

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

LAB CHRONICLE

OrderID:	Q1319	OrderDate:	2/6/2025 11:02:00 AM
Client:	Tully Environmental, Inc	Project:	Transfer Station-SPDES
Contact:	Dean Devoe	Location:	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1319-01	001-WILLETS-PT-BLV D(JAN)	Water			02/05/25			02/06/25
			VOC-BTEX	624.1			02/07/25	
Q1319-02	002-35TH-AVE(JAN)	Water			02/05/25			02/06/25
			VOC-BTEX	624.1			02/07/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q1319
Client: Tully Environmental, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q1319-01	001-WILLETS-PT-BLVD(JAN) 001-WILLETS-PT-BLVD Water		Toluene	14.4		0.72	5.00	ug/L
			Total Voc :	14.4				
			Total Concentration:	14.4				
Client ID: Q1319-02	002-35TH-AVE(JAN) 002-35TH-AVE(JAN) Water		Toluene	15.5		0.72	5.00	ug/L
			Total Voc :	15.5				
			Total Concentration:	15.5				



QC SUMMARY

Surrogate Summary

SDG No.: Q1319

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1319-01	001-WILLETS-PT-BLVD(JAN)	1,2-Dichloroethane-d4	30	28.8	96	91	110
		Toluene-d8	30	30.2	101	91	112
		4-Bromofluorobenzene	30	27.2	91	63	112
Q1319-02	002-35TH-AVE(JAN)	1,2-Dichloroethane-d4	30	28.5	95	91	110
		Toluene-d8	30	30.6	102	91	112
		4-Bromofluorobenzene	30	28.0	93	63	112
VX0207WBL01	VX0207WBL01	1,2-Dichloroethane-d4	30	29.3	98	91	110
		Toluene-d8	30	30.4	101	91	112
		4-Bromofluorobenzene	30	31.4	105	63	112
VX0207WBS01	VX0207WBS01	1,2-Dichloroethane-d4	30	28.8	96	91	110
		Toluene-d8	30	29.8	99	91	112
		4-Bromofluorobenzene	30	28.8	96	63	112
VX0207WBSD0	VX0207WBSD01	1,2-Dichloroethane-d4	30	29.4	98	91	110
		Toluene-d8	30	29.3	98	91	112
		4-Bromofluorobenzene	30	29.1	97	63	112

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1319

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Datafile : VX044857.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0207WBS01	Benzene	20	21.0	ug/L	105			65	135	
	Toluene	20	20.7	ug/L	104			70	130	
	Ethyl Benzene	20	20.8	ug/L	104			60	140	
	m/p-Xylenes	40	43.0	ug/L	108			87	111	
	o-Xylene	20	21.5	ug/L	108			87	111	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1319

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Datafile : VX044858.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0207WBSD01	Benzene	20	21.6	ug/L	108	3		65	135	20
	Toluene	20	20.7	ug/L	104	0		70	130	20
	Ethyl Benzene	20	20.8	ug/L	104	0		60	140	20
	m/p-Xylenes	40	42.8	ug/L	107	1		87	111	20
	o-Xylene	20	21.2	ug/L	106	2		87	111	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0207WBL01

Lab Name: CHEMTECH

Contract: TULL01

Lab Code: CHEM Case No.: Q1319

SAS No.: Q1319 SDG NO.: Q1319

Lab File ID: VX044859.D

Lab Sample ID: VX0207WBL01

Date Analyzed: 02/07/2025

Time Analyzed: 11:24

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0207WBS01	VX0207WBS01	VX044857.D	02/07/2025
VX0207WBSD01	VX0207WBSD01	VX044858.D	02/07/2025
001-WILLETS-PT-BLVD (JAN)	Q1319-01	VX044860.D	02/07/2025
002-35TH-AVE (JAN)	Q1319-02	VX044861.D	02/07/2025

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL01
Lab Code: CHEM Case No.: Q1319 SAS No.: Q1319 SDG NO.: Q1319
Lab File ID: VX044658.D BFB Injection Date: 01/16/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:02
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	66.7
175	5.0 - 9.0% of mass 174	4.7 (7) 1
176	95.0 - 101.0% of mass 174	64.7 (97) 1
177	5.0 - 9.0% of mass 176	4.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VX044659.D	01/16/2025	08:39
VSTDIC020	VSTDIC020	VX044660.D	01/16/2025	09:02
VSTDIC050	VSTDIC050	VX044661.D	01/16/2025	09:25
VSTDIC100	VSTDIC100	VX044662.D	01/16/2025	09:49
VSTDIC150	VSTDIC150	VX044663.D	01/16/2025	10:12



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TULL01
Lab Code: CHEM Case No.: Q1319 SAS No.: Q1319 SDG NO.: Q1319
Lab File ID: VX044855.D BFB Injection Date: 02/07/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:33
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	51.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	72.5
175	5.0 - 9.0% of mass 174	5.4 (7.4) 1
176	95.0 - 101.0% of mass 174	69.9 (96.4) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VX044856.D	02/07/2025	10:01
VX0207WBS01	VX0207WBS01	VX044857.D	02/07/2025	10:33
VX0207WBSD01	VX0207WBSD01	VX044858.D	02/07/2025	11:01
VX0207WBL01	VX0207WBL01	VX044859.D	02/07/2025	11:24
001-WILLETS-PT-BLVD (JAN)	Q1319-01	VX044860.D	02/07/2025	11:53
002-35TH-AVE (JAN)	Q1319-02	VX044861.D	02/07/2025	12:16

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TULL01
Lab Code: CHEM Case No.: Q1319 SAS No.: Q1319 SDG NO.: Q1319
Lab File ID: VX044856.D Date Analyzed: 02/07/2025
Instrument ID: MSVOA_X Time Analyzed: 10:01
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	21982	4.89	127777	6.75	110326	10.05
UPPER LIMIT	43964	5.391	255554	7.251	220652	10.549
LOWER LIMIT	10991	4.391	63888.5	6.251	55163	9.549
EPA SAMPLE NO.						
001-WILLETS-PT-BLVD (JAN)	23812	4.89	133041	6.76	120992	10.05
002-35TH-AVE (JAN)	17858	4.90	100352	6.76	88457	10.05
VX0207WBL01	20510	4.90	114099	6.76	99648	10.05
VX0207WBS01	21269	4.89	121245	6.75	109254	10.05
VX0207WBSD01	19387	4.89	108776	6.76	100274	10.05

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.



SAMPLE DATA

Report of Analysis

Client:	Tully Environmental, Inc			Date Collected:	02/05/25	
Project:	Transfer Station-SPDES			Date Received:	02/06/25	
Client Sample ID:	001-WILLETTS-PT-BLVD(JAN)			SDG No.:	Q1319	
Lab Sample ID:	Q1319-01			Matrix:	Water	
Analytical Method:	E624.1			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOC-BTEX	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044860.D	1		02/07/25 11:53	VX020725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
108-88-3	Toluene	14.4		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.8		91 - 110	96%	SPK: 30
2037-26-5	Toluene-d8	30.2		91 - 112	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.2		63 - 112	91%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	23800	4.891			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	121000	10.049			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044860.D
 Acq On : 07 Feb 2025 11:53
 Operator : JC/MD
 Sample : Q1319-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
ClientSampleId :
 001-WILLETS-PT-BLVD(JAN)

Manual Integrations
APPROVED

Reviewed By : John Carlone 02/07/2025
 Supervised By : Mahesh Dadoda 02/10/2025

Quant Time: Feb 07 12:18:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	23812	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	133041	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	120992	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	66138	28.771	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.900%
60) 4-Bromofluorobenzene	11.079	95	63969	27.220	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.733%
63) Toluene-d8	8.647	98	198482	30.161	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.533%
Target Compounds						
						Qvalue
15) Acetone	2.380	58	6210	24.734	ug/l	84
25) Chloroform	5.099	83	1613m	0.475	ug/l	
62) Toluene	8.714	91	114805	14.410	ug/l	97
82) p-Isopropyltoluene	12.006	119	4924	0.745	ug/l	99

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

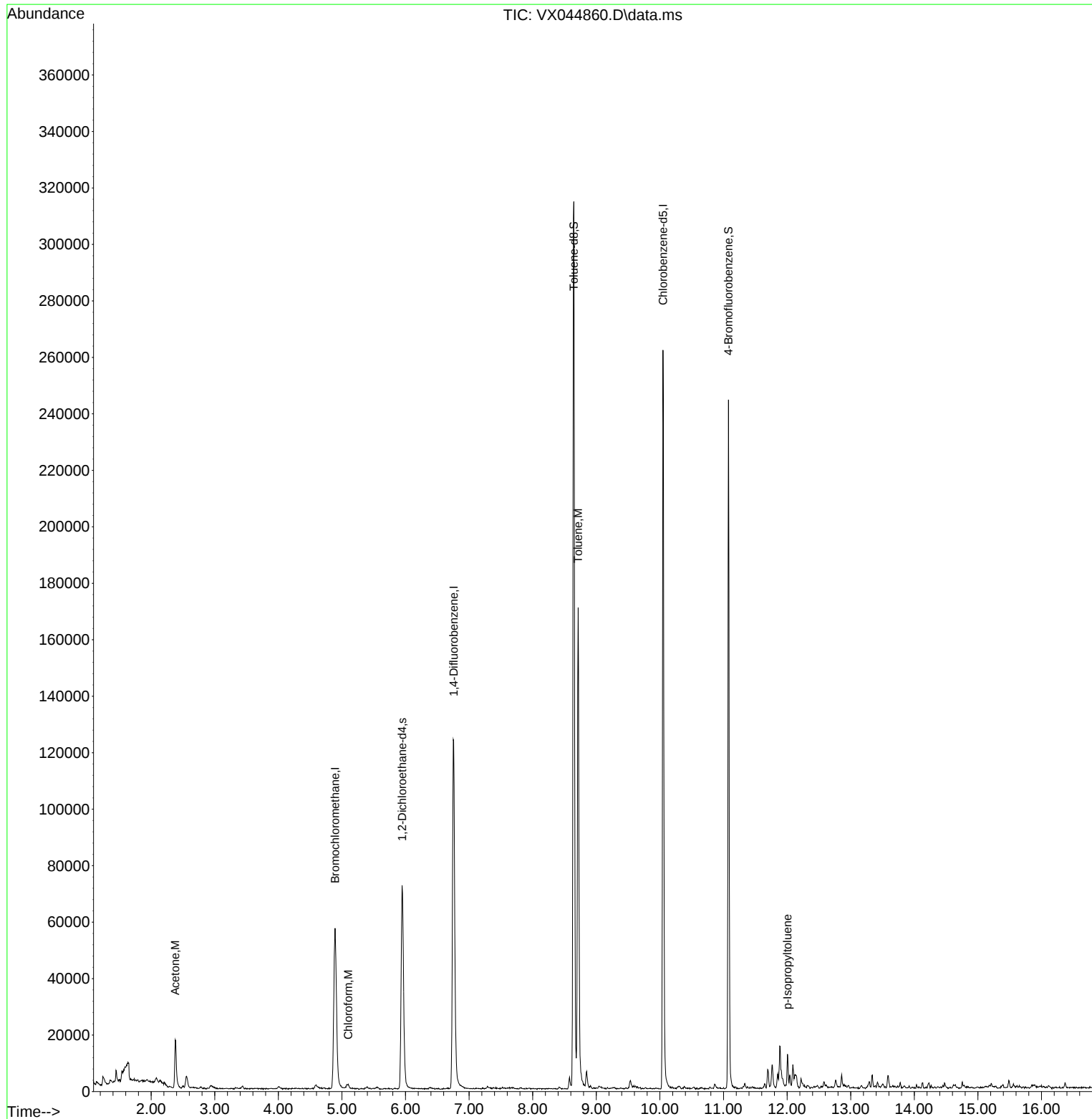
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Data File : VX044860.D
Acq On : 07 Feb 2025 11:53
Operator : JC/MD
Sample : Q1319-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

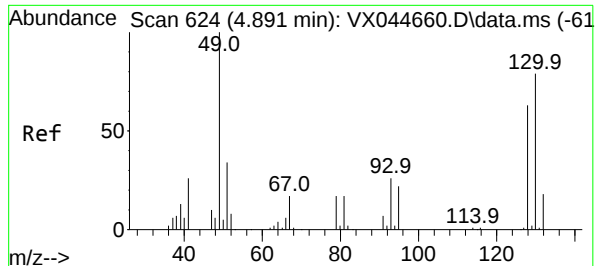
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JAN)

Quant Time: Feb 07 12:18:55 2025
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

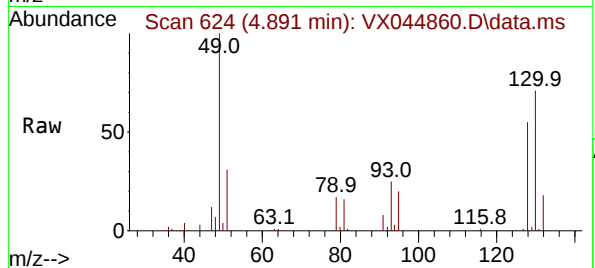
Reviewed By :John Carlone 02/07/2025
Supervised By :Mahesh Dadoda 02/10/2025





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044860.D
Acq: 07 Feb 2025 11:53

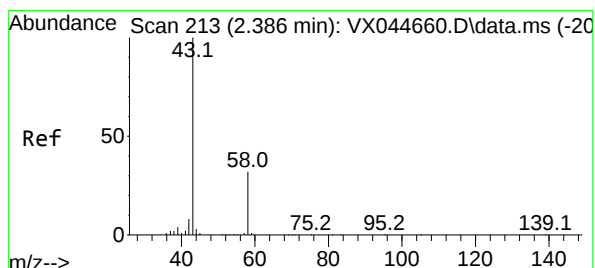
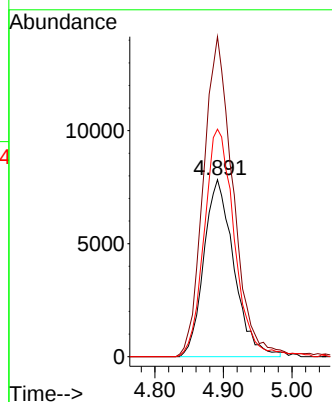
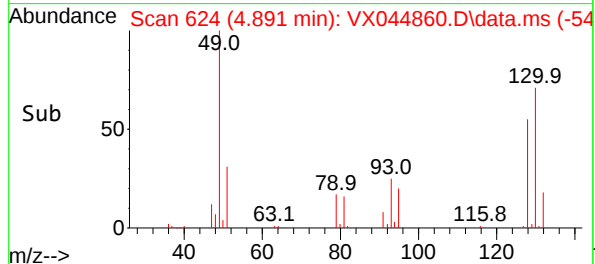
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JAN)



Tgt Ion:128 Resp: 2381
Ion Ratio Lower Upper
128 100
49 178.5 0.0 411.5
130 129.1 0.0 324.3

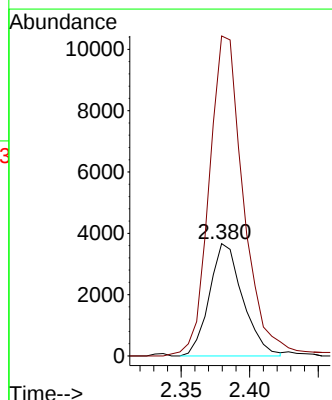
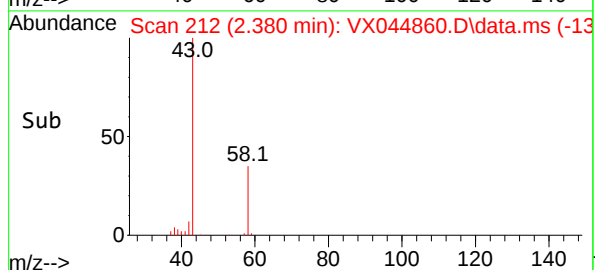
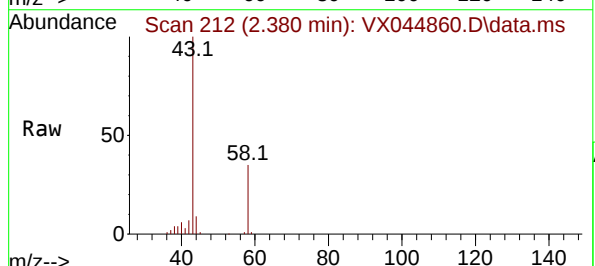
Manual Integrations
APPROVED

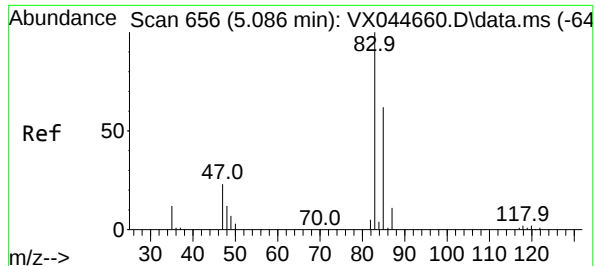
Reviewed By :John Carlone 02/07/2025
Supervised By :Mahesh Dadoda 02/10/2025



#15
Acetone
Concen: 24.734 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044860.D
Acq: 07 Feb 2025 11:53

Tgt Ion: 58 Resp: 6210
Ion Ratio Lower Upper
58 100
43 281.1 251.0 376.4





#25

Chloroform

Concen: 0.475 ug/l m

RT: 5.099 min Scan# 656

Delta R.T. 0.012 min

Lab File: VX044860.D

Acq: 07 Feb 2025 11:53

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JAN)

Tgt Ion: 83 Resp: 161

Ion Ratio Lower Upper

83 100

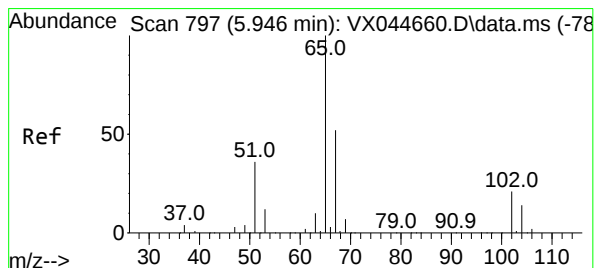
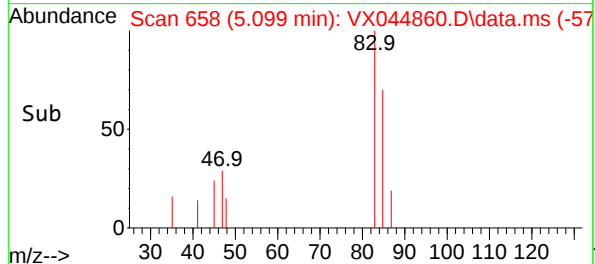
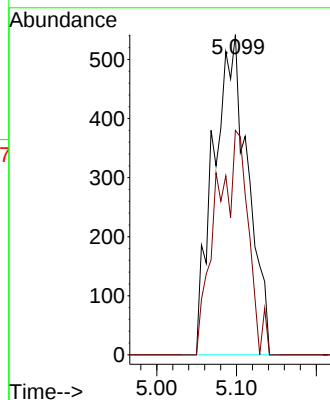
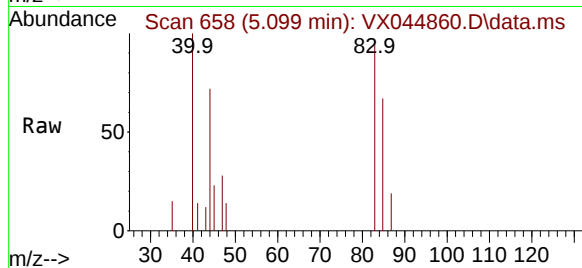
85 70.1 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/07/2025

Supervised By :Mahesh Dadoda 02/10/2025



#27

1,2-Dichloroethane-d4

Concen: 28.771 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX044860.D

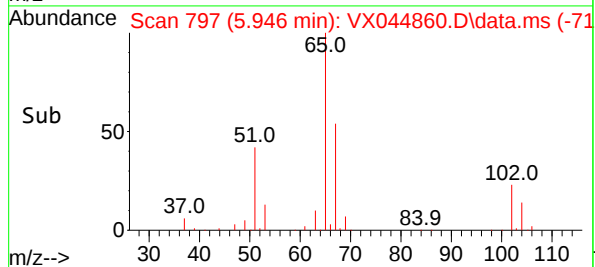
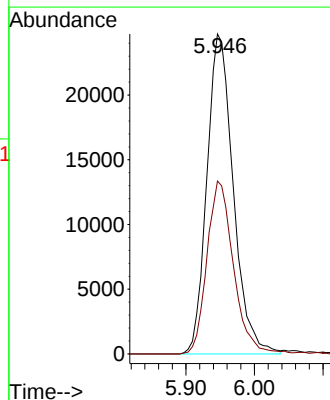
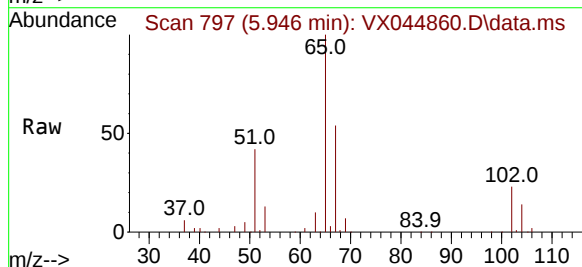
Acq: 07 Feb 2025 11:53

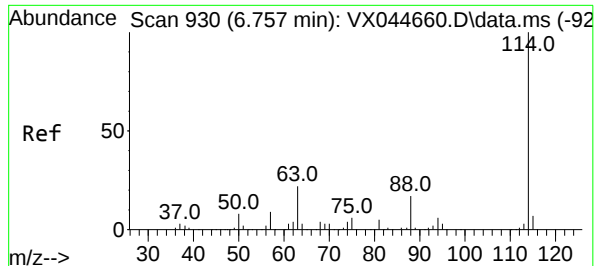
Tgt Ion: 65 Resp: 66138

Ion Ratio Lower Upper

65 100

67 54.0 41.4 62.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX044860.D

Acq: 07 Feb 2025 11:53

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JAN)

Tgt Ion:114 Resp: 13304

Ion Ratio Lower Upper

114 100

63 21.3 16.6 24.8

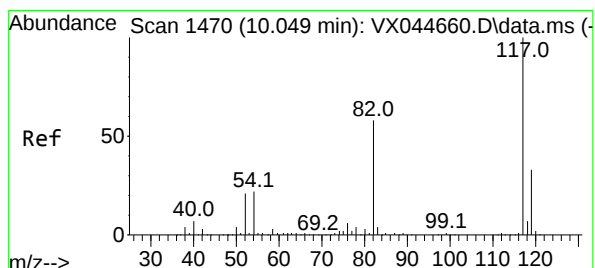
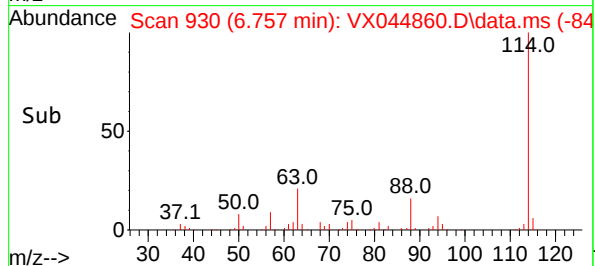
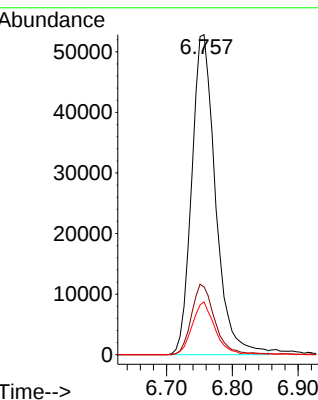
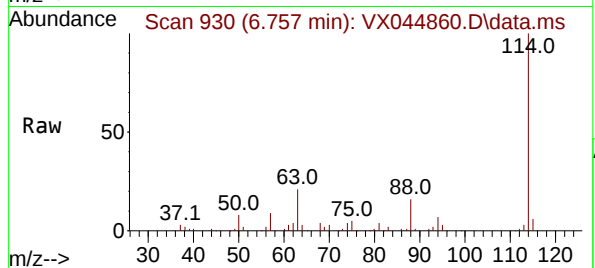
88 15.5 13.4 20.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/07/2025

Supervised By :Mahesh Dadoda 02/10/2025



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044860.D

Acq: 07 Feb 2025 11:53

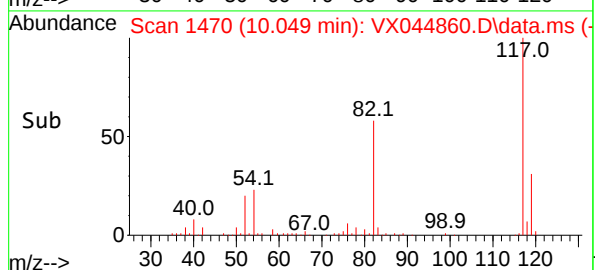
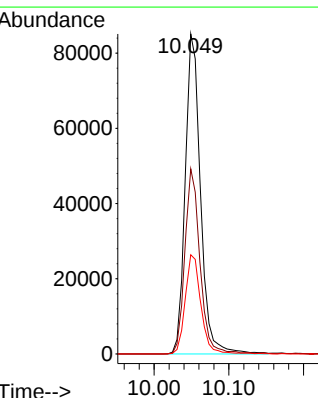
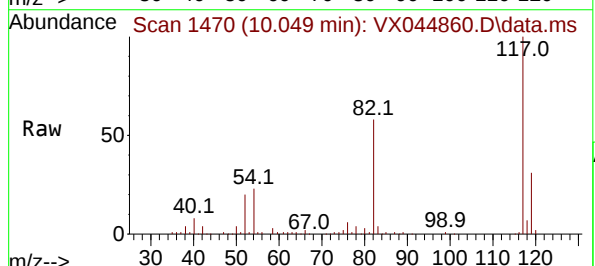
Tgt Ion:117 Resp: 120992

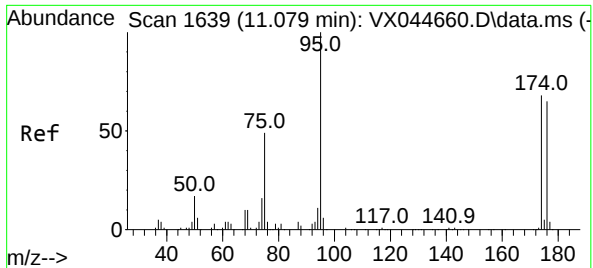
Ion Ratio Lower Upper

117 100

82 56.2 45.8 68.6

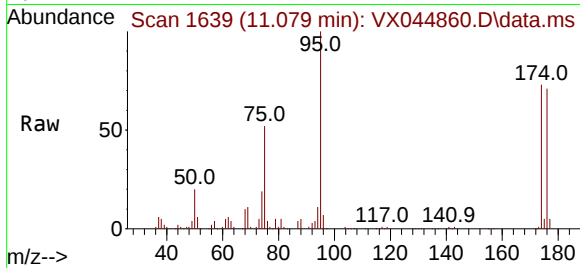
119 31.8 25.8 38.6





#60
4-Bromofluorobenzene
Concen: 27.220 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044860.D
Acq: 07 Feb 2025 11:53

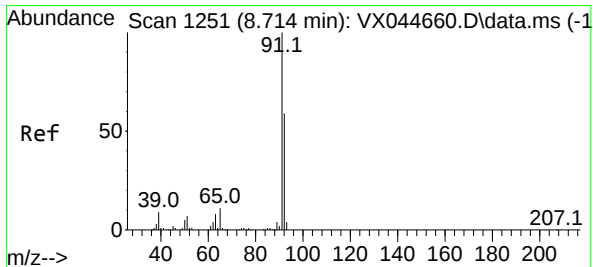
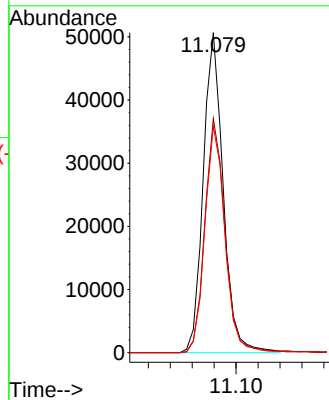
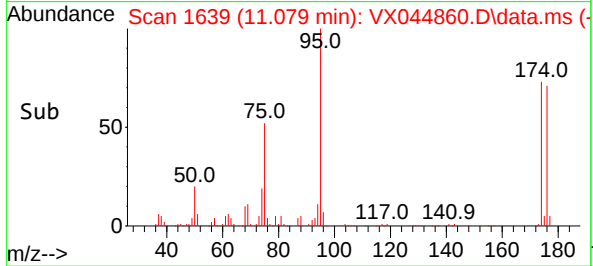
Instrument : MSVOA_X
ClientSampleId : 001-WILLETS-PT-BLVD(JAN)



Tgt Ion: 95 Resp: 63969
Ion Ratio Lower Upper
95 100
174 74.4 54.6 81.8
176 71.2 52.8 79.2

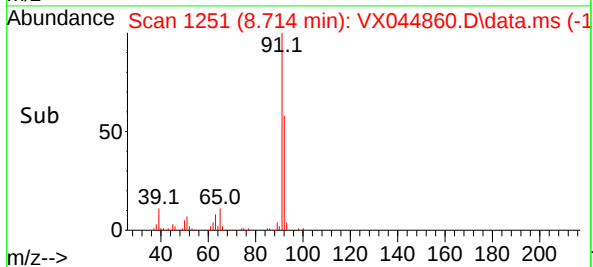
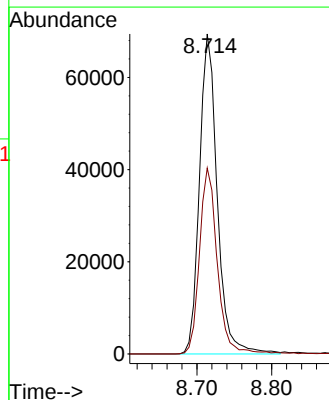
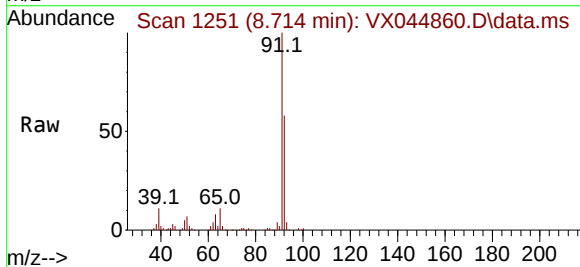
Manual Integrations
APPROVED

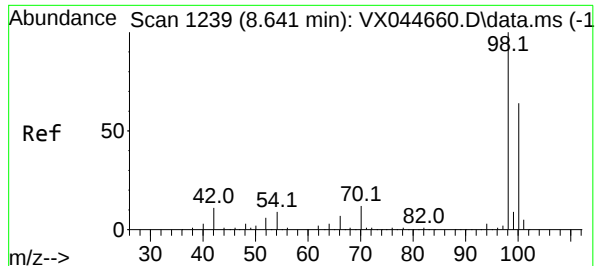
Reviewed By :John Carlone 02/07/2025
Supervised By :Mahesh Dadoda 02/10/2025



#62
Toluene
Concen: 14.410 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044860.D
Acq: 07 Feb 2025 11:53

Tgt Ion: 91 Resp: 114805
Ion Ratio Lower Upper
91 100
92 56.6 47.3 70.9





#63

Toluene-d8

Concen: 30.161 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX044860.D

Acq: 07 Feb 2025 11:53

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JAN)

Tgt Ion: 98 Resp: 19848

Ion Ratio Lower Upper

98 100

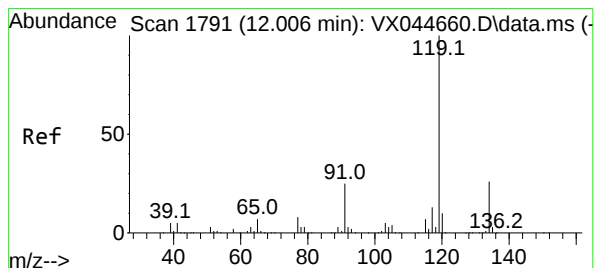
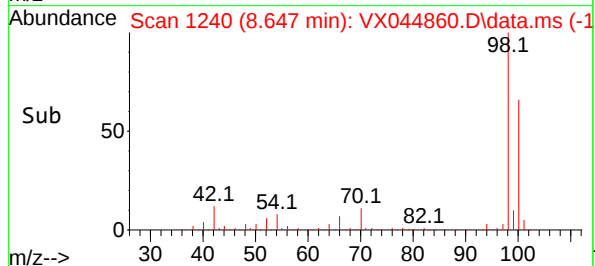
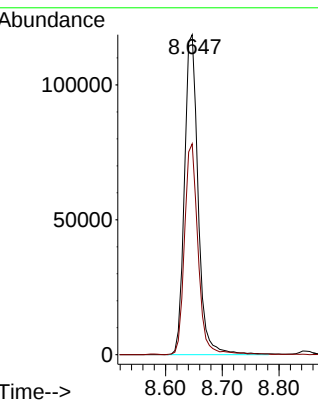
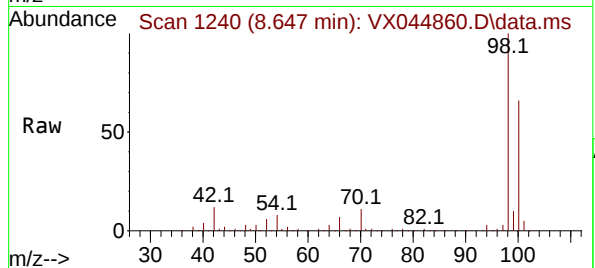
100 64.9 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/07/2025

Supervised By :Mahesh Dadoda 02/10/2025



#82

p-Isopropyltoluene

Concen: 0.745 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044860.D

Acq: 07 Feb 2025 11:53

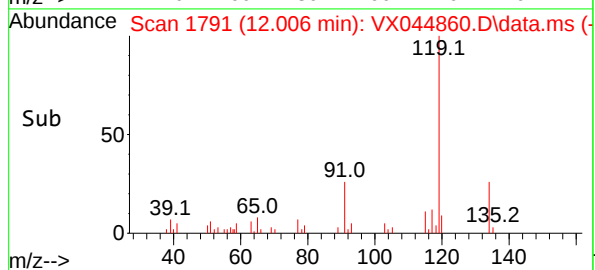
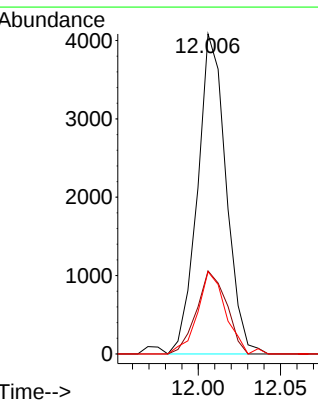
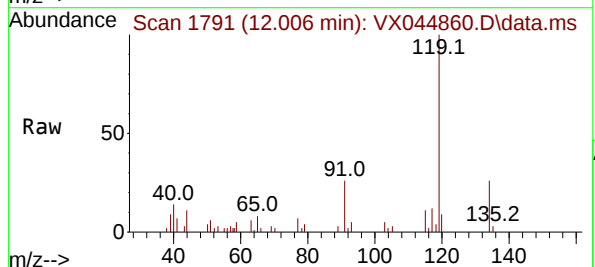
Tgt Ion:119 Resp: 4924

Ion Ratio Lower Upper

119 100

134 27.1 0.0 52.2

91 25.1 0.0 50.2



Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	02/05/25
Project:	Transfer Station-SPDES	Date Received:	02/06/25
Client Sample ID:	002-35TH-AVE(JAN)	SDG No.:	Q1319
Lab Sample ID:	Q1319-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044861.D	1		02/07/25 12:16	VX020725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
108-88-3	Toluene	15.5		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.5		91 - 110	95%	SPK: 30
2037-26-5	Toluene-d8	30.5		91 - 112	102%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.0		63 - 112	93%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	17900	4.898			
540-36-3	1,4-Difluorobenzene	100000	6.757			
3114-55-4	Chlorobenzene-d5	88500	10.049			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044861.D
 Acq On : 07 Feb 2025 12:16
 Operator : JC/MD
 Sample : Q1319-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(JAN)

Quant Time: Feb 07 12:41:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

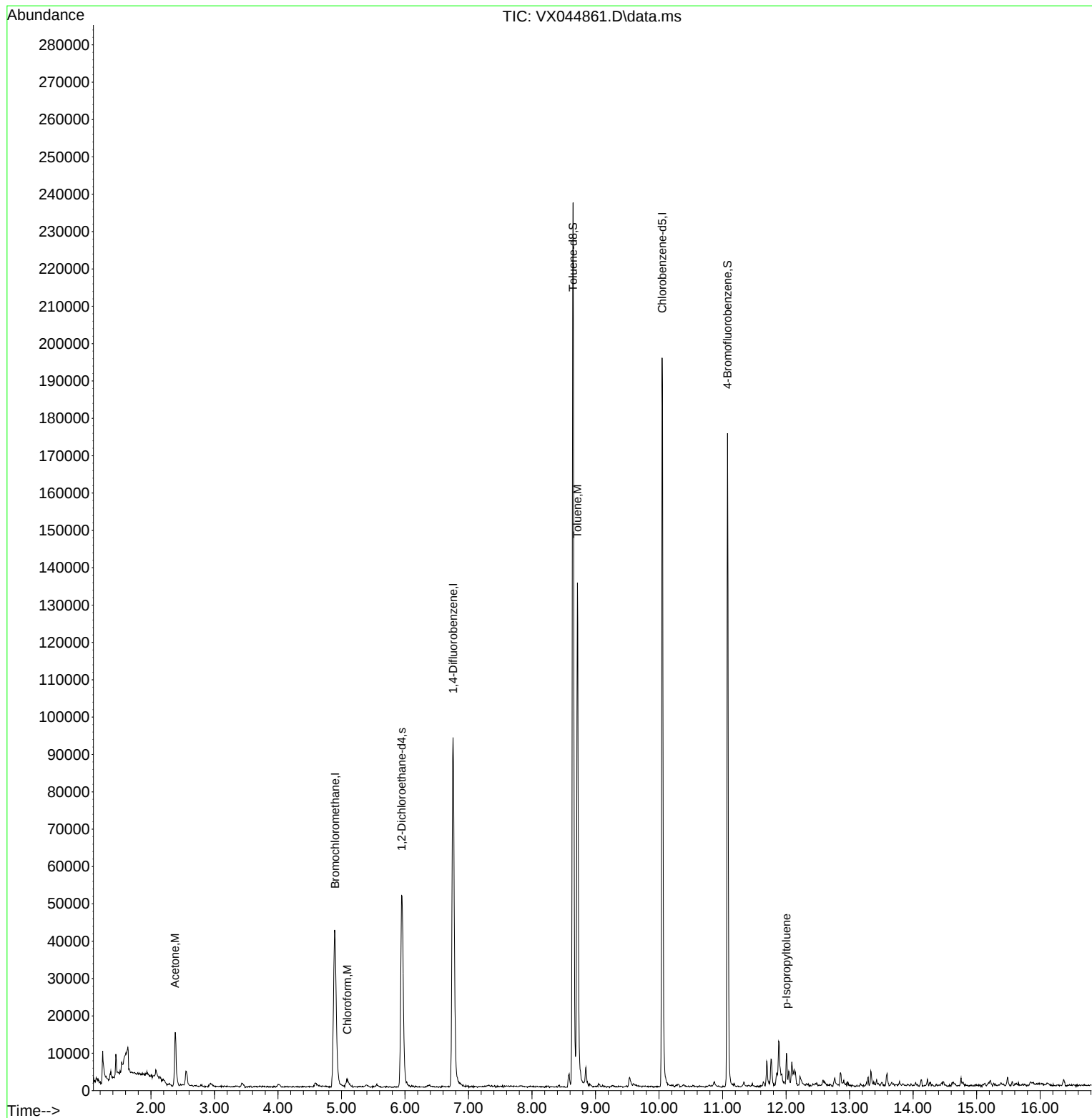
Internal Standards						
1) Bromochloromethane	4.898	128	17858	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	100352	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	88457	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	49084	28.471	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.900%		
60) 4-Bromofluorobenzene	11.079	95	48085	27.987	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.300%		
63) Toluene-d8	8.647	98	146971	30.548	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.833%		
Target Compounds						
15) Acetone	2.380	58	5137	27.282	ug/l	92
25) Chloroform	5.093	83	1751	0.688	ug/l #	79
62) Toluene	8.714	91	90313	15.505	ug/l	97
82) p-Isopropyltoluene	12.006	119	3864	0.799	ug/l	92

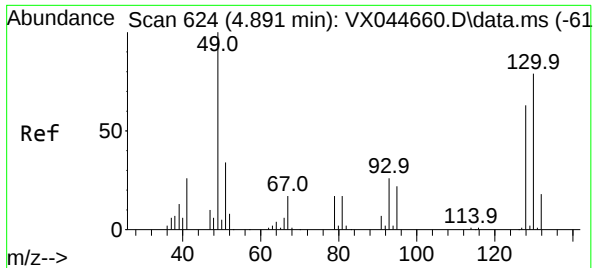
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044861.D
Acq On : 07 Feb 2025 12:16
Operator : JC/MD
Sample : Q1319-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JAN)

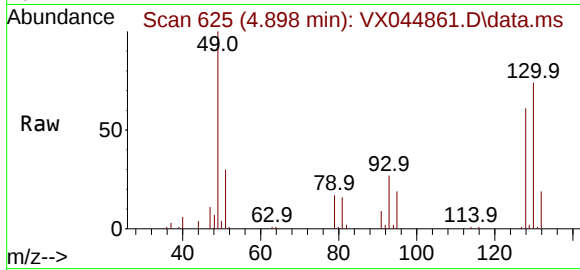
Quant Time: Feb 07 12:41:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration



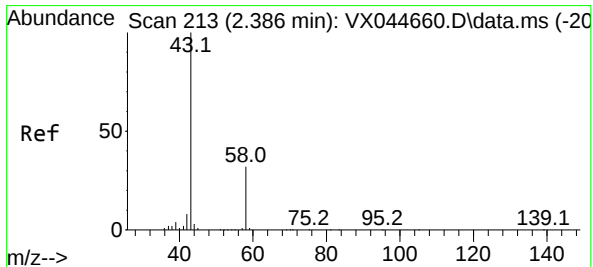
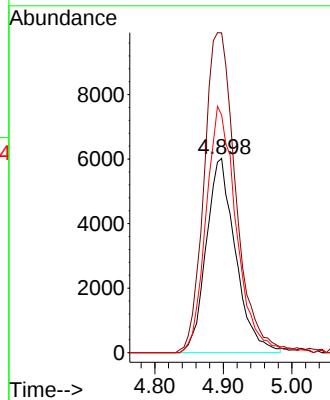
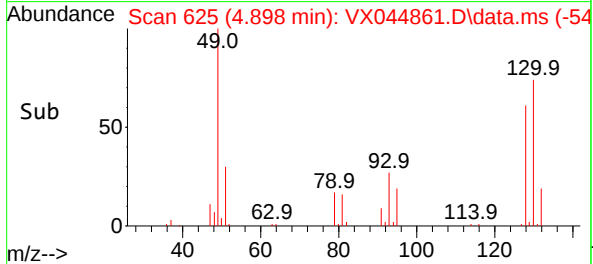


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX044861.D
Acq: 07 Feb 2025 12:16

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JAN)

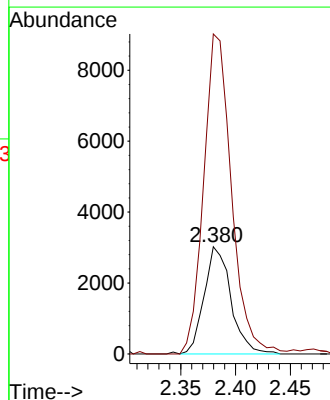
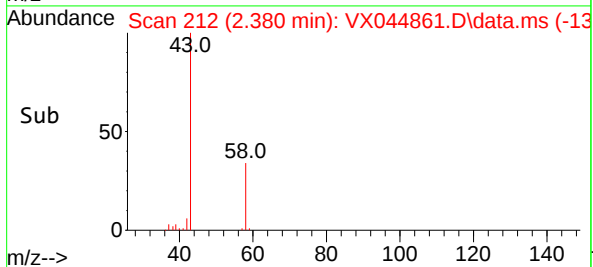
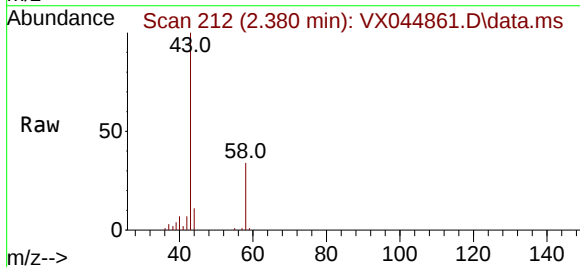


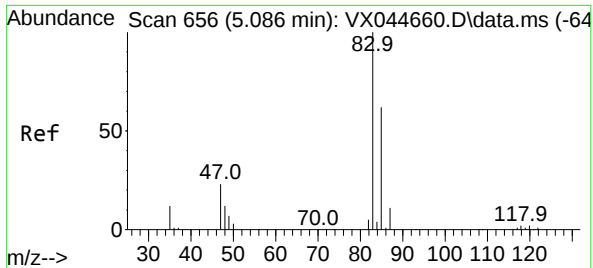
Tgt Ion:128 Resp: 17858
Ion Ratio Lower Upper
128 100
49 178.7 0.0 411.5
130 130.5 0.0 324.3



#15
Acetone
Concen: 27.282 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044861.D
Acq: 07 Feb 2025 12:16

Tgt Ion: 58 Resp: 5137
Ion Ratio Lower Upper
58 100
43 298.3 251.0 376.4





#25

Chloroform

Concen: 0.688 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX044861.D

Acq: 07 Feb 2025 12:16

Instrument :

MSVOA_X

ClientSampleId :

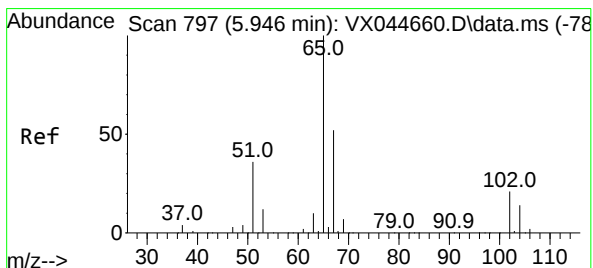
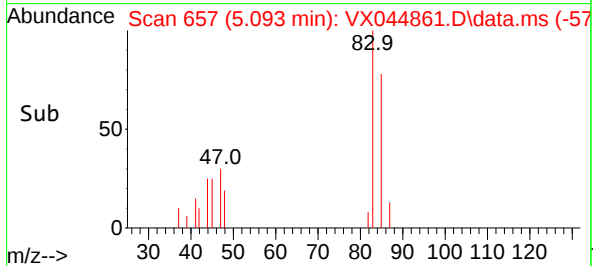
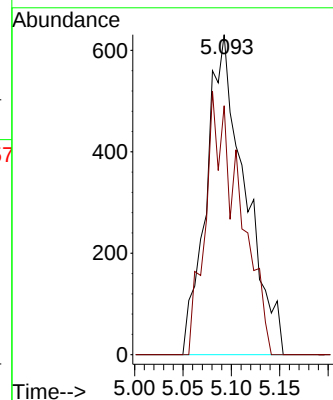
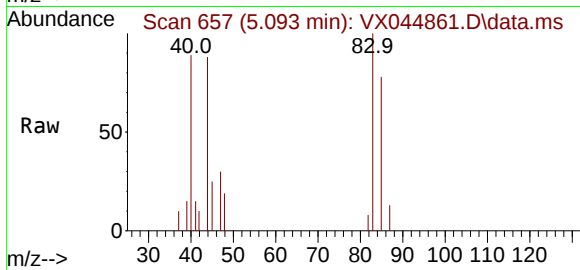
002-35TH-AVE(JAN)

Tgt Ion: 83 Resp: 1751

Ion Ratio Lower Upper

83 100

85 77.8 49.4 74.2#



#27

1,2-Dichloroethane-d4

Concen: 28.471 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044861.D

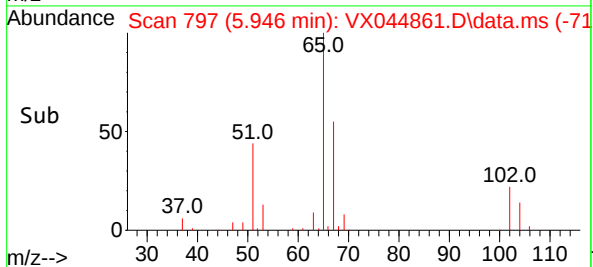
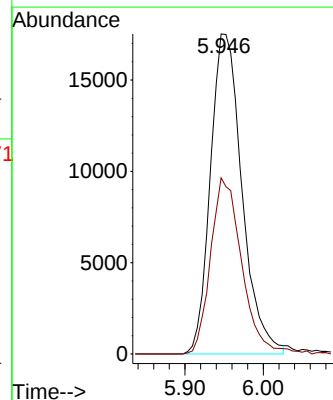
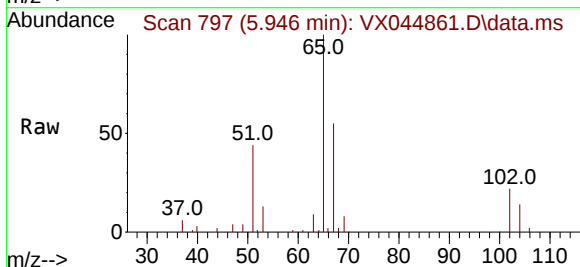
Acq: 07 Feb 2025 12:16

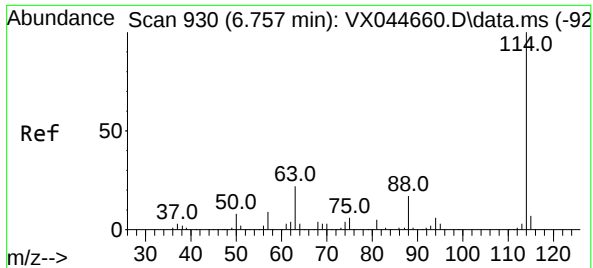
Tgt Ion: 65 Resp: 49084

Ion Ratio Lower Upper

65 100

67 53.4 41.4 62.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX044861.D

Acq: 07 Feb 2025 12:16

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JAN)

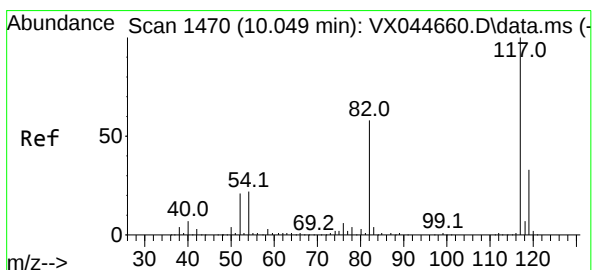
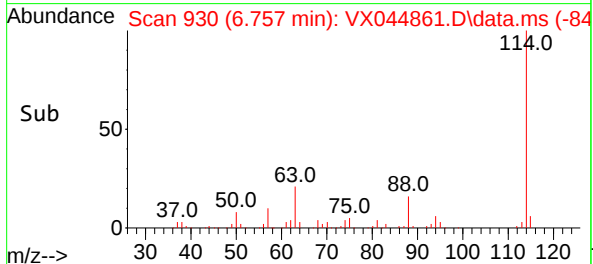
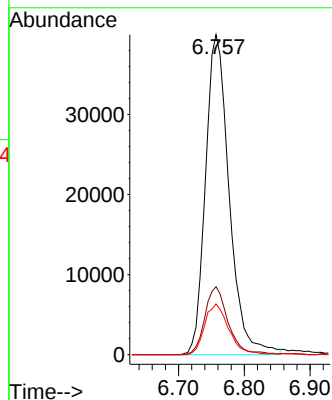
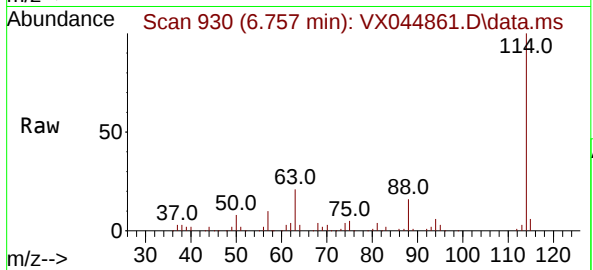
Tgt Ion:114 Resp: 100352

Ion Ratio Lower Upper

114 100

63 20.3 16.6 24.8

88 16.1 13.4 20.2



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044861.D

Acq: 07 Feb 2025 12:16

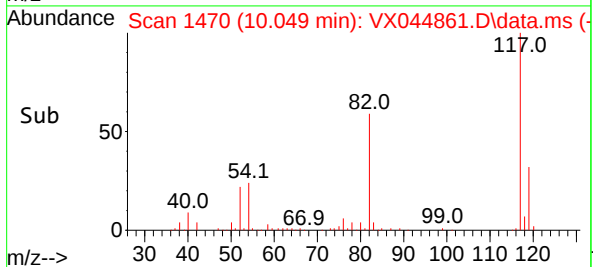
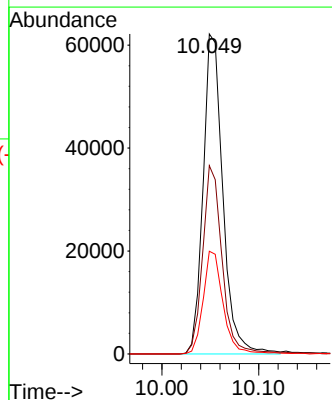
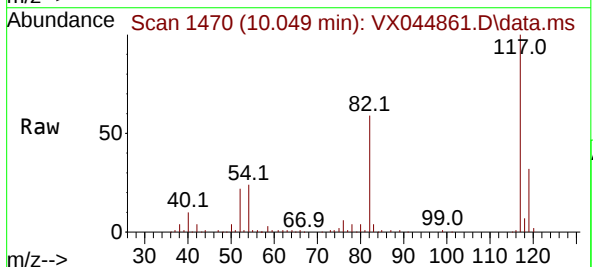
Tgt Ion:117 Resp: 88457

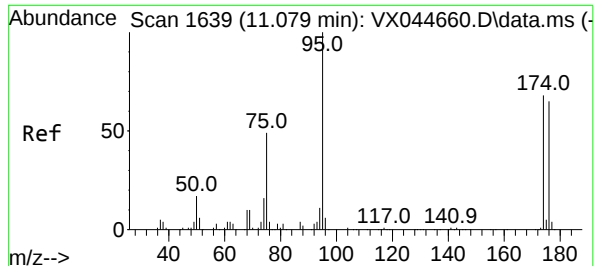
Ion Ratio Lower Upper

117 100

82 58.2 45.8 68.6

119 32.3 25.8 38.6

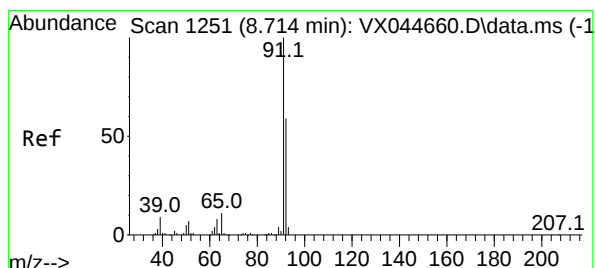
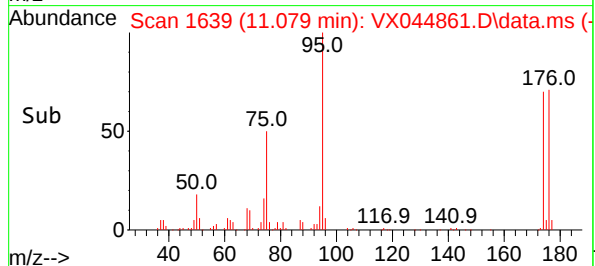
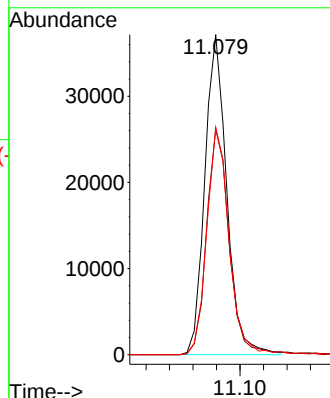
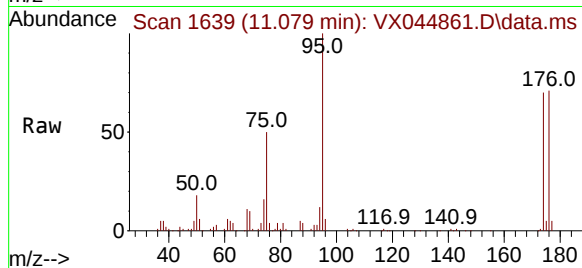




#60
4-Bromofluorobenzene
Concen: 27.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044861.D
Acq: 07 Feb 2025 12:16

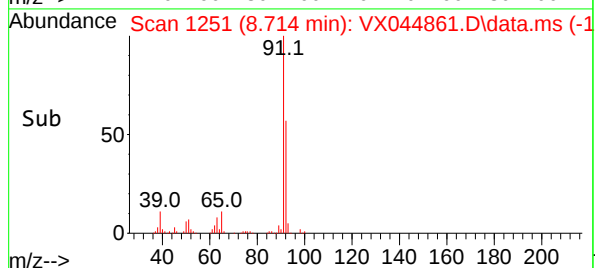
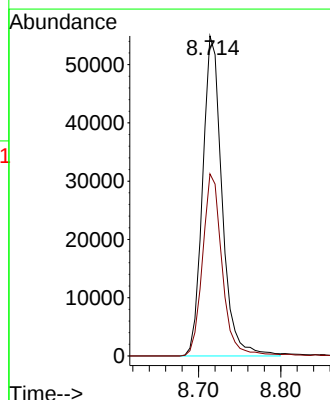
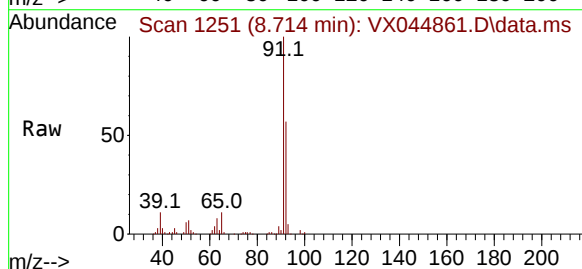
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JAN)

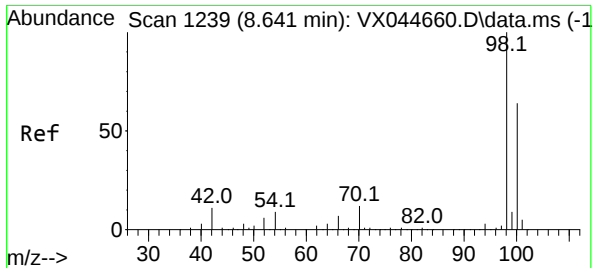
Tgt Ion: 95 Resp: 48085
Ion Ratio Lower Upper
95 100
174 72.3 54.6 81.8
176 72.3 52.8 79.2



#62
Toluene
Concen: 15.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044861.D
Acq: 07 Feb 2025 12:16

Tgt Ion: 91 Resp: 90313
Ion Ratio Lower Upper
91 100
92 57.1 47.3 70.9





#63

Toluene-d8

Concen: 30.548 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX044861.D

Acq: 07 Feb 2025 12:16

Instrument :

MSVOA_X

ClientSampleId :

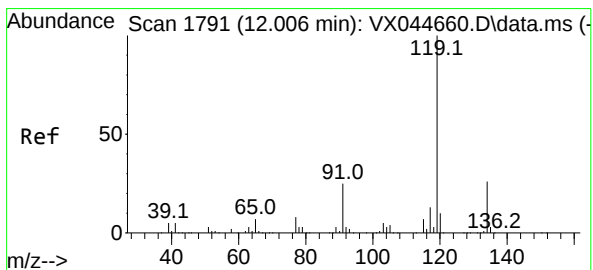
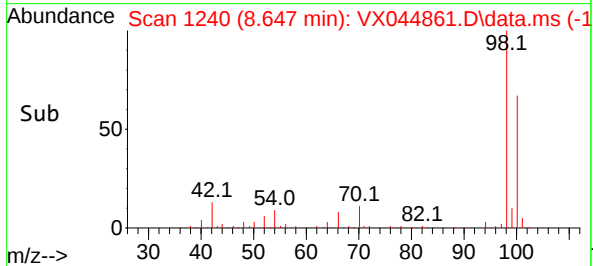
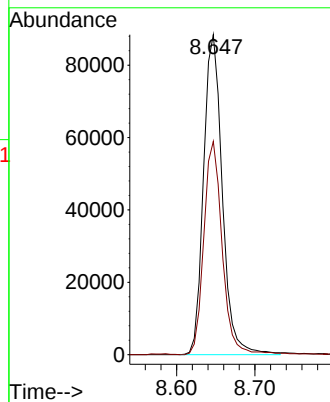
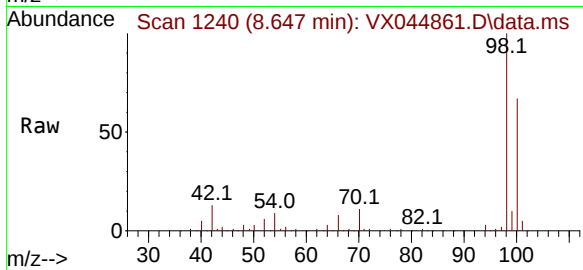
002-35TH-AVE(JAN)

Tgt Ion: 98 Resp: 146971

Ion Ratio Lower Upper

98 100

100 64.5 53.6 80.4



#82

p-Isopropyltoluene

Concen: 0.799 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044861.D

Acq: 07 Feb 2025 12:16

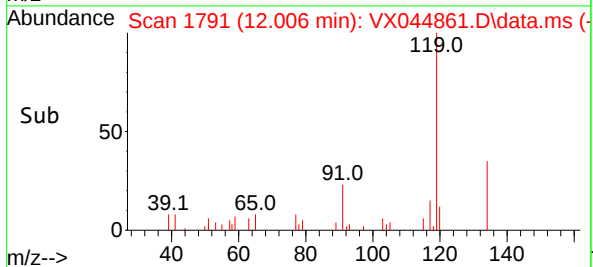
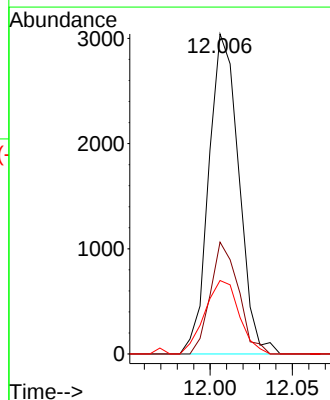
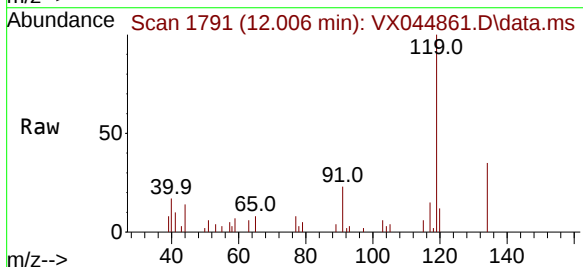
Tgt Ion: 119 Resp: 3864

Ion Ratio Lower Upper

119 100

134 32.7 0.0 52.2

91 26.3 0.0 50.2





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.: Q1319 SAS No.: Q1319 SDG No.: Q1319
 Instrument ID: MSVOA_X Calibration Date(s): 01/16/2025 01/16/2025
 Heated Purge: (Y/N) N Calibration Time(s): 08:39 10:12
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF005 = VX044659.D		RRF020 = VX044660.D		RRF050 = VX044661.D		
		RRF100 = VX044662.D		RRF150 = VX044663.D		RRF =		
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	RRF	% RSD
Benzene	1.720	1.726	1.635	1.681	1.562		1.665	4.1
Toluene	2.097	1.972	1.935	2.023	1.850		1.975	4.7
Ethyl Benzene	2.213	2.181	2.126	2.228	2.031		2.156	3.7
m/p-Xylenes	0.838	0.817	0.780	0.808	0.719		0.792	5.8
o-Xylene	0.841	0.823	0.787	0.800	0.726		0.795	5.5
1,2-Dichloroethane-d4	2.935	2.867	2.905	2.916	2.857		2.896	1.1
Toluene-d8	1.674	1.620	1.622	1.634	1.609		1.632	1.5
4-Bromofluorobenzene	0.579	0.578	0.588	0.586	0.582		0.583	0.7

* 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_X\Method\
 Method File : 624X011625W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Jan 17 01:21:41 2025
 Response Via : Initial Calibration

Calibration Files

5 =VX044659.D 20 =VX044660.D 50 =VX044661.D 100 =VX044662.D 150 =VX044663.D

	Compound	5	20	50	100	150	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.532	2.647	2.555	2.990	2.611	2.667	6.98
3) M	Chloromethane	2.821	2.891	2.775	2.910	2.632	2.806	3.97
4) M	Vinyl Chloride	2.718	2.750	2.650	2.953	2.656	2.745	4.49
5) M	Bromomethane	0.720	0.648	0.619	0.683	0.647	0.663	5.89
6) M	Chloroethane	0.337	0.431	0.443	0.506	0.459	0.435	14.18
7) M	Trichlorofluorom...	3.012	2.966	2.841	3.281	2.932	3.006	5.52
8) T	Diethyl Ether	1.186	1.152	1.114	1.214	1.133	1.160	3.48
9)	1,1,2-Trichlorot...	2.135	2.090	2.010	2.424	2.111	2.154	7.34
10) M	1,1-Dichloroethene	2.310	2.167	2.109	2.359	2.134	2.216	5.05
11)	Methyl Iodide	3.030	3.123	3.066	3.170	2.965	3.071	2.60
12)	Methyl Acetate	3.129	3.141	3.211	3.540	3.155	3.235	5.35
13) M	Acrolein	0.481	0.295	0.325	0.353	0.335	0.358	20.13
14) M	Acrylonitrile	1.225	1.195	1.163	1.234	1.078	1.179	5.35
15) M	Acetone	0.336	0.311	0.307	0.335	0.292	0.316	6.01
16) M	Carbon Disulfide	6.007	6.100	6.013	6.600	6.072	6.158	4.06
17)	Allyl chloride	3.852	4.047	3.933	4.277	3.871	3.996	4.37
18) M	Methylene Chloride	2.516	2.531	2.426	2.551	2.375	2.480	3.05
19) M	trans-1,2-Dichlo...	2.273	2.202	2.143	2.306	2.094	2.203	4.00
20) T	Diisopropyl ether	7.531	7.477	7.136	7.411	6.711	7.253	4.68
21) M	1,1-Dichloroethane	4.238	4.335	4.228	4.546	4.166	4.303	3.46
22) M	cis-1,2-Dichloro...	2.682	2.813	2.656	2.863	2.622	2.727	3.84
23) M	tert-Butyl Alcohol	0.665	0.584	0.542	0.568	0.492	0.570	11.14
24) M	Methyl tert-Buty...	7.881	7.826	7.445	7.974	7.263	7.678	4.00
25) M	Chloroform	4.285	4.354	4.180	4.469	4.089	4.275	3.46
26)	Cyclohexane	3.790	3.587	3.386	3.928	3.390	3.616	6.66
27) s	1,2-Dichloroetha...	2.935	2.867	2.905	2.916	2.857	2.896	1.14
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.533	0.520	0.505	0.550	0.501	0.522	3.88
30) M	2-Butanone	0.302	0.295	0.285	0.292	0.260	0.287	5.57
31)	2,2-Dichloropropane	0.766	0.729	0.693	0.741	0.681	0.722	4.84
32) M	1,1,1-Trichloroe...	0.729	0.702	0.665	0.708	0.654	0.692	4.54
33) M	Carbon Tetrachlo...	0.616	0.587	0.558	0.605	0.551	0.583	4.83
34) M	Benzene	1.720	1.726	1.635	1.681	1.562	1.665	4.09
35)	Methacrylonitrile	0.329	0.324	0.317	0.333	0.299	0.320	4.15
36) M	1,2-Dichloroethane	0.610	0.616	0.579	0.607	0.563	0.595	3.81
37) M	Trichloroethene	0.394	0.405	0.394	0.424	0.393	0.402	3.29
38)	Methylcyclohexane	0.728	0.692	0.669	0.776	0.680	0.709	6.16
39) M	1,2-Dichloropropane	0.416	0.428	0.415	0.423	0.394	0.415	3.17
40)	Dibromomethane	0.319	0.314	0.302	0.313	0.295	0.309	3.22
41) M	Bromodichloromet...	0.667	0.655	0.628	0.638	0.598	0.637	4.14
42) M	Vinyl Acetate	1.208	1.187	1.120	1.142	1.035	1.138	5.94
43)	Ethyl Acetate	0.539	0.592	0.552	0.593	0.535	0.562	5.11
44)	Isopropyl Acetate	1.016	1.043	1.000	1.033	0.959	1.010	3.26
45) T	1,4-Dioxane	0.011	0.010	0.010	0.009	0.008	0.010	9.48
46)	Methyl methacrylate	0.506	0.509	0.495	0.501	0.462	0.494	3.83
47)	n-amyl Acetate	0.883	0.902	0.847	0.840	0.767	0.848	6.11
48) M	t-1,3-Dichloropr...	0.673	0.696	0.675	0.685	0.635	0.673	3.38
49) T	cis-1,3-Dichloro...	0.737	0.748	0.719	0.731	0.671	0.721	4.16
50) M	1,1,2-Trichloroe...	0.425	0.419	0.398	0.391	0.355	0.397	6.96
51)	Ethyl methacrylate	0.711	0.720	0.704	0.688	0.630	0.691	5.22
52)	1,3-Dichloropropane	0.737	0.718	0.678	0.680	0.624	0.687	6.35
53) M	Dibromochloromet...	0.507	0.503	0.469	0.468	0.428	0.475	6.76
54) M	1,2-Dibromoethane	0.449	0.440	0.417	0.414	0.380	0.420	6.44
55) M	2-Chloroethyl vi...	0.376	0.351	0.338	0.309	0.302	0.335	9.10
56) M	Bromoform	0.340	0.324	0.314	0.310	0.287	0.315	6.19

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X011625W.M

57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Penta...	0.685	0.649	0.618	0.638	0.572	0.632	6.60
59) M	2-Hexanone	0.503	0.474	0.451	0.470	0.417	0.463	6.86
60) S	4-Bromofluoroben...	0.579	0.578	0.588	0.586	0.582	0.583	0.75
61) M	Tetrachloroethene	0.365	0.350	0.349	0.387	0.348	0.360	4.71
62) M	Toluene	2.097	1.972	1.935	2.023	1.850	1.975	4.69
63) S	Toluene-d8	1.674	1.620	1.622	1.634	1.609	1.632	1.53
64) M	Chlorobenzene	1.275	1.230	1.215	1.256	1.157	1.227	3.70
65)	1,1,1,2-Tetrachl...	0.460	0.445	0.433	0.449	0.417	0.441	3.68
66) M	Ethyl Benzene	2.213	2.181	2.126	2.228	2.031	2.156	3.71
67) M	m/p-Xylenes	0.838	0.817	0.780	0.808	0.719	0.792	5.82
68) M	o-Xylene	0.841	0.823	0.787	0.800	0.726	0.795	5.53
69) M	Styrene	1.363	1.358	1.291	1.322	1.196	1.306	5.19
70)	Isopropylbenzene	2.139	2.047	1.942	2.041	1.828	1.999	5.92
71) M	1,1,2,2-Tetrachl...	0.749	0.684	0.650	0.671	0.607	0.672	7.74
72)	1,2,3-Trichlorop...	0.594	0.582	0.560	0.574	0.518	0.565	5.19
73)	Bromobenzene	0.488	0.476	0.458	0.470	0.437	0.466	4.16
74)	n-propylbenzene	2.310	2.311	2.237	2.371	2.126	2.271	4.13
75)	2-Chlorotoluene	1.514	1.469	1.400	1.437	1.318	1.428	5.22
76)	1,3,5-Trimethylb...	1.743	1.677	1.602	1.640	1.457	1.624	6.59
77)	t-1,4-Dichloro-2...	0.283	0.267	0.259	0.278	0.251	0.268	4.92
78)	4-Chlorotoluene	1.655	1.609	1.552	1.602	1.448	1.573	5.03
79)	tert-butylbenzene	1.815	1.730	1.625	1.675	1.496	1.668	7.17
80)	1,2,4-Trimethylb...	1.748	1.689	1.602	1.660	1.492	1.638	5.93
81)	sec-Butylbenzene	2.100	2.035	1.947	2.048	1.830	1.992	5.33
82)	p-Isopropyltoluene	1.701	1.683	1.602	1.690	1.520	1.639	4.71
83) M	1,3-Dichlorobenzene	0.829	0.841	0.819	0.858	0.789	0.827	3.13
84) M	1,4-Dichlorobenzene	0.809	0.833	0.797	0.841	0.775	0.811	3.30
85)	n-Butylbenzene	1.363	1.419	1.407	1.536	1.379	1.421	4.80
86) T	Hexachloroethane	0.395	0.360	0.346	0.367	0.335	0.361	6.39
87) M	1,2-Dichlorobenzene	0.873	0.852	0.816	0.836	0.754	0.826	5.51
88)	1,2-Dibromo-3-Ch...	0.185	0.159	0.153	0.163	0.150	0.162	8.44
89)	1,2,4-Trichlorob...	0.477	0.496	0.506	0.562	0.526	0.513	6.33
90)	Hexachlorobutadiene	0.202	0.199	0.190	0.207	0.194	0.199	3.36
91) M	Naphthalene	1.885	1.938	1.905	2.019	1.857	1.921	3.24
92)	1,2,3-Trichlorob...	0.492	0.526	0.518	0.554	0.522	0.522	4.29

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044659.D
 Acq On : 16 Jan 2025 08:39
 Operator :
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 00:59:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 00:59:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	31935	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	175523	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	154224	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	93745	30.407	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.367%			
60) 4-Bromofluorobenzene	11.079	95	89238	29.790	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.300%			
63) Toluene-d8	8.641	98	258118	30.772	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.567%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	13478m	5.255	ug/l	
3) Chloromethane	1.294	50	15014	5.027	ug/l	99
4) Vinyl Chloride	1.374	62	14464	4.949	ug/l	93
5) Bromomethane	1.593	94	3833	5.432	ug/l	97
6) Chloroethane	1.660	64	1795	3.804	ug/l	91
7) Trichlorofluoromethane	1.867	101	16029	5.008	ug/l	96
8) Diethyl Ether	2.130	74	6314	5.114	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	11362	4.955	ug/l	99
10) 1,1-Dichloroethene	2.306	96	12297	5.213	ug/l	93
11) Methyl Iodide	2.441	142	16127	4.934	ug/l	98
12) Methyl Acetate	2.703	43	16652	4.835	ug/l	100
13) Acrolein	2.233	56	12799	33.611	ug/l	99
14) Acrylonitrile	3.062	53	32592	25.973	ug/l	99
15) Acetone	2.386	58	8941	26.553	ug/l	95
16) Carbon Disulfide	2.501	76	31970	4.877	ug/l	98
17) Allyl chloride	2.654	41	20504	4.820	ug/l	99
18) Methylene Chloride	2.782	84	13392	5.071	ug/l	88
19) trans-1,2-Dichloroethene	3.081	96	12096	5.157	ug/l	90
20) Diisopropyl ether	3.757	45	40086	5.192	ug/l #	86
21) 1,1-Dichloroethane	3.599	63	22559	4.925	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	14274	4.917	ug/l	94
23) tert-Butyl Alcohol	2.977	59	17704m	32.520	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	41947	5.132	ug/l	100
25) Chloroform	5.080	83	22809	5.012	ug/l	98
26) Cyclohexane	5.452	56	20174	5.241	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	15595	5.108	ug/l	96
30) 2-Butanone	4.562	43	44109	26.301	ug/l	99
31) 2,2-Dichloropropane	4.458	77	22402m	5.303	ug/l	
32) 1,1,1-Trichloroethane	5.373	97	21324	5.270	ug/l	100
33) Carbon Tetrachloride	5.659	117	18012	5.277	ug/l	94
34) Benzene	6.025	78	50311	5.165	ug/l	100
35) Methacrylonitrile	4.922	41	9621	5.133	ug/l	96
36) 1,2-Dichloroethane	6.080	62	17847	5.125	ug/l #	92
37) Trichloroethene	7.116	130	11515	4.896	ug/l	98
38) Methylcyclohexane	7.366	83	21311	5.138	ug/l	99
39) 1,2-Dichloropropane	7.421	63	12181	5.015	ug/l	93
40) Dibromomethane	7.574	93	9326	5.165	ug/l	96
41) Bromodichloromethane	7.818	83	19506	5.231	ug/l	97
42) Vinyl Acetate	3.715	43	176672	26.526	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044659.D
 Acq On : 16 Jan 2025 08:39
 Operator :
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 00:59:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 00:59:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	15761	4.791	ug/l #	95
44) Isopropyl Acetate	6.342	43	29728	5.030	ug/l	99
45) 1,4-Dioxane	7.671	88	6188	109.953	ug/l	98
46) Methyl methacrylate	7.696	41	14808	5.119	ug/l	91
47) n-amyl Acetate	10.841	43	25825	5.207	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	19698	5.005	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	21573	5.112	ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	12425	5.334	ug/l	95
51) Ethyl methacrylate	9.116	69	20798	5.148	ug/l	95
52) 1,3-Dichloropropane	9.305	76	21568	5.362	ug/l	99
53) Dibromochloromethane	9.518	129	14835	5.338	ug/l	97
54) 1,2-Dibromoethane	9.610	107	13144	5.346	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	55031	28.109	ug/l	100
56) Bromoform	10.799	173	9949	5.399	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	88064	27.090	ug/l	100
59) 2-Hexanone	9.433	43	64656	27.167	ug/l	99
61) Tetrachloroethene	9.269	164	9388	5.075	ug/l	94
62) Toluene	8.714	91	53894	5.307	ug/l	97
64) Chlorobenzene	10.073	112	32777	5.197	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	11815	5.215	ug/l	97
66) Ethyl Benzene	10.189	91	56887	5.133	ug/l	99
67) m/p-Xylenes	10.299	106	43104	10.581	ug/l	99
68) o-Xylene	10.640	106	21611	5.286	ug/l	99
69) Styrene	10.652	104	35022	5.217	ug/l	99
70) Isopropylbenzene	10.957	105	54978	5.349	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.207	83	19252	5.562	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	15260m	5.249	ug/l	
73) Bromobenzene	11.195	156	12540	5.237	ug/l	98
74) n-propylbenzene	11.299	91	59373	5.082	ug/l	99
75) 2-Chlorotoluene	11.360	91	38923	5.300	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	44812	5.369	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	7275	5.290	ug/l	95
78) 4-Chlorotoluene	11.451	91	42547	5.261	ug/l	100
79) tert-butylbenzene	11.713	119	46656	5.441	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	44923	5.334	ug/l	99
81) sec-Butylbenzene	11.890	105	53980	5.272	ug/l	98
82) p-Isopropyltoluene	12.006	119	43716	5.187	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	21317	5.012	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	20782	4.984	ug/l	100
85) n-Butylbenzene	12.329	91	35040	4.797	ug/l	99
86) Hexachloroethane	12.536	117	10162	5.481	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	22448	5.286	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	4748	5.705	ug/l	95
89) 1,2,4-Trichlorobenzene	13.585	180	12251	4.642	ug/l	99
90) Hexachlorobutadiene	13.719	225	5203	5.096	ug/l	98
91) Naphthalene	13.774	128	48452	4.907	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	12639	4.708	ug/l	98

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

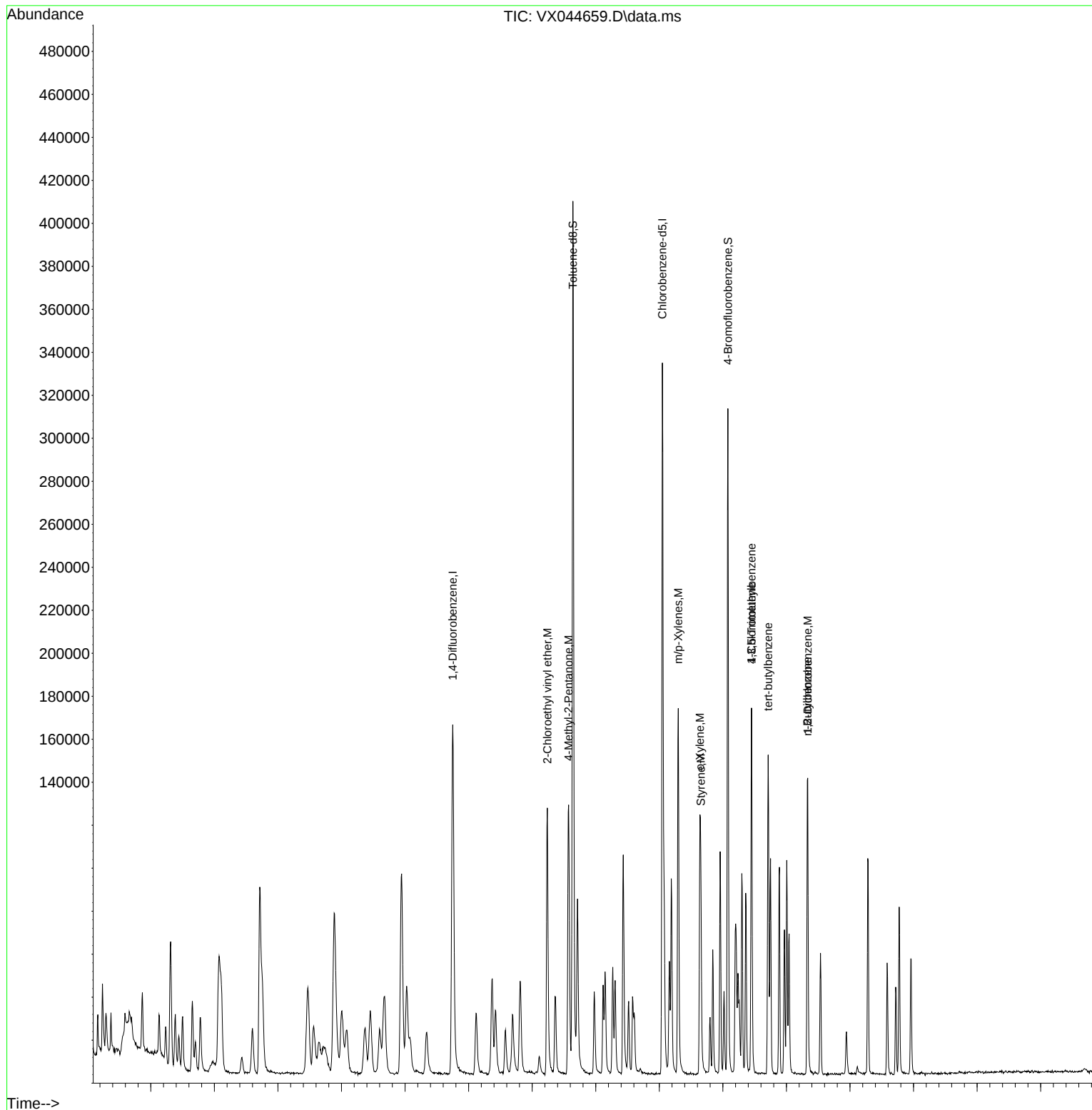
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044659.D
Acq On : 16 Jan 2025 08:39
Operator :
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

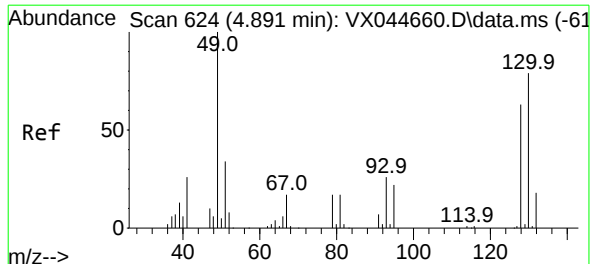
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

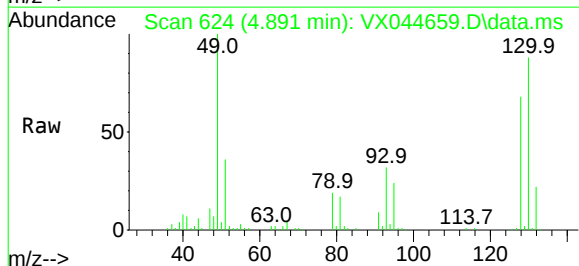
Quant Time: Jan 17 00:59:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 62
Delta R.T. 0.000 min
Lab File: VX044659.D
Acq: 16 Jan 2025 08:39

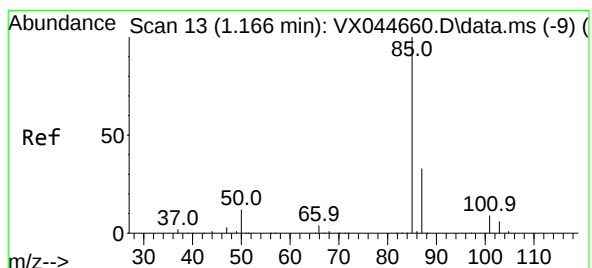
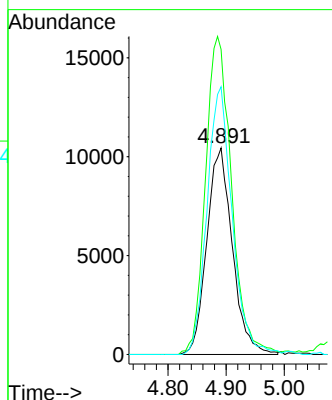
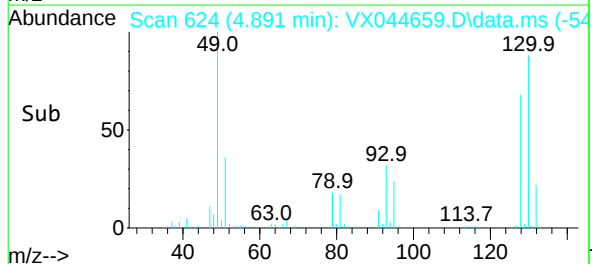
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 128 Resp: 31935
Ion Ratio Lower Upper
128 100
49 156.6 0.0 411.5
130 126.2 0.0 324.3

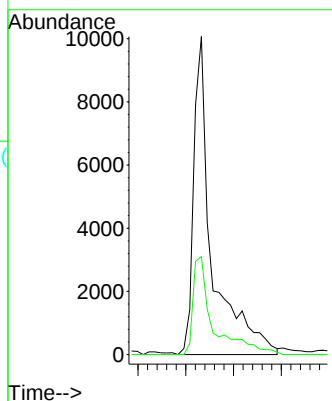
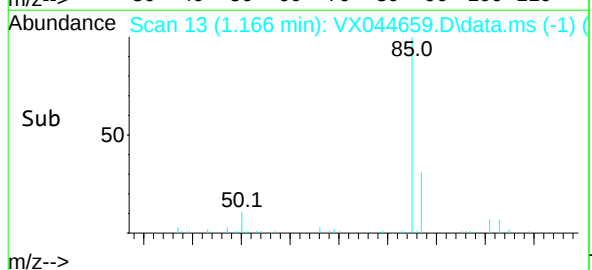
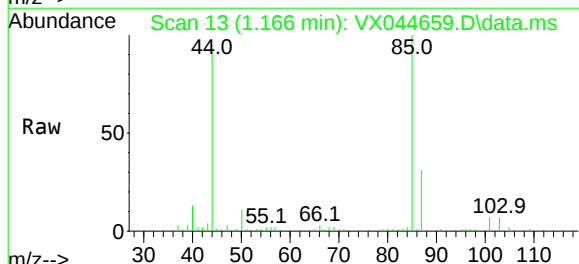
Manual Integrations
APPROVED

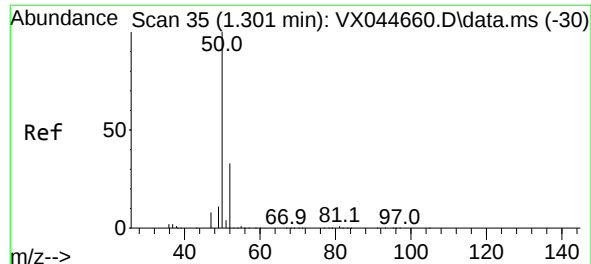
Reviewed By : Mahesh Dadoda 01/17/2025
Supervised By : Semsettin Yesilyurt 01/17/2025



#2
Dichlorodifluoromethane
Concen: 5.255 ug/l m
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044659.D
Acq: 16 Jan 2025 08:39

Tgt Ion: 85 Resp: 13478
Ion Ratio Lower Upper
85 100
87 30.8 16.6 49.8





#3

Chloromethane

Concen: 5.027 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 50 Resp: 15014

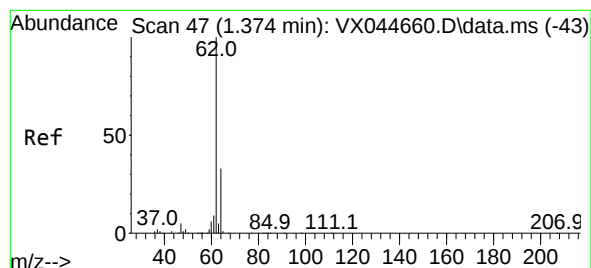
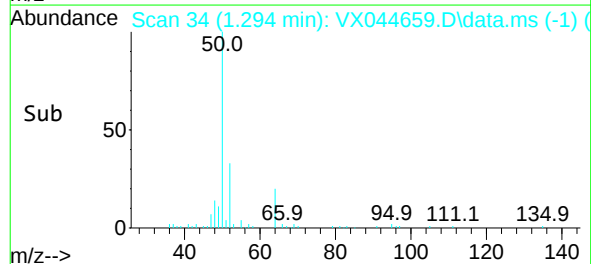
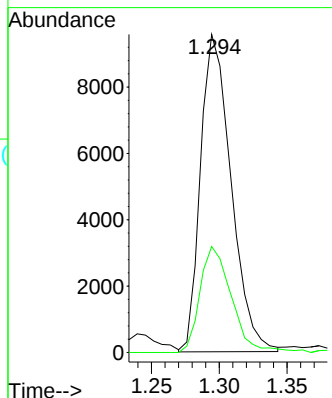
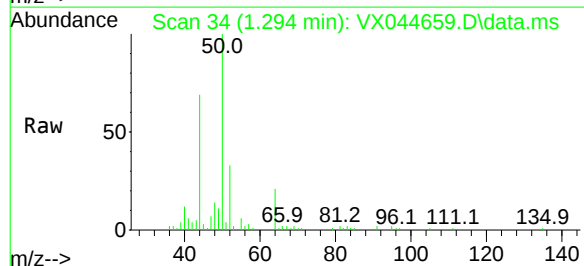
Ion Ratio Lower Upper

50 100

52 33.6 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#4

Vinyl Chloride

Concen: 4.949 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044659.D

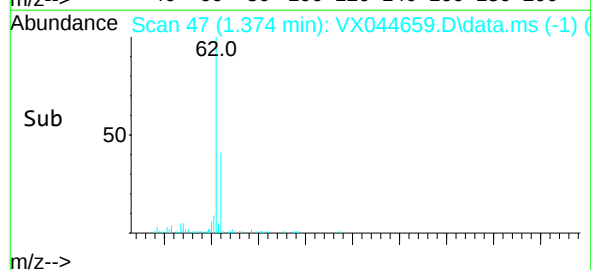
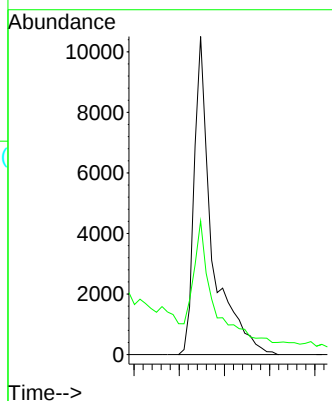
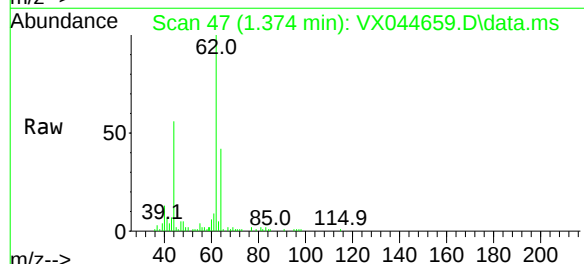
Acq: 16 Jan 2025 08:39

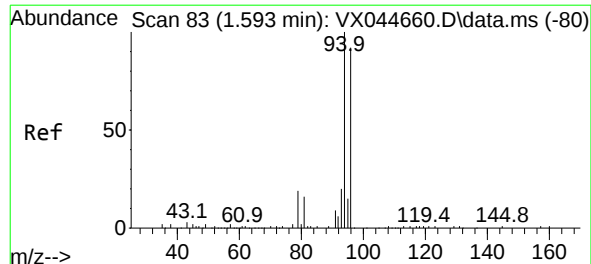
Tgt Ion: 62 Resp: 14464

Ion Ratio Lower Upper

62 100

64 38.2 27.3 40.9





#5

Bromomethane

Concen: 5.432 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 3833

Ion Ratio Lower Upper

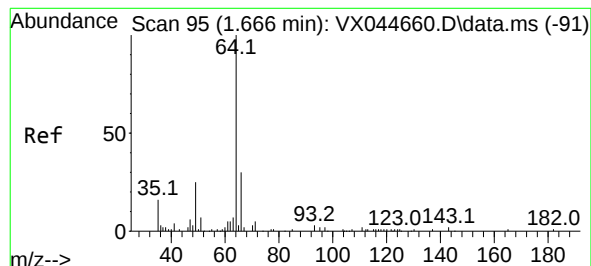
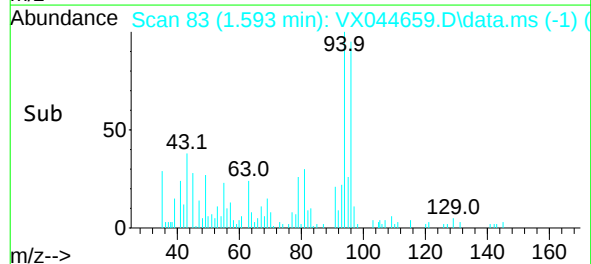
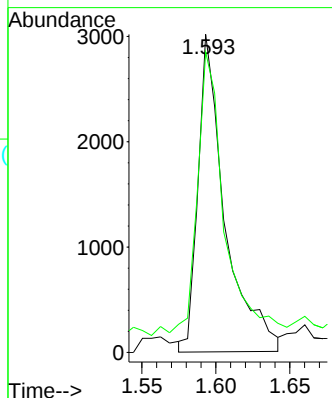
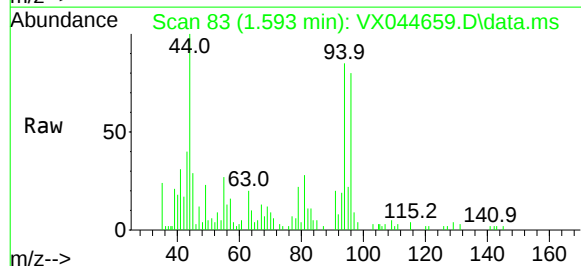
94 100

96 88.7 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#6

Chloroethane

Concen: 3.804 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.006 min

Lab File: VX044659.D

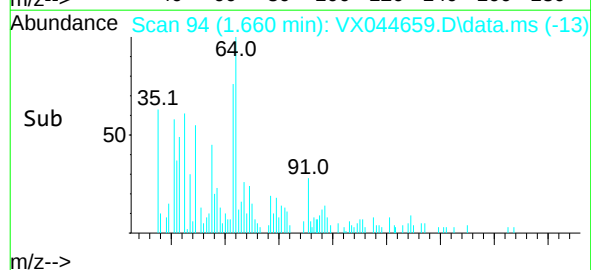
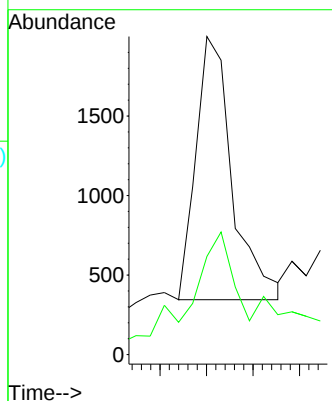
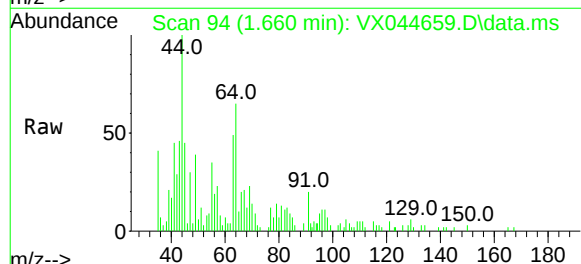
Acq: 16 Jan 2025 08:39

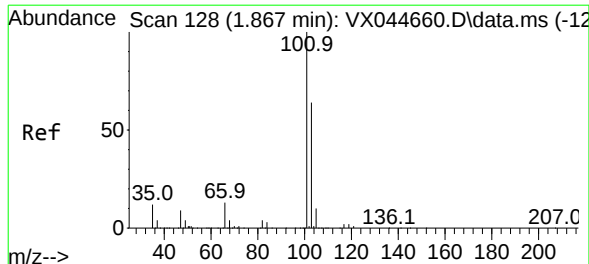
Tgt Ion: 64 Resp: 1795

Ion Ratio Lower Upper

64 100

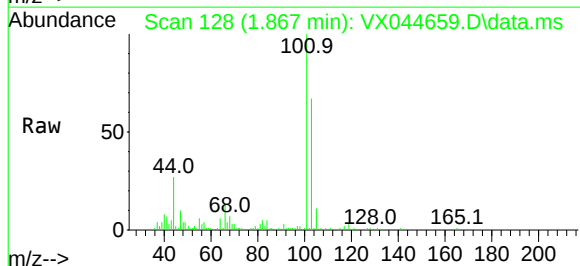
66 25.0 23.8 35.6





#7
Trichlorofluoromethane
Concen: 5.008 ug/l
RT: 1.867 min Scan# 128
Delta R.T. -0.000 min
Lab File: VX044659.D
Acq: 16 Jan 2025 08:39

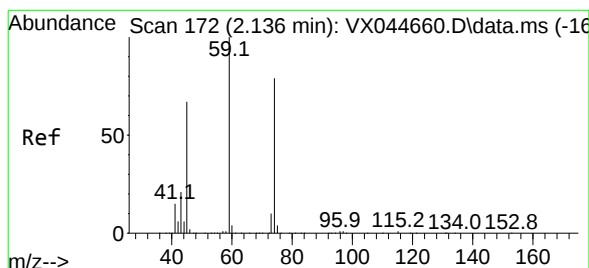
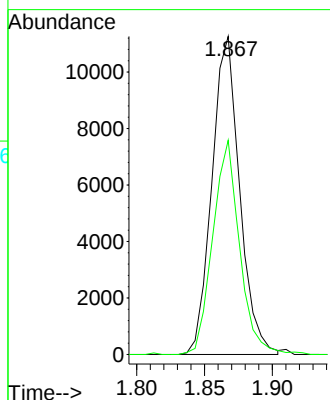
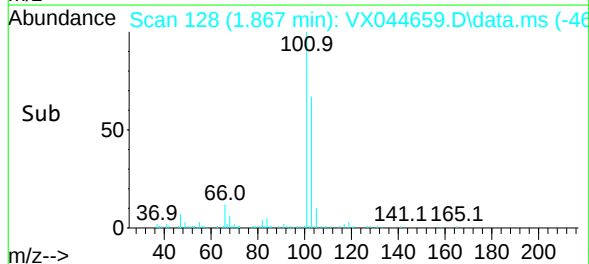
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 101 Resp: 16029
Ion Ratio Lower Upper
101 100
103 67.3 51.1 76.7

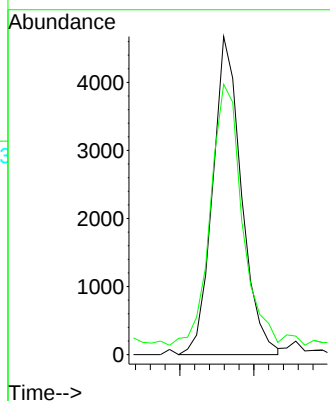
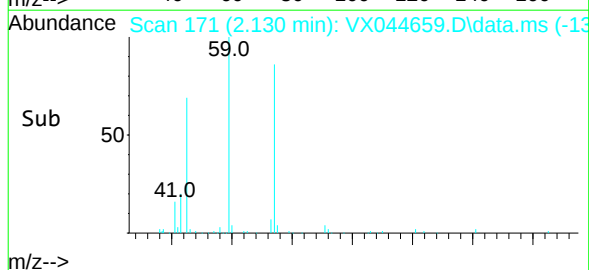
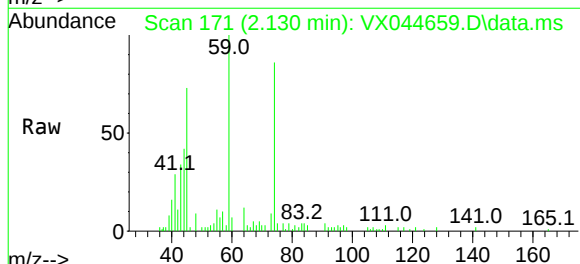
Manual Integrations
APPROVED

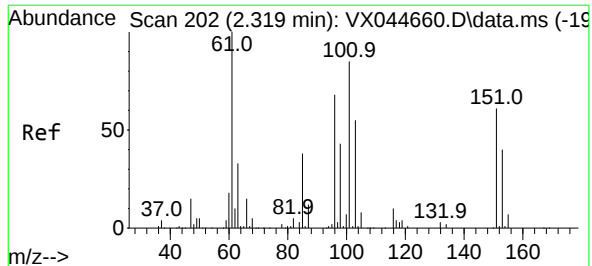
Reviewed By : Mahesh Dadoda 01/17/2025
Supervised By : Semsettin Yesilyurt 01/17/2025



#8
Diethyl Ether
Concen: 5.114 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044659.D
Acq: 16 Jan 2025 08:39

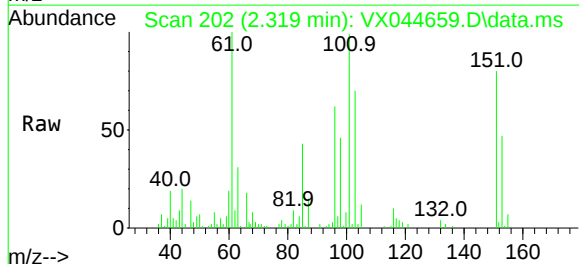
Tgt Ion: 74 Resp: 6314
Ion Ratio Lower Upper
74 100
45 90.1 18.8 168.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.955 ug/l
RT: 2.319 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044659.D
Acq: 16 Jan 2025 08:39

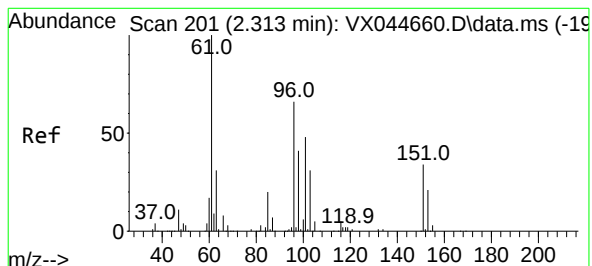
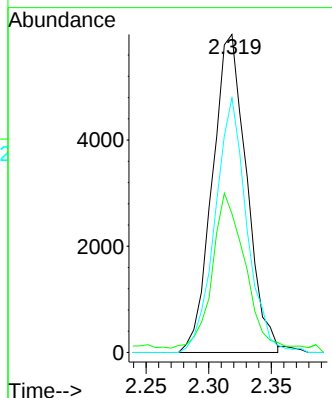
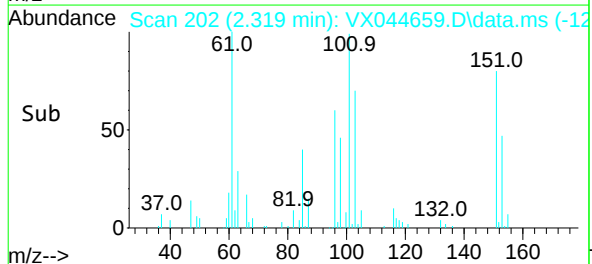
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



