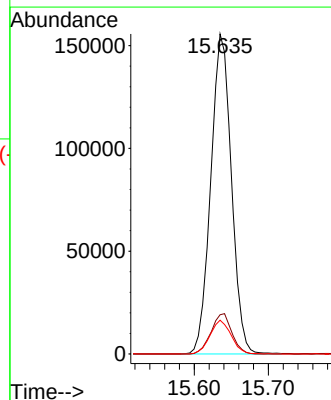
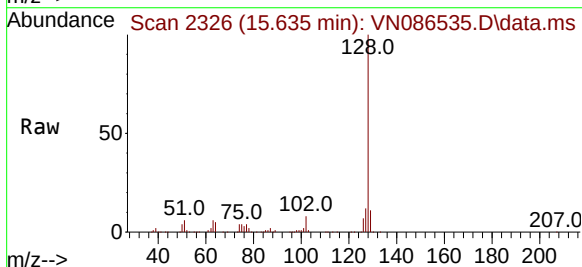
RT: 15.635 min Scan# 2326

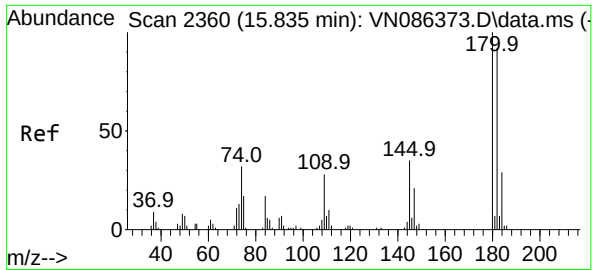
Delta R.T. -0.000 min

Lab File: VN086535.D

Acq: 07 May 2025 15:09

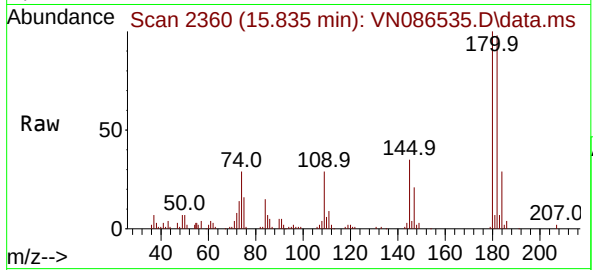
Tgt Ion:	128	Resp:	301103
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	15.8
129	10.7	8.7	13.1





#92
1,2,3-Trichlorobenzene
Concen: 23.184 ug/l
RT: 15.835 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086535.D
Acq: 07 May 2025 15:09

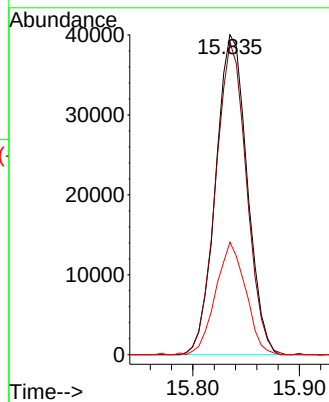
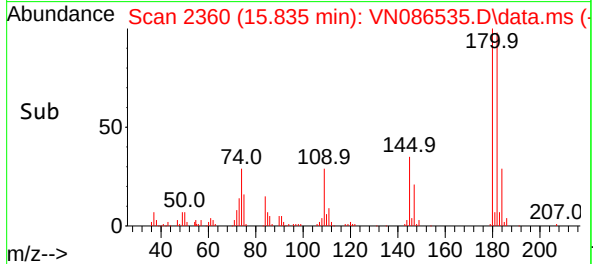
Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(MAY)MSD



Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	187.0
145	33.6	0.0	67.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/08/2025
Supervised By :Mahesh Dadoda 05/08/2025