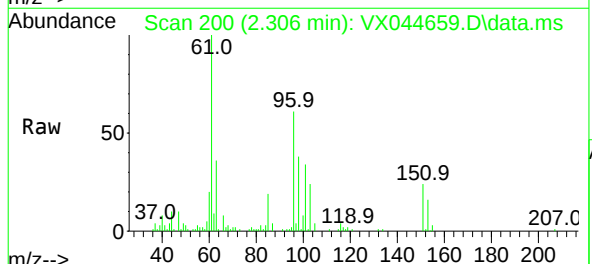
Tgt Ion: 101 Resp: 11362
Ion Ratio Lower Upper
101 100
85 45.7 0.0 88.0
151 74.2 0.0 147.0

Manual Integrations
APPROVED

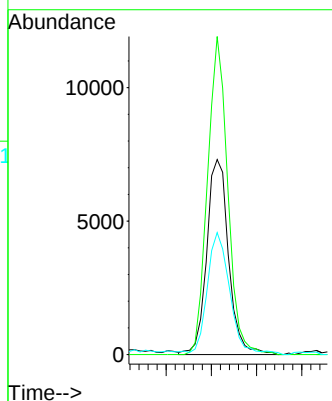
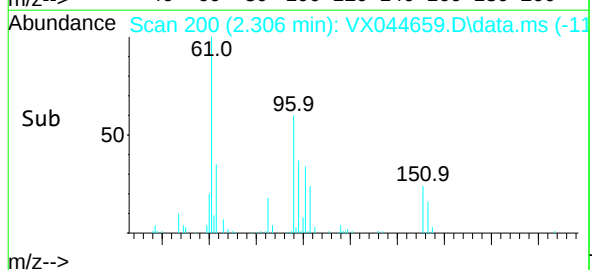
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

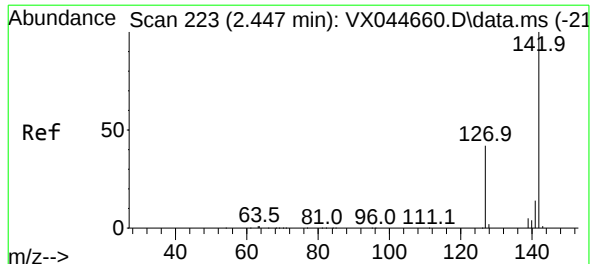


#10
1,1-Dichloroethene
Concen: 5.213 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044659.D
Acq: 16 Jan 2025 08:39



Tgt Ion: 96 Resp: 12297
Ion Ratio Lower Upper
96 100
61 163.1 121.6 182.4
98 61.4 50.3 75.5





#11

Methyl Iodide

Concen: 4.934 ug/l

RT: 2.441 min Scan# 22

Delta R.T. -0.006 min

Lab File: VX044659.D

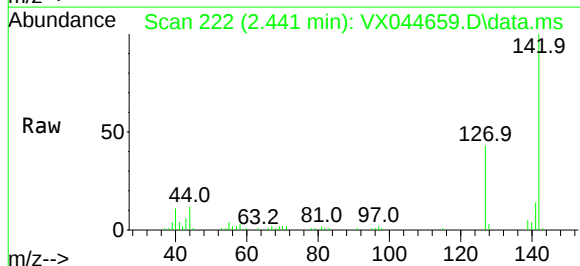
Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

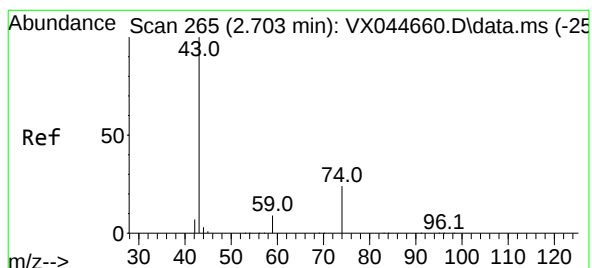
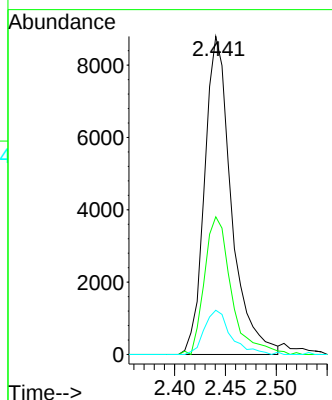
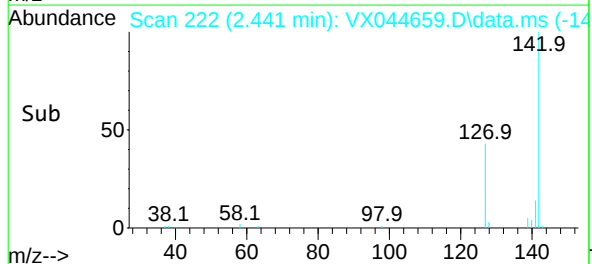


Tgt Ion:	142	Resp:	16127
Ion	Ratio	Lower	Upper
142	100		
127	43.3	20.8	62.4
141	13.7	7.0	20.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#12

Methyl Acetate

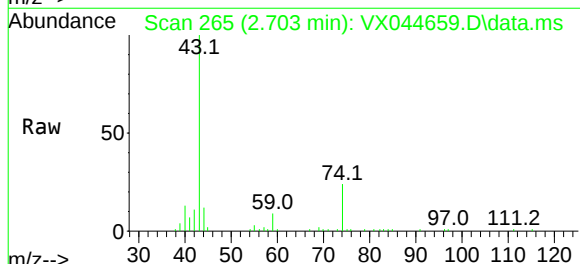
Concen: 4.835 ug/l

RT: 2.703 min Scan# 265

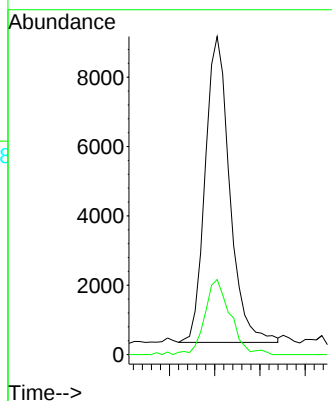
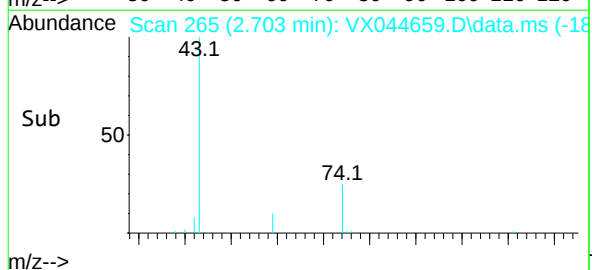
Delta R.T. -0.000 min

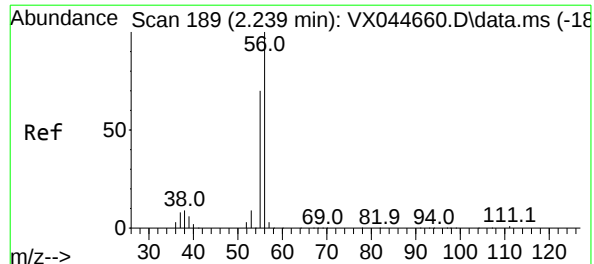
Lab File: VX044659.D

Acq: 16 Jan 2025 08:39



Tgt Ion:	43	Resp:	16652
Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.4	29.2





#13

Acrolein

Concen: 33.611 ug/l

RT: 2.233 min Scan# 189

Delta R.T. -0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 12799

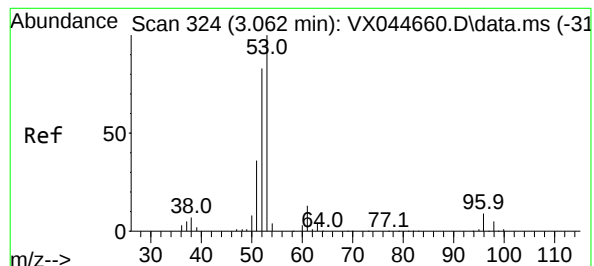
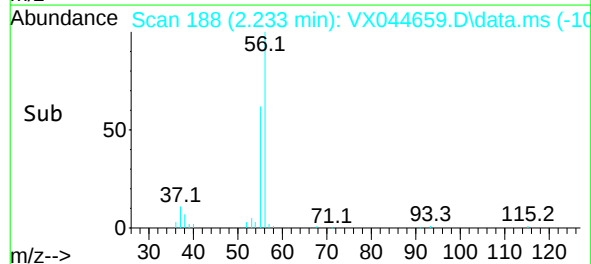
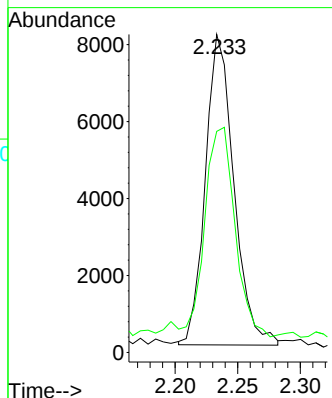
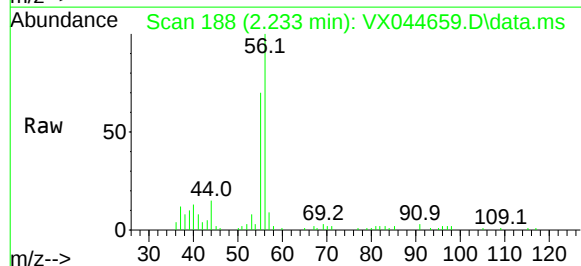
Ion Ratio Lower Upper

56 100

55 71.4 57.5 86.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#14

Acrylonitrile

Concen: 25.973 ug/l

RT: 3.062 min Scan# 324

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

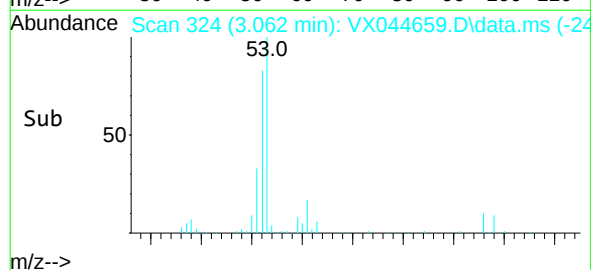
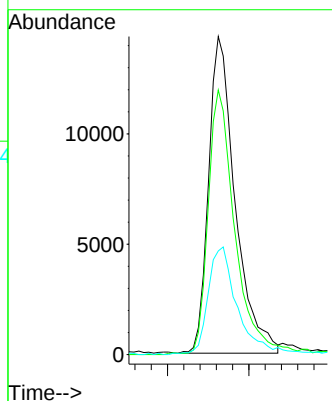
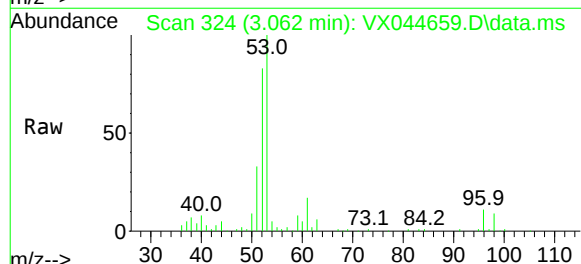
Tgt Ion: 53 Resp: 32592

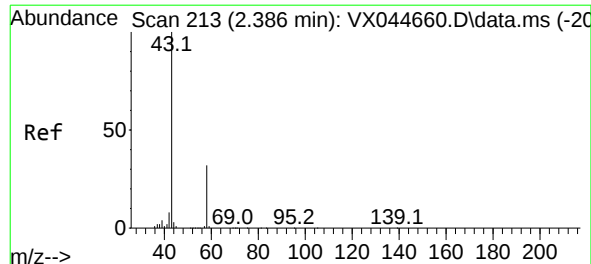
Ion Ratio Lower Upper

53 100

52 83.9 41.4 124.2

51 36.5 18.1 54.4





#15

Acetone

Concen: 26.553 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Tgt Ion: 58 Resp: 8941

Ion Ratio Lower Upper

58 100

43 323.5 251.0 376.4

Instrument :

MSVOA_X

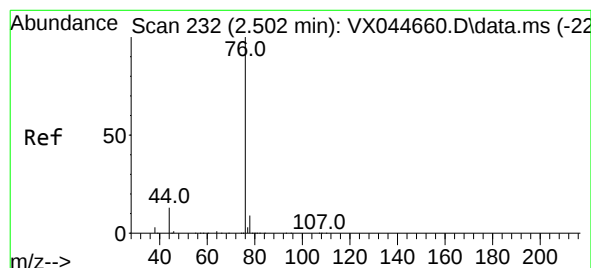
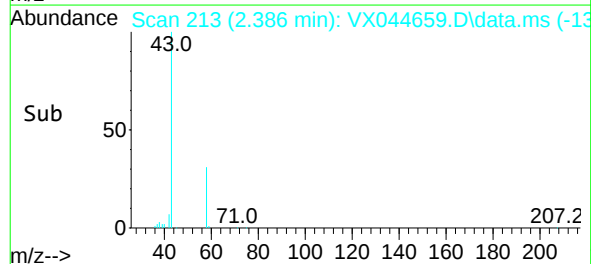
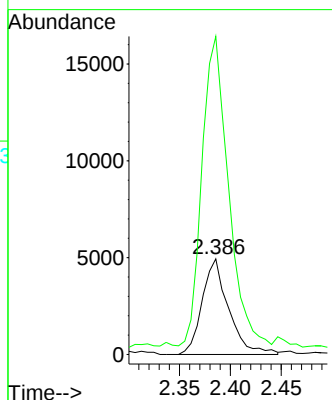
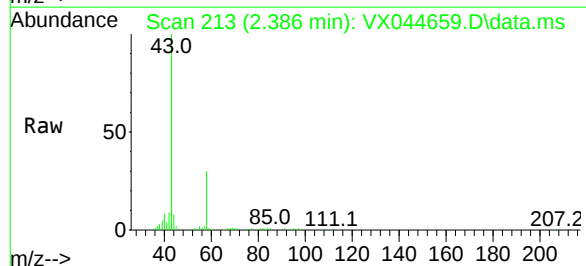
ClientSampleId :

VSTDIC005

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#16

Carbon Disulfide

Concen: 4.877 ug/l

RT: 2.501 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX044659.D

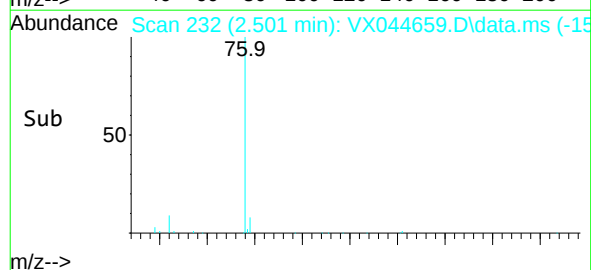
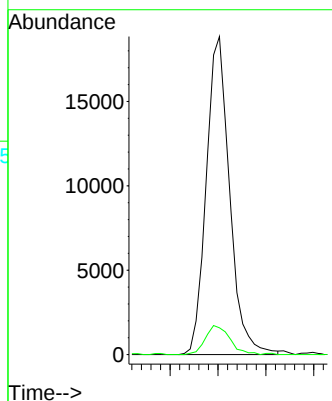
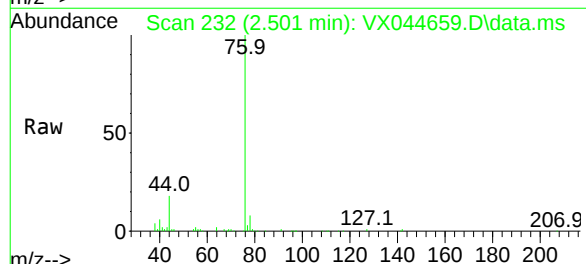
Acq: 16 Jan 2025 08:39

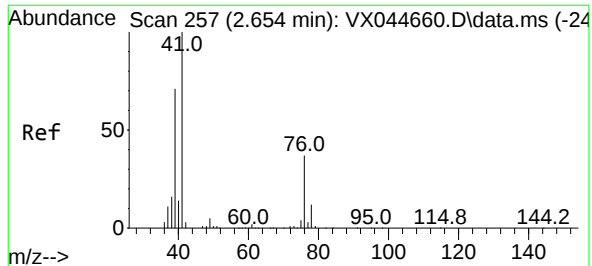
Tgt Ion: 76 Resp: 31970

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9





#17

Allyl chloride

Concen: 4.820 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

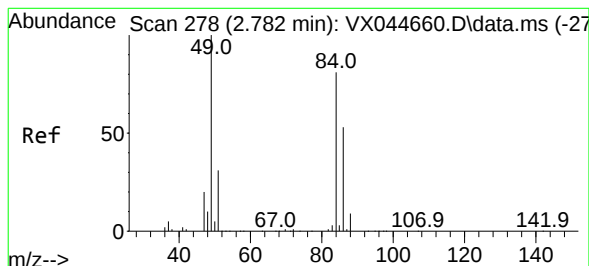
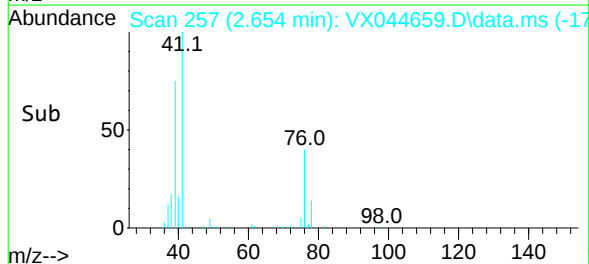
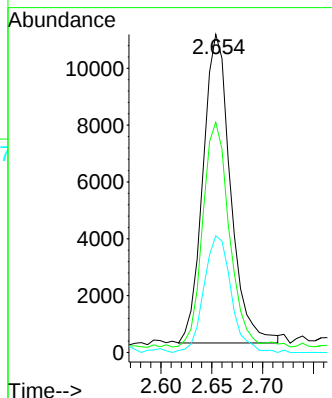
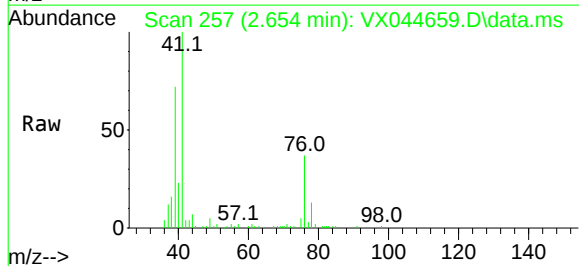
ClientSampleId :

VSTDIC005

Tgt Ion:	41	Resp:	20504
Ion	Ratio	Lower	Upper
41	100		
39	72.6	35.6	106.8
76	37.8	18.9	56.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#18

Methylene Chloride

Concen: 5.071 ug/l

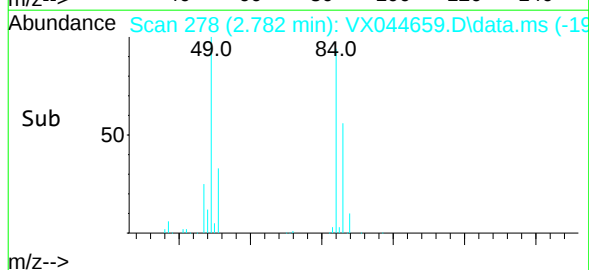
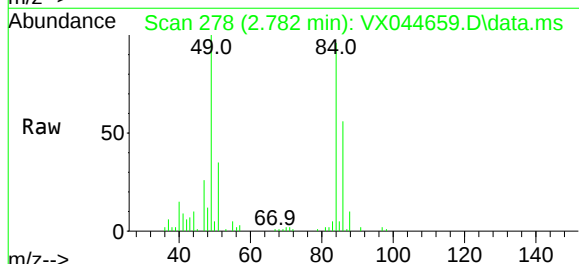
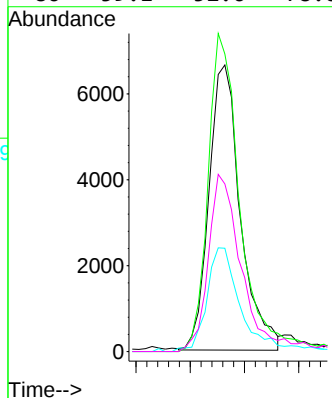
RT: 2.782 min Scan# 278

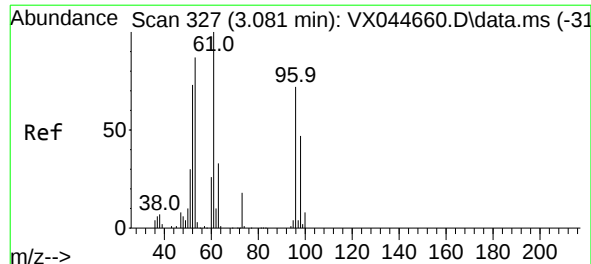
Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Tgt Ion:	84	Resp:	13392
Ion	Ratio	Lower	Upper
84	100		
49	104.9	98.3	147.5
51	35.2	30.6	46.0
86	59.1	52.6	78.8





#19

trans-1,2-Dichloroethene

Concen: 5.157 ug/l

RT: 3.081 min Scan# 327

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 12096

Ion Ratio Lower Upper

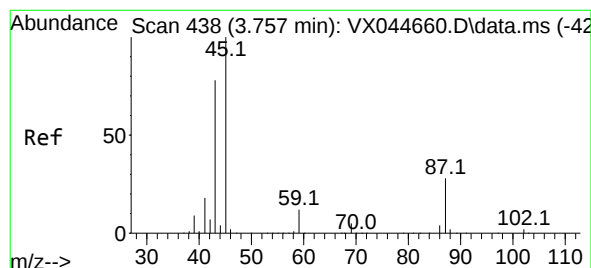
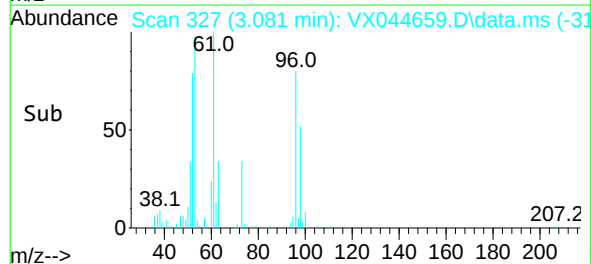
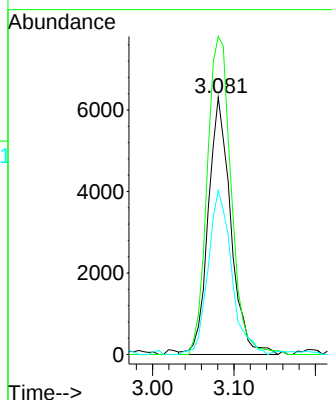
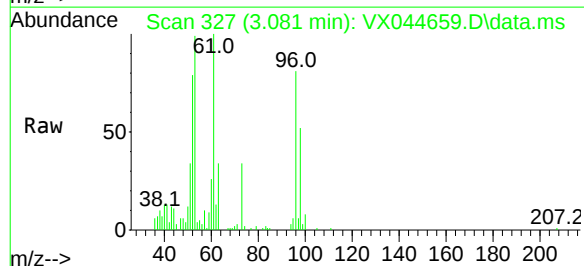
96 100

61 123.7 111.5 167.3

98 63.8 52.6 79.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#20

Diisopropyl ether

Concen: 5.192 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Tgt Ion: 45 Resp: 40086

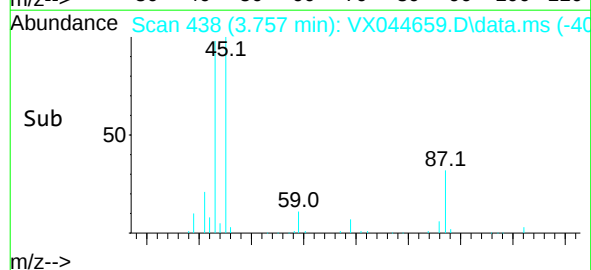
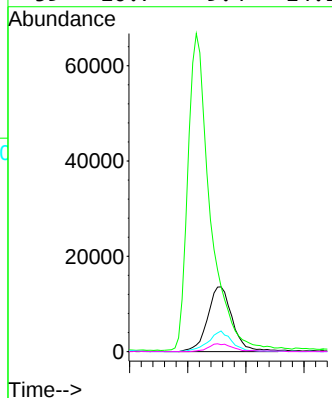
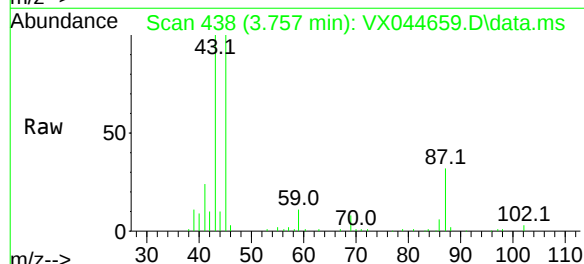
Ion Ratio Lower Upper

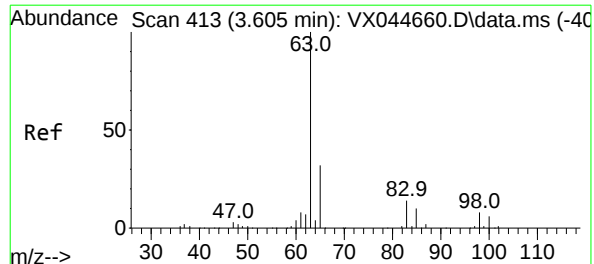
45 100

43 94.9 62.6 94.0#

87 31.8 22.7 34.1

59 10.7 9.4 14.2





#21

1,1-Dichloroethane

Concen: 4.925 ug/l

RT: 3.599 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

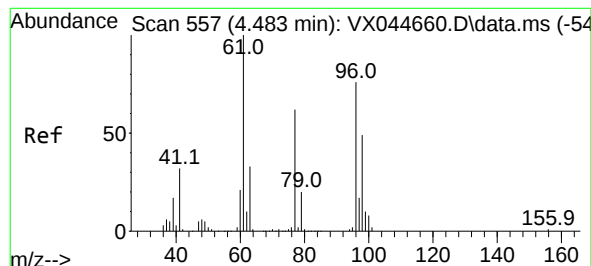
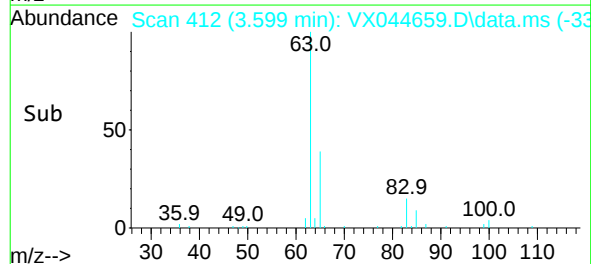
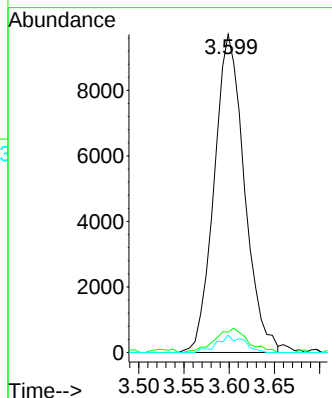
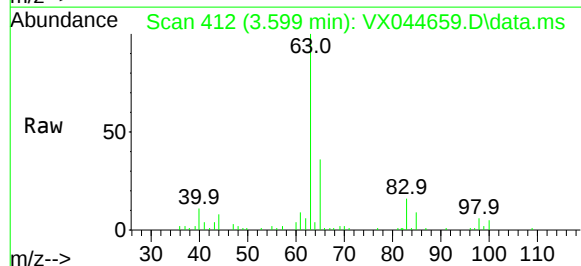
ClientSampleId :

VSTDICC005

Tgt Ion:	63	Resp:	22559
Ion	Ratio	Lower	Upper
63	100		
98	6.5	4.0	11.9
100	5.4	2.8	8.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#22

cis-1,2-Dichloroethene

Concen: 4.917 ug/l

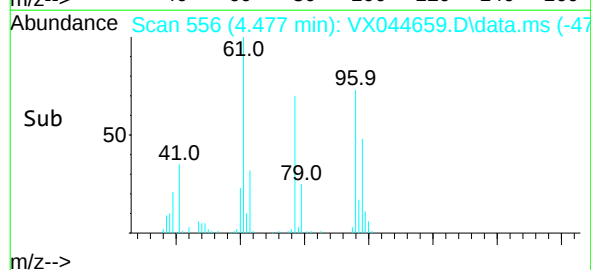
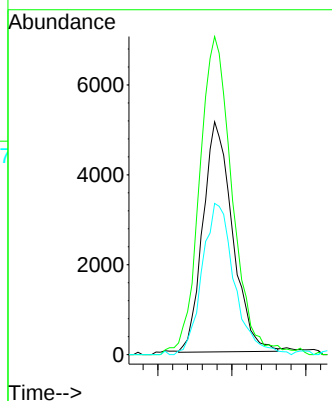
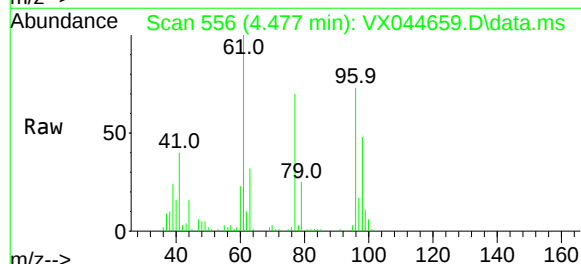
RT: 4.477 min Scan# 556

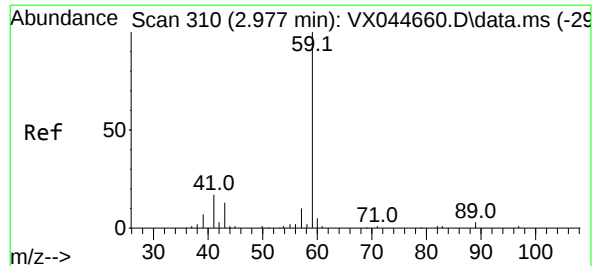
Delta R.T. -0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Tgt Ion:	96	Resp:	14274
Ion	Ratio	Lower	Upper
96	100		
61	149.9	115.2	172.8
98	70.9	51.8	77.6





#23

tert-Butyl Alcohol

Concen: 32.520 ug/l m

RT: 2.977 min Scan# 310

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 59 Resp: 17704

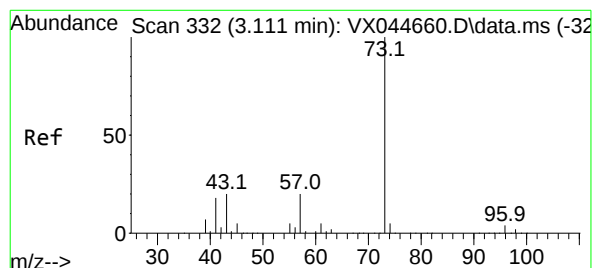
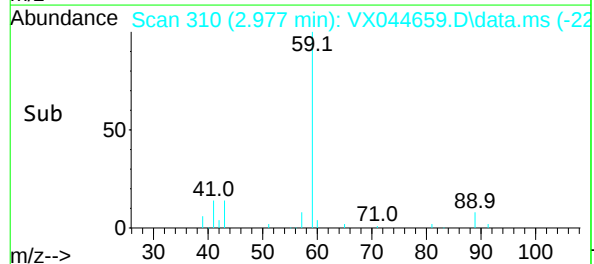
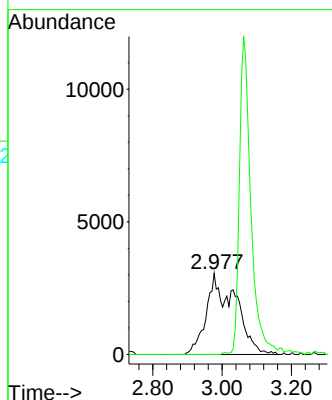
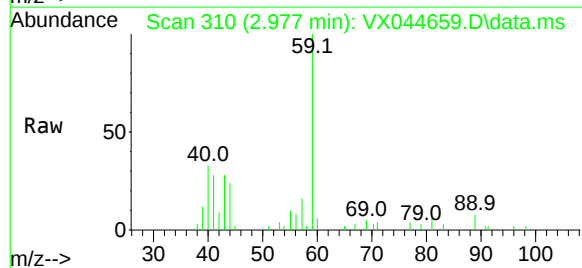
Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#24

Methyl tert-Butyl Ether

Concen: 5.132 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX044659.D

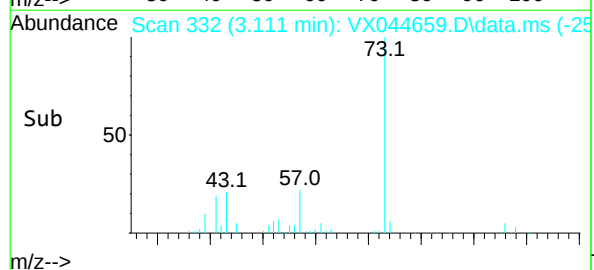
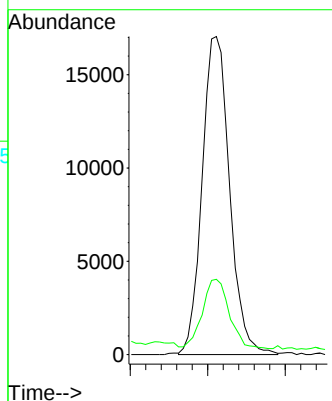
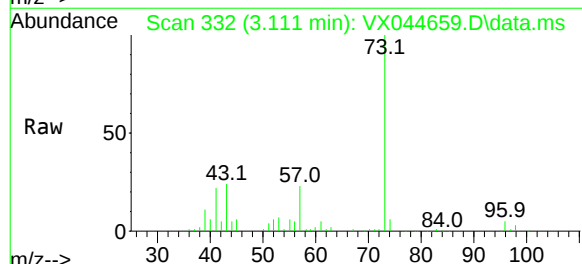
Acq: 16 Jan 2025 08:39

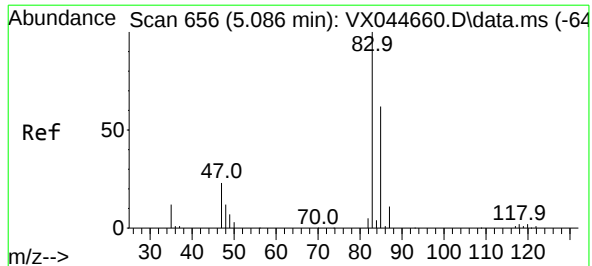
Tgt Ion: 73 Resp: 41947

Ion Ratio Lower Upper

73 100

43 21.3 16.9 25.3





#25

Chloroform

Concen: 5.012 ug/l

RT: 5.080 min Scan# 65

Delta R.T. -0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 22809

Ion Ratio Lower Upper

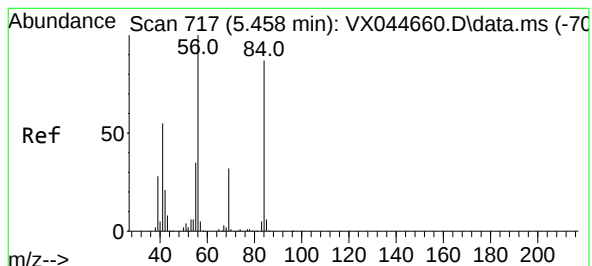
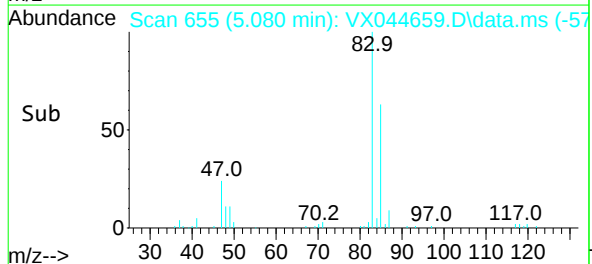
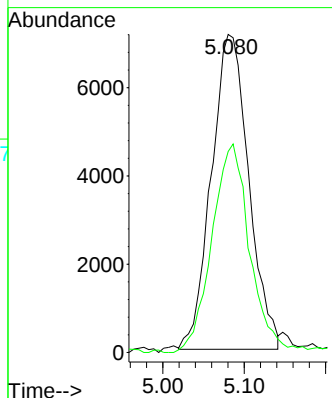
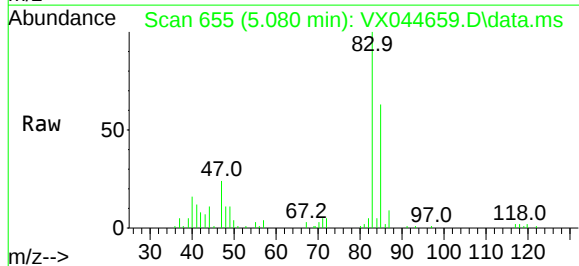
83 100

85 63.2 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#26

Cyclohexane

Concen: 5.241 ug/l

RT: 5.452 min Scan# 716

Delta R.T. -0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

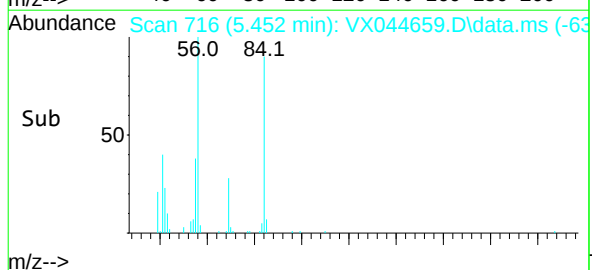
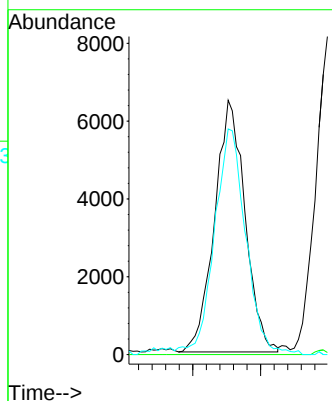
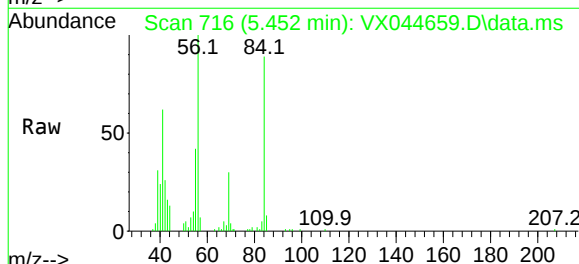
Tgt Ion: 56 Resp: 20174

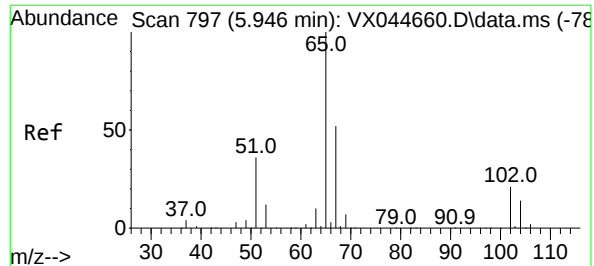
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 91.3 72.2 108.4





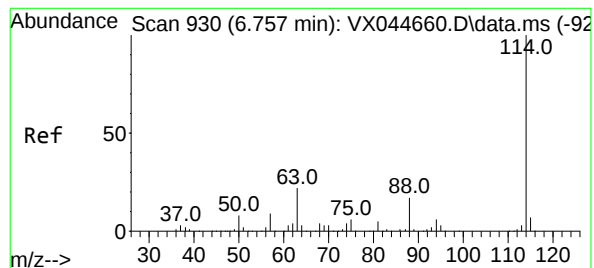
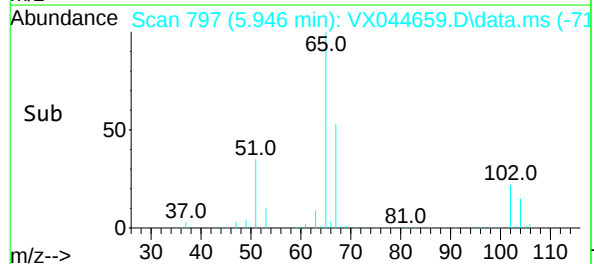
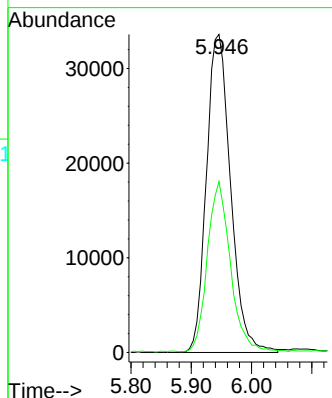
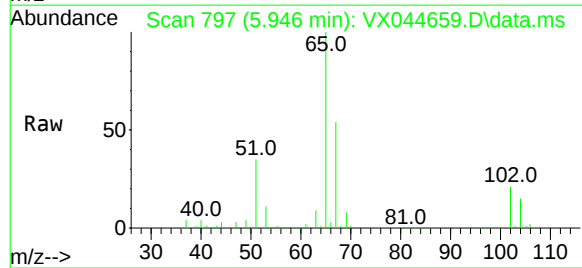
#27
1,2-Dichloroethane-d4
Concen: 30.407 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX044659.D
Acq: 16 Jan 2025 08:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 93745
Ion Ratio Lower Upper
65 100
67 51.1 41.4 62.2

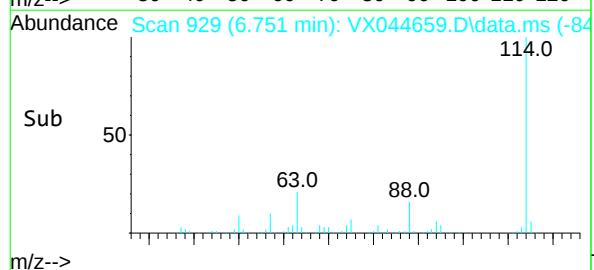
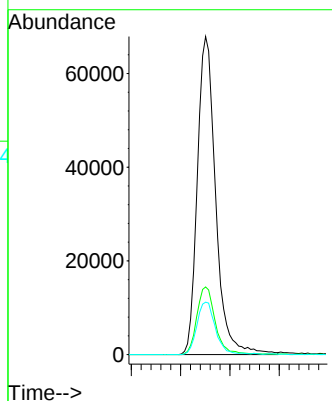
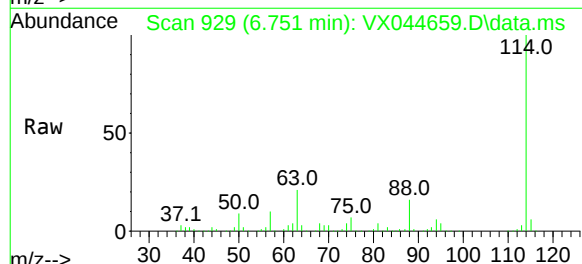
Manual Integrations
APPROVED

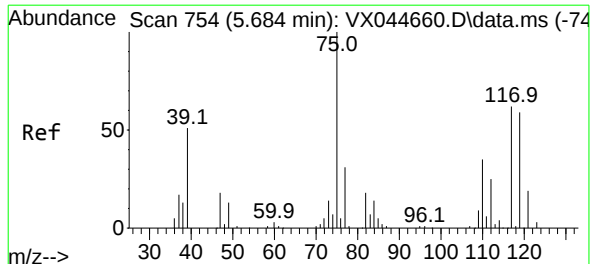
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044659.D
Acq: 16 Jan 2025 08:39

Tgt Ion:114 Resp: 175523
Ion Ratio Lower Upper
114 100
63 20.7 16.6 24.8
88 16.5 13.4 20.2





#29

1,1-Dichloropropene

Concen: 5.108 ug/l

RT: 5.684 min Scan# 75

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

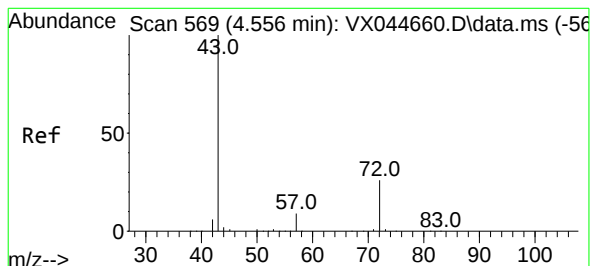
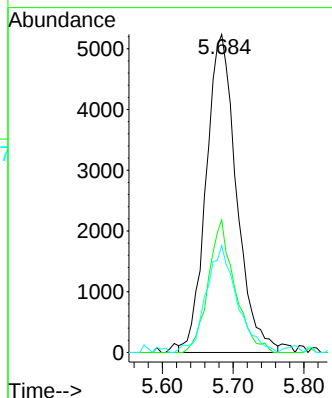
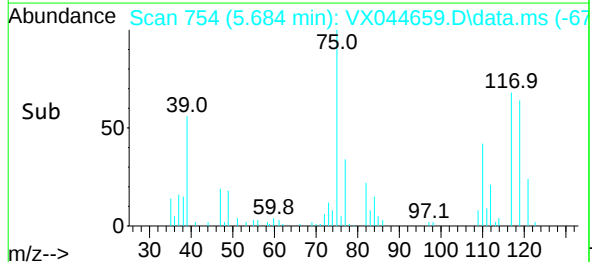
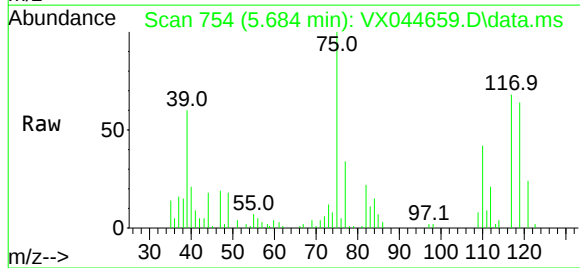
ClientSampleId :

VSTDICC005

Tgt Ion:	75	Resp:	15595
Ion	Ratio	Lower	Upper
75	100		
110	35.9	0.0	69.4
77	33.2	0.0	59.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#30

2-Butanone

Concen: 26.301 ug/l

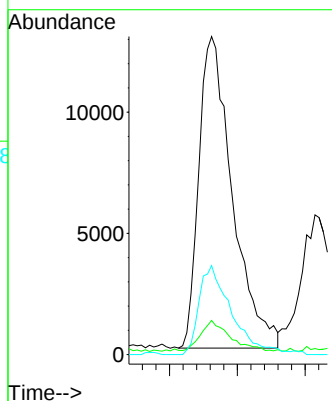
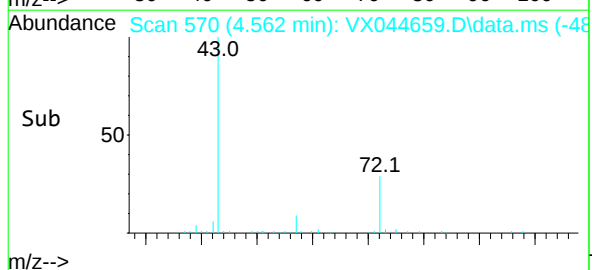
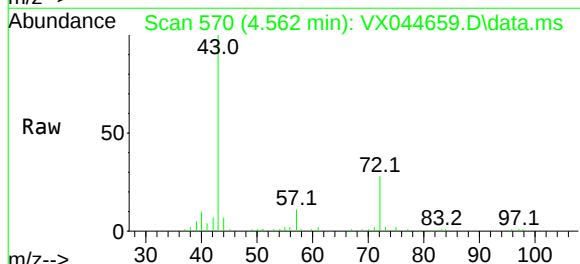
RT: 4.562 min Scan# 570

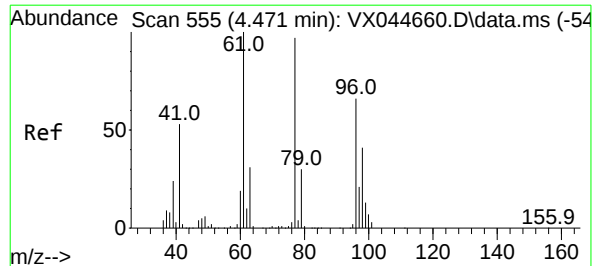
Delta R.T. 0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Tgt Ion:	43	Resp:	44109
Ion	Ratio	Lower	Upper
43	100		
57	7.3	6.4	9.6
72	27.4	21.5	32.3





#31

2,2-Dichloropropane

Concen: 5.303 ug/l m

RT: 4.458 min Scan# 55

Delta R.T. -0.012 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 77 Resp: 22402

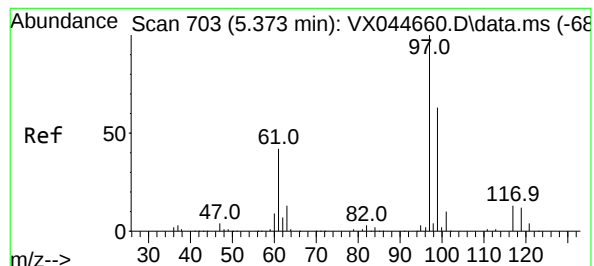
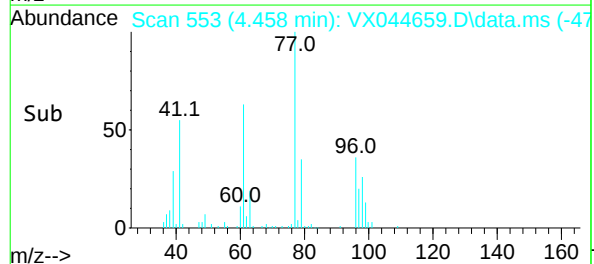
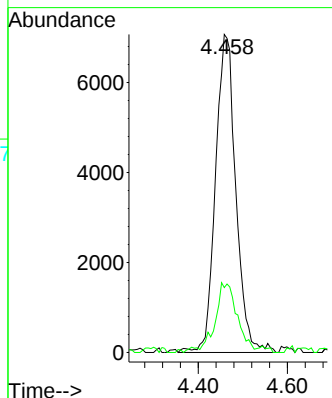
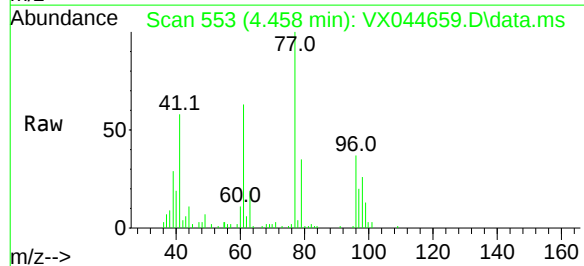
Ion Ratio Lower Upper

77 100

97 0.2 18.6 27.8#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#32

1,1,1-Trichloroethane

Concen: 5.270 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

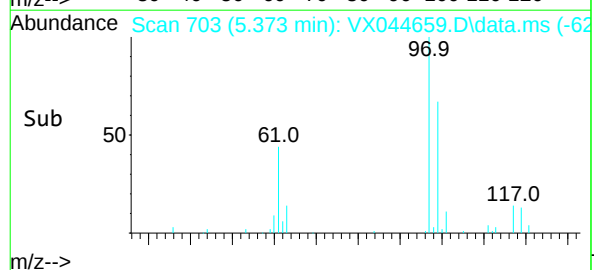
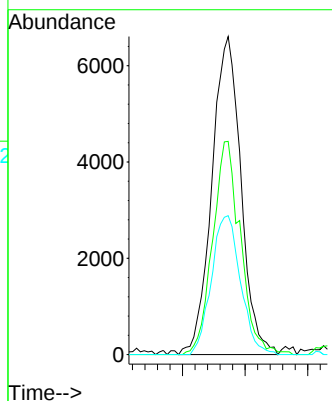
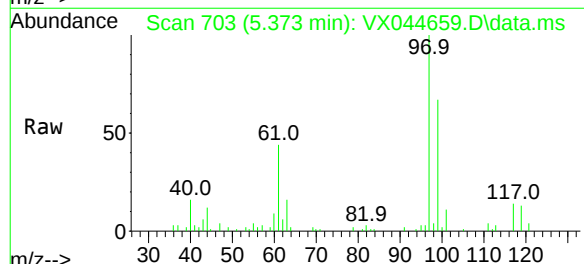
Tgt Ion: 97 Resp: 21324

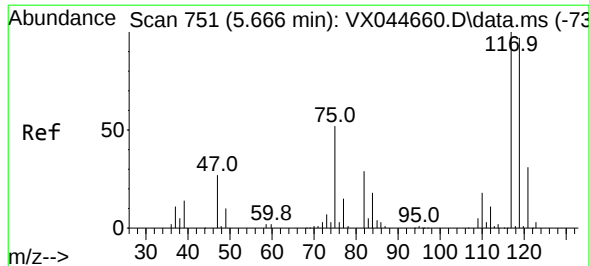
Ion Ratio Lower Upper

97 100

99 63.2 50.5 75.7

61 43.7 34.6 51.8





#33

Carbon Tetrachloride

Concen: 5.277 ug/l

RT: 5.659 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:117 Resp: 18012

Ion Ratio Lower Upper

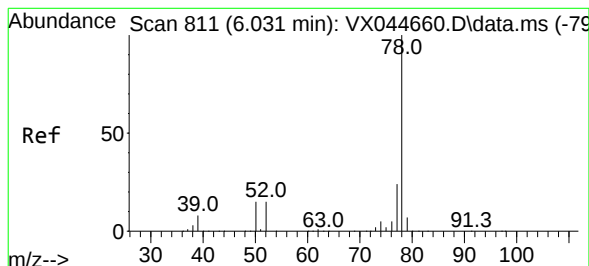
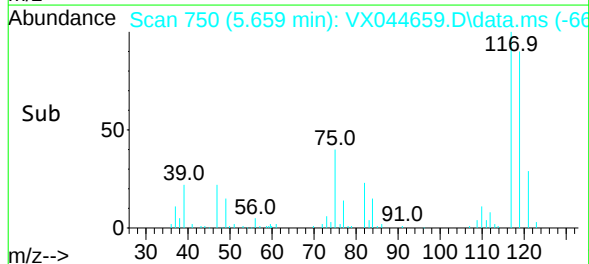
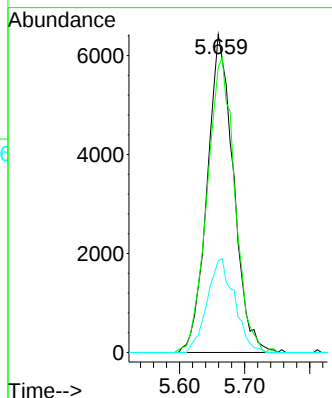
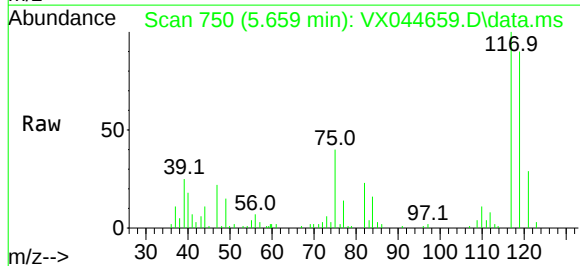
117 100

119 89.7 77.3 115.9

121 28.9 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#34

Benzene

Concen: 5.165 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

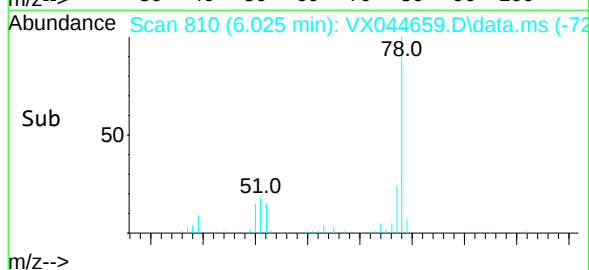
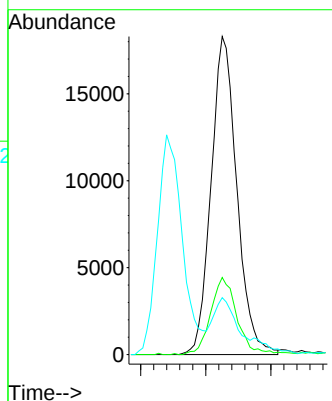
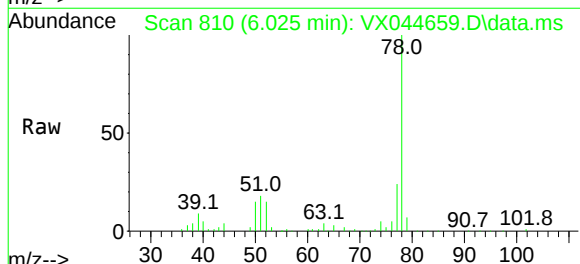
Tgt Ion: 78 Resp: 50311

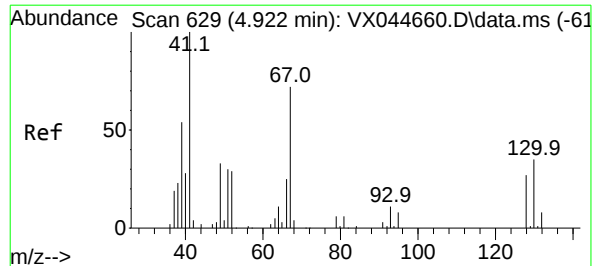
Ion Ratio Lower Upper

78 100

77 24.2 19.3 28.9

51 16.1 12.7 19.1





#35

Methacrylonitrile

Concen: 5.133 ug/l

RT: 4.922 min Scan# 62

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 9621

Ion Ratio Lower Upper

41 100

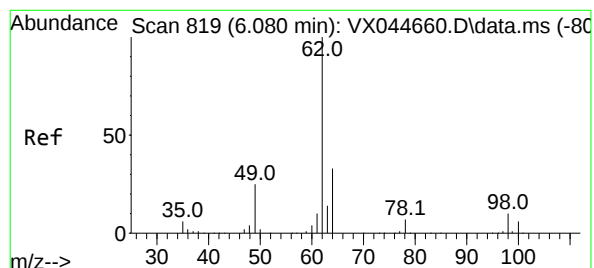
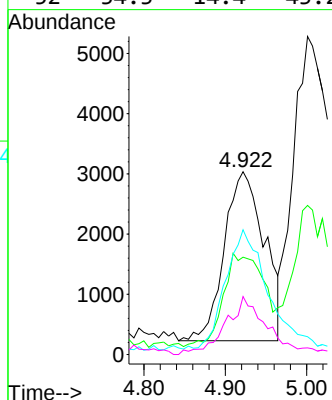
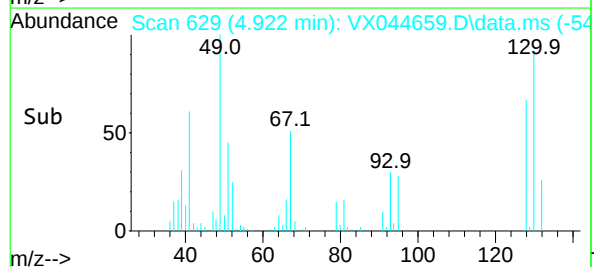
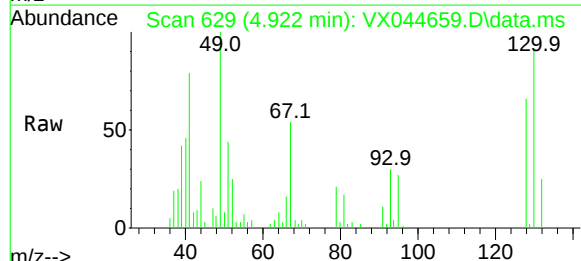
39 51.1 27.1 81.3

67 69.9 35.8 107.4

52 34.3 14.4 43.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#36

1,2-Dichloroethane

Concen: 5.125 ug/l

RT: 6.080 min Scan# 819

Delta R.T. -0.000 min

Lab File: VX044659.D

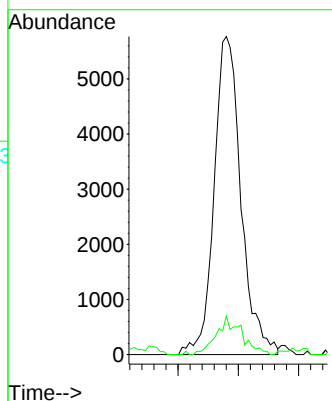
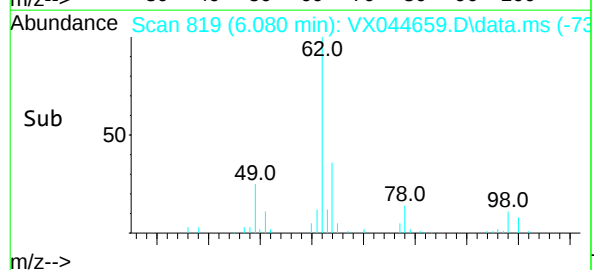
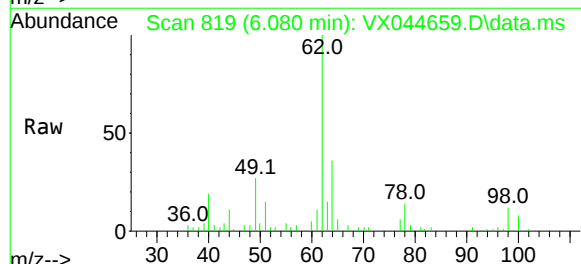
Acq: 16 Jan 2025 08:39

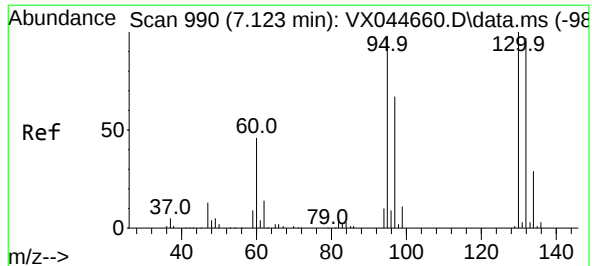
Tgt Ion: 62 Resp: 17847

Ion Ratio Lower Upper

62 100

98 6.2 7.4 11.2#





#37

Trichloroethene

Concen: 4.896 ug/l

RT: 7.116 min Scan# 98

Delta R.T. -0.006 min

Lab File: VX044659.D

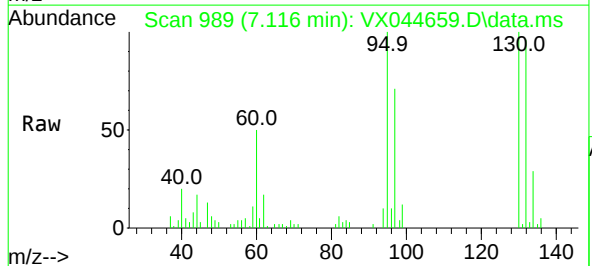
Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005



Tgt Ion:130 Resp: 11515

Ion Ratio Lower Upper

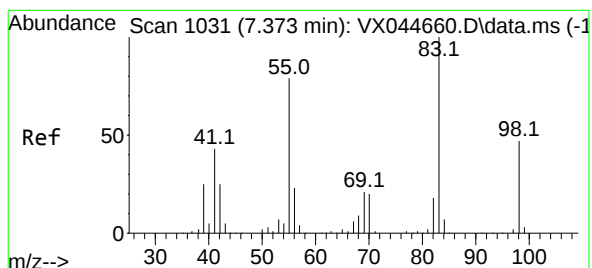
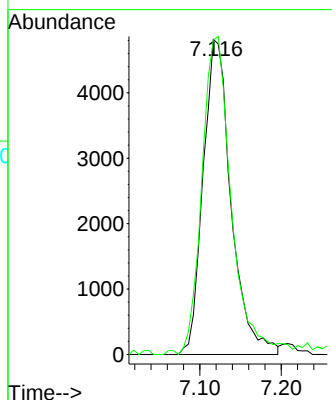
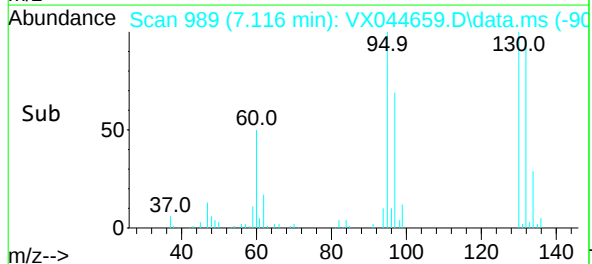
130 100

95 99.8 78.2 117.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#38

Methylcyclohexane

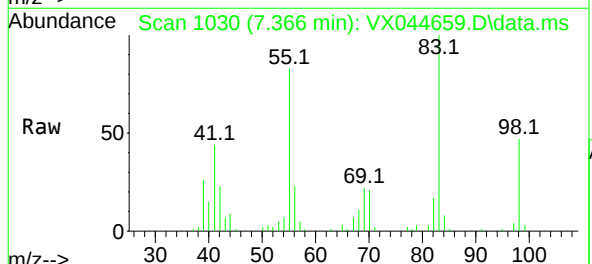
Concen: 5.138 ug/l

RT: 7.366 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39



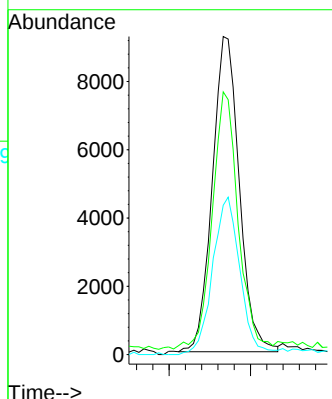
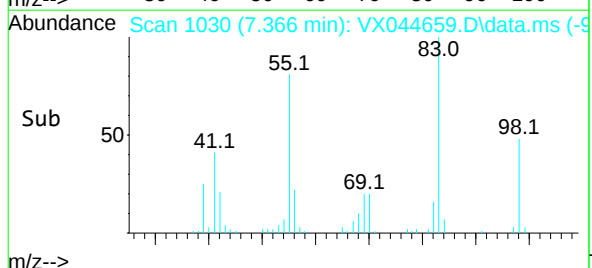
Tgt Ion: 83 Resp: 21311

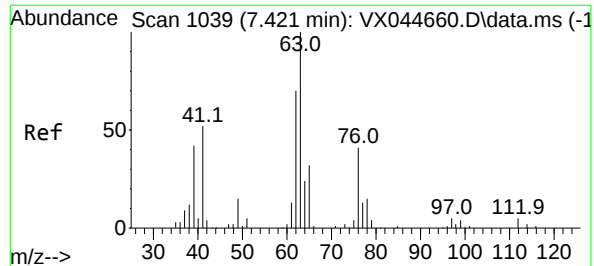
Ion Ratio Lower Upper

83 100

55 76.7 38.4 115.2

98 50.5 24.4 73.4





#39

1,2-Dichloropropane

Concen: 5.015 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 63 Resp: 12181

Ion Ratio Lower Upper

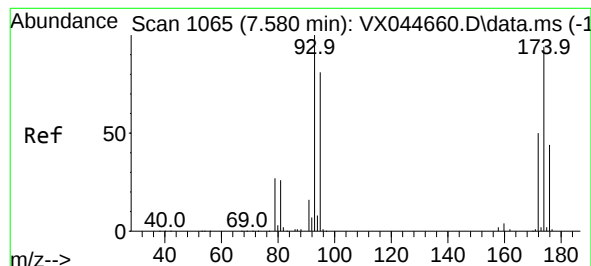
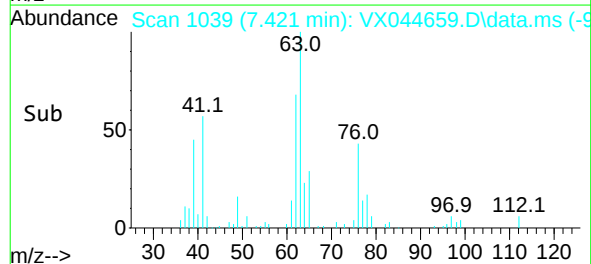
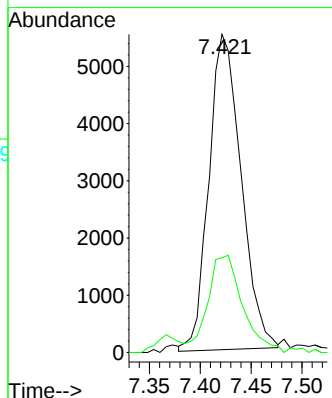
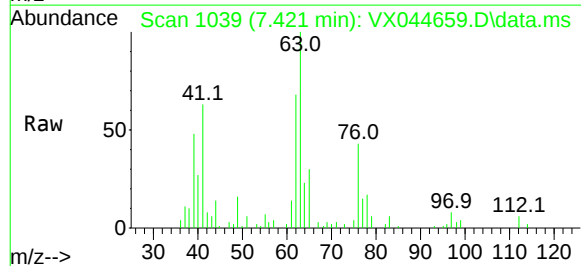
63 100

65 28.2 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#40

Dibromomethane

Concen: 5.165 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

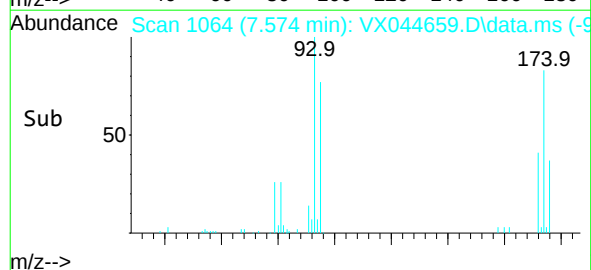
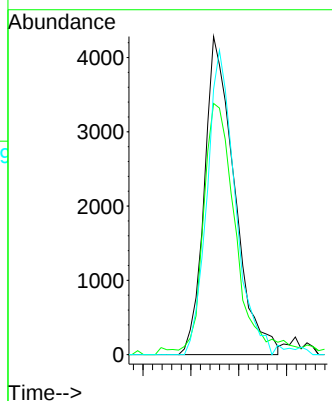
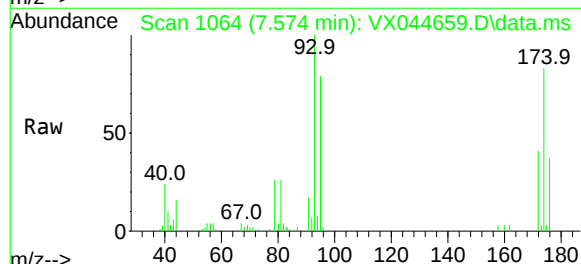
Tgt Ion: 93 Resp: 9326

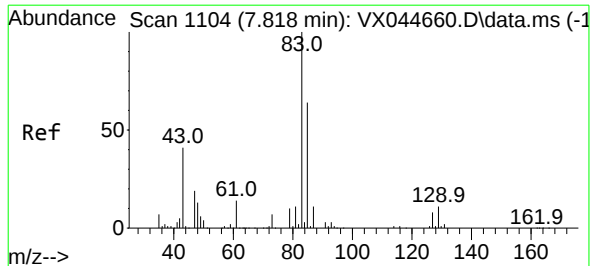
Ion Ratio Lower Upper

93 100

95 77.3 0.0 167.0

174 89.6 0.0 182.0





#41

Bromodichloromethane

Concen: 5.231 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 19506

Ion Ratio Lower Upper

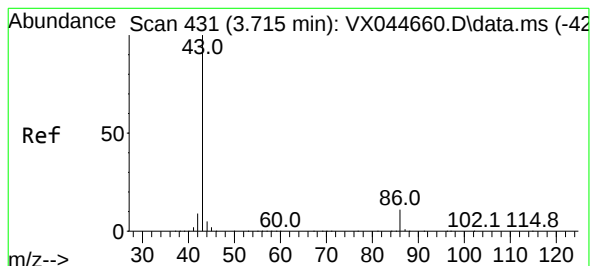
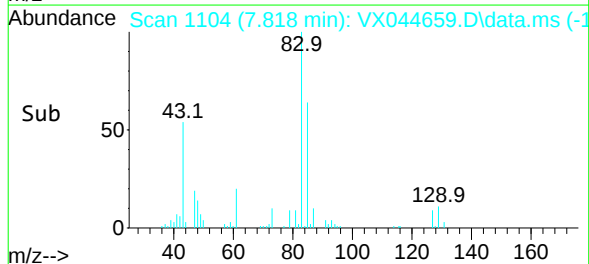
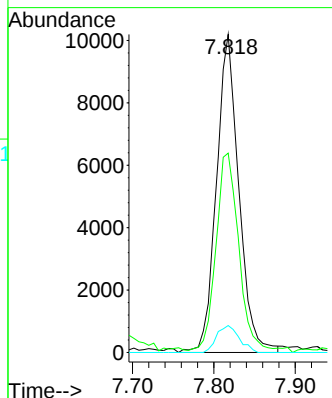
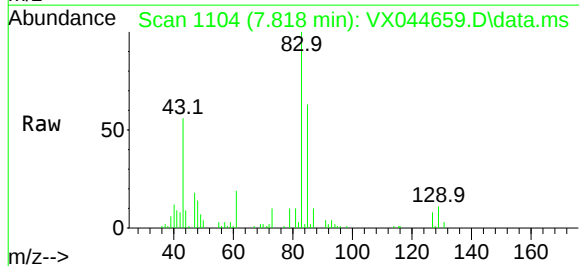
83 100

85 61.3 50.9 76.3

127 8.5 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#42

Vinyl Acetate

Concen: 26.526 ug/l

RT: 3.715 min Scan# 431

Delta R.T. -0.000 min

Lab File: VX044659.D

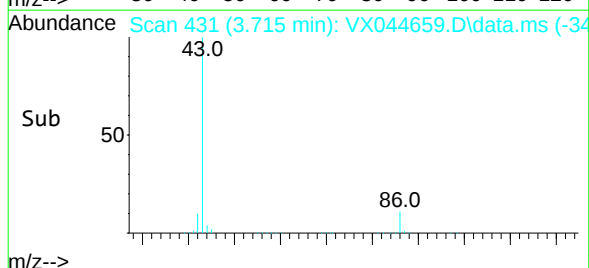
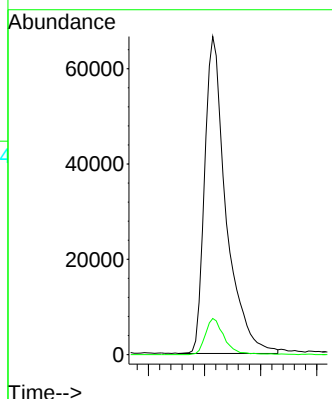
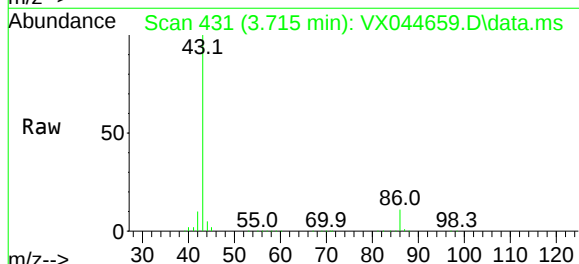
Acq: 16 Jan 2025 08:39

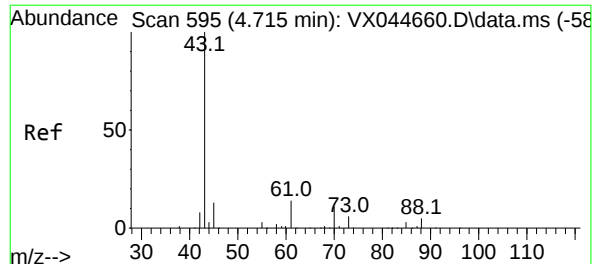
Tgt Ion: 43 Resp: 176672

Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0





#43

Ethyl Acetate

Concen: 4.791 ug/l

RT: 4.714 min Scan# 59

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 15761

Ion Ratio Lower Upper

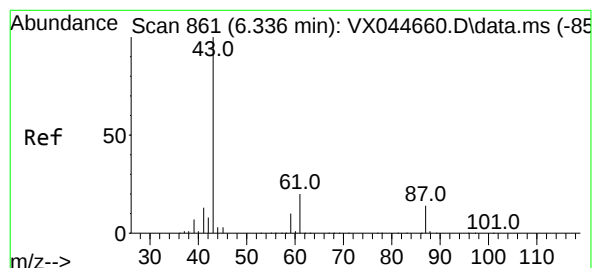
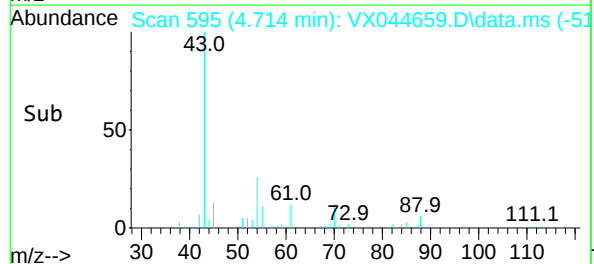
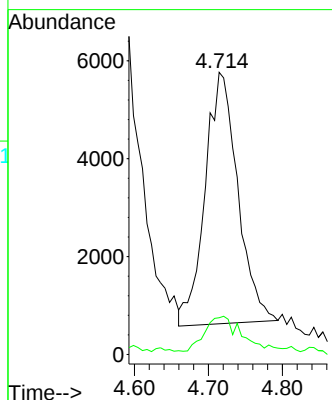
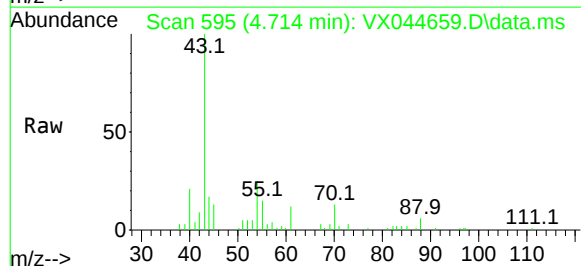
43 100

45 10.8 0.1 0.1#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#44

Isopropyl Acetate

Concen: 5.030 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.006 min

Lab File: VX044659.D

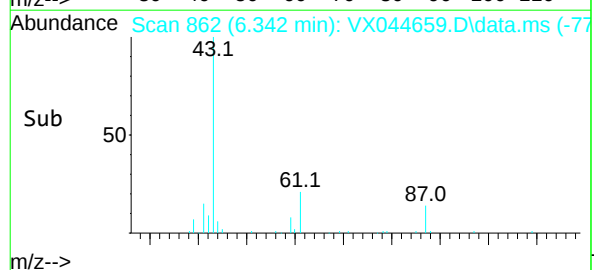
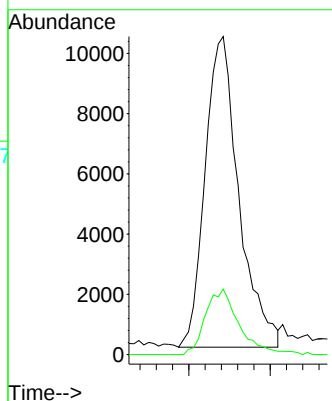
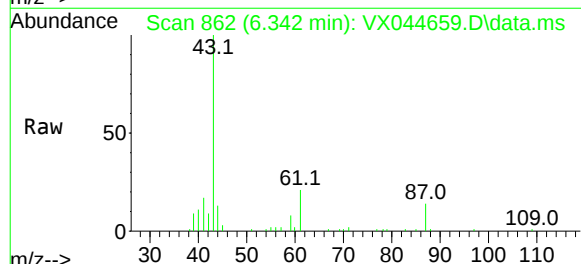
Acq: 16 Jan 2025 08:39

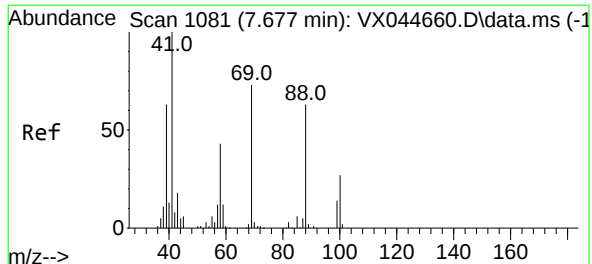
Tgt Ion: 43 Resp: 29728

Ion Ratio Lower Upper

43 100

61 20.7 16.2 24.4





#45

1,4-Dioxane

Concen: 109.953 ug/l

RT: 7.671 min Scan# 1081

Delta R.T. -0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 6188

Ion Ratio Lower Upper

88 100

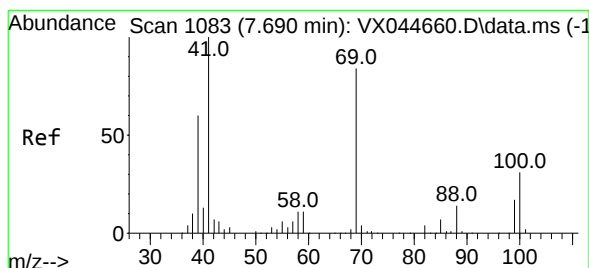
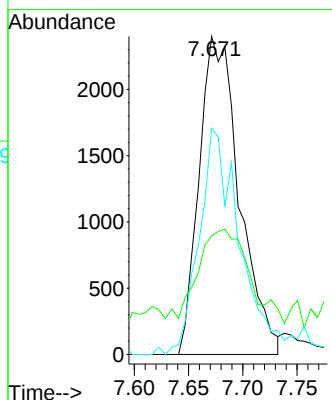
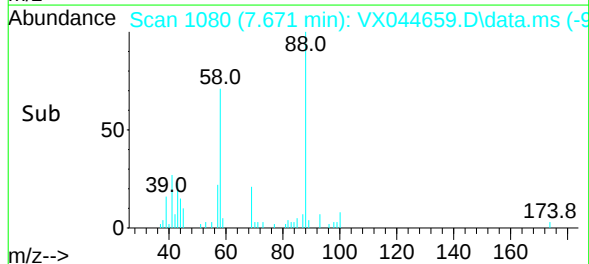
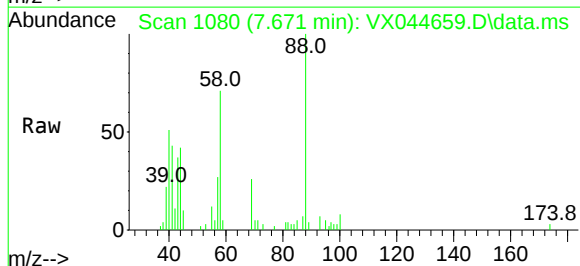
43 32.0 25.9 38.9

58 71.0 58.9 88.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025



#46

Methyl methacrylate

Concen: 5.119 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

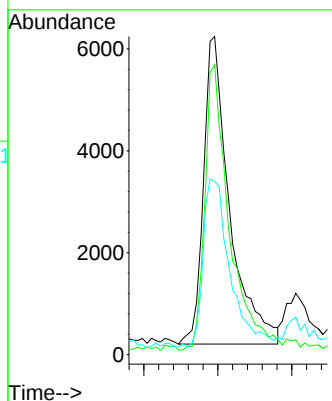
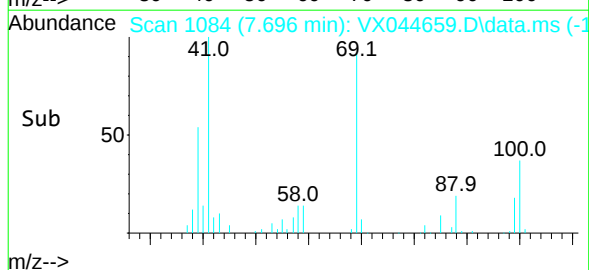
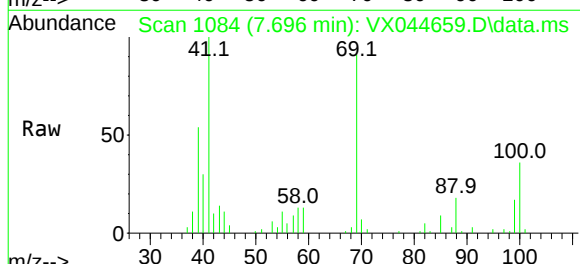
Tgt Ion: 41 Resp: 14808

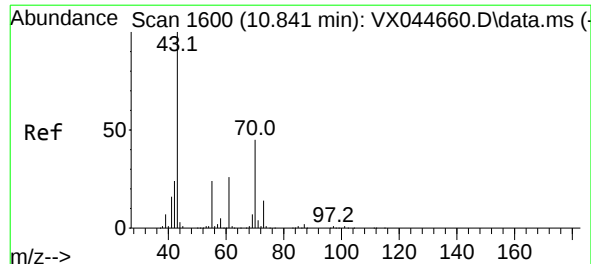
Ion Ratio Lower Upper

41 100

69 92.8 41.9 125.7

39 53.9 30.1 90.3





#47

n-amy1 Acetate

Concen: 5.207 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 25825

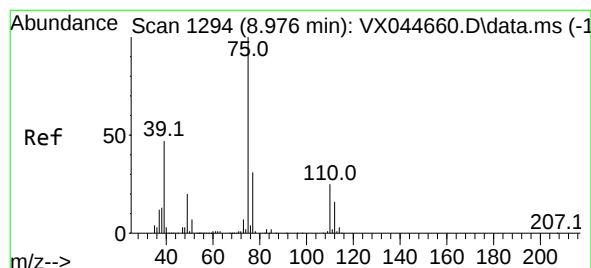
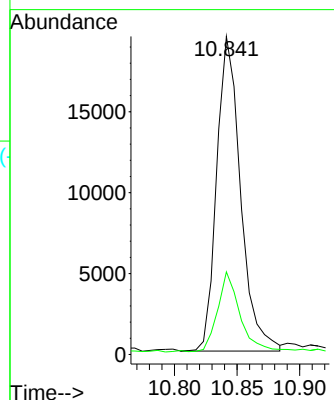
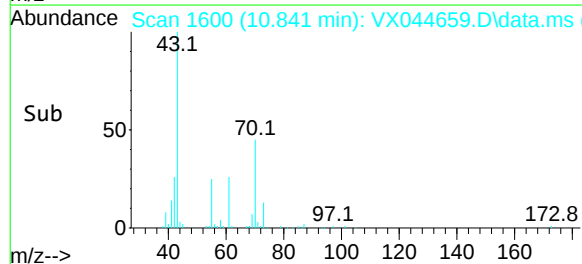
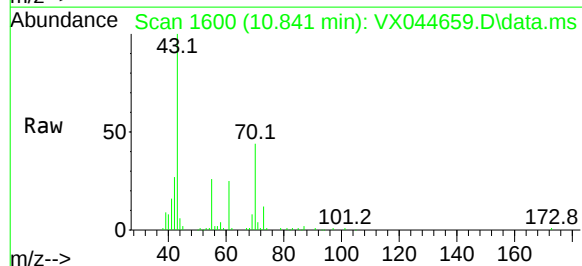
Ion Ratio Lower Upper

43 100

55 23.5 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#48

t-1,3-Dichloropropene

Concen: 5.005 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX044659.D

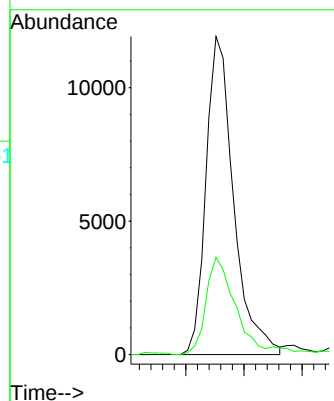
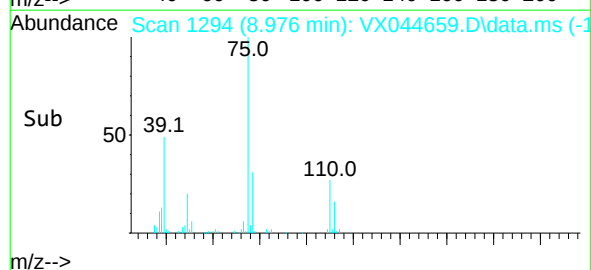
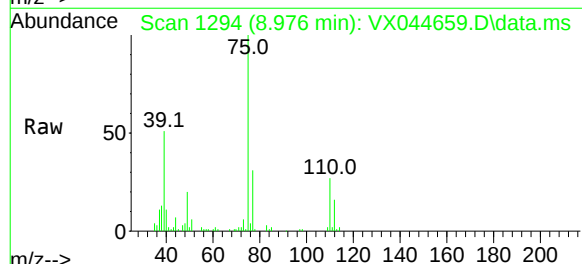
Acq: 16 Jan 2025 08:39

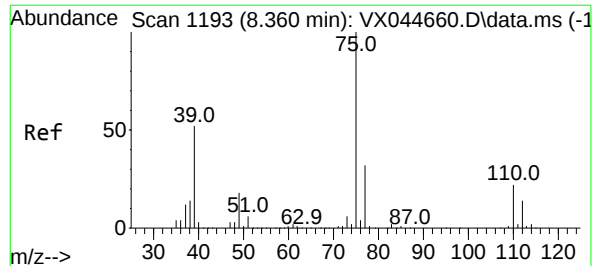
Tgt Ion: 75 Resp: 19698

Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 5.112 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044659.D

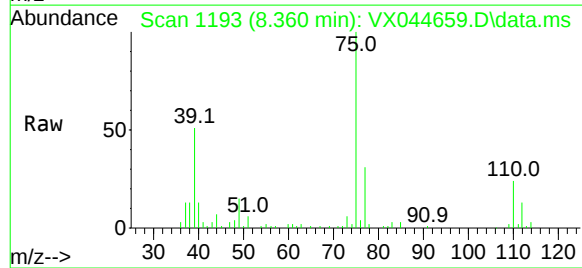
Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005



Tgt Ion: 75 Resp: 21573

Ion Ratio Lower Upper

75 100

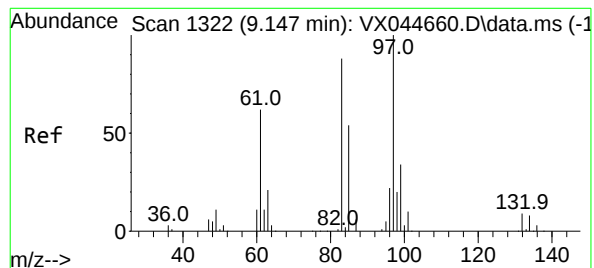
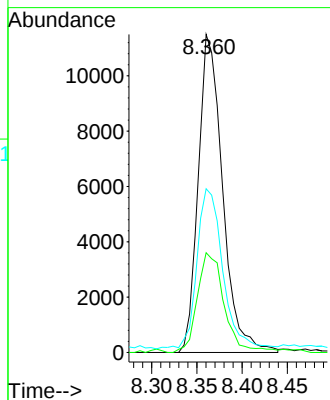
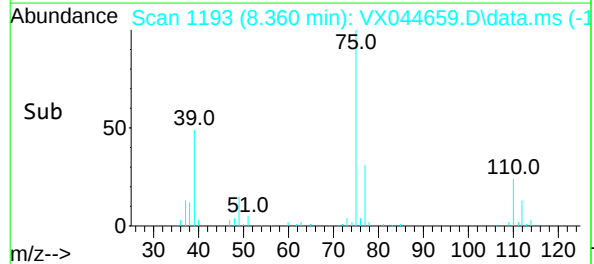
77 30.6 25.4 38.0

39 50.0 41.4 62.0

Manual Integrations

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Supervised By :Semsettin Yesilyurt 01/17/2025



#50

1,1,2-Trichloroethane

Concen: 5.334 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Tgt Ion: 97 Resp: 12425

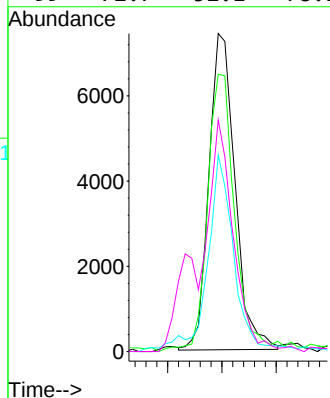
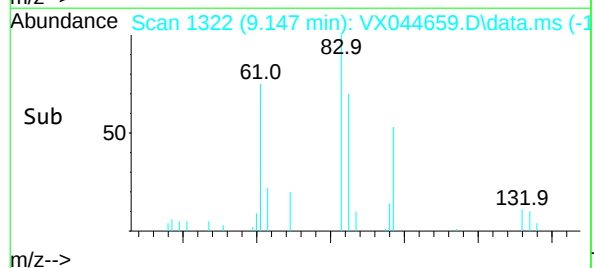
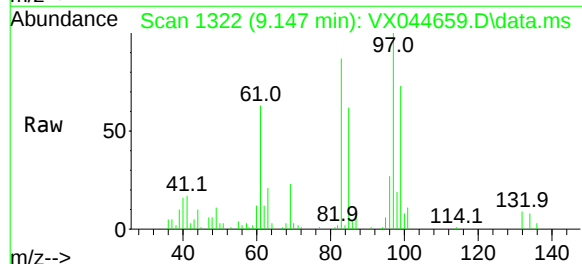
Ion Ratio Lower Upper

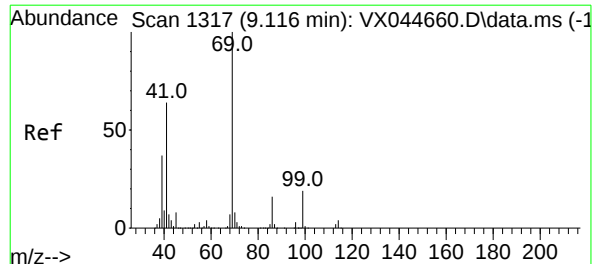
97 100

83 86.9 69.2 103.8

85 60.8 44.8 67.2

99 72.7 52.1 78.1





#51

Ethyl methacrylate

Concen: 5.148 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 69 Resp: 20798

Ion Ratio Lower Upper

69 100

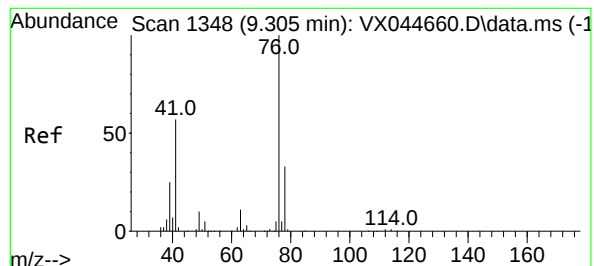
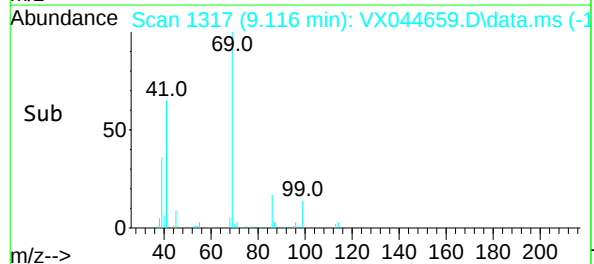
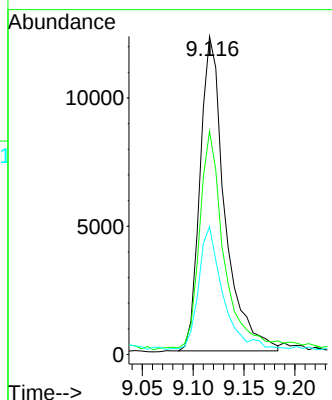
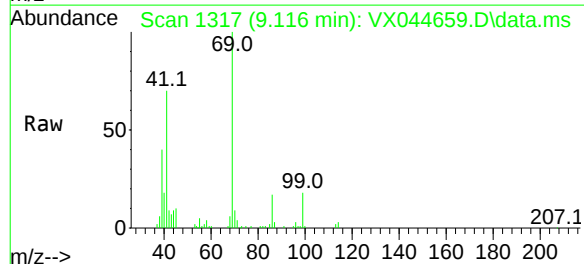
41 68.9 32.0 96.0

39 38.8 18.6 55.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#52

1,3-Dichloropropane

Concen: 5.362 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VX044659.D

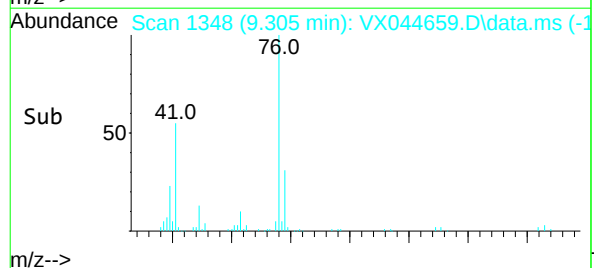
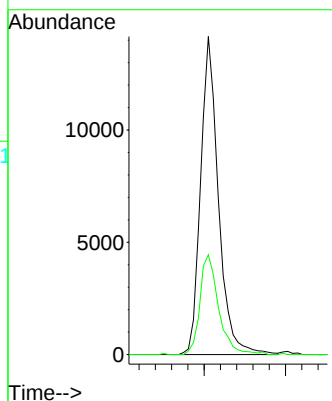
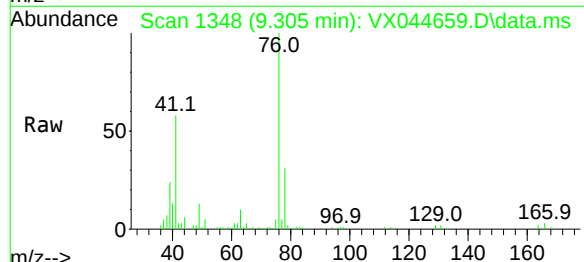
Acq: 16 Jan 2025 08:39

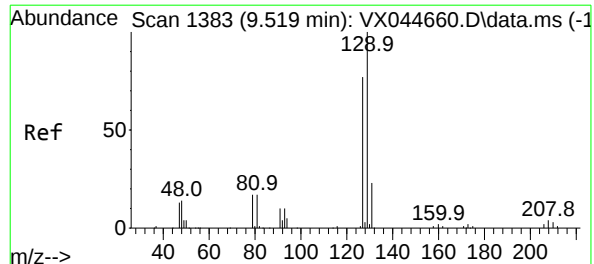
Tgt Ion: 76 Resp: 21568

Ion Ratio Lower Upper

76 100

78 32.8 0.0 64.0





#53

Dibromochloromethane

Concen: 5.338 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion:129 Resp: 14835

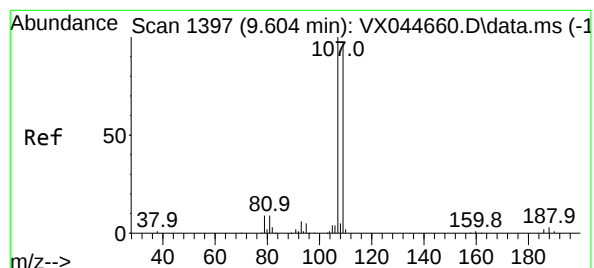
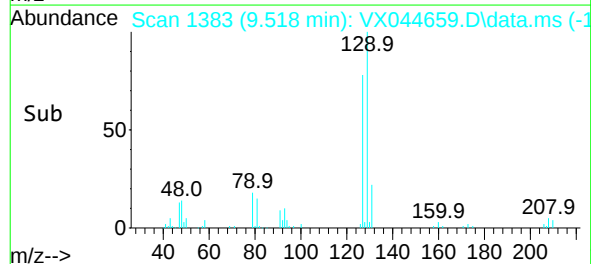
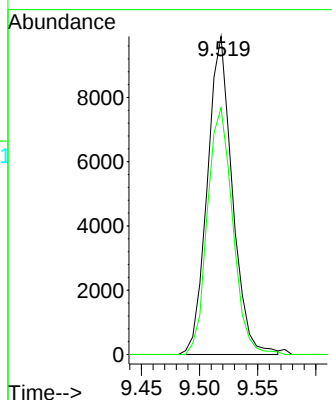
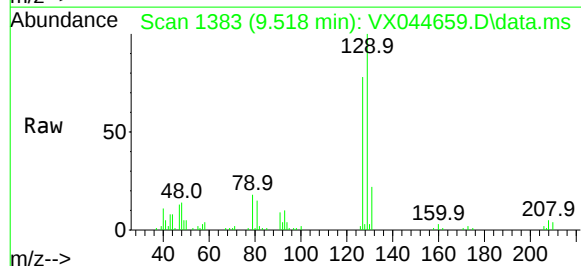
Ion Ratio Lower Upper

129 100

127 78.2 37.8 113.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#54

1,2-Dibromoethane

Concen: 5.346 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX044659.D

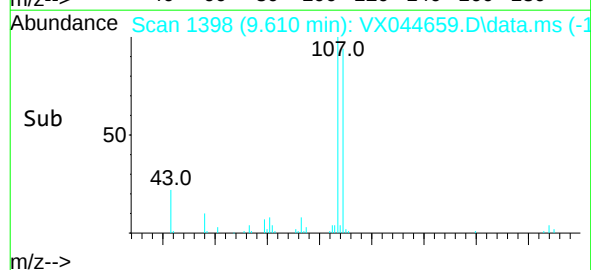
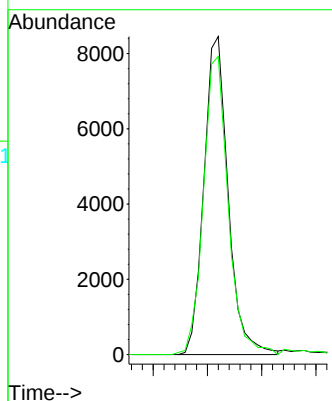
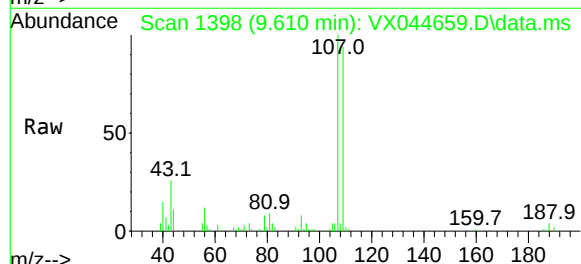
Acq: 16 Jan 2025 08:39

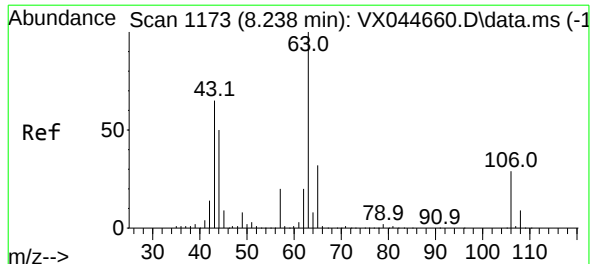
Tgt Ion:107 Resp: 13144

Ion Ratio Lower Upper

107 100

109 94.5 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 28.109 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

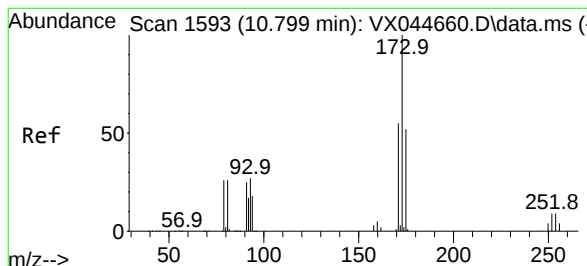
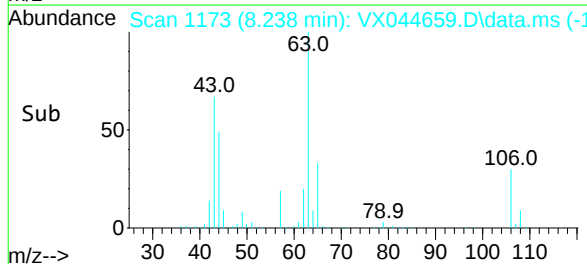
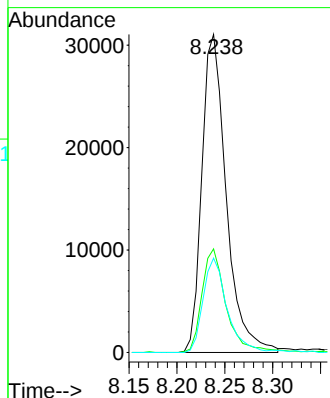
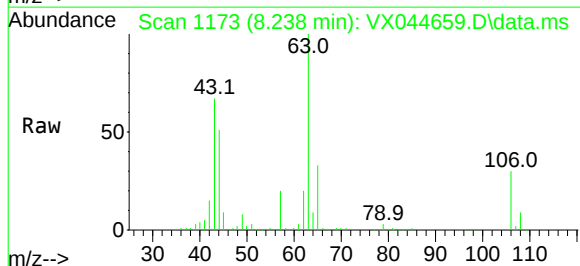
ClientSampleId :

VSTDIC005

Tgt Ion:	63	Resp:	55031
Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.8	38.6
106	28.9	23.1	34.7

Manual Integrations
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Supervised By :Semsettin Yesilyurt 01/17/2025



#56

Bromoform

Concen: 5.399 ug/l

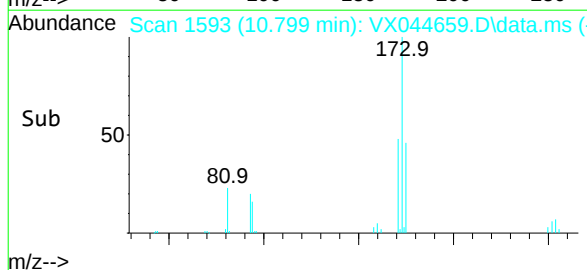
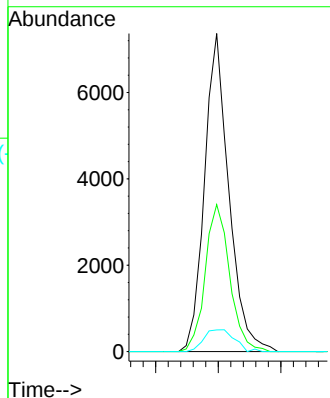
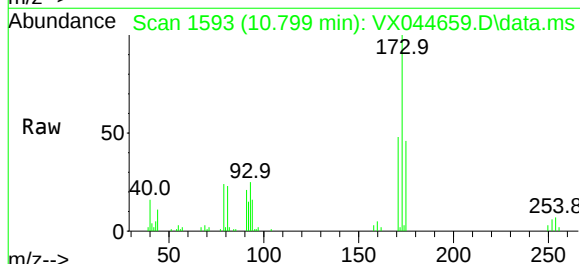
RT: 10.799 min Scan# 1593

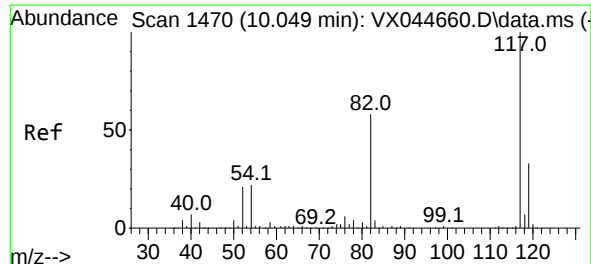
Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Tgt Ion:	173	Resp:	9949
Ion	Ratio	Lower	Upper
173	100		
175	46.6	39.0	58.6
254	8.5	6.5	9.7





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 117 Resp: 154224

Ion Ratio Lower Upper

117 100

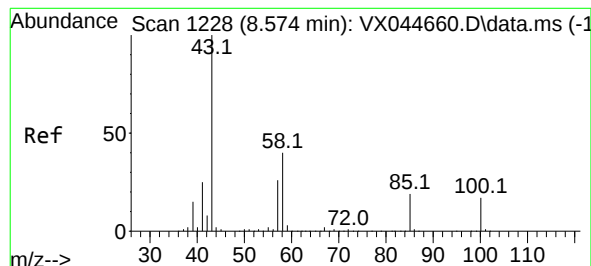
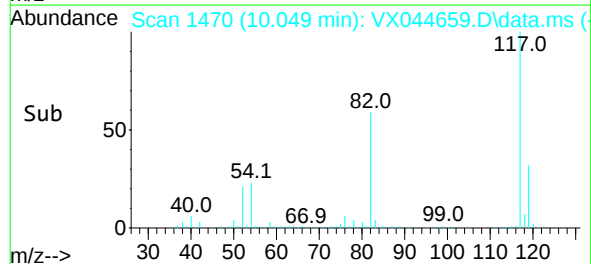
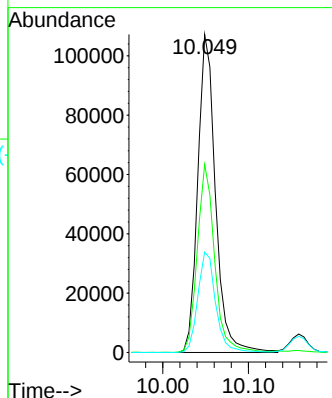
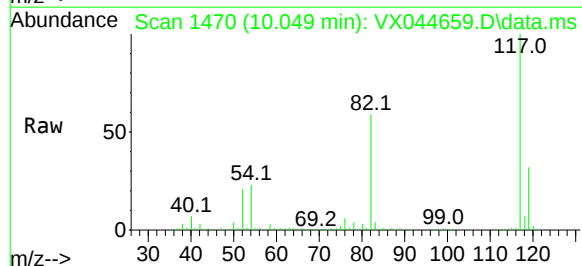
82 58.1 45.8 68.6

119 31.9 25.8 38.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#58

4-Methyl-2-Pentanone

Concen: 27.090 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

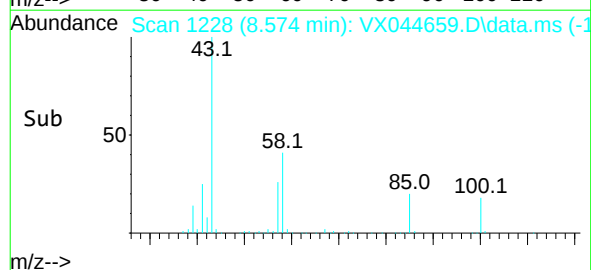
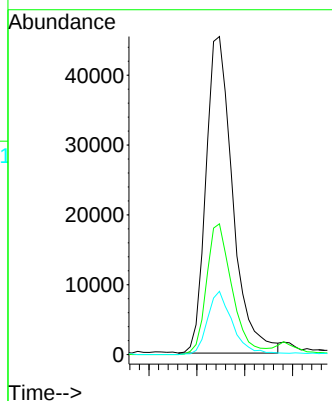
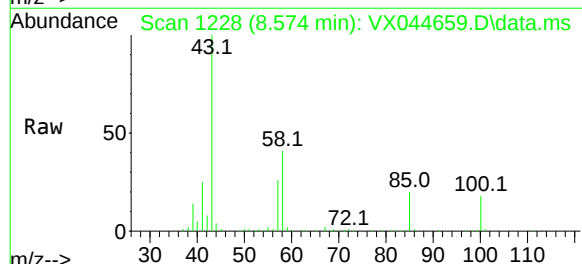
Tgt Ion: 43 Resp: 88064

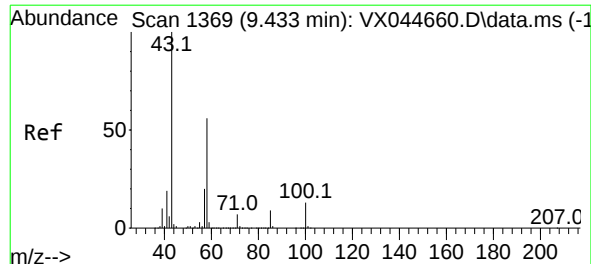
Ion Ratio Lower Upper

43 100

58 39.5 31.7 47.5

85 18.9 15.0 22.6





#59

2-Hexanone

Concen: 27.167 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

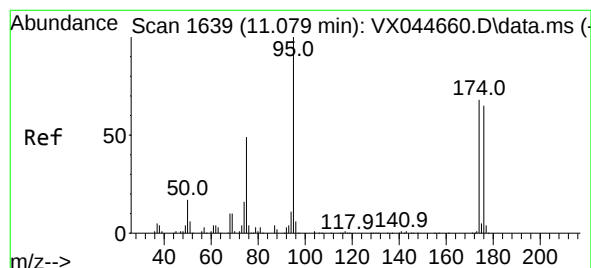
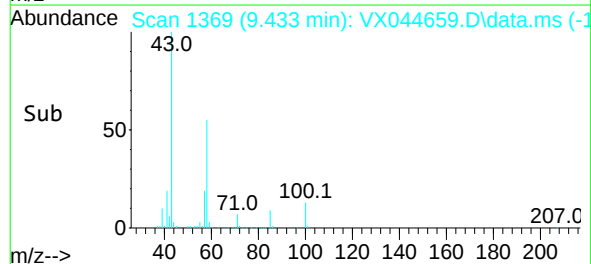
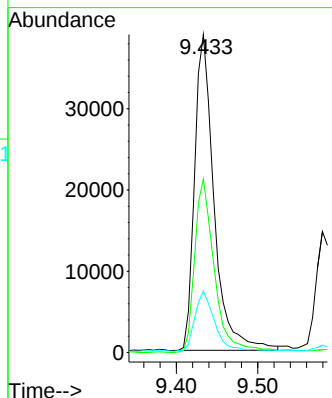
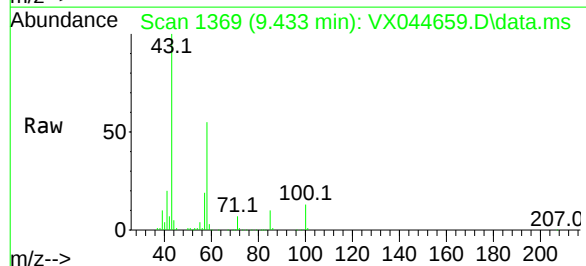
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	64656
Ion	Ratio	Lower	Upper
43	100		
58	55.0	44.4	66.6
57	19.1	15.5	23.3

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Supervised By :Semsettin Yesilyurt 01/17/2025



#60

4-Bromofluorobenzene

Concen: 29.790 ug/l

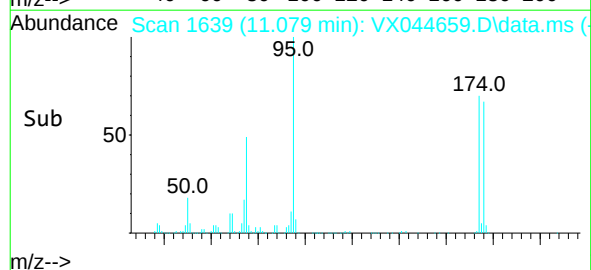
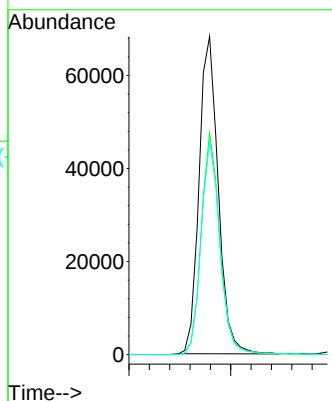
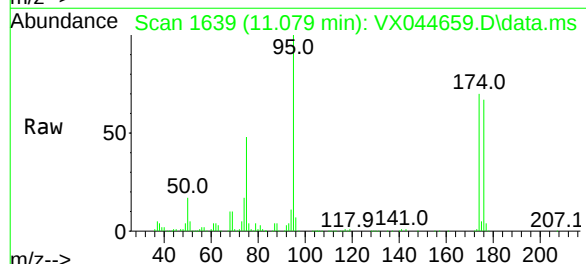
RT: 11.079 min Scan# 1639

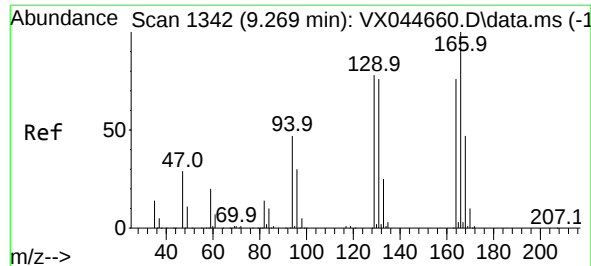
Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Tgt Ion:	95	Resp:	89238
Ion	Ratio	Lower	Upper
95	100		
174	67.7	54.6	81.8
176	66.0	52.8	79.2





#61

Tetrachloroethene

Concen: 5.075 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion:164 Resp: 9388

Ion Ratio Lower Upper

164 100

166 123.0 105.6 158.4

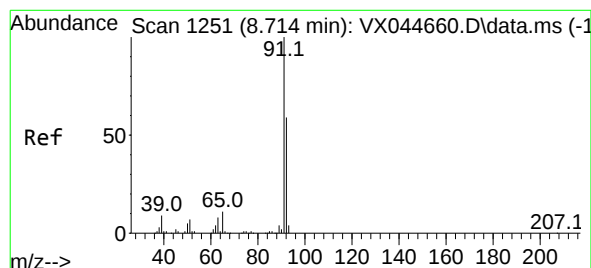
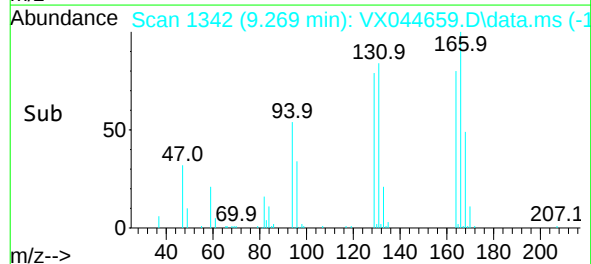
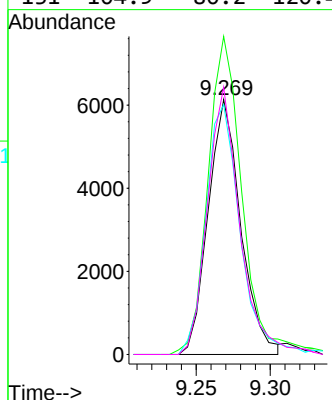
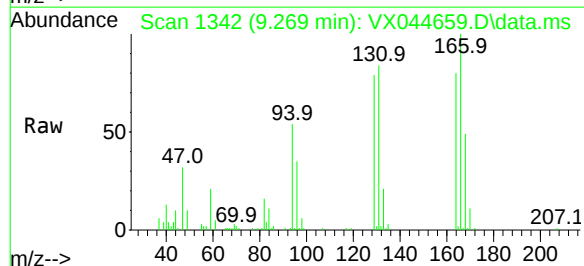
129 98.0 82.8 124.2

131 104.9 80.2 120.4

Manual Integrations

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Supervised By :Semsettin Yesilyurt 01/17/2025



#62

Toluene

Concen: 5.307 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX044659.D

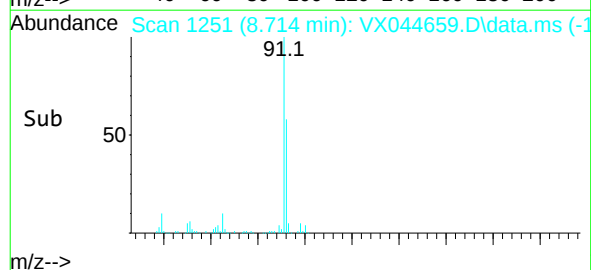
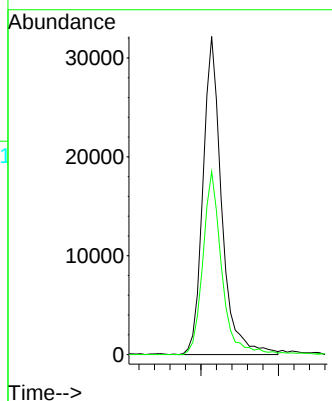
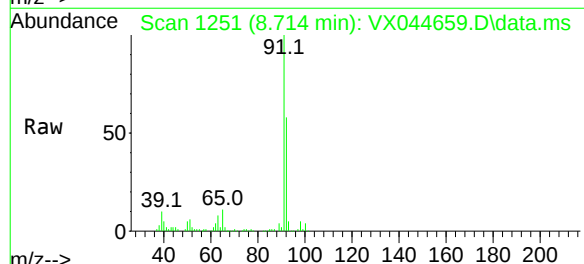
Acq: 16 Jan 2025 08:39

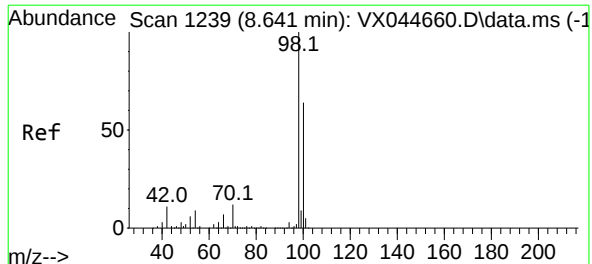
Tgt Ion: 91 Resp: 53894

Ion Ratio Lower Upper

91 100

92 57.2 47.3 70.9





#63

Toluene-d8

Concen: 30.772 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 98 Resp: 258118

Ion Ratio Lower Upper

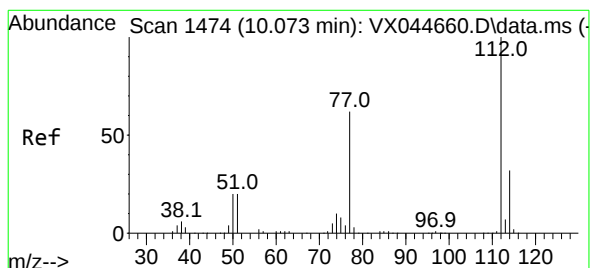
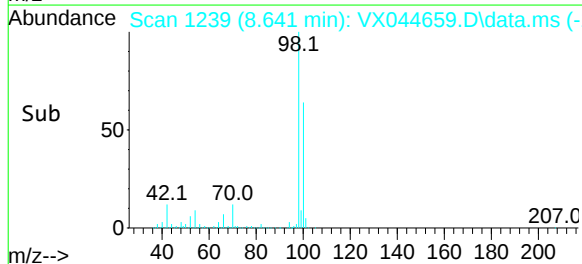
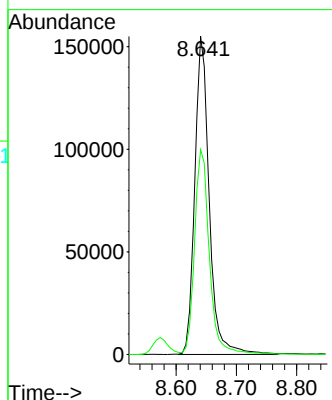
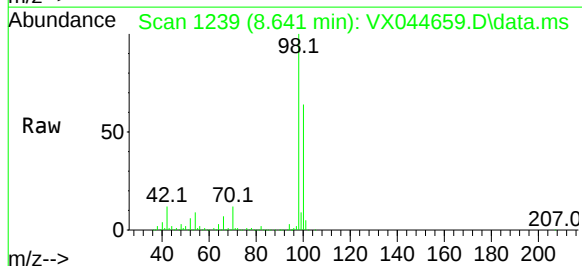
98 100

100 66.2 53.6 80.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#64

Chlorobenzene

Concen: 5.197 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. -0.000 min

Lab File: VX044659.D

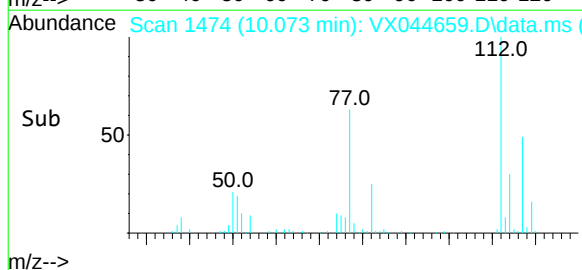
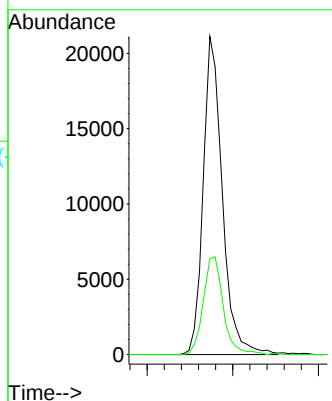
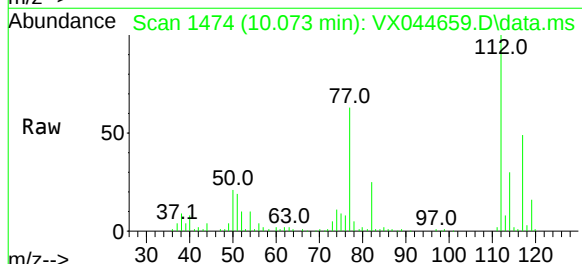
Acq: 16 Jan 2025 08:39

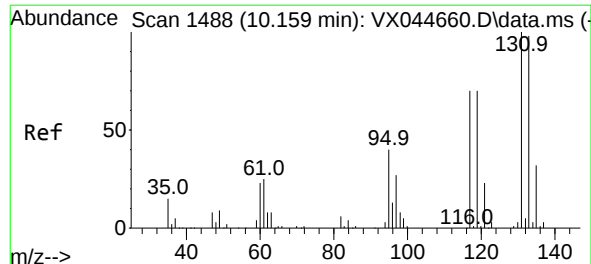
Tgt Ion:112 Resp: 32777

Ion Ratio Lower Upper

112 100

114 30.1 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 5.215 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

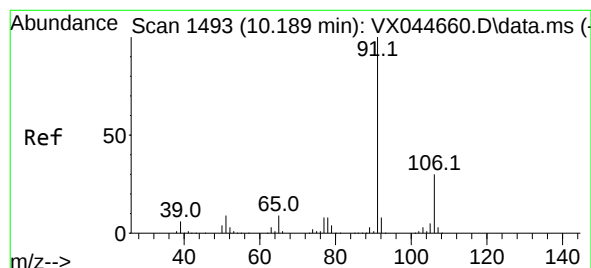
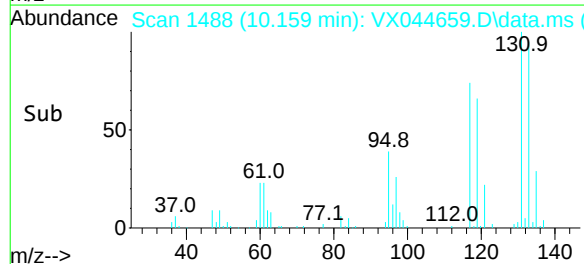
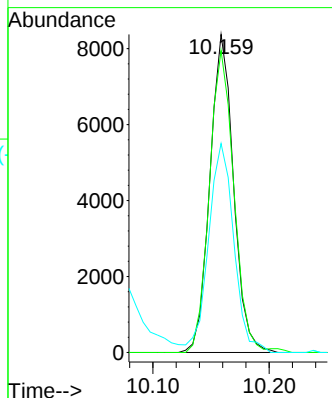
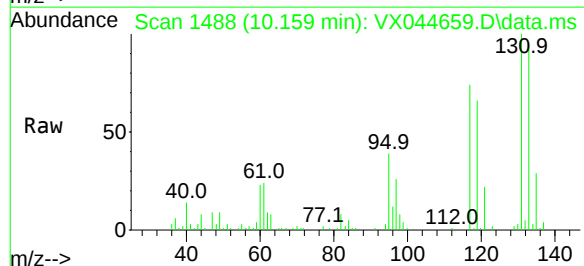
VSTDIC005

Tgt Ion:	131	Resp:	11815
Ion Ratio	Lower	Upper	
131	100		
133	97.8	0.0	192.4
119	70.0	0.0	133.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#66

Ethyl Benzene

Concen: 5.133 ug/l

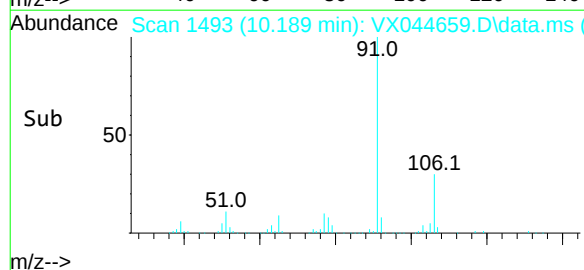
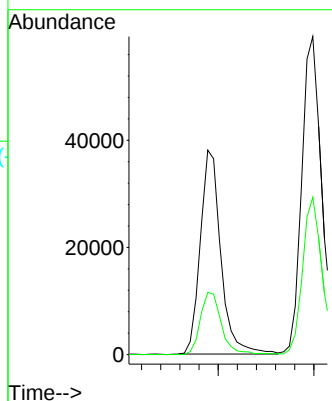
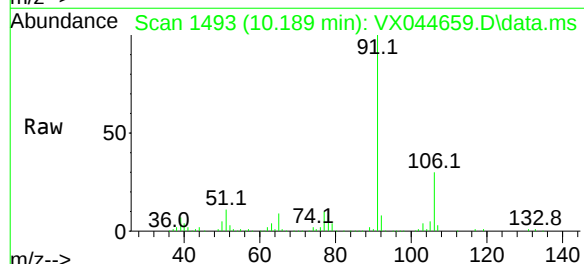
RT: 10.189 min Scan# 1493

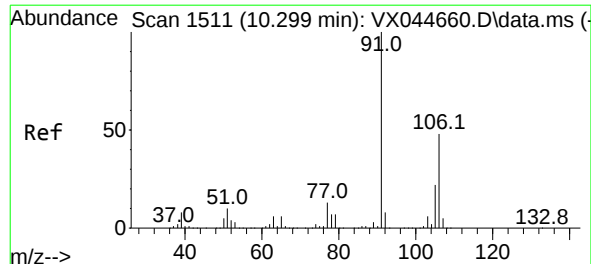
Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Tgt Ion:	91	Resp:	56887
Ion Ratio	Lower	Upper	
91	100		
106	30.5	24.0	36.0





#67

m/p-Xylenes

Concen: 10.581 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 43104

Ion Ratio Lower Upper

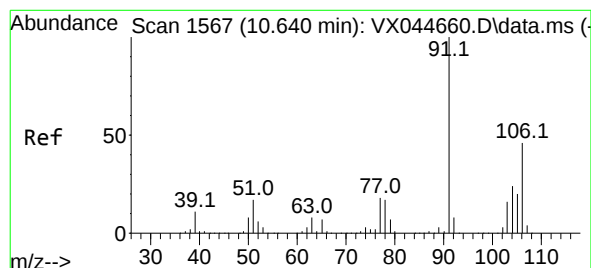
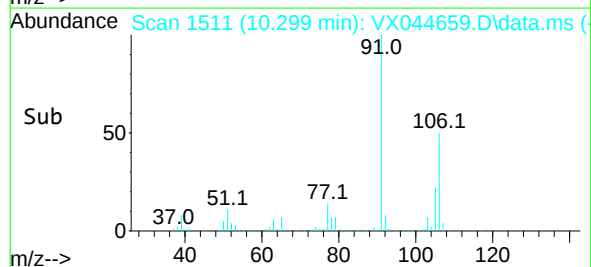
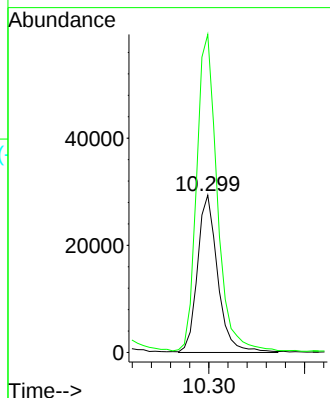
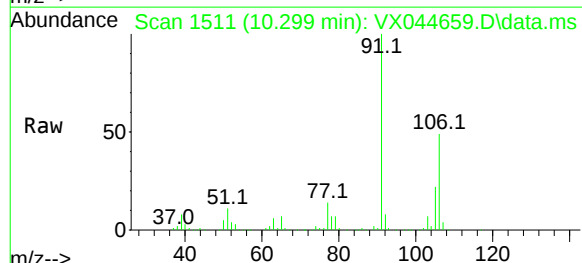
106 100

91 207.4 166.8 250.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#68

o-Xylene

Concen: 5.286 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044659.D

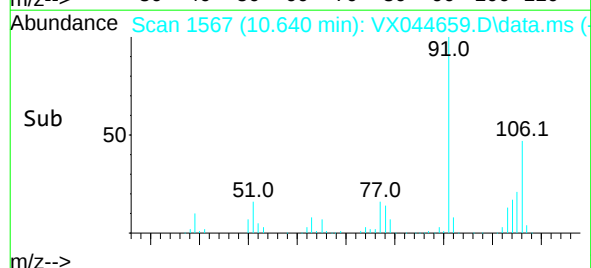
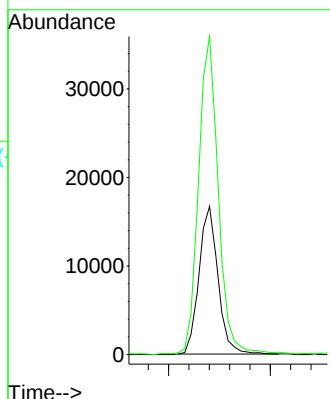
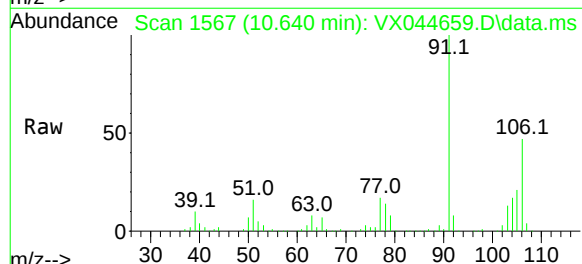
Acq: 16 Jan 2025 08:39

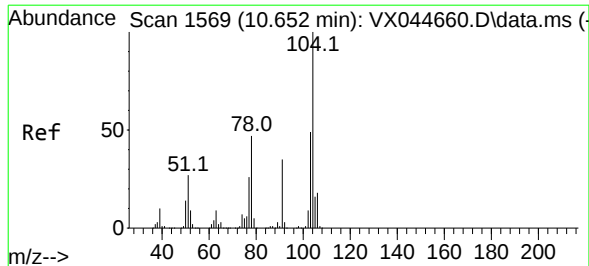
Tgt Ion:106 Resp: 21611

Ion Ratio Lower Upper

106 100

91 221.3 109.7 329.1





#69

Styrene

Concen: 5.217 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:104 Resp: 35022

Ion Ratio Lower Upper

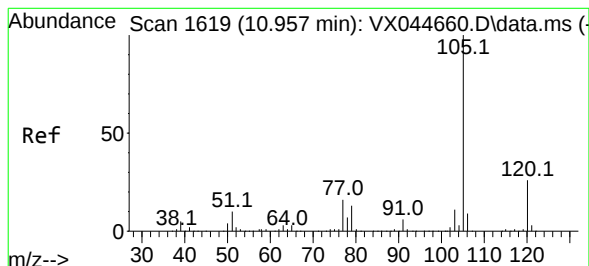
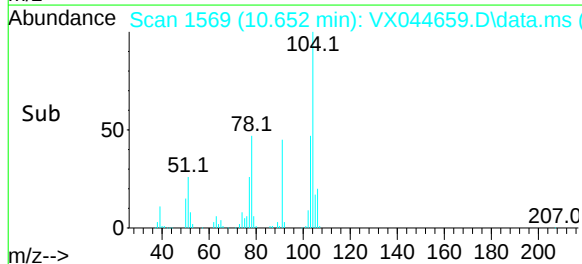
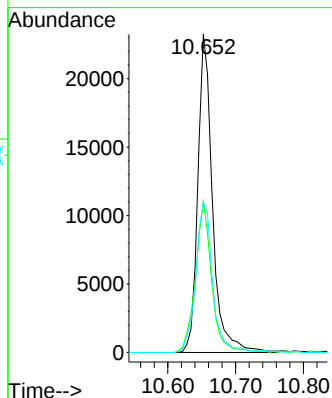
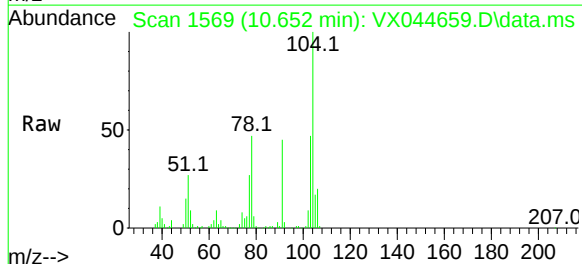
104 100

78 52.2 42.0 63.0

103 53.3 43.1 64.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#70

Isopropylbenzene

Concen: 5.349 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX044659.D

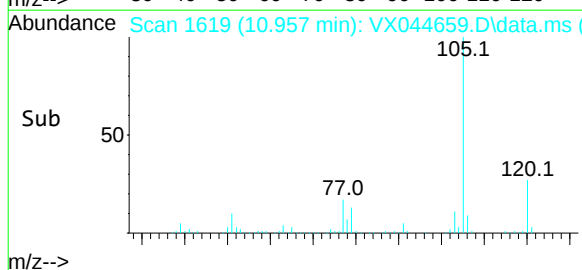
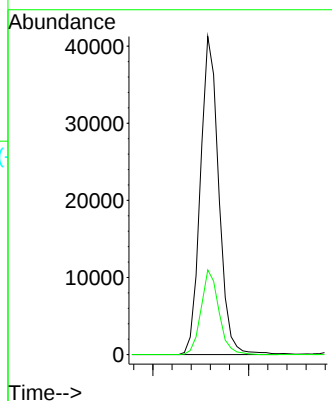
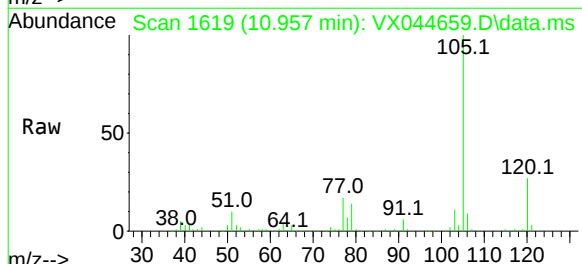
Acq: 16 Jan 2025 08:39

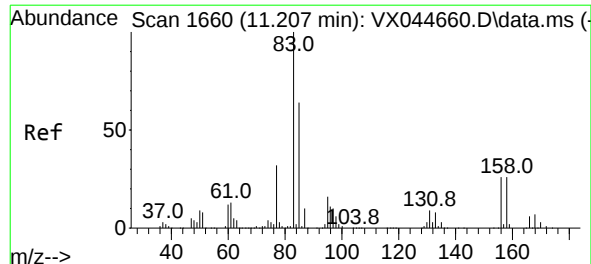
Tgt Ion:105 Resp: 54978

Ion Ratio Lower Upper

105 100

120 25.8 18.6 34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 5.562 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

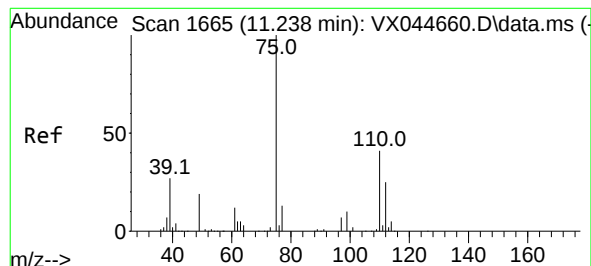
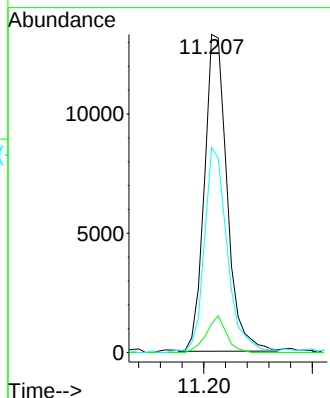
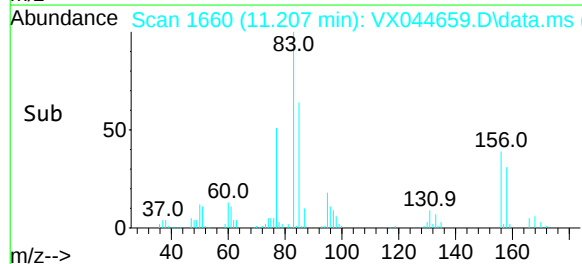
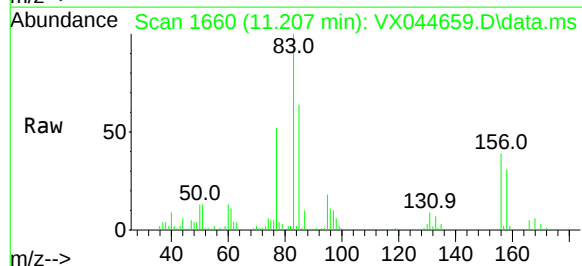
VSTDIC005

Tgt Ion:	83	Resp:	19252
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	14.9
85	65.5	33.0	99.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#72

1,2,3-Trichloropropane

Concen: 5.249 ug/l m

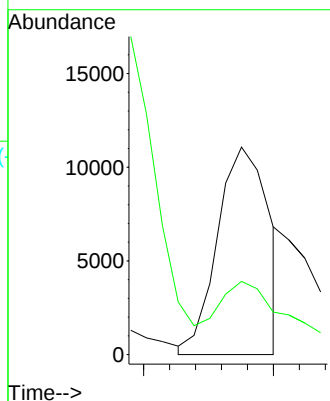
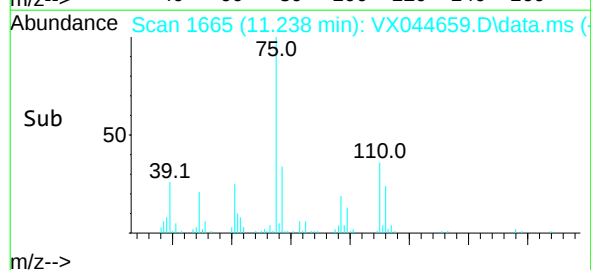
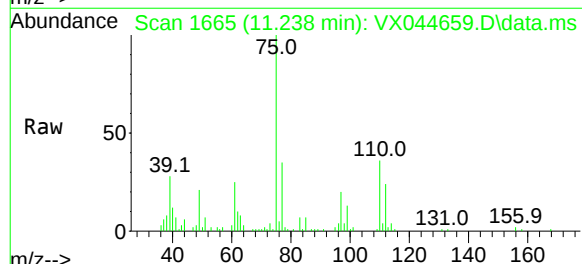
RT: 11.238 min Scan# 1665

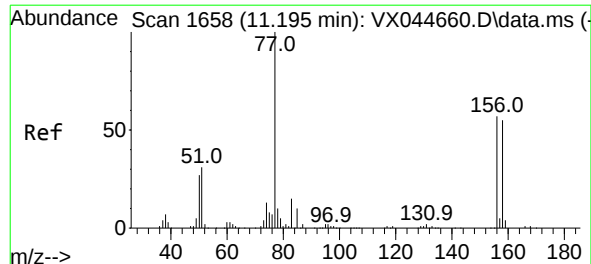
Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Tgt Ion:	75	Resp:	15260
Ion	Ratio	Lower	Upper
75	100		
77	42.1	0.0	83.0





#73

Bromobenzene

Concen: 5.237 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:156 Resp: 12540

Ion Ratio Lower Upper

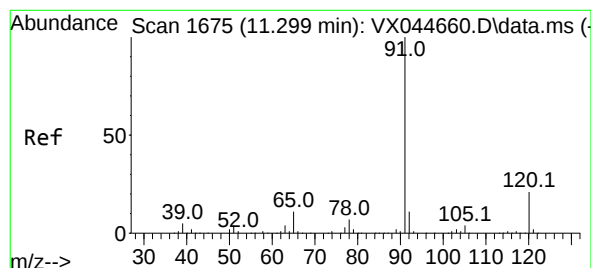
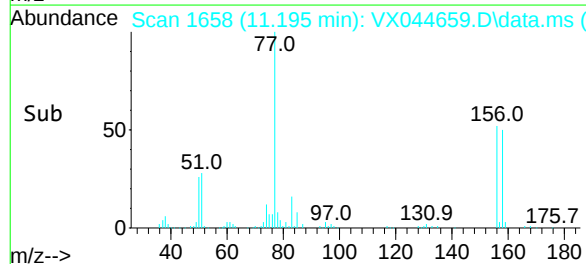
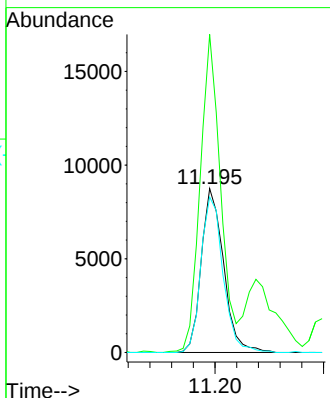
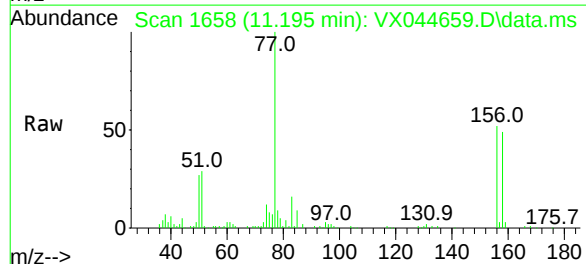
156 100

77 175.5 0.0 354.6

158 94.3 0.0 193.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#74

n-propylbenzene

Concen: 5.082 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VX044659.D

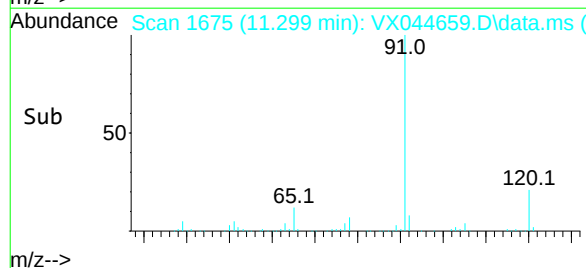
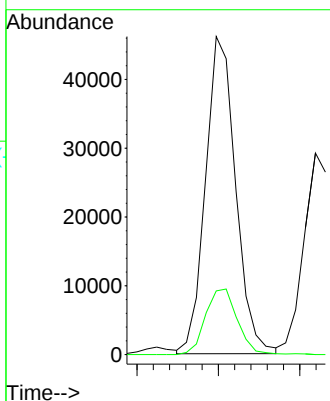
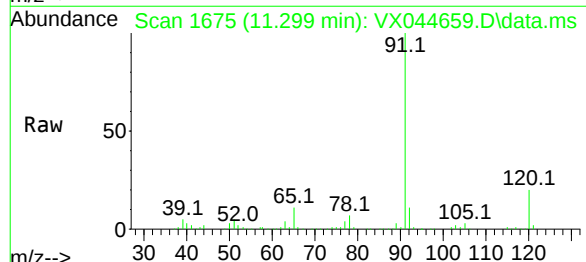
Acq: 16 Jan 2025 08:39

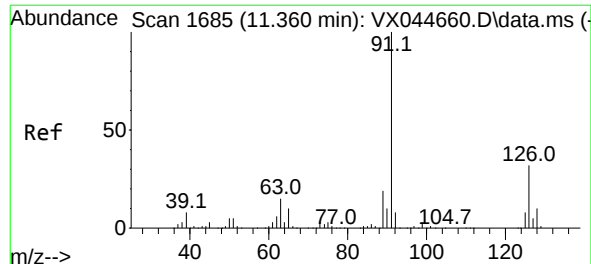
Tgt Ion: 91 Resp: 59373

Ion Ratio Lower Upper

91 100

120 21.9 0.0 45.0





#75

2-Chlorotoluene

Concen: 5.300 ug/l

RT: 11.360 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 91 Resp: 38923

Ion Ratio Lower Upper

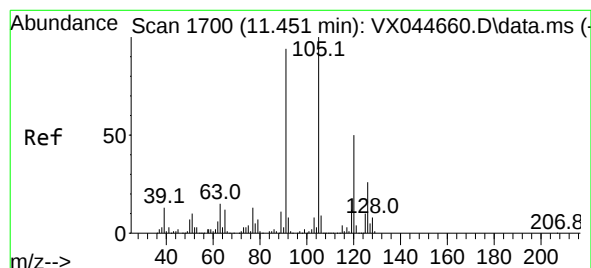
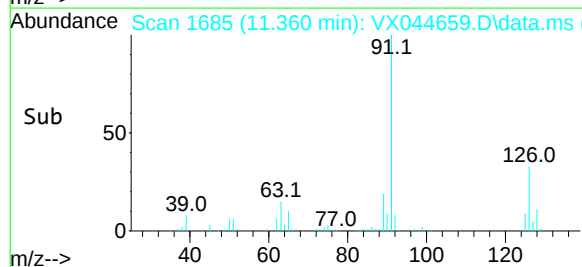
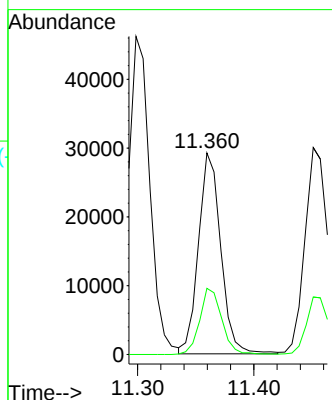
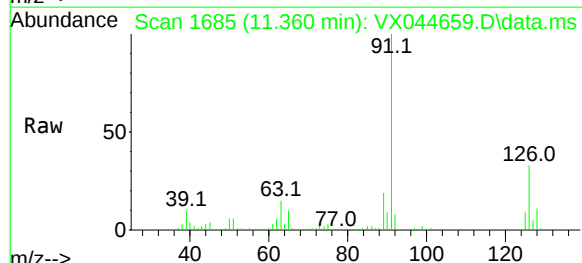
91 100

126 32.7 0.0 64.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#76

1,3,5-Trimethylbenzene

Concen: 5.369 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044659.D

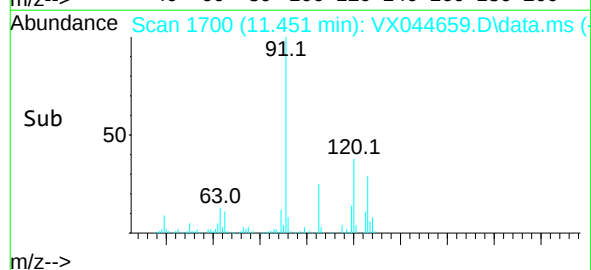
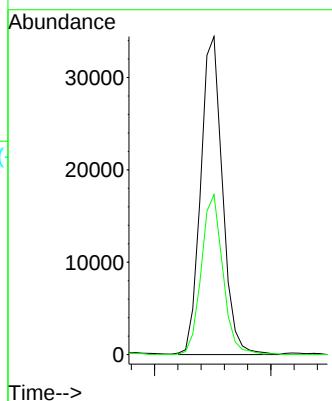
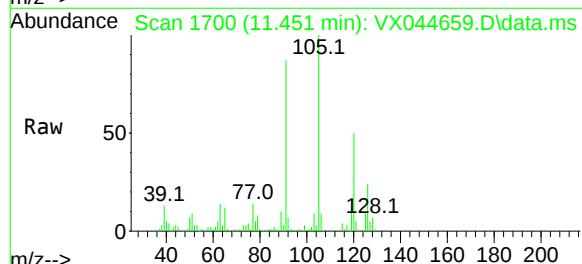
Acq: 16 Jan 2025 08:39

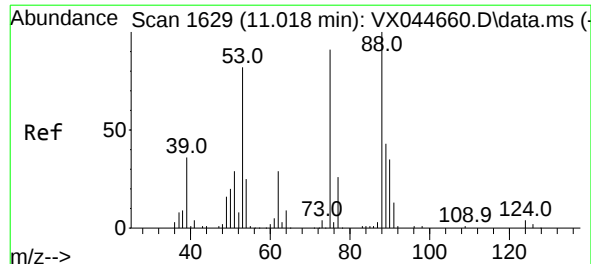
Tgt Ion:105 Resp: 44812

Ion Ratio Lower Upper

105 100

120 49.6 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 5.290 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

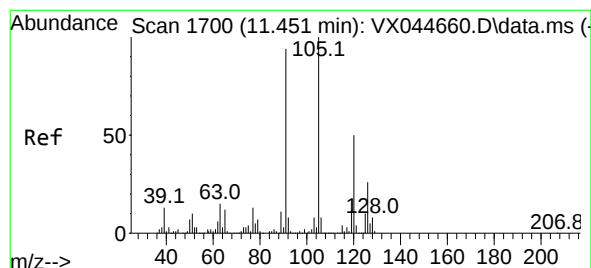
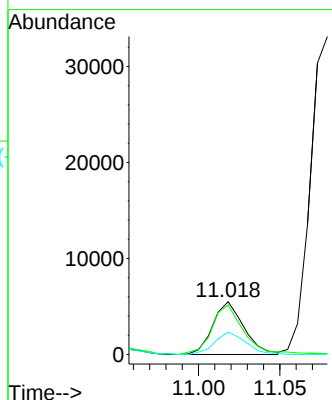
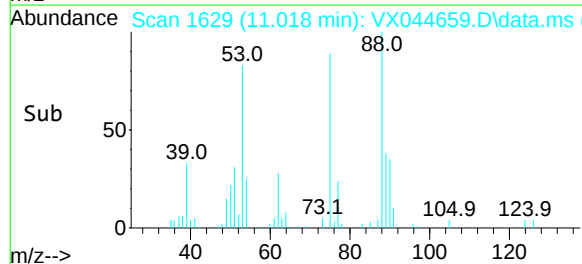
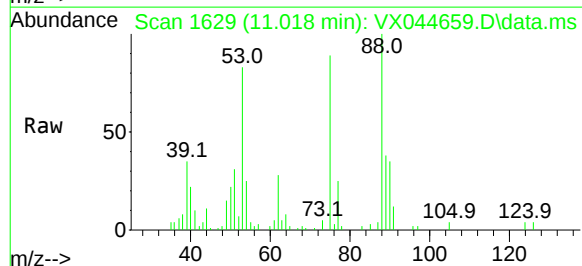
ClientSampleId :

VSTDICC005

Tgt Ion:	75	Resp:	7275
Ion	Ratio	Lower	Upper
75	100		
53	93.8	45.3	135.9
89	42.5	23.8	71.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#78

4-Chlorotoluene

Concen: 5.261 ug/l

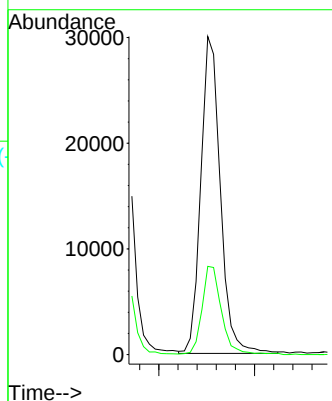
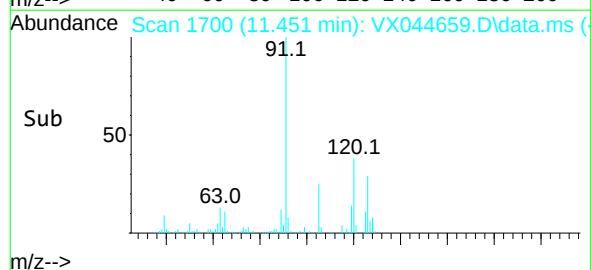
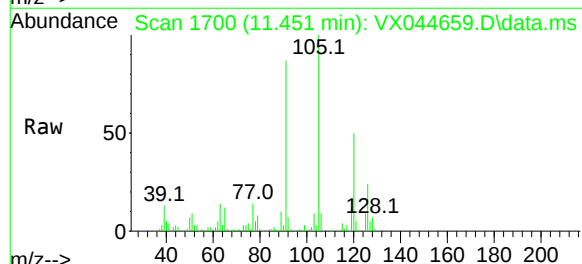
RT: 11.451 min Scan# 1700

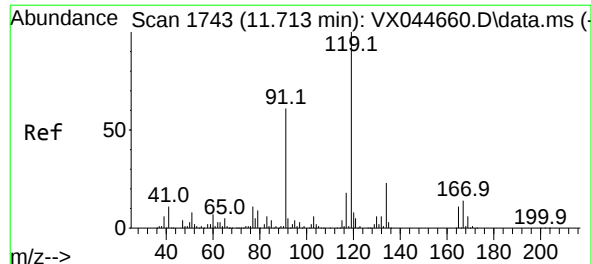
Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Tgt Ion:	91	Resp:	42547
Ion	Ratio	Lower	Upper
91	100		
126	27.5	0.0	55.4





#79

tert-butylbenzene

Concen: 5.441 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:119 Resp: 46656

Ion Ratio Lower Upper

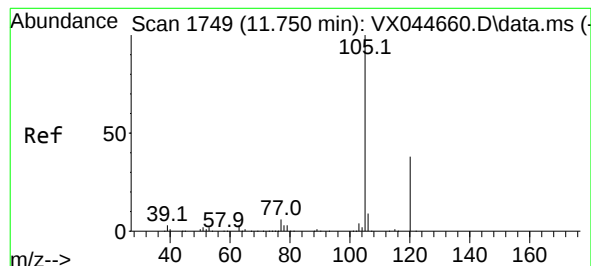
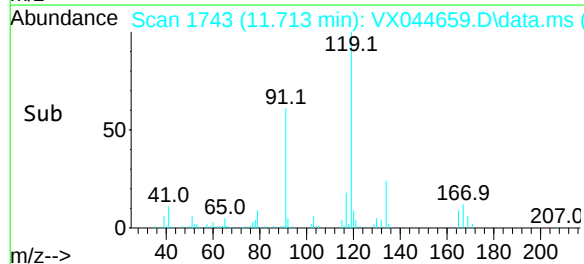
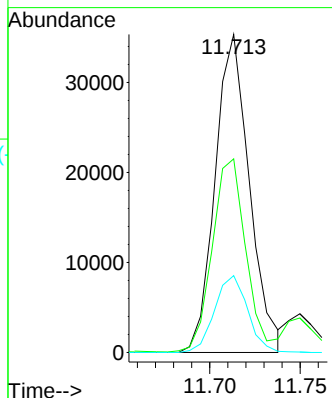
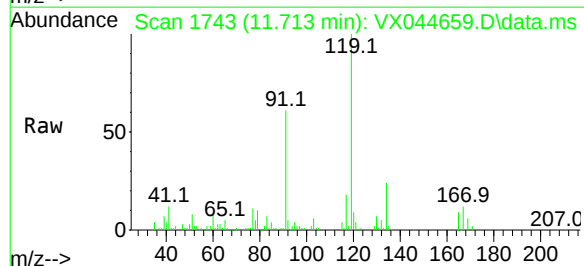
119 100

91 58.5 0.0 119.0

134 23.2 0.0 44.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#80

1,2,4-Trimethylbenzene

Concen: 5.334 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044659.D

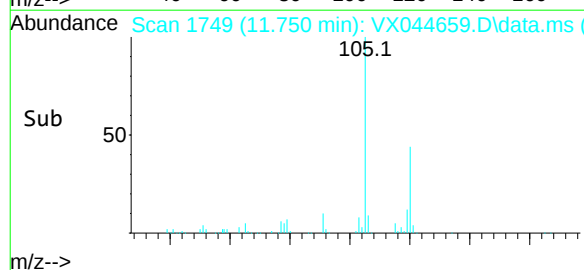
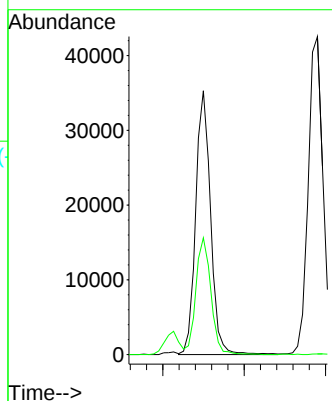
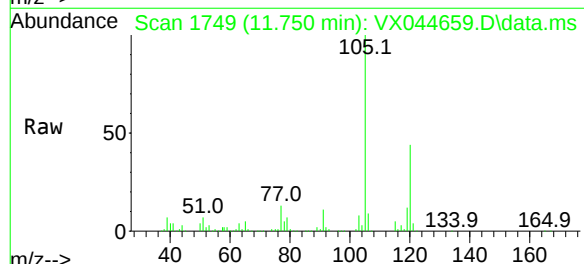
Acq: 16 Jan 2025 08:39

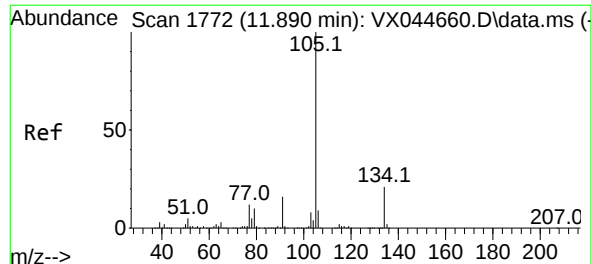
Tgt Ion:105 Resp: 44923

Ion Ratio Lower Upper

105 100

120 44.7 0.0 88.4





#81

sec-Butylbenzene

Concen: 5.272 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 53980

Ion Ratio Lower Upper

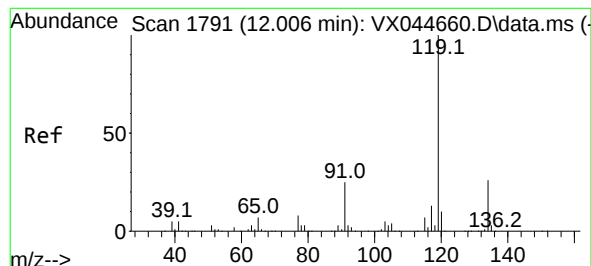
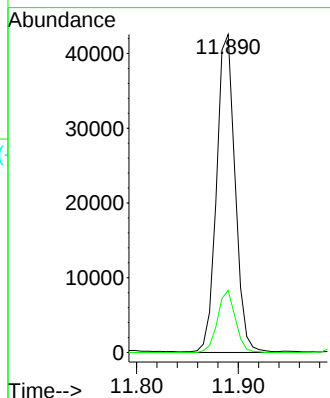
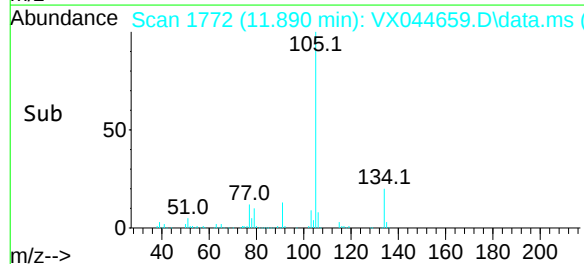
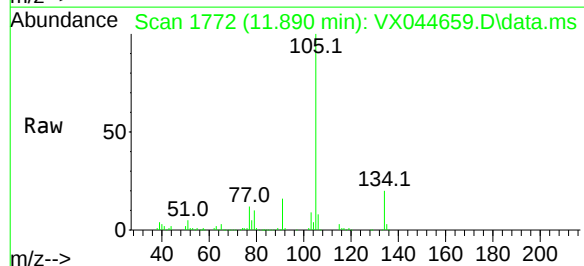
105 100

134 18.8 0.0 39.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#82

p-Isopropyltoluene

Concen: 5.187 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

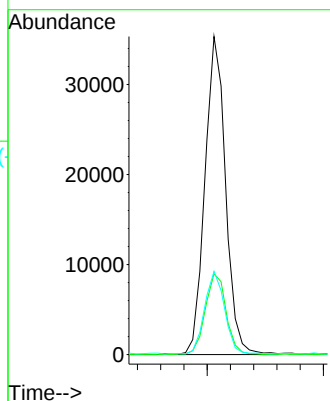
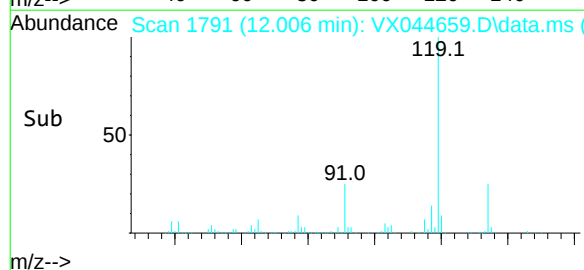
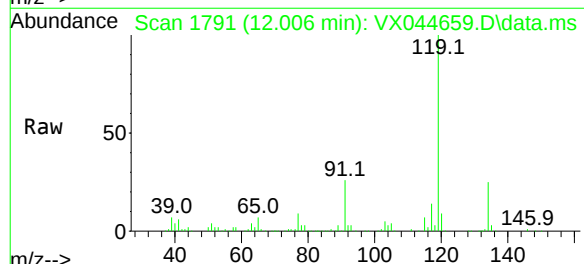
Tgt Ion:119 Resp: 43716

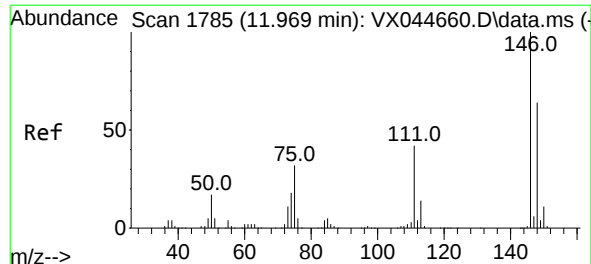
Ion Ratio Lower Upper

119 100

134 25.6 0.0 52.2

91 24.7 0.0 50.2





#83

1,3-Dichlorobenzene

Concen: 5.012 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

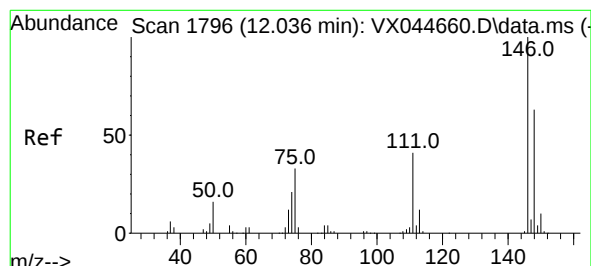
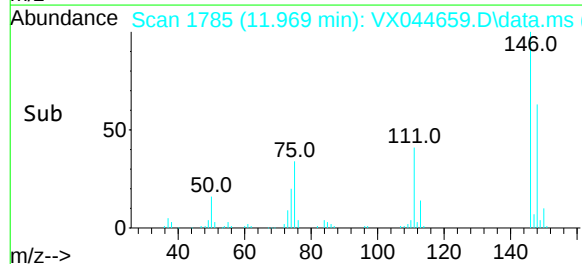
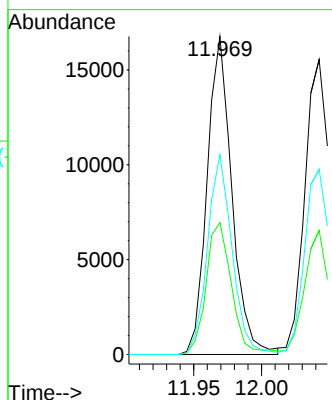
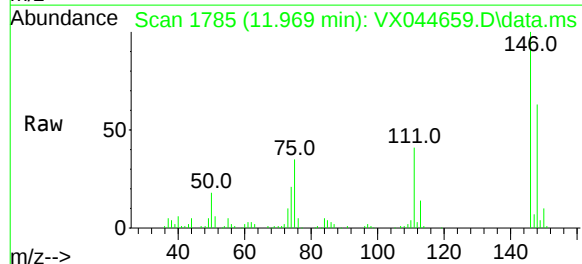
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	21317
Ion Ratio	Lower	Upper	
146	100		
111	42.0	21.6	64.6
148	62.4	31.6	94.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#84

1,4-Dichlorobenzene

Concen: 4.984 ug/l

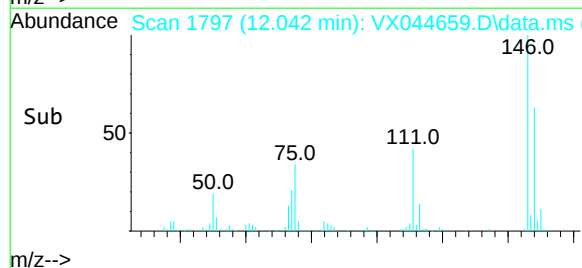
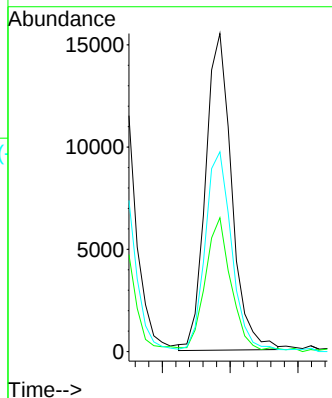
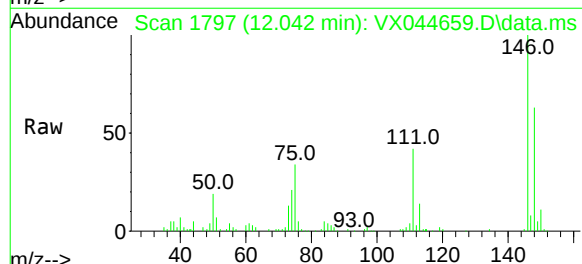
RT: 12.042 min Scan# 1797

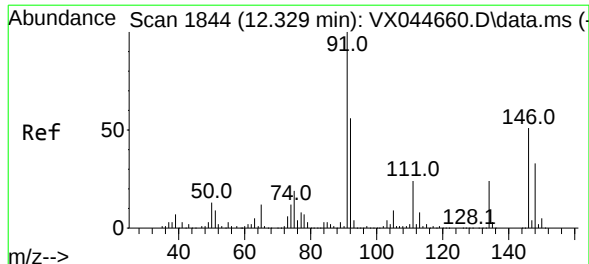
Delta R.T. 0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Tgt Ion:	146	Resp:	20782
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.8	62.5
148	64.6	32.1	96.5





#85

n-Butylbenzene

Concen: 4.797 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044659.D

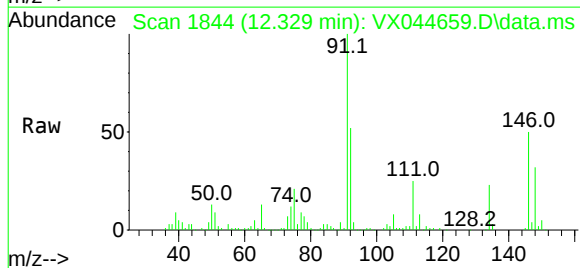
Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

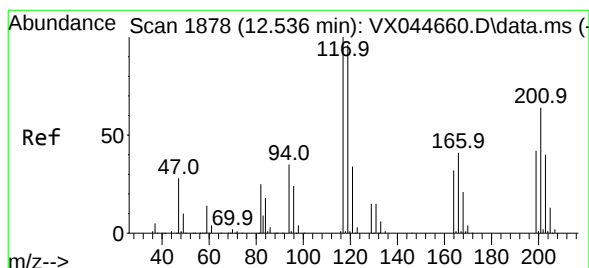
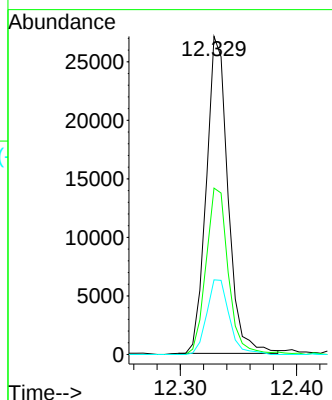
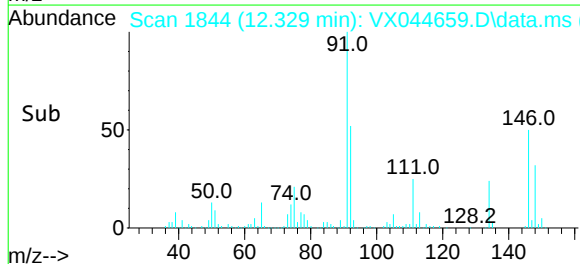
VSTDIC005



Tgt Ion:	91	Resp:	35040
Ion	Ratio	Lower	Upper
91	100		
92	53.8	0.0	109.4
134	24.5	0.0	49.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#86

Hexachloroethane

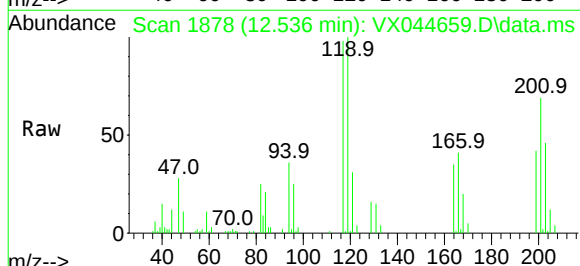
Concen: 5.481 ug/l

RT: 12.536 min Scan# 1878

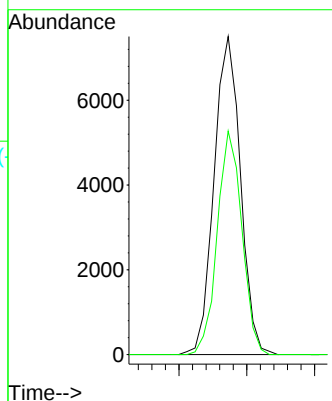
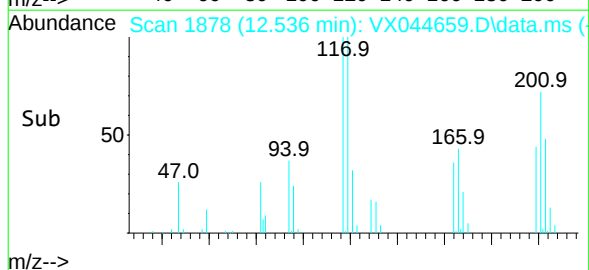
Delta R.T. -0.000 min

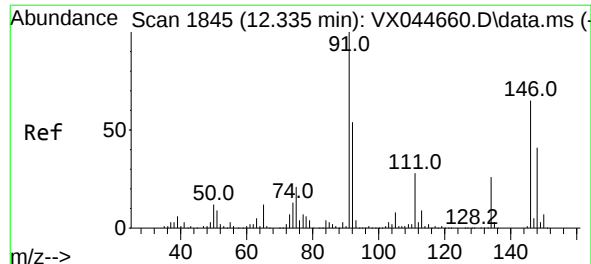
Lab File: VX044659.D

Acq: 16 Jan 2025 08:39



Tgt Ion:	117	Resp:	10162
Ion	Ratio	Lower	Upper
117	100		
201	65.5	33.0	98.9





#87

1,2-Dichlorobenzene

Concen: 5.286 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044659.D

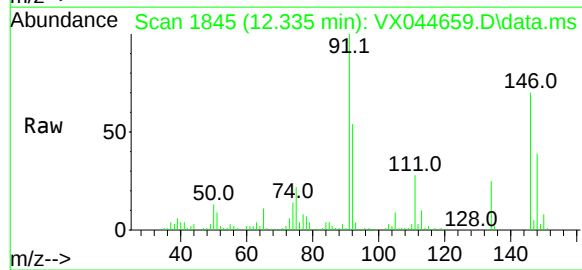
Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

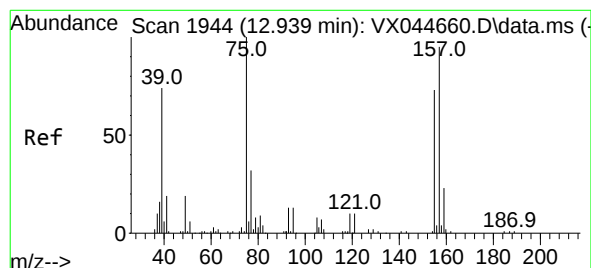
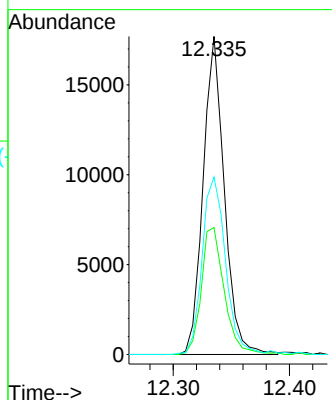
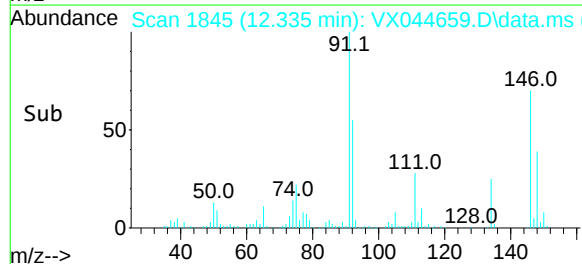
VSTDIC005



Tgt Ion:	146	Resp:	22448
Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.2	66.6
148	60.3	32.1	96.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#88

1,2-Dibromo-3-Chloropropane

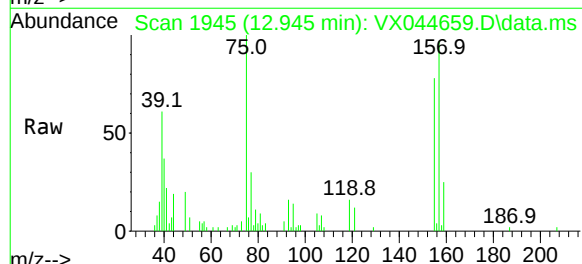
Concen: 5.705 ug/l

RT: 12.945 min Scan# 1945

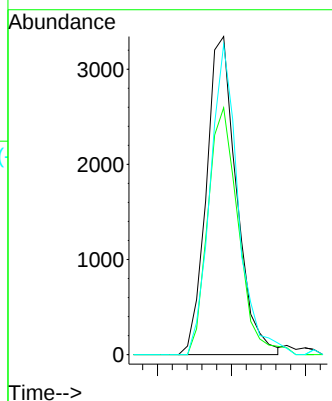
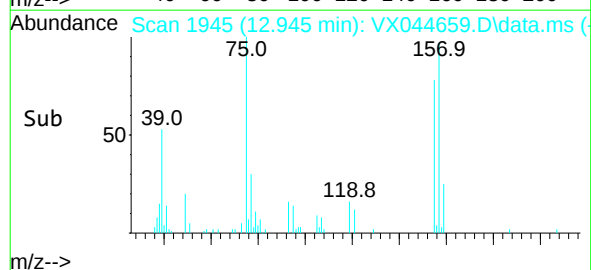
Delta R.T. 0.006 min

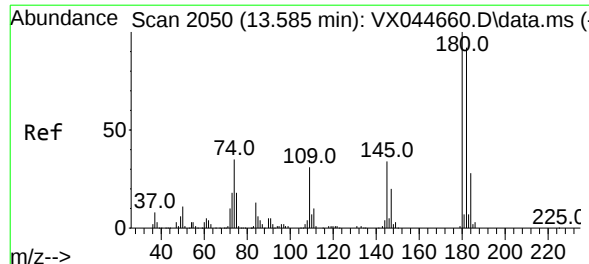
Lab File: VX044659.D

Acq: 16 Jan 2025 08:39



Tgt Ion:	75	Resp:	4748
Ion	Ratio	Lower	Upper
75	100		
155	78.0	62.3	93.5
157	90.7	79.9	119.9





#89

1,2,4-Trichlorobenzene

Concen: 4.642 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

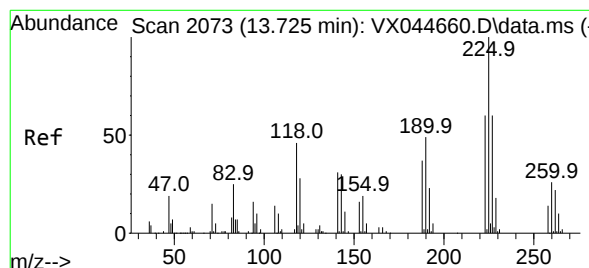
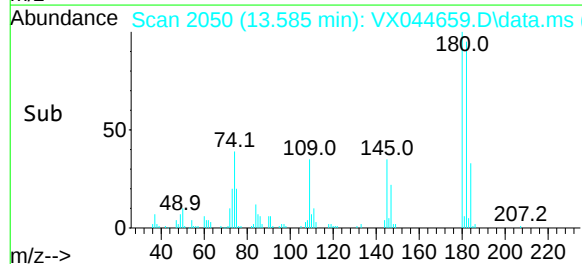
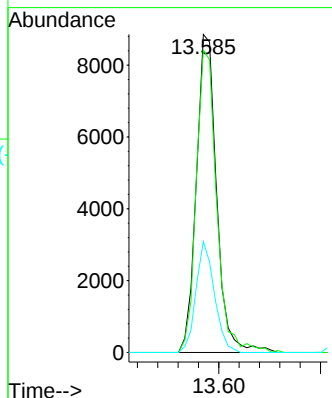
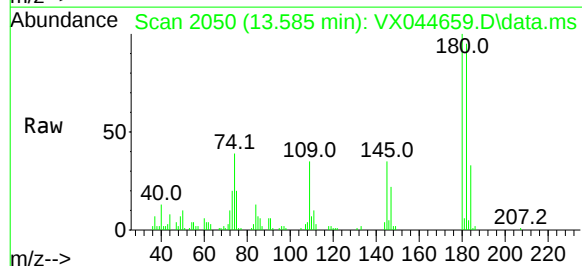
ClientSampleId :

VSTDIC005

Tgt	Ion:180	Resp:	12251
Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.6	113.4
145	31.8	26.6	40.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#90

Hexachlorobutadiene

Concen: 5.096 ug/l

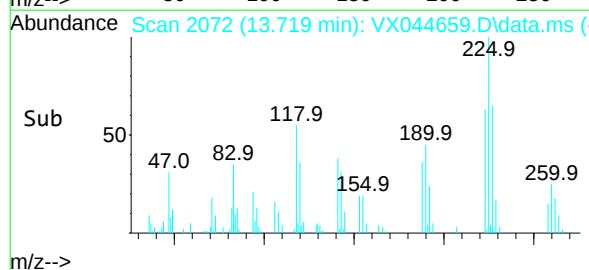
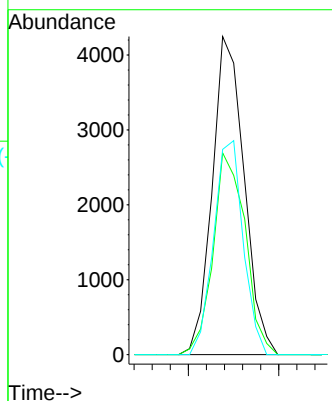
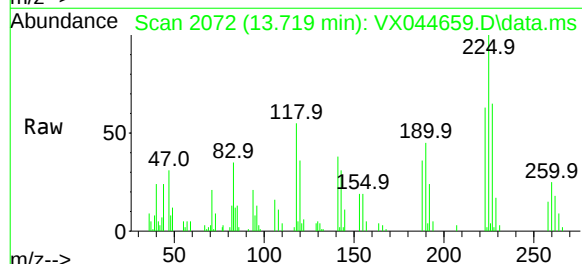
RT: 13.719 min Scan# 2072

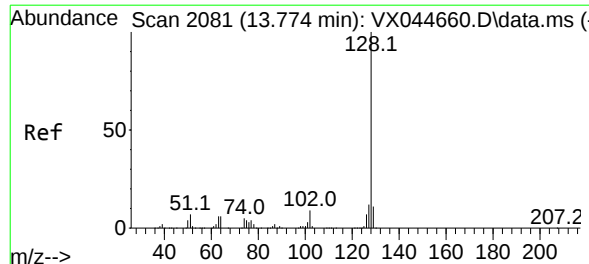
Delta R.T. -0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Tgt	Ion:225	Resp:	5203
Ion	Ratio	Lower	Upper
225	100		
223	63.9	0.0	123.0
227	62.3	0.0	124.2





#91

Naphthalene

Concen: 4.907 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:128 Resp: 48452

Ion Ratio Lower Upper

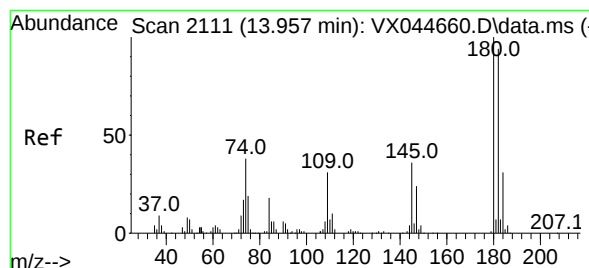
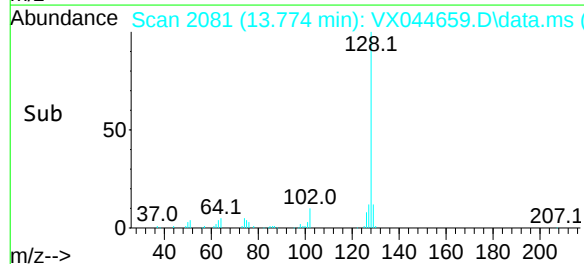
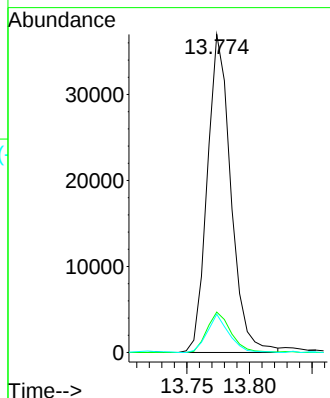
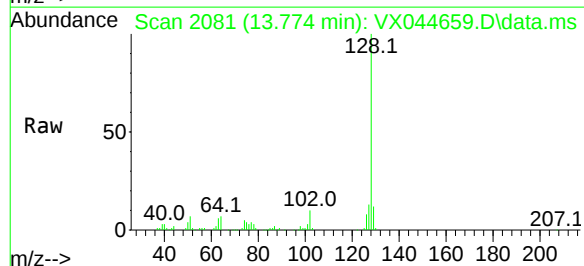
128 100

127 12.9 10.2 15.4

129 11.1 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#92

1,2,3-Trichlorobenzene

Concen: 4.708 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX044659.D

Acq: 16 Jan 2025 08:39

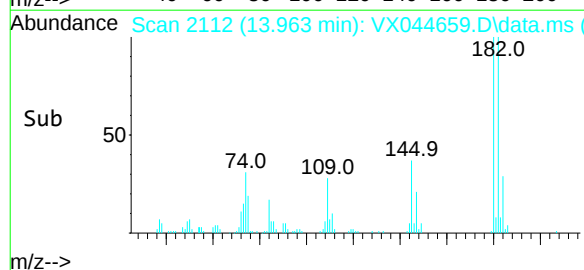
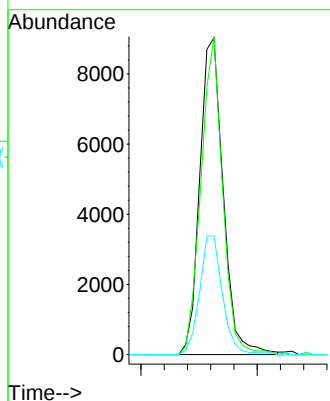
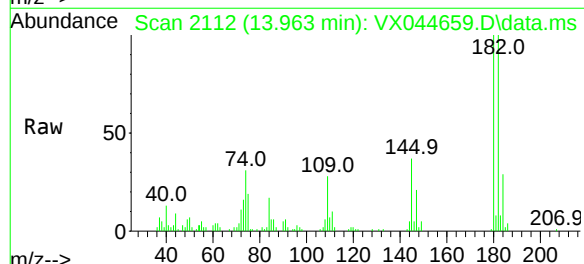
Tgt Ion:180 Resp: 12639

Ion Ratio Lower Upper

180 100

182 92.7 0.0 187.8

145 36.5 0.0 69.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044660.D
 Acq On : 16 Jan 2025 09:02
 Operator :
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:00:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 00:59:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	33434	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	183316	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	165841	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	95855	29.698	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.000%		
60) 4-Bromofluorobenzene	11.079	95	95915	29.776	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.267%		
63) Toluene-d8	8.641	98	268606	29.779	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.267%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	59011	21.978	ug/l	100
3) Chloromethane	1.301	50	64444	20.609	ug/l	100
4) Vinyl Chloride	1.374	62	61288	20.032	ug/l	100
5) Bromomethane	1.593	94	14449	19.557	ug/l	100
6) Chloroethane	1.666	64	9612	19.455	ug/l	100
7) Trichlorofluoromethane	1.867	101	66116	19.733	ug/l	100
8) Diethyl Ether	2.136	74	25682	19.869	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	46585	19.407	ug/l	100
10) 1,1-Dichloroethene	2.313	96	48300	19.557	ug/l	100
11) Methyl Iodide	2.447	142	69610	20.341	ug/l	100
12) Methyl Acetate	2.703	43	70020	19.421	ug/l	100
13) Acrolein	2.239	56	32834	82.358	ug/l	100
14) Acrylonitrile	3.062	53	133148	101.348	ug/l	100
15) Acetone	2.386	58	34632	98.240	ug/l	100
16) Carbon Disulfide	2.502	76	135960	19.810	ug/l	100
17) Allyl chloride	2.654	41	90204	20.254	ug/l	100
18) Methylene Chloride	2.782	84	56413	20.405	ug/l	100
19) trans-1,2-Dichloroethene	3.081	96	49084	19.989	ug/l	100
20) Diisopropyl ether	3.757	45	166654	20.616	ug/l	100
21) 1,1-Dichloroethane	3.605	63	96629	20.151	ug/l	100
22) cis-1,2-Dichloroethene	4.483	96	62694	20.628	ug/l	100
23) tert-Butyl Alcohol	2.977	59	65050m	114.131	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	174439	20.386	ug/l	100
25) Chloroform	5.086	83	97039	20.366	ug/l	100
26) Cyclohexane	5.458	56	79956	19.839	ug/l #	100
29) 1,1-Dichloropropene	5.684	75	63605	19.948	ug/l	100
30) 2-Butanone	4.556	43	180079	102.811	ug/l	100
31) 2,2-Dichloropropane	4.471	77	89122	20.198	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	85820	20.310	ug/l	100
33) Carbon Tetrachloride	5.666	117	71722	20.121	ug/l	100
34) Benzene	6.031	78	210959	20.737	ug/l	100
35) Methacrylonitrile	4.922	41	39575	20.216	ug/l	100
36) 1,2-Dichloroethane	6.080	62	75287	20.699	ug/l	100
37) Trichloroethene	7.123	130	49474	20.143	ug/l	100
38) Methylcyclohexane	7.373	83	84540	19.514	ug/l	100
39) 1,2-Dichloropropane	7.421	63	52299	20.616	ug/l	100
40) Dibromomethane	7.580	93	38410	20.366	ug/l	100
41) Bromodichloromethane	7.818	83	80017	20.548	ug/l	100
42) Vinyl Acetate	3.715	43	725170	104.251	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044660.D
 Acq On : 16 Jan 2025 09:02
 Operator :
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:00:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 00:59:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	72396m	21.071	ug/l	
44) Isopropyl Acetate	6.336	43	127474	20.652	ug/l	100
45) 1,4-Dioxane	7.677	88	25021	425.692	ug/l	100
46) Methyl methacrylate	7.690	41	62145	20.568	ug/l	100
47) n-amyl Acetate	10.841	43	110225	21.278	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	85014	20.683	ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	91440	20.747	ug/l	100
50) 1,1,2-Trichloroethane	9.147	97	51190	21.040	ug/l	100
51) Ethyl methacrylate	9.116	69	88025	20.861	ug/l	100
52) 1,3-Dichloropropane	9.305	76	87800	20.900	ug/l	100
53) Dibromochloromethane	9.519	129	61431	21.165	ug/l	100
54) 1,2-Dibromoethane	9.604	107	53825	20.963	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	214240	104.779	ug/l	100
56) Bromoform	10.799	173	39538	20.544	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	358614	102.588	ug/l	100
59) 2-Hexanone	9.433	43	261785	102.292	ug/l	100
61) Tetrachloroethene	9.269	164	38724	19.466	ug/l	100
62) Toluene	8.714	91	218070	19.970	ug/l	100
64) Chlorobenzene	10.073	112	136037	20.059	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	49228	20.207	ug/l	100
66) Ethyl Benzene	10.189	91	241177	20.238	ug/l	100
67) m/p-Xylenes	10.299	106	180626	41.233	ug/l	100
68) o-Xylene	10.640	106	90982	20.694	ug/l	100
69) Styrene	10.652	104	150095	20.793	ug/l	100
70) Isopropylbenzene	10.957	105	226317	20.476	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	75650	20.326	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	64385m	20.597	ug/l	
73) Bromobenzene	11.195	156	52618	20.435	ug/l	100
74) n-propylbenzene	11.299	91	255513	20.339	ug/l	100
75) 2-Chlorotoluene	11.360	91	162457	20.573	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	185378	20.653	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	29516	19.959	ug/l	100
78) 4-Chlorotoluene	11.451	91	177891	20.455	ug/l	100
79) tert-butylbenzene	11.713	119	191290	20.745	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	186763	20.623	ug/l	100
81) sec-Butylbenzene	11.890	105	224992	20.434	ug/l	100
82) p-Isopropyltoluene	12.006	119	186107	20.537	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	92976	20.330	ug/l	100
84) 1,4-Dichlorobenzene	12.036	146	92092	20.540	ug/l	100
85) n-Butylbenzene	12.329	91	156896	19.973	ug/l	100
86) Hexachloroethane	12.536	117	39754	19.941	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	94144	20.614	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.939	75	17538	19.597	ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	54885	19.338	ug/l	100
90) Hexachlorobutadiene	13.725	225	21996	20.036	ug/l	100
91) Naphthalene	13.774	128	214309	20.183	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	58101	20.127	ug/l	100

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

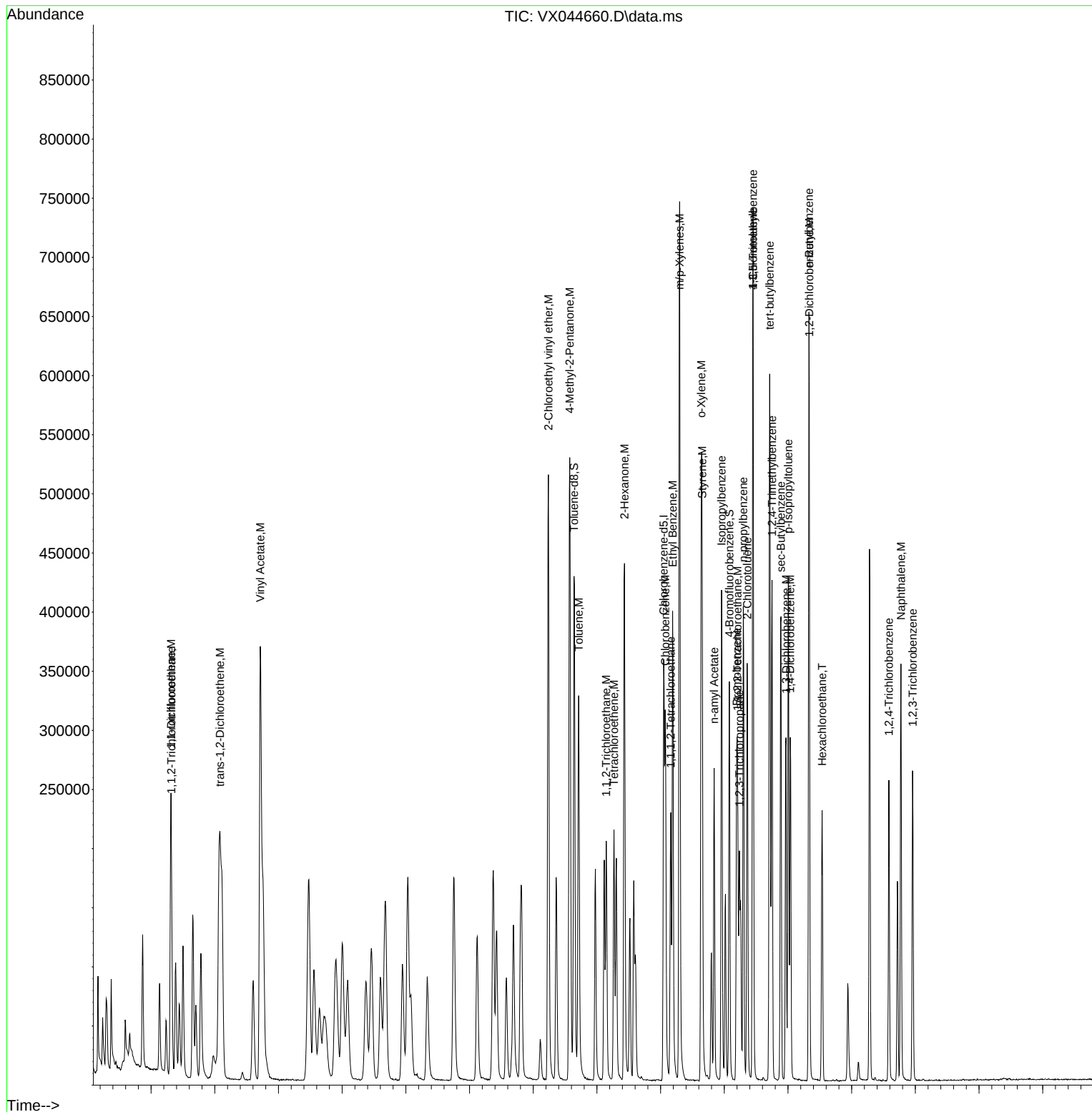
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Data File : VX044660.D
Acq On : 16 Jan 2025 09:02
Operator :
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

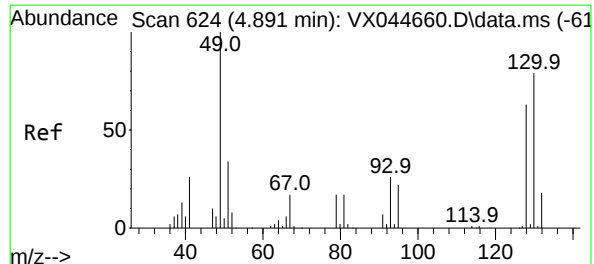
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:00:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.891 min Scan# 62

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:128 Resp: 33434

Ion Ratio Lower Upper

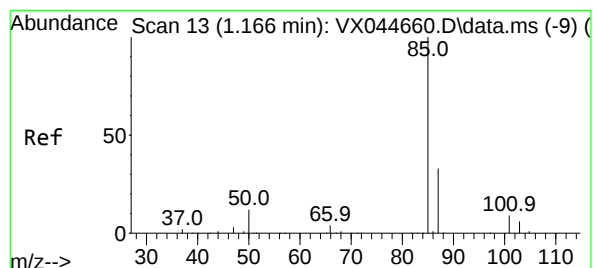
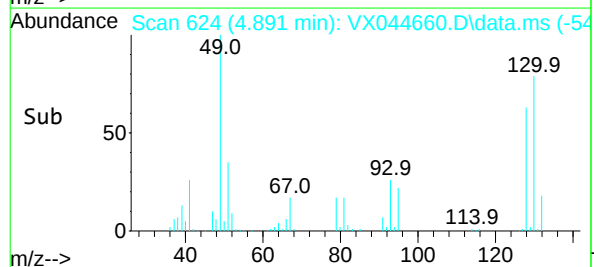
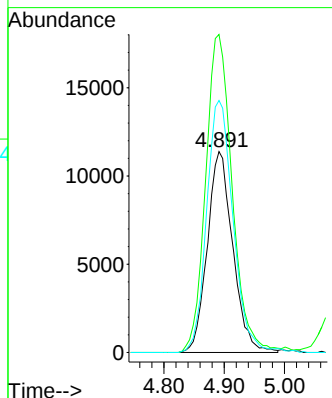
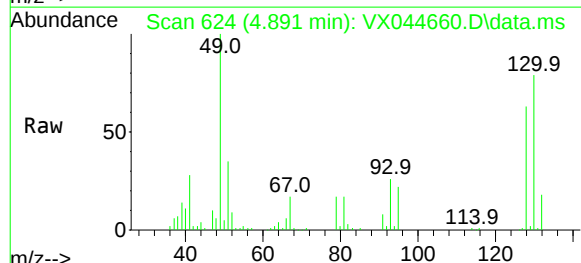
128 100

49 164.6 0.0 411.5

130 129.7 0.0 324.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#2

Dichlorodifluoromethane

Concen: 21.978 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX044660.D

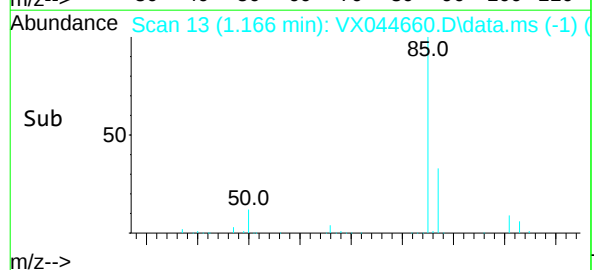
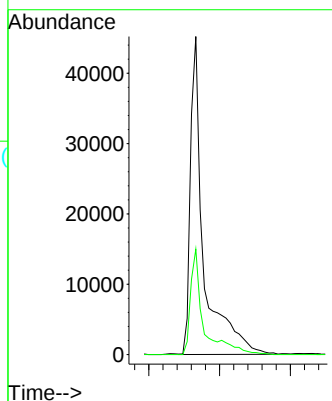
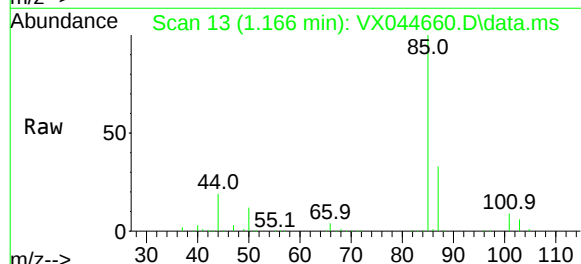
Acq: 16 Jan 2025 09:02

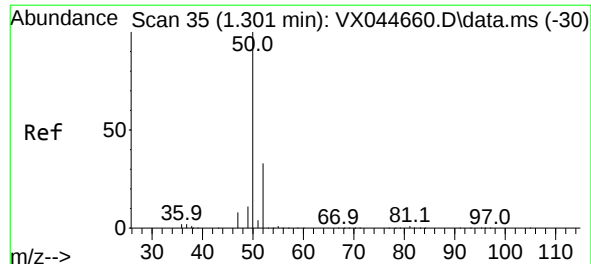
Tgt Ion: 85 Resp: 59011

Ion Ratio Lower Upper

85 100

87 33.2 16.6 49.8





#3

Chloromethane

Concen: 20.609 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 50 Resp: 64444

Ion Ratio Lower Upper

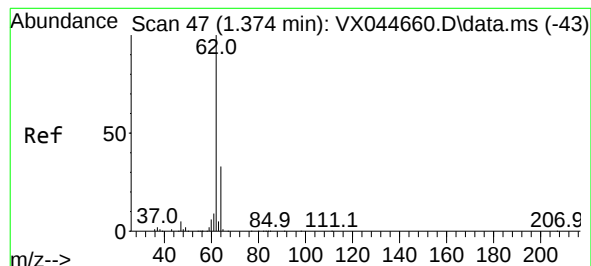
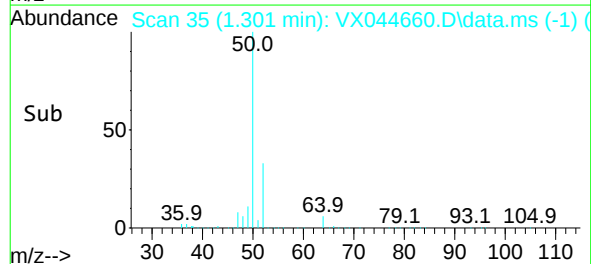
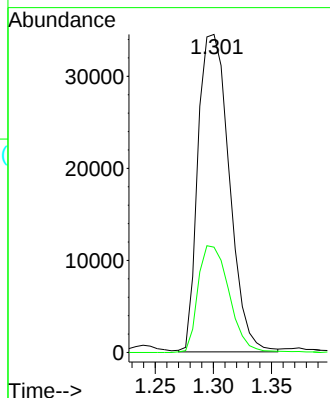
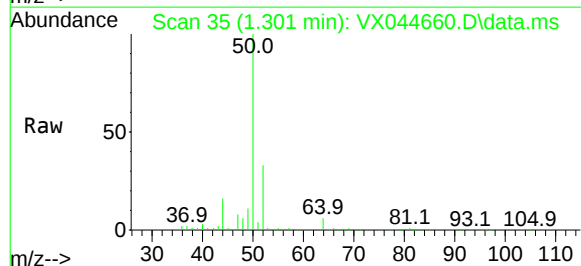
50 100

52 33.1 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#4

Vinyl Chloride

Concen: 20.032 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX044660.D

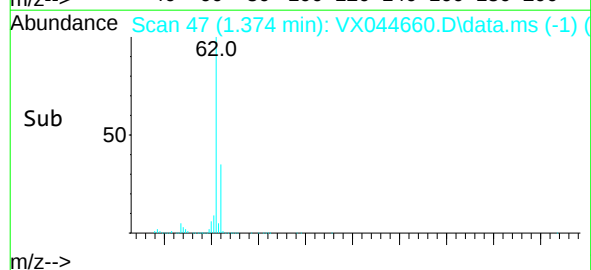
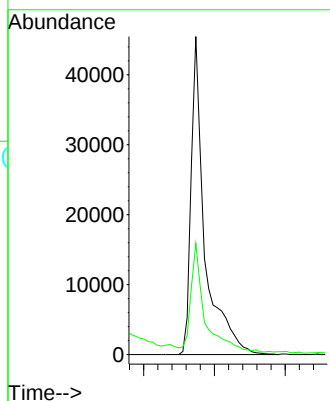
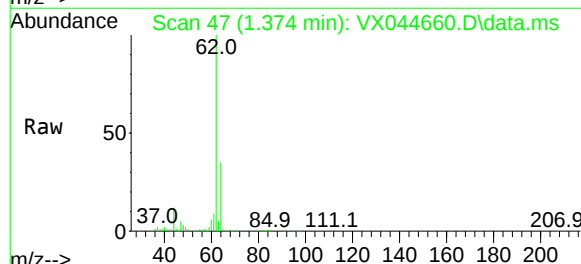
Acq: 16 Jan 2025 09:02

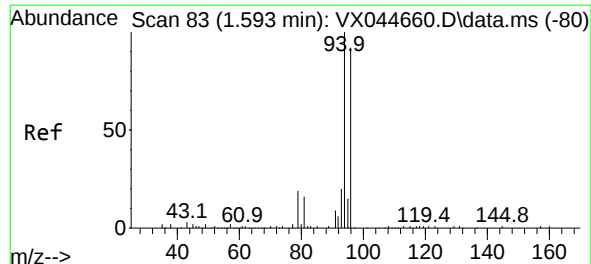
Tgt Ion: 62 Resp: 61288

Ion Ratio Lower Upper

62 100

64 34.1 27.3 40.9





#5

Bromomethane

Concen: 19.557 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 94 Resp: 14449

Ion Ratio Lower Upper

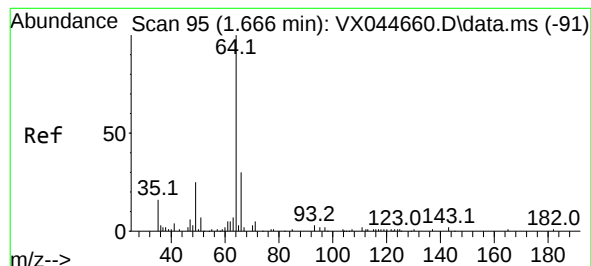
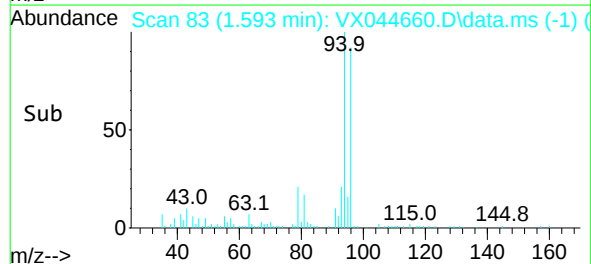
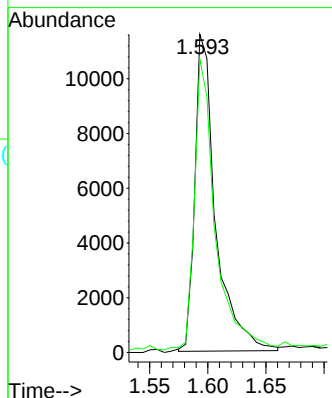
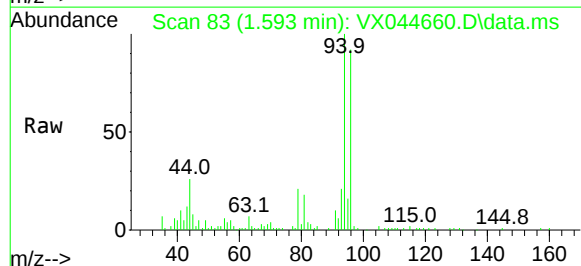
94 100