Manual Integration Report

Sequence:	VN042325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN086372.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:34:57 AM	MMDadoda	4/25/2025 12:52:55 AM	Peak Integrated by Software
VSTDICC005	VN086372.D	Allyl chloride	JOHN	4/24/2025 9:34:57 AM	MMDadoda	4/25/2025 12:52:55 AM	Peak Integrated by Software
VSTDICC005	VN086372.D	Methylene Chloride	JOHN	4/24/2025 9:34:57 AM	MMDadoda	4/25/2025 12:52:55 AM	Peak Integrated by Software
VSTDICC005	VN086372.D	tert-Butyl Alcohol	JOHN	4/24/2025 9:34:57 AM	MMDadoda	4/25/2025 12:52:55 AM	Peak Integrated by Software
VSTDICC005	VN086372.D	trans-1,2-Dichloroethene	JOHN	4/24/2025 9:34:57 AM	MMDadoda	4/25/2025 12:52:55 AM	Peak Integrated by Software
VSTDICCC020	VN086373.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:35:01 AM	MMDadoda	4/25/2025 12:52:56 AM	Peak Integrated by Software
VSTDICCC020	VN086373.D	Acrolein	JOHN	4/24/2025 9:35:01 AM	MMDadoda	4/25/2025 12:52:56 AM	Peak Integrated by Software
VSTDICC150	VN086378.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:35:19 AM	MMDadoda	4/25/2025 12:53:04 AM	Peak Integrated by Software
VSTDICC100	VN086379.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:35:23 AM	MMDadoda	4/25/2025 12:53:06 AM	Peak Integrated by Software
VSTDICC050	VN086380.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:35:27 AM	MMDadoda	4/25/2025 12:53:08 AM	Peak Integrated by Software
VSTDICC050	VN086380.D	tert-Butyl Alcohol	JOHN	4/24/2025 9:35:27 AM	MMDadoda	4/25/2025 12:53:08 AM	Peak Integrated by Software
VSTDICV020	VN086381.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:35:32 AM	MMDadoda	4/25/2025 12:53:10 AM	Peak Integrated by Software
VSTDCCC020	VN086390.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:36:05 AM	MMDadoda	4/25/2025 12:53:19 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VN042325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN086390.D	Acrolein	JOHN	4/24/2025 9:36:05 AM	MMDadoda	4/25/2025 12:53:19 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

vn050725

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN086528.D	1,2,3-Trichloropropane	JOHN	5/8/2025 9:43:31 AM	MMDadoda	5/8/2025 12:27:52 PM	Peak Integrated by Software
VN0507WBS01	VN086529.D	1,2,3-Trichloropropane	JOHN	5/8/2025 9:43:40 AM	MMDadoda	5/8/2025 12:27:53 PM	Peak Integrated by Software
Q1949-02MS	VN086534.D	1,2,3-Trichloropropane	JOHN	5/8/2025 9:43:49 AM	MMDadoda	5/8/2025 12:27:56 PM	Peak Integrated by Software
Q1949-02MS	VN086534.D	n-amyl Acetate	JOHN	5/8/2025 9:43:49 AM	MMDadoda	5/8/2025 12:27:56 PM	Peak Integrated by Software
Q1949-03MSD	VN086535.D	1,2,3-Trichloropropane	JOHN	5/8/2025 9:43:54 AM	MMDadoda	5/8/2025 12:27:57 PM	Peak Integrated by Software
VSTDCCC020	VN086536.D	1,2,3-Trichloropropane	JOHN	5/8/2025 9:43:59 AM	MMDadoda	5/8/2025 12:27:59 PM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN042325

Review By	John Carlone	Review On	4/24/2025 9:37:02 AM
Supervise By	Mahesh Dadoda	Supervise On	4/25/2025 12:53:28 AM
SubDirectory	VN042325	HP Acquire Method	HP Processing Method 624N042325W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133732		
Initial Calibration Stds	VP133733,VP133734,VP133735,VP133736,VP133737		
CCC	VP133739,VP133740,VP133741		
Internal Standard/PEM			
ICV/I.BLK	VP133738		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086371.D	23 Apr 2025 08:43	JC\MD	Ok
2	VSTDIC005	VN086372.D	23 Apr 2025 09:22	JC\MD	Ok,M
3	VSTDICCC020	VN086373.D	23 Apr 2025 09:45	JC\MD	Ok,M
4	VSTDIC020	VN086374.D	23 Apr 2025 10:09	JC\MD	Not Ok
5	VSTDIC050	VN086375.D	23 Apr 2025 10:33	JC\MD	Not Ok
6	VSTDIC100	VN086376.D	23 Apr 2025 10:57	JC\MD	Not Ok
7	IBLK	VN086377.D	23 Apr 2025 11:21	JC\MD	Ok
8	VSTDIC150	VN086378.D	23 Apr 2025 11:53	JC\MD	Ok,M
9	VSTDIC100	VN086379.D	23 Apr 2025 12:37	JC\MD	Ok,M
10	VSTDIC050	VN086380.D	23 Apr 2025 13:17	JC\MD	Ok,M
11	VSTDICV020	VN086381.D	23 Apr 2025 13:53	JC\MD	Ok,M
12	VN0423WBS01	VN086382.D	23 Apr 2025 15:02	JC\MD	Ok,M
13	VN0423WBSD01	VN086383.D	23 Apr 2025 15:36	JC\MD	Ok,M
14	VN0423WBL01	VN086384.D	23 Apr 2025 16:00	JC\MD	Ok
15	Q1833-01	VN086385.D	23 Apr 2025 16:24	JC\MD	Ok
16	IBLK	VN086386.D	23 Apr 2025 16:48	JC\MD	Ok
17	IBLK	VN086387.D	23 Apr 2025 17:12	JC\MD	Ok
18	Q1168-07 2.5PPB	VN086388.D	23 Apr 2025 17:37	JC\MD	Ok,M
19	Q1168-08 5.0PPB	VN086389.D	23 Apr 2025 18:01	JC\MD	Ok,M
20	VSTDCCC020	VN086390.D	23 Apr 2025 18:25	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN050725