96 91.6 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#6

Chloroethane

Concen: 19.455 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.000 min

Lab File: VX044660.D

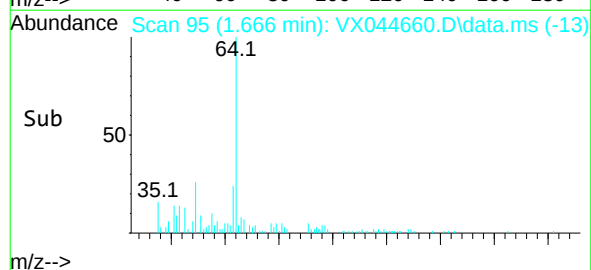
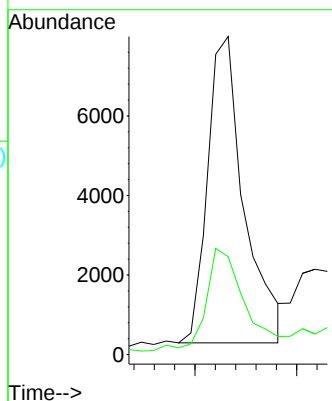
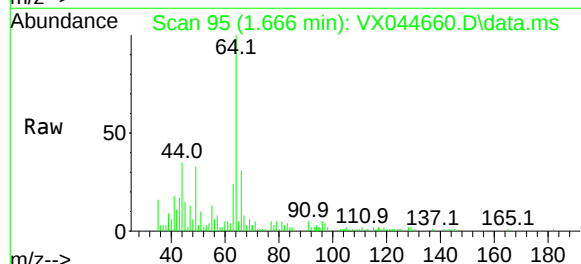
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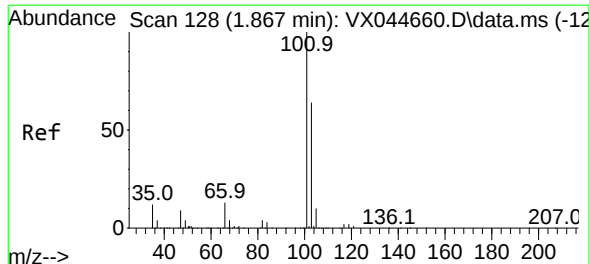
Tgt Ion: 64 Resp: 9612

Ion Ratio Lower Upper

64 100

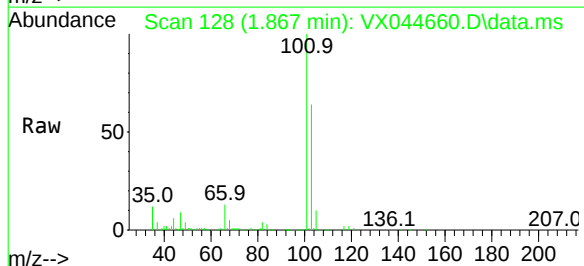
66 29.7 23.8 35.6





#7
Trichlorofluoromethane
Concen: 19.733 ug/l
RT: 1.867 min Scan# 128
Delta R.T. 0.000 min
Lab File: VX044660.D
Acq: 16 Jan 2025 09:02

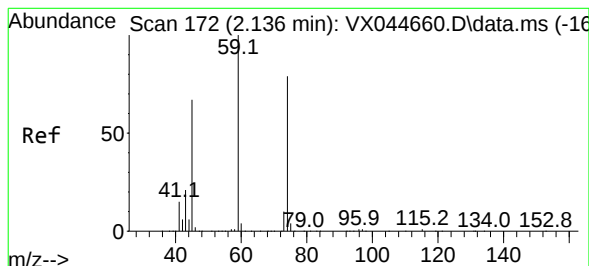
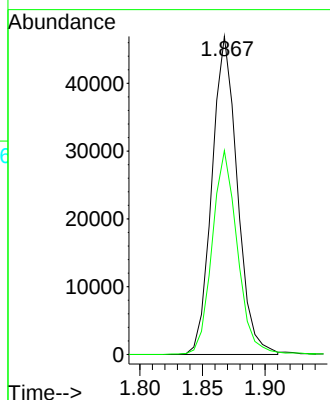
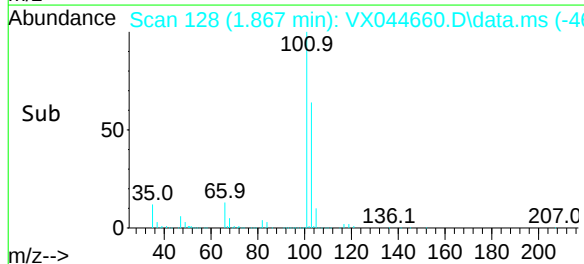
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020



Tgt Ion: 101 Resp: 66116
Ion Ratio Lower Upper
101 100
103 63.9 51.1 76.7

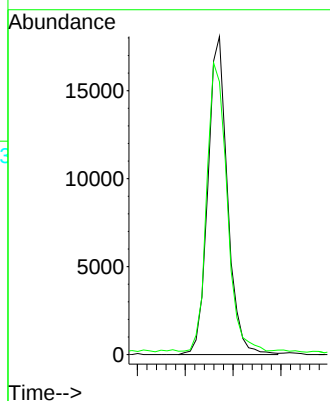
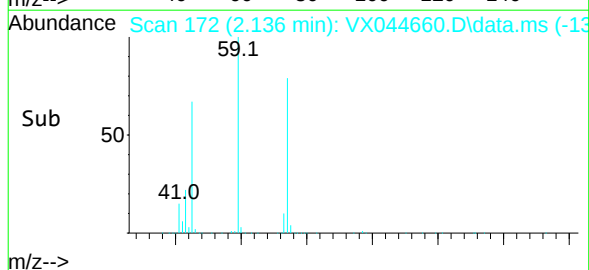
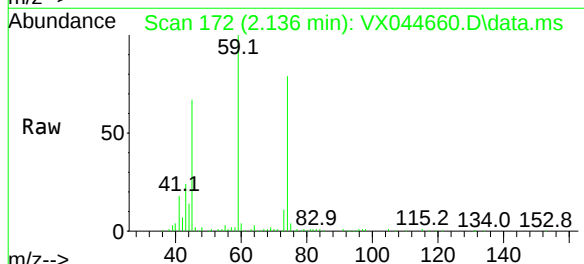
Manual Integrations
APPROVED

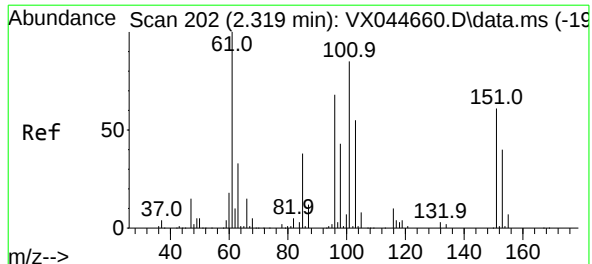
Reviewed By : Mahesh Dadoda 01/17/2025
Supervised By : Semsettin Yesilyurt 01/17/2025



#8
Diethyl Ether
Concen: 19.869 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044660.D
Acq: 16 Jan 2025 09:02

Tgt Ion: 74 Resp: 25682
Ion Ratio Lower Upper
74 100
45 94.1 18.8 168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.407 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

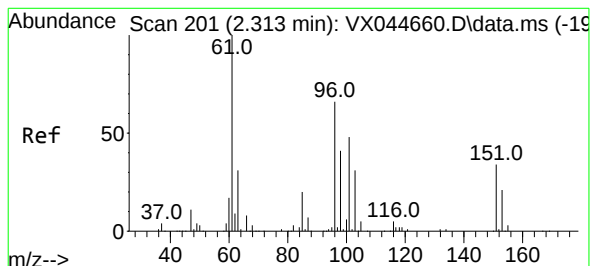
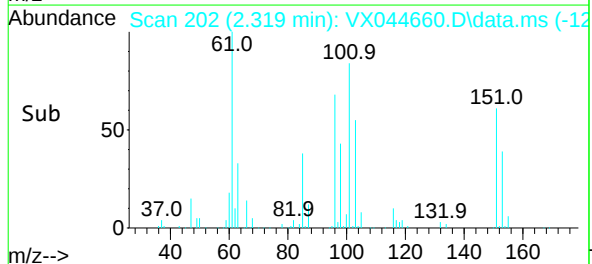
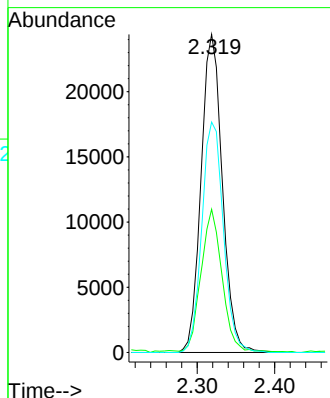
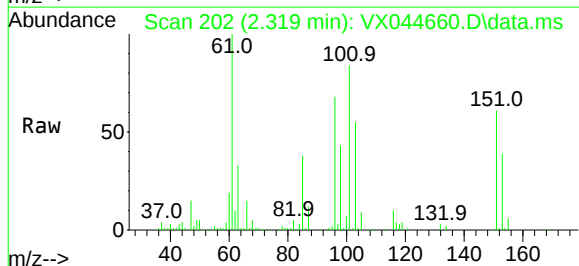
VSTDICCC020

Tgt Ion:	101	Resp:	46585
Ion	Ratio	Lower	Upper
101	100		
85	44.0	0.0	88.0
151	73.5	0.0	147.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#10

1,1-Dichloroethene

Concen: 19.557 ug/l

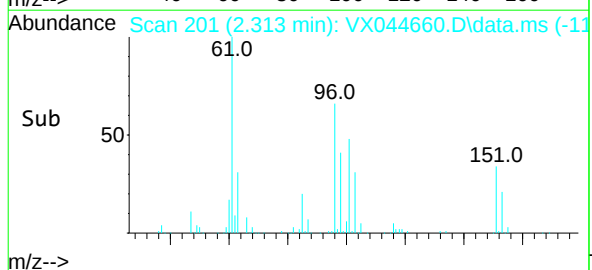
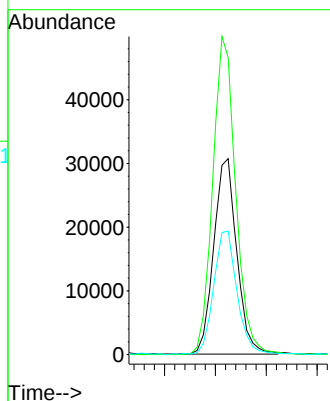
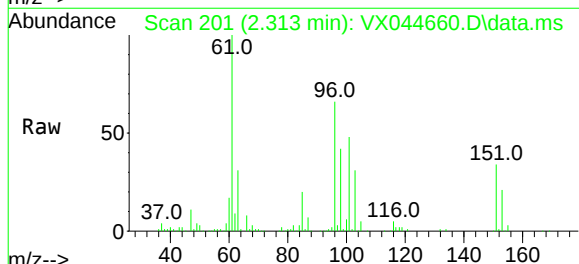
RT: 2.313 min Scan# 201

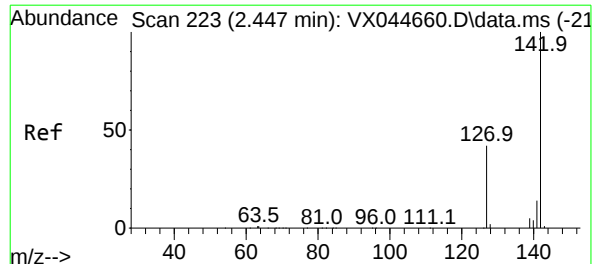
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	96	Resp:	48300
Ion	Ratio	Lower	Upper
96	100		
61	152.0	121.6	182.4
98	62.9	50.3	75.5





#11

Methyl Iodide

Concen: 20.341 ug/l

RT: 2.447 min Scan# 223

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

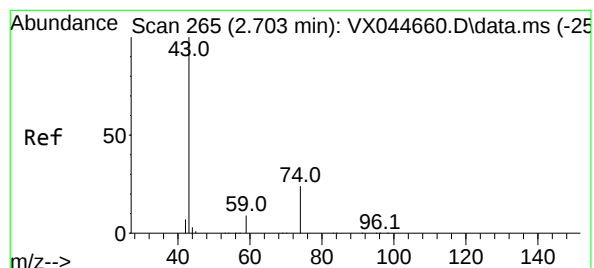
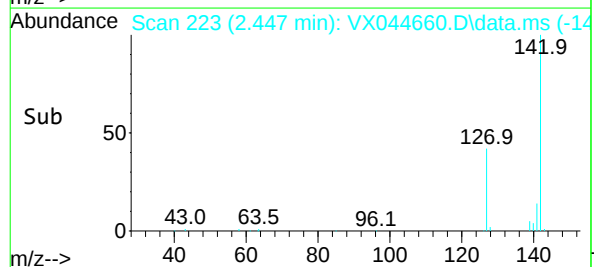
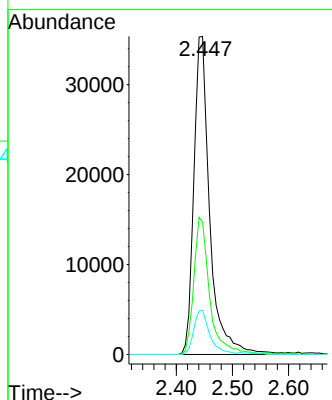
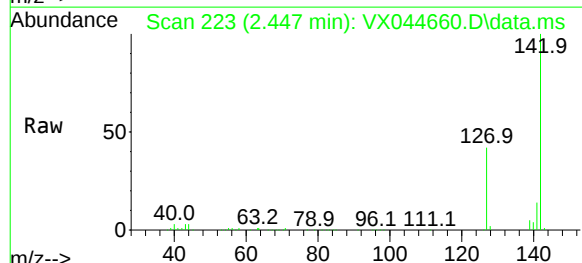
ClientSampleId :

VSTDICCC020

Tgt Ion:	142	Resp:	69610
Ion	Ratio	Lower	Upper
142	100		
127	41.6	20.8	62.4
141	13.9	7.0	20.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#12

Methyl Acetate

Concen: 19.421 ug/l

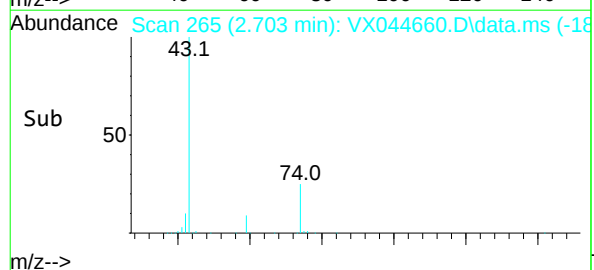
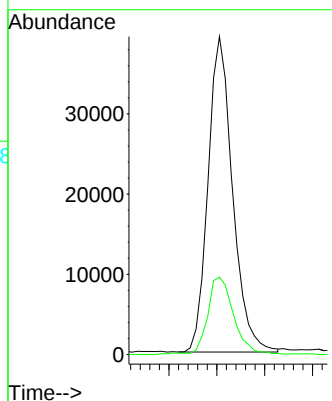
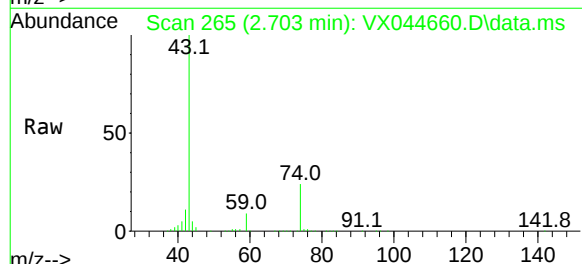
RT: 2.703 min Scan# 265

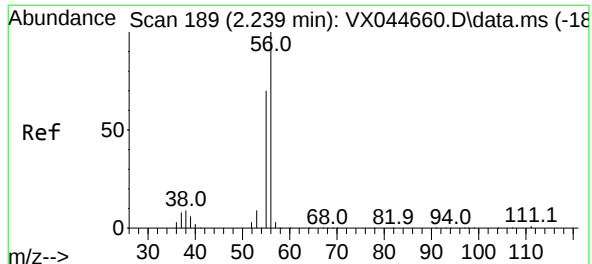
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	43	Resp:	70020
Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.2





#13

Acrolein

Concen: 82.358 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 56 Resp: 32834

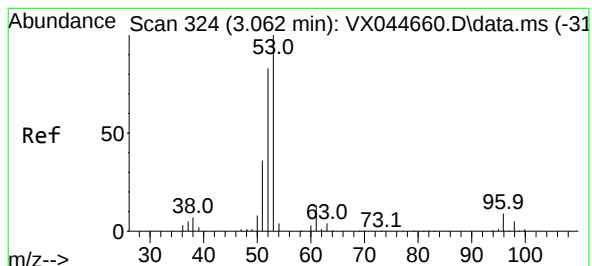
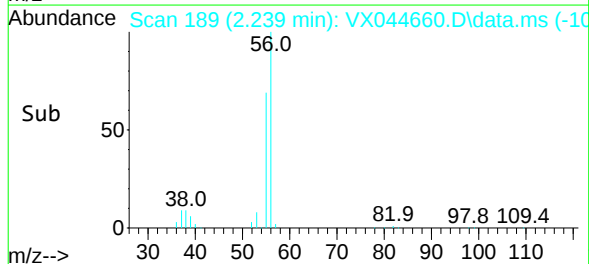
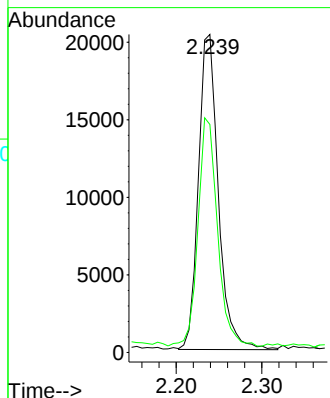
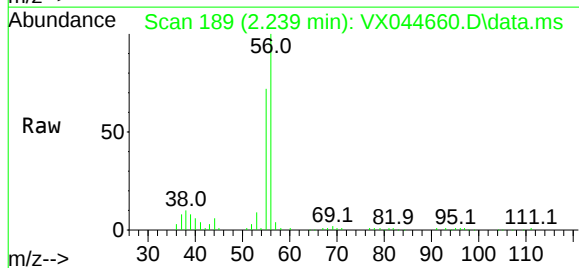
Ion Ratio Lower Upper

56 100

55 72.1 57.5 86.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#14

Acrylonitrile

Concen: 101.348 ug/l

RT: 3.062 min Scan# 324

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

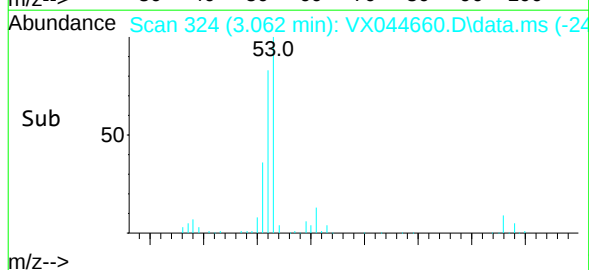
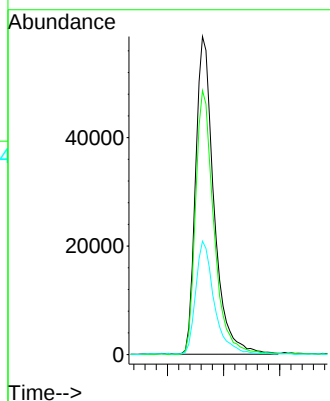
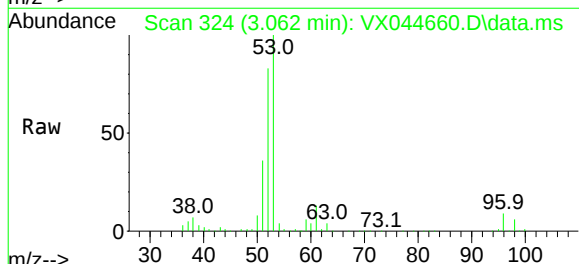
Tgt Ion: 53 Resp: 133148

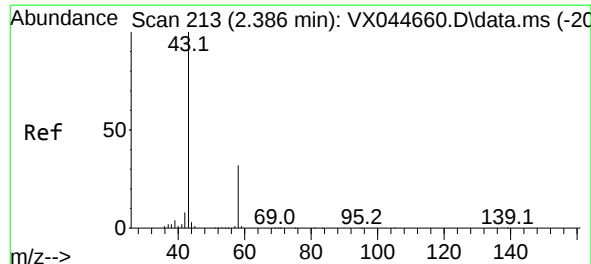
Ion Ratio Lower Upper

53 100

52 82.8 41.4 124.2

51 36.3 18.1 54.4





#15

Acetone

Concen: 98.240 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 58 Resp: 34632

Ion Ratio Lower Upper

58 100

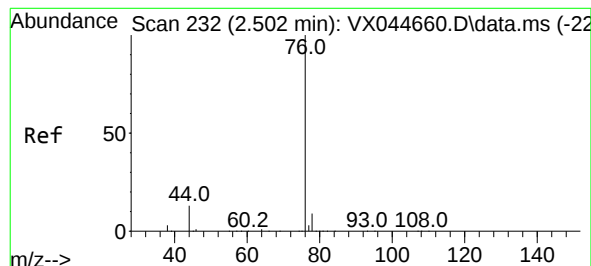
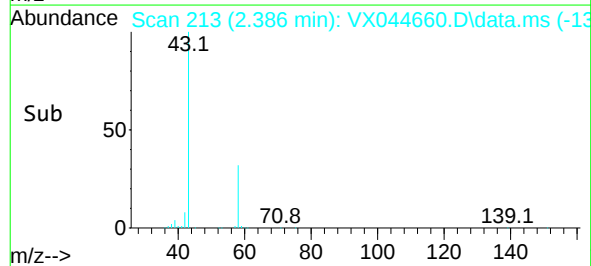
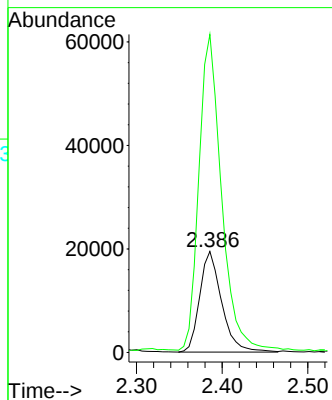
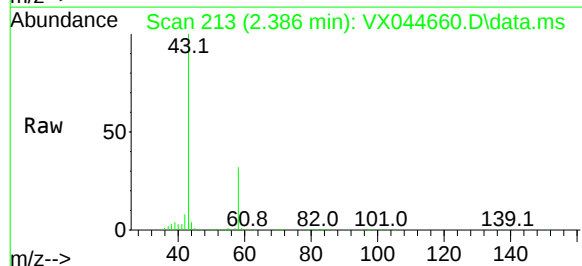
43 313.7 251.0 376.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025

Supervised By :Semsettin Yesilyurt 01/17/2025



#16

Carbon Disulfide

Concen: 19.810 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX044660.D

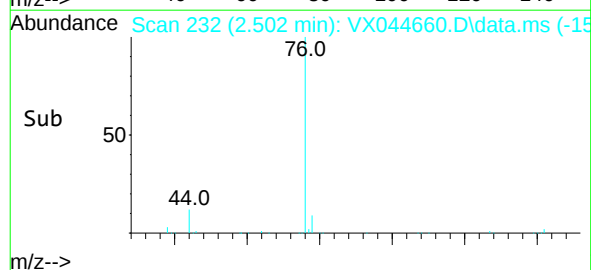
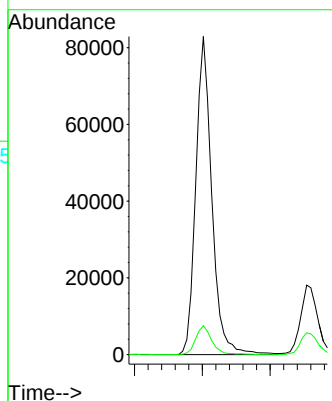
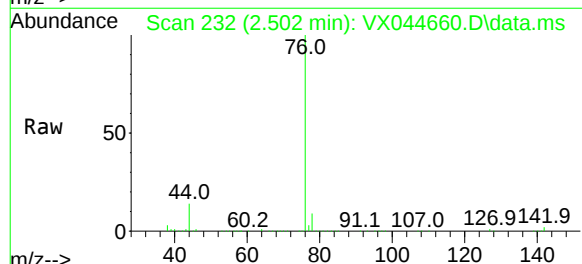
Acq: 16 Jan 2025 09:02

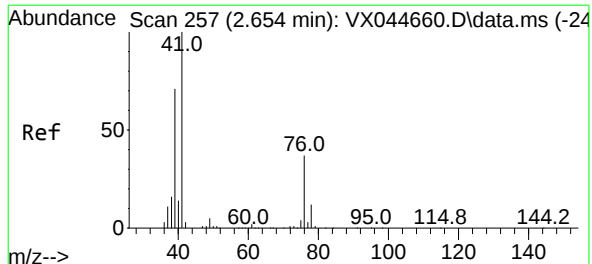
Tgt Ion: 76 Resp: 135960

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#17

Allyl chloride

Concen: 20.254 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

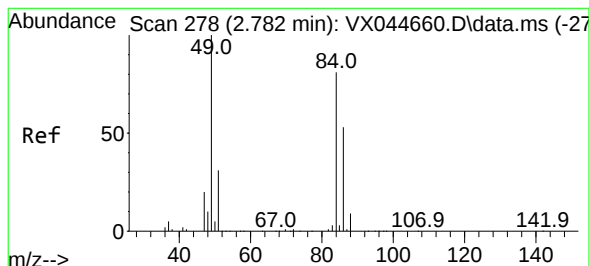
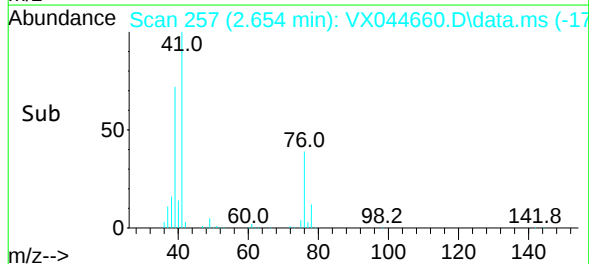
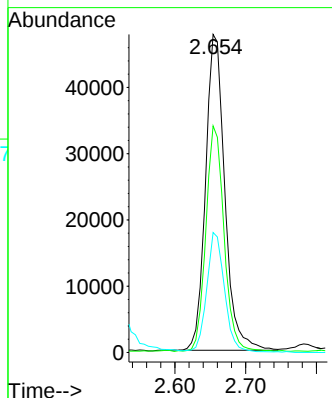
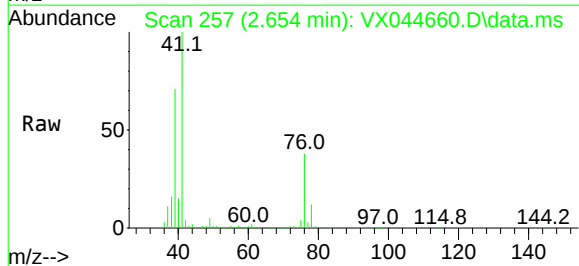
ClientSampleId :

VSTDICCC020

Tgt Ion:	41	Resp:	90204
Ion	Ratio	Lower	Upper
41	100		
39	71.2	35.6	106.8
76	37.7	18.9	56.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#18

Methylene Chloride

Concen: 20.405 ug/l

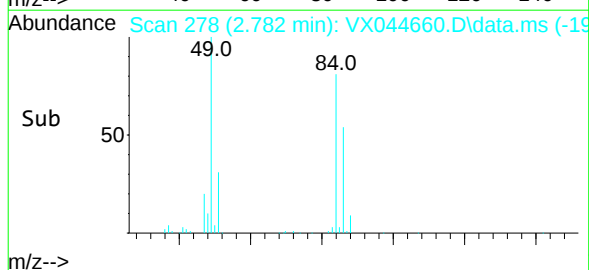
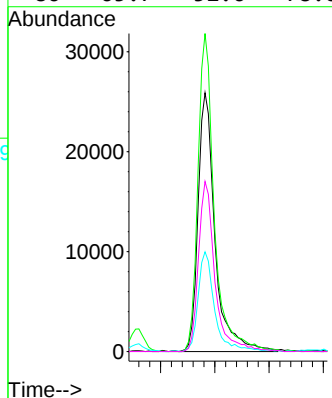
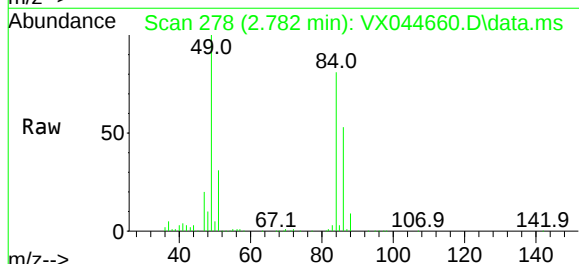
RT: 2.782 min Scan# 278

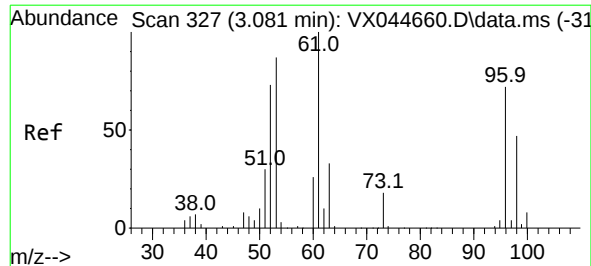
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	84	Resp:	56413
Ion	Ratio	Lower	Upper
84	100		
49	122.9	98.3	147.5
51	38.3	30.6	46.0
86	65.7	52.6	78.8





#19

trans-1,2-Dichloroethene

Concen: 19.989 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 96 Resp: 49084

Ion Ratio Lower Upper

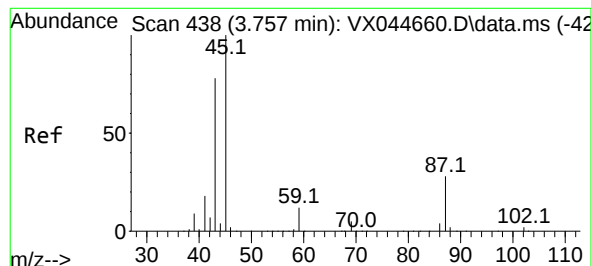
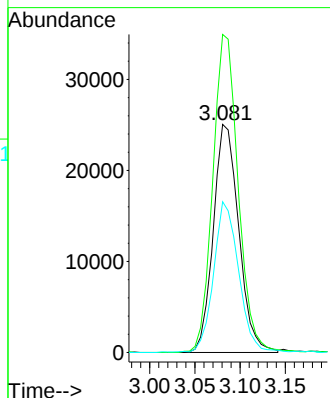
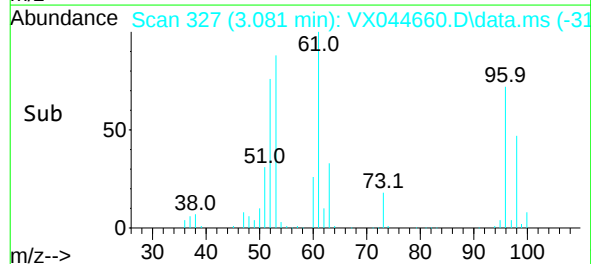
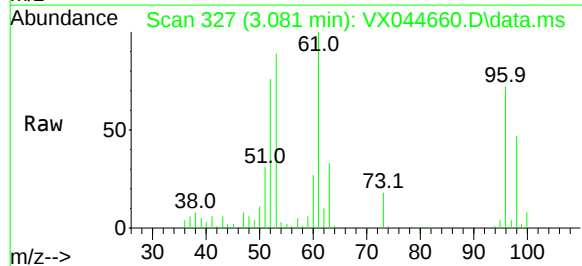
96 100

61 139.4 111.5 167.3

98 65.8 52.6 79.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#20

Diisopropyl ether

Concen: 20.616 ug/l

RT: 3.757 min Scan# 438

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion: 45 Resp: 166654

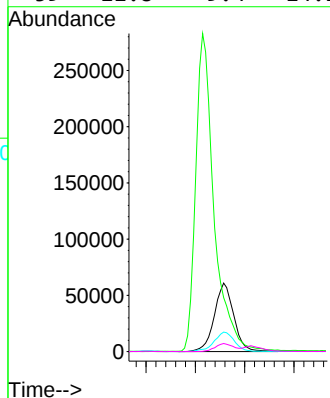
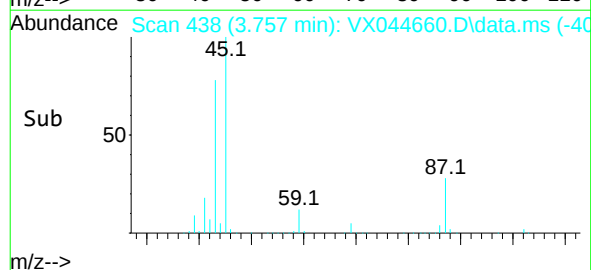
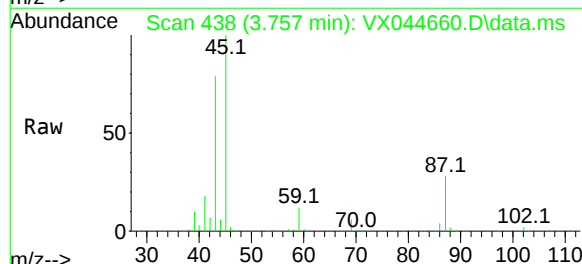
Ion Ratio Lower Upper

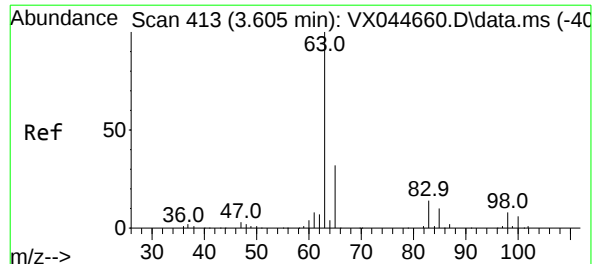
45 100

43 78.3 62.6 94.0

87 28.4 22.7 34.1

59 11.8 9.4 14.2





#21

1,1-Dichloroethane

Concen: 20.151 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

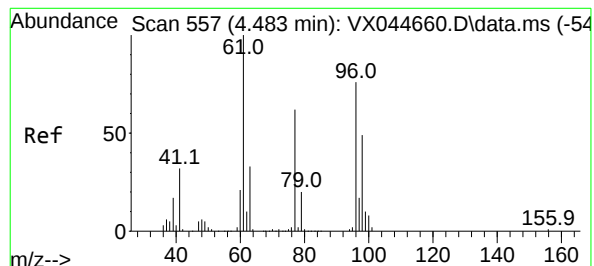
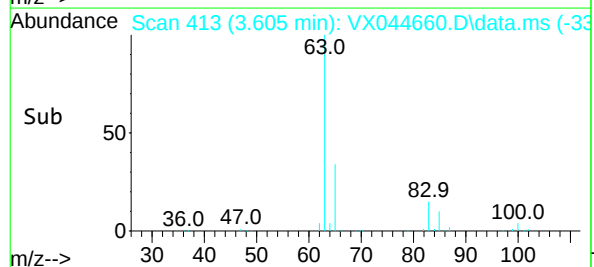
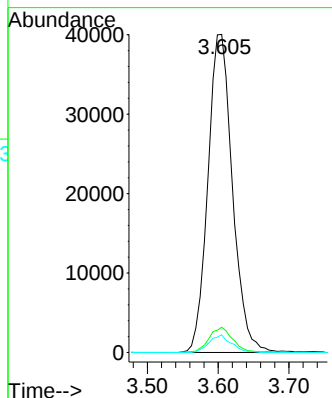
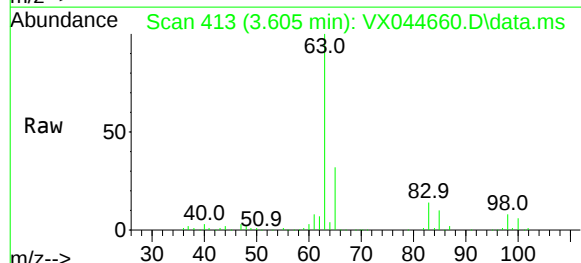
ClientSampleId :

VSTDICCC020

Tgt Ion:	63	Resp:	96629
Ion	Ratio	Lower	Upper
63	100		
98	7.9	4.0	11.9
100	5.5	2.8	8.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#22

cis-1,2-Dichloroethene

Concen: 20.628 ug/l

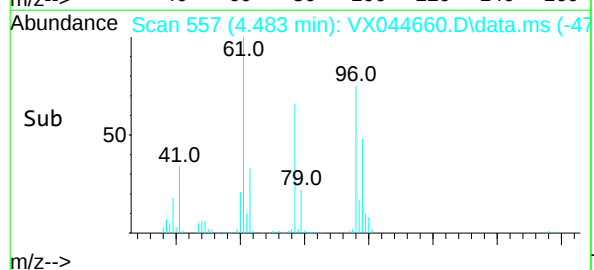
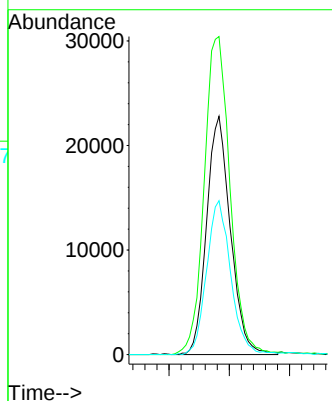
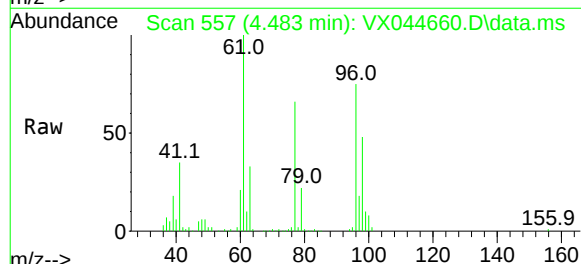
RT: 4.483 min Scan# 557

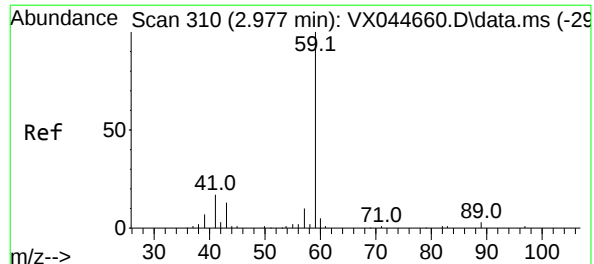
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	96	Resp:	62694
Ion	Ratio	Lower	Upper
96	100		
61	144.0	115.2	172.8
98	64.7	51.8	77.6





#23

tert-Butyl Alcohol

Concen: 114.131 ug/l m

RT: 2.977 min Scan# 310

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 59 Resp: 65050

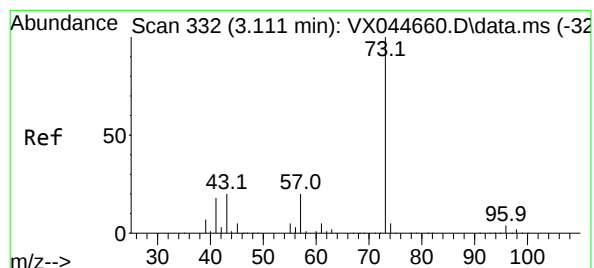
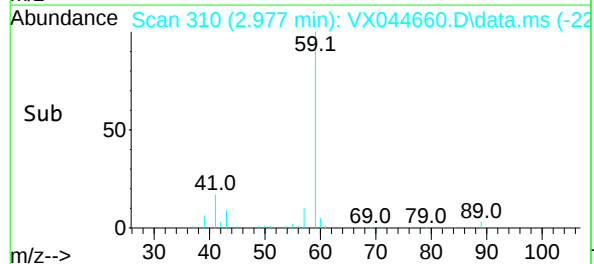
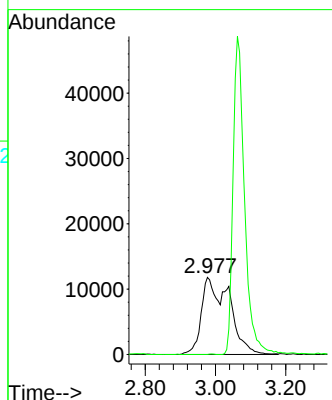
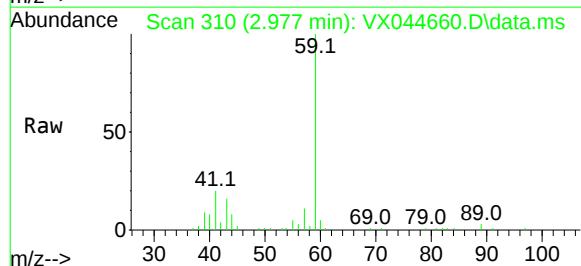
Ion Ratio Lower Upper

59 100

52 0.1 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#24

Methyl tert-Butyl Ether

Concen: 20.386 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX044660.D

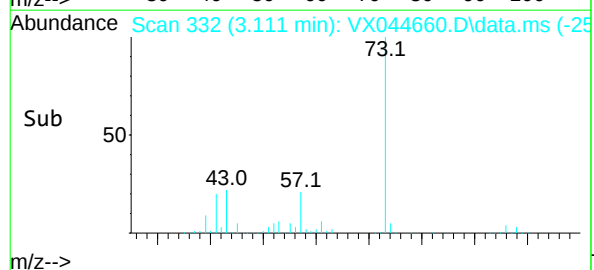
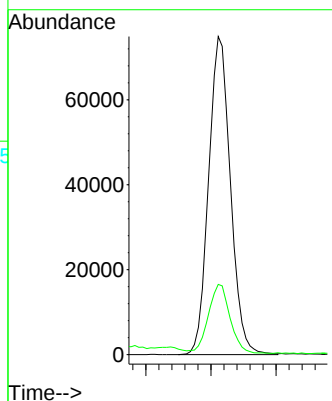
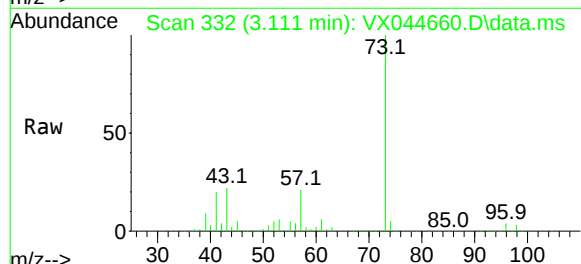
Acq: 16 Jan 2025 09:02

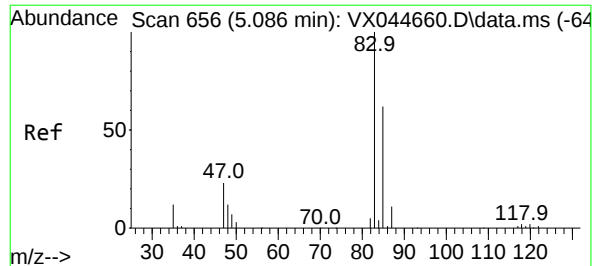
Tgt Ion: 73 Resp: 174439

Ion Ratio Lower Upper

73 100

43 21.1 16.9 25.3





#25

Chloroform

Concen: 20.366 ug/l

RT: 5.086 min Scan# 65

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 83 Resp: 97039

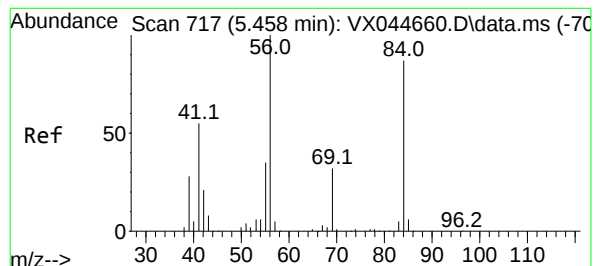
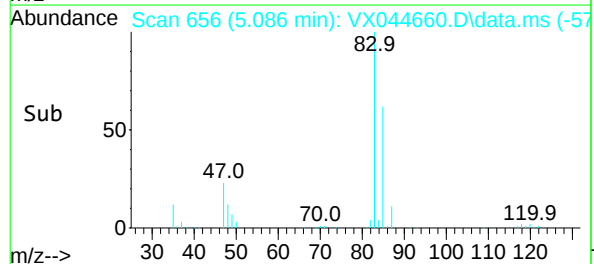
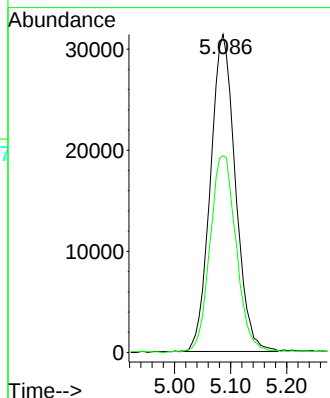
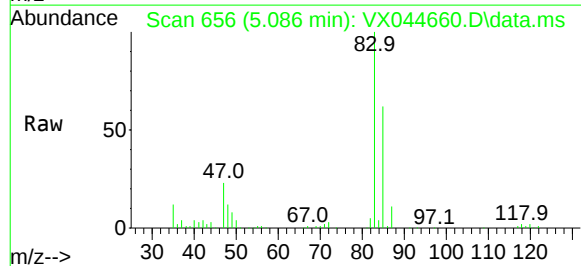
Ion Ratio Lower Upper

83 100

85 61.8 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#26

Cyclohexane

Concen: 19.839 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

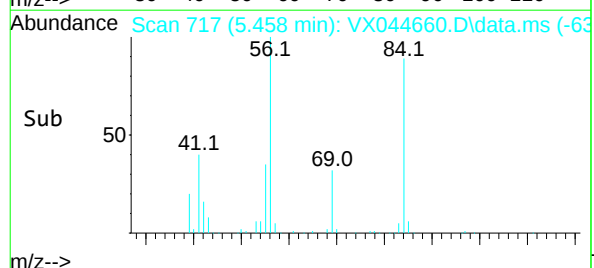
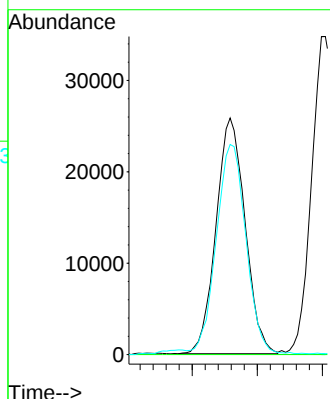
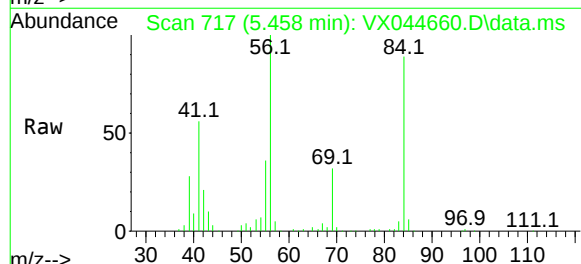
Tgt Ion: 56 Resp: 79956

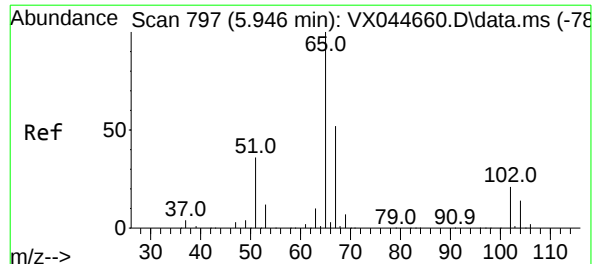
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 90.3 72.2 108.4





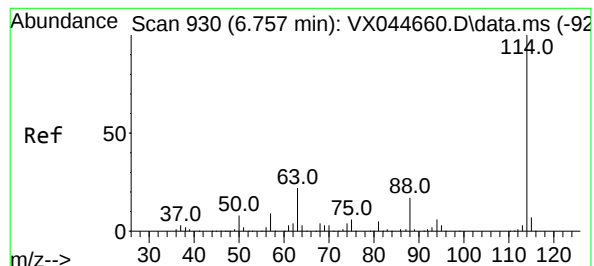
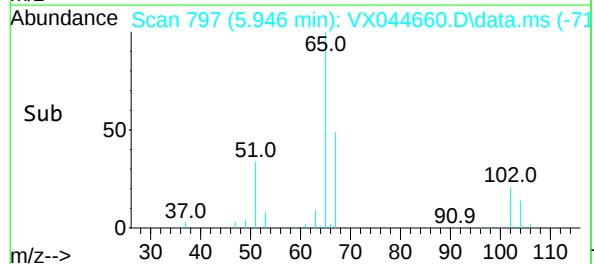
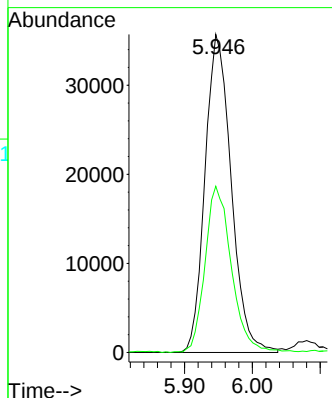
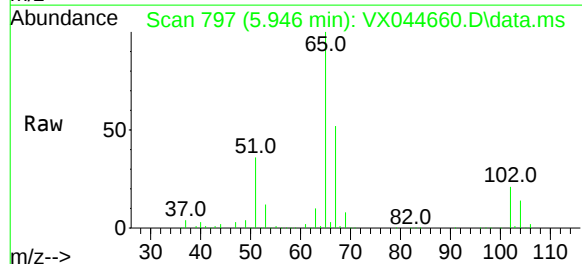
#27
1,2-Dichloroethane-d4
Concen: 29.698 ug/l
RT: 5.946 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044660.D
Acq: 16 Jan 2025 09:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion: 65 Resp: 95855
Ion Ratio Lower Upper
65 100
67 51.8 41.4 62.2

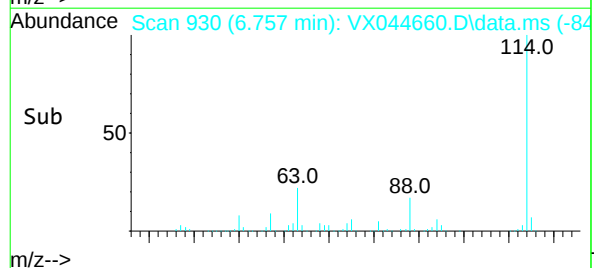
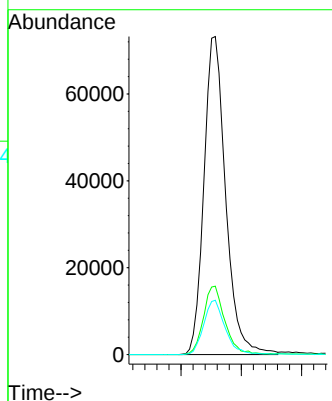
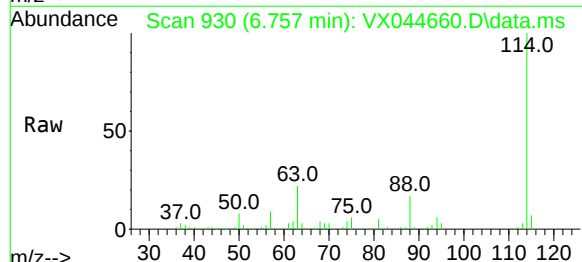
Manual Integrations
APPROVED

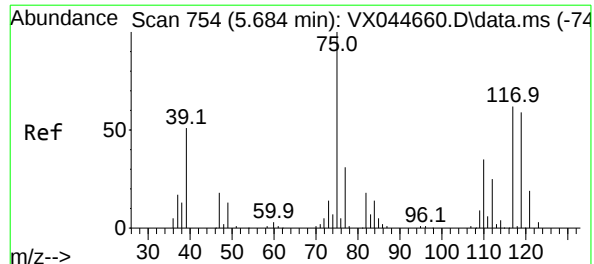
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044660.D
Acq: 16 Jan 2025 09:02

Tgt Ion:114 Resp: 183316
Ion Ratio Lower Upper
114 100
63 20.7 16.6 24.8
88 16.8 13.4 20.2





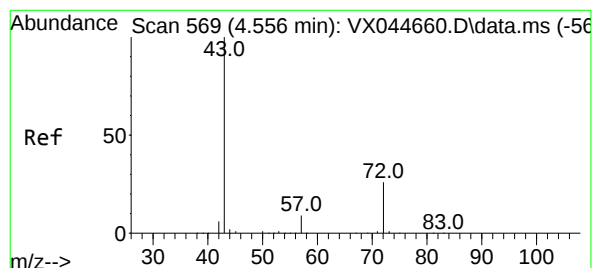
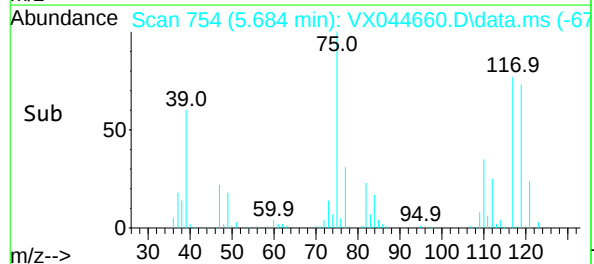
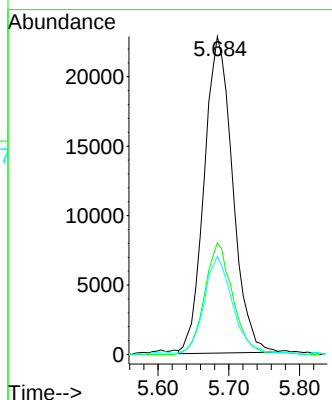
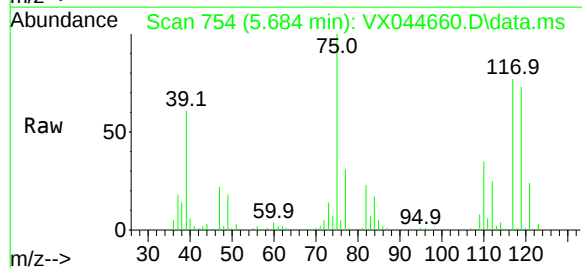
#29
1,1-Dichloropropene
Concen: 19.948 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX044660.D
Acq: 16 Jan 2025 09:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	0.0	69.4
77	29.9	0.0	59.8

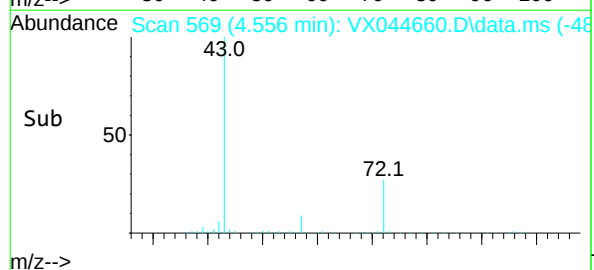
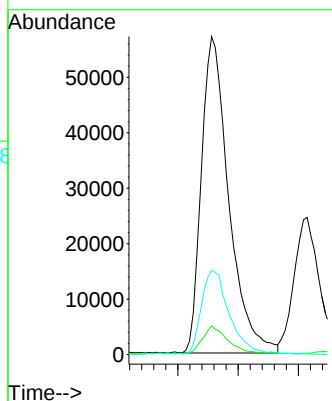
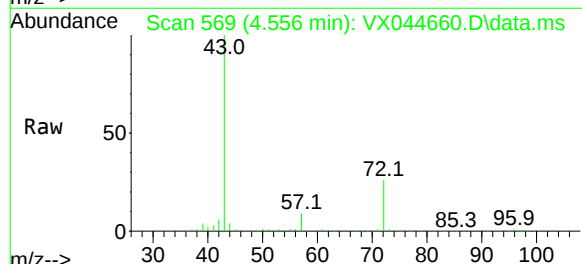
Manual Integrations
APPROVED

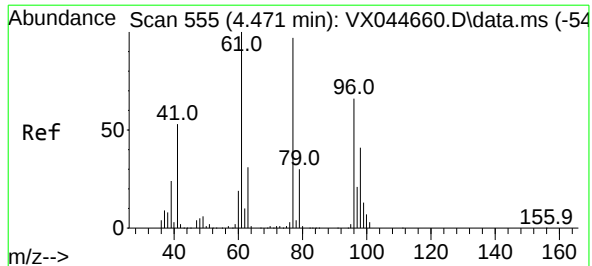
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#30
2-Butanone
Concen: 102.811 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044660.D
Acq: 16 Jan 2025 09:02

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.4	9.6
72	26.9	21.5	32.3





#31

2,2-Dichloropropane

Concen: 20.198 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 77 Resp: 89122

Ion Ratio Lower Upper

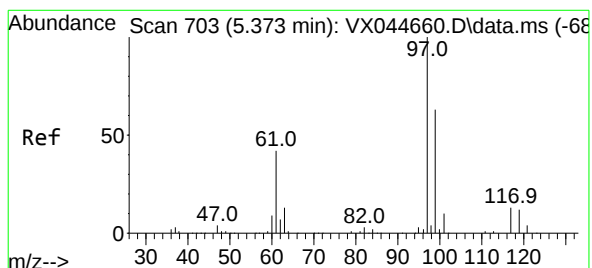
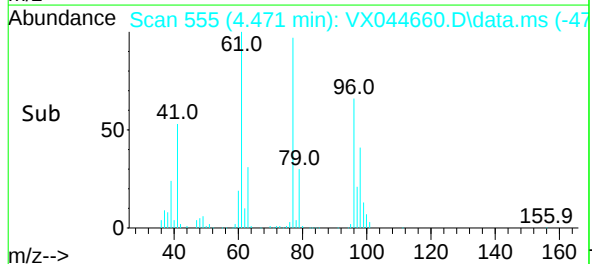
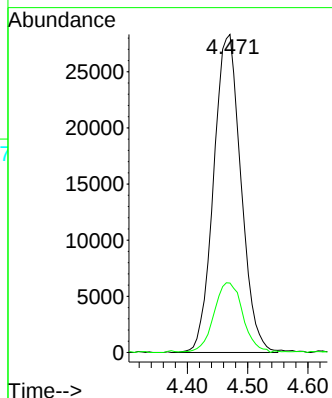
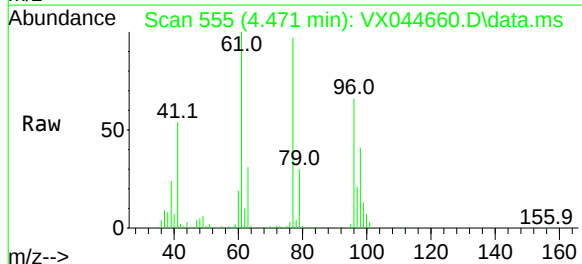
77 100

97 23.2 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025



#32

1,1,1-Trichloroethane

Concen: 20.310 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

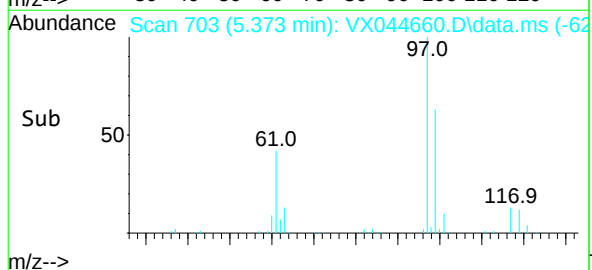
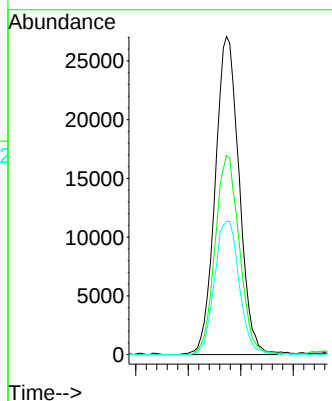
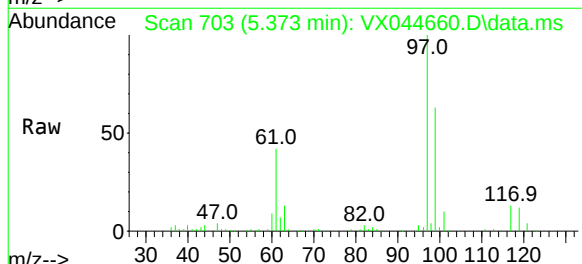
Tgt Ion: 97 Resp: 85820

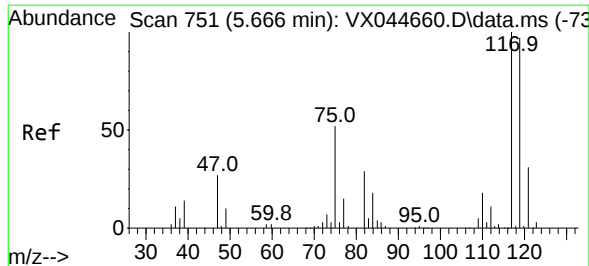
Ion Ratio Lower Upper

97 100

99 63.1 50.5 75.7

61 43.2 34.6 51.8





#33

Carbon Tetrachloride

Concen: 20.121 ug/l

RT: 5.666 min Scan# 751

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:117 Resp: 71722

Ion Ratio Lower Upper

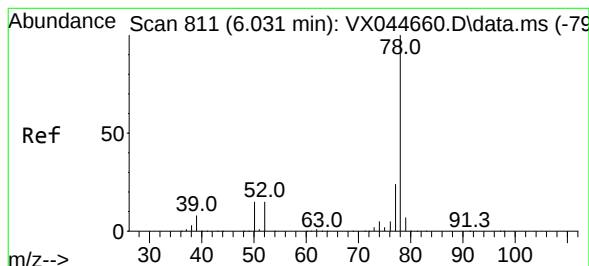
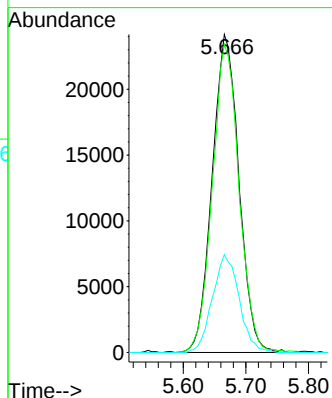
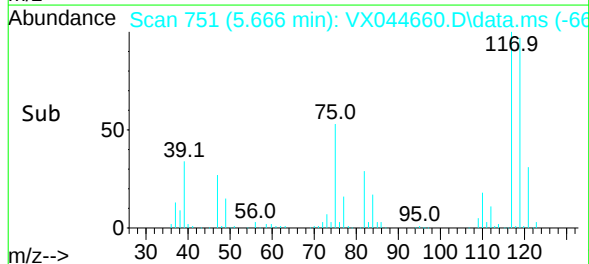
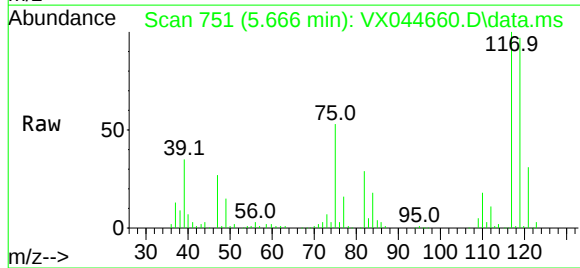
117 100

119 96.6 77.3 115.9

121 30.8 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#34

Benzene

Concen: 20.737 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

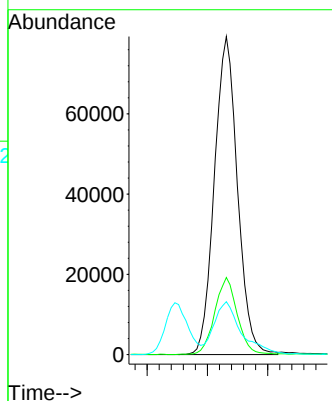
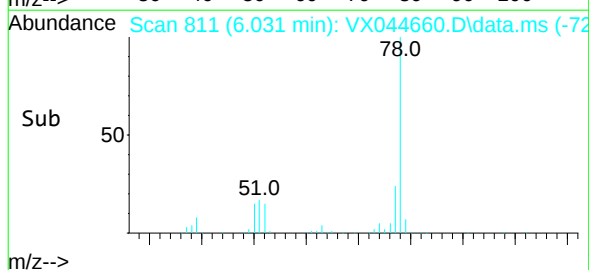
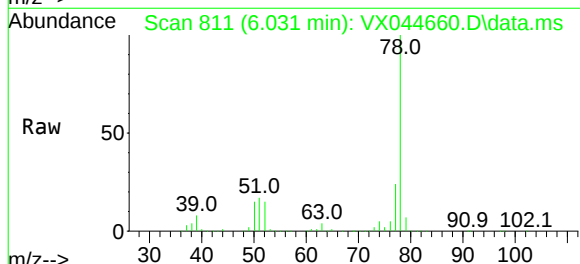
Tgt Ion: 78 Resp: 210959

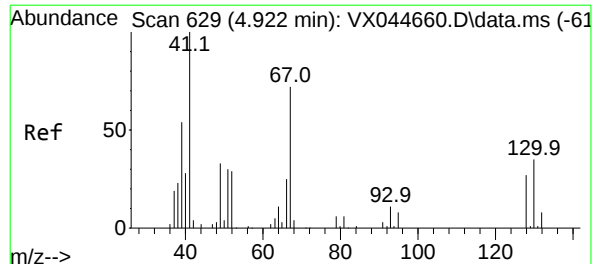
Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9

51 15.9 12.7 19.1





#35

Methacrylonitrile

Concen: 20.216 ug/l

RT: 4.922 min Scan# 629

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 41 Resp: 39575

Ion Ratio Lower Upper

41 100

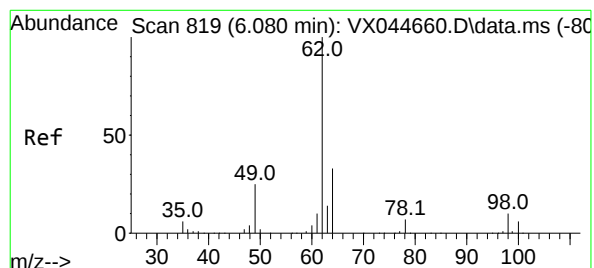
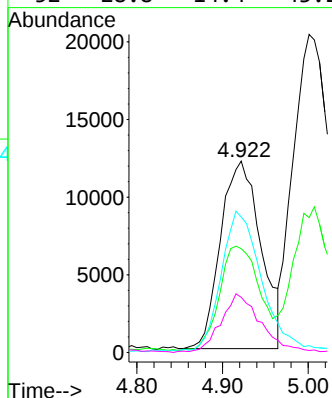
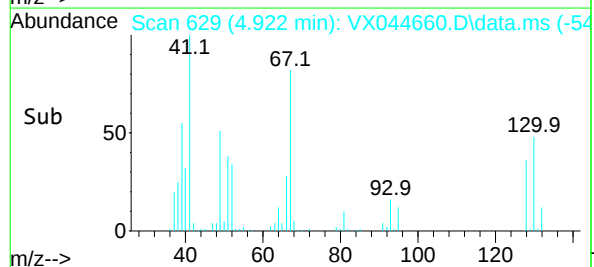
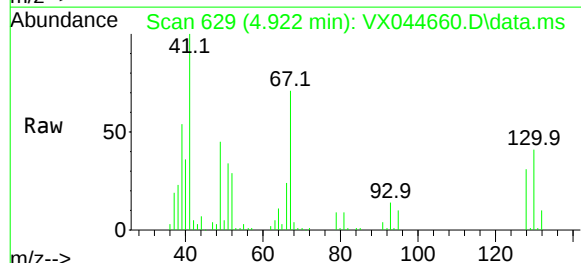
39 54.2 27.1 81.3

67 71.6 35.8 107.4

52 28.8 14.4 43.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#36

1,2-Dichloroethane

Concen: 20.699 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX044660.D

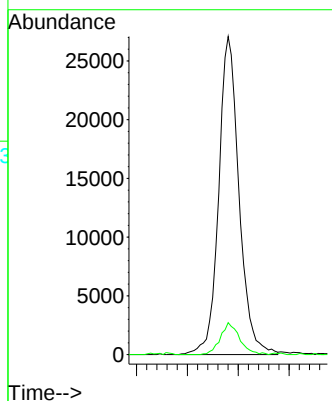
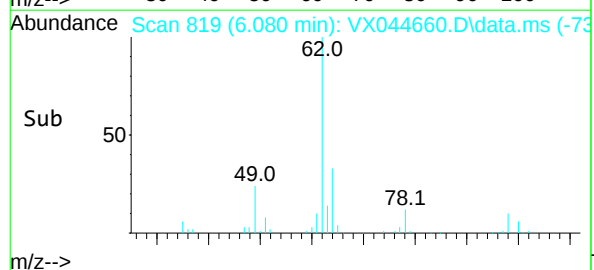
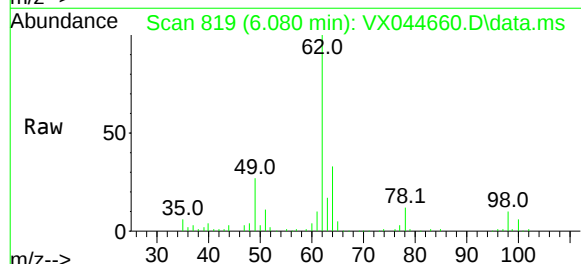
Acq: 16 Jan 2025 09:02

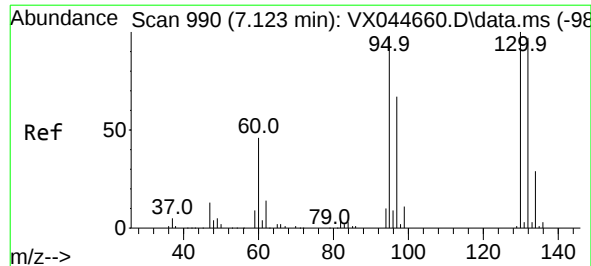
Tgt Ion: 62 Resp: 75287

Ion Ratio Lower Upper

62 100

98 9.3 7.4 11.2





#37

Trichloroethene

Concen: 20.143 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:130 Resp: 49474

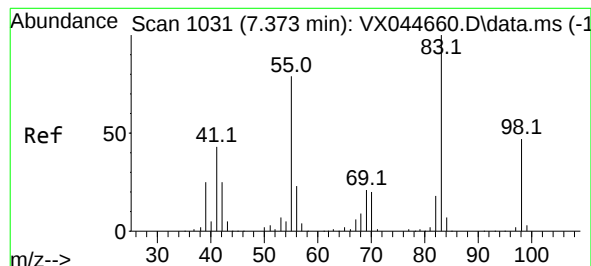
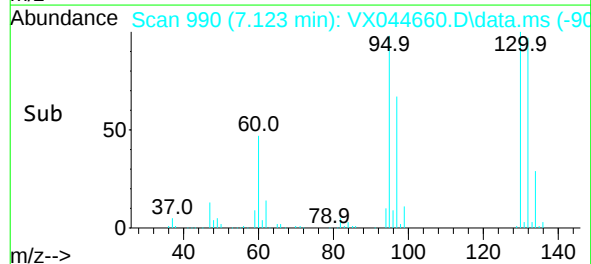
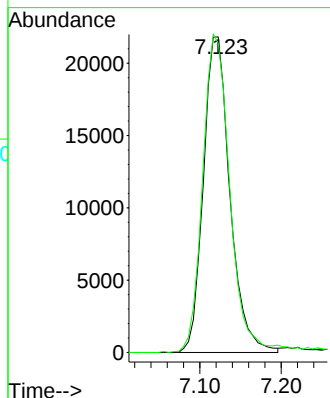
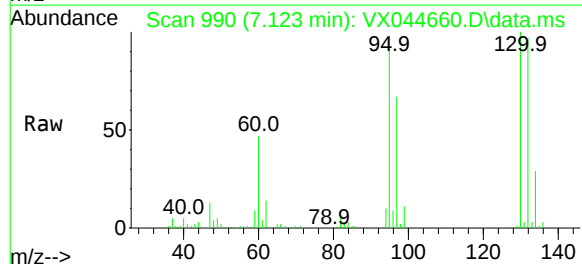
Ion Ratio Lower Upper

130 100

95 97.8 78.2 117.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#38

Methylcyclohexane

Concen: 19.514 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

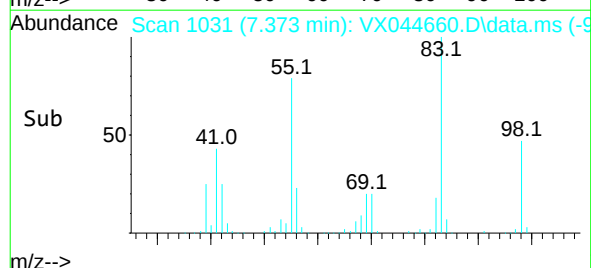
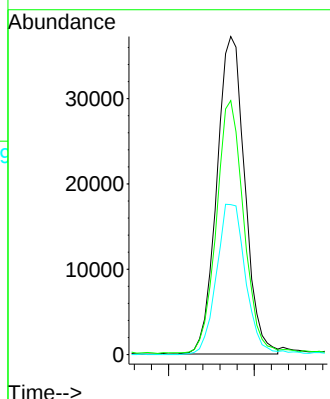
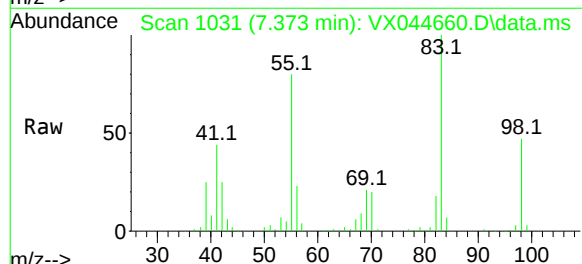
Tgt Ion: 83 Resp: 84540

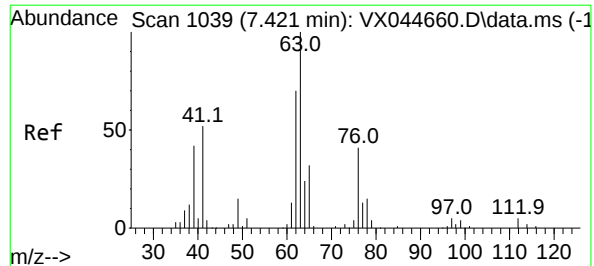
Ion Ratio Lower Upper

83 100

55 76.9 38.4 115.2

98 48.9 24.4 73.4





#39

1,2-Dichloropropane

Concen: 20.616 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 63 Resp: 52299

Ion Ratio Lower Upper

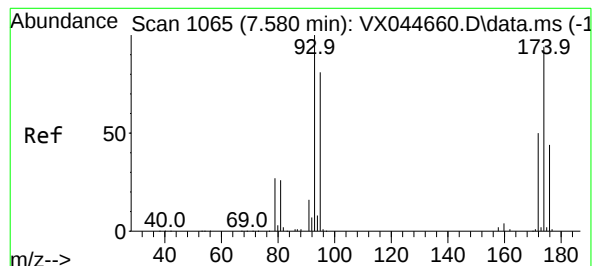
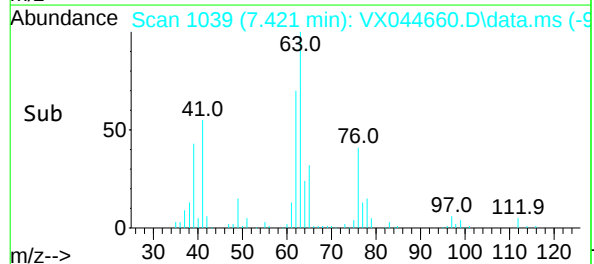
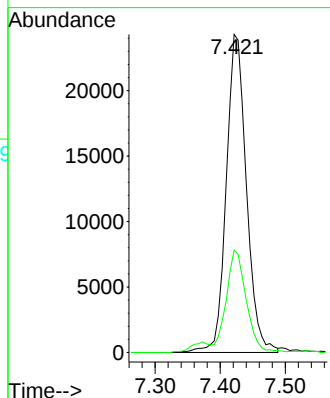
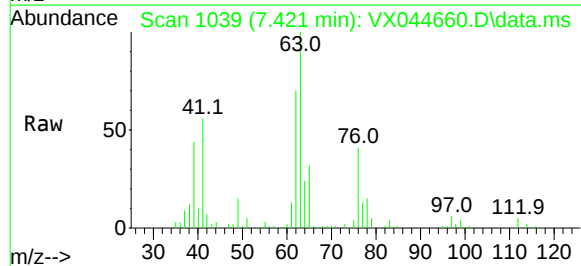
63 100

65 31.9 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025



#40

Dibromomethane

Concen: 20.366 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

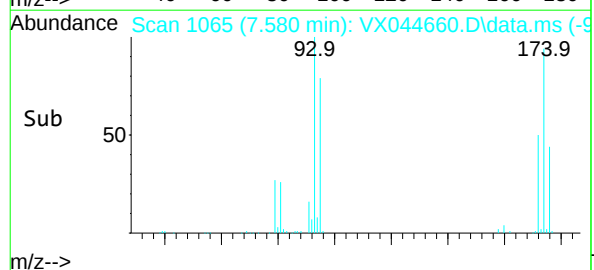
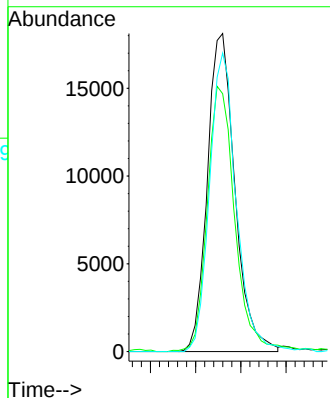
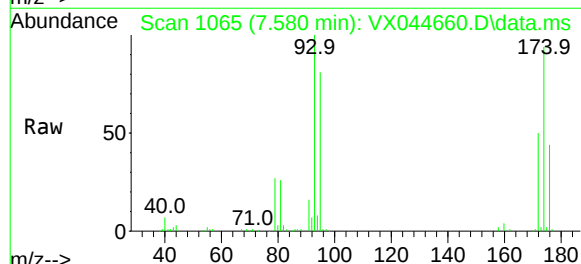
Tgt Ion: 93 Resp: 38410

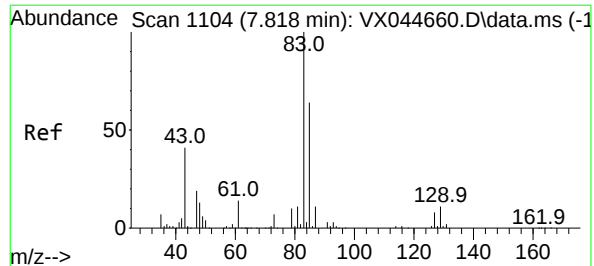
Ion Ratio Lower Upper

93 100

95 83.5 0.0 167.0

174 91.0 0.0 182.0





#41

Bromodichloromethane

Concen: 20.548 ug/l

RT: 7.818 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

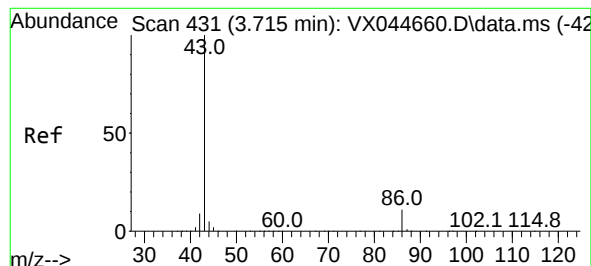
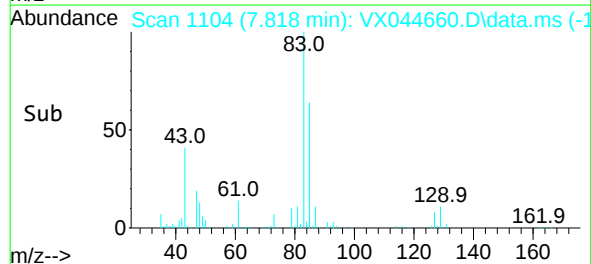
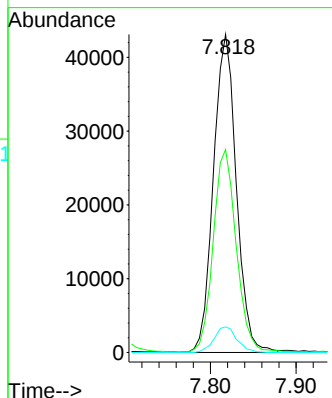
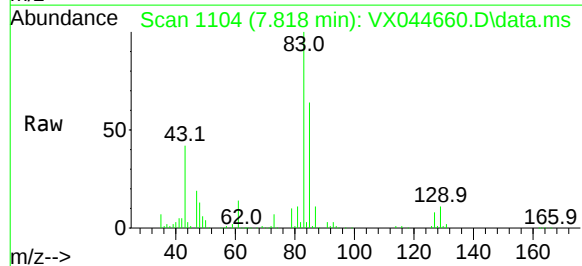
ClientSampleId :

VSTDICCC020

Tgt Ion:	83	Resp:	80017
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.1	6.5	9.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#42

Vinyl Acetate

Concen: 104.251 ug/l

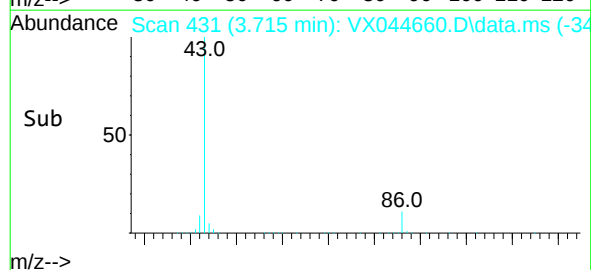
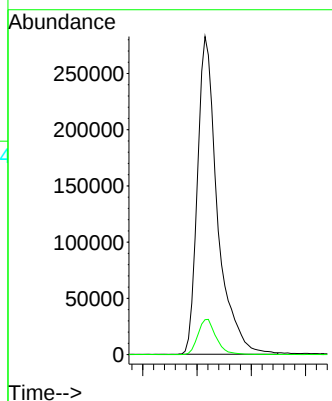
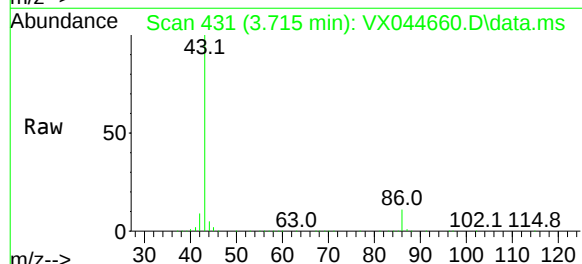
RT: 3.715 min Scan# 431

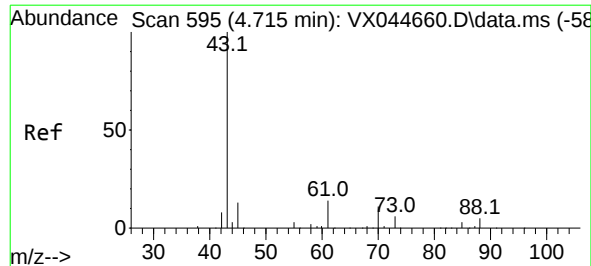
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	43	Resp:	725170
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.0	12.0





#43

Ethyl Acetate

Concen: 21.071 ug/l m

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 43 Resp: 72396

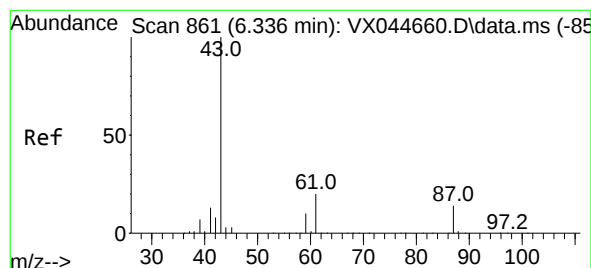
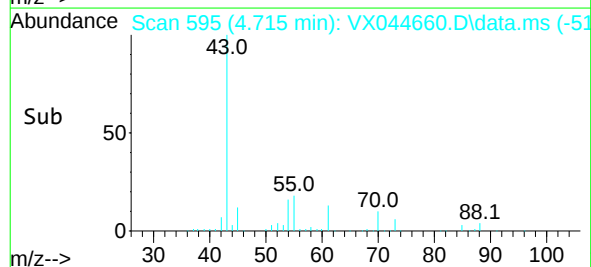
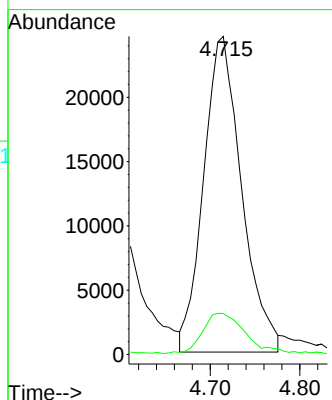
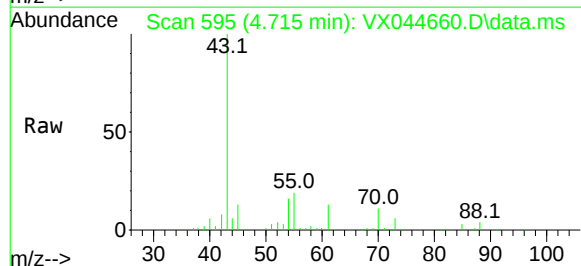
Ion Ratio Lower Upper

43 100

45 0.3 0.1 0.1#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#44

Isopropyl Acetate

Concen: 20.652 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044660.D

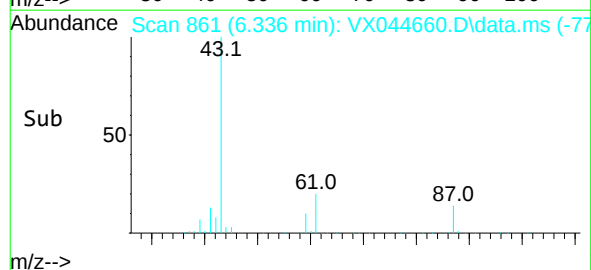
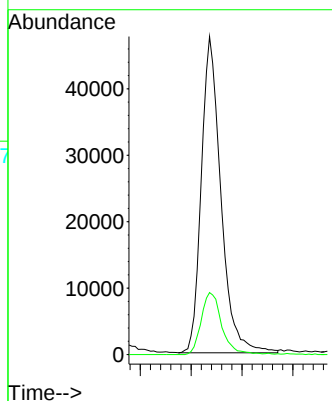
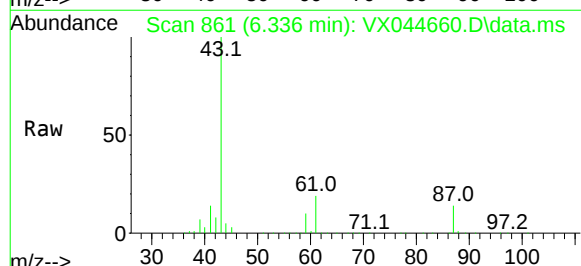
Acq: 16 Jan 2025 09:02

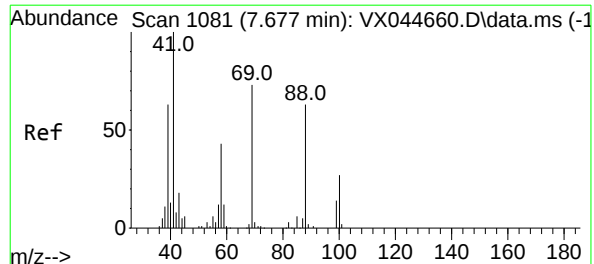
Tgt Ion: 43 Resp: 127474

Ion Ratio Lower Upper

43 100

61 20.3 16.2 24.4





#45

1,4-Dioxane

Concen: 425.692 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 88 Resp: 25021

Ion Ratio Lower Upper

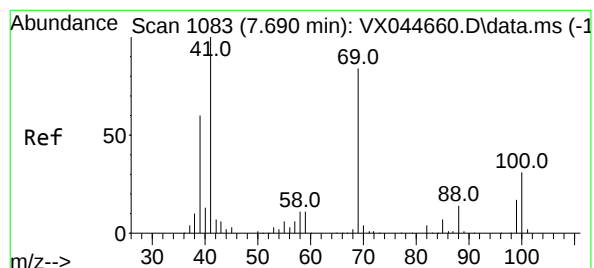
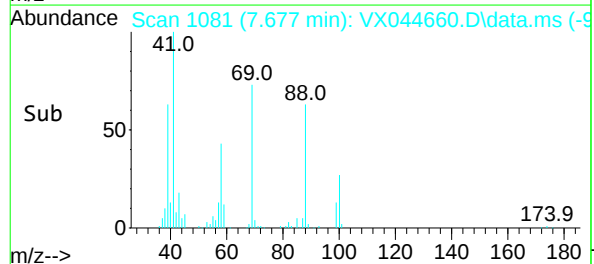
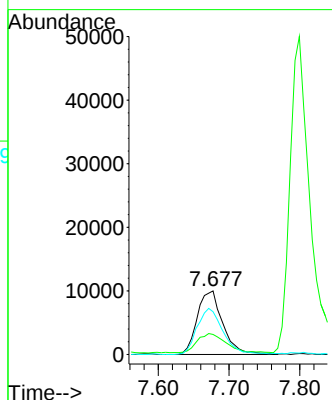
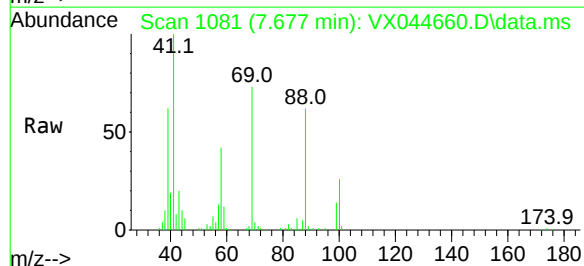
88 100

43 32.4 25.9 38.9

58 73.6 58.9 88.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#46

Methyl methacrylate

Concen: 20.568 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

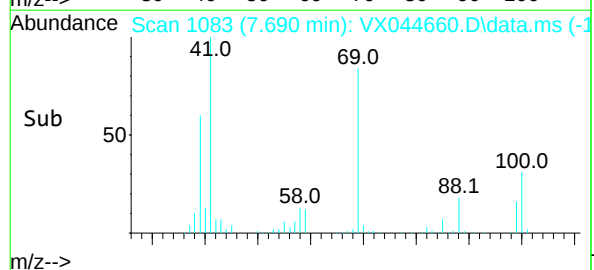
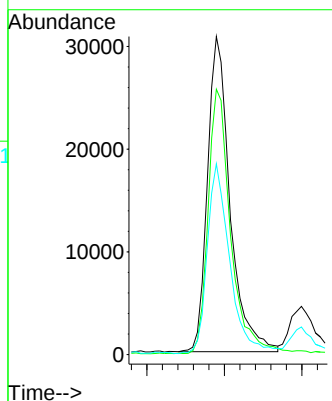
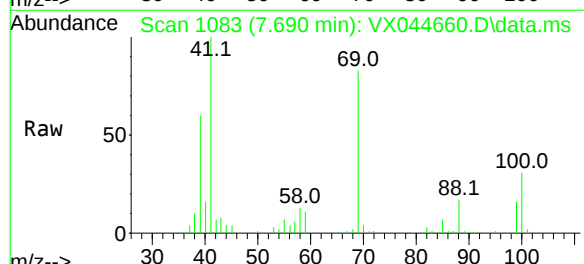
Tgt Ion: 41 Resp: 62145

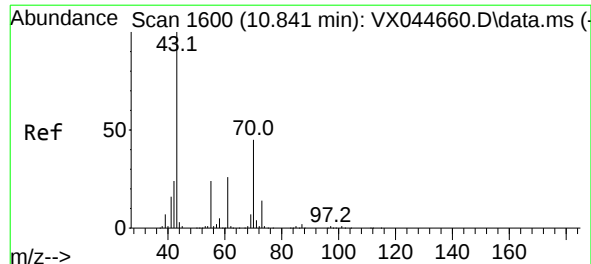
Ion Ratio Lower Upper

41 100

69 83.8 41.9 125.7

39 60.2 30.1 90.3





#47

n-amy1 Acetate

Concen: 21.278 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 43 Resp: 110225

Ion Ratio Lower Upper

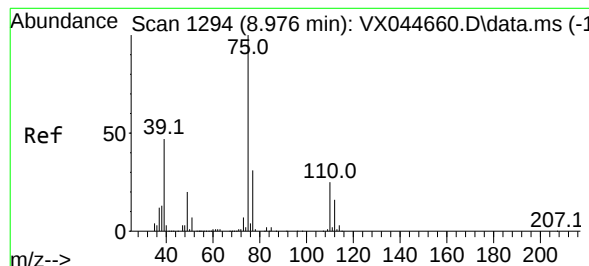
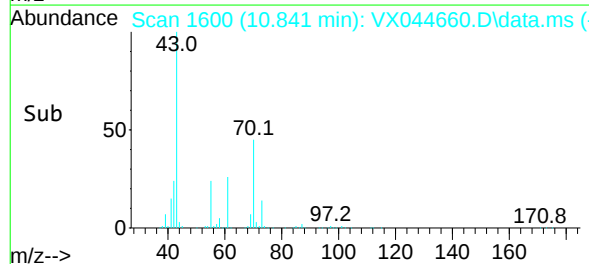
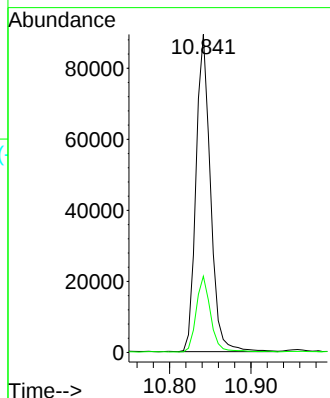
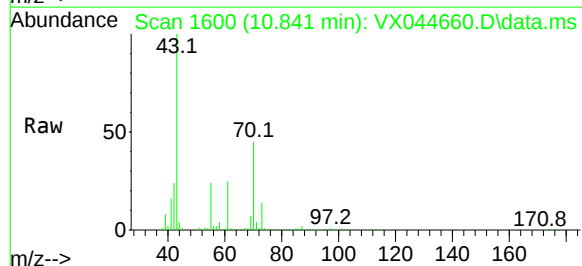
43 100

55 23.6 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#48

t-1,3-Dichloropropene

Concen: 20.683 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX044660.D

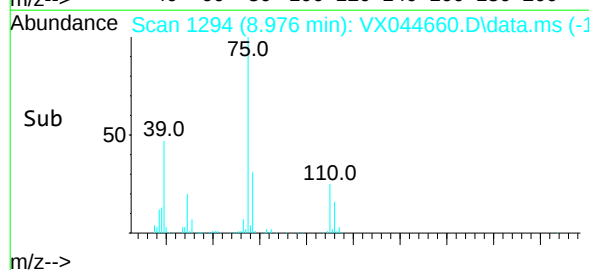
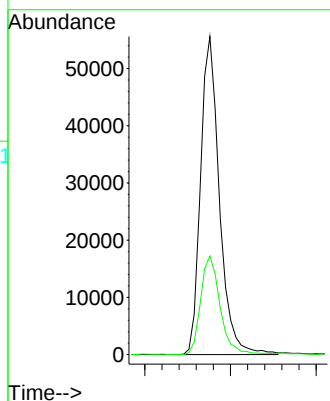
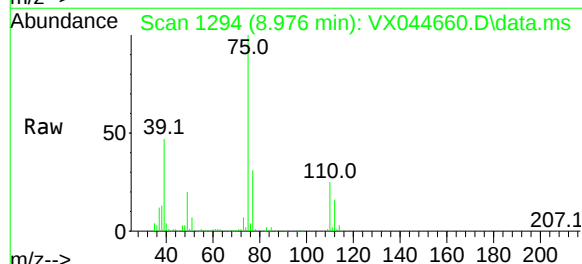
Acq: 16 Jan 2025 09:02

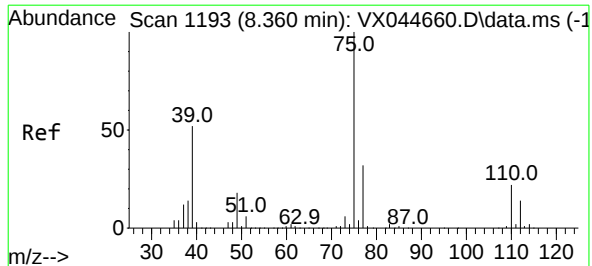
Tgt Ion: 75 Resp: 85014

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 20.747 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 75 Resp: 91440

Ion Ratio Lower Upper

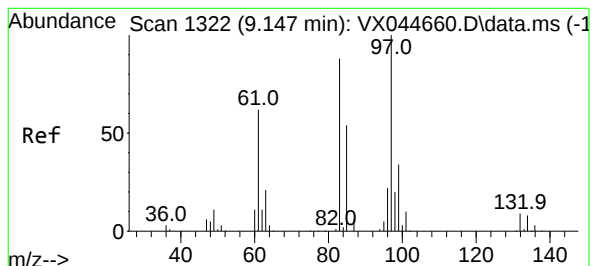
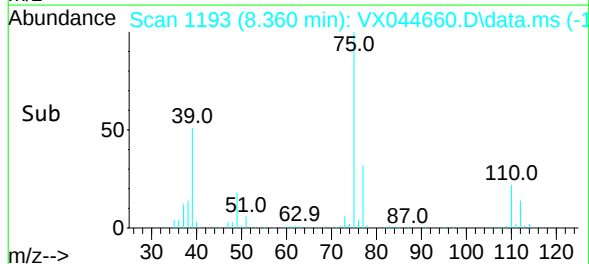
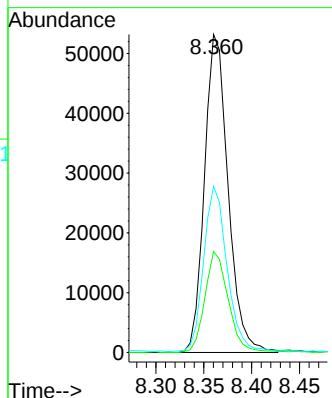
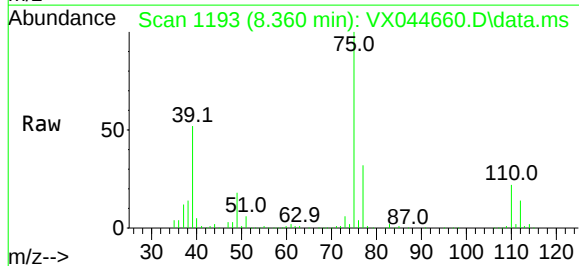
75 100

77 31.7 25.4 38.0

39 51.7 41.4 62.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#50

1,1,2-Trichloroethane

Concen: 21.040 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion: 97 Resp: 51190

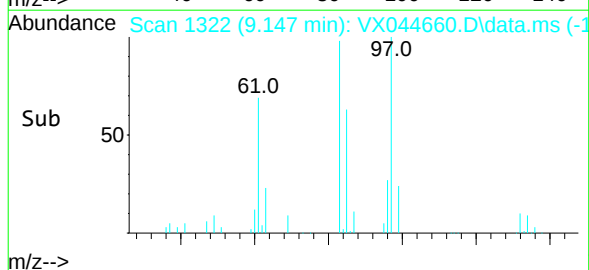
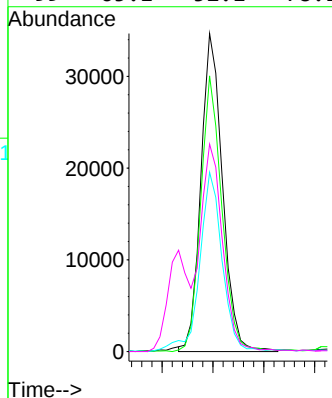
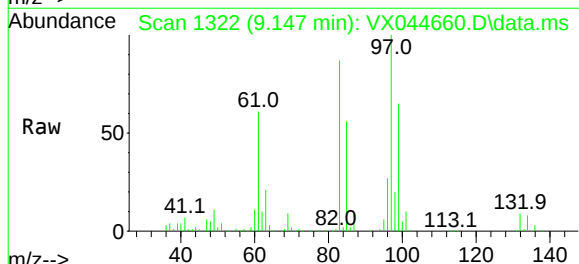
Ion Ratio Lower Upper

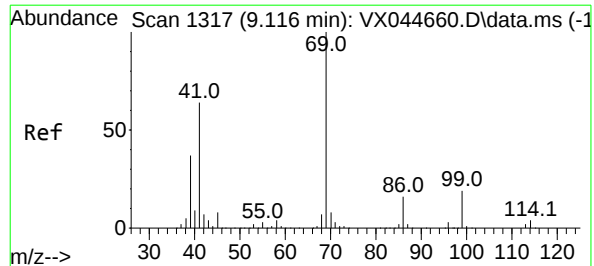
97 100

83 86.5 69.2 103.8

85 56.0 44.8 67.2

99 65.1 52.1 78.1





#51

Ethyl methacrylate

Concen: 20.861 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 69 Resp: 88025

Ion Ratio Lower Upper

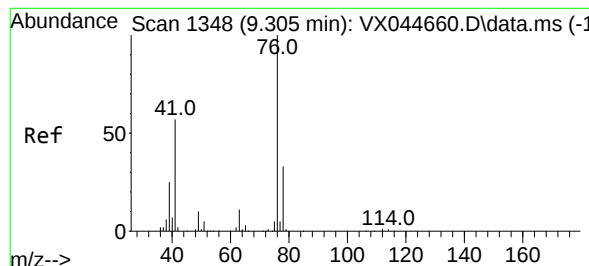
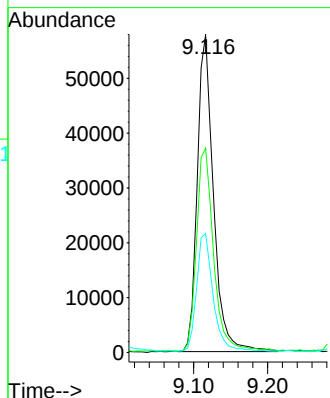
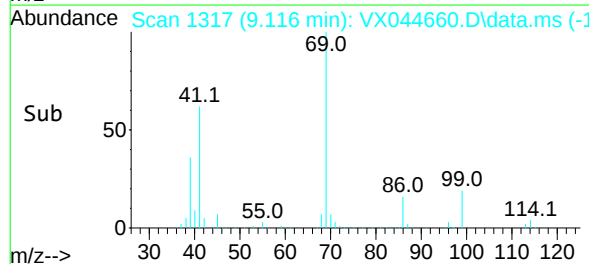
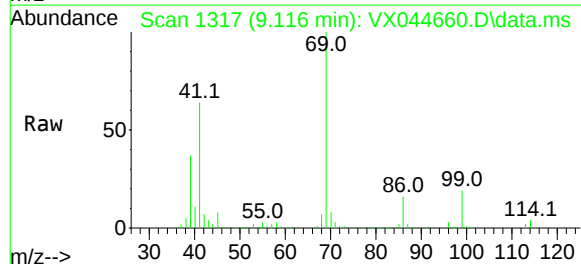
69 100

41 64.0 32.0 96.0

39 37.1 18.6 55.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#52

1,3-Dichloropropane

Concen: 20.900 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VX044660.D

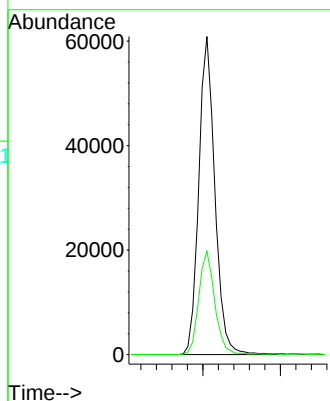
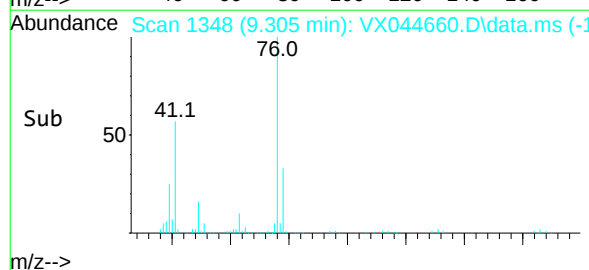
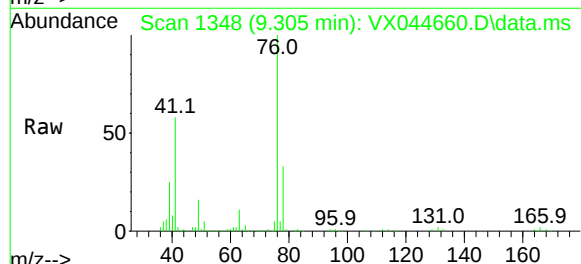
Acq: 16 Jan 2025 09:02

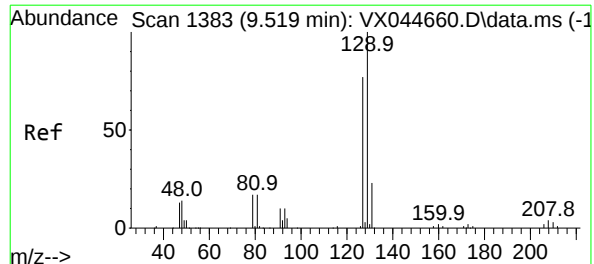
Tgt Ion: 76 Resp: 87800

Ion Ratio Lower Upper

76 100

78 32.0 0.0 64.0





#53

Dibromochloromethane

Concen: 21.165 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:129 Resp: 61431

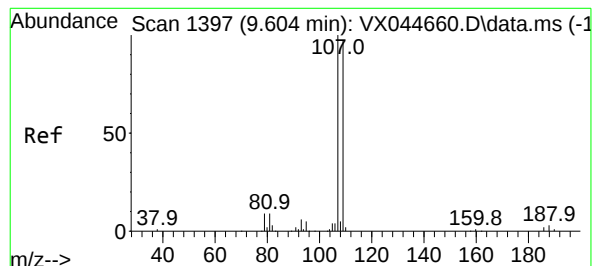
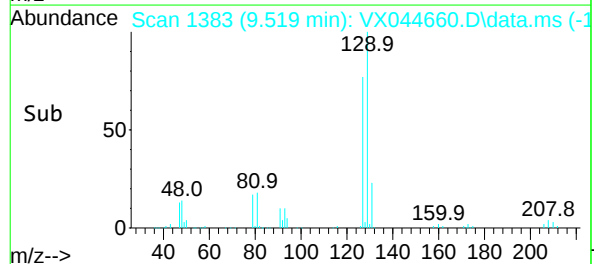
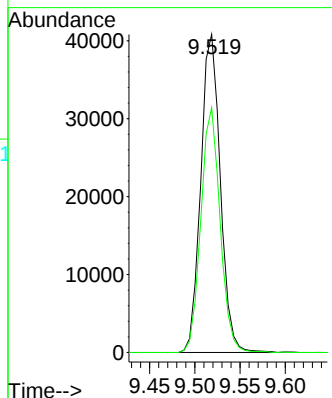
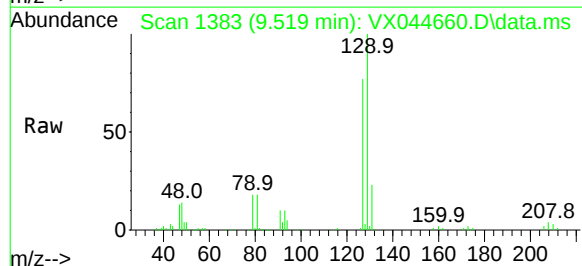
Ion Ratio Lower Upper

129 100

127 75.6 37.8 113.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#54

1,2-Dibromoethane

Concen: 20.963 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VX044660.D

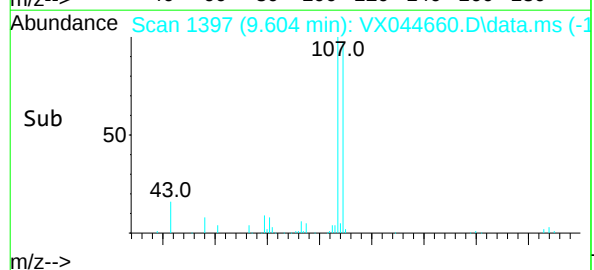
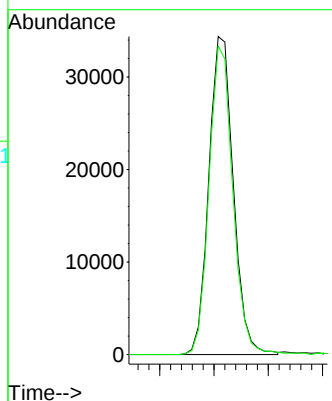
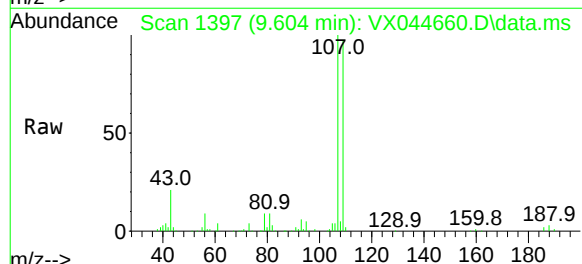
Acq: 16 Jan 2025 09:02

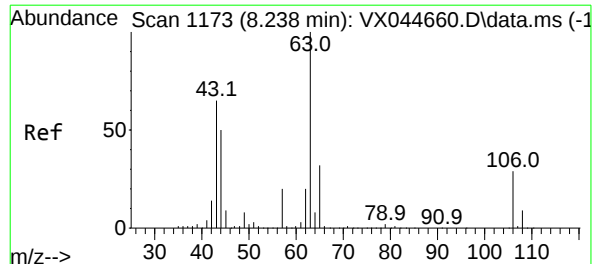
Tgt Ion:107 Resp: 53825

Ion Ratio Lower Upper

107 100

109 94.4 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 104.779 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 63 Resp: 214240

Ion Ratio Lower Upper

63 100

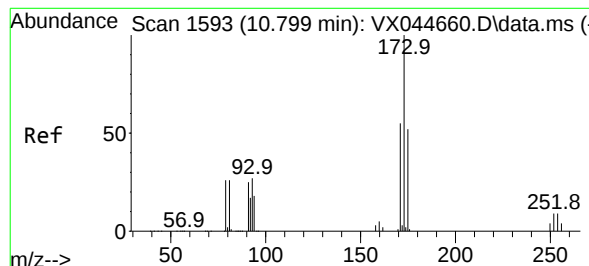
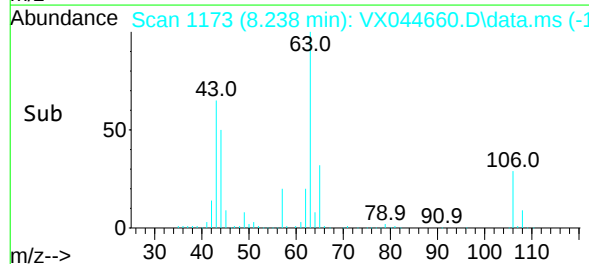
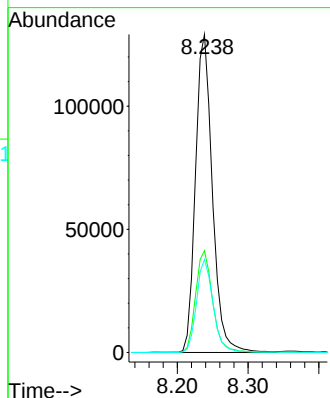
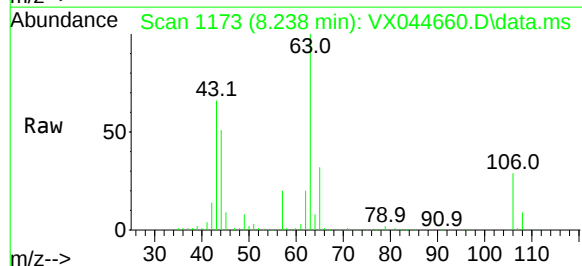
65 32.1 25.8 38.6

106 28.8 23.1 34.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#56

Bromoform

Concen: 20.544 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

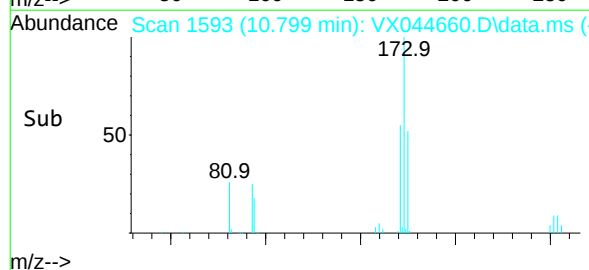
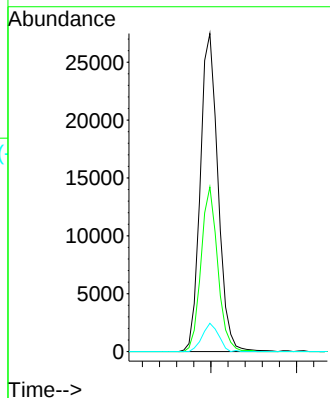
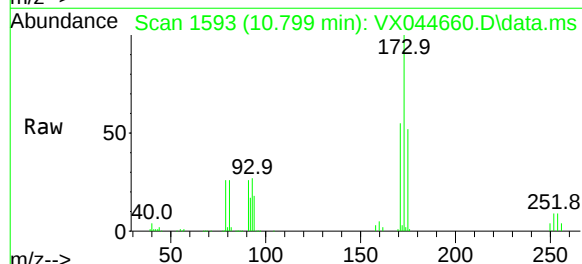
Tgt Ion:173 Resp: 39538

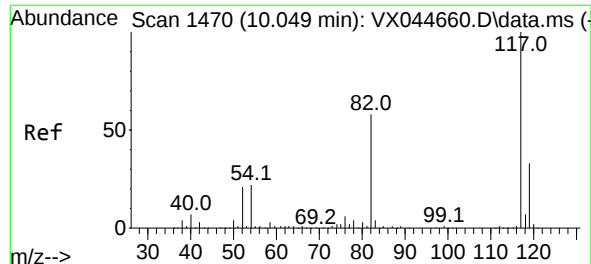
Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

254 8.1 6.5 9.7





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

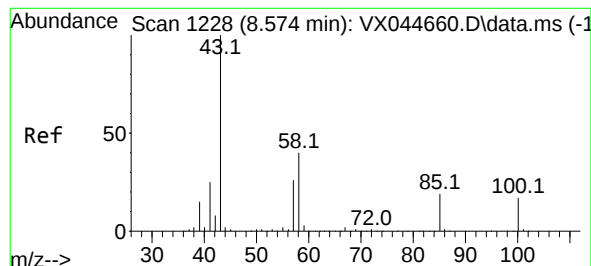
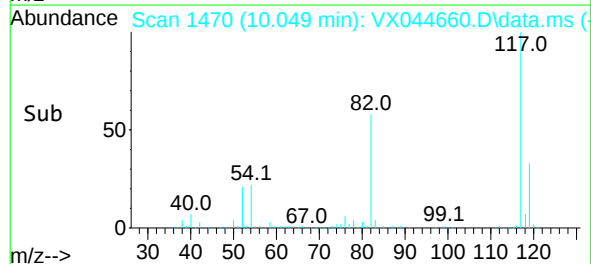
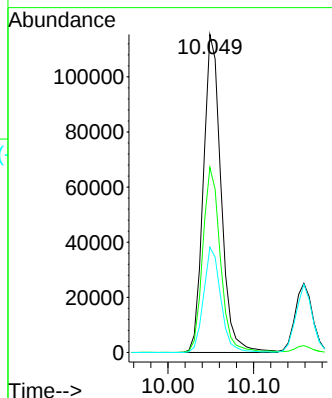
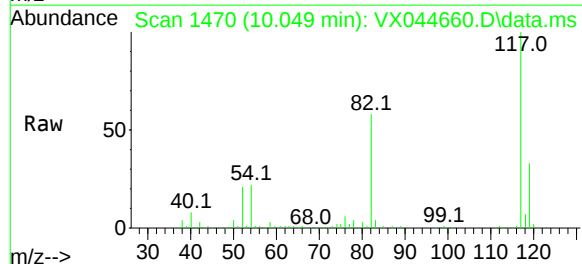
ClientSampleId :

VSTDICCC020

Tgt Ion:	117	Resp:	165841
Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.8	68.6
119	32.2	25.8	38.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#58

4-Methyl-2-Pentanone

Concen: 102.588 ug/l

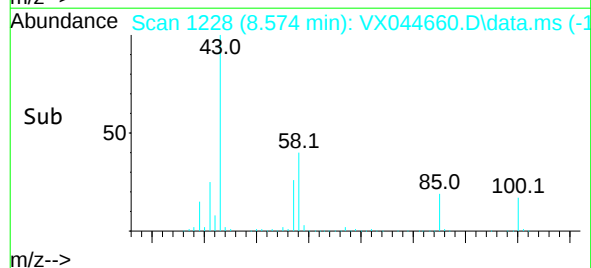
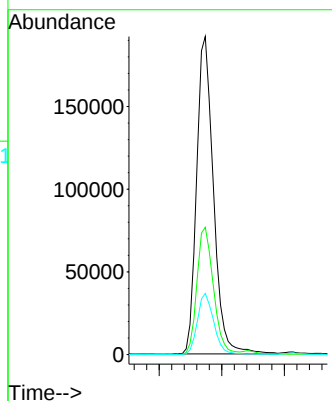
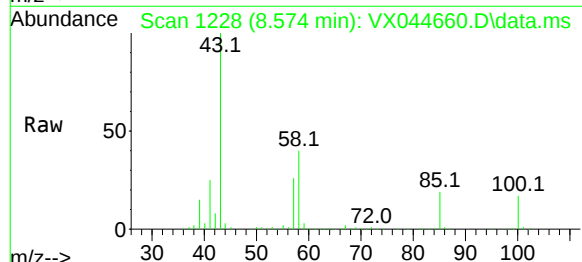
RT: 8.574 min Scan# 1228

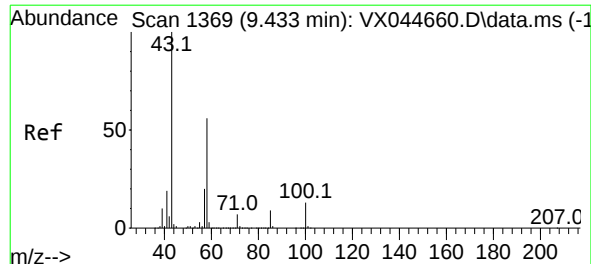
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	43	Resp:	358614
Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.7	47.5
85	18.8	15.0	22.6





#59

2-Hexanone

Concen: 102.292 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

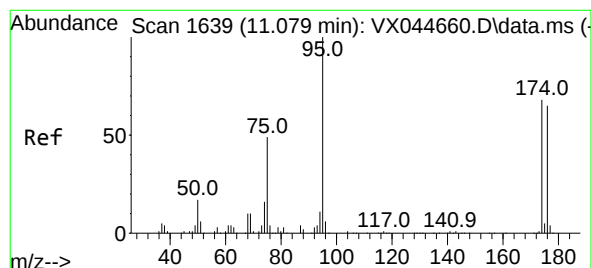
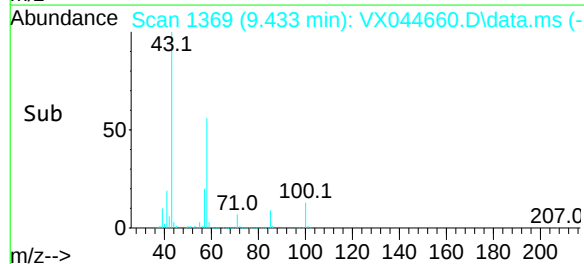
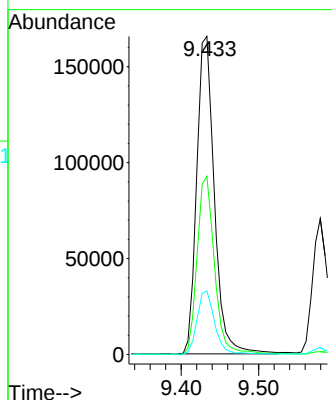
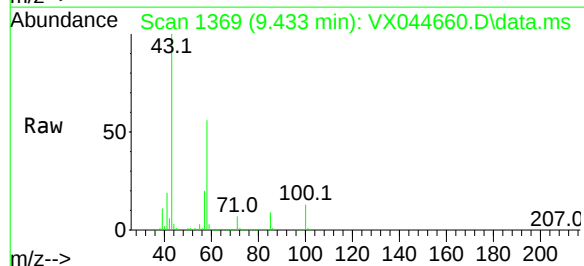
Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:	43	Resp:	261785
Ion	Ratio	Lower	Upper
43	100		
58	55.5	44.4	66.6
57	19.4	15.5	23.3

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#60

4-Bromofluorobenzene

Concen: 29.776 ug/l

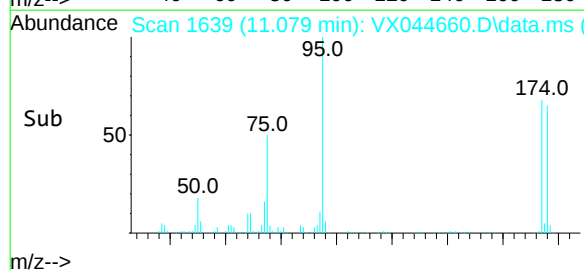
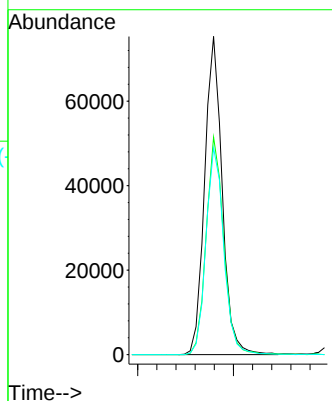
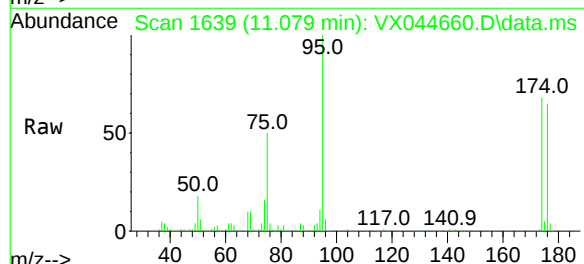
RT: 11.079 min Scan# 1639

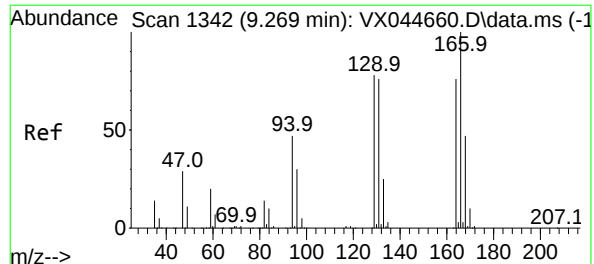
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	95	Resp:	95915
Ion	Ratio	Lower	Upper
95	100		
174	68.2	54.6	81.8
176	66.0	52.8	79.2





#61

Tetrachloroethene

Concen: 19.466 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:164 Resp: 38724

Ion Ratio Lower Upper

164 100

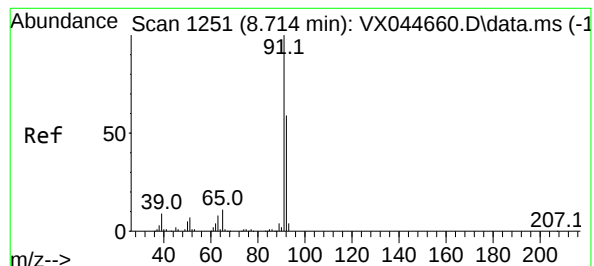
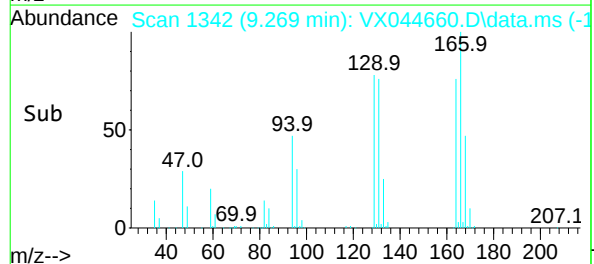
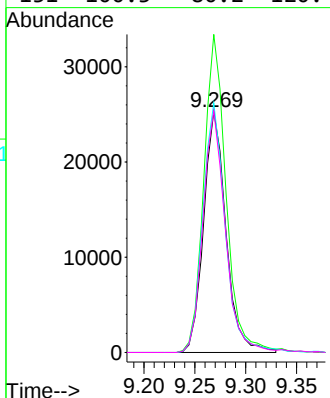
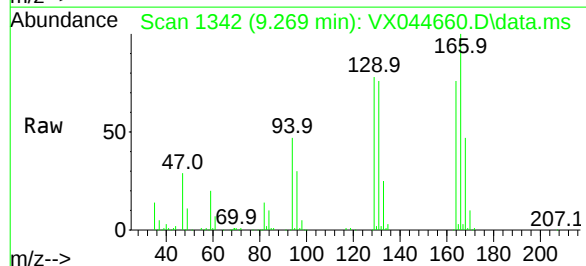
166 132.0 105.6 158.4

129 103.5 82.8 124.2

131 100.3 80.2 120.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#62

Toluene

Concen: 19.970 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044660.D

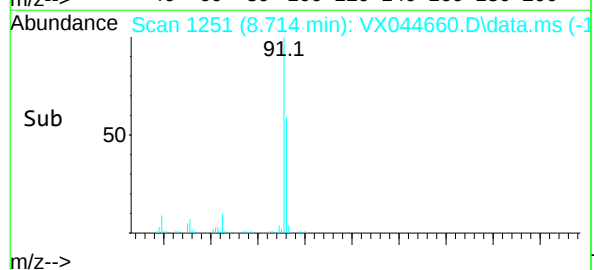
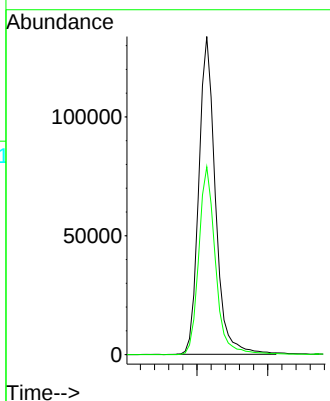
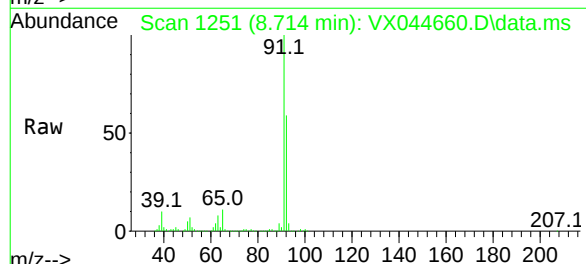
Acq: 16 Jan 2025 09:02

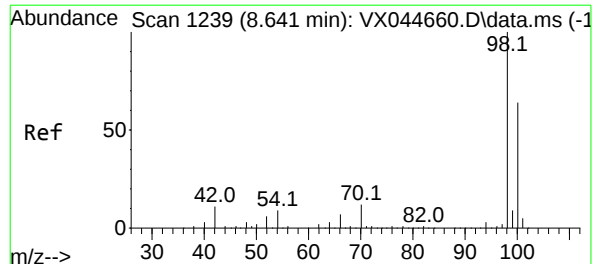
Tgt Ion: 91 Resp: 218070

Ion Ratio Lower Upper

91 100

92 59.1 47.3 70.9





#63

Toluene-d8

Concen: 29.779 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 98 Resp: 268606

Ion Ratio Lower Upper

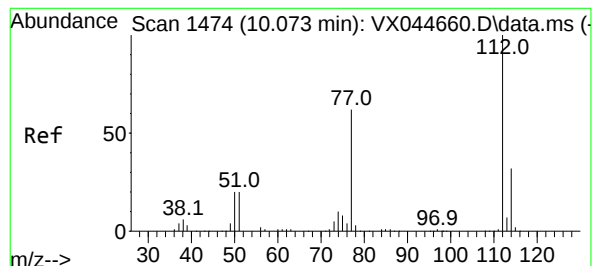
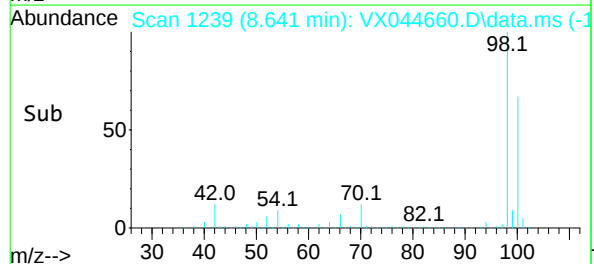
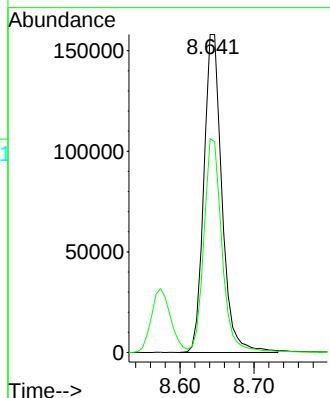
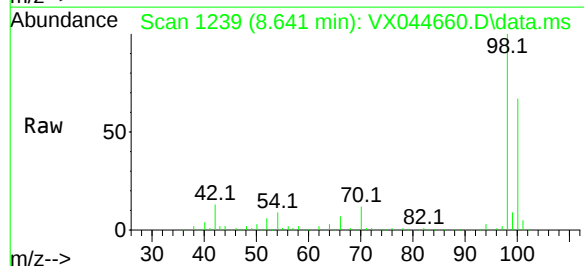
98 100

100 67.0 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#64

Chlorobenzene

Concen: 20.059 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. 0.000 min

Lab File: VX044660.D

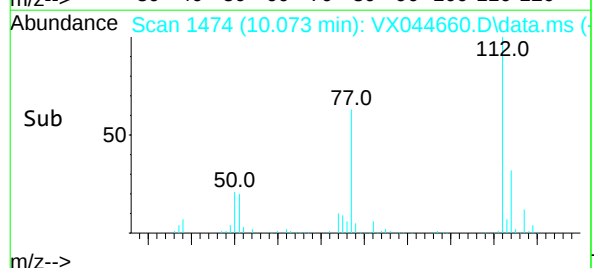
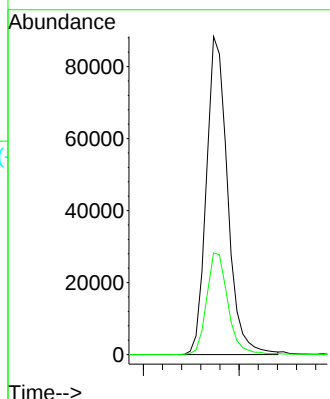
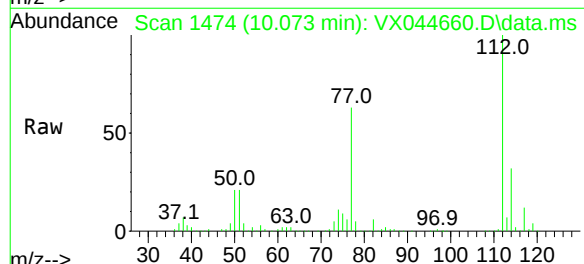
Acq: 16 Jan 2025 09:02

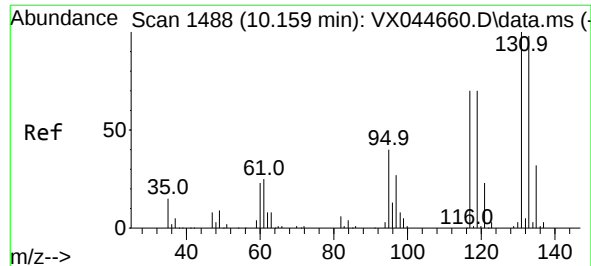
Tgt Ion:112 Resp: 136037

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.207 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

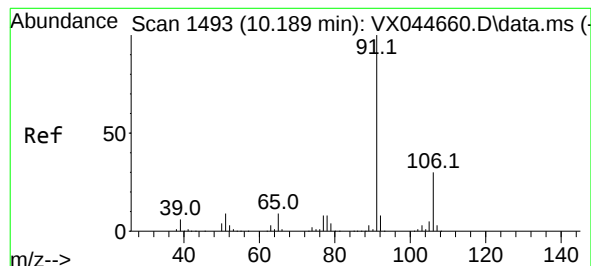
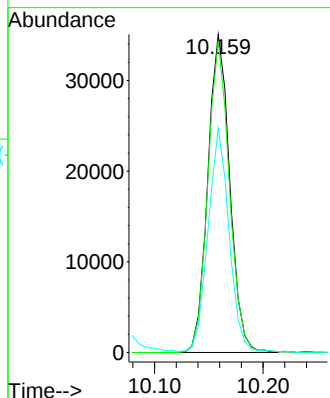
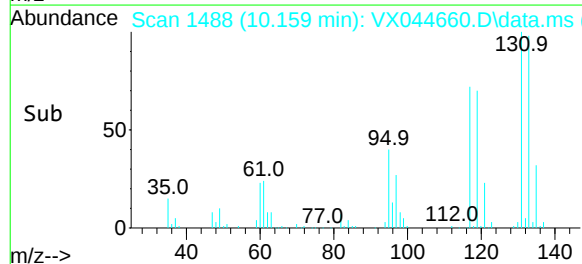
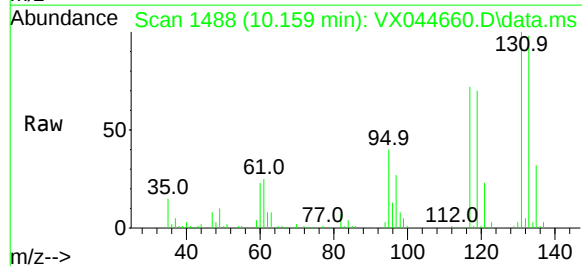
VSTDICCC020

Tgt Ion:	131	Resp:	49228
Ion	Ratio	Lower	Upper
131	100		
133	96.2	0.0	192.4
119	66.7	0.0	133.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#66

Ethyl Benzene

Concen: 20.238 ug/l

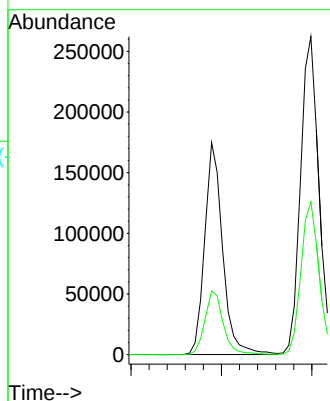
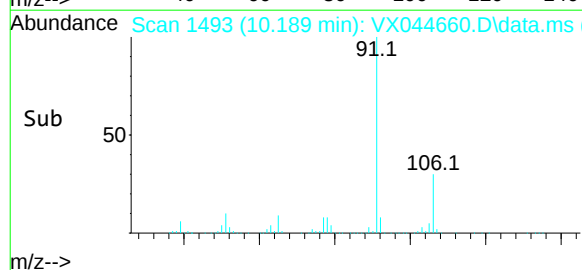
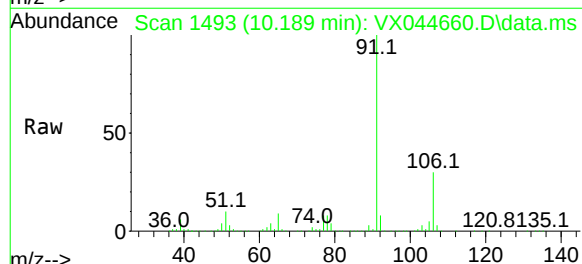
RT: 10.189 min Scan# 1493

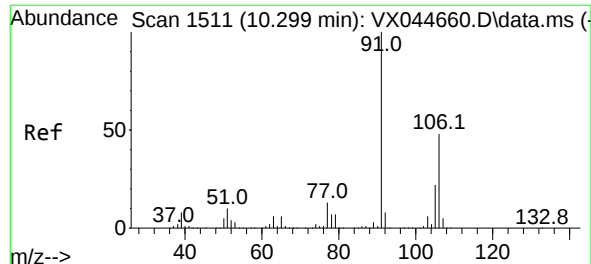
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	91	Resp:	241177
Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.0	36.0





#67

m/p-Xylenes

Concen: 41.233 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:106 Resp: 180626

Ion Ratio Lower Upper

106 100

91 208.5 166.8 250.2

Instrument :

MSVOA_X

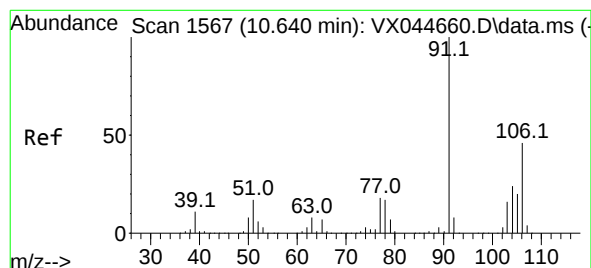
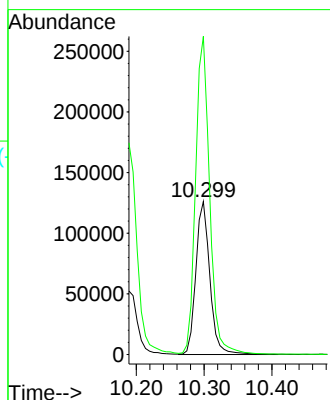
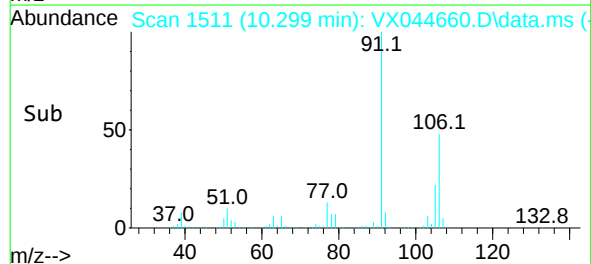
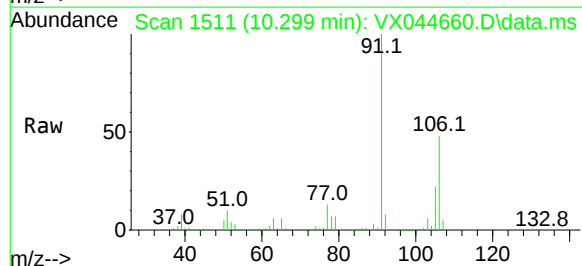
ClientSampleId :

VSTDICCC020

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#68

o-Xylene

Concen: 20.694 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044660.D

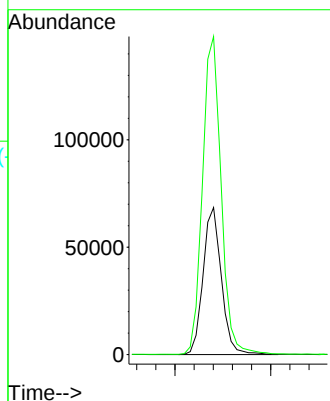
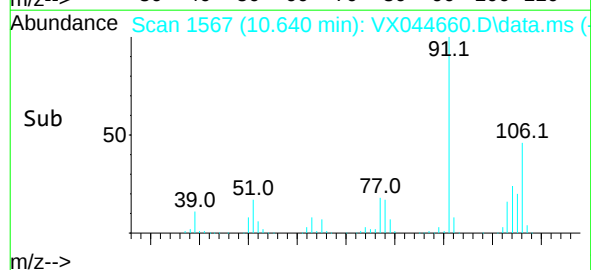
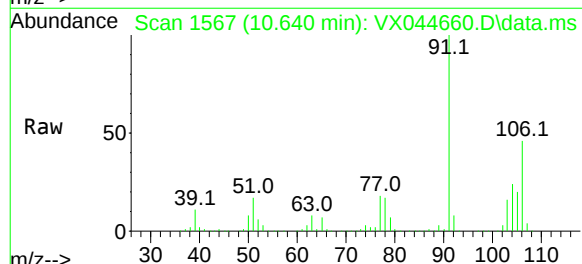
Acq: 16 Jan 2025 09:02

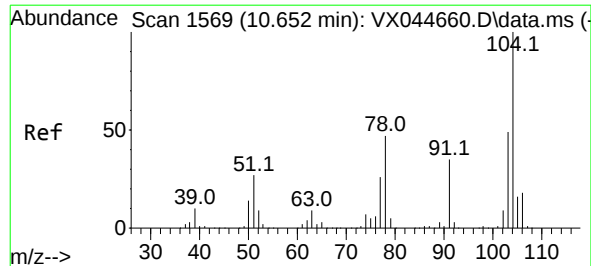
Tgt Ion:106 Resp: 90982

Ion Ratio Lower Upper

106 100

91 219.4 109.7 329.1





#69

Styrene

Concen: 20.793 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

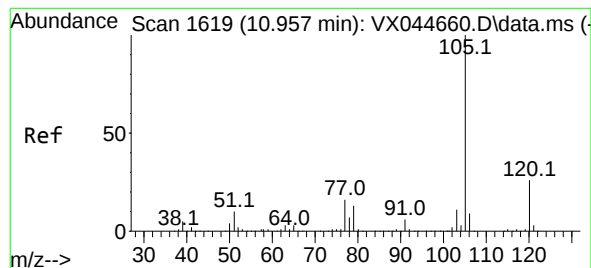
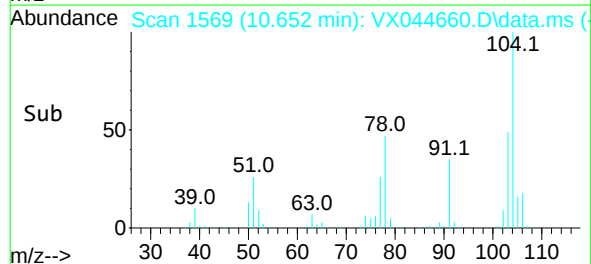
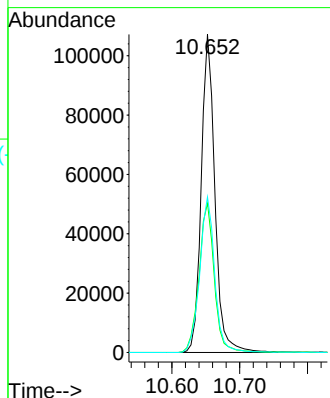
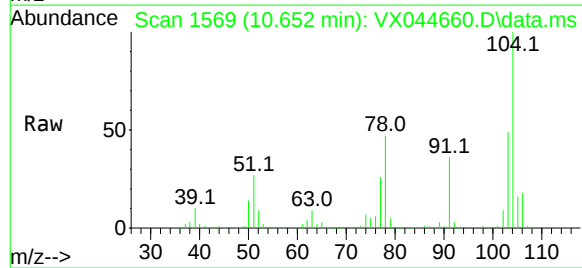
ClientSampleId :

VSTDICCC020

Tgt Ion:	104	Resp:	150095
Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.0	63.0
103	53.9	43.1	64.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#70

Isopropylbenzene

Concen: 20.476 ug/l

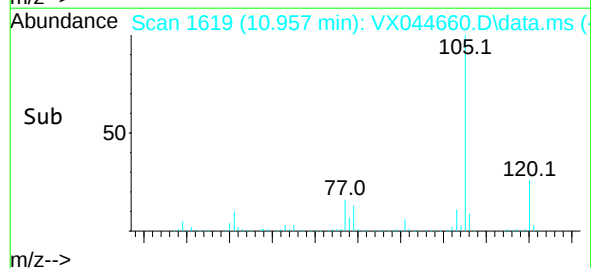
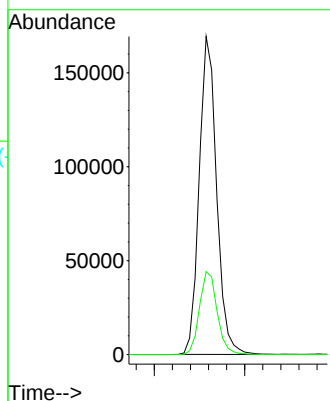
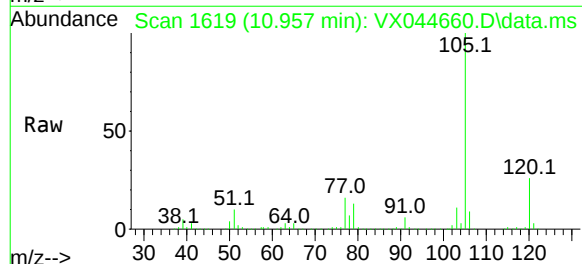
RT: 10.957 min Scan# 1619

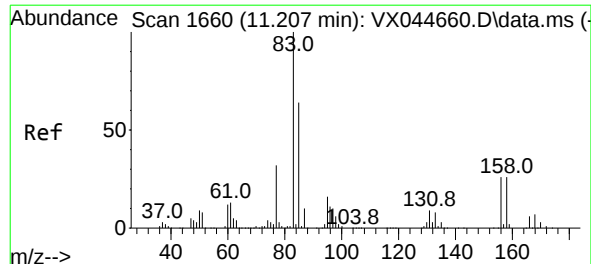
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	105	Resp:	226317
Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 20.326 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

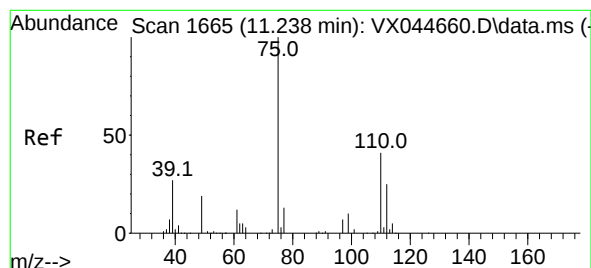
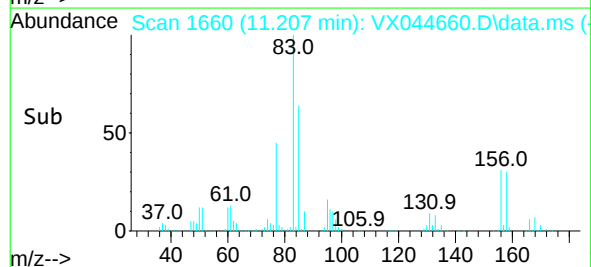
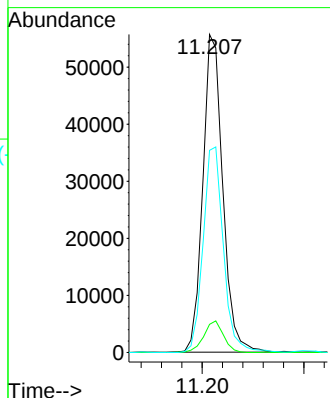
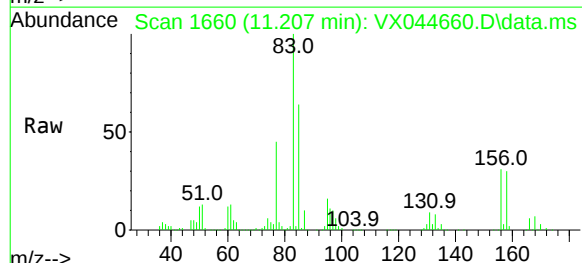
ClientSampleId :

VSTDICCC020

Tgt Ion:	83	Resp:	75650
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	66.0	33.0	99.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#72

1,2,3-Trichloropropane

Concen: 20.597 ug/l m

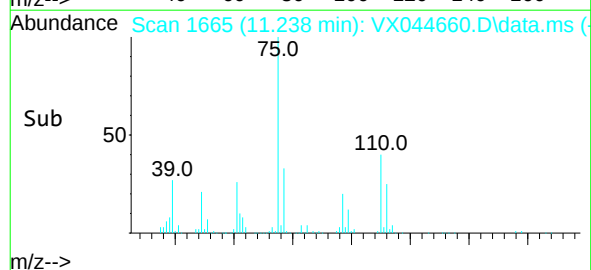
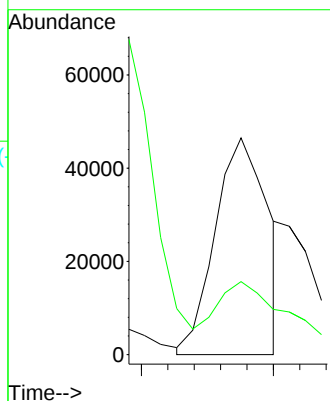
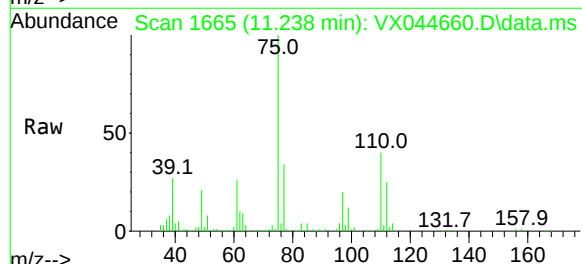
RT: 11.238 min Scan# 1665

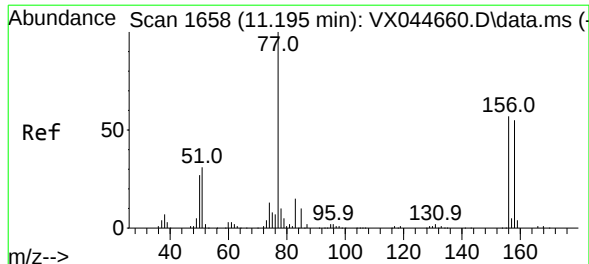
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	75	Resp:	64385
Ion	Ratio	Lower	Upper
75	100		
77	41.5	0.0	83.0





#73

Bromobenzene

Concen: 20.435 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

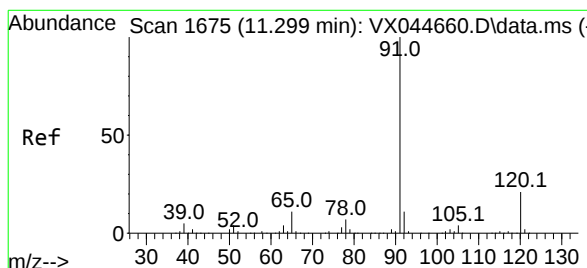
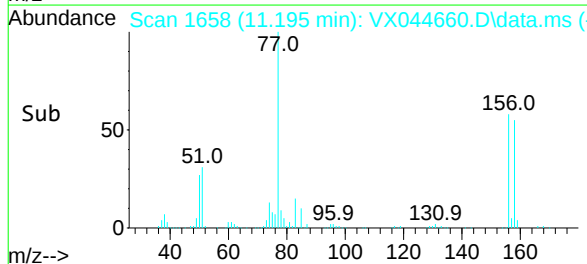
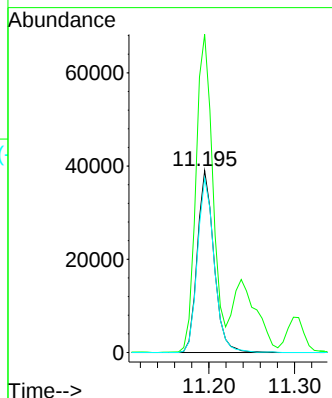
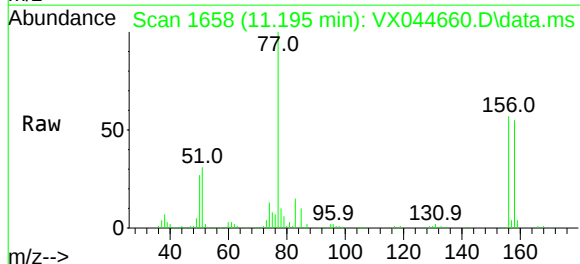
ClientSampleId :

VSTDICCC020

Tgt Ion:	156	Resp:	52618
Ion	Ratio	Lower	Upper
156	100		
77	177.3	0.0	354.6
158	96.8	0.0	193.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#74

n-propylbenzene

Concen: 20.339 ug/l

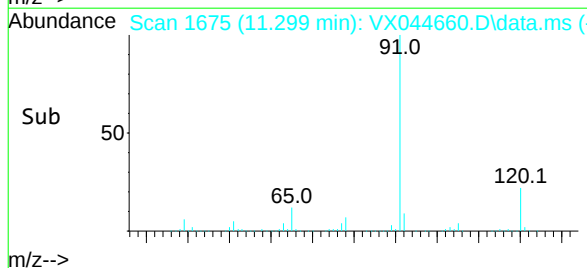
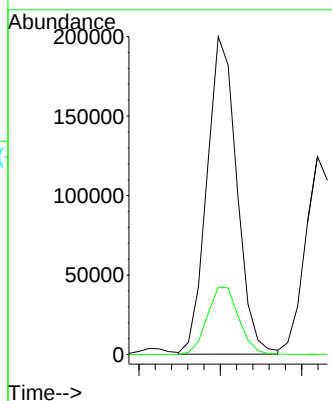
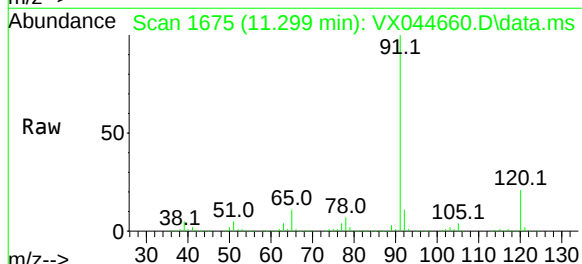
RT: 11.299 min Scan# 1675

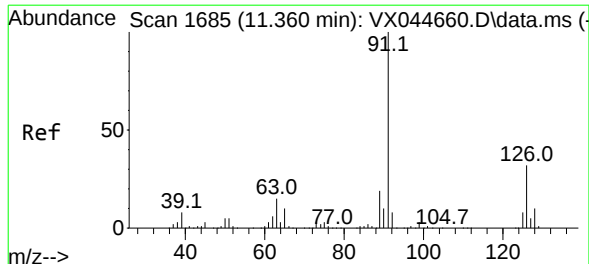
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	91	Resp:	255513
Ion	Ratio	Lower	Upper
91	100		
120	22.5	0.0	45.0





#75

2-Chlorotoluene

Concen: 20.573 ug/l

RT: 11.360 min Scan# 16

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion: 91 Resp: 162457

Ion Ratio Lower Upper

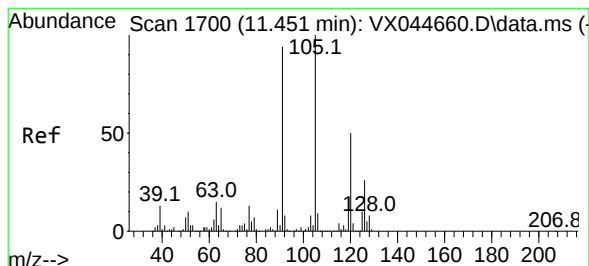
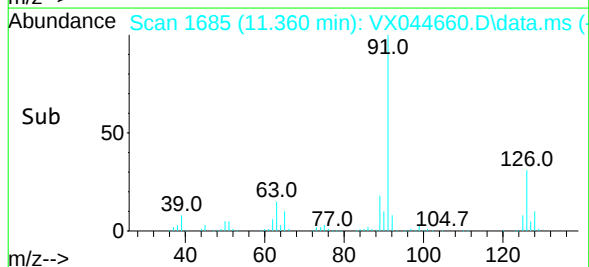
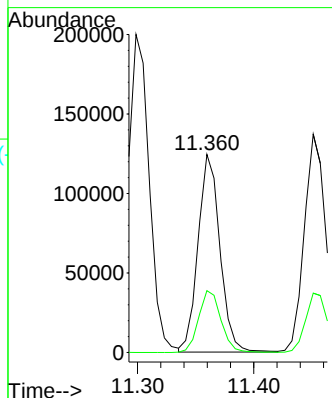
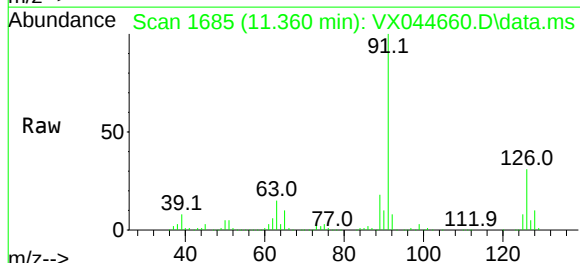
91 100

126 32.0 0.0 64.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#76

1,3,5-Trimethylbenzene

Concen: 20.653 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044660.D

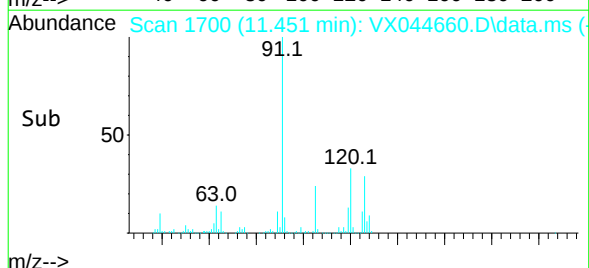
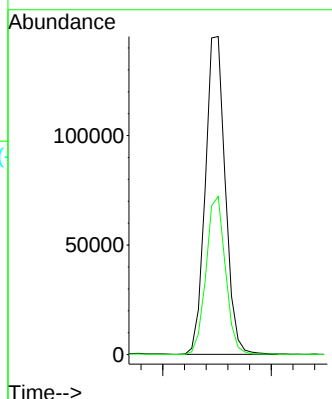
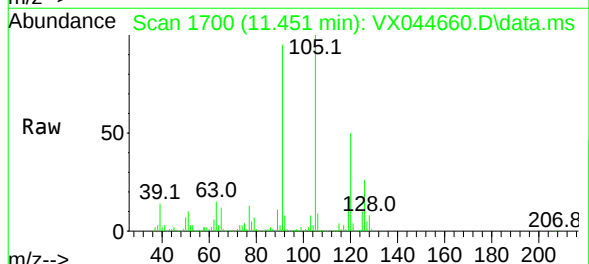
Acq: 16 Jan 2025 09:02

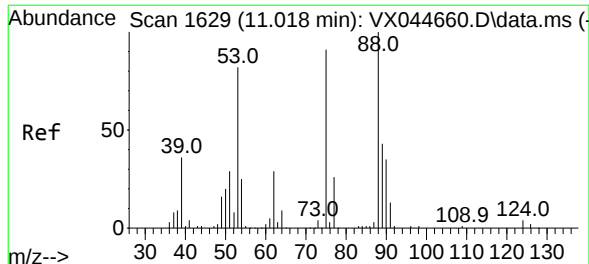
Tgt Ion:105 Resp: 185378

Ion Ratio Lower Upper

105 100

120 48.4 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 19.959 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

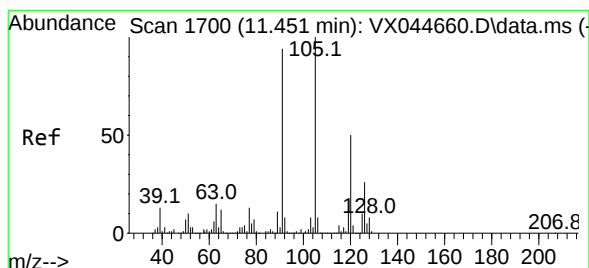
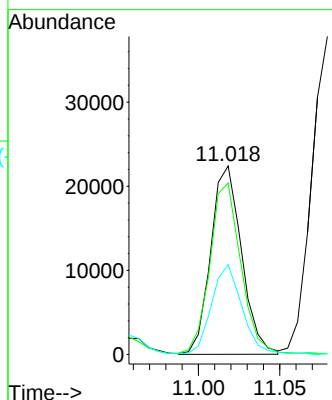
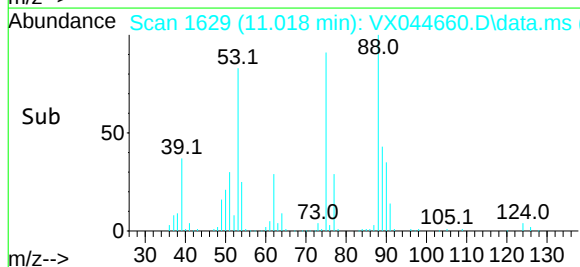
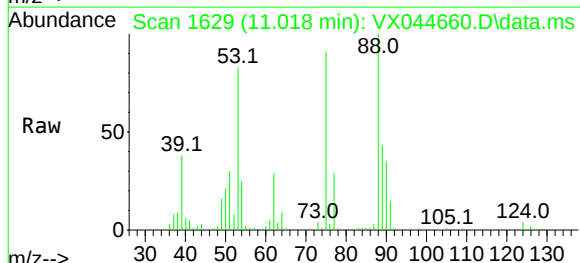
Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:	75	Resp:	29516
Ion	Ratio	Lower	Upper
75	100		
53	90.6	45.3	135.9
89	47.5	23.8	71.2

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#78

4-Chlorotoluene

Concen: 20.455 ug/l

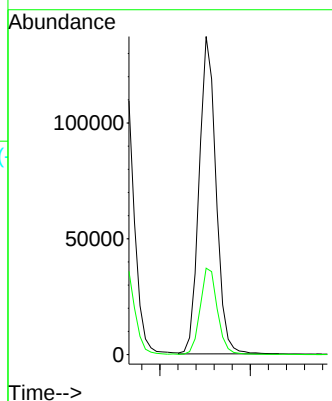
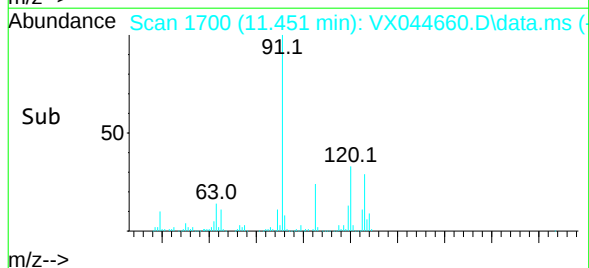
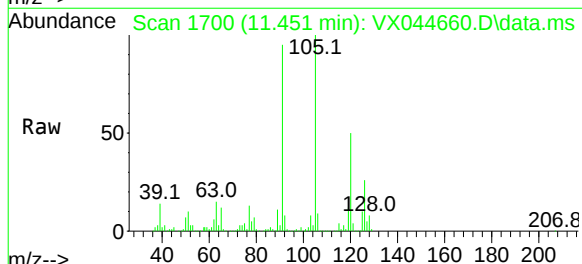
RT: 11.451 min Scan# 1700

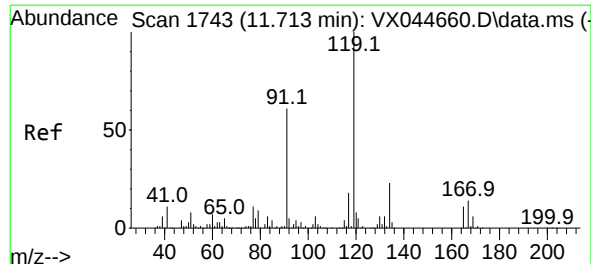
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	91	Resp:	177891
Ion	Ratio	Lower	Upper
91	100		
126	27.7	0.0	55.4





#79

tert-butylbenzene

Concen: 20.745 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

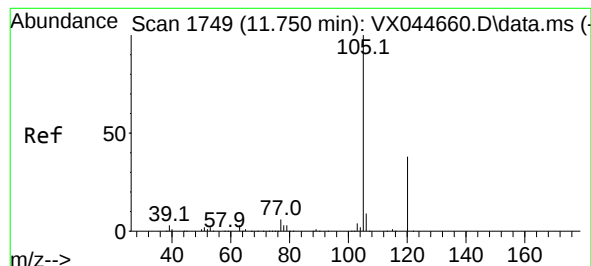
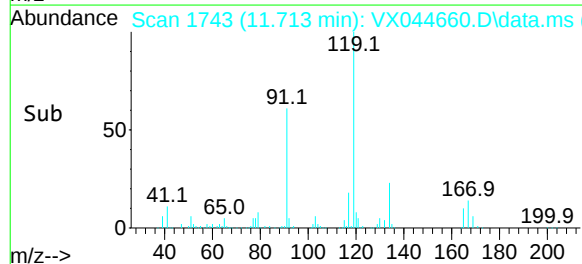
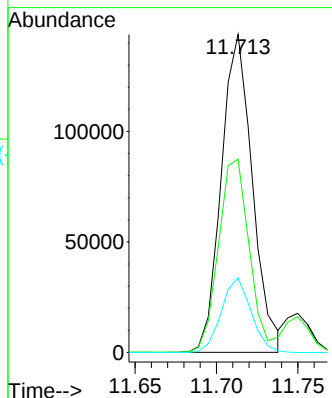
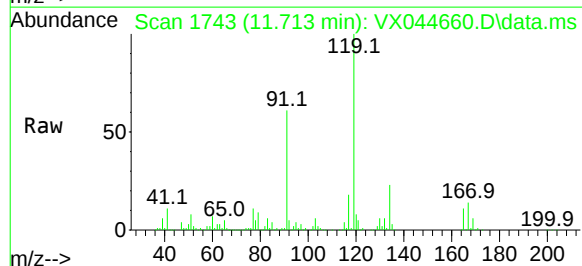
ClientSampleId :

VSTDICCC020

Tgt Ion:	119	Resp:	191290
Ion	Ratio	Lower	Upper
119	100		
91	59.5	0.0	119.0
134	22.4	0.0	44.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#80

1,2,4-Trimethylbenzene

Concen: 20.623 ug/l

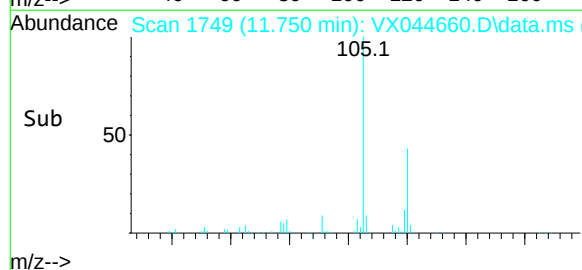
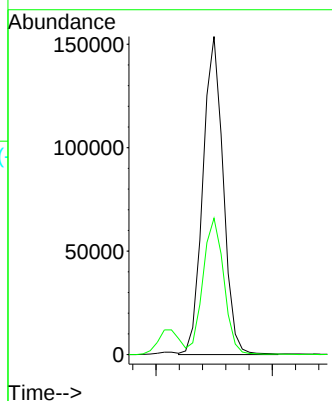
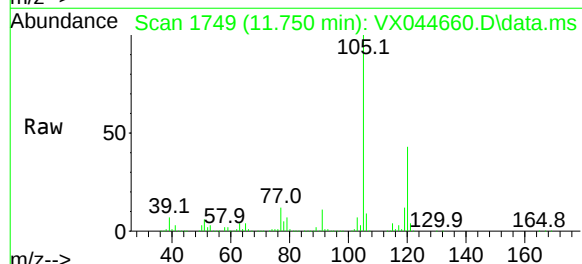
RT: 11.750 min Scan# 1749

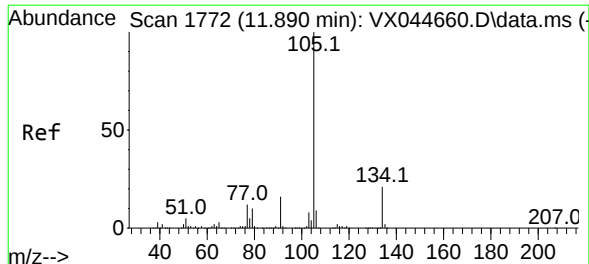
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	105	Resp:	186763
Ion	Ratio	Lower	Upper
105	100		
120	44.2	0.0	88.4





#81

sec-Butylbenzene

Concen: 20.434 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:105 Resp: 224992

Ion Ratio Lower Upper

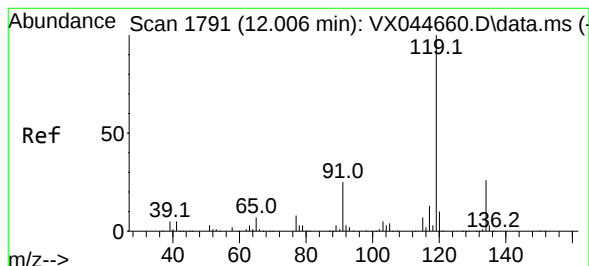
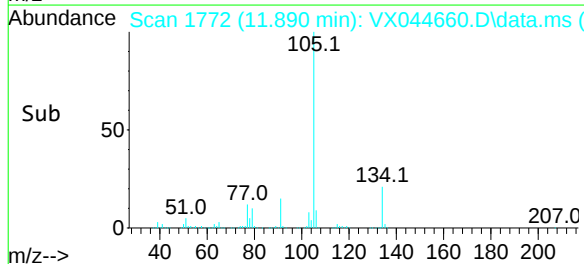
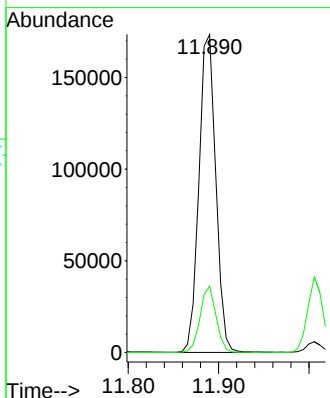
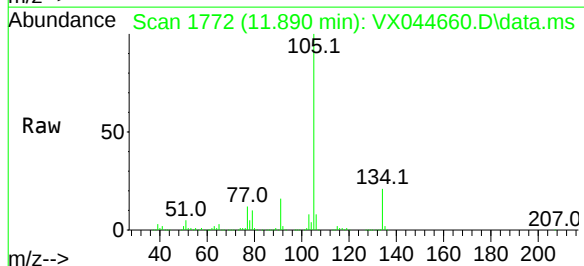
105 100

134 19.8 0.0 39.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#82

p-Isopropyltoluene

Concen: 20.537 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

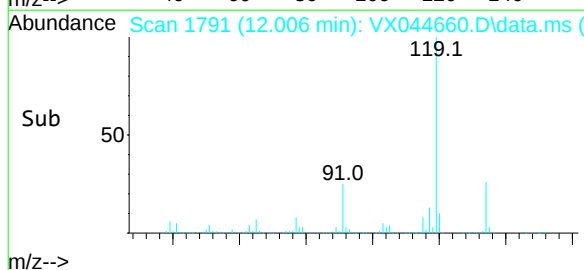
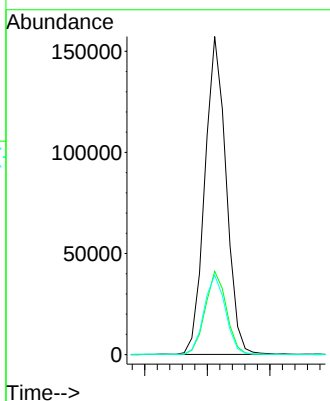
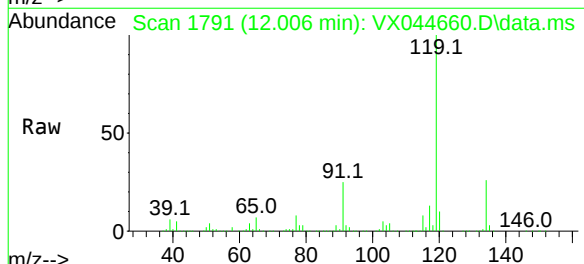
Tgt Ion:119 Resp: 186107

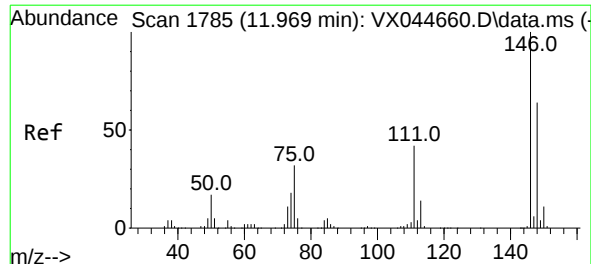
Ion Ratio Lower Upper

119 100

134 26.1 0.0 52.2

91 25.1 0.0 50.2





#83

1,3-Dichlorobenzene

Concen: 20.330 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:146 Resp: 92976

Ion Ratio Lower Upper

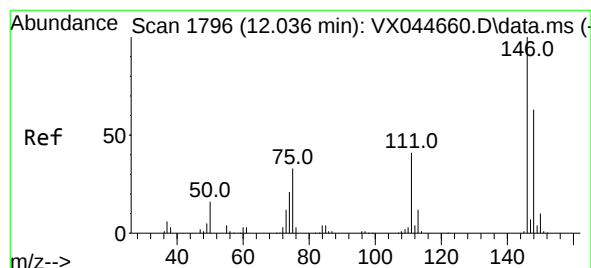
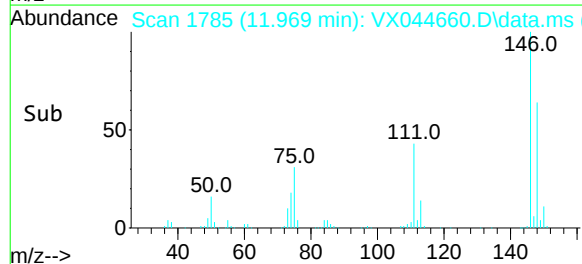
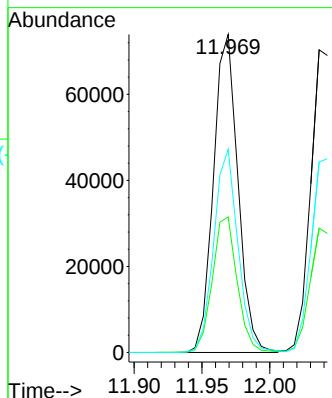
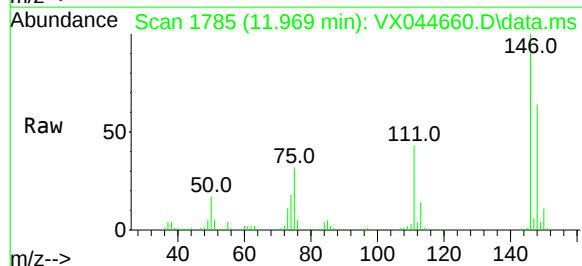
146 100

111 43.1 21.6 64.6

148 63.1 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#84

1,4-Dichlorobenzene

Concen: 20.540 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

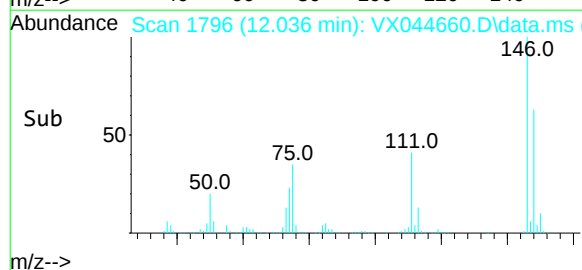
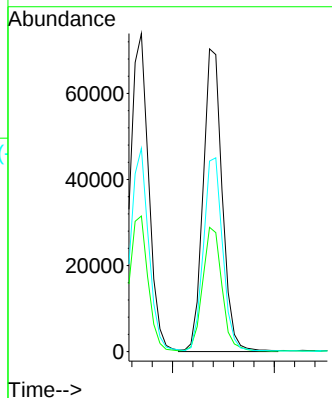
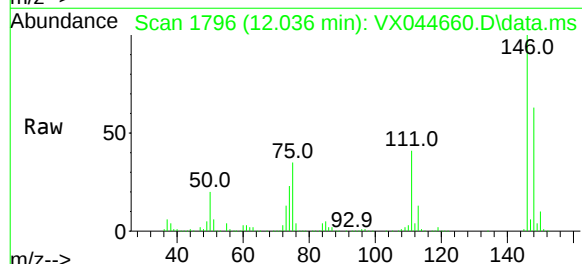
Tgt Ion:146 Resp: 92092

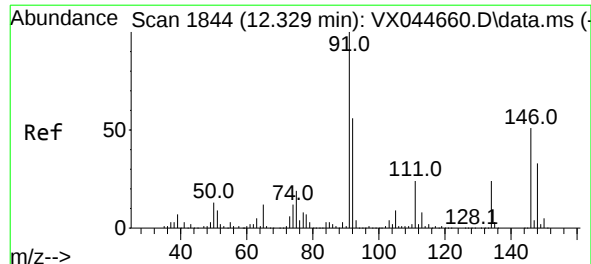
Ion Ratio Lower Upper

146 100

111 41.7 20.8 62.5

148 64.3 32.1 96.5





#85

n-Butylbenzene

Concen: 19.973 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044660.D

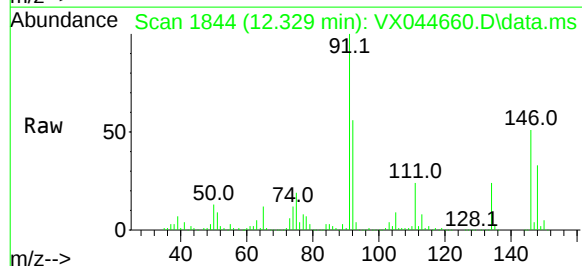
Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020



Tgt Ion: 91 Resp: 156896

Ion Ratio Lower Upper

91 100

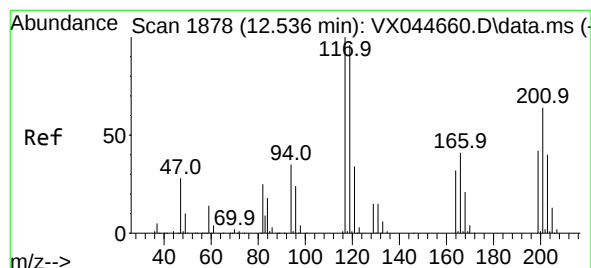
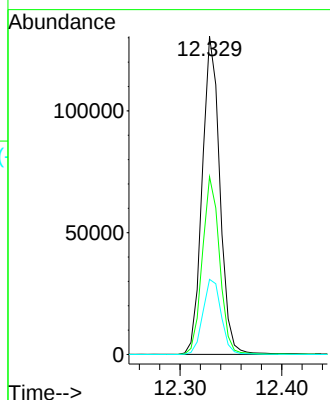
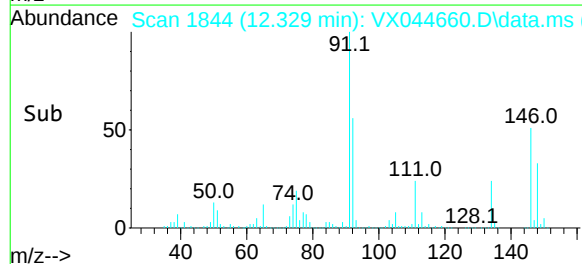
92 54.7 0.0 109.4

134 24.6 0.0 49.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#86

Hexachloroethane

Concen: 19.941 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044660.D

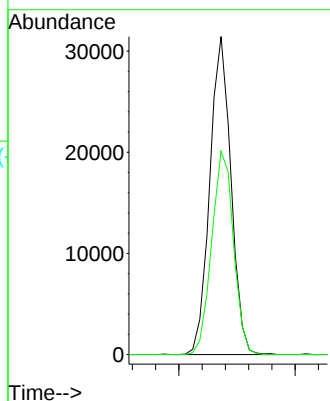
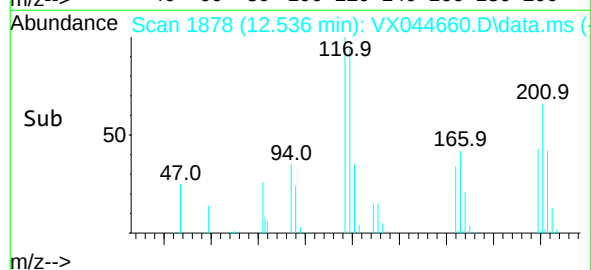
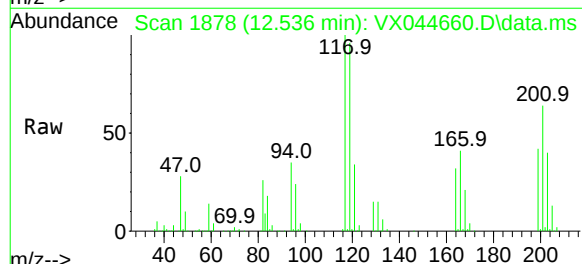
Acq: 16 Jan 2025 09:02

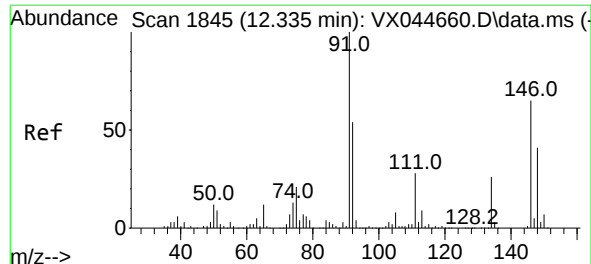
Tgt Ion:117 Resp: 39754

Ion Ratio Lower Upper

117 100

201 65.9 33.0 98.9





#87

1,2-Dichlorobenzene

Concen: 20.614 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

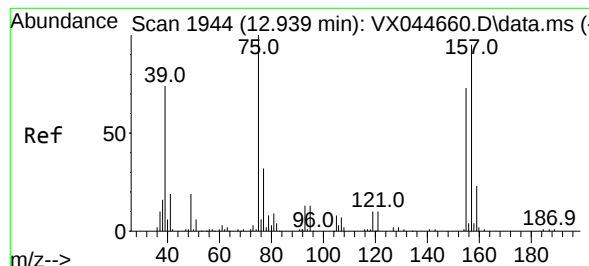
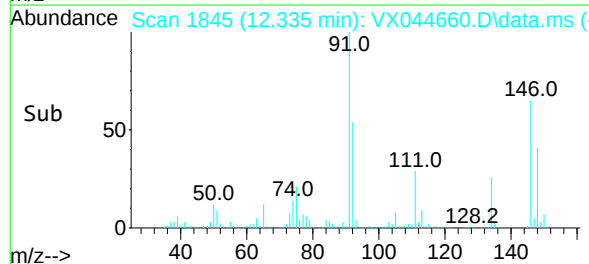
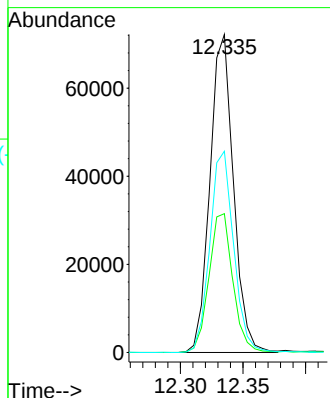
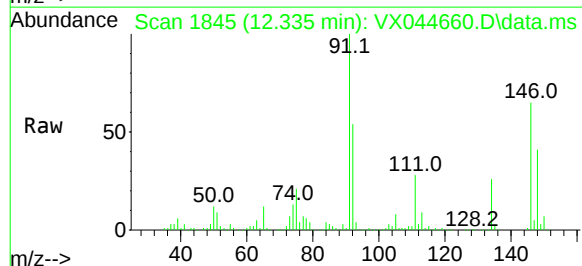
ClientSampleId :

VSTDICCC020

Tgt Ion:	146	Resp:	94144
Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.2	66.6
148	64.2	32.1	96.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.597 ug/l

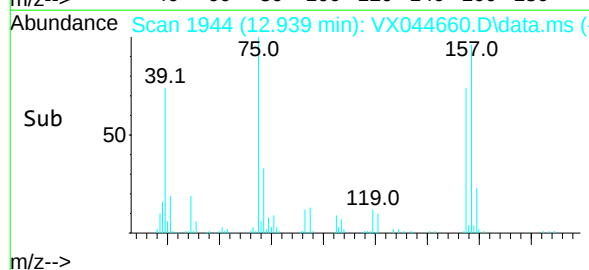
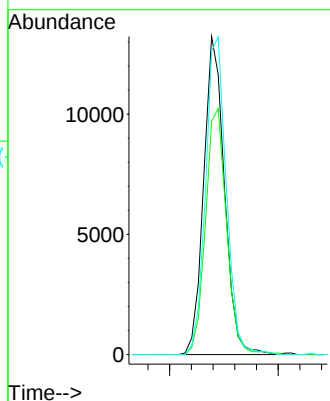
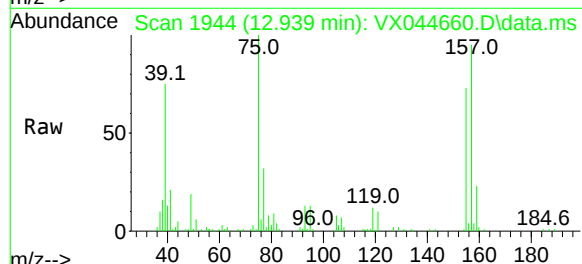
RT: 12.939 min Scan# 1944

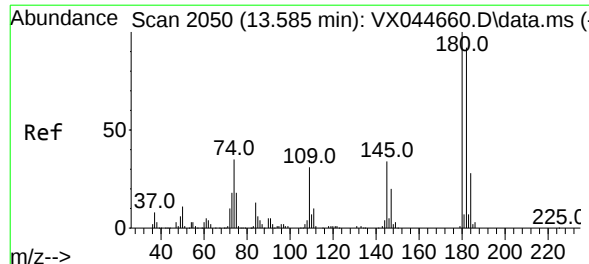
Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	75	Resp:	17538
Ion	Ratio	Lower	Upper
75	100		
155	77.9	62.3	93.5
157	99.9	79.9	119.9





#89

1,2,4-Trichlorobenzene

Concen: 19.338 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tgt Ion:180 Resp: 54885

Ion Ratio Lower Upper

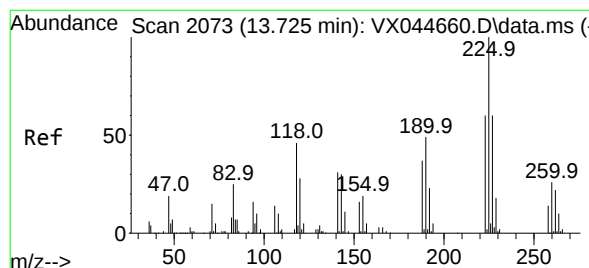
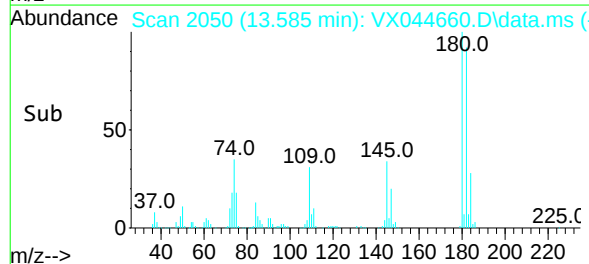
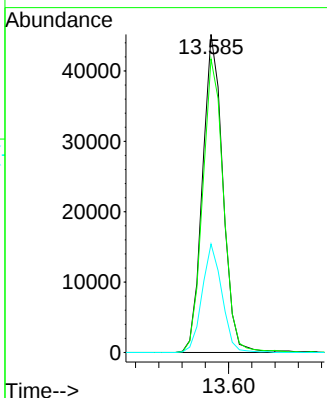
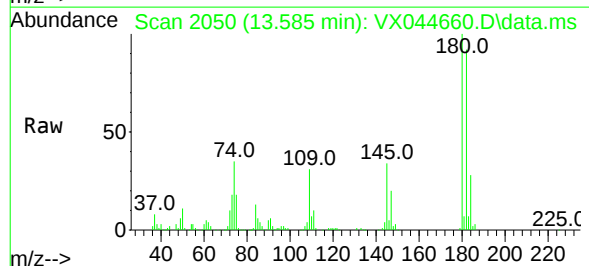
180 100

182 94.5 75.6 113.4

145 33.3 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#90

Hexachlorobutadiene

Concen: 20.036 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

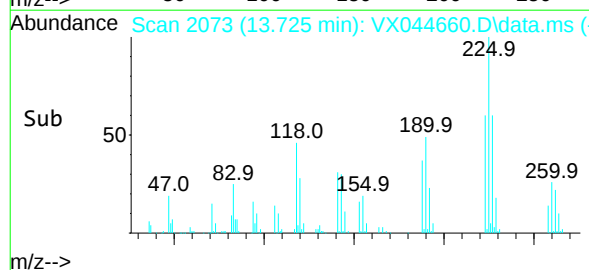
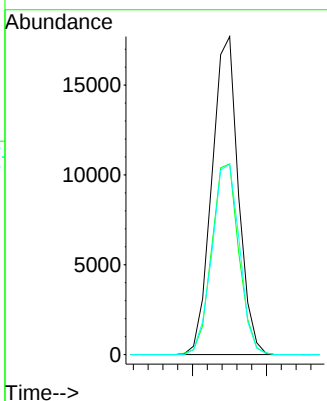
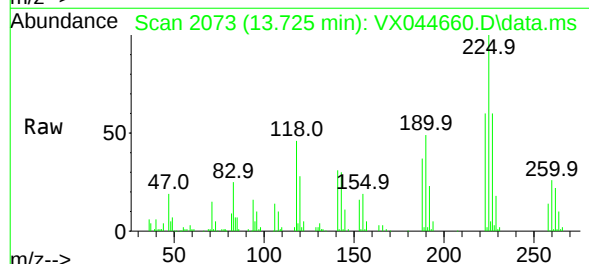
Tgt Ion:225 Resp: 21996

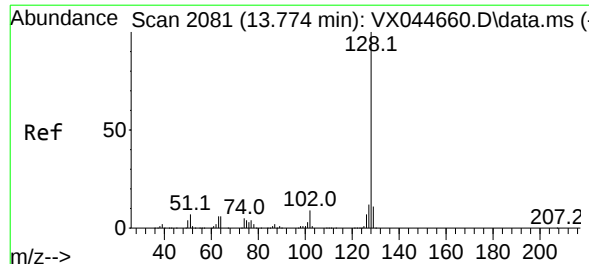
Ion Ratio Lower Upper

225 100

223 61.5 0.0 123.0

227 62.1 0.0 124.2





#91

Naphthalene

Concen: 20.183 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Instrument :

MSVOA_X

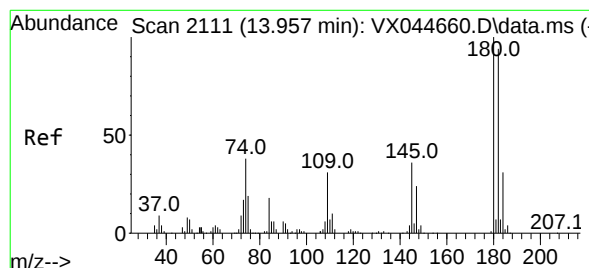
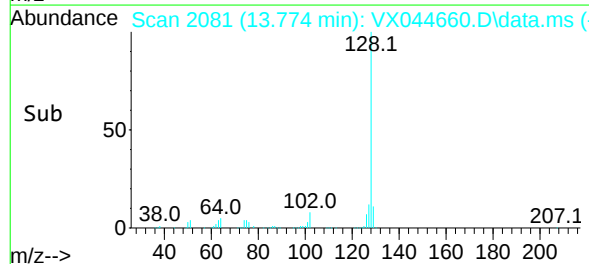
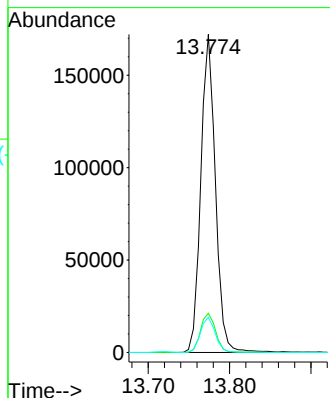
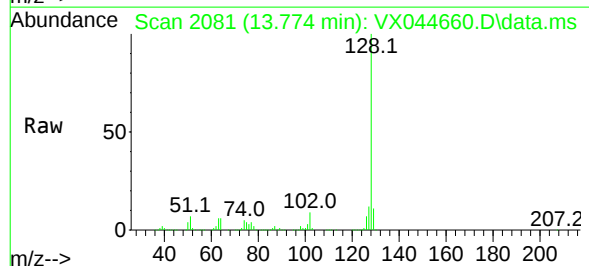
ClientSampleId :

VSTDICCC020

Tgt Ion:	128	Resp:	214309
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.3	9.0	13.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#92

1,2,3-Trichlorobenzene

Concen: 20.127 ug/l

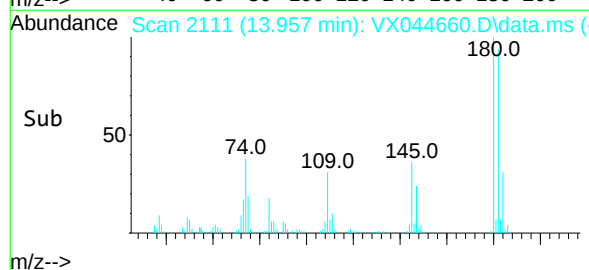
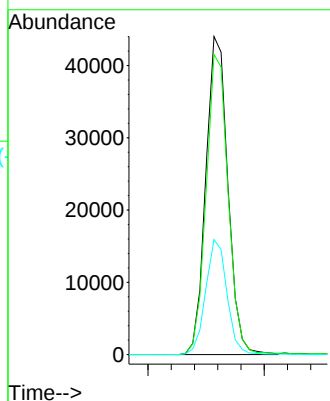
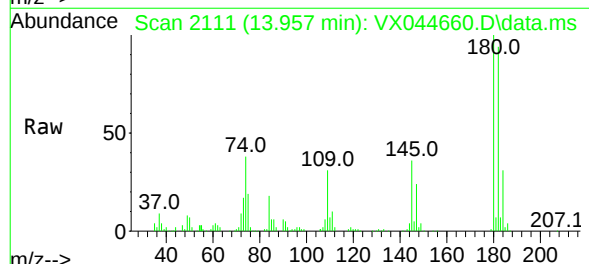
RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044660.D

Acq: 16 Jan 2025 09:02

Tgt Ion:	180	Resp:	58101
Ion	Ratio	Lower	Upper
180	100		
182	93.9	0.0	187.8
145	34.9	0.0	69.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044661.D
 Acq On : 16 Jan 2025 09:25
 Operator :
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC050

Quant Time: Jan 17 01:01:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 00:59:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

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

Internal Standards						
1) Bromochloromethane	4.891	128	31946	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	176401	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	156058	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	92806	30.092	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.300%			
60) 4-Bromofluorobenzene	11.079	95	91788	30.281	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.933%			
63) Toluene-d8	8.647	98	253105	29.819	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	136053	53.031	ug/l	99
3) Chloromethane	1.294	50	147748	49.450	ug/l	98
4) Vinyl Chloride	1.374	62	141110	48.270	ug/l	98
5) Bromomethane	1.593	94	32943	46.667	ug/l	100
6) Chloroethane	1.660	64	23580	49.950	ug/l	98
7) Trichlorofluoromethane	1.867	101	151253	47.245	ug/l	100
8) Diethyl Ether	2.136	74	59325	48.034	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	106998	46.650	ug/l	99
10) 1,1-Dichloroethene	2.306	96	112301	47.590	ug/l	94
11) Methyl Iodide	2.441	142	163230	49.919	ug/l	98
12) Methyl Acetate	2.703	43	170946	49.623	ug/l	100
13) Acrolein	2.233	56	86575	227.272	ug/l	99
14) Acrylonitrile	3.062	53	309583	246.621	ug/l	100
15) Acetone	2.386	58	81812	242.884	ug/l	94
16) Carbon Disulfide	2.501	76	320132	48.818	ug/l	100
17) Allyl chloride	2.654	41	209402	49.209	ug/l	99
18) Methylene Chloride	2.782	84	129192	48.907	ug/l	99
19) trans-1,2-Dichloroethene	3.081	96	114074	48.618	ug/l	98
20) Diisopropyl ether	3.757	45	379943	49.191	ug/l	97
21) 1,1-Dichloroethane	3.605	63	225092	49.127	ug/l	97
22) cis-1,2-Dichloroethene	4.477	96	141413	48.695	ug/l	98
23) tert-Butyl Alcohol	2.977	59	144322m	265.008	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	396412	48.485	ug/l	99
25) Chloroform	5.086	83	222532	48.880	ug/l	96
26) Cyclohexane	5.458	56	180292	46.819	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	148511	48.402	ug/l	99
30) 2-Butanone	4.556	43	419491	248.886	ug/l	99
31) 2,2-Dichloropropane	4.465	77	203849	48.011	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	195383	48.051	ug/l	99
33) Carbon Tetrachloride	5.672	117	164089	47.839	ug/l	98
34) Benzene	6.031	78	480821	49.118	ug/l	99
35) Methacrylonitrile	4.916	41	93262	49.509	ug/l	98
36) 1,2-Dichloroethane	6.080	62	170346	48.671	ug/l	99
37) Trichloroethene	7.116	130	115805	48.998	ug/l	95
38) Methylcyclohexane	7.373	83	196645	47.170	ug/l	99
39) 1,2-Dichloropropane	7.427	63	121901	49.937	ug/l	97
40) Dibromomethane	7.574	93	88733	48.894	ug/l	99
41) Bromodichloromethane	7.818	83	184753	49.303	ug/l	99
42) Vinyl Acetate	3.715	43	1646712	246.012	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044661.D
 Acq On : 16 Jan 2025 09:25
 Operator :
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:01:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 00:59:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	162349	49.103	ug/l #	94
44) Isopropyl Acetate	6.336	43	293976	49.493	ug/l	98
45) 1,4-Dioxane	7.671	88	56732	1003.041	ug/l	98
46) Methyl methacrylate	7.690	41	145468	50.033	ug/l	99
47) n-amyl Acetate	10.841	43	248981	49.948	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	198307	50.138	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	211446	49.856	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	117115	50.024	ug/l	97
51) Ethyl methacrylate	9.116	69	206891	50.954	ug/l	99
52) 1,3-Dichloropropane	9.305	76	199192	49.275	ug/l	98
53) Dibromochloromethane	9.518	129	137982	49.404	ug/l	98
54) 1,2-Dibromoethane	9.604	107	122664	49.646	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	496129	252.154	ug/l	100
56) Bromoform	10.799	173	92355	49.868	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	804113	244.450	ug/l	99
59) 2-Hexanone	9.433	43	586563	243.566	ug/l	99
61) Tetrachloroethene	9.269	164	90750	48.479	ug/l	98
62) Toluene	8.714	91	503289	48.978	ug/l	98
64) Chlorobenzene	10.073	112	316113	49.533	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	112521	49.083	ug/l	99
66) Ethyl Benzene	10.189	91	552973	49.310	ug/l	99
67) m/p-Xylenes	10.299	106	405714	98.422	ug/l	99
68) o-Xylene	10.640	106	204604	49.454	ug/l	100
69) Styrene	10.652	104	335834	49.440	ug/l	100
70) Isopropylbenzene	10.957	105	505061	48.560	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	168965	48.244	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	145534m	49.476	ug/l	
73) Bromobenzene	11.195	156	119195	49.194	ug/l	99
74) n-propylbenzene	11.299	91	581862	49.219	ug/l	100
75) 2-Chlorotoluene	11.360	91	364136	49.004	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	416769	49.342	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	67311	48.369	ug/l	97
78) 4-Chlorotoluene	11.451	91	403646	49.323	ug/l	100
79) tert-butylbenzene	11.713	119	422625	48.705	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	416772	48.906	ug/l	99
81) sec-Butylbenzene	11.890	105	506286	48.863	ug/l	100
82) p-Isopropyltoluene	12.006	119	416615	48.855	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	213035	49.501	ug/l	100
84) 1,4-Dichlorobenzene	12.036	146	207367	49.151	ug/l	100
85) n-Butylbenzene	12.329	91	365981	49.510	ug/l	98
86) Hexachloroethane	12.536	117	89957	47.953	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	212294	49.399	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	39899	47.378	ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	131622	49.284	ug/l	99
90) Hexachlorobutadiene	13.725	225	49464	47.882	ug/l	98
91) Naphthalene	13.774	128	495557	49.597	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	134623	49.560	ug/l	99

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

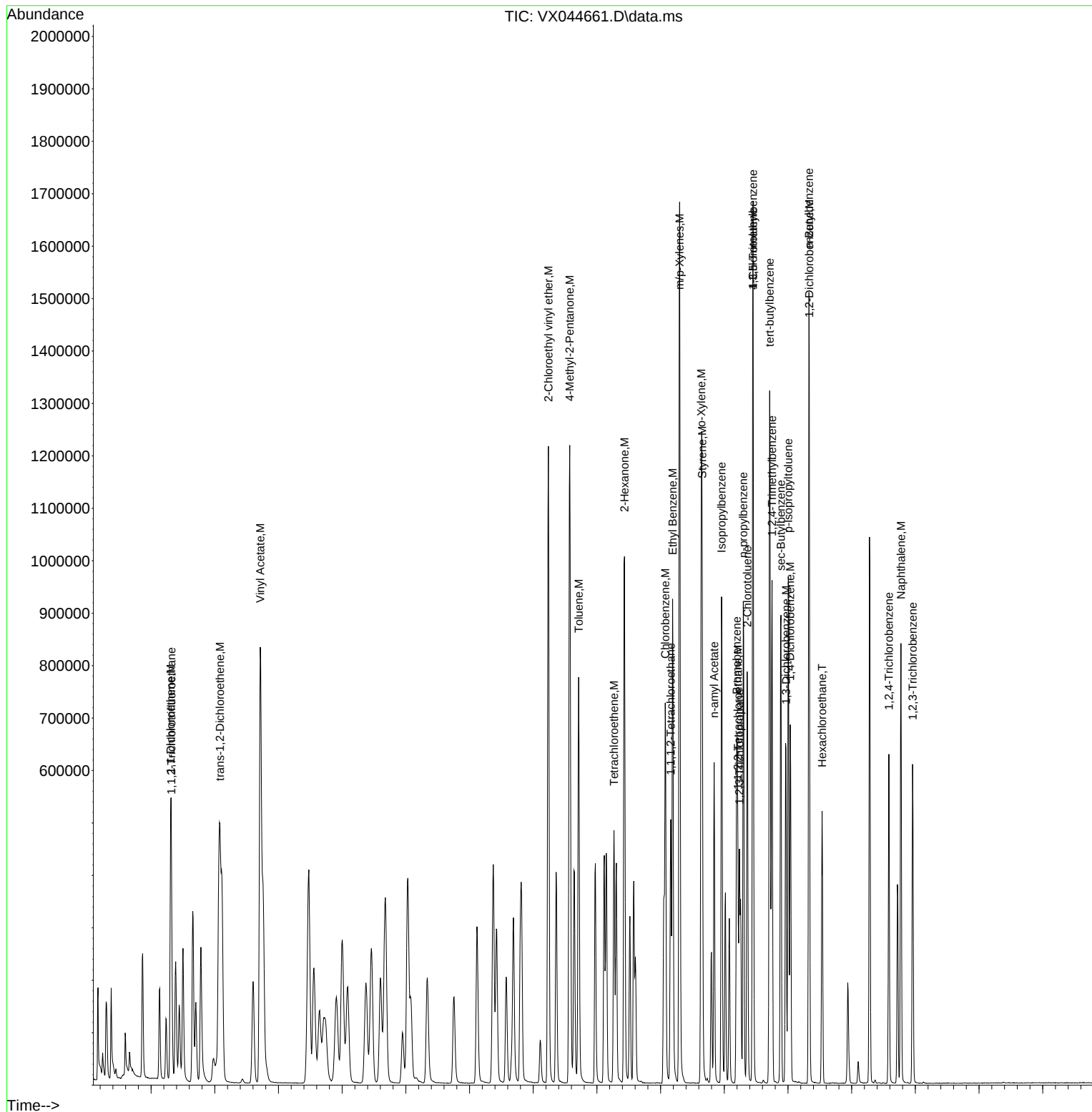
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Data File : VX044661.D
Acq On : 16 Jan 2025 09:25
Operator :
Sample : VSTDIC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

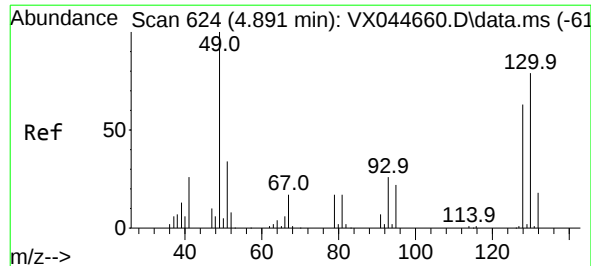
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:01:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration





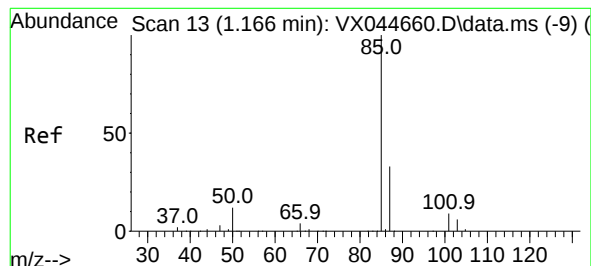
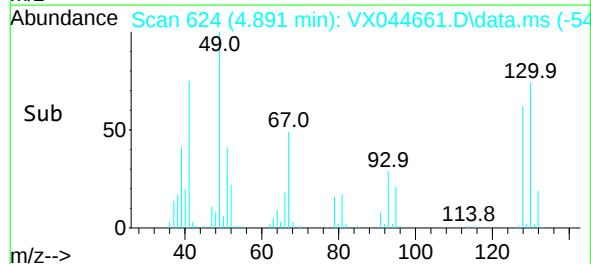
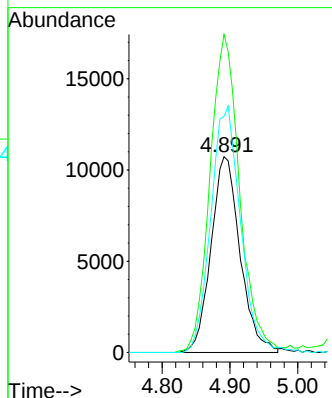
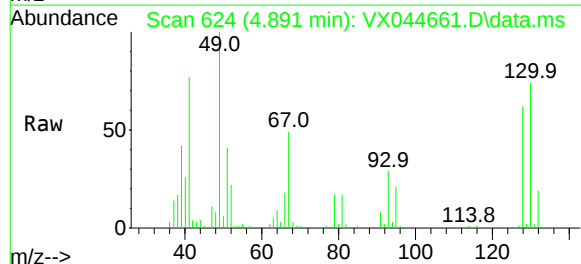
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 62
Delta R.T. 0.000 min
Lab File: VX044661.D
Acq: 16 Jan 2025 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Tgt Ion:128 Resp: 31946
Ion Ratio Lower Upper
128 100
49 165.2 0.0 411.5
130 128.0 0.0 324.3

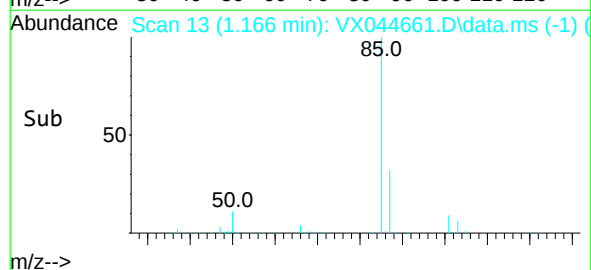
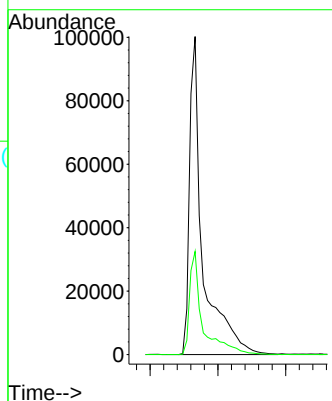
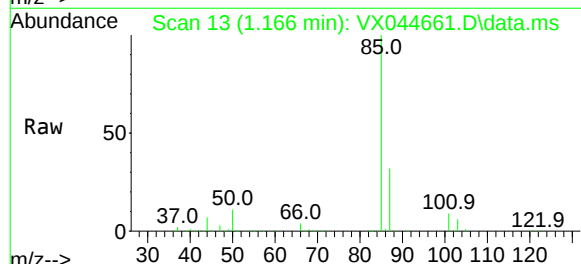
Manual Integrations
APPROVED

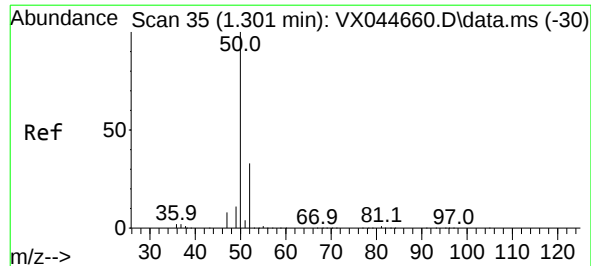
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#2
Dichlorodifluoromethane
Concen: 53.031 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044661.D
Acq: 16 Jan 2025 09:25

Tgt Ion: 85 Resp: 136053
Ion Ratio Lower Upper
85 100
87 32.4 16.6 49.8





#3

Chloromethane

Concen: 49.450 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion: 50 Resp: 147748