Review By	John Carlone	Review On	5/8/2025 9:44:56 AM
Supervise By	Maresh Dadoda	Supervise On	5/8/2025 12:28:16 PM
SubDirectory	VN050725	HP Acquire Method	HP Processing Method 624N042325W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133844		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133845,VP133846		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086527.D	07 May 2025 09:47	JC\MD	Ok
2	VSTDCCC020	VN086528.D	07 May 2025 11:01	JC\MD	Ok,M
3	VN0507WBS01	VN086529.D	07 May 2025 11:38	JC\MD	Ok,M
4	VN0507WBSD01	VN086530.D	07 May 2025 12:12	JC\MD	Ok,M
5	VN0507WBL01	VN086531.D	07 May 2025 12:45	JC\MD	Ok
6	Q1949-01	VN086532.D	07 May 2025 13:20	JC\MD	Ok
7	Q1949-04	VN086533.D	07 May 2025 13:44	JC\MD	Ok
8	Q1949-02MS	VN086534.D	07 May 2025 14:45	JC\MD	Ok,M
9	Q1949-03MSD	VN086535.D	07 May 2025 15:09	JC\MD	Ok,M
10	VSTDCCC020	VN086536.D	07 May 2025 15:53	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN042325

Review By	John Carlone	Review On	4/24/2025 9:37:02 AM
Supervise By	Mahesh Dadoda	Supervise On	4/25/2025 12:53:28 AM
SubDirectory	VN042325	HP Acquire Method	HP Processing Method 624N042325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133732
Initial Calibration Stds	VP133733,VP133734,VP133735,VP133736,VP133737
CCC	VP133739,VP133740,VP133741
Internal Standard/PEM	
ICV/I.BLK	VP133738
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086371.D	23 Apr 2025 08:43		JC\MD	Ok
2	VSTDICC005	VSTDICC005	VN086372.D	23 Apr 2025 09:22		JC\MD	Ok,M
3	VSTDICCC020	VSTDICCC020	VN086373.D	23 Apr 2025 09:45		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN086374.D	23 Apr 2025 10:09	Not used	JC\MD	Not Ok
5	VSTDICC050	VSTDICC050	VN086375.D	23 Apr 2025 10:33	Not used	JC\MD	Not Ok
6	VSTDICC100	VSTDICC100	VN086376.D	23 Apr 2025 10:57	Not used	JC\MD	Not Ok
7	IBLK	IBLK	VN086377.D	23 Apr 2025 11:21		JC\MD	Ok
8	VSTDICC150	VSTDICC150	VN086378.D	23 Apr 2025 11:53		JC\MD	Ok,M
9	VSTDICC100	VSTDICC100	VN086379.D	23 Apr 2025 12:37	Comp.#13 is on Linear Regression	JC\MD	Ok,M
10	VSTDICC050	VSTDICC050	VN086380.D	23 Apr 2025 13:17		JC\MD	Ok,M
11	VSTDICV020	ICVVN042325	VN086381.D	23 Apr 2025 13:53		JC\MD	Ok,M
12	VN0423WBS01	VN0423WBS01	VN086382.D	23 Apr 2025 15:02		JC\MD	Ok,M
13	VN0423WBSD01	VN0423WBSD01	VN086383.D	23 Apr 2025 15:36		JC\MD	Ok,M
14	VN0423WBL01	VN0423WBL01	VN086384.D	23 Apr 2025 16:00		JC\MD	Ok
15	Q1833-01	EFF-WASTE-WATER	VN086385.D	23 Apr 2025 16:24	vial B pH<2	JC\MD	Ok
16	IBLK	IBLK	VN086386.D	23 Apr 2025 16:48		JC\MD	Ok
17	IBLK	IBLK	VN086387.D	23 Apr 2025 17:12		JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN042325

Review By	John Carlone	Review On	4/24/2025 9:37:02 AM
Supervise By	Maresh Dadoda	Supervise On	4/25/2025 12:53:28 AM
SubDirectory	VN042325	HP Acquire Method	HP Processing Method 624N042325W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133732		
Initial Calibration Stds	VP133733,VP133734,VP133735,VP133736,VP133737		
CCC	VP133739,VP133740,VP133741		
Internal Standard/PEM			
ICV/I.BLK	VP133738		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q1168-07 2.5PPB	LOD-MDL-WATER-01-0	VN086388.D	23 Apr 2025 17:37		JC\MD	Ok,M
19	Q1168-08 5.0PPB	LOQ-WATER-02-QT1-2	VN086389.D	23 Apr 2025 18:01		JC\MD	Ok,M
20	VSTDCCC020	VSTDCCC020EC	VN086390.D	23 Apr 2025 18:25		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN050725