Ion Ratio Lower Upper

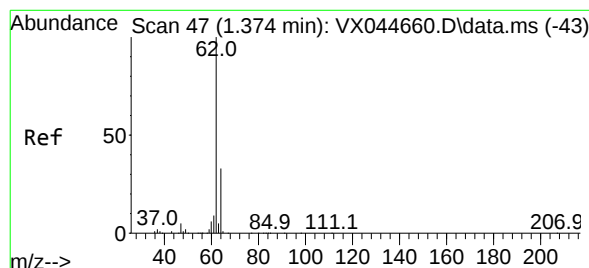
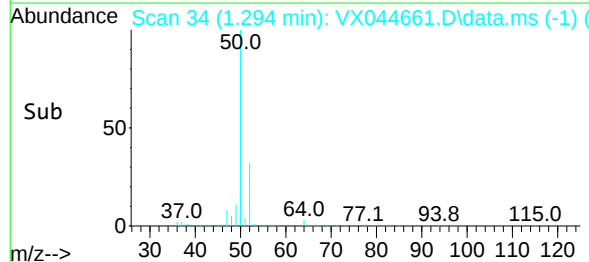
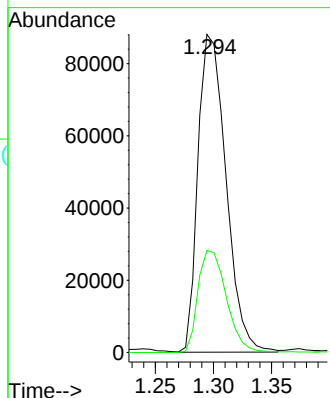
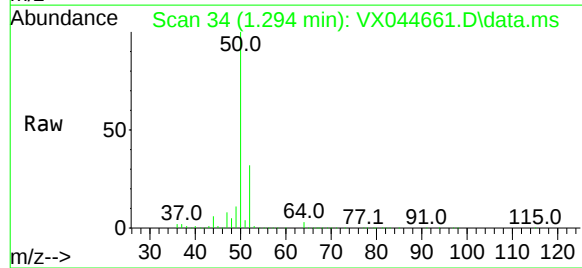
50 100

52 32.2 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#4

Vinyl Chloride

Concen: 48.270 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044661.D

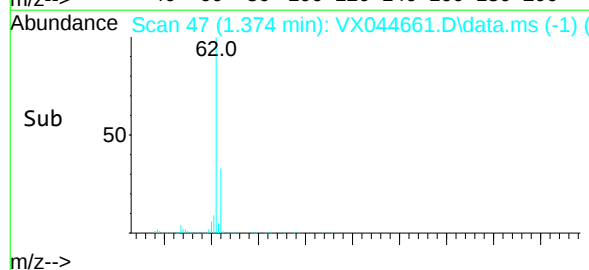
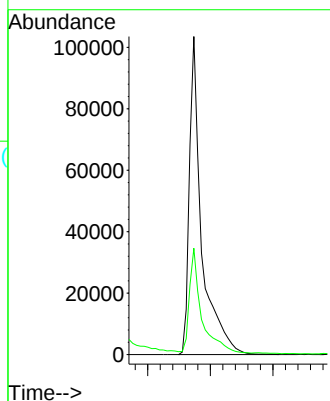
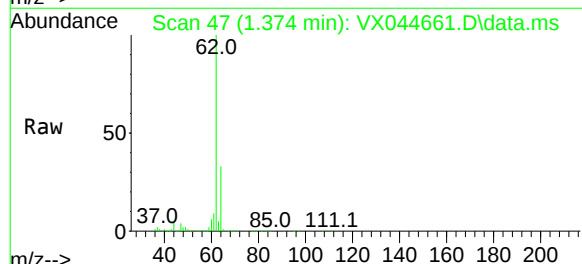
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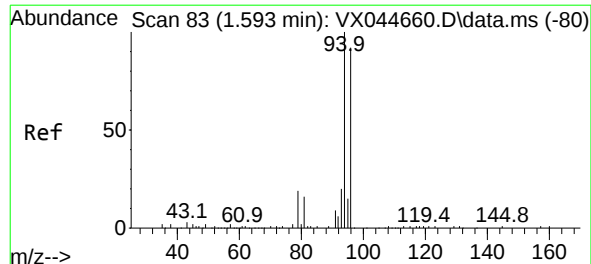
Tgt Ion: 62 Resp: 141110

Ion Ratio Lower Upper

62 100

64 33.0 27.3 40.9





#5

Bromomethane

Concen: 46.667 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 94 Resp: 32943

Ion Ratio Lower Upper

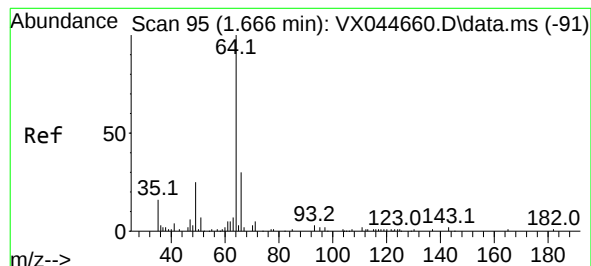
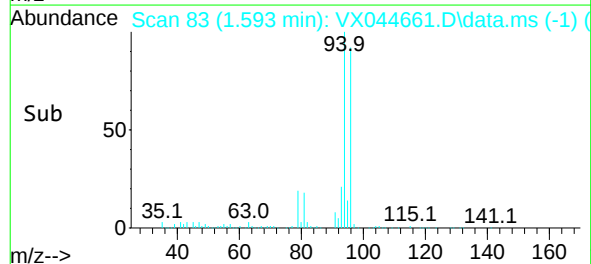
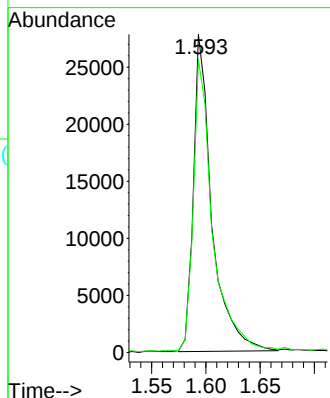
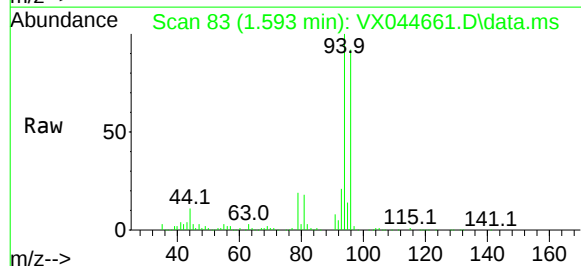
94 100

96 92.0 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#6

Chloroethane

Concen: 49.950 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.006 min

Lab File: VX044661.D

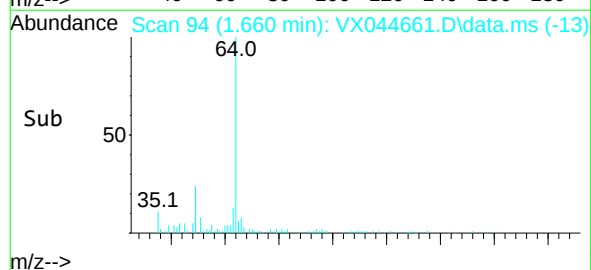
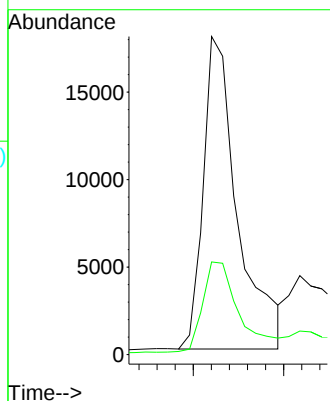
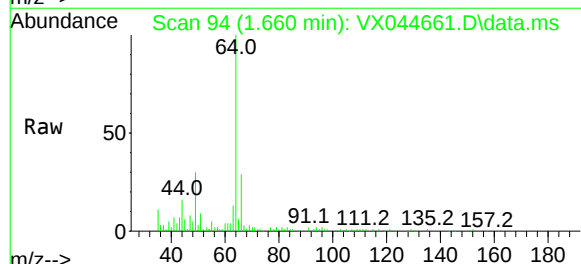
Acq: 16 Jan 2025 09:25

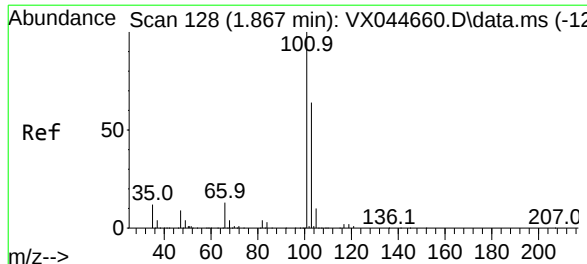
Tgt Ion: 64 Resp: 23580

Ion Ratio Lower Upper

64 100

66 28.6 23.8 35.6





#7

Trichlorofluoromethane

Concen: 47.245 ug/l

RT: 1.867 min Scan# 128

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion:101 Resp: 151253

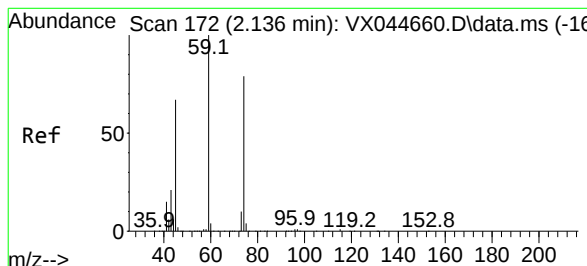
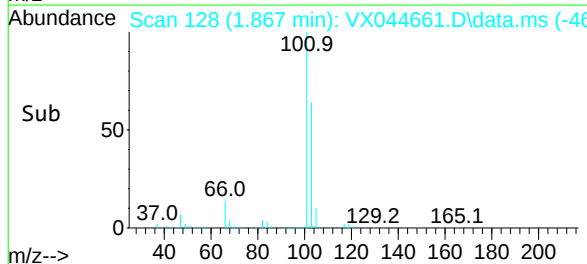
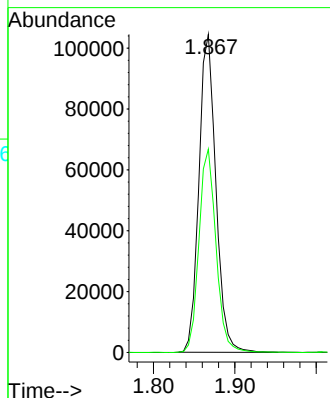
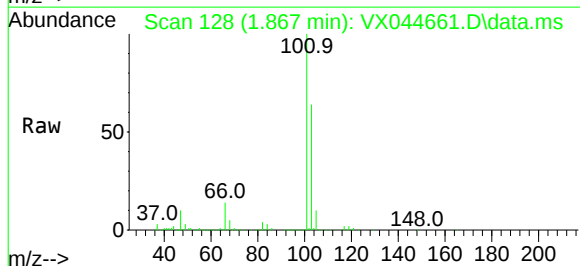
Ion Ratio Lower Upper

101 100

103 63.9 51.1 76.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#8

Diethyl Ether

Concen: 48.034 ug/l

RT: 2.136 min Scan# 172

Delta R.T. -0.000 min

Lab File: VX044661.D

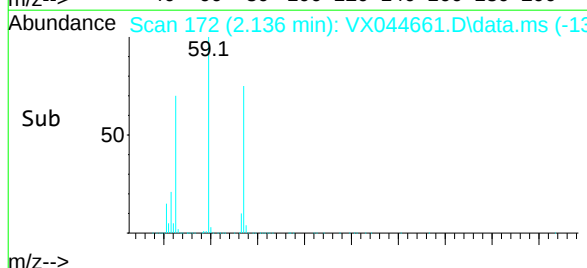
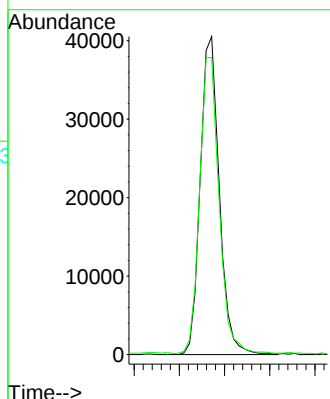
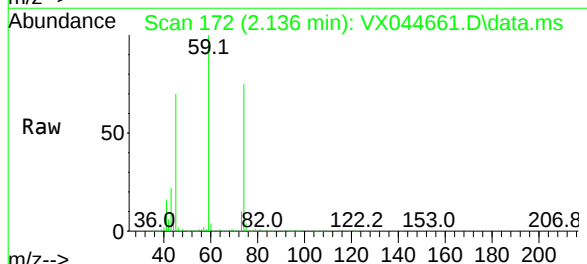
Acq: 16 Jan 2025 09:25

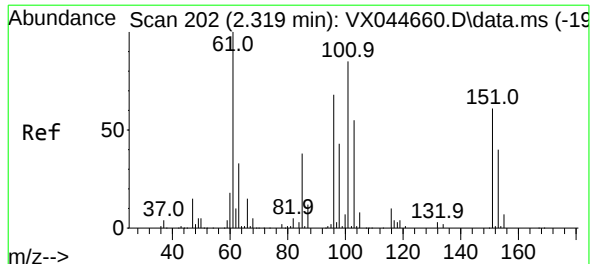
Tgt Ion: 74 Resp: 59325

Ion Ratio Lower Upper

74 100

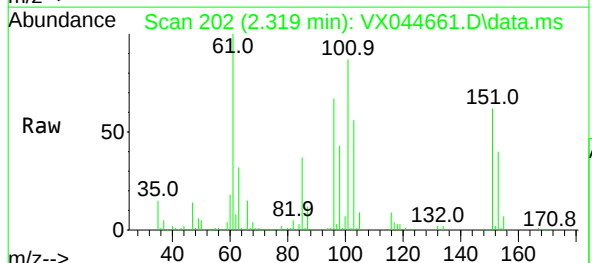
45 94.7 18.8 168.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.650 ug/l
RT: 2.319 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX044661.D
Acq: 16 Jan 2025 09:25

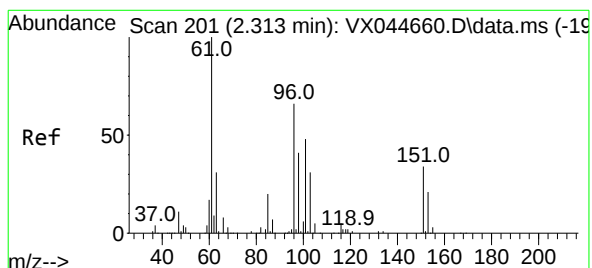
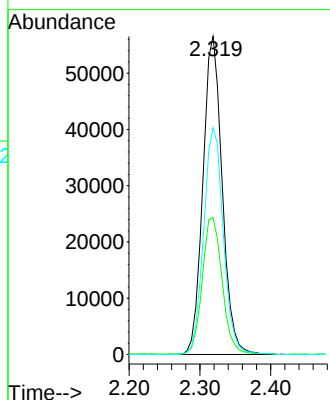
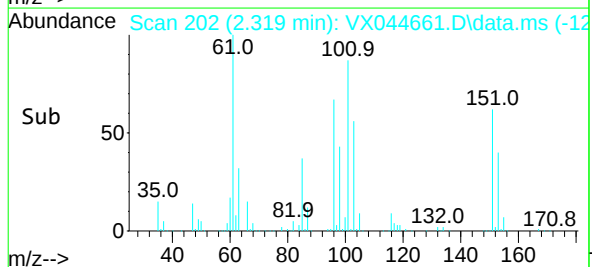
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



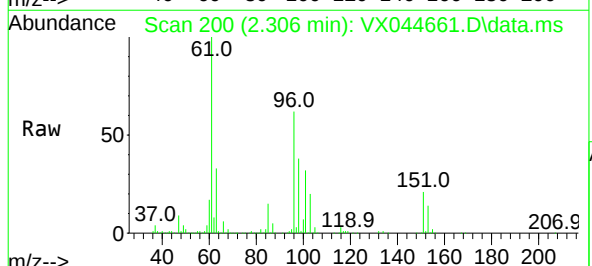
Tgt Ion: 101 Resp: 106998
Ion Ratio Lower Upper
101 100
85 43.8 0.0 88.0
151 72.8 0.0 147.0

Manual Integrations
APPROVED

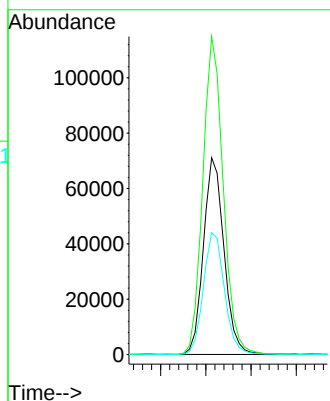
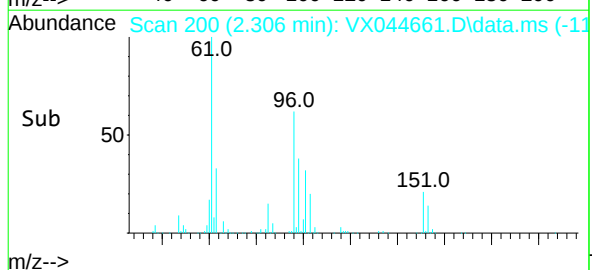
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

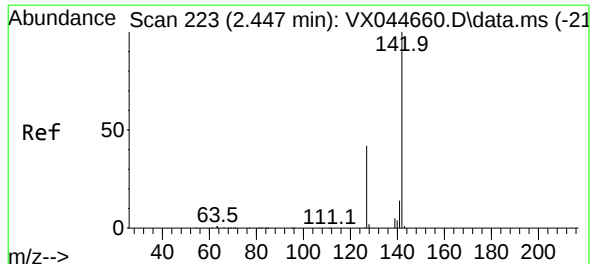


#10
1,1-Dichloroethene
Concen: 47.590 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044661.D
Acq: 16 Jan 2025 09:25



Tgt Ion: 96 Resp: 112301
Ion Ratio Lower Upper
96 100
61 161.7 121.6 182.4
98 61.9 50.3 75.5





#11

Methyl Iodide

Concen: 49.919 ug/l

RT: 2.441 min Scan# 223

Delta R.T. -0.006 min

Lab File: VX044661.D

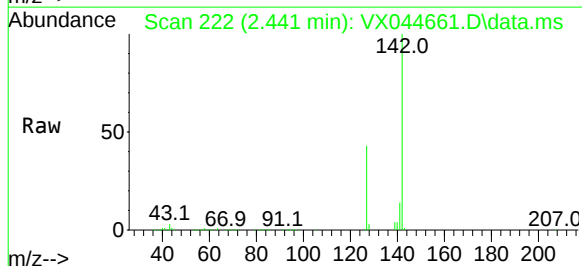
Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

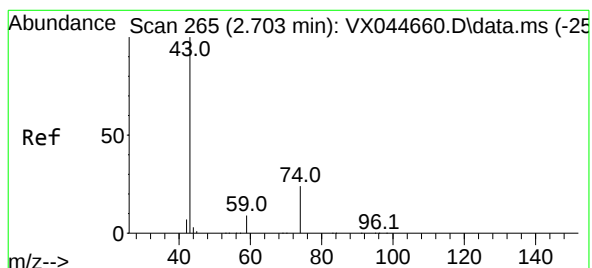
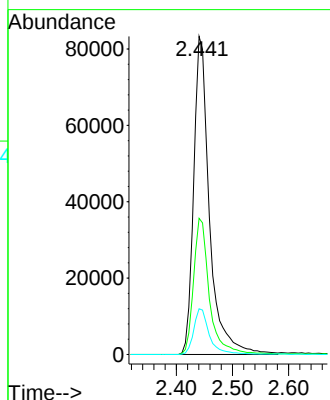
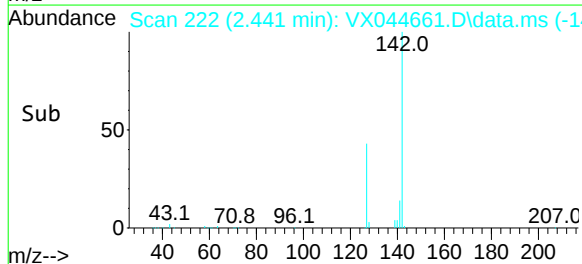
VSTDICC050



Tgt Ion:	142	Resp:	163230
Ion	Ratio	Lower	Upper
142	100		
127	42.8	20.8	62.4
141	14.3	7.0	20.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#12

Methyl Acetate

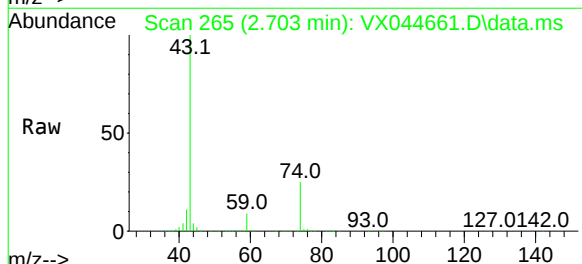
Concen: 49.623 ug/l

RT: 2.703 min Scan# 265

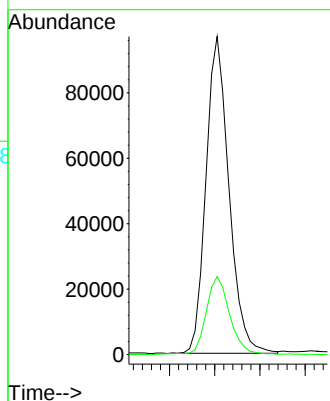
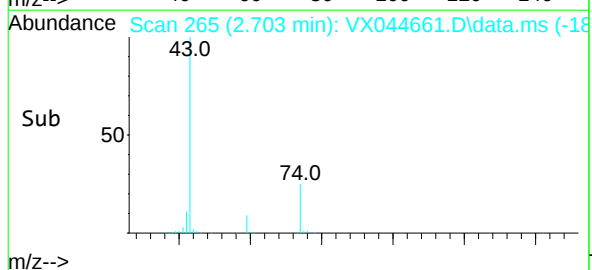
Delta R.T. -0.000 min

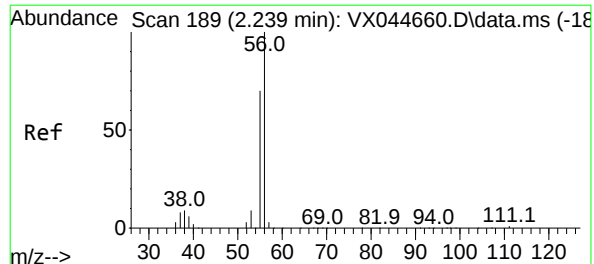
Lab File: VX044661.D

Acq: 16 Jan 2025 09:25



Tgt Ion:	43	Resp:	170946
Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.4	29.2





#13

Acrolein

Concen: 227.272 ug/l

RT: 2.233 min Scan# 189

Delta R.T. -0.006 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 56 Resp: 86575

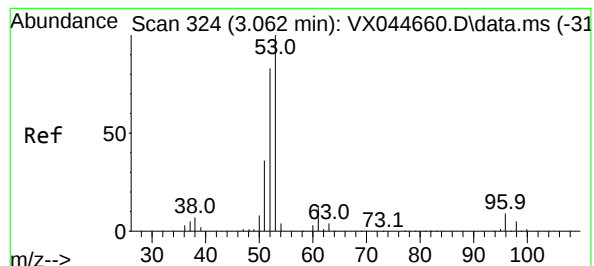
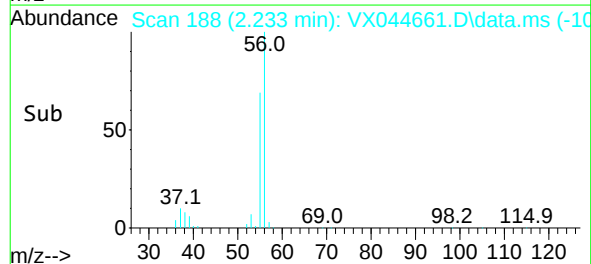
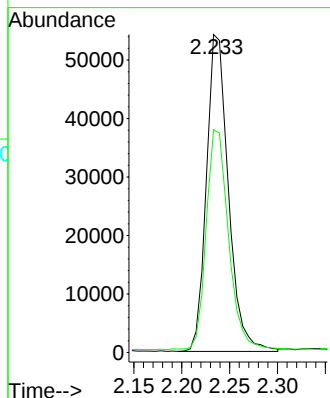
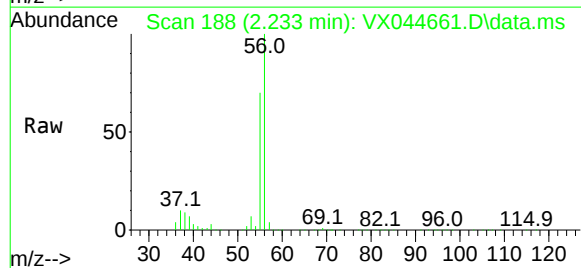
Ion Ratio Lower Upper

56 100

55 70.9 57.5 86.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#14

Acrylonitrile

Concen: 246.621 ug/l

RT: 3.062 min Scan# 324

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

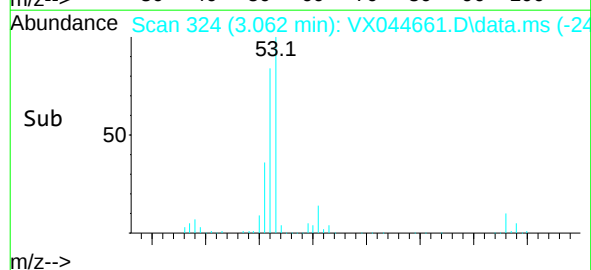
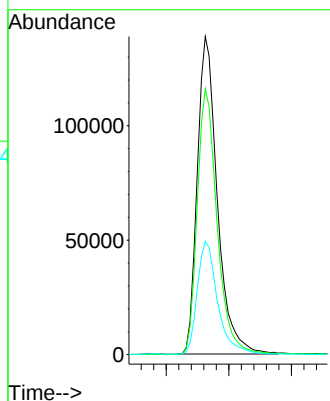
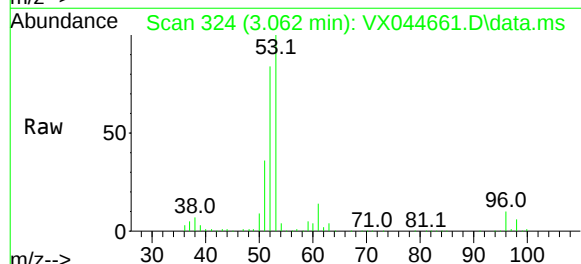
Tgt Ion: 53 Resp: 309583

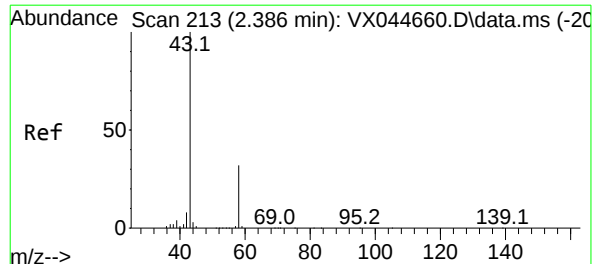
Ion Ratio Lower Upper

53 100

52 82.5 41.4 124.2

51 36.0 18.1 54.4





#15

Acetone

Concen: 242.884 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 58 Resp: 81812

Ion Ratio Lower Upper

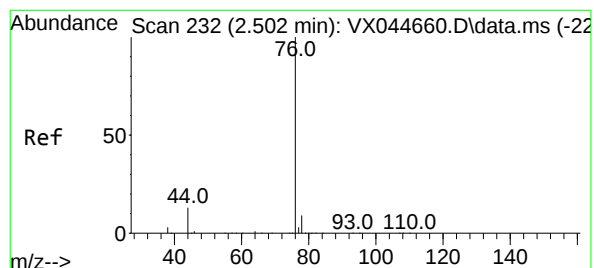
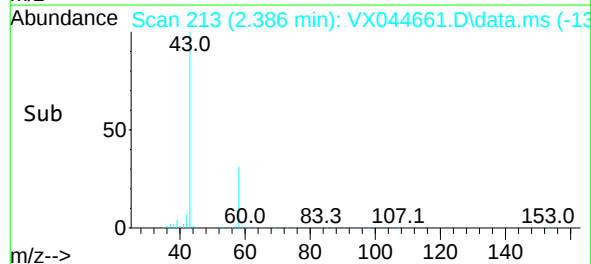
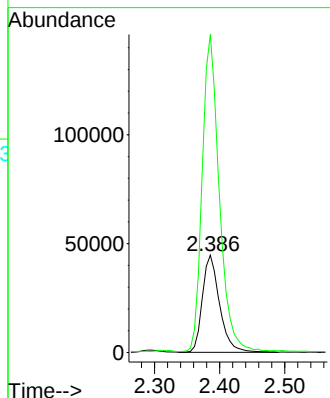
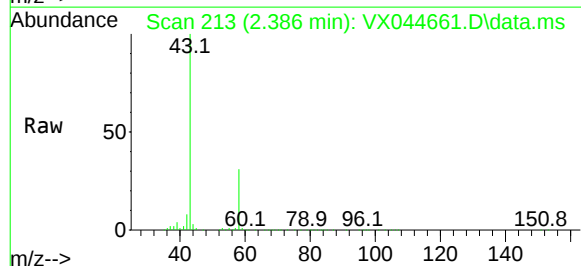
58 100

43 326.3 251.0 376.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#16

Carbon Disulfide

Concen: 48.818 ug/l

RT: 2.501 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX044661.D

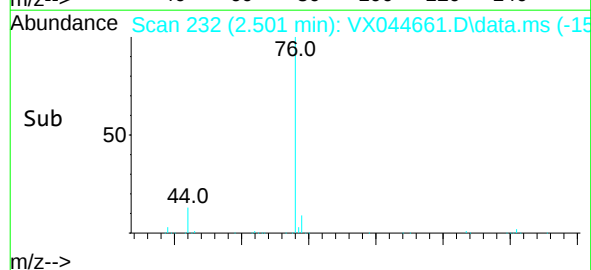
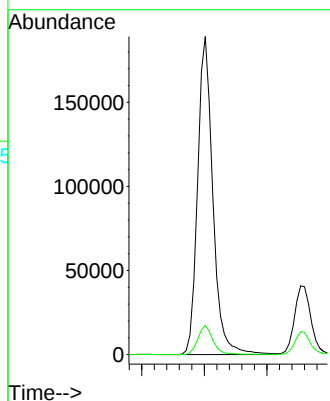
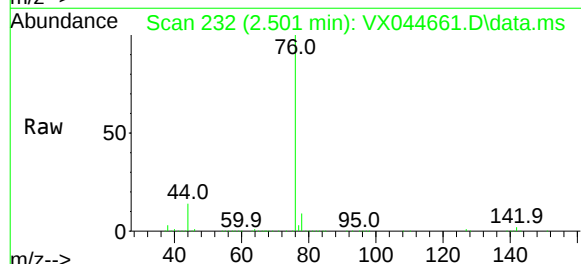
Acq: 16 Jan 2025 09:25

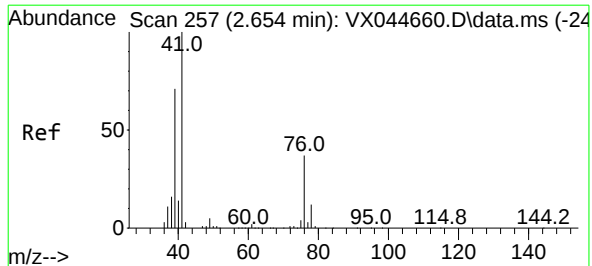
Tgt Ion: 76 Resp: 320132

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#17

Allyl chloride

Concen: 49.209 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 41 Resp: 209402

Ion Ratio Lower Upper

41 100

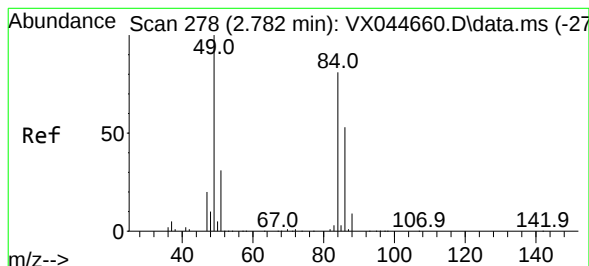
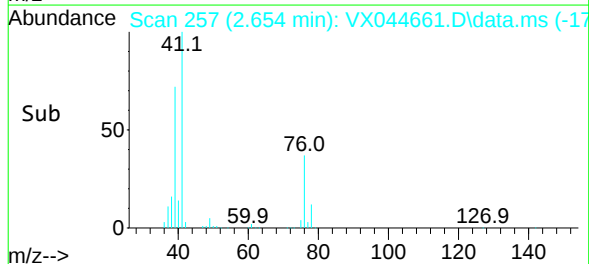
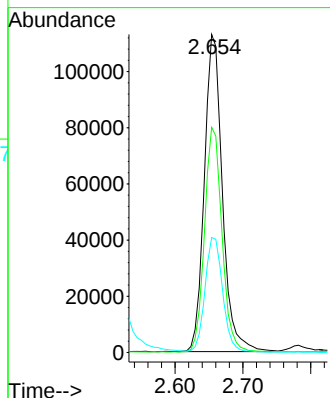
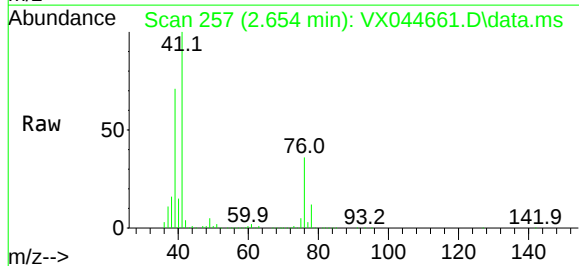
39 70.9 35.6 106.8

76 36.1 18.9 56.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025



#18

Methylene Chloride

Concen: 48.907 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Tgt Ion: 84 Resp: 129192

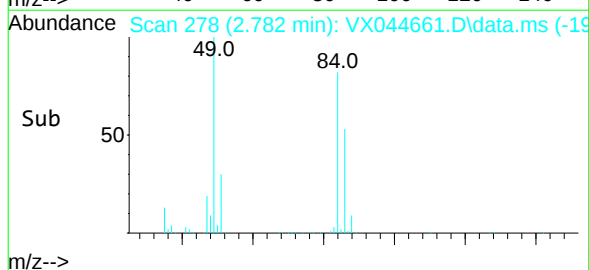
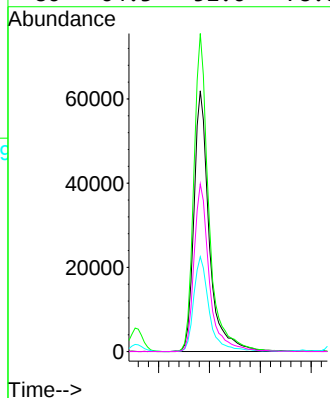
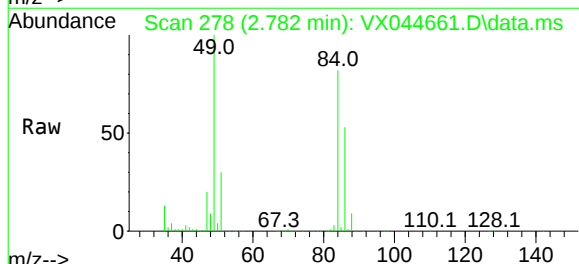
Ion Ratio Lower Upper

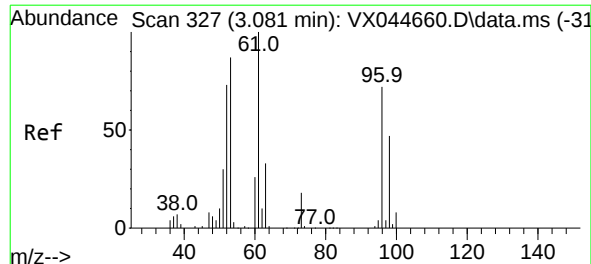
84 100

49 122.0 98.3 147.5

51 36.3 30.6 46.0

86 64.3 52.6 78.8





#19

trans-1,2-Dichloroethene

Concen: 48.618 ug/l

RT: 3.081 min Scan# 327

Delta R.T. -0.000 min

Lab File: VX044661.D

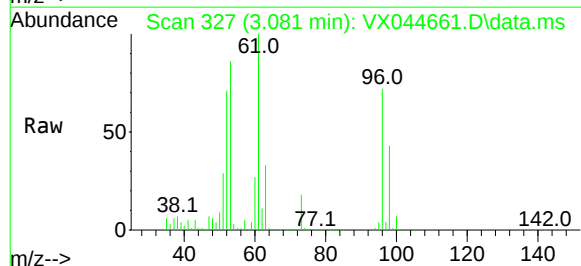
Acq: 16 Jan 2025 09:25

Instrument :

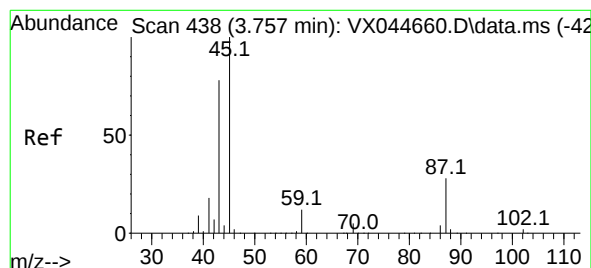
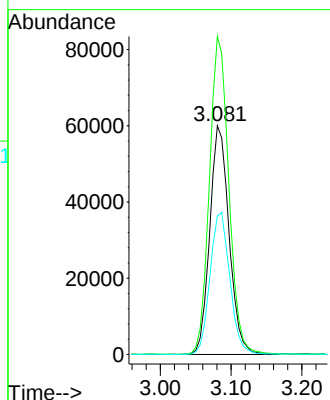
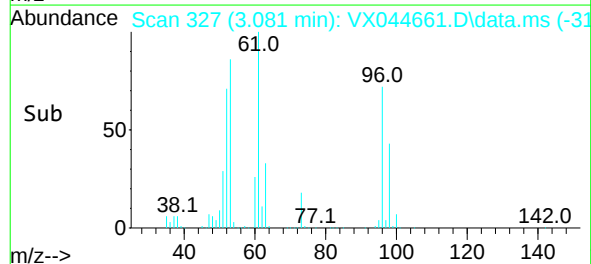
MSVOA_X

ClientSampleId :

VSTDICC050



Tgt Ion:	96	Resp:	114074
Ion	Ratio	Lower	Upper
96	100		
61	138.9	111.5	167.3
98	60.4	52.6	79.0

Manual Integrations
APPROVEDReviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#20

Diisopropyl ether

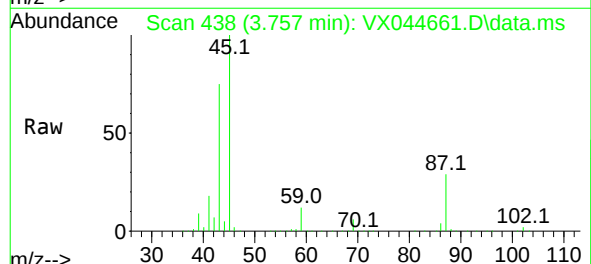
Concen: 49.191 ug/l

RT: 3.757 min Scan# 438

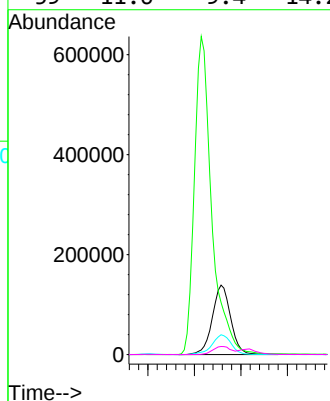
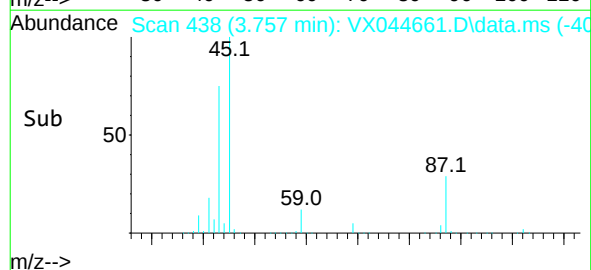
Delta R.T. -0.000 min

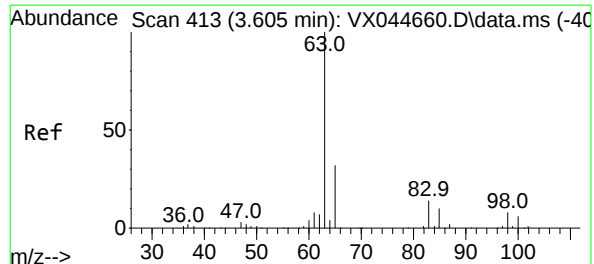
Lab File: VX044661.D

Acq: 16 Jan 2025 09:25



Tgt Ion:	45	Resp:	379943
Ion	Ratio	Lower	Upper
45	100		
43	74.8	62.6	94.0
87	28.6	22.7	34.1
59	11.6	9.4	14.2





#21

1,1-Dichloroethane

Concen: 49.127 ug/l

RT: 3.605 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

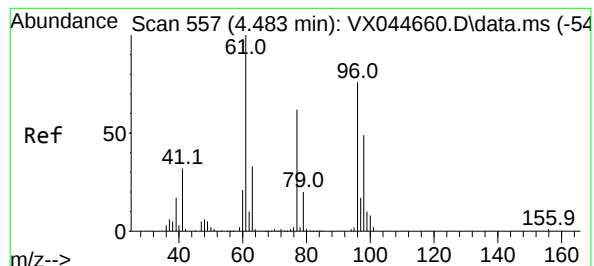
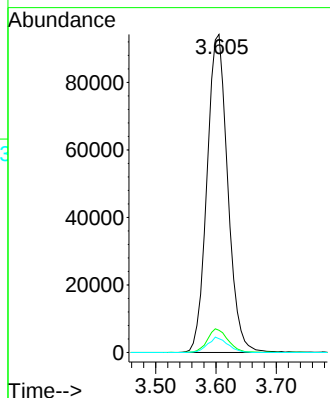
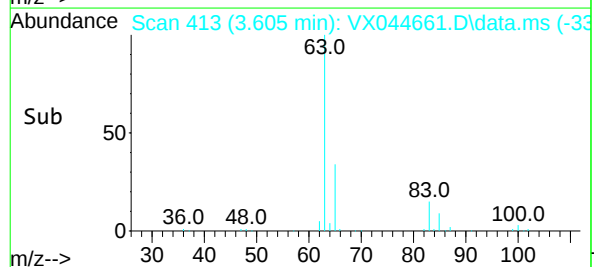
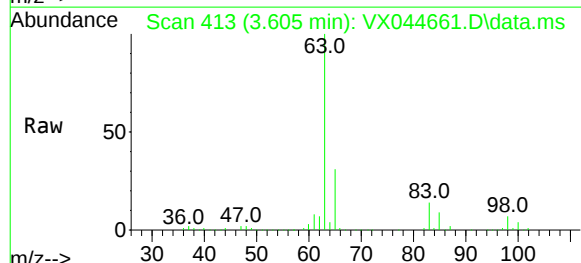
ClientSampleId :

VSTDICC050

Tgt Ion:	63	Resp:	225092
Ion	Ratio	Lower	Upper
63	100		
98	7.0	4.0	11.9
100	4.3	2.8	8.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#22

cis-1,2-Dichloroethene

Concen: 48.695 ug/l

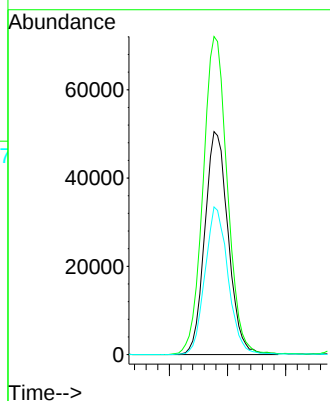
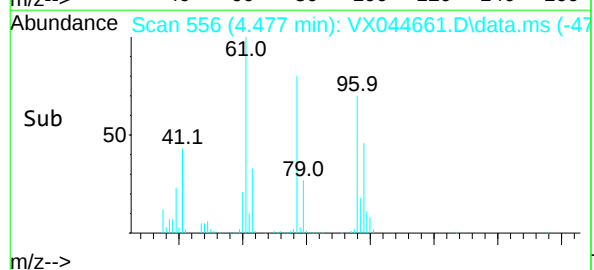
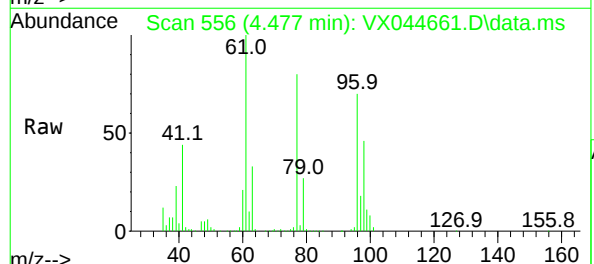
RT: 4.477 min Scan# 556

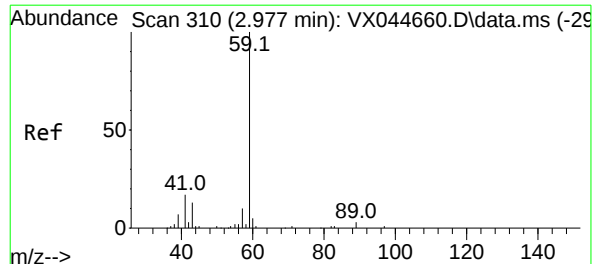
Delta R.T. -0.006 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Tgt Ion:	96	Resp:	141413
Ion	Ratio	Lower	Upper
96	100		
61	147.5	115.2	172.8
98	65.4	51.8	77.6





#23

tert-Butyl Alcohol

Concen: 265.008 ug/l m

RT: 2.977 min Scan# 310

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 59 Resp: 144322

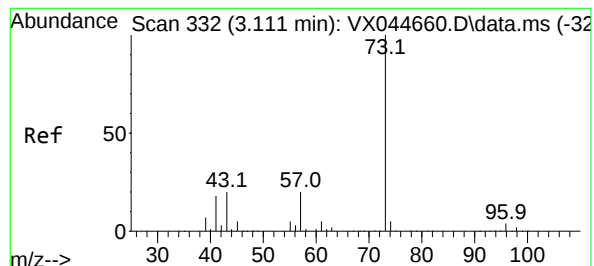
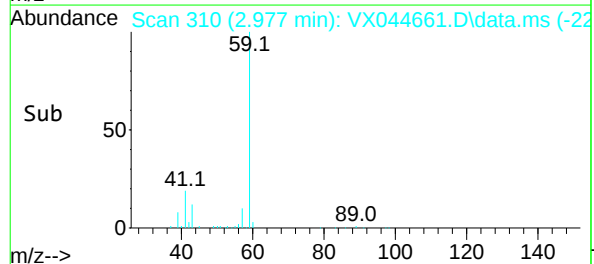
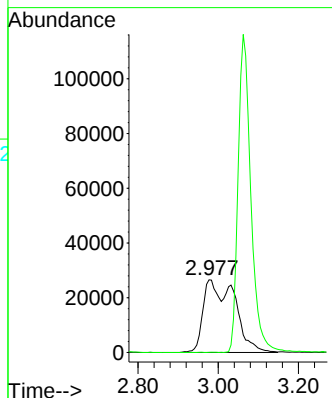
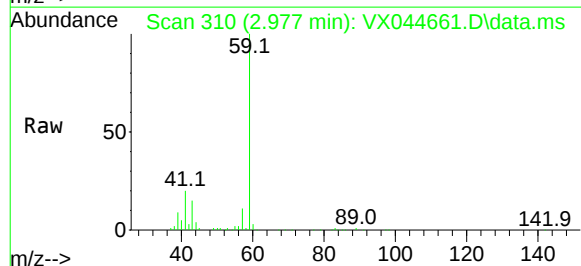
Ion Ratio Lower Upper

59 100

52 0.1 0.1 0.1#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#24

Methyl tert-Butyl Ether

Concen: 48.485 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX044661.D

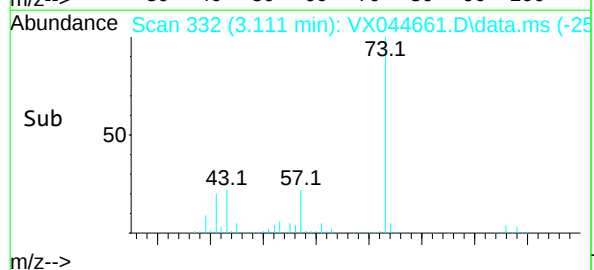
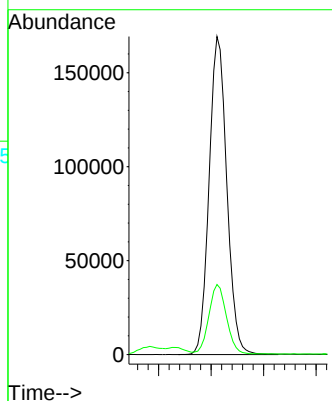
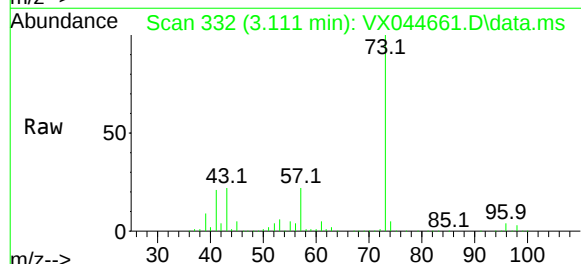
Acq: 16 Jan 2025 09:25

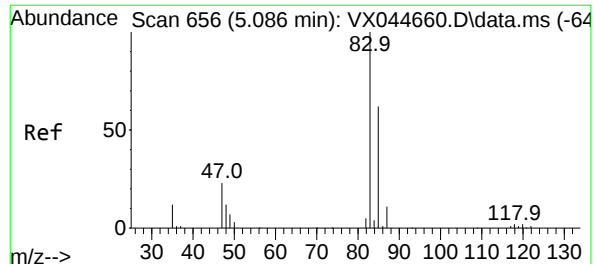
Tgt Ion: 73 Resp: 396412

Ion Ratio Lower Upper

73 100

43 21.4 16.9 25.3





#25

Chloroform

Concen: 48.880 ug/l

RT: 5.086 min Scan# 65

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 83 Resp: 222532

Ion Ratio Lower Upper

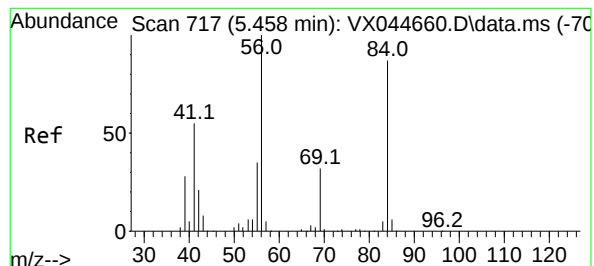
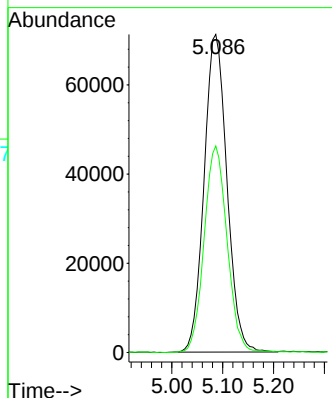
83 100

85 64.9 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#26

Cyclohexane

Concen: 46.819 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

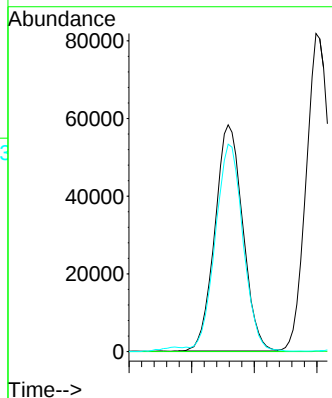
Tgt Ion: 56 Resp: 180292

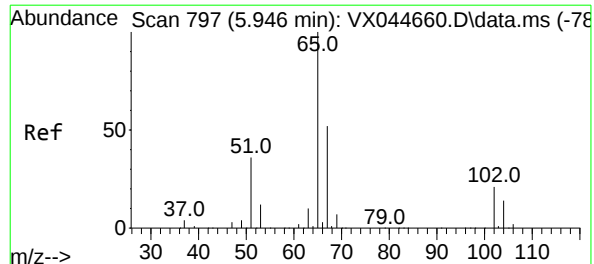
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 91.5 72.2 108.4





#27

1,2-Dichloroethane-d4

Concen: 30.092 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 65 Resp: 92806

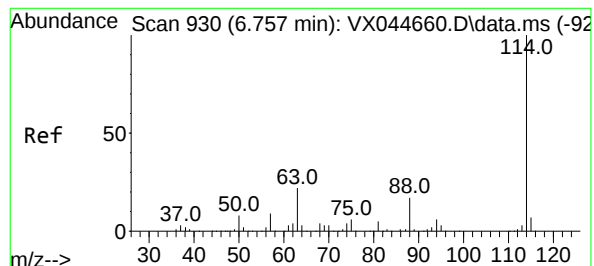
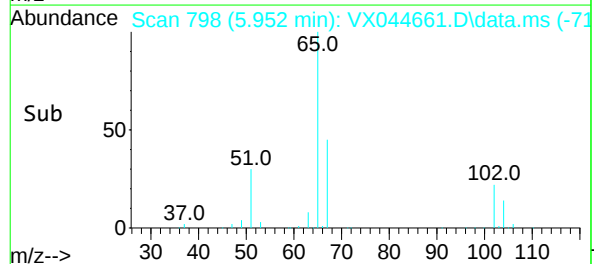
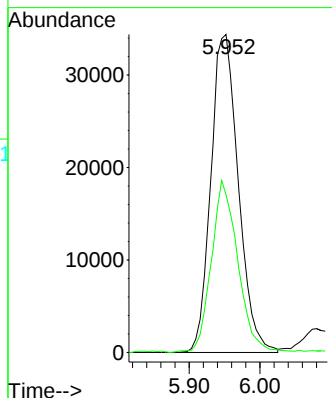
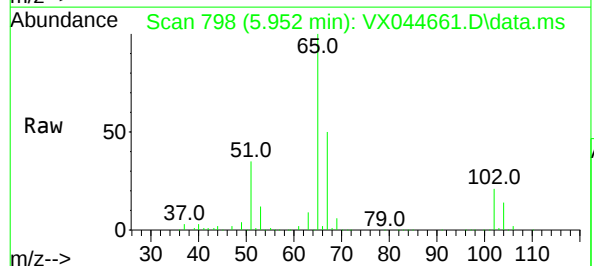
Ion Ratio Lower Upper

65 100

67 50.6 41.4 62.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

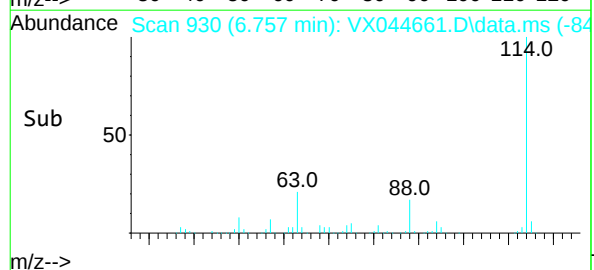
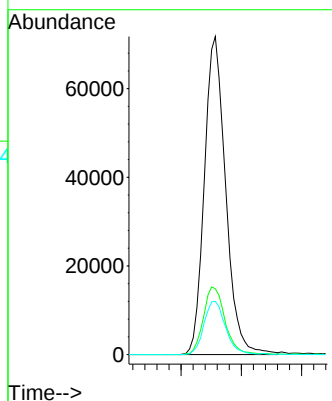
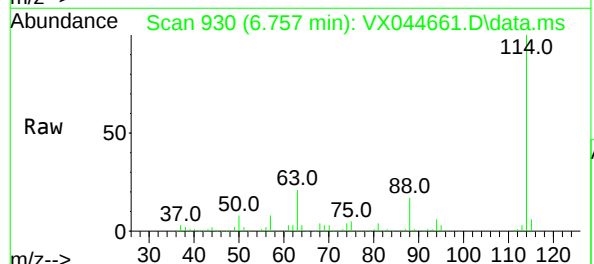
Tgt Ion:114 Resp: 176401

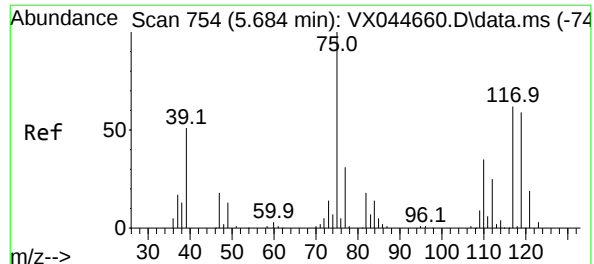
Ion Ratio Lower Upper

114 100

63 21.5 16.6 24.8

88 16.9 13.4 20.2





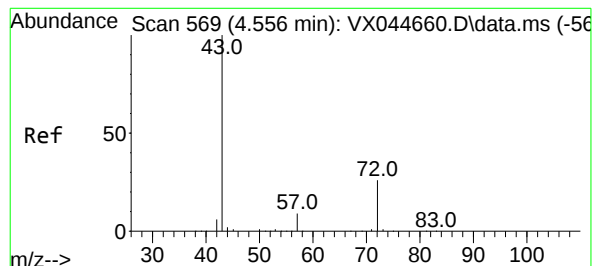
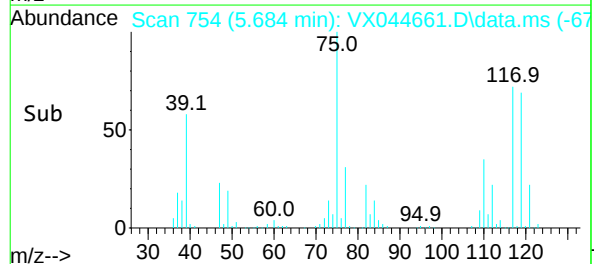
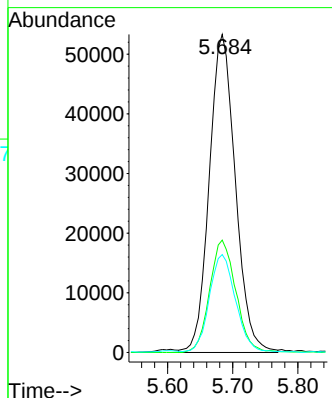
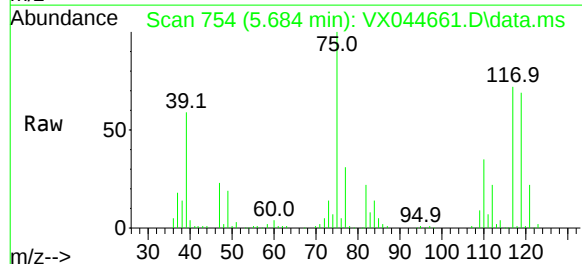
#29
1,1-Dichloropropene
Concen: 48.402 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX044661.D
Acq: 16 Jan 2025 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tgt Ion: 75 Resp: 148511
Ion Ratio Lower Upper
75 100
110 35.3 0.0 69.4
77 30.9 0.0 59.8

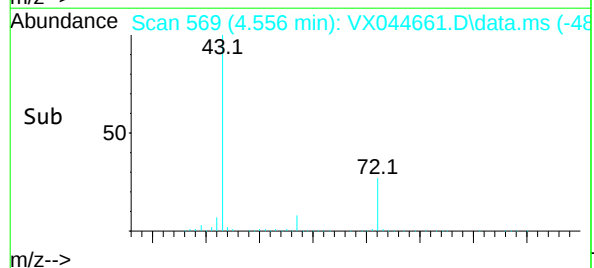
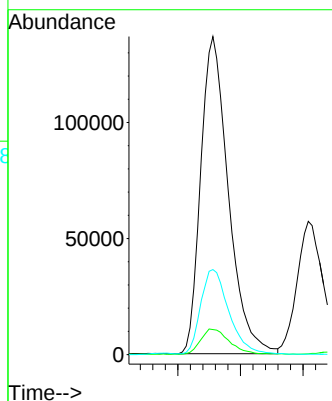
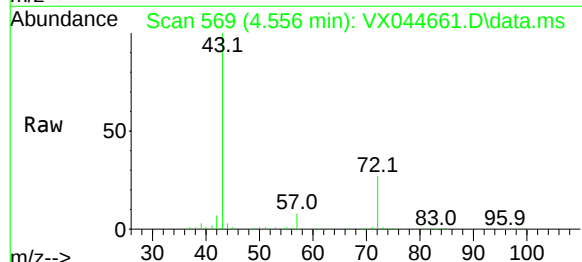
Manual Integrations
APPROVED

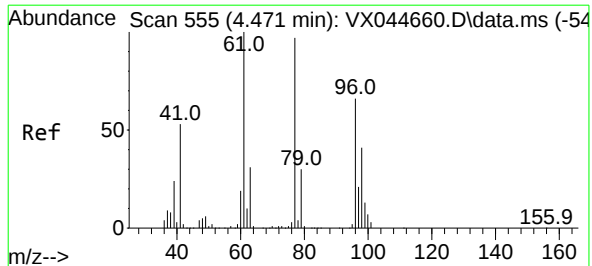
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#30
2-Butanone
Concen: 248.886 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.000 min
Lab File: VX044661.D
Acq: 16 Jan 2025 09:25

Tgt Ion: 43 Resp: 419491
Ion Ratio Lower Upper
43 100
57 8.2 6.4 9.6
72 27.4 21.5 32.3





#31

2,2-Dichloropropane

Concen: 48.011 ug/l

RT: 4.465 min Scan# 555

Delta R.T. -0.006 min

Lab File: VX044661.D

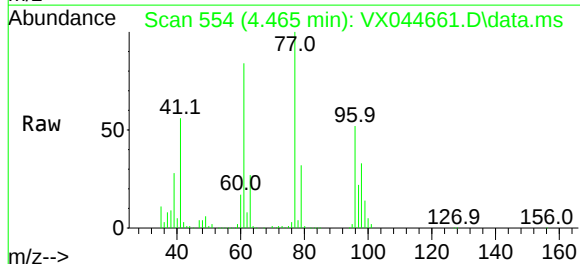
Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050



Tgt Ion: 77 Resp: 203849

Ion Ratio Lower Upper

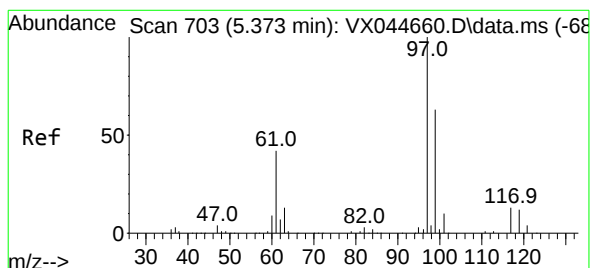
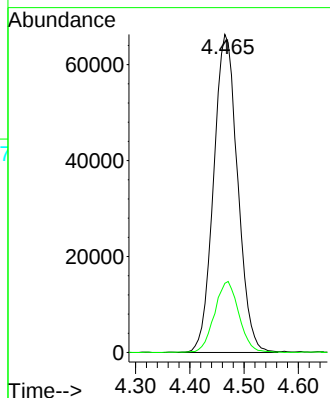
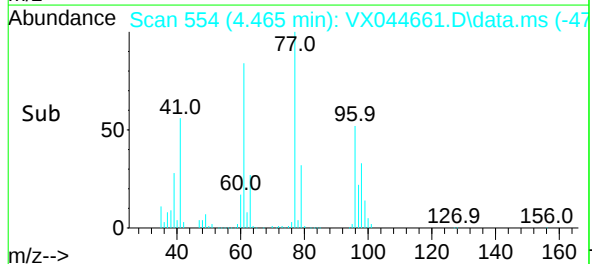
77 100

97 22.5 18.6 27.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#32

1,1,1-Trichloroethane

Concen: 48.051 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

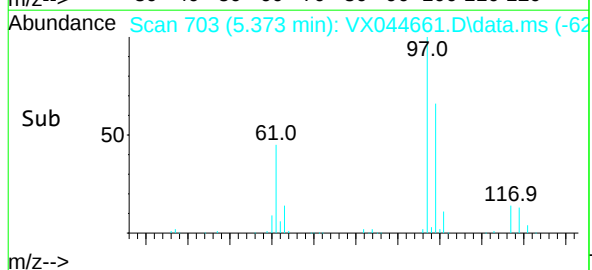
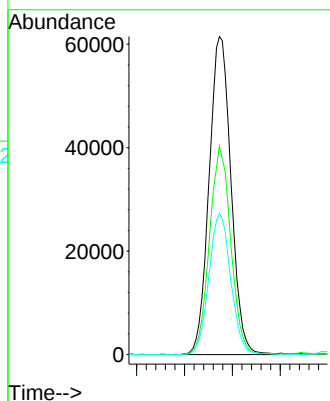
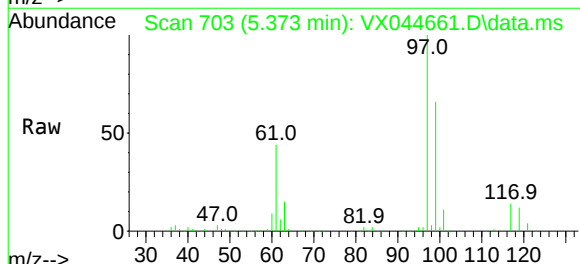
Tgt Ion: 97 Resp: 195383

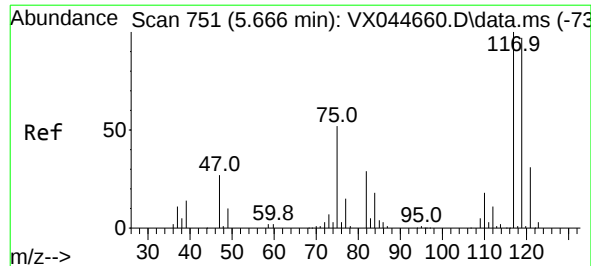
Ion Ratio Lower Upper

97 100

99 63.8 50.5 75.7

61 44.3 34.6 51.8





#33

Carbon Tetrachloride

Concen: 47.839 ug/l

RT: 5.672 min Scan# 751

Delta R.T. 0.006 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion:117 Resp: 164089

Ion Ratio Lower Upper

117 100

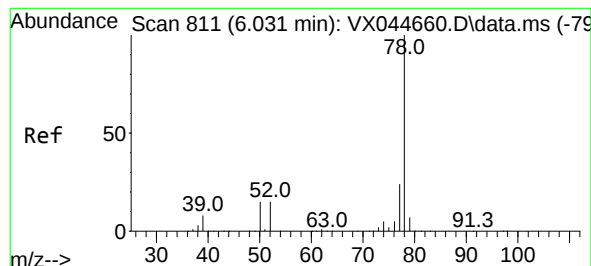
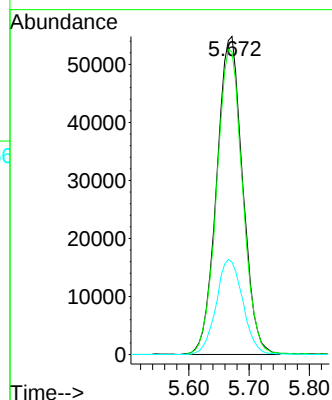
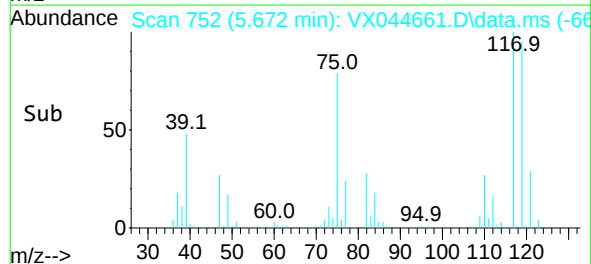
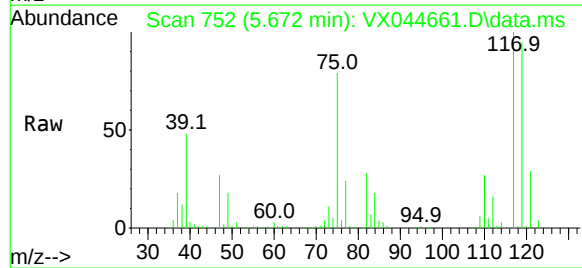
119 95.1 77.3 115.9

121 29.0 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#34

Benzene

Concen: 49.118 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

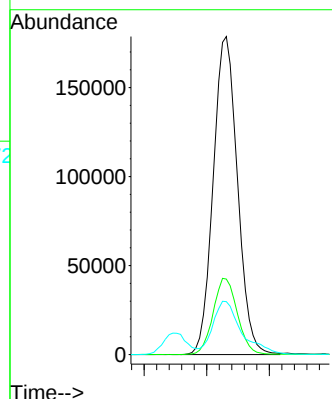
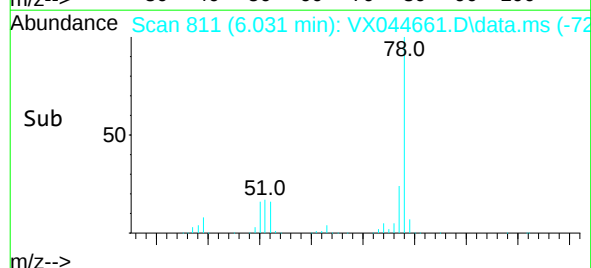
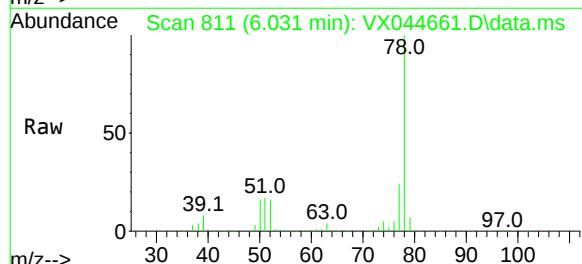
Tgt Ion: 78 Resp: 480821

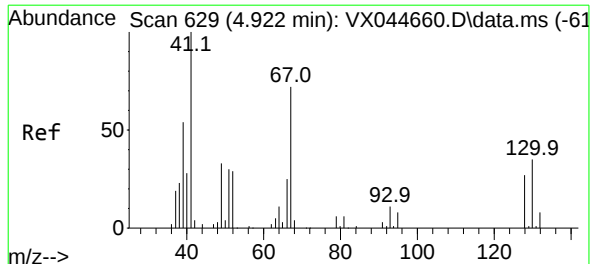
Ion Ratio Lower Upper

78 100

77 23.7 19.3 28.9

51 16.1 12.7 19.1





#35

Methacrylonitrile

Concen: 49.509 ug/l

RT: 4.916 min Scan# 62

Delta R.T. -0.006 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 41 Resp: 93262

Ion Ratio Lower Upper

41 100

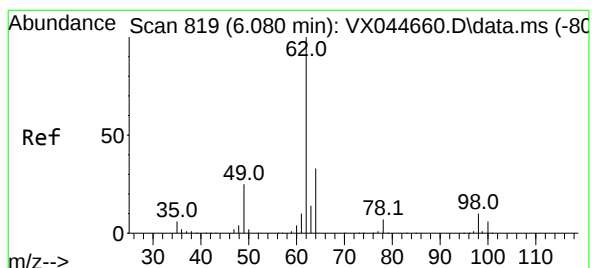
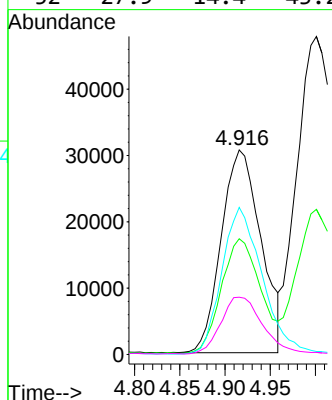
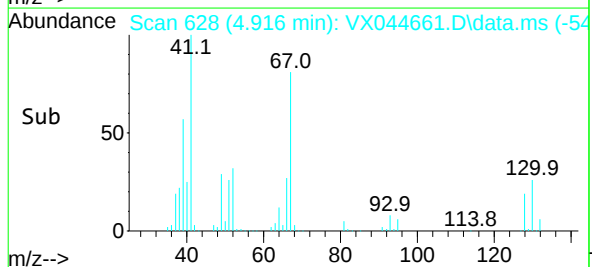
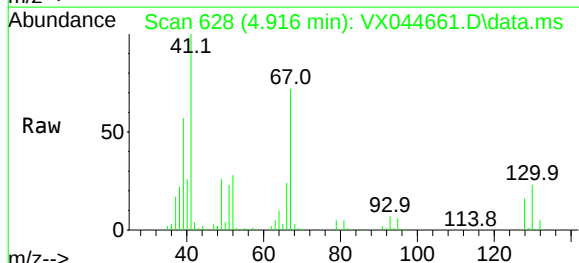
39 56.6 27.1 81.3

67 72.4 35.8 107.4

52 27.9 14.4 43.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#36

1,2-Dichloroethane

Concen: 48.671 ug/l

RT: 6.080 min Scan# 819

Delta R.T. -0.000 min

Lab File: VX044661.D

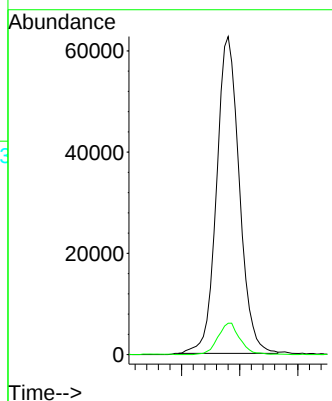
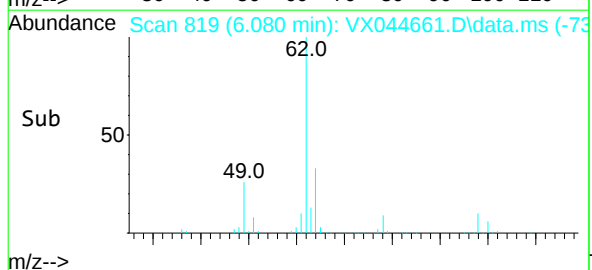
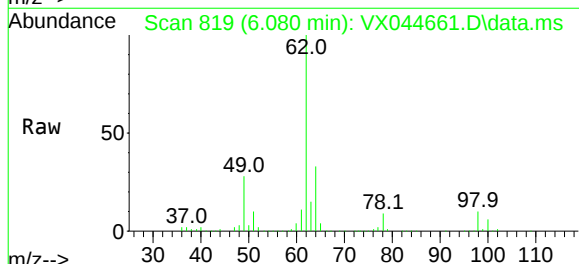
Acq: 16 Jan 2025 09:25

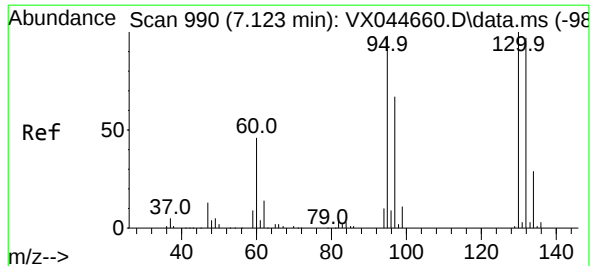
Tgt Ion: 62 Resp: 170346

Ion Ratio Lower Upper

62 100

98 9.6 7.4 11.2





#37

Trichloroethene

Concen: 48.998 ug/l

RT: 7.116 min Scan# 98

Delta R.T. -0.006 min

Lab File: VX044661.D

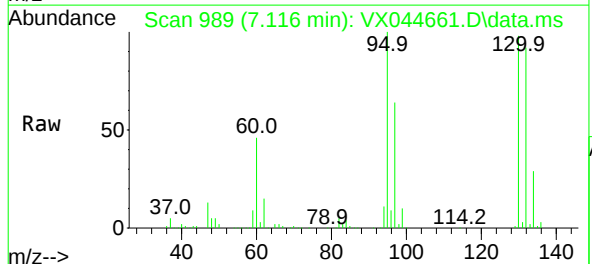
Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050



Tgt Ion:130 Resp: 115805

Ion Ratio Lower Upper

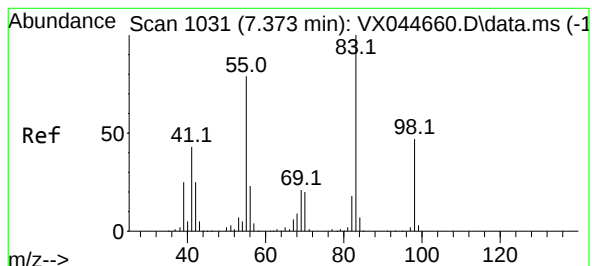
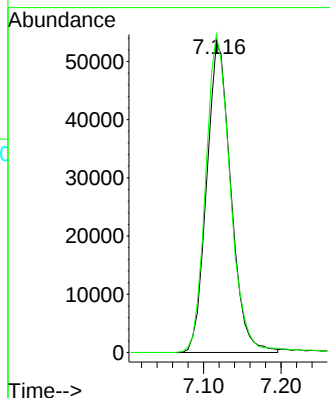
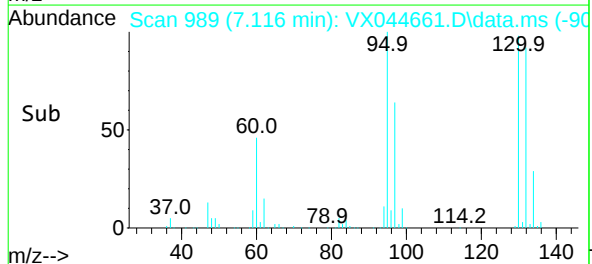
130 100

95 102.4 78.2 117.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#38

Methylcyclohexane

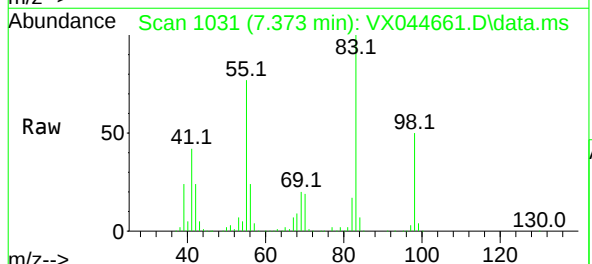
Concen: 47.170 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25



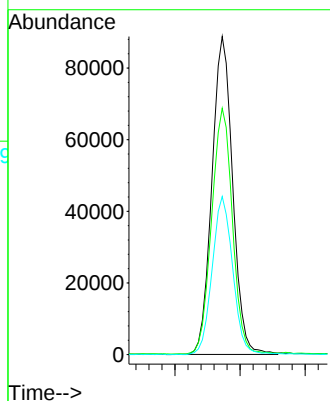
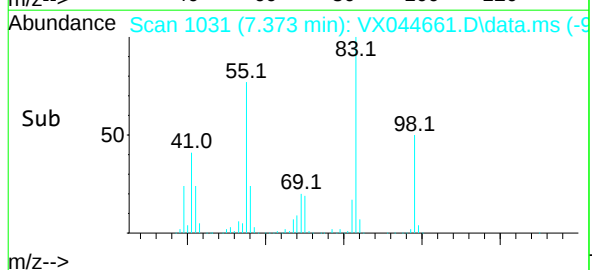
Tgt Ion: 83 Resp: 196645

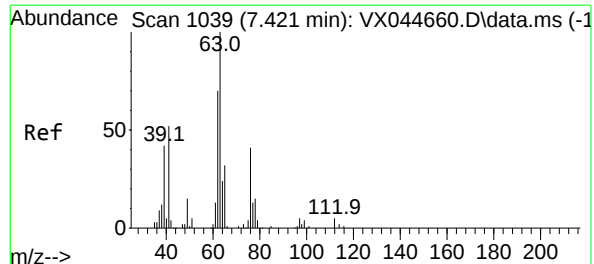
Ion Ratio Lower Upper

83 100

55 77.5 38.4 115.2

98 48.9 24.4 73.4





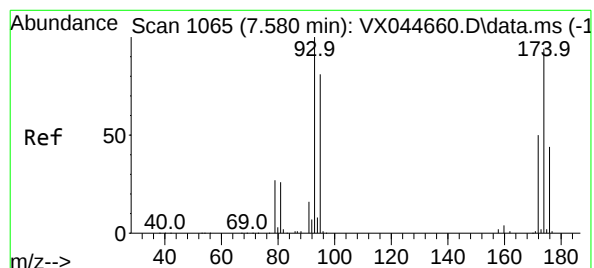
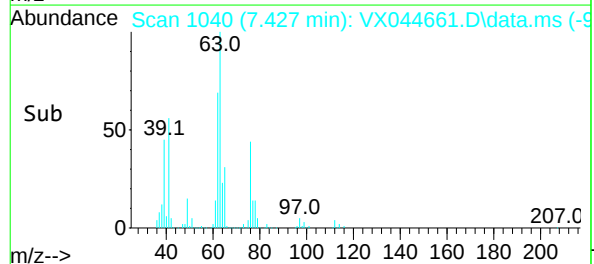
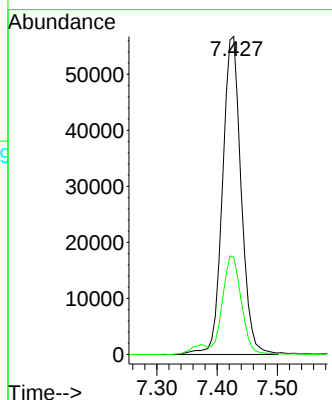
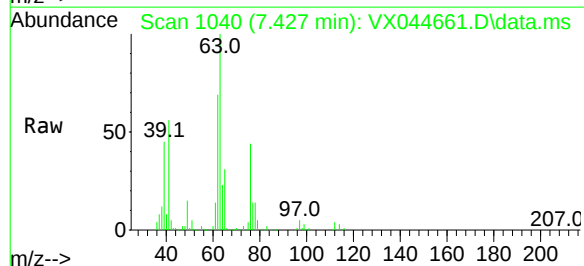
#39
1,2-Dichloropropane
Concen: 49.937 ug/l
RT: 7.427 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VX044661.D
Acq: 16 Jan 2025 09:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

Tgt Ion: 63 Resp: 121901
Ion Ratio Lower Upper
63 100
65 30.5 25.5 38.3

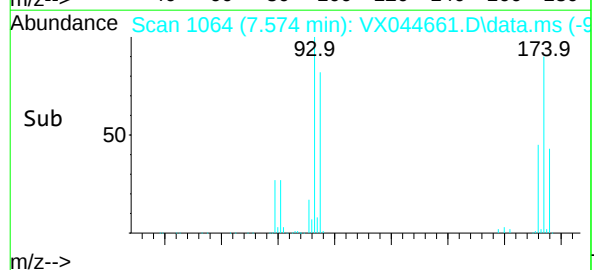
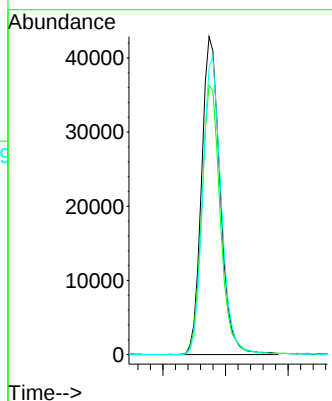
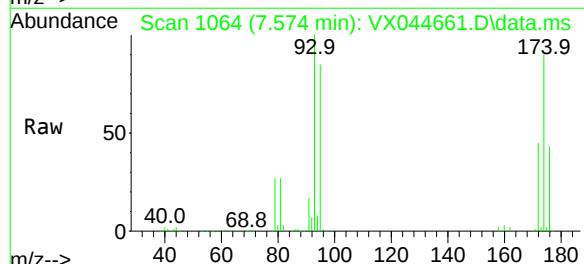
Manual Integrations
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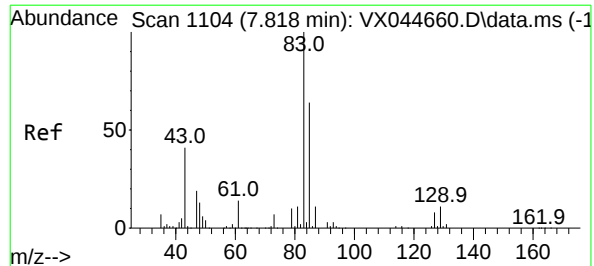
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#40
Dibromomethane
Concen: 48.894 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX044661.D
Acq: 16 Jan 2025 09:25

Tgt Ion: 93 Resp: 88733
Ion Ratio Lower Upper
93 100
95 84.4 0.0 167.0
174 92.2 0.0 182.0





#41

Bromodichloromethane

Concen: 49.303 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion: 83 Resp: 184753

Ion Ratio Lower Upper

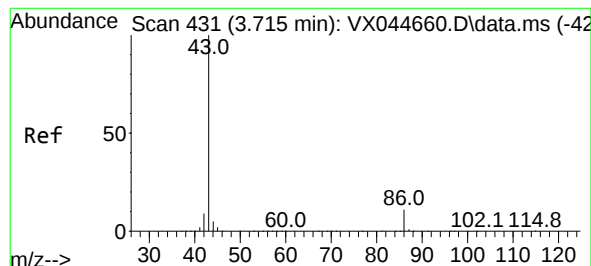
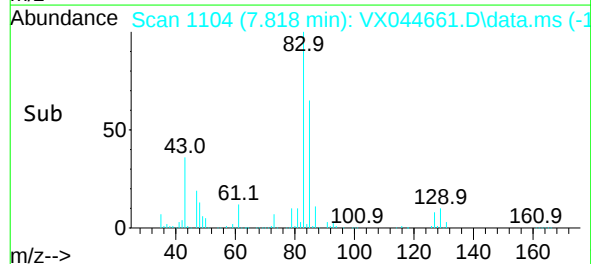
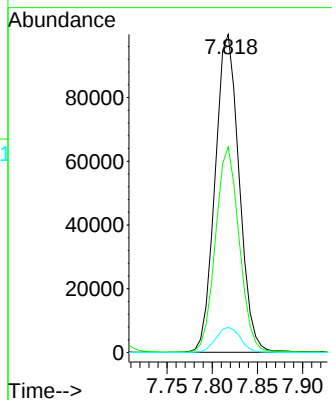
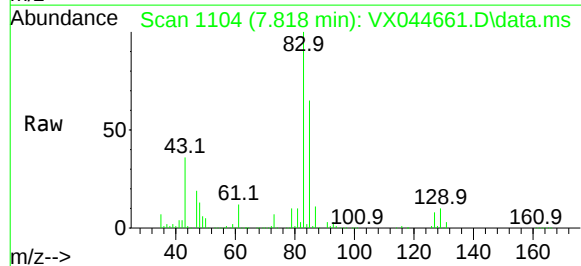
83 100

85 64.5 50.9 76.3

127 7.9 6.5 9.7

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#42

Vinyl Acetate

Concen: 246.012 ug/l

RT: 3.715 min Scan# 431

Delta R.T. -0.000 min

Lab File: VX044661.D

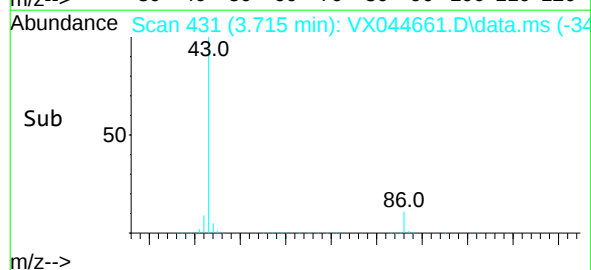
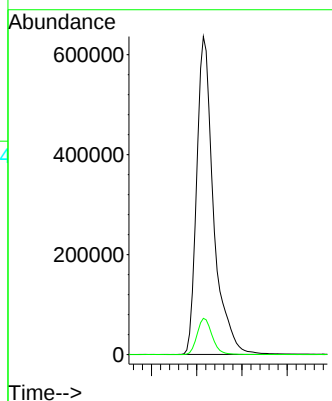
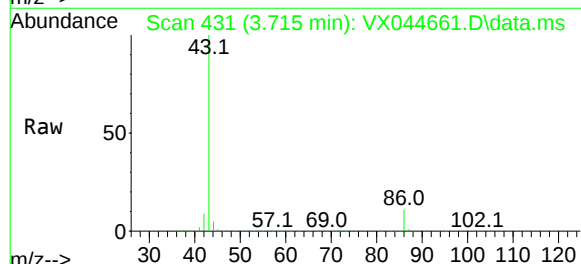
Acq: 16 Jan 2025 09:25

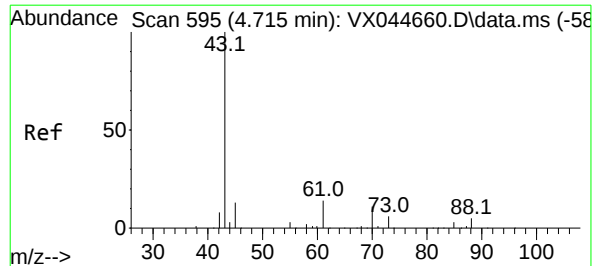
Tgt Ion: 43 Resp: 1646712

Ion Ratio Lower Upper

43 100

86 10.2 8.0 12.0





#43

Ethyl Acetate

Concen: 49.103 ug/l

RT: 4.708 min Scan# 59

Delta R.T. -0.006 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion: 43 Resp: 162349

Ion Ratio Lower Upper

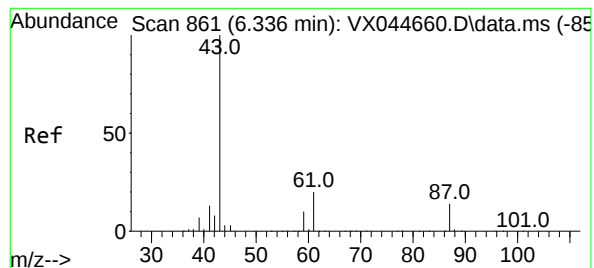
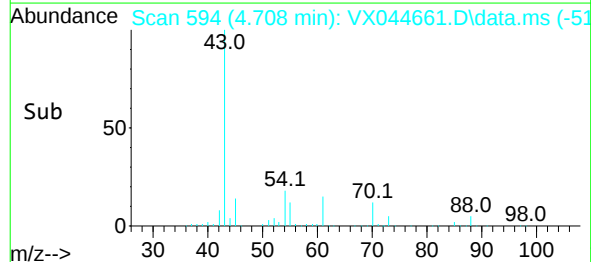
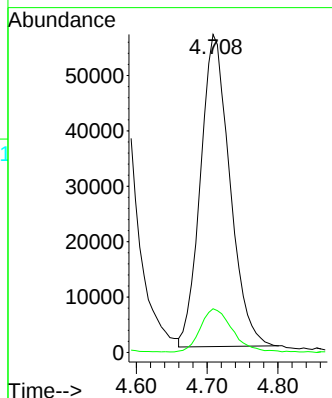
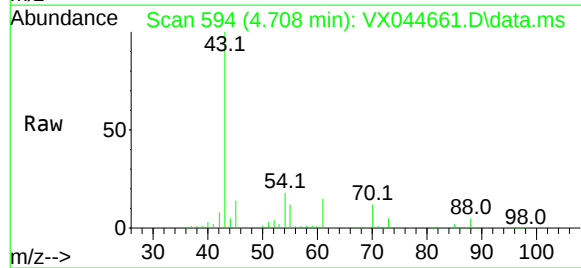
43 100

45 14.8 0.1 0.1#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#44

Isopropyl Acetate

Concen: 49.493 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.000 min

Lab File: VX044661.D

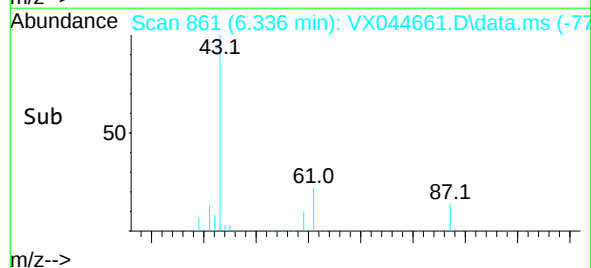
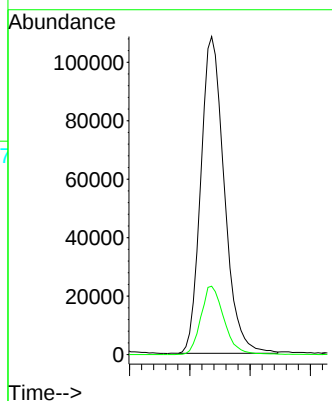
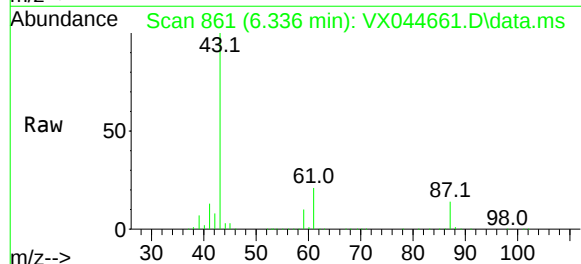
Acq: 16 Jan 2025 09:25

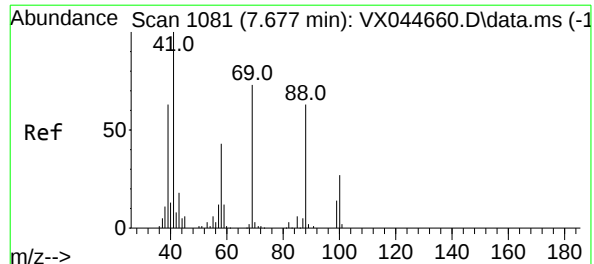
Tgt Ion: 43 Resp: 293976

Ion Ratio Lower Upper

43 100

61 21.3 16.2 24.4





#45

1,4-Dioxane

Concen: 1003.041 ug/l

RT: 7.671 min Scan# 1081

Delta R.T. -0.006 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion: 88 Resp: 56732

Ion Ratio Lower Upper

88 100

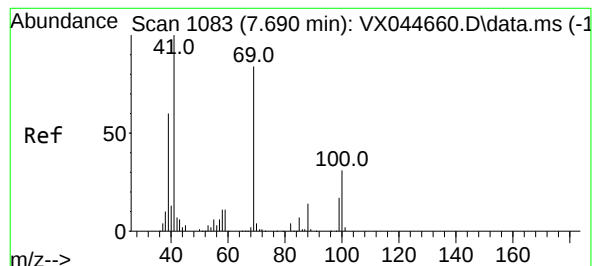
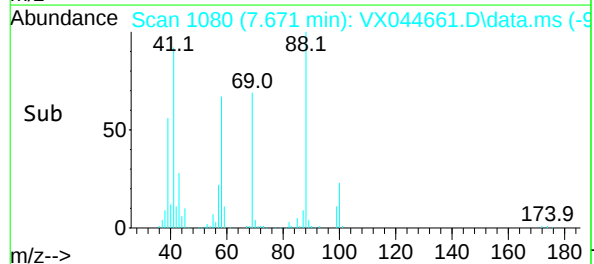
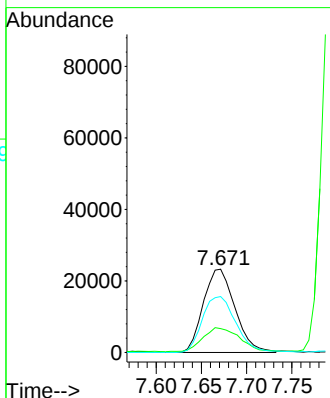
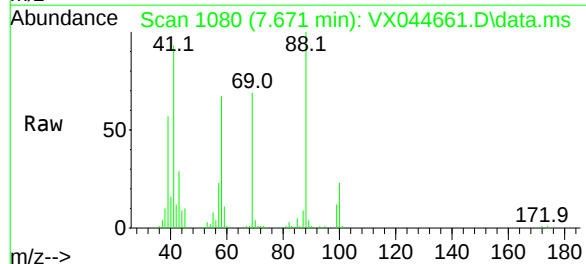
43 32.1 25.9 38.9

58 71.3 58.9 88.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#46

Methyl methacrylate

Concen: 50.033 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

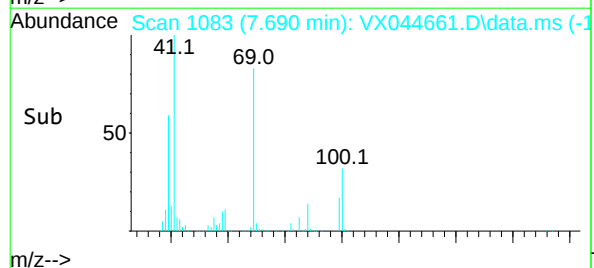
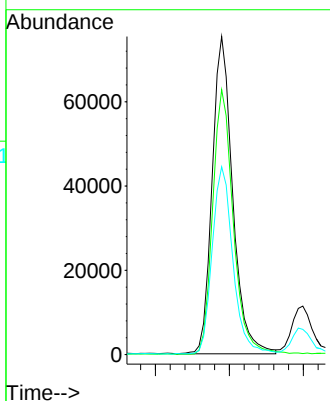
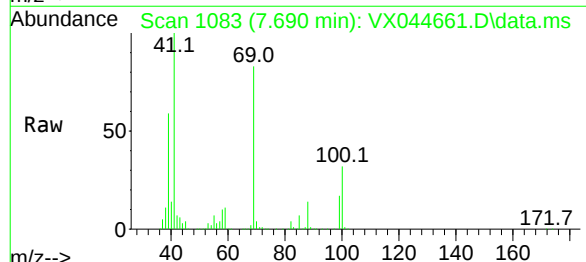
Tgt Ion: 41 Resp: 145468

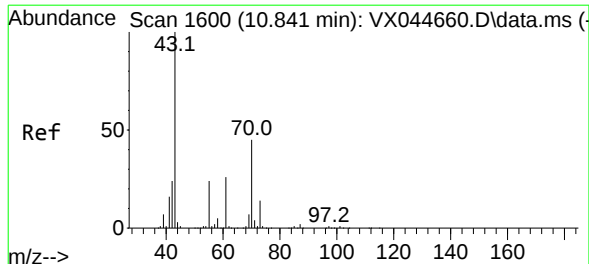
Ion Ratio Lower Upper

41 100

69 83.3 41.9 125.7

39 58.8 30.1 90.3





#47

n-amy1 Acetate

Concen: 49.948 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion: 43 Resp: 248981

Ion Ratio Lower Upper

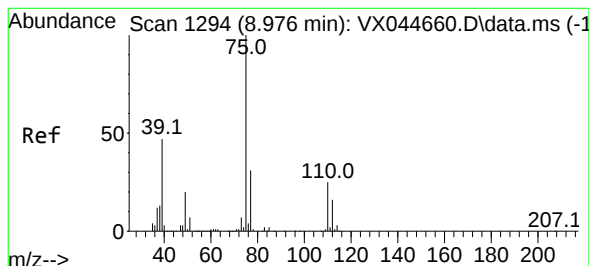
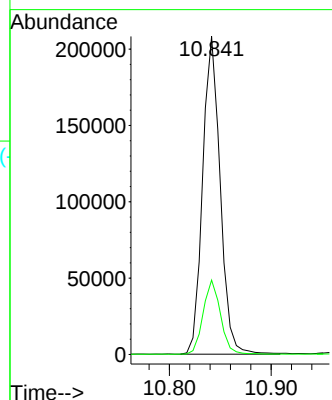
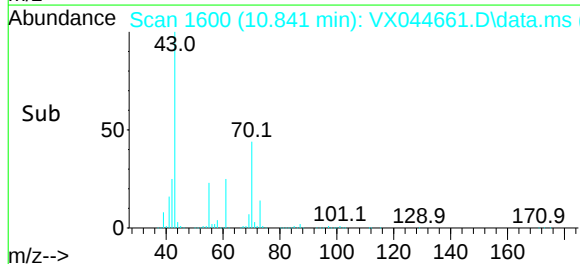
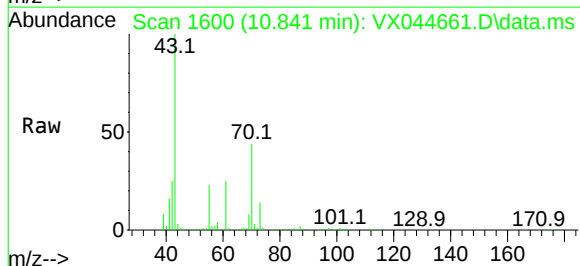
43 100

55 23.0 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#48

t-1,3-Dichloropropene

Concen: 50.138 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX044661.D

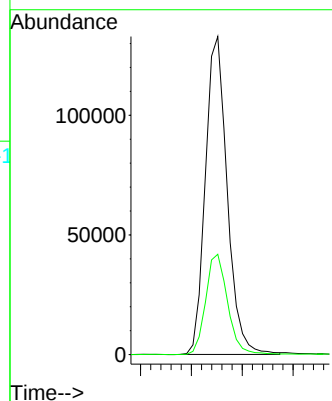
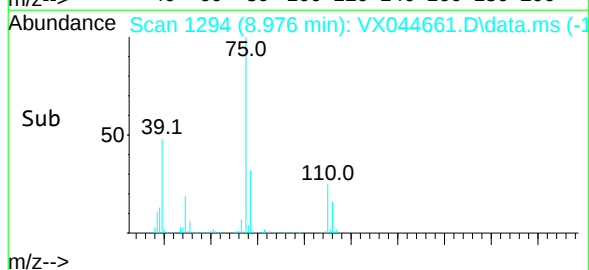
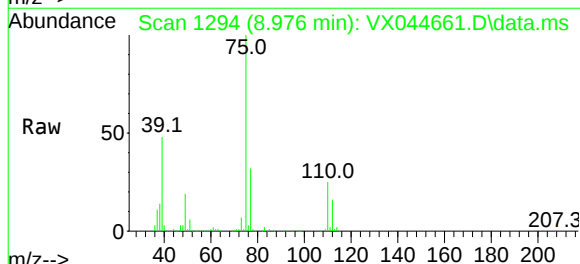
Acq: 16 Jan 2025 09:25

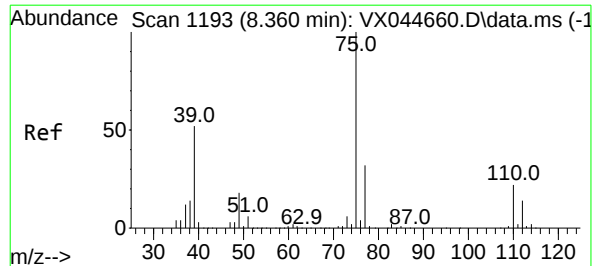
Tgt Ion: 75 Resp: 198307

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 49.856 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 75 Resp: 211446

Ion Ratio Lower Upper

75 100

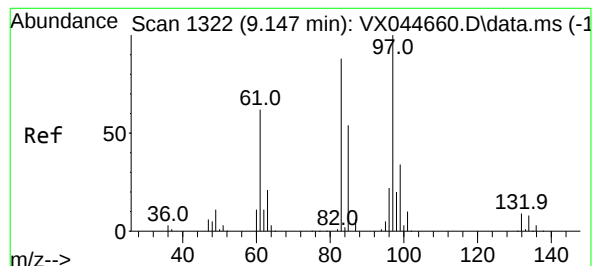
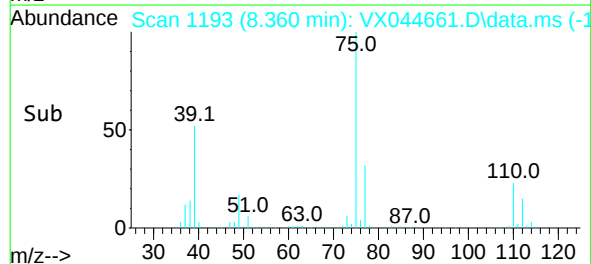
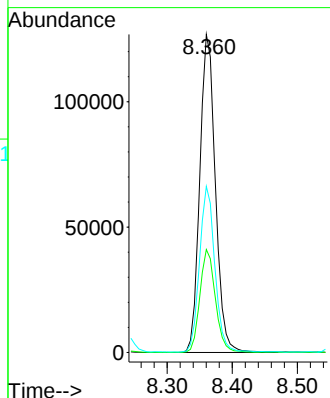
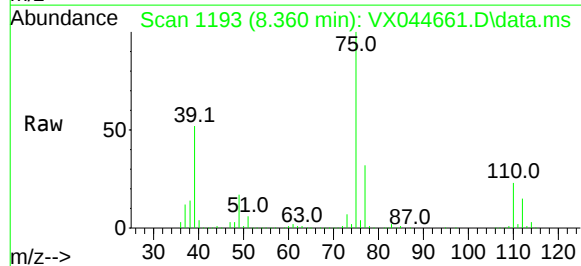
77 32.3 25.4 38.0

39 52.1 41.4 62.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025



#50

1,1,2-Trichloroethane

Concen: 50.024 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Tgt Ion: 97 Resp: 117115

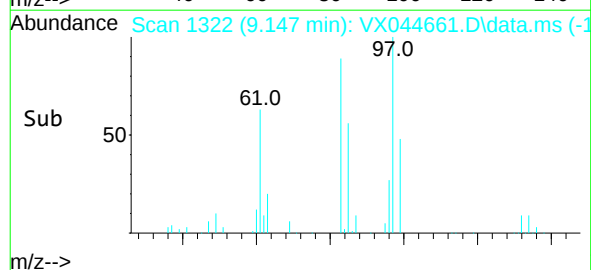
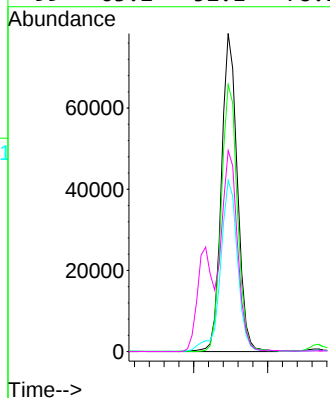
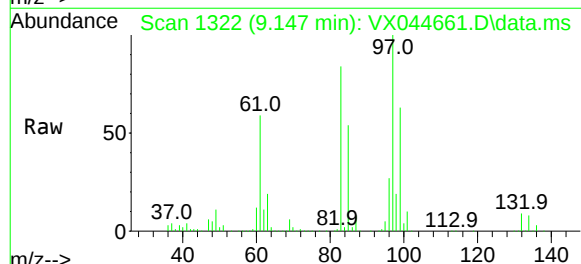
Ion Ratio Lower Upper

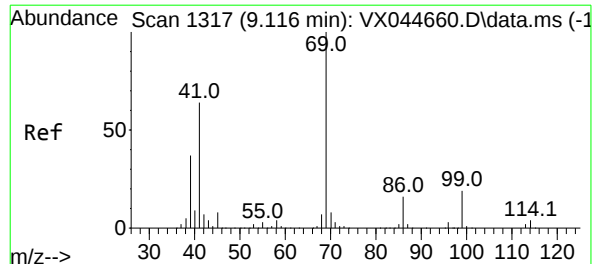
97 100

83 83.8 69.2 103.8

85 53.8 44.8 67.2

99 63.2 52.1 78.1





#51

Ethyl methacrylate

Concen: 50.954 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 69 Resp: 206891

Ion Ratio Lower Upper

69 100

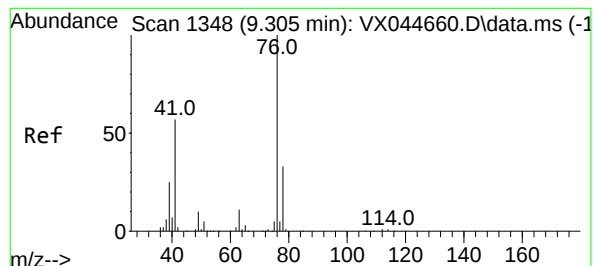
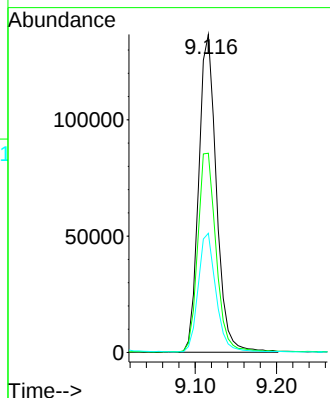
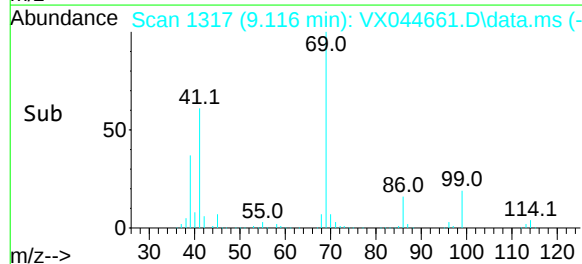
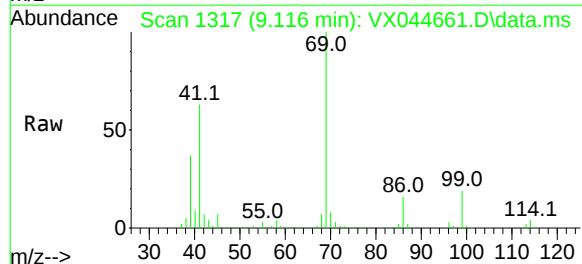
41 62.5 32.0 96.0

39 37.3 18.6 55.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#52

1,3-Dichloropropane

Concen: 49.275 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VX044661.D

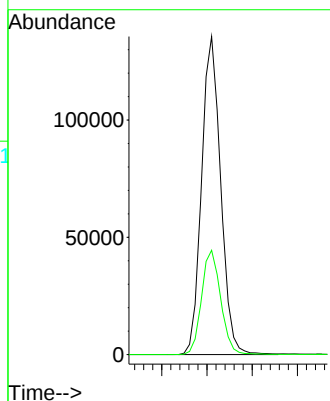
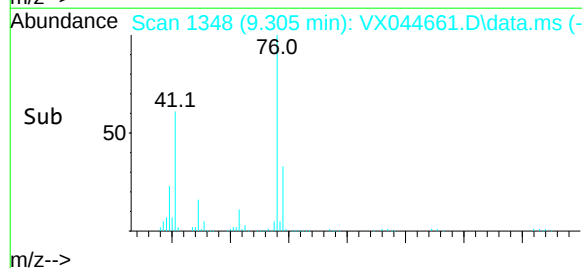
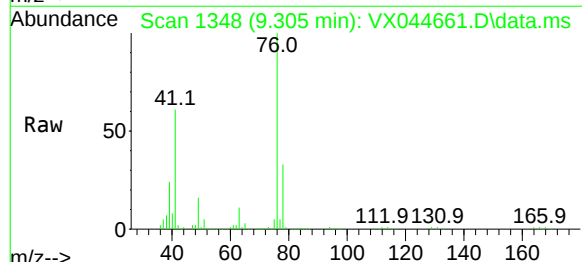
Acq: 16 Jan 2025 09:25

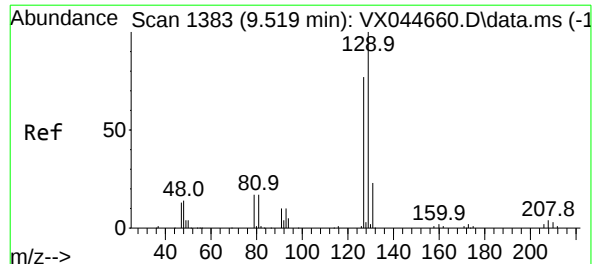
Tgt Ion: 76 Resp: 199192

Ion Ratio Lower Upper

76 100

78 32.9 0.0 64.0





#53

Dibromochloromethane

Concen: 49.404 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion:129 Resp: 137982

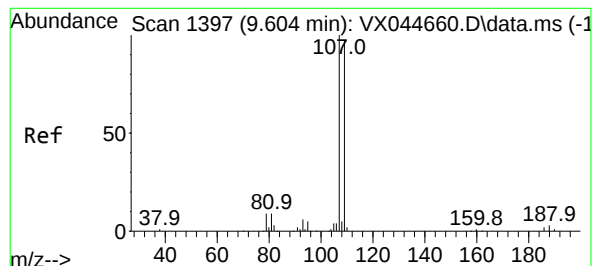
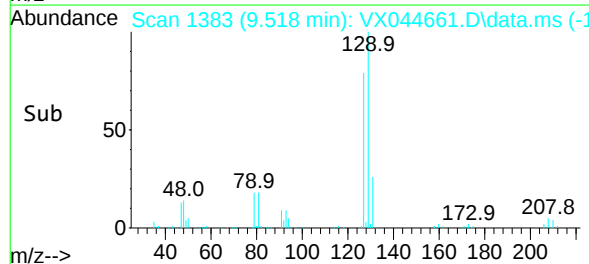
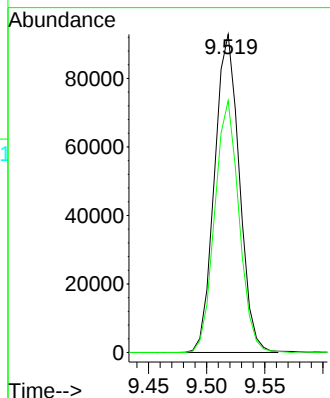
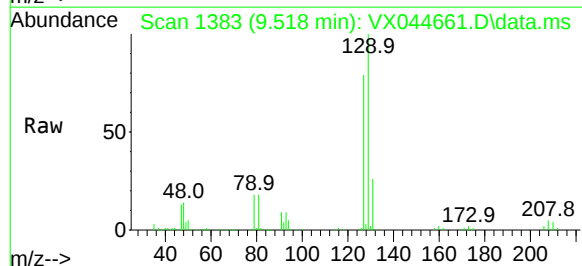
Ion Ratio Lower Upper

129 100

127 77.5 37.8 113.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#54

1,2-Dibromoethane

Concen: 49.646 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VX044661.D

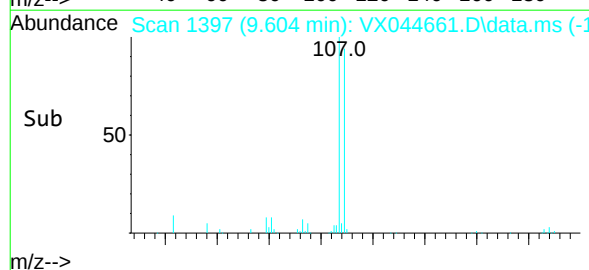
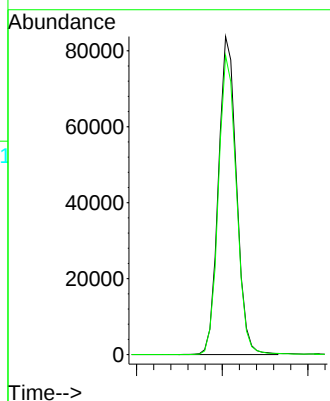
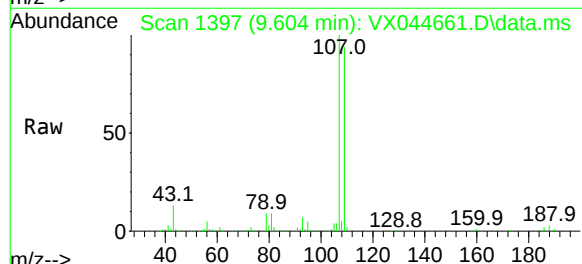
Acq: 16 Jan 2025 09:25

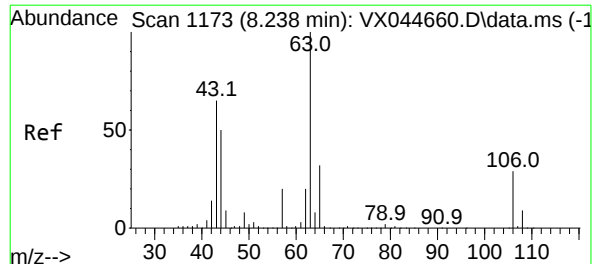
Tgt Ion:107 Resp: 122664

Ion Ratio Lower Upper

107 100

109 94.2 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 252.154 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

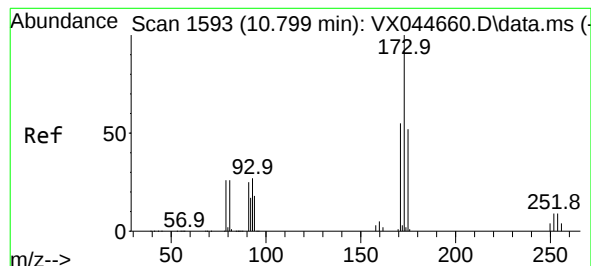
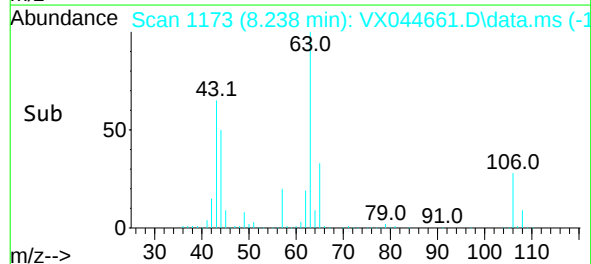
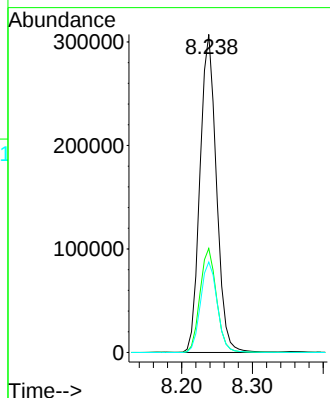
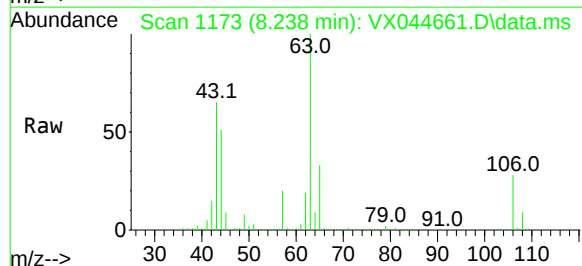
ClientSampleId :

VSTDIC050

Tgt Ion:	63	Resp:	496129
Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.8	38.6
106	28.9	23.1	34.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#56

Bromoform

Concen: 49.868 ug/l

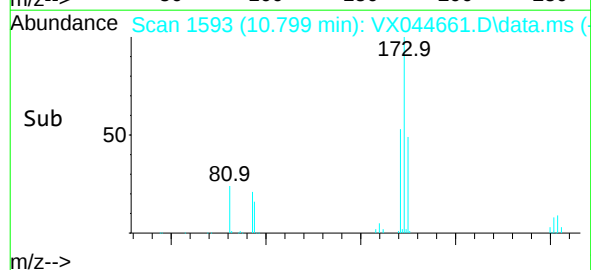
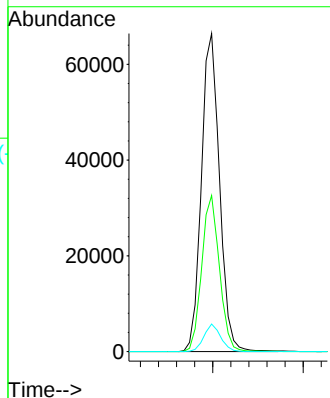
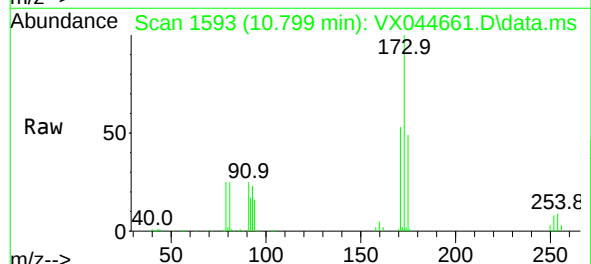
RT: 10.799 min Scan# 1593

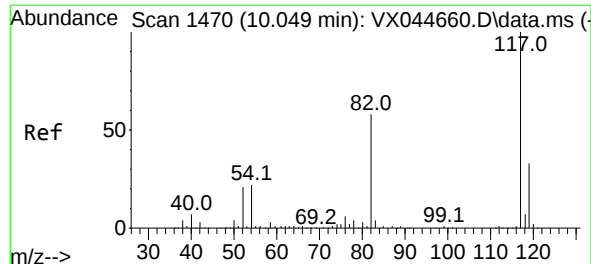
Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Tgt Ion:	173	Resp:	92355
Ion	Ratio	Lower	Upper
173	100		
175	47.9	39.0	58.6
254	8.0	6.5	9.7





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 117 Resp: 156058

Ion Ratio Lower Upper

117 100

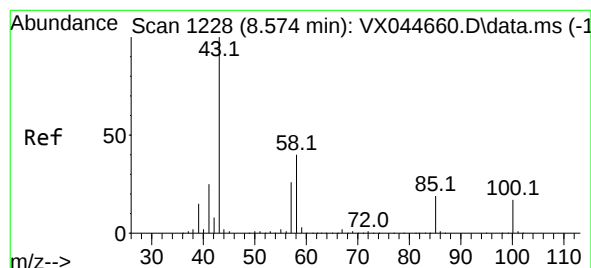
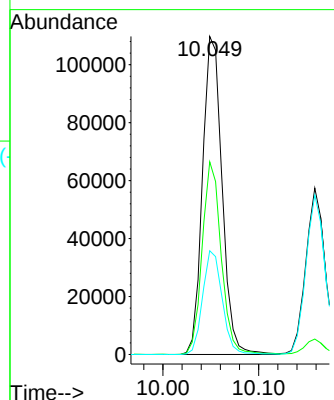
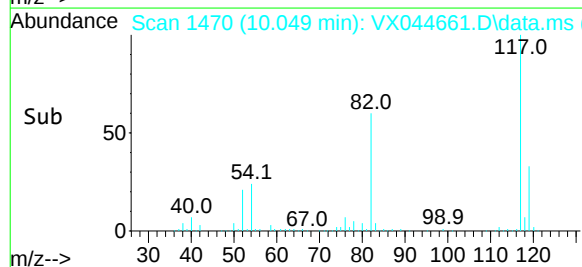
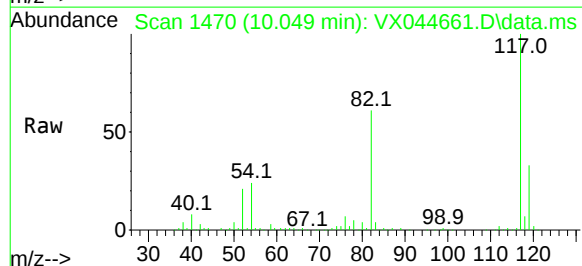
82 58.7 45.8 68.6

119 32.6 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025



#58

4-Methyl-2-Pentanone

Concen: 244.450 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

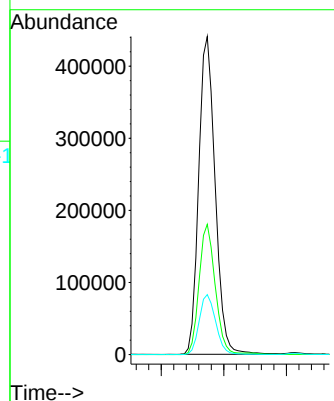
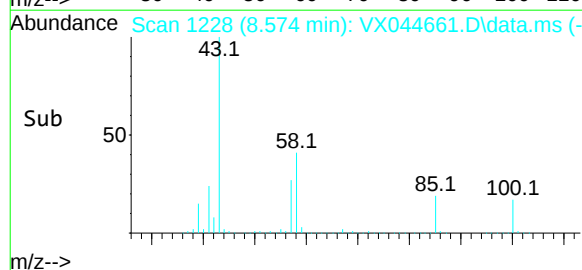
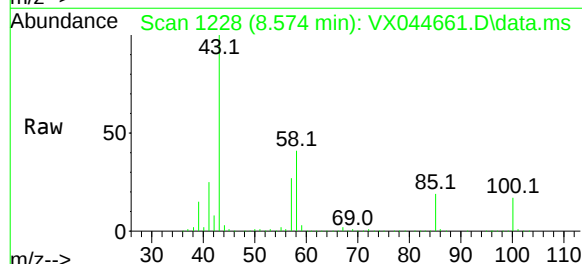
Tgt Ion: 43 Resp: 804113

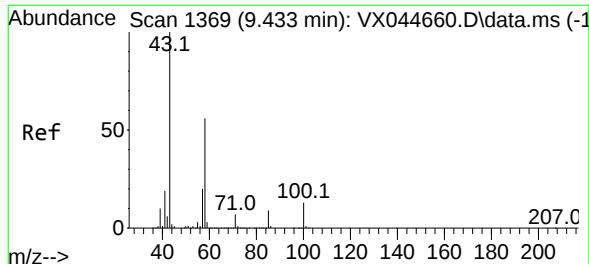
Ion Ratio Lower Upper

43 100

58 40.1 31.7 47.5

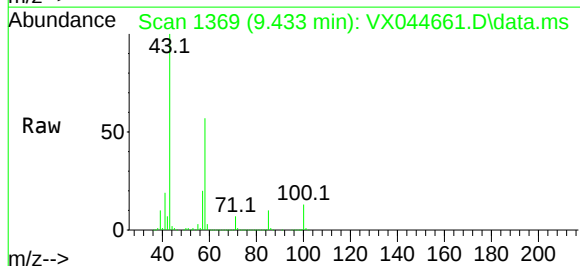
85 18.9 15.0 22.6





#59
2-Hexanone
Concen: 243.566 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VX044661.D
Acq: 16 Jan 2025 09:25

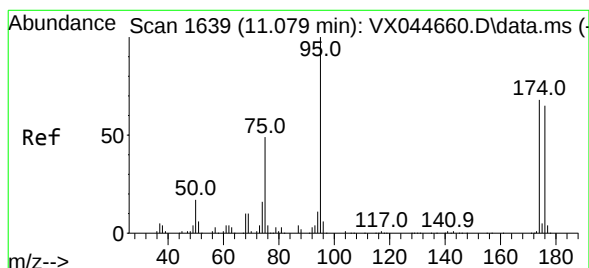
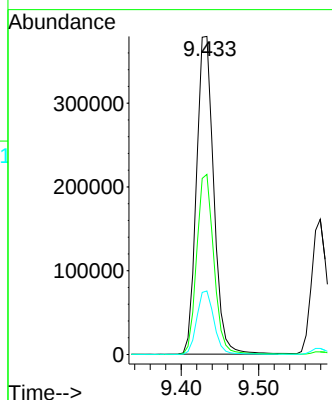
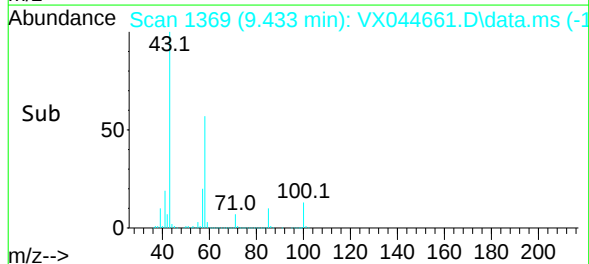
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050



Tgt Ion: 43 Resp: 586563
Ion Ratio Lower Upper
43 100
58 56.1 44.4 66.6
57 20.0 15.5 23.3

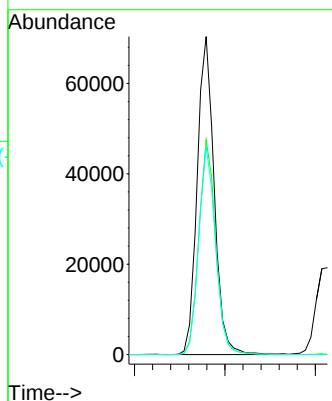
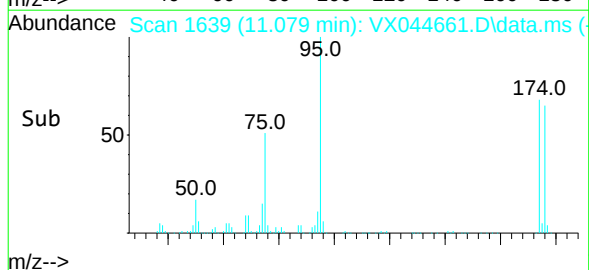
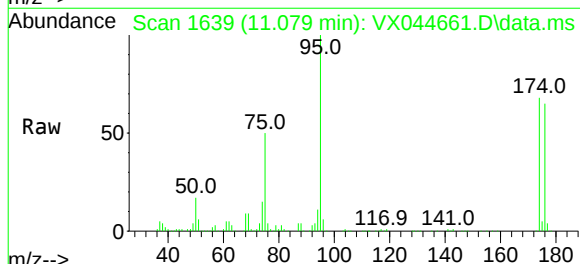
Manual Integrations
APPROVED

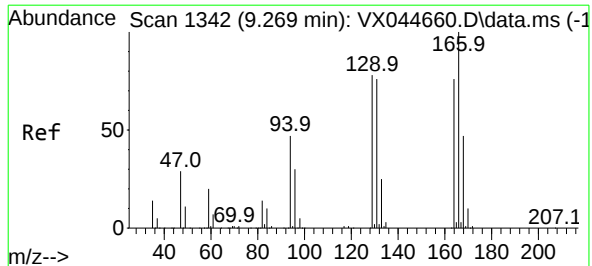
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#60
4-Bromofluorobenzene
Concen: 30.281 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044661.D
Acq: 16 Jan 2025 09:25

Tgt Ion: 95 Resp: 91788
Ion Ratio Lower Upper
95 100
174 66.9 54.6 81.8
176 64.6 52.8 79.2





#61

Tetrachloroethene

Concen: 48.479 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion:164 Resp: 90750

Ion Ratio Lower Upper

164 100

166 130.0 105.6 158.4

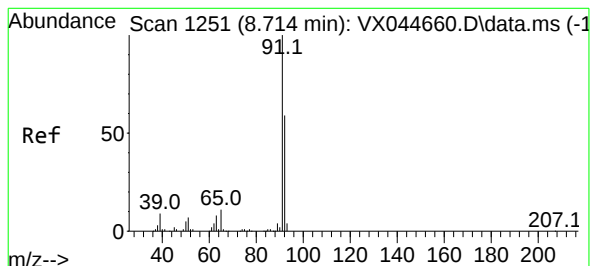
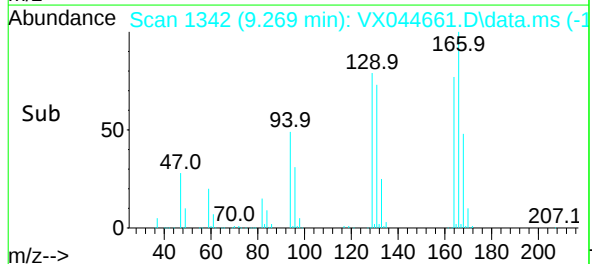
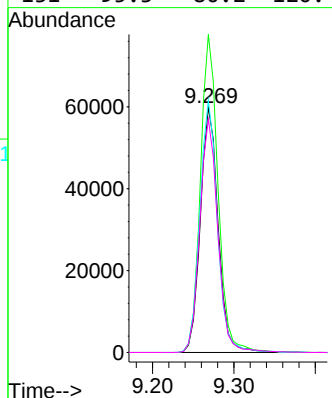
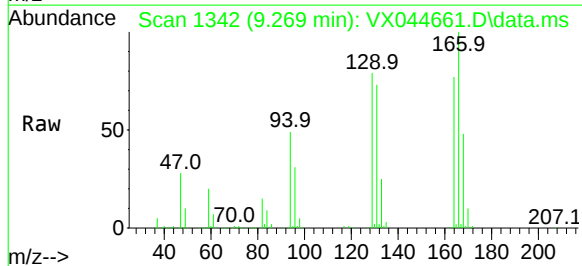
129 103.0 82.8 124.2

131 95.3 80.2 120.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025



#62

Toluene

Concen: 48.978 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX044661.D

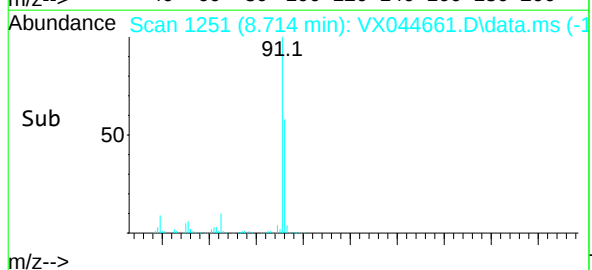
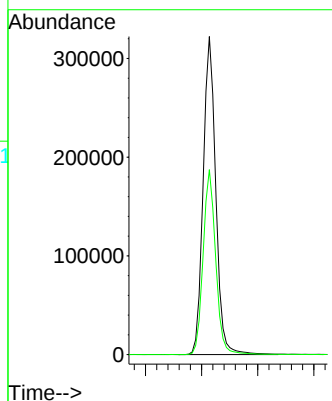
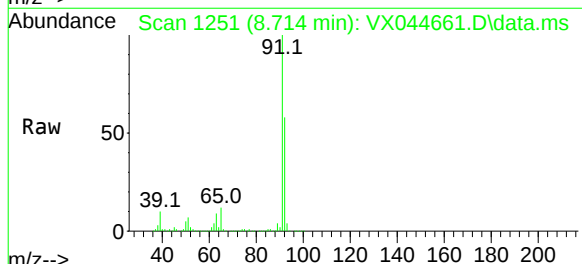
Acq: 16 Jan 2025 09:25

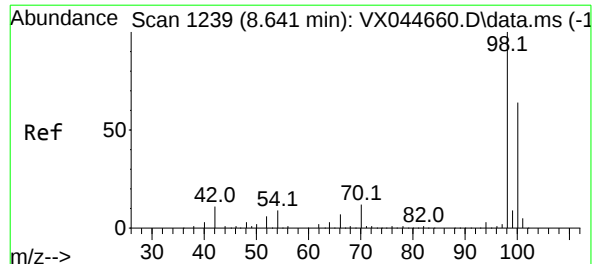
Tgt Ion: 91 Resp: 503289

Ion Ratio Lower Upper

91 100

92 57.9 47.3 70.9





#63

Toluene-d8

Concen: 29.819 ug/l

RT: 8.647 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion: 98 Resp: 253105

Ion Ratio Lower Upper

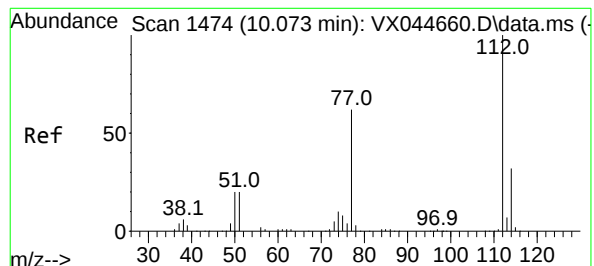
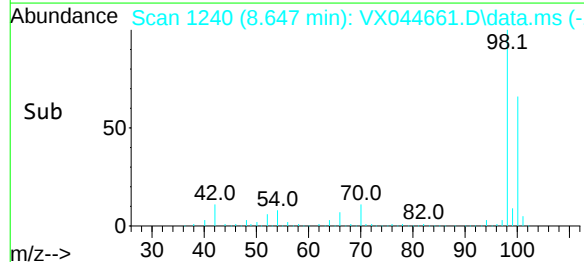
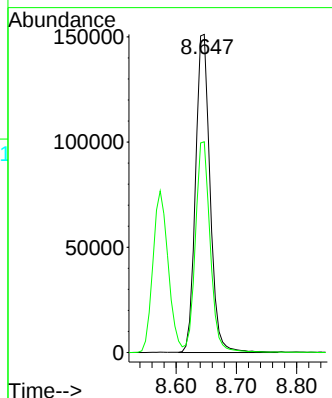
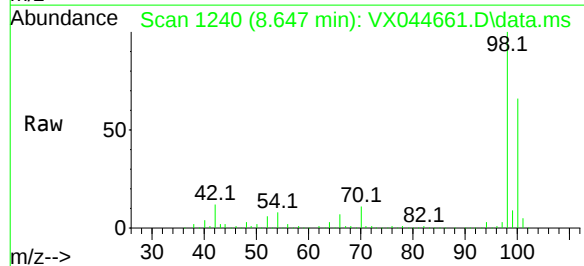
98 100

100 67.4 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#64

Chlorobenzene

Concen: 49.533 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. -0.000 min

Lab File: VX044661.D

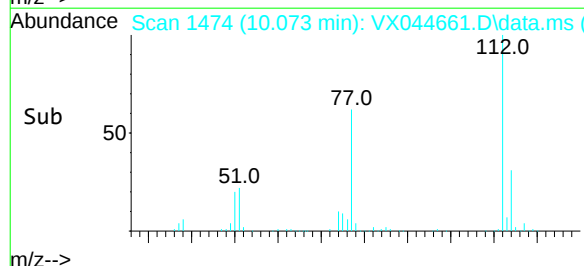
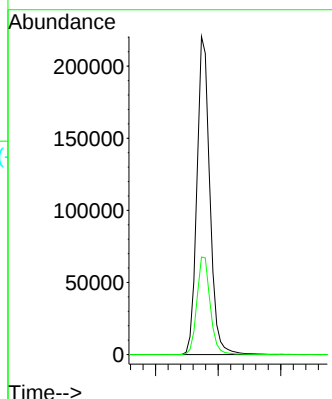
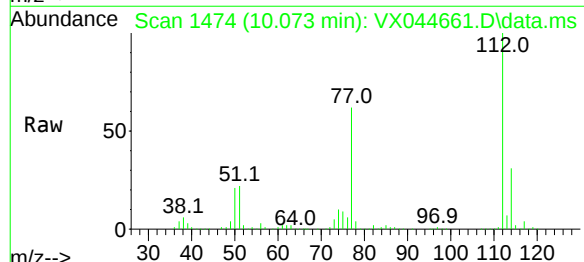
Acq: 16 Jan 2025 09:25

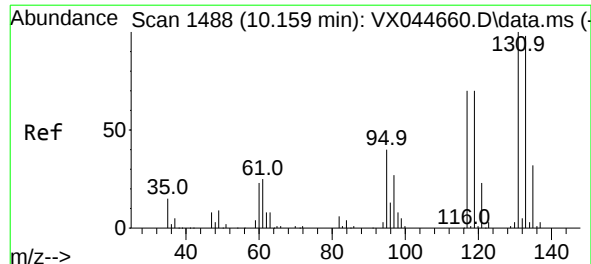
Tgt Ion:112 Resp: 316113

Ion Ratio Lower Upper

112 100

114 30.7 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 49.083 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

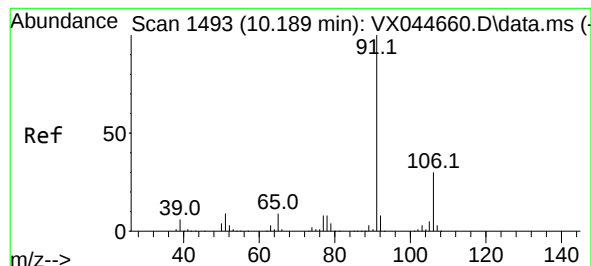
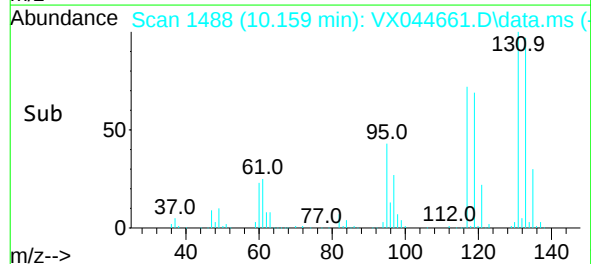
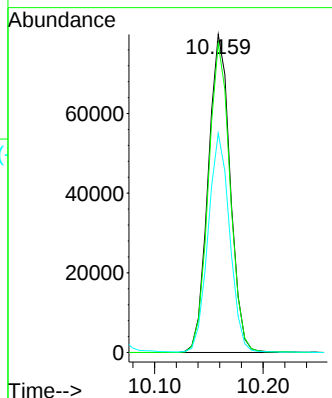
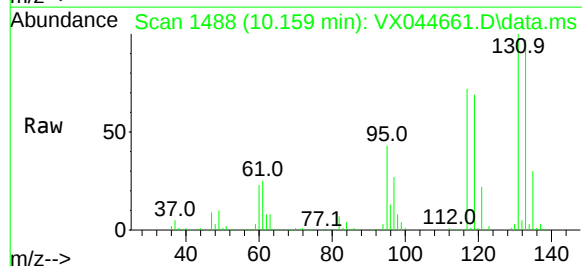
ClientSampleId :

VSTDIC050

Tgt Ion:	131	Resp:	112521
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	192.4
119	67.6	0.0	133.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#66

Ethyl Benzene

Concen: 49.310 ug/l

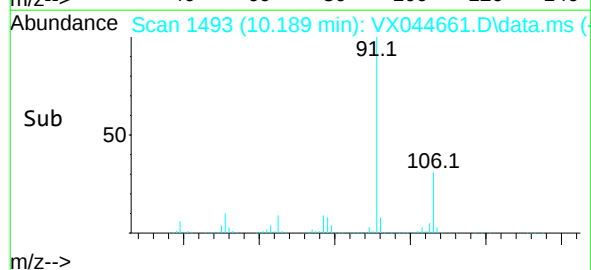
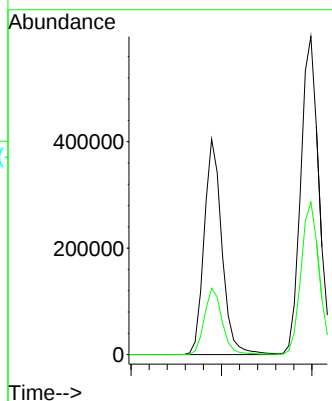
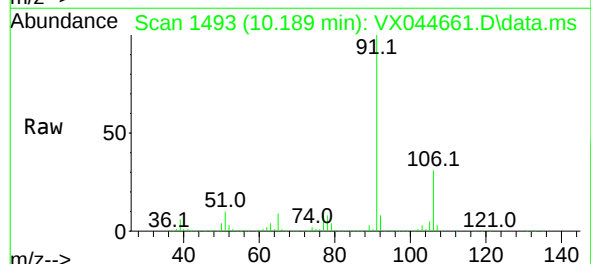
RT: 10.189 min Scan# 1493

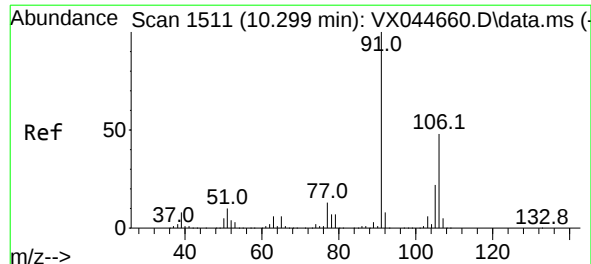
Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Tgt Ion:	91	Resp:	552973
Ion Ratio	Lower	Upper	
91	100		
106	30.8	24.0	36.0





#67

m/p-Xylenes

Concen: 98.422 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion:106 Resp: 405714

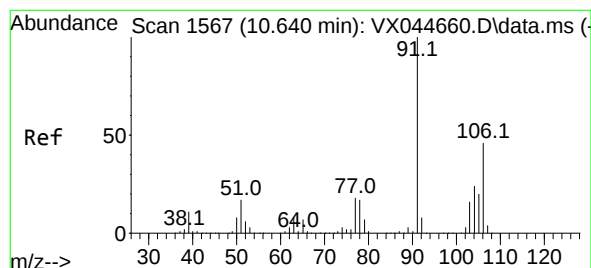
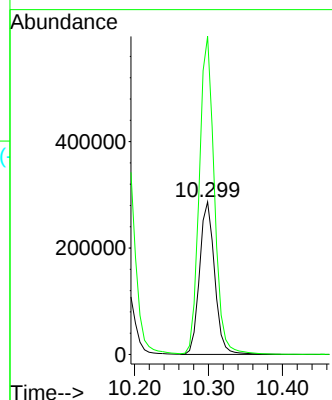
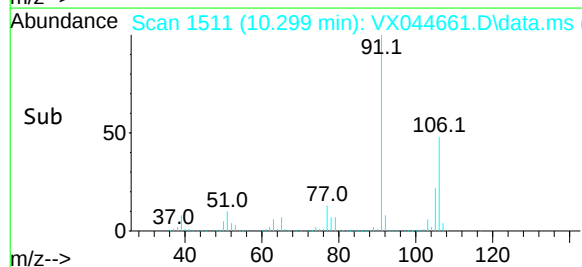
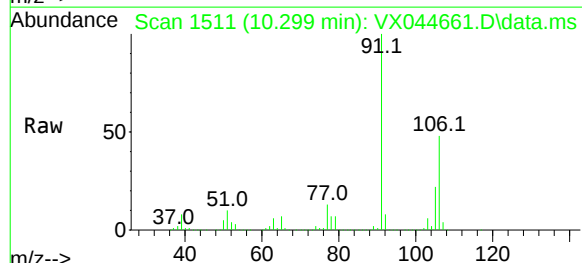
Ion Ratio Lower Upper

106 100

91 207.7 166.8 250.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#68

o-Xylene

Concen: 49.454 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044661.D

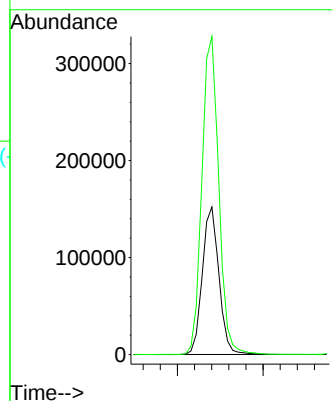
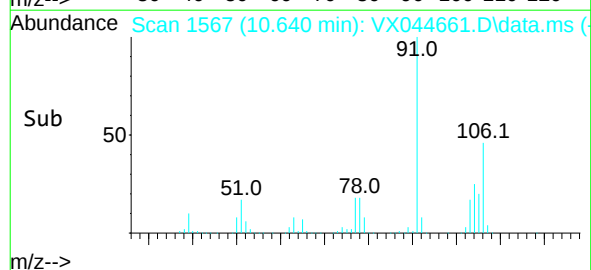
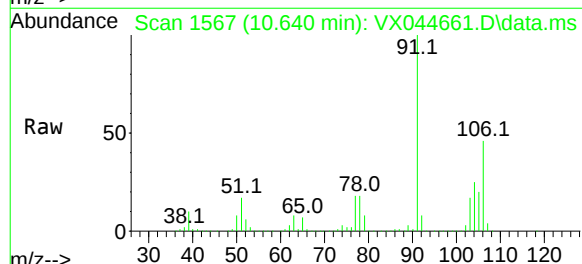
Acq: 16 Jan 2025 09:25

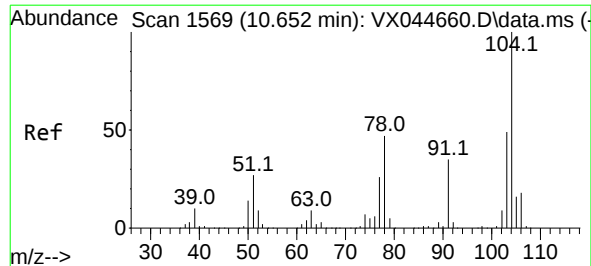
Tgt Ion:106 Resp: 204604

Ion Ratio Lower Upper

106 100

91 218.7 109.7 329.1





#69

Styrene

Concen: 49.440 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

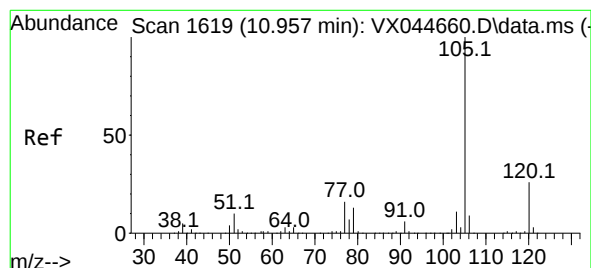
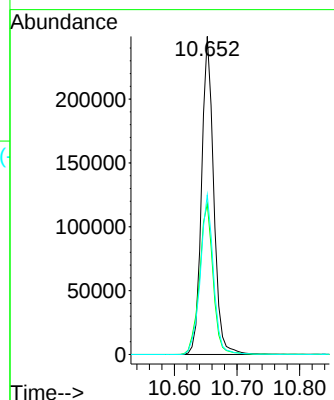
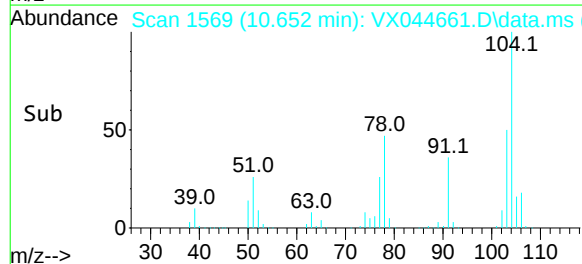
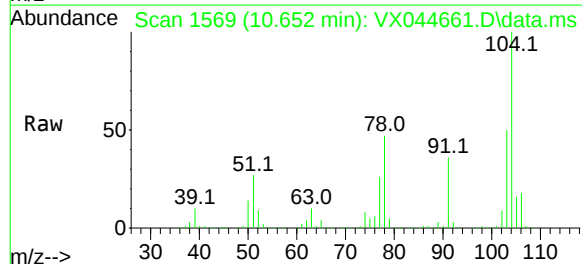
ClientSampleId :

VSTDIC050

Tgt Ion:	104	Resp:	335834
Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.0	63.0
103	54.2	43.1	64.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#70

Isopropylbenzene

Concen: 48.560 ug/l

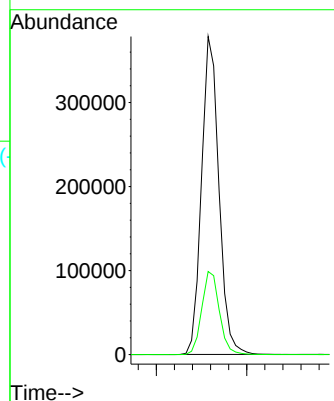
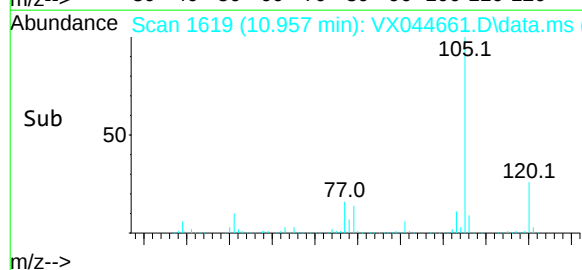
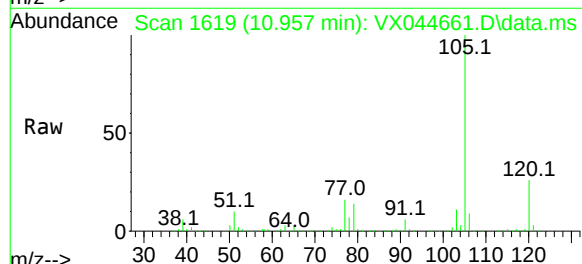
RT: 10.957 min Scan# 1619

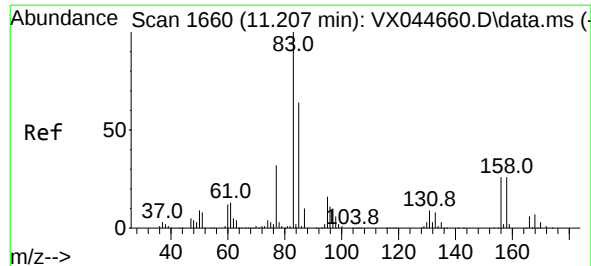
Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Tgt Ion:	105	Resp:	505061
Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 48.244 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.006 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

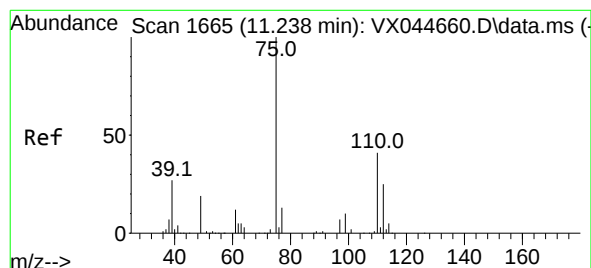
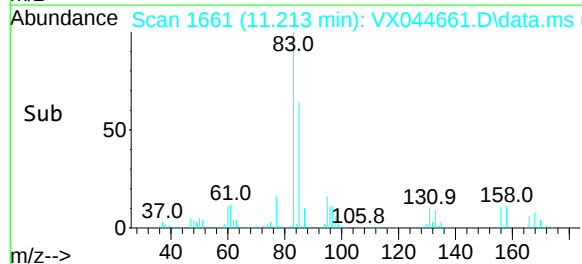
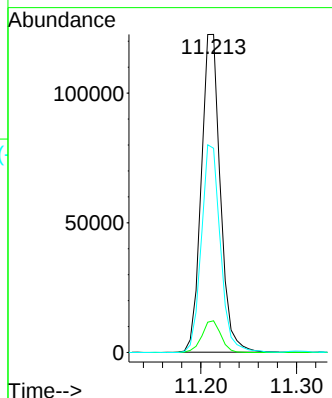
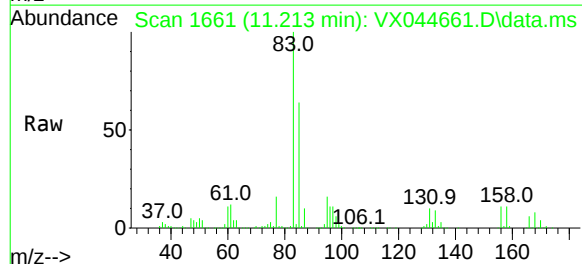
VSTDICC050

Tgt Ion:	83	Resp:	168965
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	65.6	33.0	99.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#72

1,2,3-Trichloropropane

Concen: 49.476 ug/l m

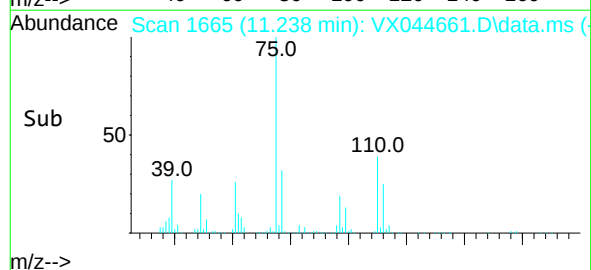
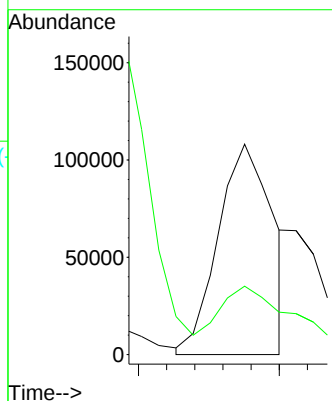
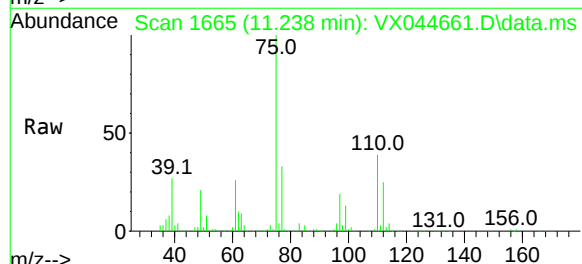
RT: 11.238 min Scan# 1665

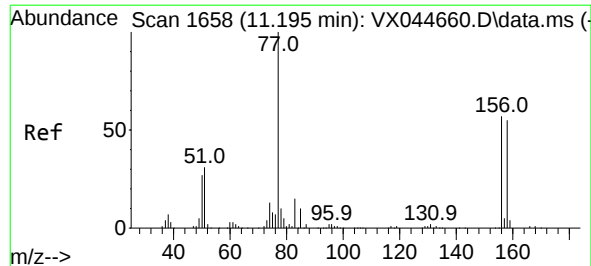
Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Tgt Ion:	75	Resp:	145534
Ion	Ratio	Lower	Upper
75	100		
77	45.7	0.0	83.0





#73

Bromobenzene

Concen: 49.194 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

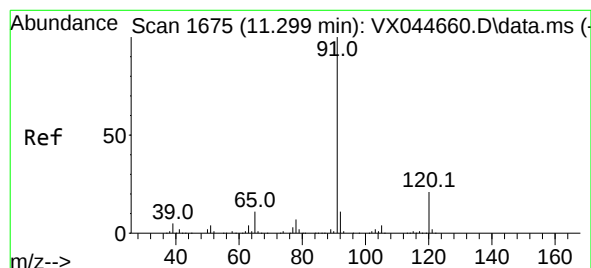
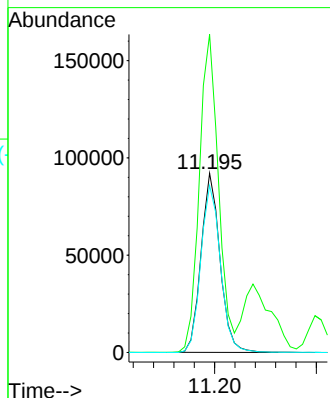
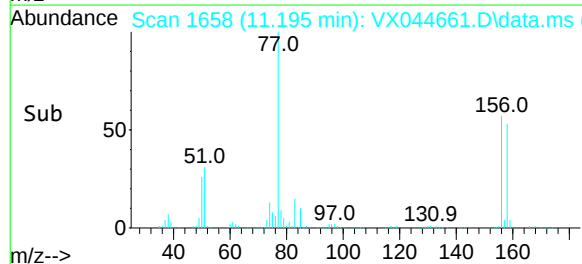
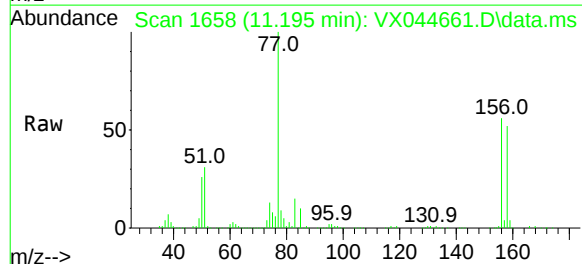
ClientSampleId :

VSTDIC050

Tgt Ion:	156	Resp:	119195
Ion	Ratio	Lower	Upper
156	100		
77	179.5	0.0	354.6
158	96.7	0.0	193.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#74

n-propylbenzene

Concen: 49.219 ug/l

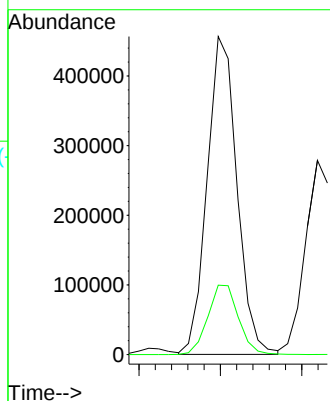
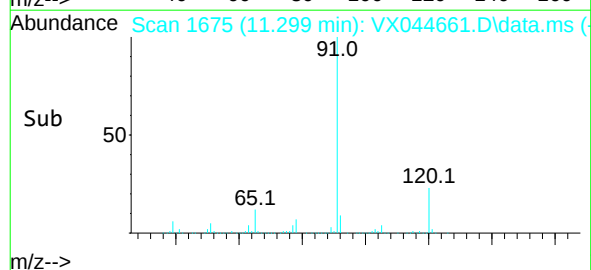
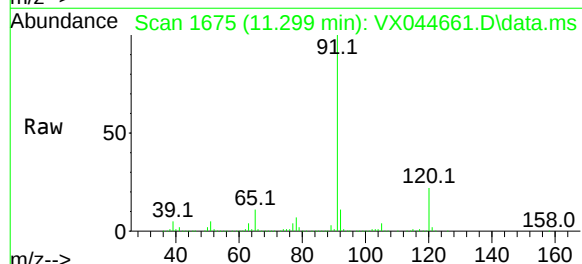
RT: 11.299 min Scan# 1675

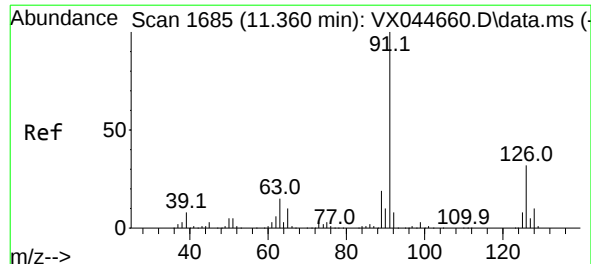
Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Tgt Ion:	91	Resp:	581862
Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	45.0





#75

2-Chlorotoluene

Concen: 49.004 ug/l

RT: 11.360 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion: 91 Resp: 364136

Ion Ratio Lower Upper

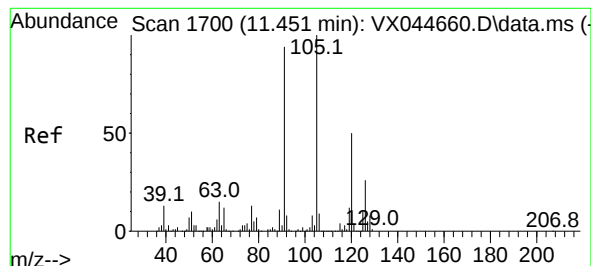
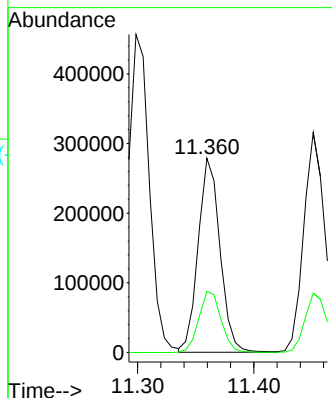
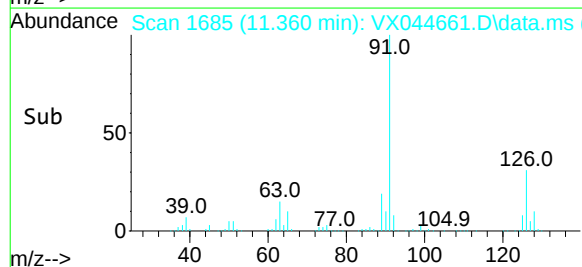
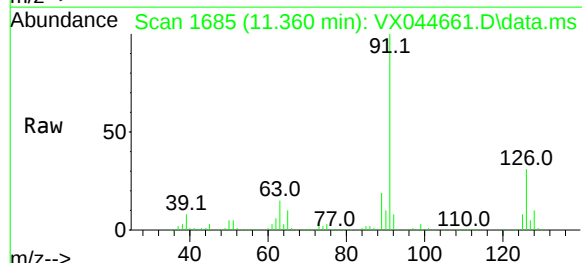
91 100

126 32.2 0.0 64.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#76

1,3,5-Trimethylbenzene

Concen: 49.342 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044661.D

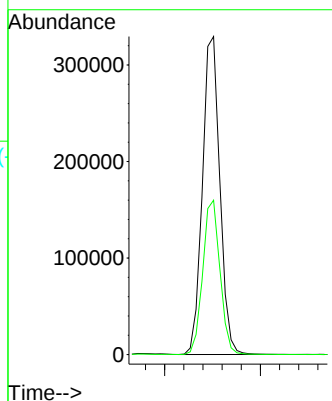
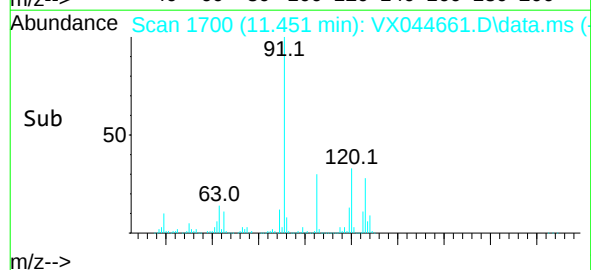
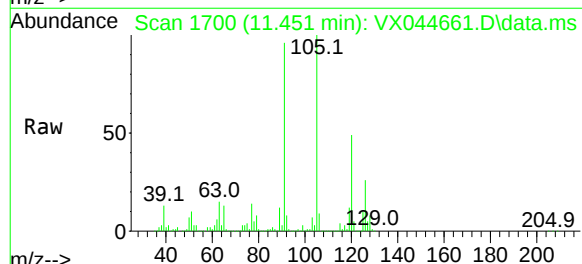
Acq: 16 Jan 2025 09:25

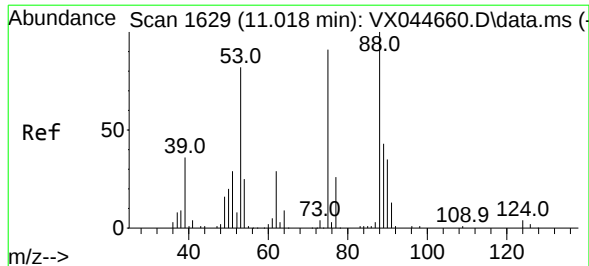
Tgt Ion:105 Resp: 416769

Ion Ratio Lower Upper

105 100

120 48.1 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 48.369 ug/l

RT: 11.018 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

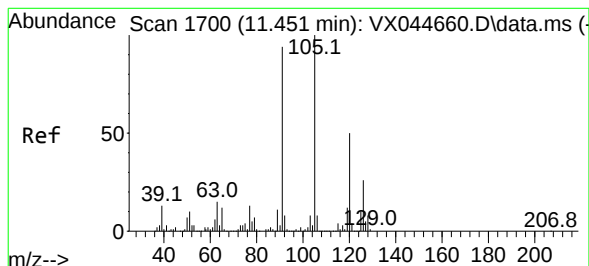
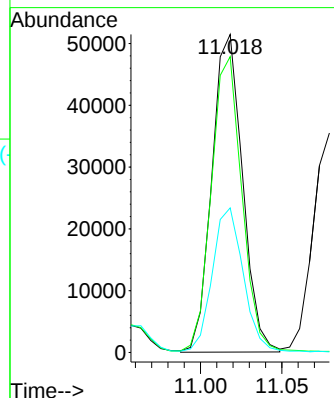
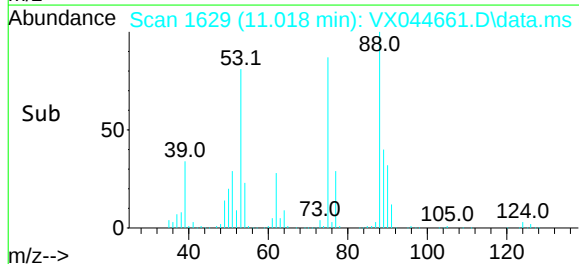
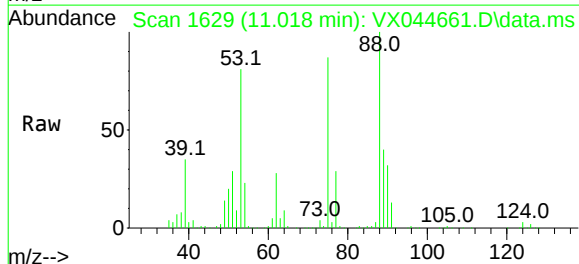
ClientSampleId :

VSTDICC050

Tgt Ion:	75	Resp:	67311
Ion	Ratio	Lower	Upper
75	100		
53	93.0	45.3	135.9
89	45.3	23.8	71.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#78

4-Chlorotoluene

Concen: 49.323 ug/l

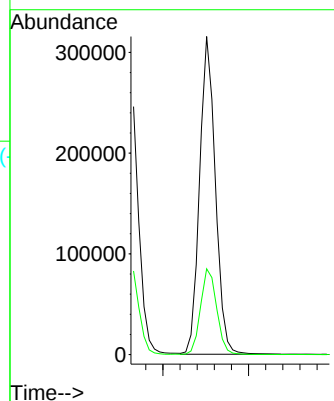
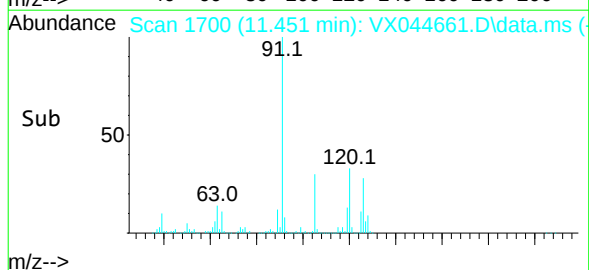
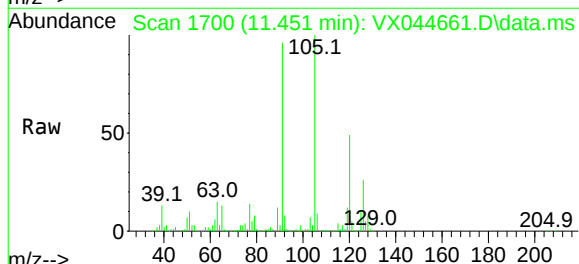
RT: 11.451 min Scan# 1700

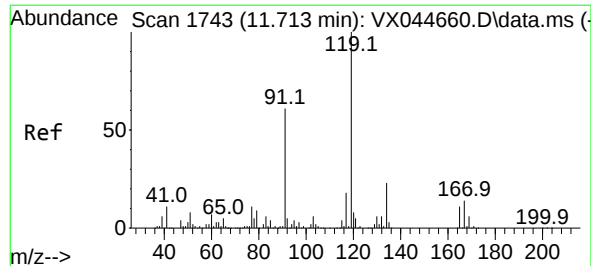
Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Tgt Ion:	91	Resp:	403646
Ion	Ratio	Lower	Upper
91	100		
126	27.4	0.0	55.4





#79

tert-butylbenzene

Concen: 48.705 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion:119 Resp: 422625

Ion Ratio Lower Upper

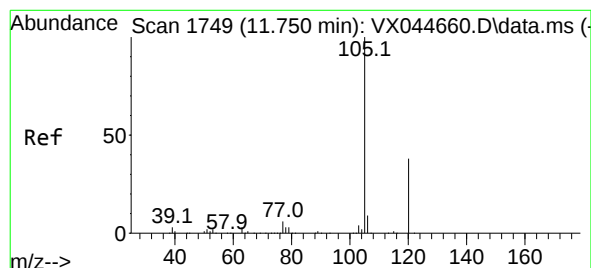
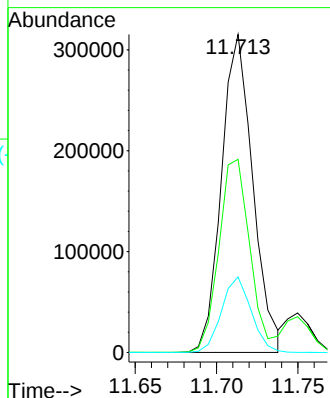
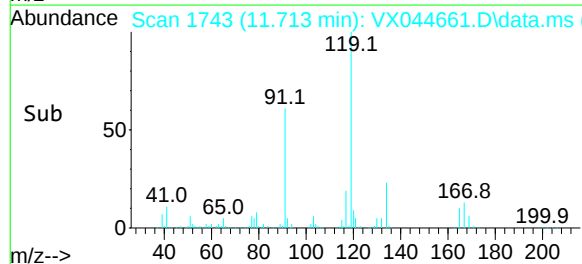
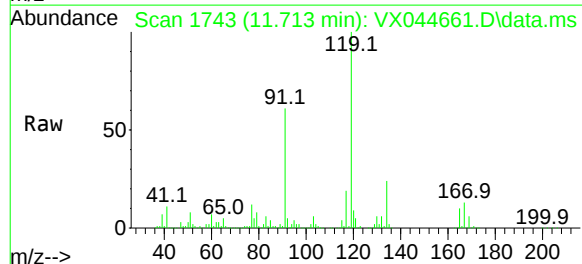
119 100

91 59.3 0.0 119.0

134 22.5 0.0 44.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#80

1,2,4-Trimethylbenzene

Concen: 48.906 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044661.D

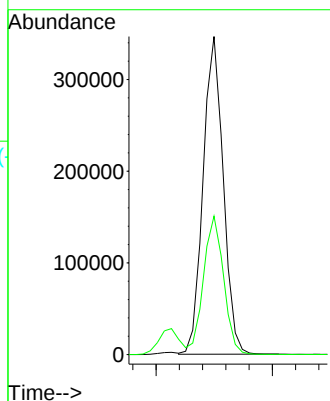
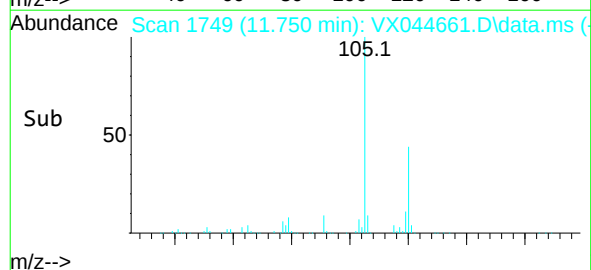
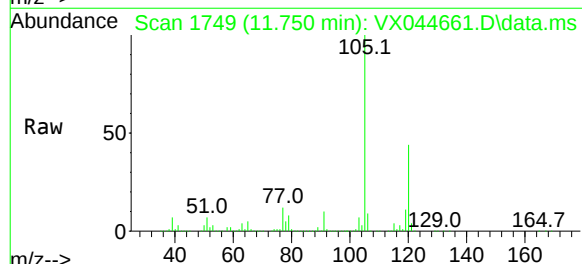
Acq: 16 Jan 2025 09:25

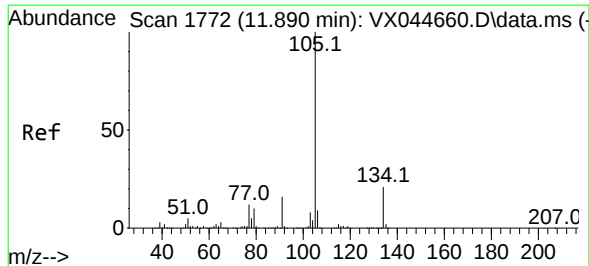
Tgt Ion:105 Resp: 416772

Ion Ratio Lower Upper

105 100

120 43.7 0.0 88.4





#81

sec-Butylbenzene

Concen: 48.863 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion:105 Resp: 506286

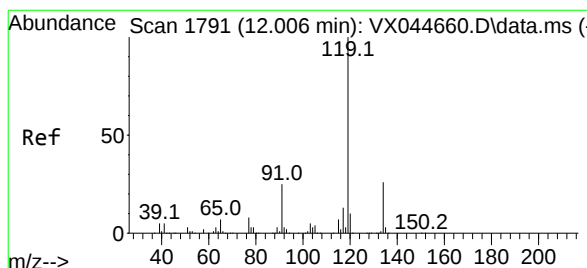
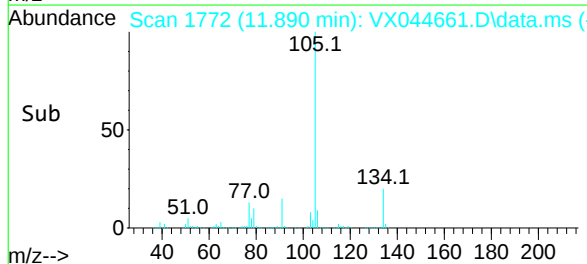
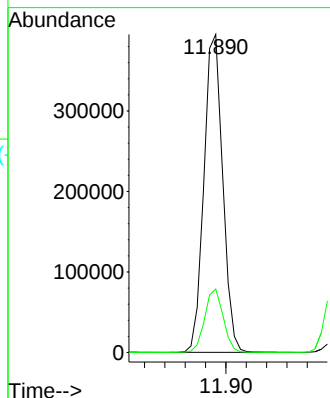
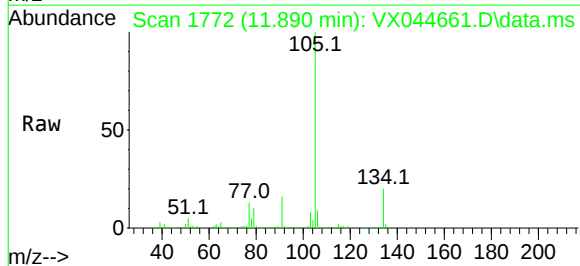
Ion Ratio Lower Upper

105 100

134 19.8 0.0 39.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#82

p-Isopropyltoluene

Concen: 48.855 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

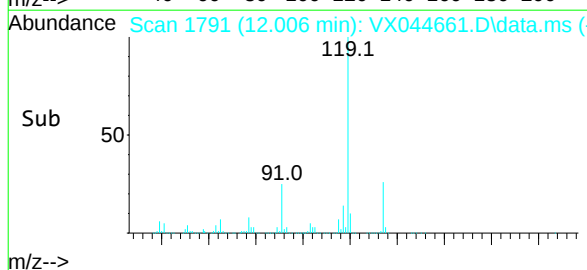
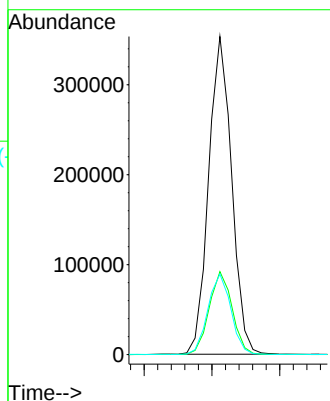
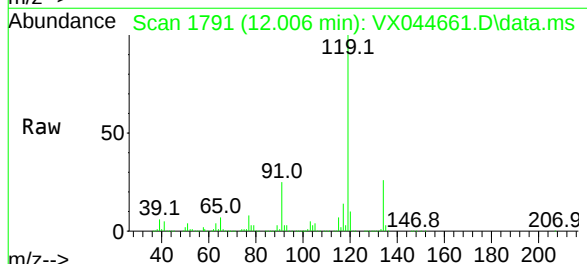
Tgt Ion:119 Resp: 416615

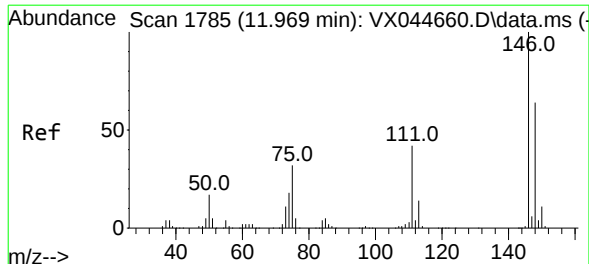
Ion Ratio Lower Upper

119 100

134 26.1 0.0 52.2

91 25.3 0.0 50.2





#83

1,3-Dichlorobenzene

Concen: 49.501 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tgt Ion:146 Resp: 213035

Ion Ratio Lower Upper

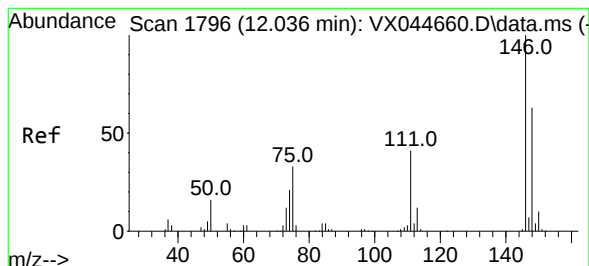
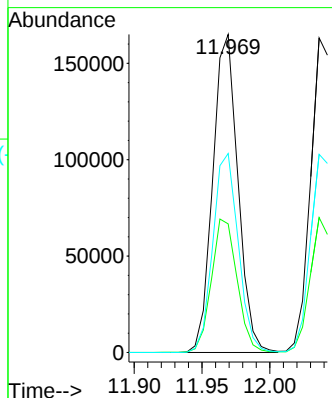
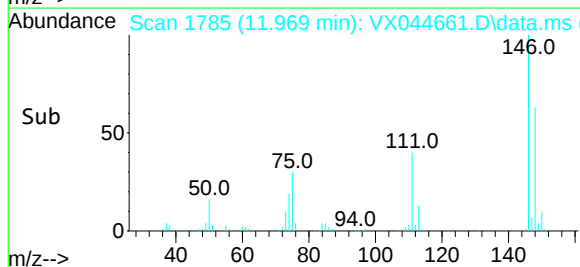
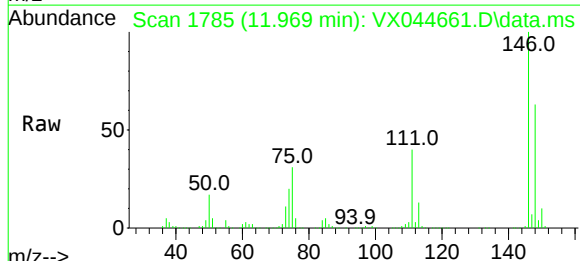
146 100

111 42.8 21.6 64.6

148 63.3 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#84

1,4-Dichlorobenzene

Concen: 49.151 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

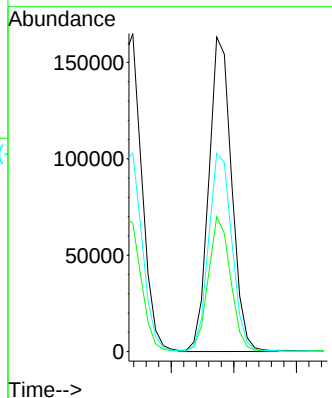
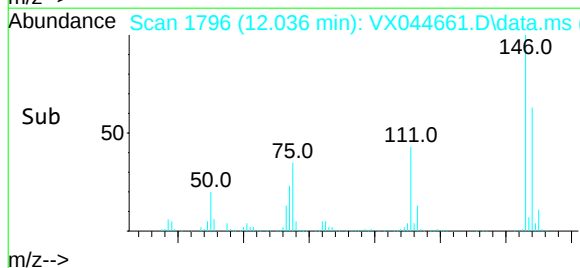
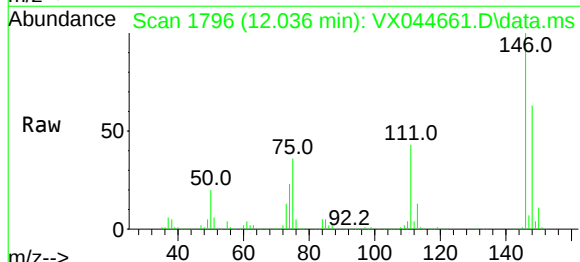
Tgt Ion:146 Resp: 207367

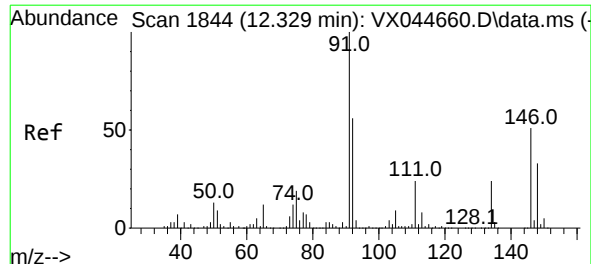
Ion Ratio Lower Upper

146 100

111 41.5 20.8 62.5

148 64.5 32.1 96.5





#85

n-Butylbenzene

Concen: 49.510 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044661.D

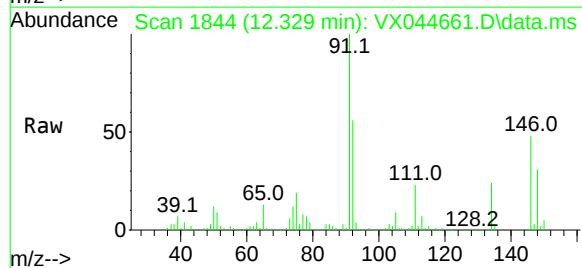
Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050



Tgt Ion: 91 Resp: 365981

Ion Ratio Lower Upper

91 100

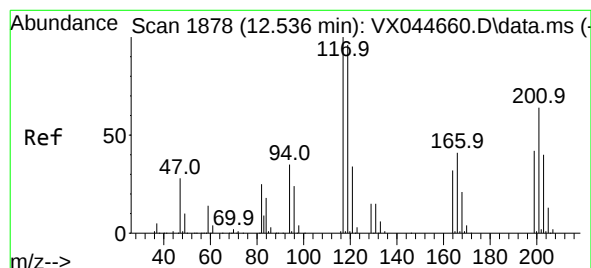
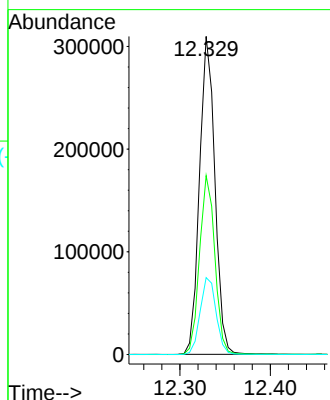
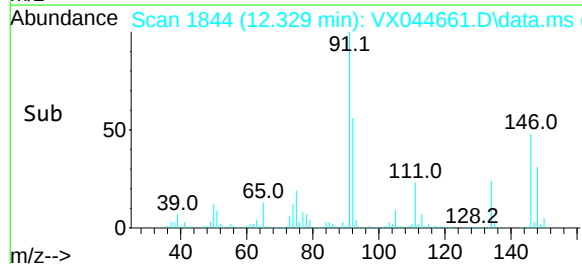
92 56.0 0.0 109.4

134 25.2 0.0 49.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#86

Hexachloroethane

Concen: 47.953 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044661.D

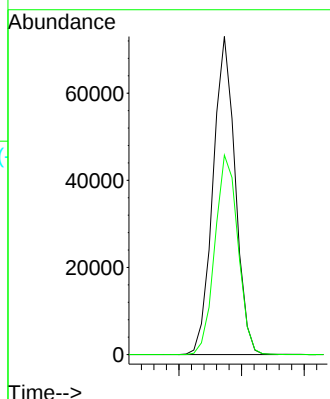
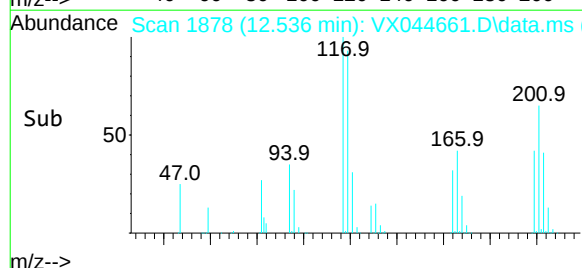
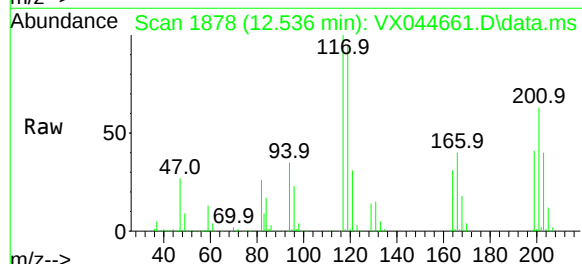
Acq: 16 Jan 2025 09:25

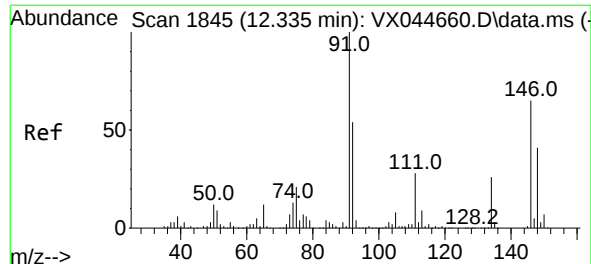
Tgt Ion:117 Resp: 89957

Ion Ratio Lower Upper

117 100

201 65.1 33.0 98.9





#87

1,2-Dichlorobenzene

Concen: 49.399 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

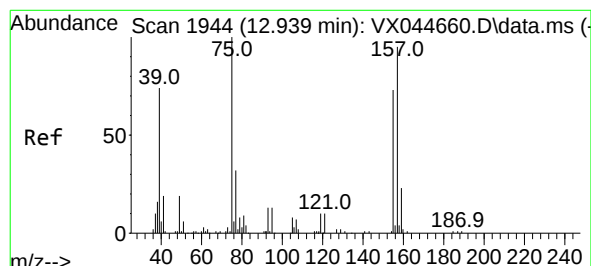
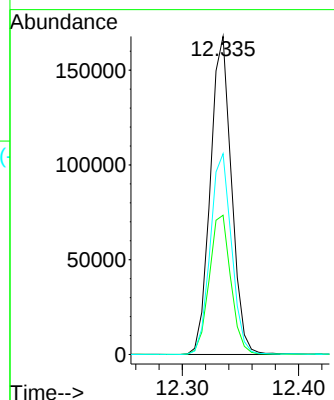
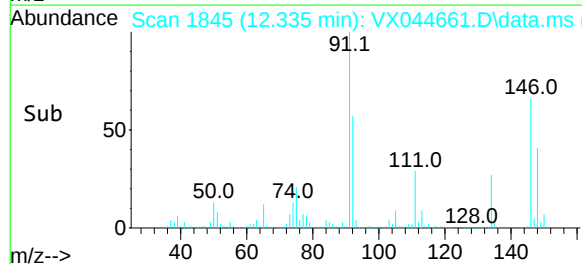
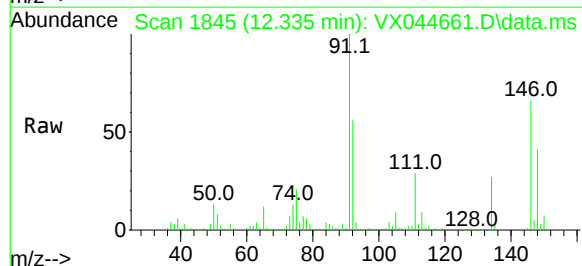
VSTDIC050

Tgt Ion:	146	Resp:	212294
Ion Ratio	Lower	Upper	
146	100		
111	44.7	22.2	66.6
148	63.5	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#88

1,2-Dibromo-3-Chloropropane

Concen: 47.378 ug/l

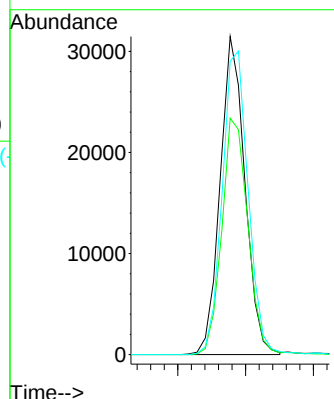
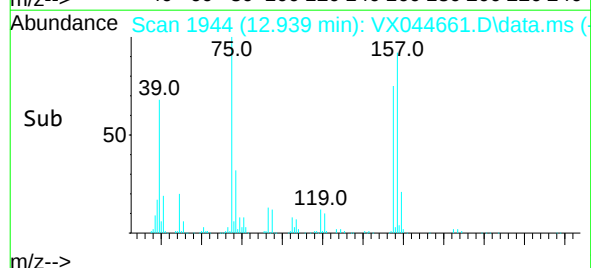
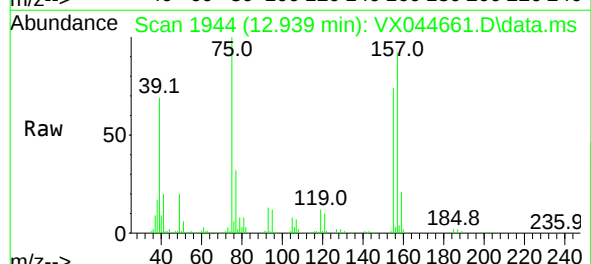
RT: 12.939 min Scan# 1944

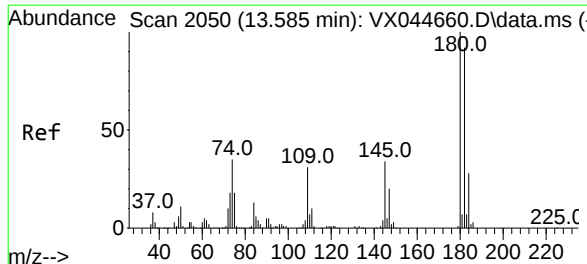
Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Tgt Ion:	75	Resp:	39899
Ion Ratio	Lower	Upper	
75	100		
155	77.7	62.3	93.5
157	100.2	79.9	119.9





#89

1,2,4-Trichlorobenzene

Concen: 49.284 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tgt Ion:180 Resp: 131622

Ion Ratio Lower Upper

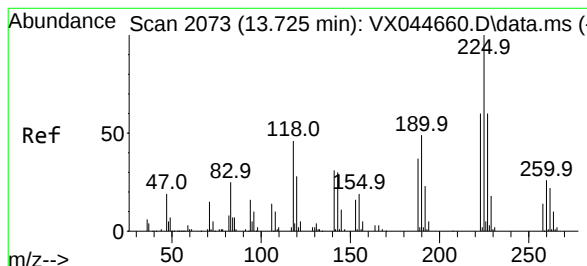
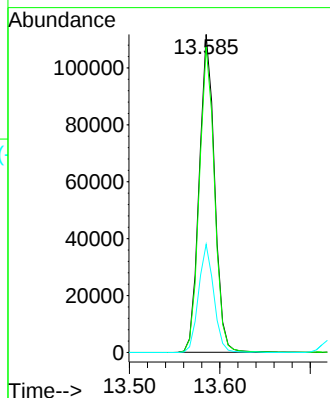
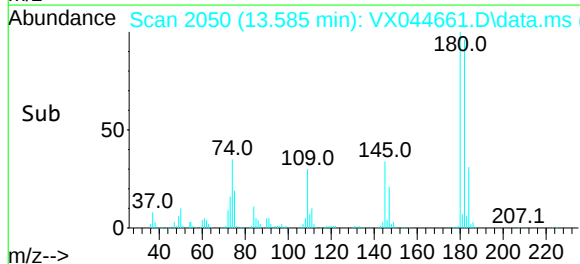
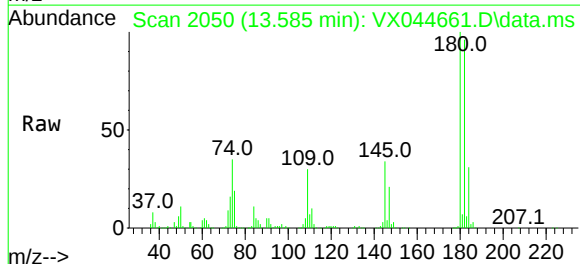
180 100

182 95.2 75.6 113.4

145 33.7 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#90

Hexachlorobutadiene

Concen: 47.882 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

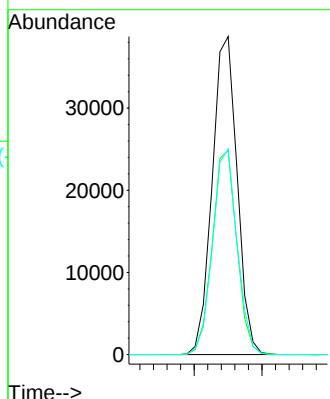
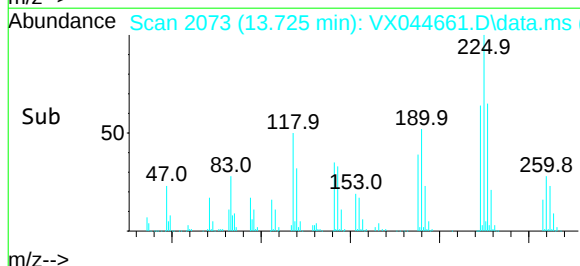
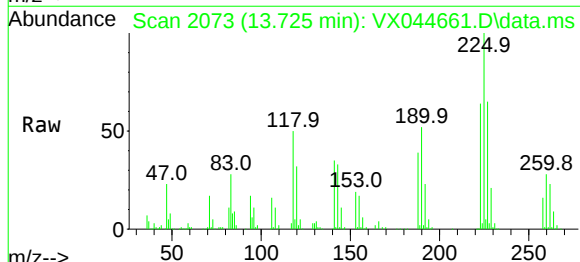
Tgt Ion:225 Resp: 49464

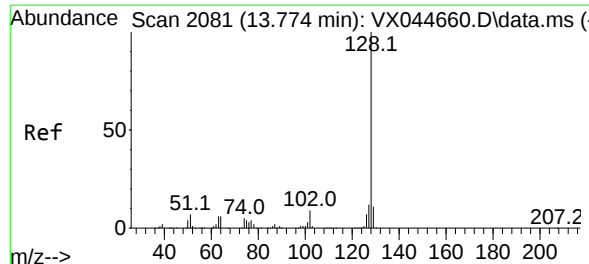
Ion Ratio Lower Upper

225 100

223 63.2 0.0 123.0

227 63.1 0.0 124.2





#91

Naphthalene

Concen: 49.597 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Instrument :

MSVOA_X

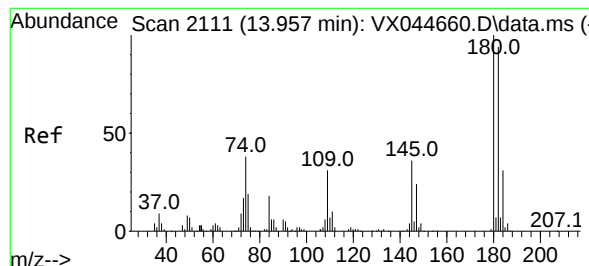
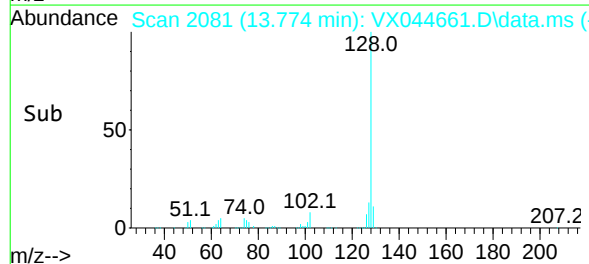
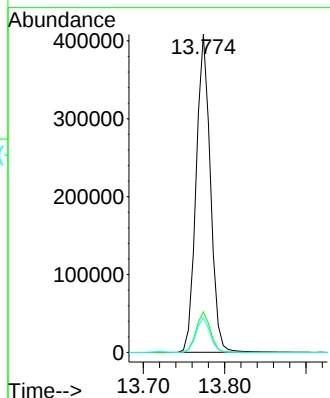
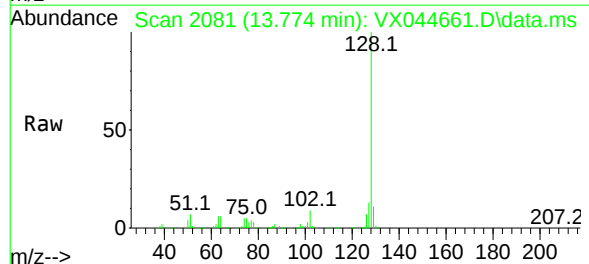
ClientSampleId :

VSTDIC050

Tgt Ion:	128	Resp:	495557
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	9.0	13.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#92

1,2,3-Trichlorobenzene

Concen: 49.560 ug/l

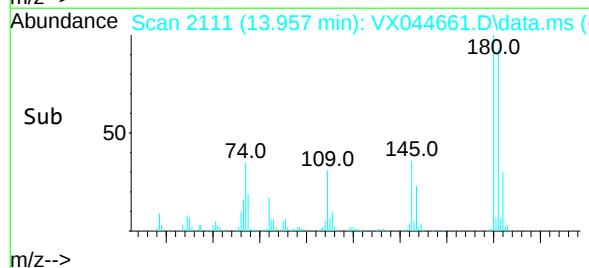
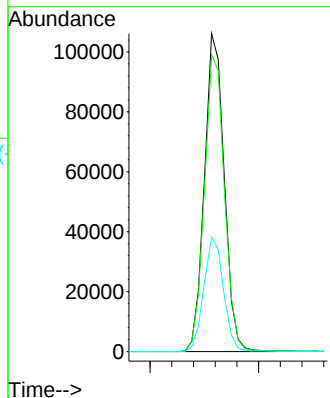
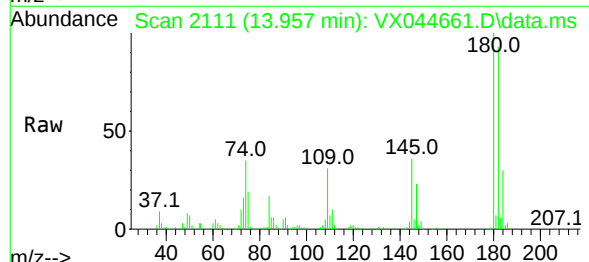
RT: 13.957 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX044661.D

Acq: 16 Jan 2025 09:25

Tgt Ion:	180	Resp:	134623
Ion	Ratio	Lower	Upper
180	100		
182	94.7	0.0	187.8
145	35.7	0.0	69.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044662.D
 Acq On : 16 Jan 2025 09:49
 Operator :
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:02:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 00:59:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	26822	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	152295	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	129735	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	78213	30.205	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.700%			
60) 4-Bromofluorobenzene	11.079	95	76025	30.170	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.567%			
63) Toluene-d8	8.647	98	211985	30.042	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.133%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	267360m	124.121	ug/l	
3) Chloromethane	1.294	50	260185	103.718	ug/l	100
4) Vinyl Chloride	1.374	62	264006	107.561	ug/l	97
5) Bromomethane	1.593	94	61090	103.072	ug/l	97
6) Chloroethane	1.660	64	45219	114.088	ug/l	95
7) Trichlorofluoromethane	1.861	101	293373	109.142	ug/l	98
8) Diethyl Ether	2.136	74	108527	104.658	ug/l	99
9) 1,1,2-Trichlorotrifluoro...	2.313	101	216700	112.529	ug/l	98
10) 1,1-Dichloroethene	2.307	96	210933	106.464	ug/l	96
11) Methyl Iodide	2.441	142	283426	103.236	ug/l	98
12) Methyl Acetate	2.703	43	316480	109.420	ug/l	99
13) Acrolein	2.239	56	157728	493.161	ug/l	99
14) Acrylonitrile	3.062	53	551693	523.451	ug/l	100
15) Acetone	2.386	58	149940	530.181	ug/l	94
16) Carbon Disulfide	2.495	76	590082	107.175	ug/l	100
17) Allyl chloride	2.654	41	382410	107.032	ug/l	99
18) Methylene Chloride	2.782	84	228084	102.839	ug/l	98
19) trans-1,2-Dichloroethene	3.081	96	206160	104.651	ug/l	97
20) Diisopropyl ether	3.757	45	662597	102.175	ug/l	95
21) 1,1-Dichloroethane	3.599	63	406465	105.660	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	255966	104.980	ug/l	98
23) tert-Butyl Alcohol	3.044	59	253812m	555.091	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	712903	103.853	ug/l	99
25) Chloroform	5.086	83	399572	104.534	ug/l	96
26) Cyclohexane	5.458	56	351156	108.611	ug/l #	100
29) 1,1-Dichloropropene	5.684	75	279081	105.354	ug/l	99
30) 2-Butanone	4.556	43	740025	508.557	ug/l	100
31) 2,2-Dichloropropane	4.465	77	376371	102.674	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	359473	102.399	ug/l	99
33) Carbon Tetrachloride	5.666	117	306978	103.662	ug/l	97
34) Benzene	6.025	78	853368	100.973	ug/l	99
35) Methacrylonitrile	4.916	41	168983	103.905	ug/l	98
36) 1,2-Dichloroethane	6.080	62	308254	102.014	ug/l	100
37) Trichloroethene	7.117	130	215237	105.483	ug/l	95
38) Methylcyclohexane	7.373	83	393920	109.448	ug/l	99
39) 1,2-Dichloropropane	7.421	63	214812	101.928	ug/l	98
40) Dibromomethane	7.574	93	159130	101.563	ug/l	99
41) Bromodichloromethane	7.818	83	324068	100.170	ug/l	98
42) Vinyl Acetate	3.715	43	2899515	501.741	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044662.D
 Acq On : 16 Jan 2025 09:49
 Operator :
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:02:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 00:59:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	301278	105.547	ug/l	# 94
44) Isopropyl Acetate	6.336	43	524207	102.223	ug/l	99
45) 1,4-Dioxane	7.671	88	95678	1959.377	ug/l	96
46) Methyl methacrylate	7.690	41	254259	101.293	ug/l	99
47) n-amyl Acetate	10.842	43	426497	99.102	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	347499	101.765	ug/l	98
49) cis-1,3-Dichloropropene	8.360	75	370879	101.289	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	198320	98.117	ug/l	99
51) Ethyl methacrylate	9.116	69	349309	99.647	ug/l	98
52) 1,3-Dichloropropane	9.305	76	345352	98.954	ug/l	99
53) Dibromochloromethane	9.519	129	237742	98.596	ug/l	98
54) 1,2-Dibromoethane	9.604	107	210275	98.575	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	784090	461.586	ug/l	100
56) Bromoform	10.799	173	157528	98.522	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	1379048	504.291	ug/l	99
59) 2-Hexanone	9.433	43	1016466	507.718	ug/l	99
61) Tetrachloroethene	9.269	164	167502	107.635	ug/l	98
62) Toluene	8.714	91	874711	102.394	ug/l	99
64) Chlorobenzene	10.073	112	543310	102.407	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	193974	101.781	ug/l	100
66) Ethyl Benzene	10.189	91	963283	103.326	ug/l	98
67) m/p-Xylenes	10.299	106	698697	203.888	ug/l	99
68) o-Xylene	10.640	106	346159	100.645	ug/l	100
69) Styrene	10.653	104	571513	101.207	ug/l	99
70) Isopropylbenzene	10.957	105	882679	102.087	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	290188	99.668	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	248182m	101.490	ug/l	
73) Bromobenzene	11.195	156	203263	100.912	ug/l	98
74) n-propylbenzene	11.305	91	1025231	104.320	ug/l	100
75) 2-Chlorotoluene	11.360	91	621611	100.627	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	709035	100.977	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	120113	103.824	ug/l	98
78) 4-Chlorotoluene	11.451	91	692856	101.840	ug/l	99
79) tert-butylbenzene	11.713	119	724166	100.390	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	717847	101.327	ug/l	99
81) sec-Butylbenzene	11.890	105	885682	102.823	ug/l	100
82) p-Isopropyltoluene	12.006	119	730972	103.112	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	371118	103.731	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	363763	103.715	ug/l	99
85) n-Butylbenzene	12.329	91	664449	108.125	ug/l	99
86) Hexachloroethane	12.536	117	158825	101.842	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	361432	101.166	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	70386	100.538	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	243086	109.487	ug/l	99
90) Hexachlorobutadiene	13.725	225	89590	104.321	ug/l	96
91) Naphthalene	13.774	128	872913	105.089	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	239785	106.185	ug/l	99

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

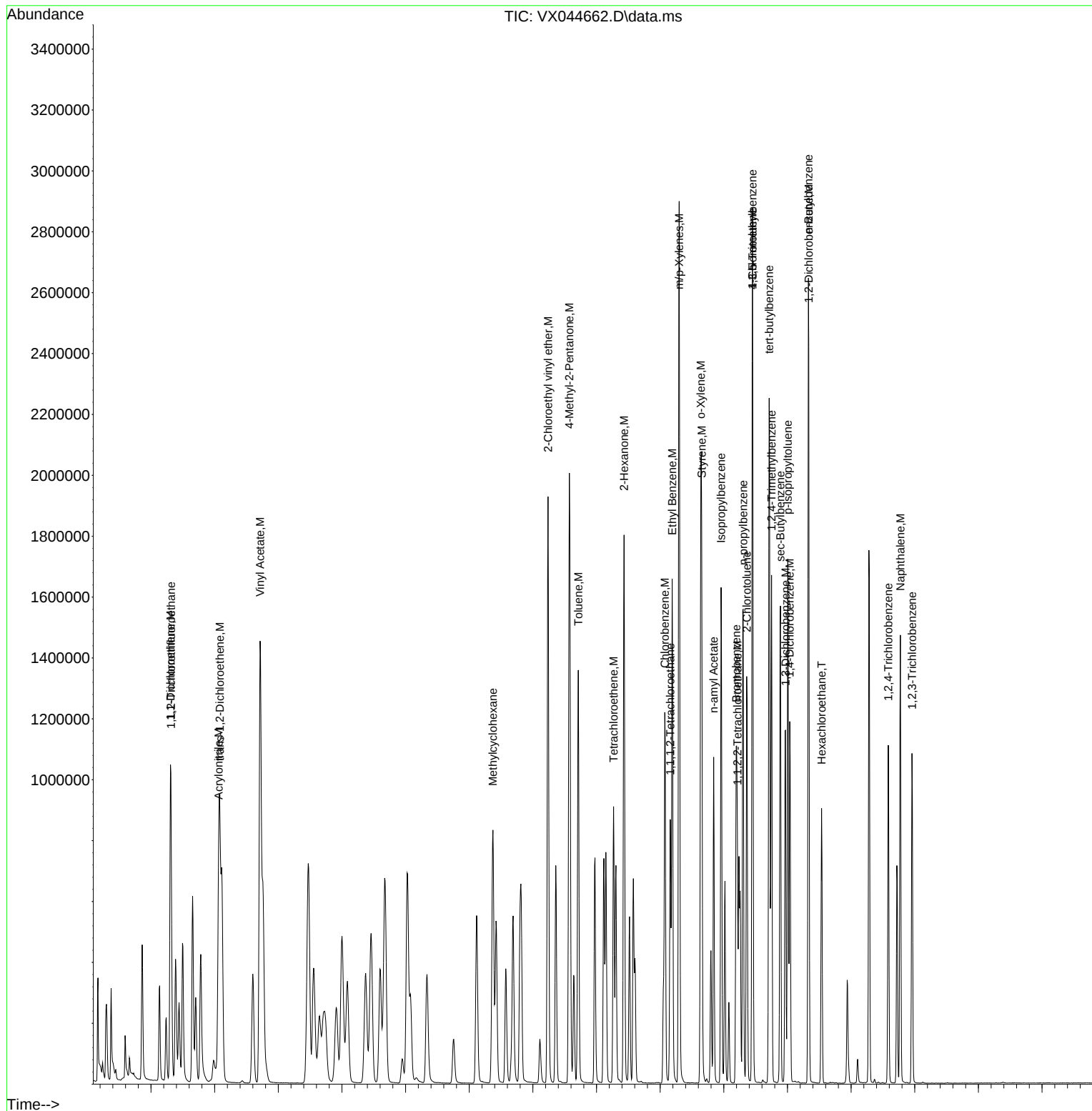
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Data File : VX044662.D  
Acq On    : 16 Jan 2025   09:49  
Operator  :  
Sample    : VSTDICC100  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 5      Sample Multiplier: 1
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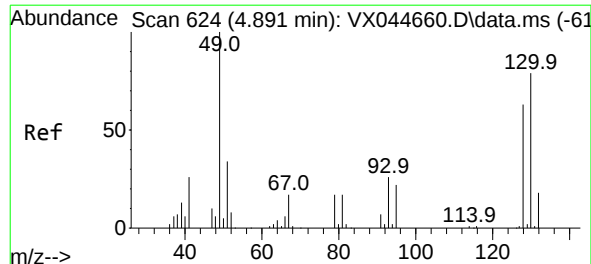
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:02:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.891 min Scan# 62