Review By	John Carlone	Review On	5/8/2025 9:44:56 AM
Supervise By	Maresh Dadoda	Supervise On	5/8/2025 12:28:16 PM
SubDirectory	VN050725	HP Acquire Method	HP Processing Method 624N042325W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133844
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133845,VP133846

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086527.D	07 May 2025 09:47		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN086528.D	07 May 2025 11:01	pH#Lot#V12668	JC\MD	Ok,M
3	VN0507WBS01	VN0507WBS01	VN086529.D	07 May 2025 11:38		JC\MD	Ok,M
4	VN0507WBSD01	VN0507WBSD01	VN086530.D	07 May 2025 12:12		JC\MD	Ok,M
5	VN0507WBL01	VN0507WBL01	VN086531.D	07 May 2025 12:45		JC\MD	Ok
6	Q1949-01	001-WILLETS-PT-BLVD	VN086532.D	07 May 2025 13:20	vial A pH<2	JC\MD	Ok
7	Q1949-04	002-35TH-AVE(MAY)	VN086533.D	07 May 2025 13:44	vial A pH<2	JC\MD	Ok
8	Q1949-02MS	001-WILLETS-PT-BLVD	VN086534.D	07 May 2025 14:45		JC\MD	Ok,M
9	Q1949-03MSD	001-WILLETS-PT-BLVD	VN086535.D	07 May 2025 15:09		JC\MD	Ok,M
10	VSTDCCC020	VSTDCCC020EC	VN086536.D	07 May 2025 15:53		JC\MD	Ok,M

M : Manual Integration



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q1949/50

COC Number:

CLIENT INFORMATION

PROJECT INFORMATION

BILLING INFORMATION

COMPANY: Tully Environmental Inc.
ADDRESS: 57 Seaview Blvd
CITY: Pt Washington STATE: NY ZIP: 11050
ATTENTION: Dean Devoe
PHONE: 718 446 7000 FAX:

PROJECT NAME: Transfer Station SPDES
PROJECT #: 252113 LOCATION:
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILL TO: Same PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

ANALYSIS

TSS	Cu, Pb, Fe	BTEX	Hg 1631LL	Ammonia	BOD5				
1	2	3	4	5	6	7	8	9	

PRESERVATIVES

COMMENTS

FAX: _____ DAYS*
HARD COPY: _____ DAYS*
EDD _____ DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

* RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	001 Willets Pt Blvd (May)	W		X	5/1/25	12:30	14	X	X	X	X	X	X				pH 1.9 / pH 1.3
2.	002 35th Ave (May)	W		X	5/1/25	12:30	13	X	X	X	X	X	X				pH 1.9 / pH 1.3
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 1. D Devoe	DATE/TIME May 1, 2025	RECEIVED BY 1.	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 43.5 MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler? yes Comments: IR-Gon #1 "Adjust Factor + 1"				
RELINQUISHED BY 2.	DATE/TIME y8	RECEIVED BY 2. 11:20					
RELINQUISHED BY 3.	DATE/TIME y8	RECEIVED FOR LAB BY 3. 5/2/25					
Page _____ of _____			SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight				
			Shipment Complete ☐ YES ☐ NO				

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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 : Q1949	TULL01	Order Date : 5/2/2025 11:56:00 AM	Project Mgr : Yazmeen
Client Name : Tully Environmental, Inc		Project Name : Transfer Station-SPDES	Report Type : Results Only
Client Contact : Dean Devoe		Receive DateTime : 5/2/2025 11:20:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Tully Environmental, Inc		Purchase Order :	Hard Copy Date :
Invoice Contact : Dean Devoe			Date Signoff : 5/2/2025 12:51:40 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1949-01	001-WILLETS-PT-BLVD(MAY)	Water	05/01/2025	12:30	VOC-BTEX		624.1	5 Bus. Days	
Q1949-02	Q1949-01MS	Water	05/01/2025	12:30	VOC-BTEX		624.1	5 Bus. Days	
Q1949-03	Q1949-01MSD	Water	05/01/2025	12:30	VOC-BTEX		624.1	5 Bus. Days	
Q1949-04	002-35TH-AVE(MAY)	Water	05/01/2025	12:30	VOC-BTEX		624.1	5 Bus. Days	

Relinquished By : 

Date / Time : 5/2/25 12:55

Received By : 

Date / Time : 5/2/25 12:55

Storage Area : VOA Refridgerator Room