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:128 Resp: 26822

Ion Ratio Lower Upper

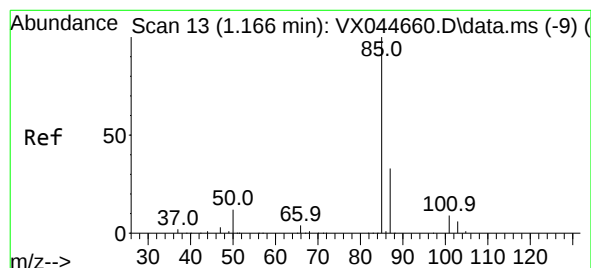
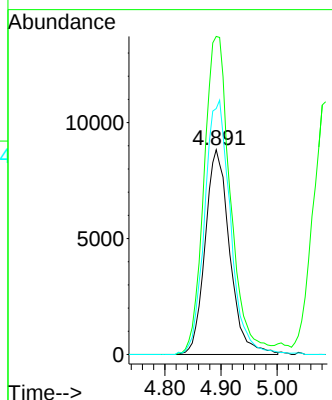
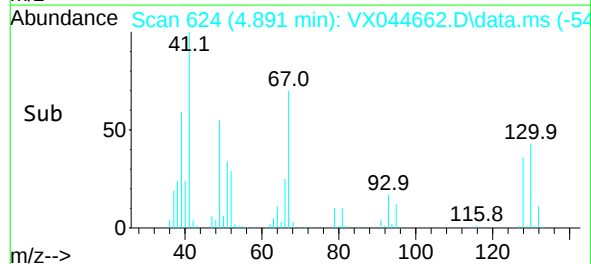
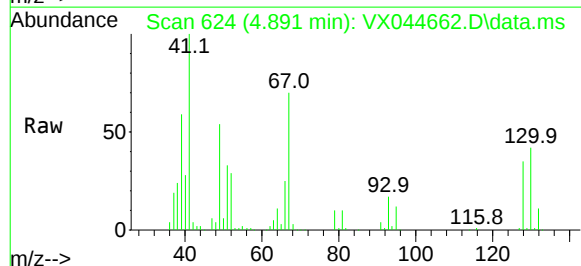
128 100

49 167.6 0.0 411.5

130 131.0 0.0 324.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#2

Dichlorodifluoromethane

Concen: 124.121 ug/l m

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX044662.D

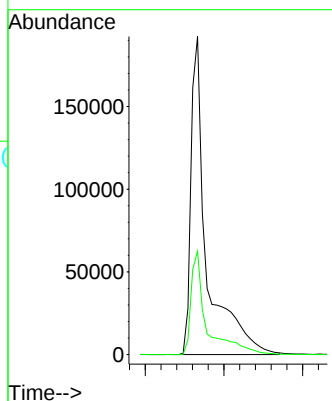
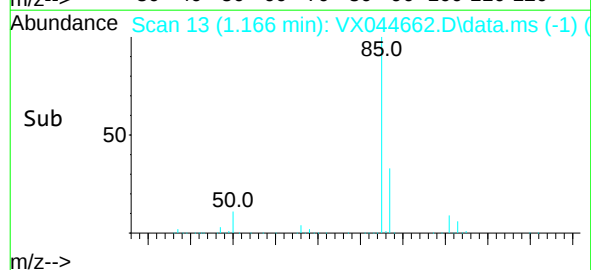
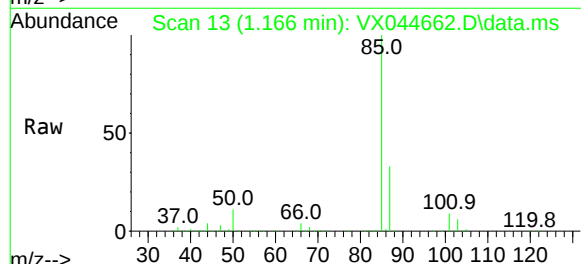
Acq: 16 Jan 2025 09:49

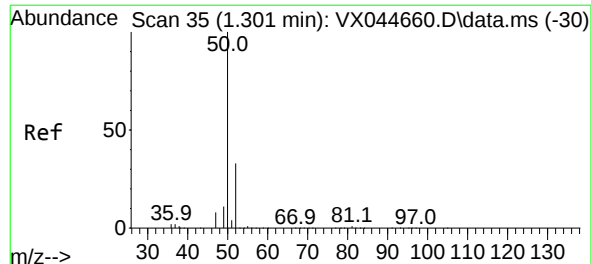
Tgt Ion: 85 Resp: 267360

Ion Ratio Lower Upper

85 100

87 32.5 16.6 49.8





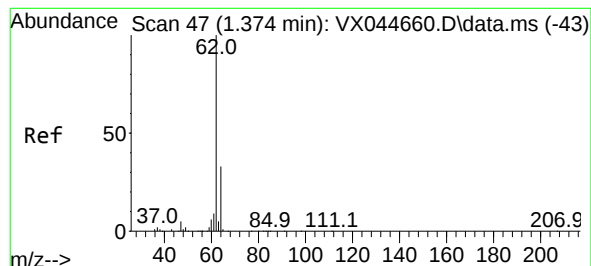
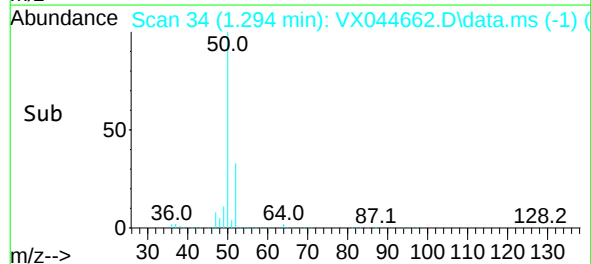
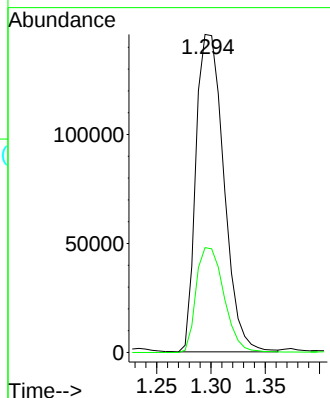
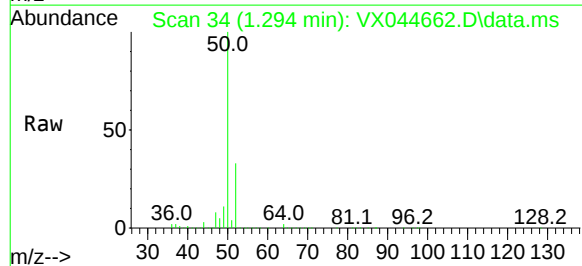
#3
Chloromethane
Concen: 103.718 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX044662.D
Acq: 16 Jan 2025 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 260185
Ion Ratio Lower Upper
50 100
52 33.0 26.5 39.7

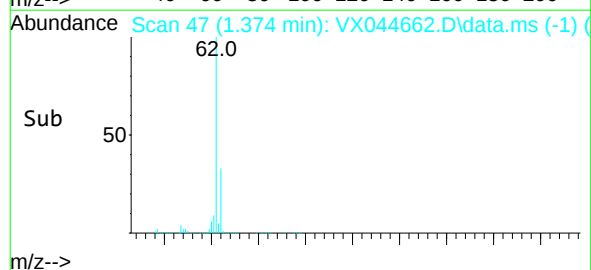
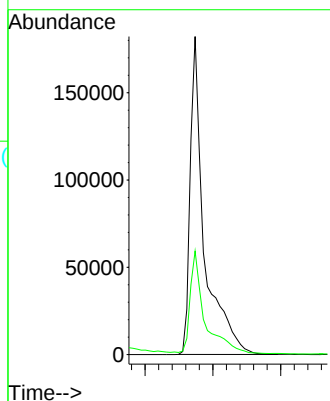
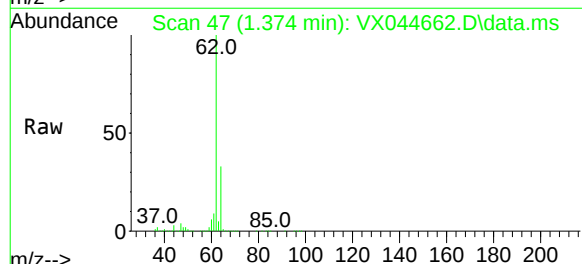
Manual Integrations
APPROVED

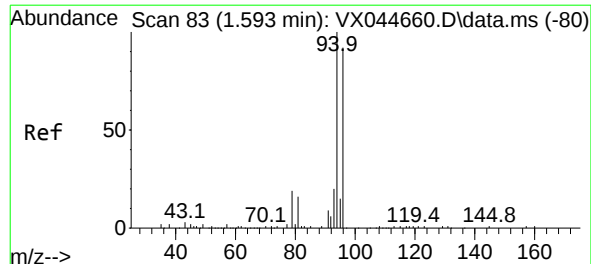
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#4
Vinyl Chloride
Concen: 107.561 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044662.D
Acq: 16 Jan 2025 09:49

Tgt Ion: 62 Resp: 264006
Ion Ratio Lower Upper
62 100
64 32.2 27.3 40.9





#5

Bromomethane

Concen: 103.072 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 94 Resp: 61096

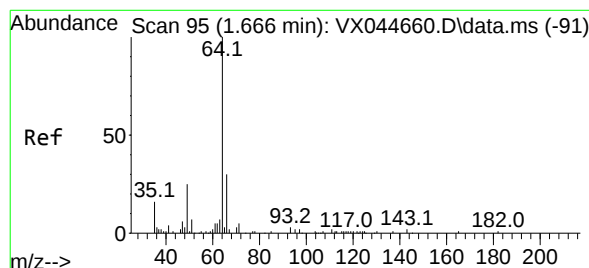
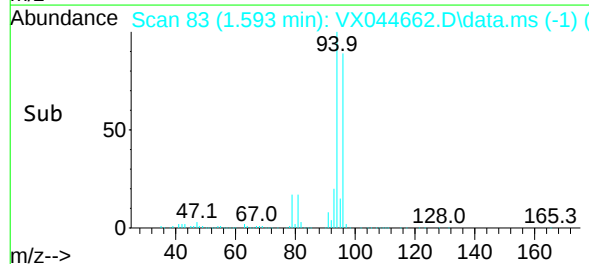
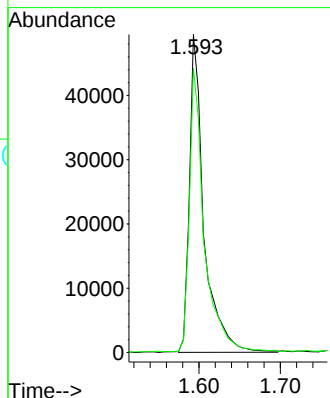
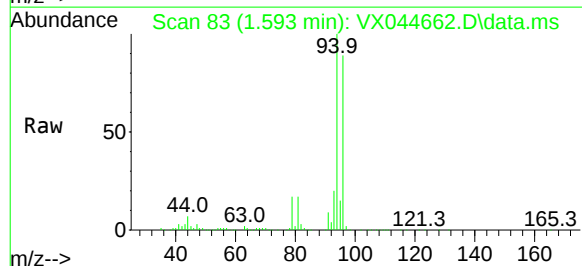
Ion Ratio Lower Upper

94 100

96 89.2 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#6

Chloroethane

Concen: 114.088 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.006 min

Lab File: VX044662.D

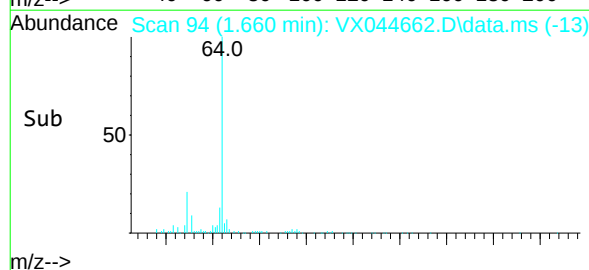
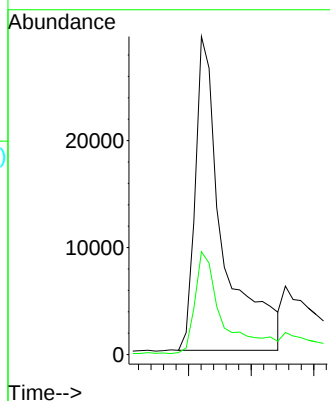
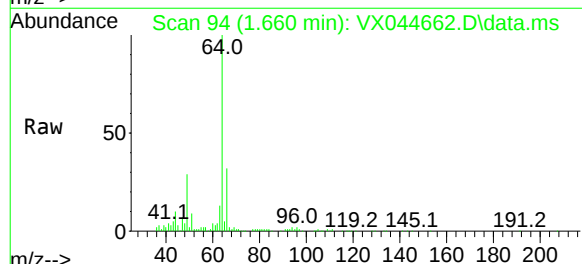
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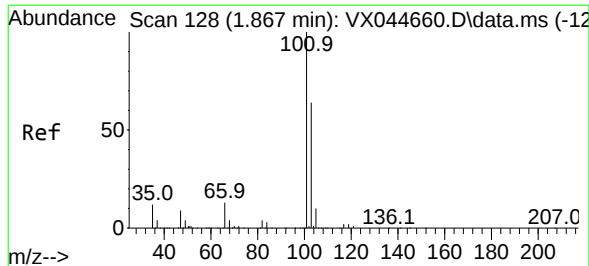
Tgt Ion: 64 Resp: 45219

Ion Ratio Lower Upper

64 100

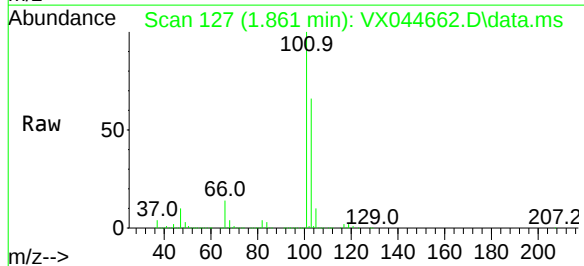
66 32.1 23.8 35.6





#7
Trichlorofluoromethane
Concen: 109.142 ug/l
RT: 1.861 min Scan# 128
Delta R.T. -0.006 min
Lab File: VX044662.D
Acq: 16 Jan 2025 09:49

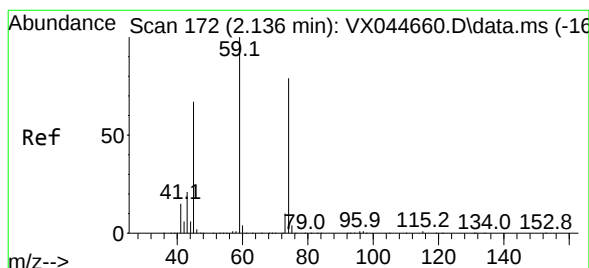
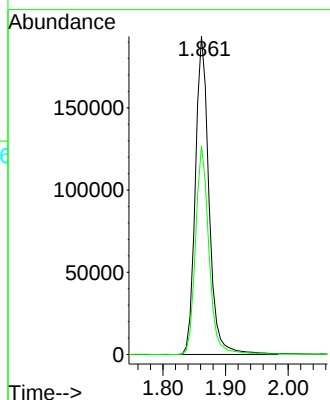
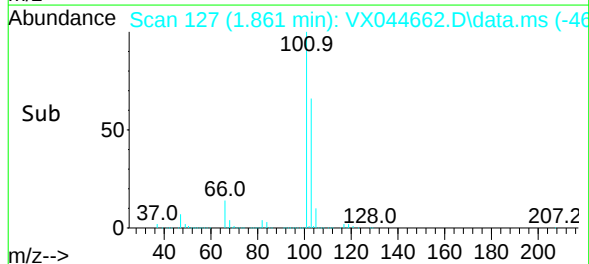
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 293373
Ion Ratio Lower Upper
101 100
103 65.5 51.1 76.7

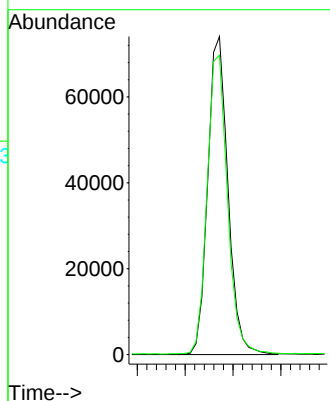
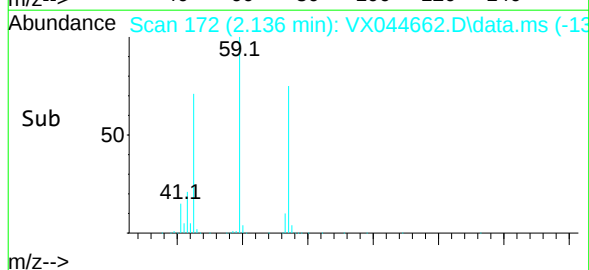
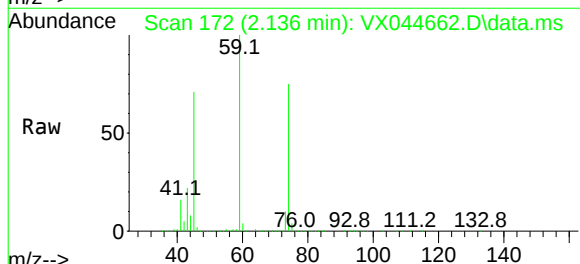
Manual Integrations
APPROVED

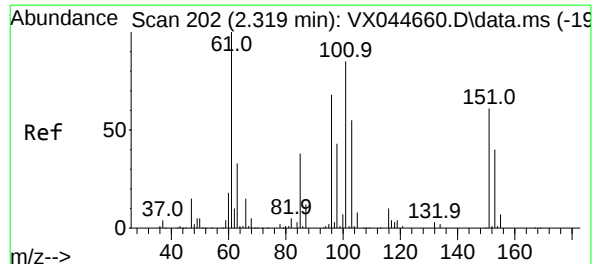
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#8
Diethyl Ether
Concen: 104.658 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044662.D
Acq: 16 Jan 2025 09:49

Tgt Ion: 74 Resp: 108527
Ion Ratio Lower Upper
74 100
45 94.8 18.8 168.8





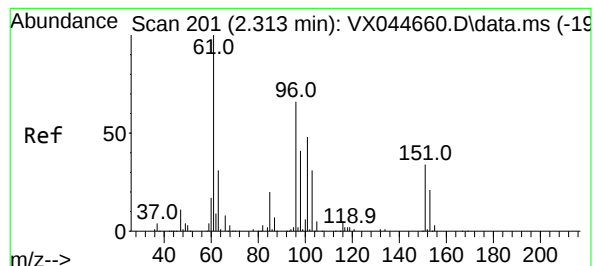
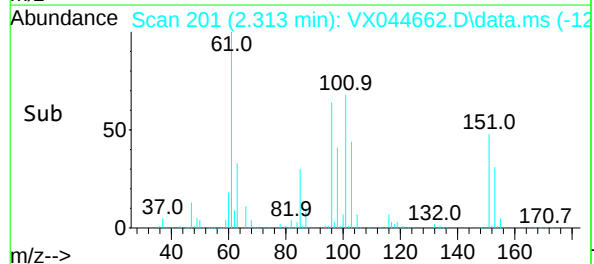
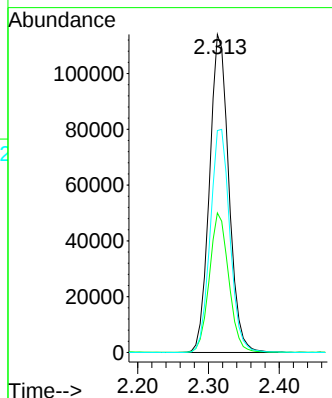
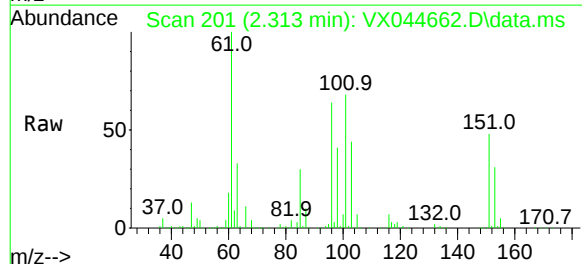
#9
1,1,2-Trichlorotrifluoroethane
Concen: 112.529 ug/l
RT: 2.313 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044662.D
Acq: 16 Jan 2025 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 101 Resp: 216700
Ion Ratio Lower Upper
101 100
85 43.8 0.0 88.0
151 71.5 0.0 147.0

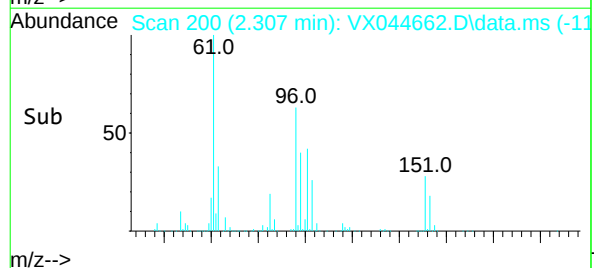
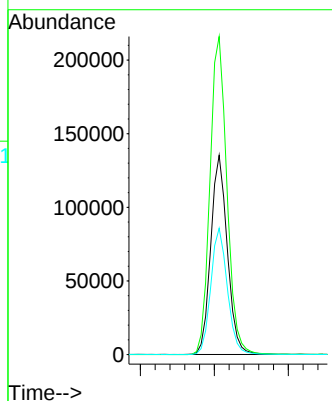
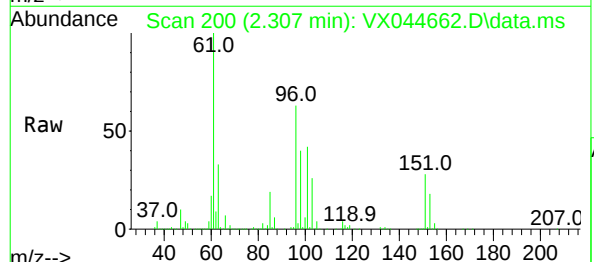
Manual Integrations
APPROVED

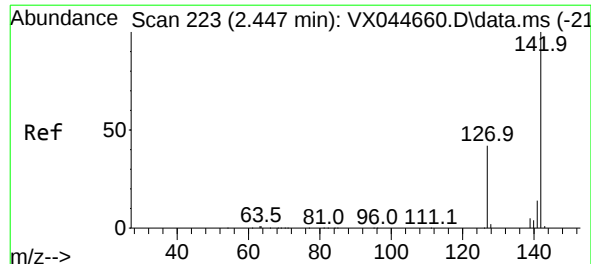
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#10
1,1-Dichloroethene
Concen: 106.464 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044662.D
Acq: 16 Jan 2025 09:49

Tgt Ion: 96 Resp: 210933
Ion Ratio Lower Upper
96 100
61 159.7 121.6 182.4
98 63.4 50.3 75.5





#11

Methyl Iodide

Concen: 103.236 ug/l

RT: 2.441 min Scan# 223

Delta R.T. -0.006 min

Lab File: VX044662.D

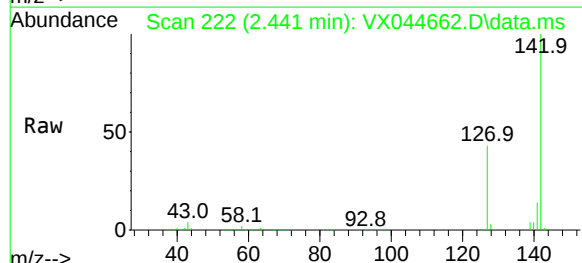
Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100



Tgt Ion:142 Resp: 283426

Ion Ratio Lower Upper

142 100

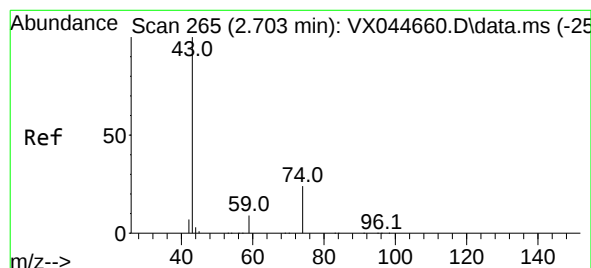
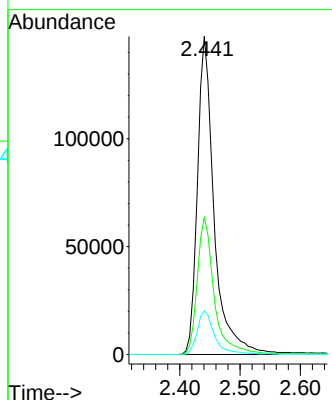
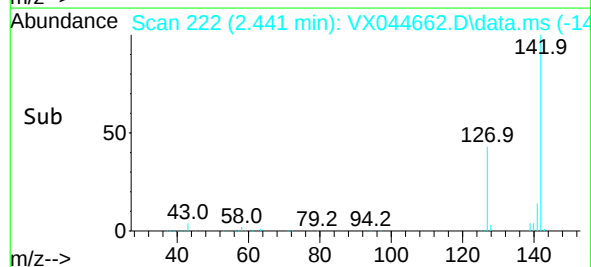
127 43.0 20.8 62.4

141 13.7 7.0 20.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#12

Methyl Acetate

Concen: 109.420 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044662.D

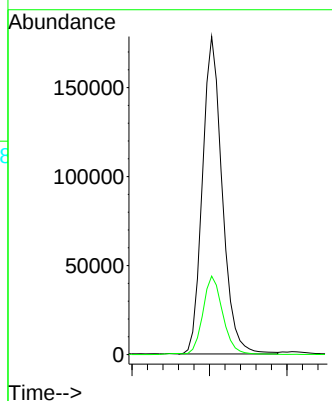
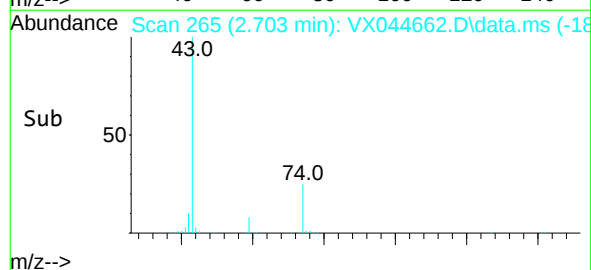
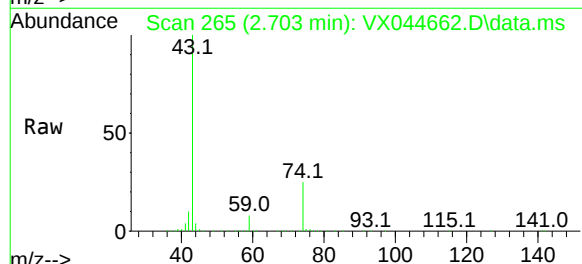
Acq: 16 Jan 2025 09:49

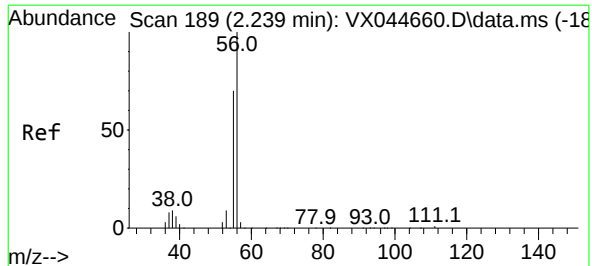
Tgt Ion: 43 Resp: 316480

Ion Ratio Lower Upper

43 100

74 24.6 19.4 29.2





#13

Acrolein

Concen: 493.161 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 157728

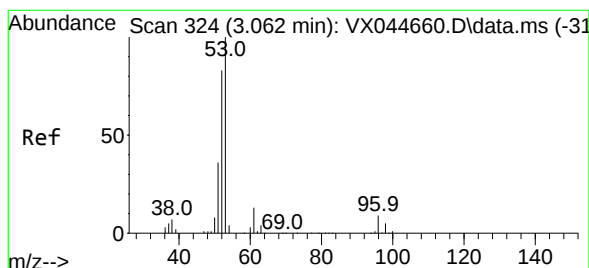
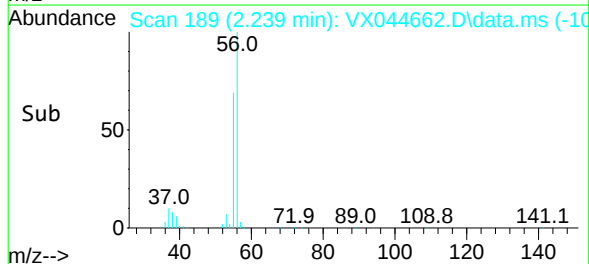
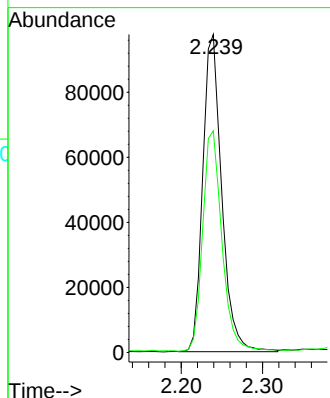
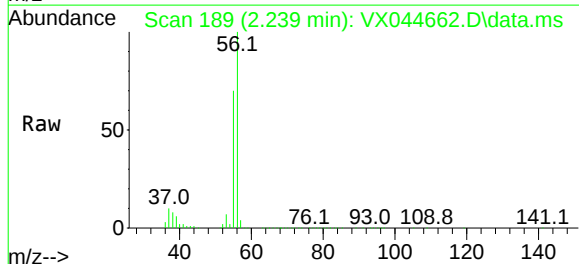
Ion Ratio Lower Upper

56 100

55 70.7 57.5 86.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#14

Acrylonitrile

Concen: 523.451 ug/l

RT: 3.062 min Scan# 324

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

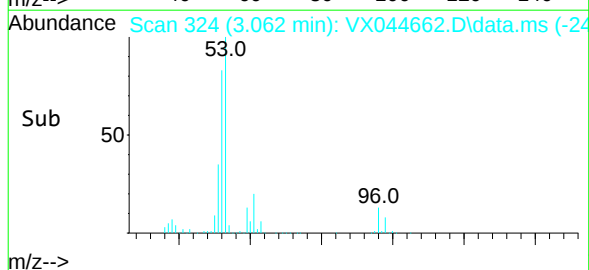
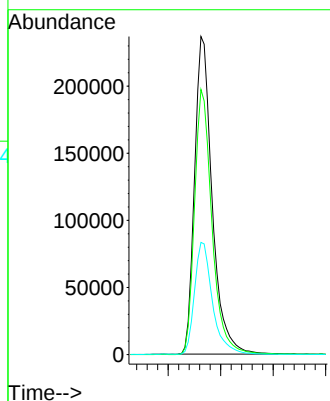
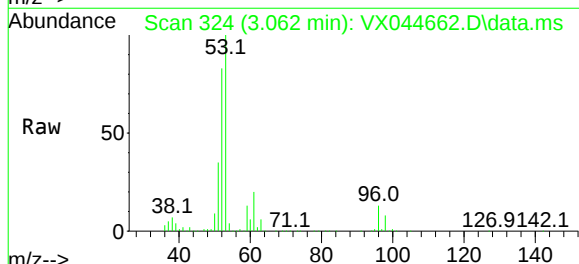
Tgt Ion: 53 Resp: 551693

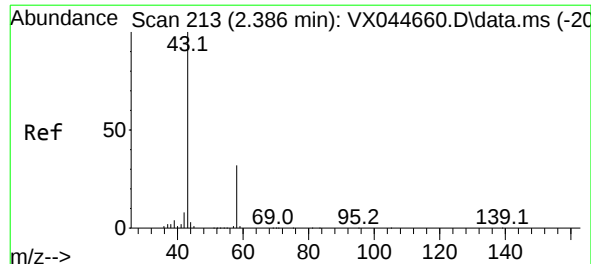
Ion Ratio Lower Upper

53 100

52 82.7 41.4 124.2

51 35.9 18.1 54.4





#15

Acetone

Concen: 530.181 ug/l

RT: 2.386 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 58 Resp: 149940

Ion Ratio Lower Upper

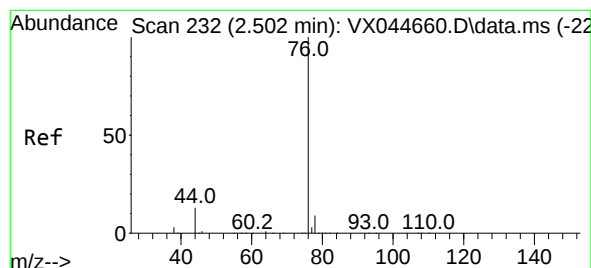
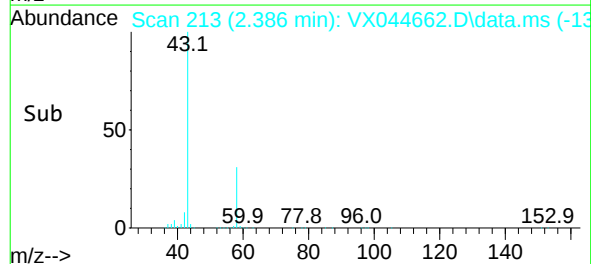
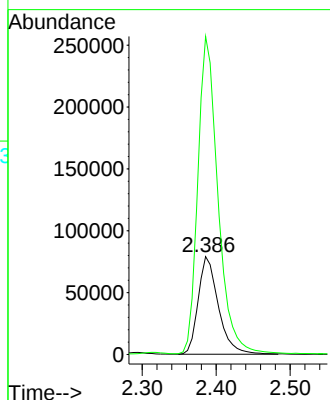
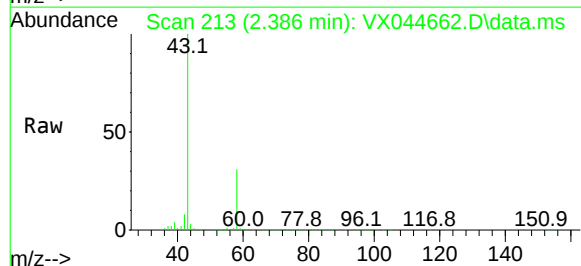
58 100

43 325.0 251.0 376.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#16

Carbon Disulfide

Concen: 107.175 ug/l

RT: 2.495 min Scan# 231

Delta R.T. -0.006 min

Lab File: VX044662.D

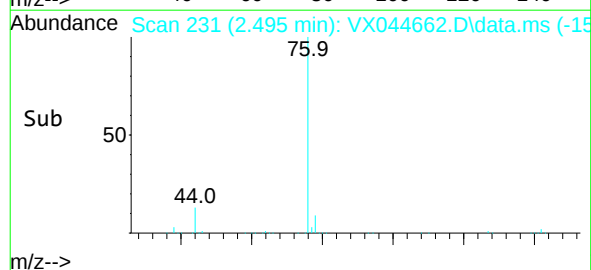
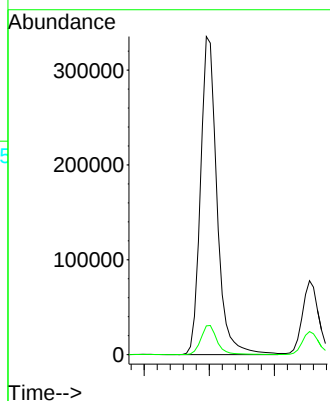
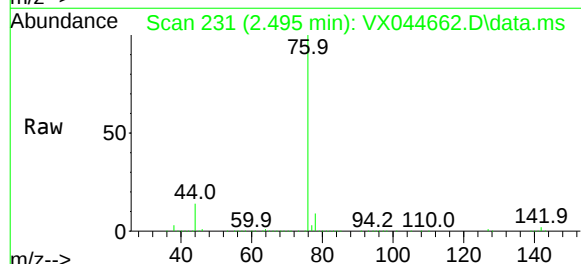
Acq: 16 Jan 2025 09:49

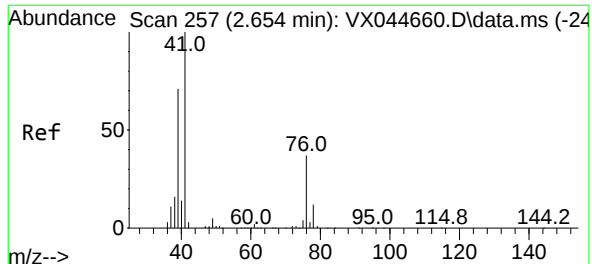
Tgt Ion: 76 Resp: 590082

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#17

Allyl chloride

Concen: 107.032 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

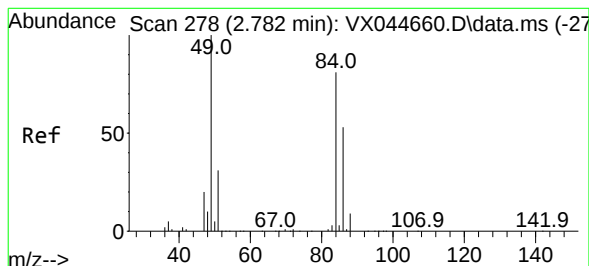
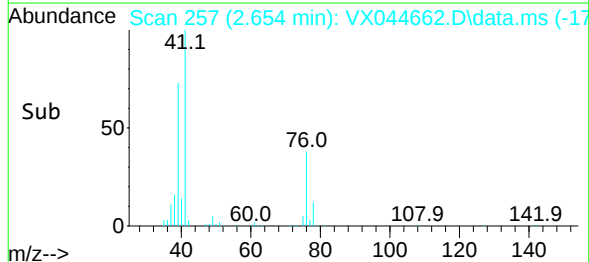
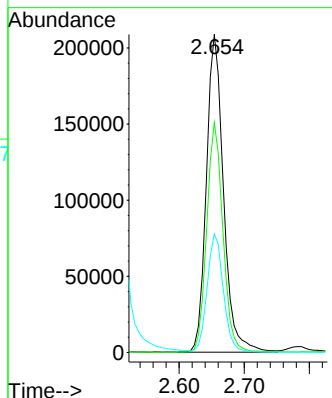
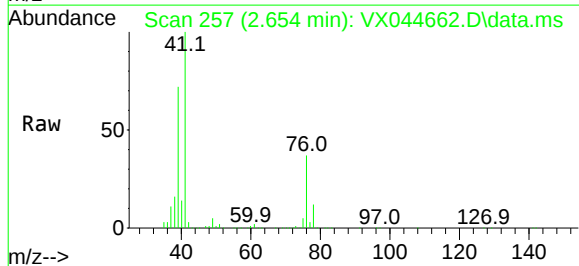
ClientSampleId :

VSTDIC100

Tgt Ion:	41	Resp:	382410
Ion	Ratio	Lower	Upper
41	100		
39	72.2	35.6	106.8
76	37.2	18.9	56.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#18

Methylene Chloride

Concen: 102.839 ug/l

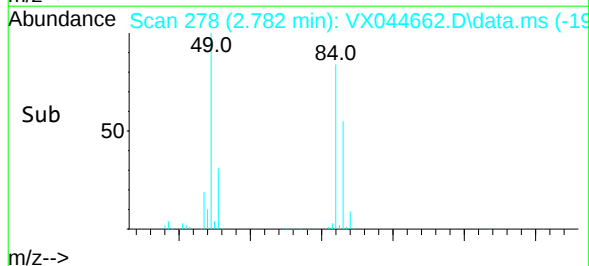
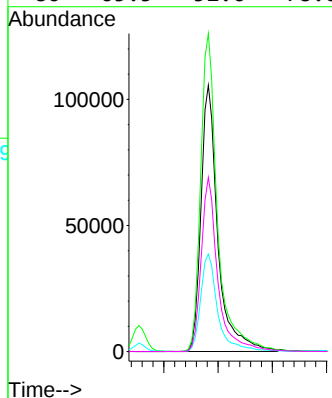
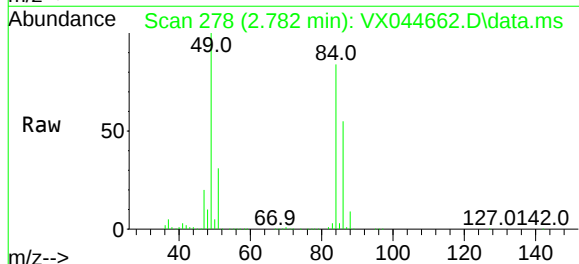
RT: 2.782 min Scan# 278

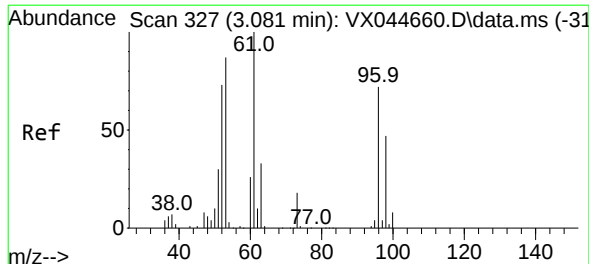
Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

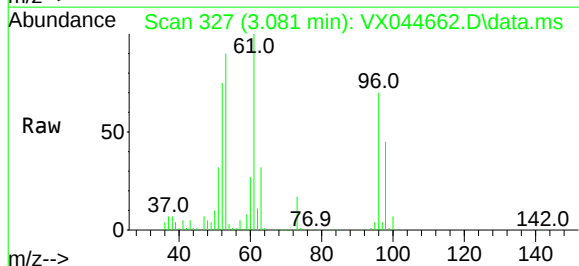
Tgt Ion:	84	Resp:	228084
Ion	Ratio	Lower	Upper
84	100		
49	119.5	98.3	147.5
51	36.6	30.6	46.0
86	65.5	52.6	78.8





#19
trans-1,2-Dichloroethene
Concen: 104.651 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.000 min
Lab File: VX044662.D
Acq: 16 Jan 2025 09:49

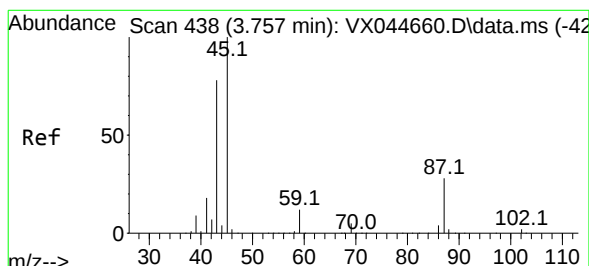
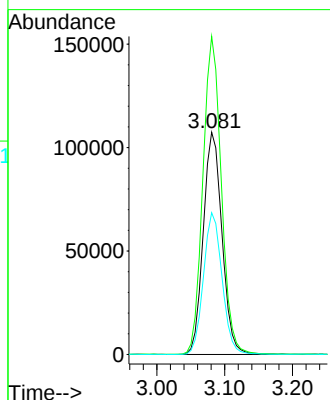
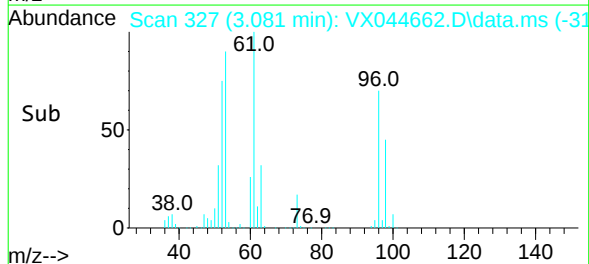
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion: 96 Resp: 206160
Ion Ratio Lower Upper
96 100
61 143.0 111.5 167.3
98 63.7 52.6 79.0

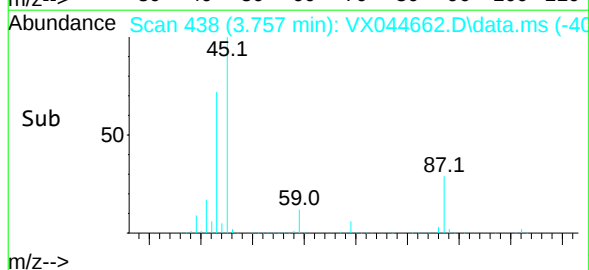
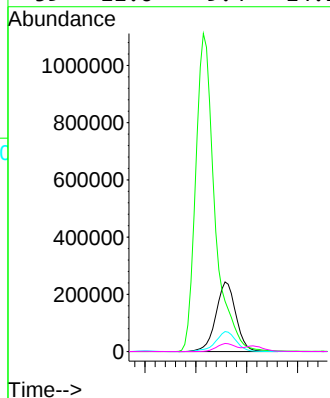
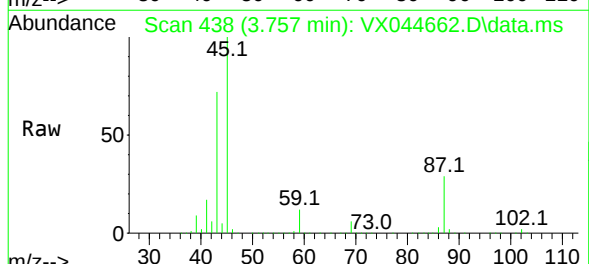
Manual Integrations
APPROVED

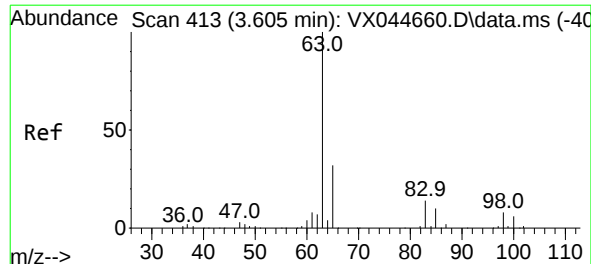
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#20
Diisopropyl ether
Concen: 102.175 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044662.D
Acq: 16 Jan 2025 09:49

Tgt Ion: 45 Resp: 662597
Ion Ratio Lower Upper
45 100
43 72.0 62.6 94.0
87 28.8 22.7 34.1
59 11.6 9.4 14.2





#21

1,1-Dichloroethane

Concen: 105.660 ug/l

RT: 3.599 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

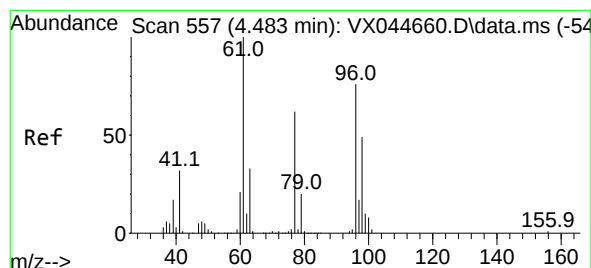
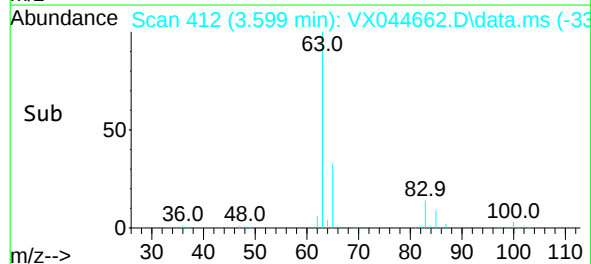
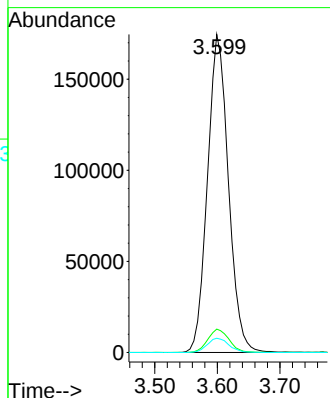
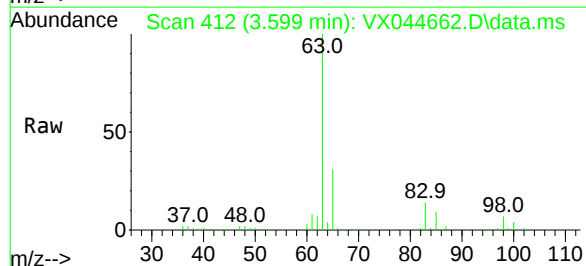
VSTDIC100

Tgt Ion:	63	Resp:	406465
Ion	Ratio	Lower	Upper
63	100		
98	7.4	4.0	11.9
100	4.5	2.8	8.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#22

cis-1,2-Dichloroethene

Concen: 104.980 ug/l

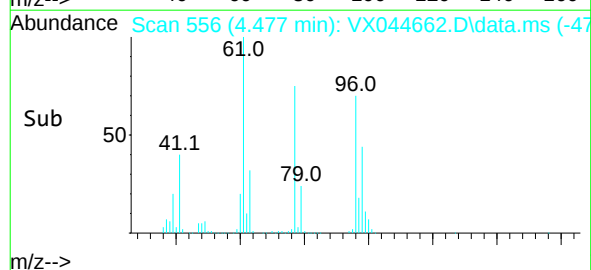
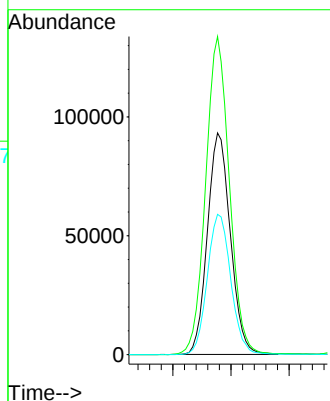
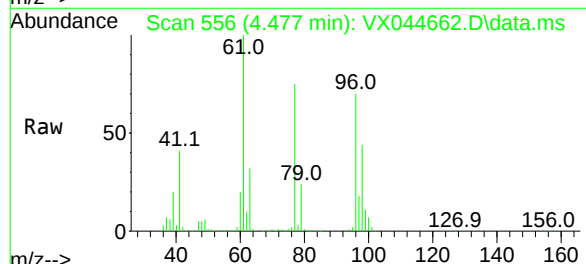
RT: 4.477 min Scan# 556

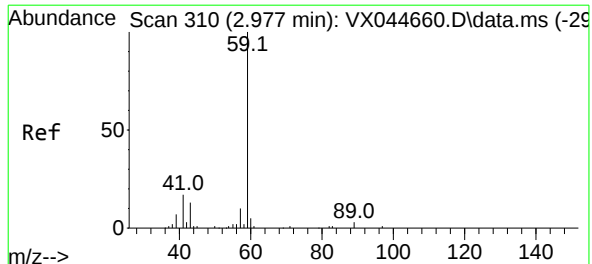
Delta R.T. -0.006 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Tgt Ion:	96	Resp:	255966
Ion	Ratio	Lower	Upper
96	100		
61	147.9	115.2	172.8
98	64.8	51.8	77.6





#23

tert-Butyl Alcohol

Concen: 555.091 ug/l m

RT: 3.044 min Scan# 321

Delta R.T. 0.067 min

Lab File: VX044662.D

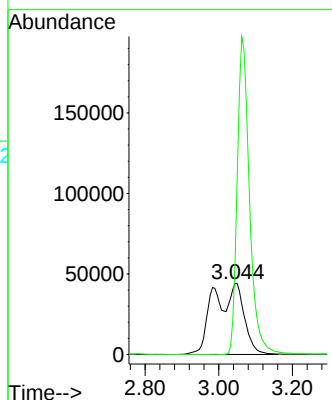
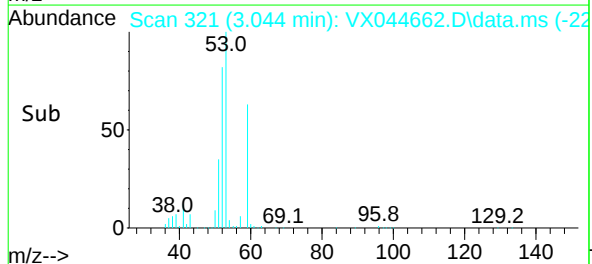
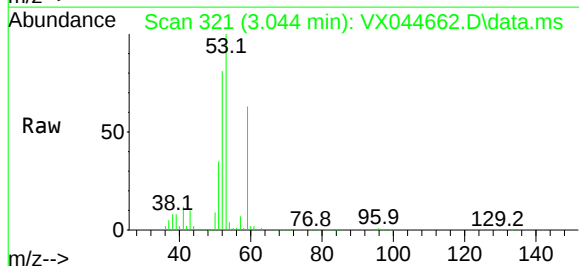
Acq: 16 Jan 2025 09:49

Tgt Ion: 59 Resp: 253812

Ion Ratio Lower Upper

59 100

52 0.1 0.1 0.1#



Instrument :

MSVOA_X

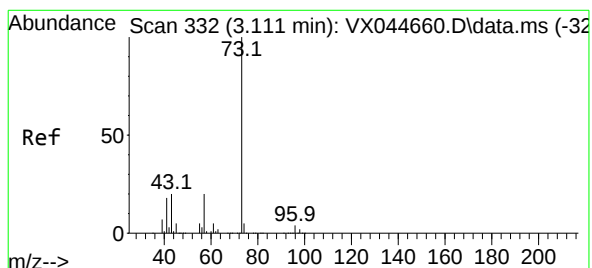
ClientSampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#24

Methyl tert-Butyl Ether

Concen: 103.853 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX044662.D

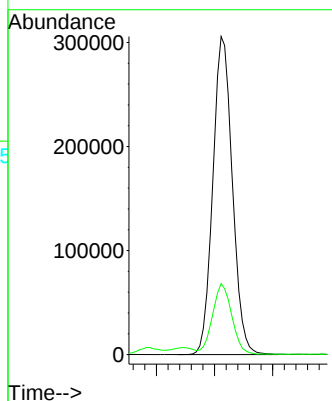
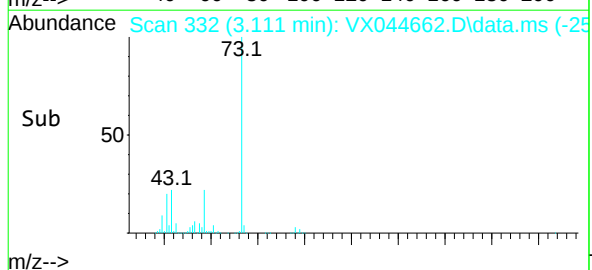
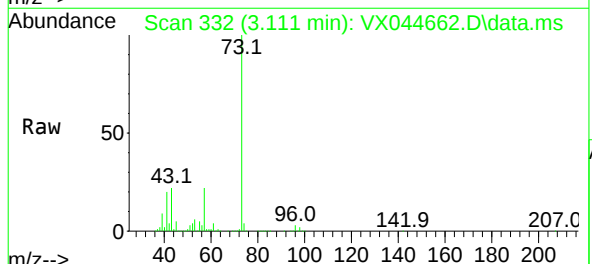
Acq: 16 Jan 2025 09:49

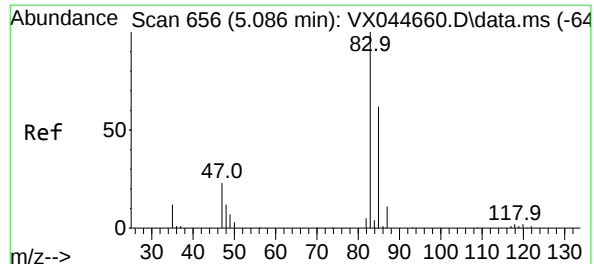
Tgt Ion: 73 Resp: 712903

Ion Ratio Lower Upper

73 100

43 21.7 16.9 25.3





#25

Chloroform

Concen: 104.534 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 399572

Ion Ratio Lower Upper

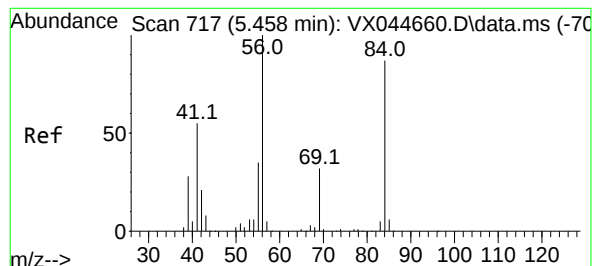
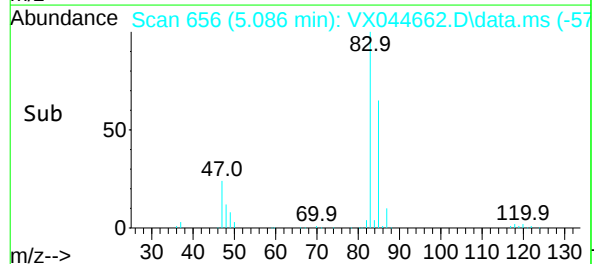
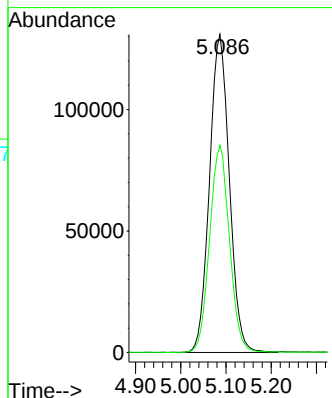
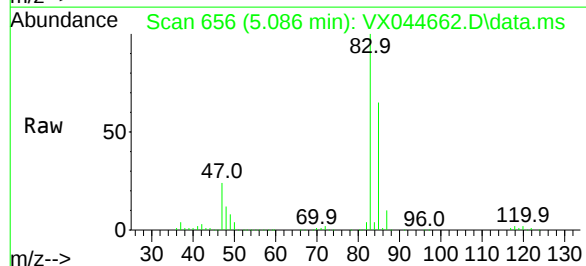
83 100

85 65.1 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#26

Cyclohexane

Concen: 108.611 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

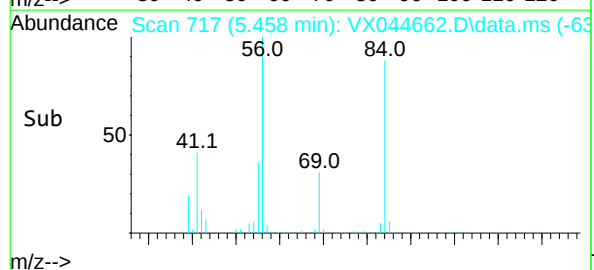
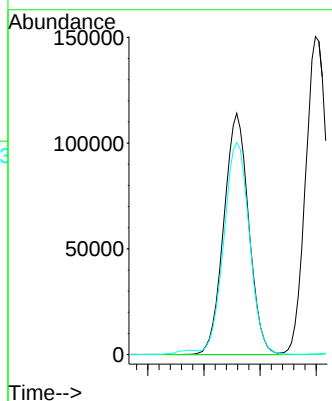
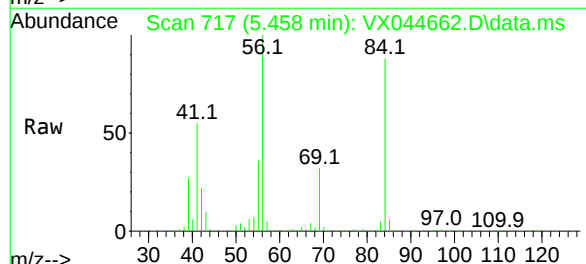
Tgt Ion: 56 Resp: 351156

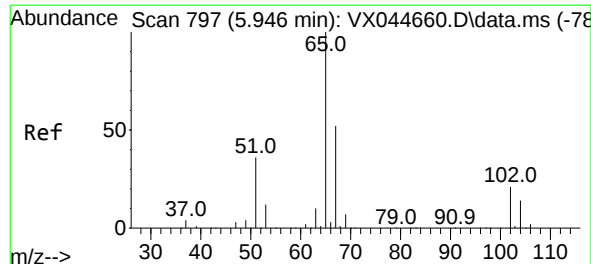
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0#

84 90.6 72.2 108.4





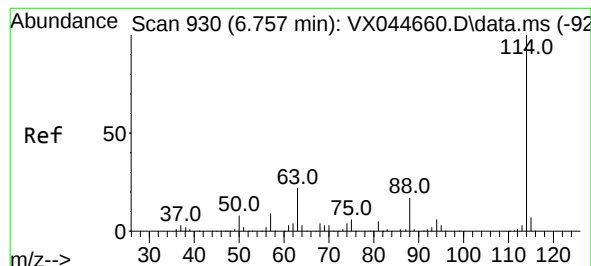
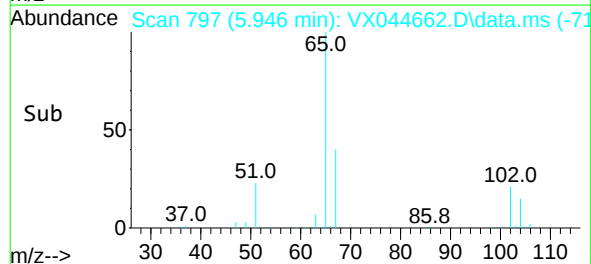
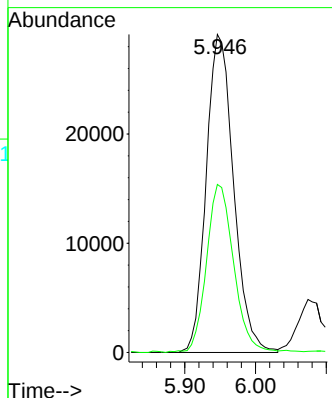
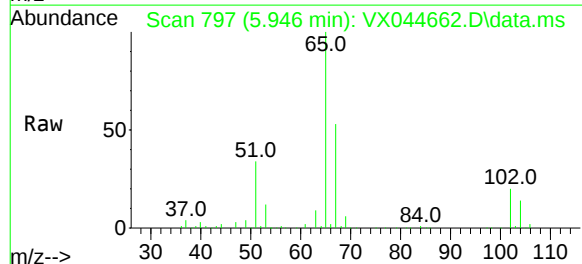
#27
1,2-Dichloroethane-d4
Concen: 30.205 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044662.D
Acq: 16 Jan 2025 09:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 78213
Ion Ratio Lower Upper
65 100
67 51.7 41.4 62.2

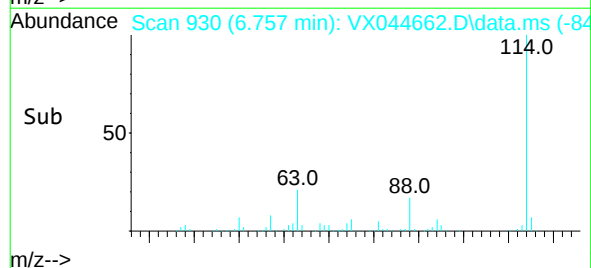
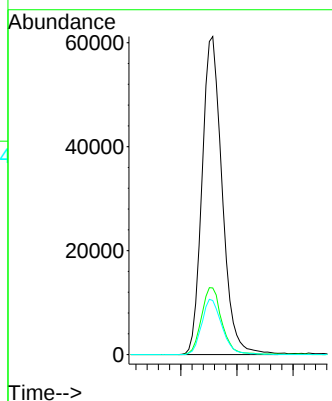
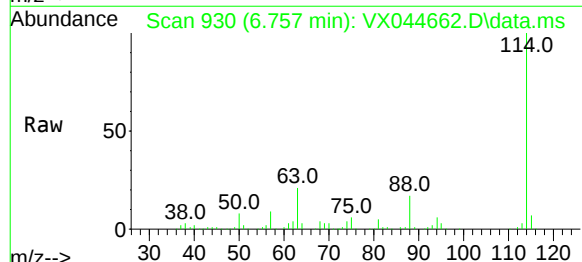
Manual Integrations
APPROVED

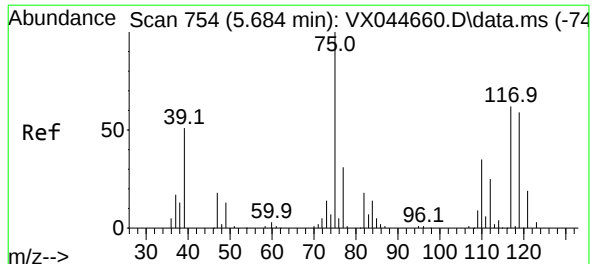
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044662.D
Acq: 16 Jan 2025 09:49

Tgt Ion:114 Resp: 152295
Ion Ratio Lower Upper
114 100
63 21.3 16.6 24.8
88 17.5 13.4 20.2





#29

1,1-Dichloropropene

Concen: 105.354 ug/l

RT: 5.684 min Scan# 75

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 75 Resp: 279081

Ion Ratio Lower Upper

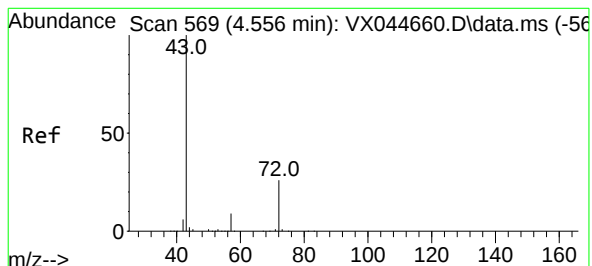
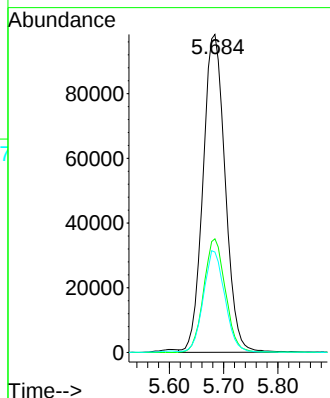
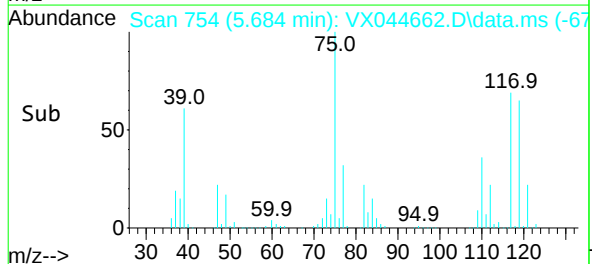
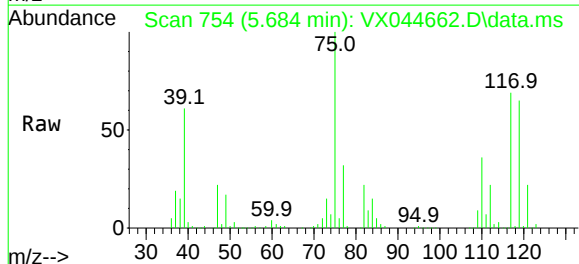
75 100

110 35.0 0.0 69.4

77 30.9 0.0 59.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#30

2-Butanone

Concen: 508.557 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

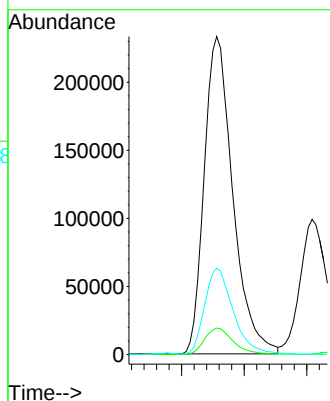
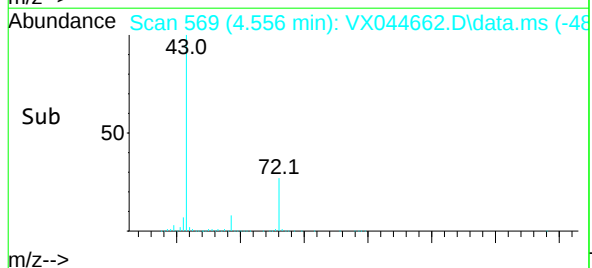
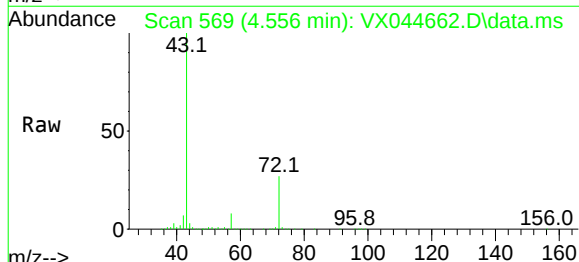
Tgt Ion: 43 Resp: 740025

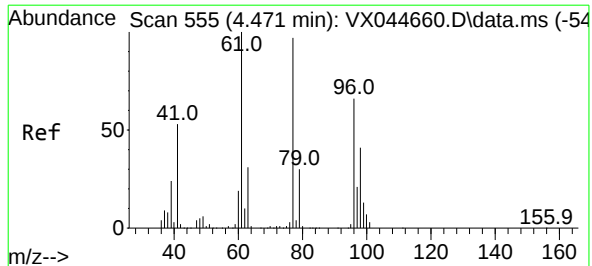
Ion Ratio Lower Upper

43 100

57 8.3 6.4 9.6

72 26.9 21.5 32.3





#31

2,2-Dichloropropane

Concen: 102.674 ug/l

RT: 4.465 min Scan# 555

Delta R.T. -0.006 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 77 Resp: 376371

Ion Ratio Lower Upper

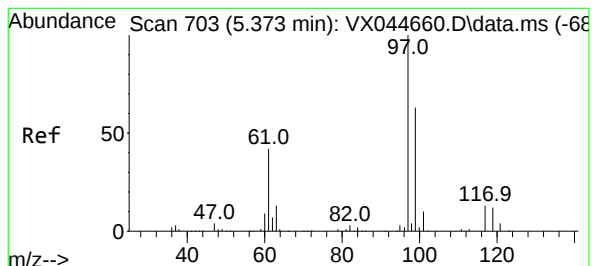
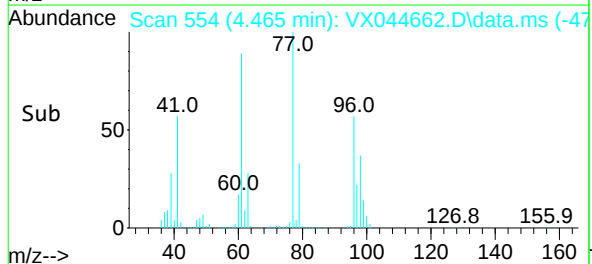
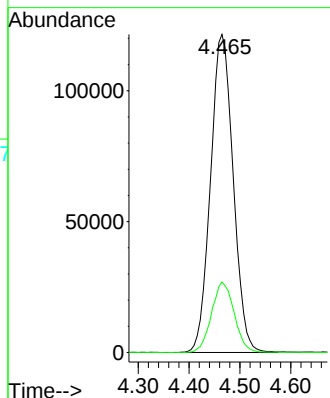
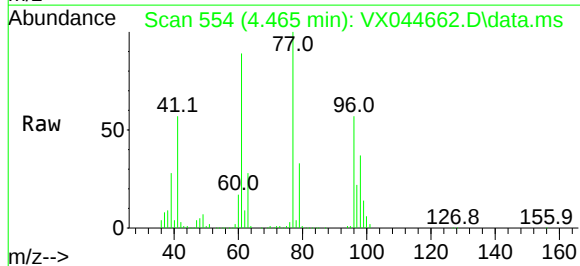
77 100

97 22.2 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#32

1,1,1-Trichloroethane

Concen: 102.399 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

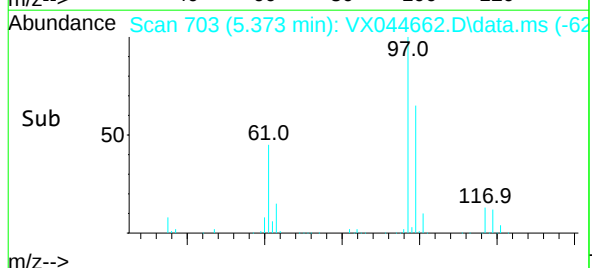
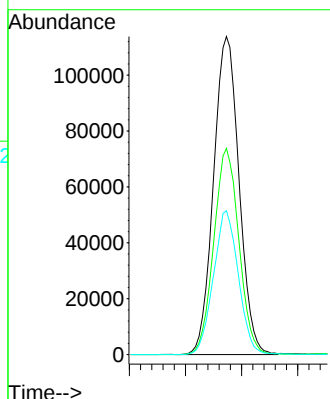
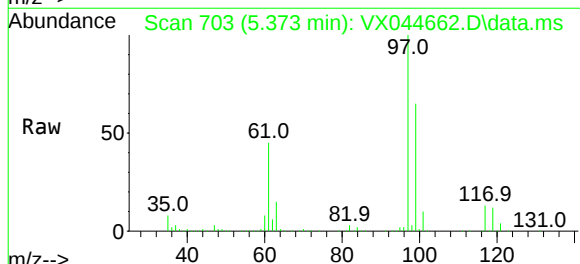
Tgt Ion: 97 Resp: 359473

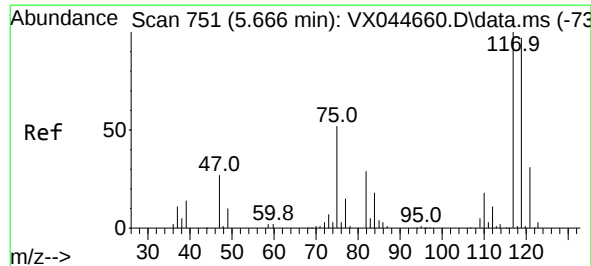
Ion Ratio Lower Upper

97 100

99 63.9 50.5 75.7

61 44.3 34.6 51.8





#33

Carbon Tetrachloride

Concen: 103.662 ug/l

RT: 5.666 min Scan# 751

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:117 Resp: 306978

Ion Ratio Lower Upper

117 100

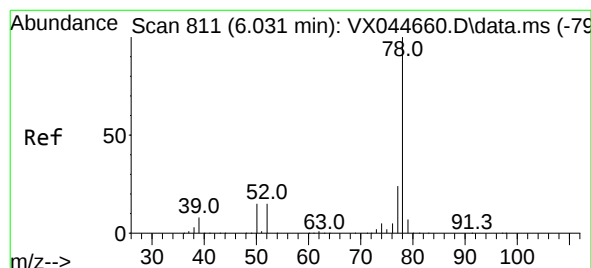
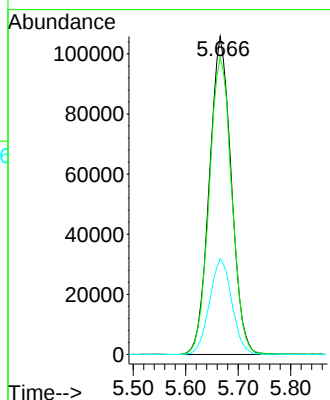
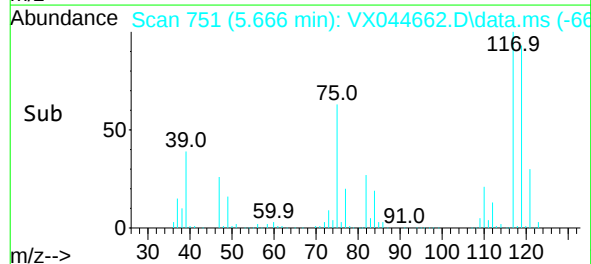
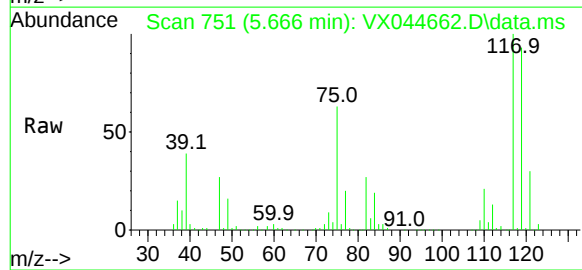
119 93.3 77.3 115.9

121 30.1 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#34

Benzene

Concen: 100.973 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

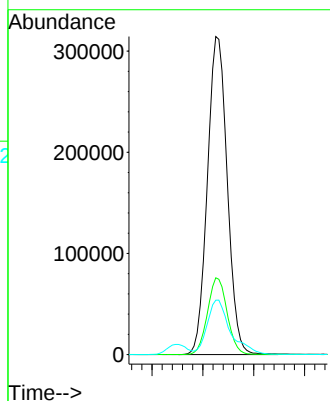
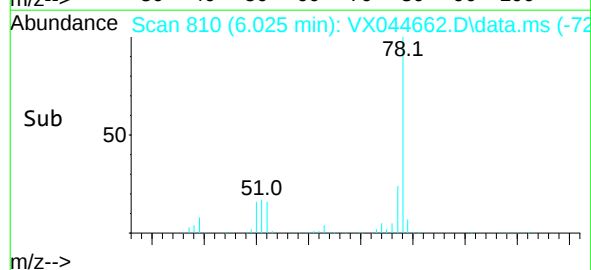
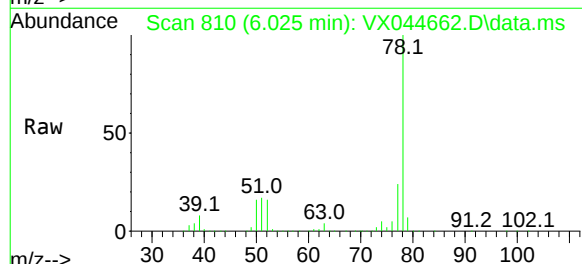
Tgt Ion: 78 Resp: 853368

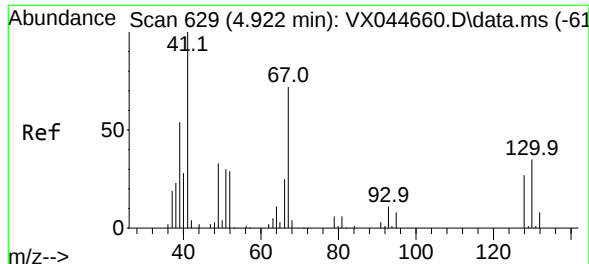
Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9

51 17.0 12.7 19.1





#35

Methacrylonitrile

Concen: 103.905 ug/l

RT: 4.916 min Scan# 62

Delta R.T. -0.006 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 168983

Ion Ratio Lower Upper

41 100

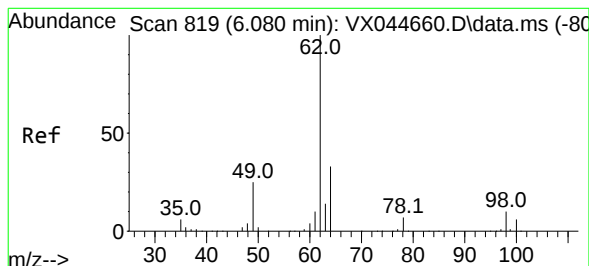
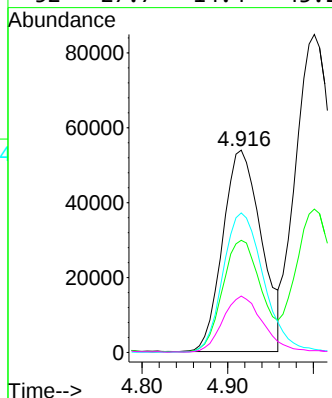
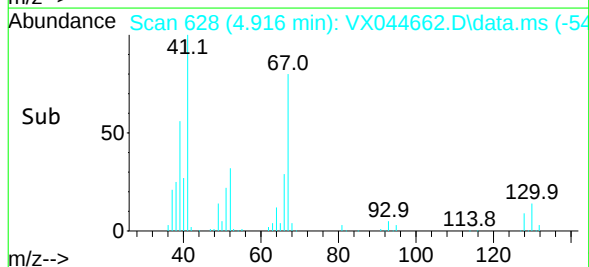
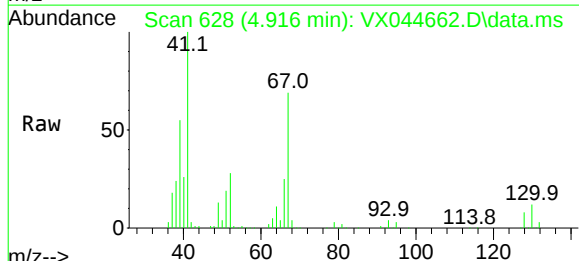
39 55.3 27.1 81.3

67 69.0 35.8 107.4

52 27.7 14.4 43.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#36

1,2-Dichloroethane

Concen: 102.014 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX044662.D

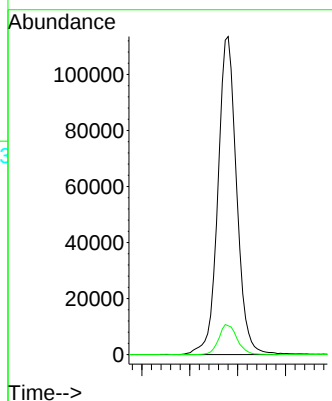
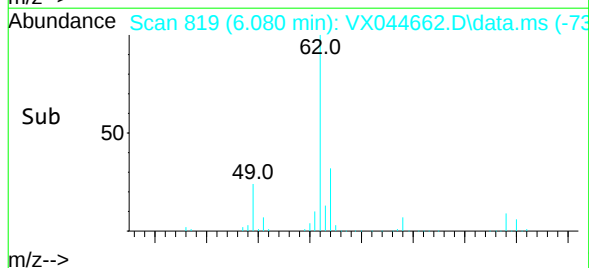
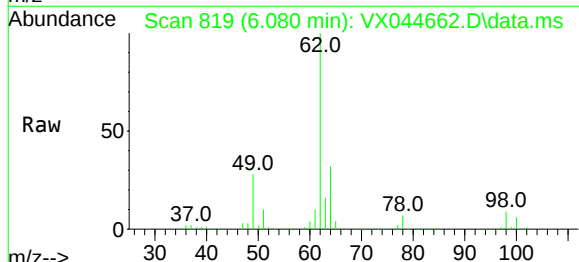
Acq: 16 Jan 2025 09:49

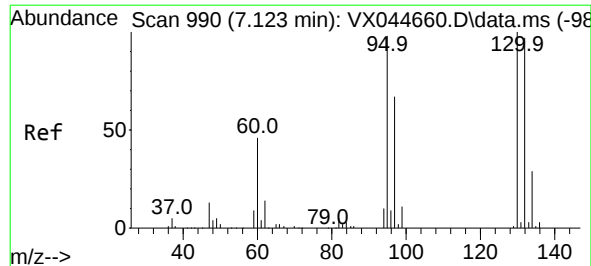
Tgt Ion: 62 Resp: 308254

Ion Ratio Lower Upper

62 100

98 9.2 7.4 11.2





#37

Trichloroethene

Concen: 105.483 ug/l

RT: 7.117 min Scan# 98

Delta R.T. -0.006 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:130 Resp: 215237

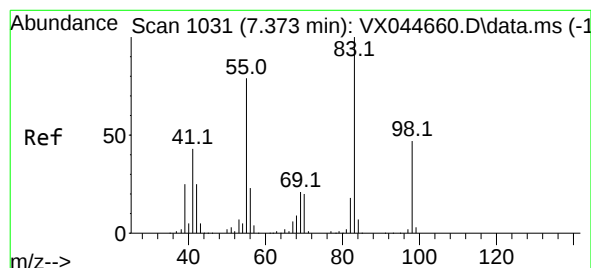
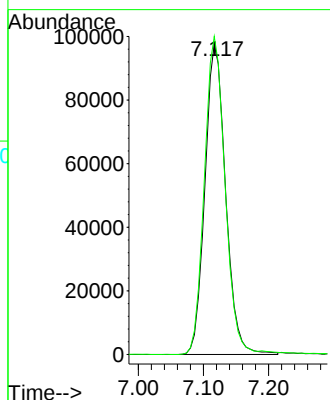
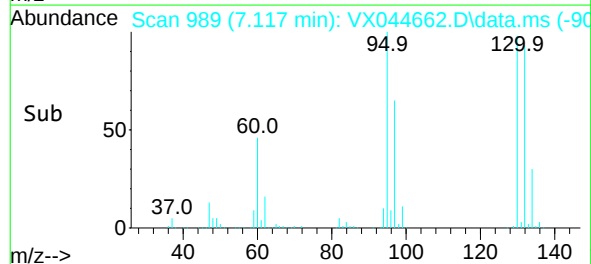
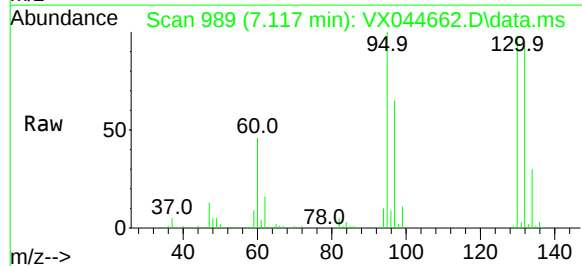
Ion Ratio Lower Upper

130 100

95 102.5 78.2 117.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#38

Methylcyclohexane

Concen: 109.448 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

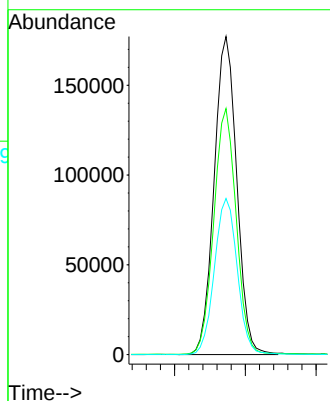
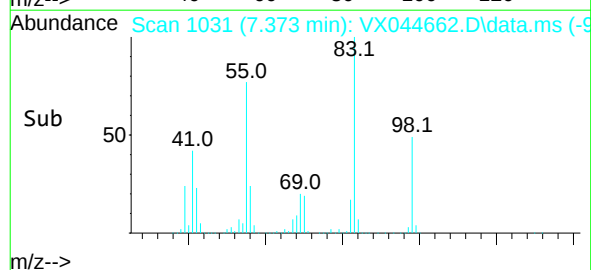
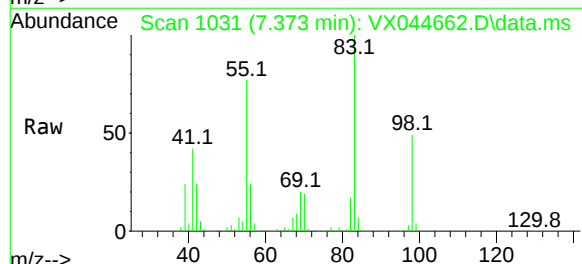
Tgt Ion: 83 Resp: 393920

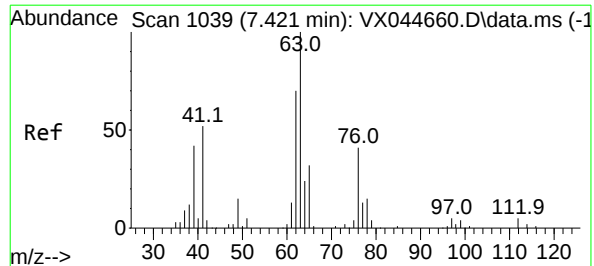
Ion Ratio Lower Upper

83 100

55 76.6 38.4 115.2

98 49.7 24.4 73.4





#39

1,2-Dichloropropane

Concen: 101.928 ug/l

RT: 7.421 min Scan# 10

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 214812

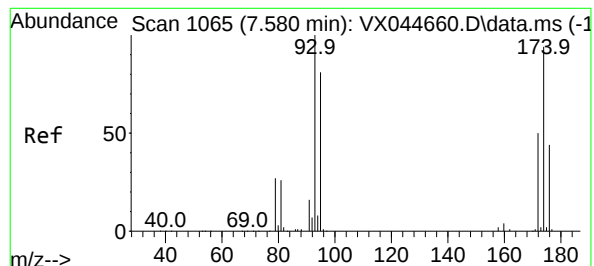
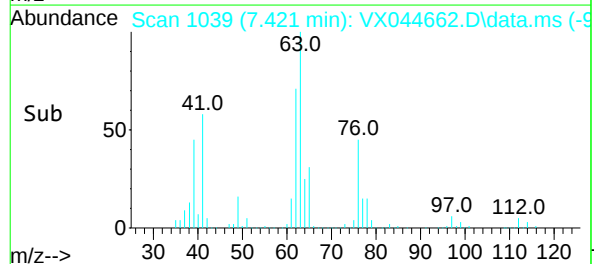
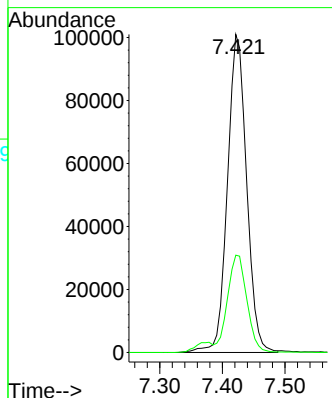
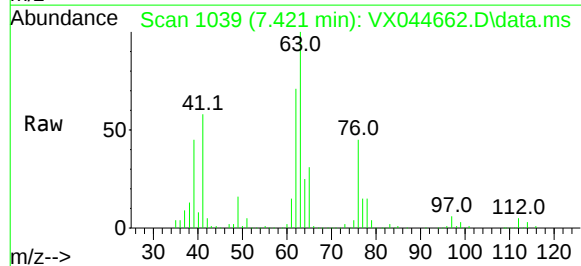
Ion Ratio Lower Upper

63 100

65 30.5 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#40

Dibromomethane

Concen: 101.563 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

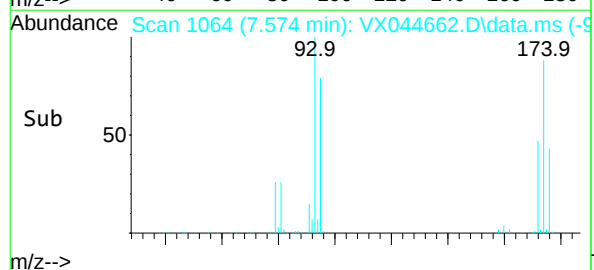
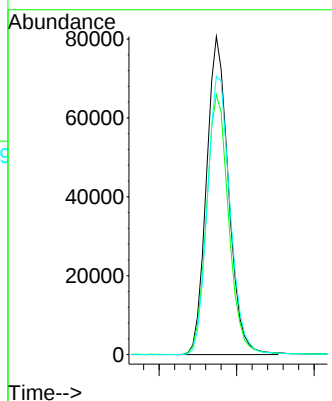
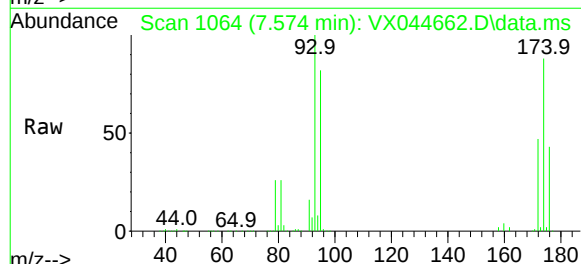
Tgt Ion: 93 Resp: 159130

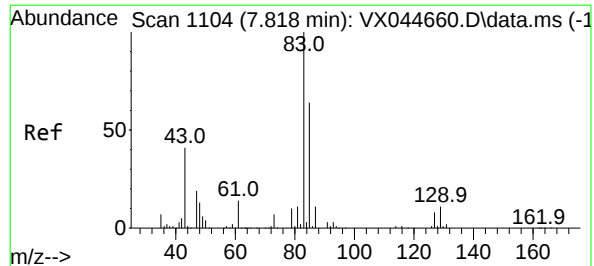
Ion Ratio Lower Upper

93 100

95 82.5 0.0 167.0

174 90.6 0.0 182.0





#41

Bromodichloromethane

Concen: 100.170 ug/l

RT: 7.818 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 324068

Ion Ratio Lower Upper

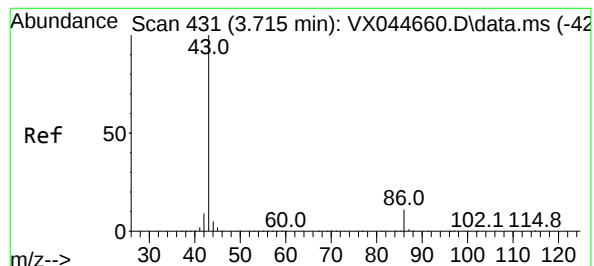
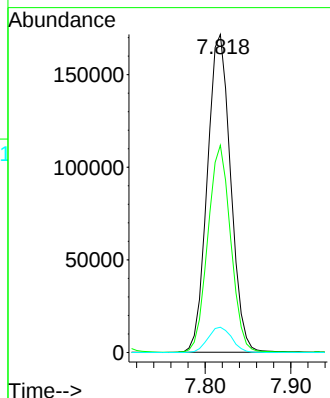
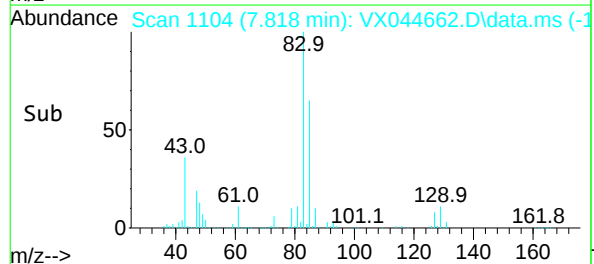
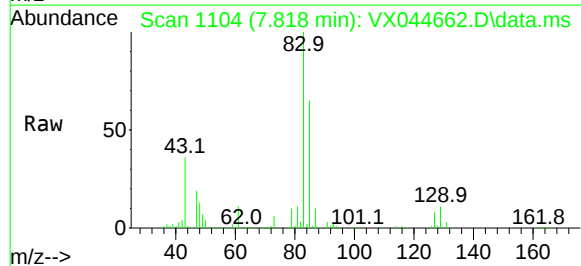
83 100

85 65.1 50.9 76.3

127 8.0 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#42

Vinyl Acetate

Concen: 501.741 ug/l

RT: 3.715 min Scan# 431

Delta R.T. 0.000 min

Lab File: VX044662.D

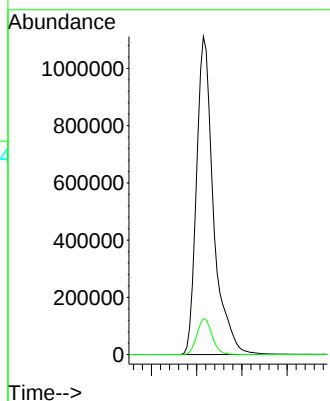
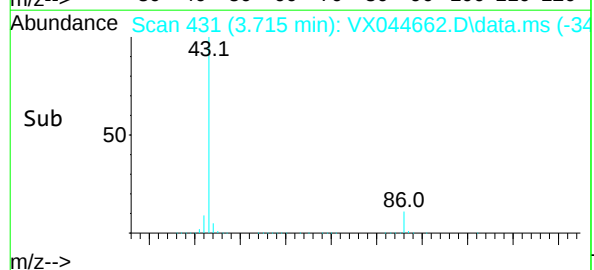
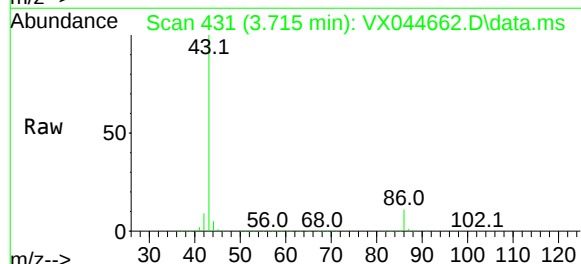
Acq: 16 Jan 2025 09:49

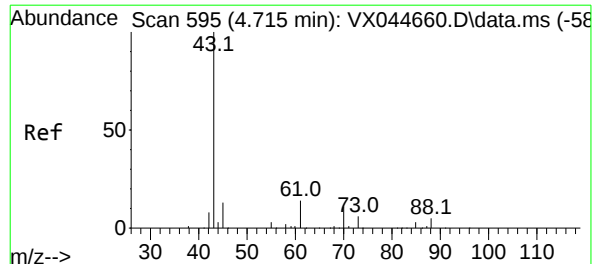
Tgt Ion: 43 Resp: 2899515

Ion Ratio Lower Upper

43 100

86 10.1 8.0 12.0





#43

Ethyl Acetate

Concen: 105.547 ug/l

RT: 4.708 min Scan# 59

Delta R.T. -0.006 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Tgt Ion: 43 Resp: 301278

Ion Ratio Lower Upper

43 100

45 14.5 0.1 0.1#

Instrument :

MSVOA_X

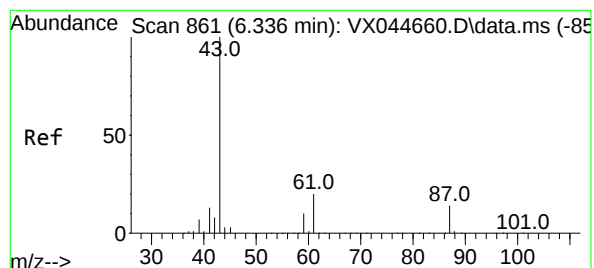
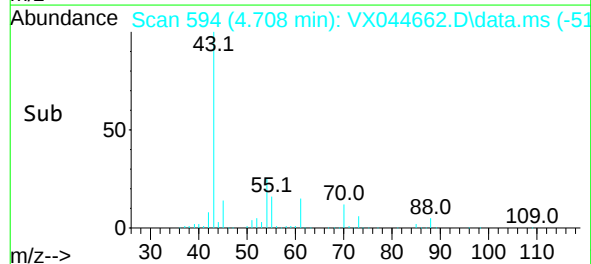
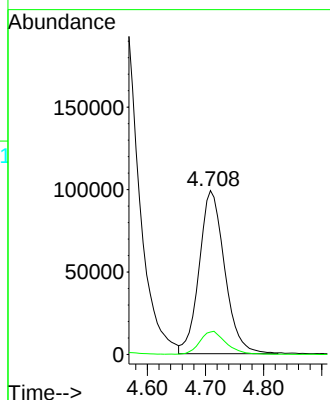
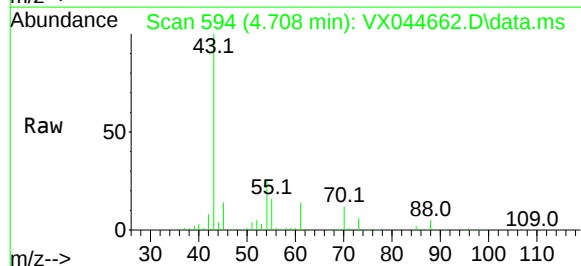
ClientSampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#44

Isopropyl Acetate

Concen: 102.223 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044662.D

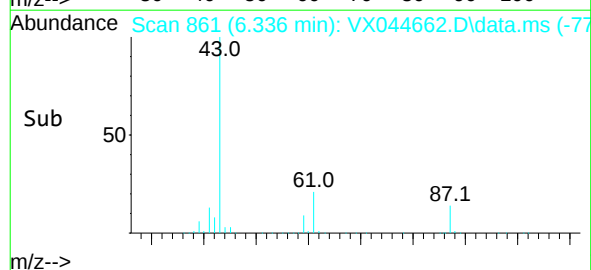
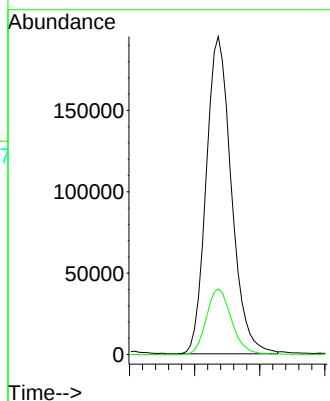
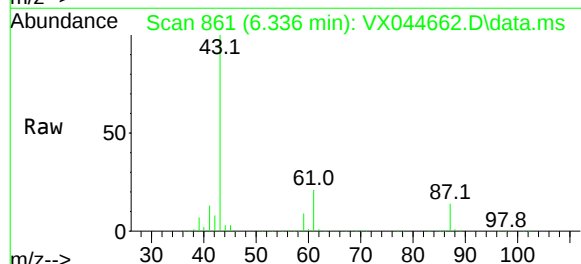
Acq: 16 Jan 2025 09:49

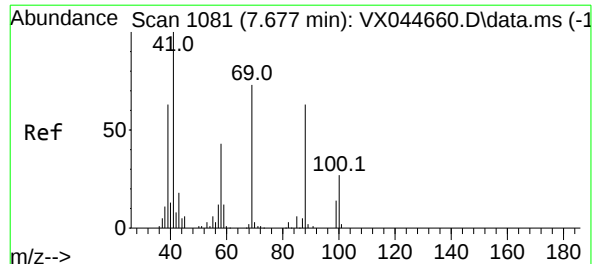
Tgt Ion: 43 Resp: 524207

Ion Ratio Lower Upper

43 100

61 20.7 16.2 24.4





#45

1,4-Dioxane

Concen: 1959.377 ug/l

RT: 7.671 min Scan# 1081

Delta R.T. -0.006 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 95678

Ion Ratio Lower Upper

88 100

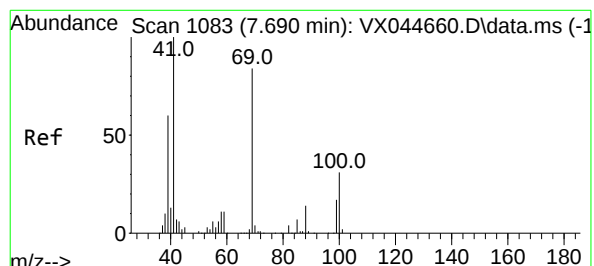
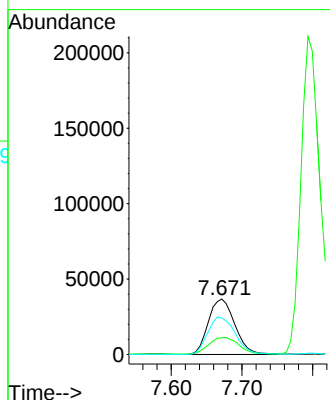
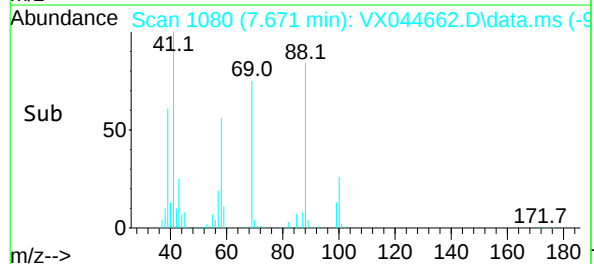
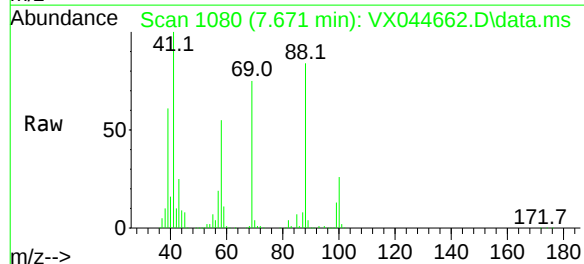
43 33.5 25.9 38.9

58 69.9 58.9 88.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#46

Methyl methacrylate

Concen: 101.293 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

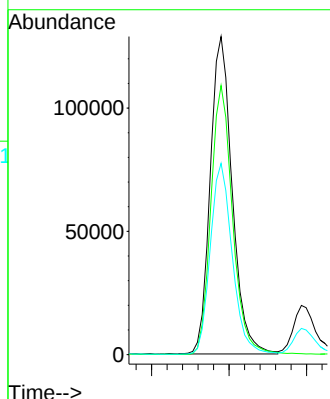
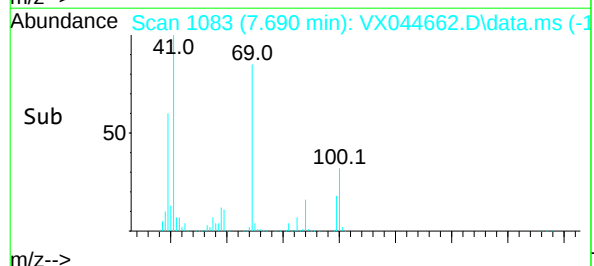
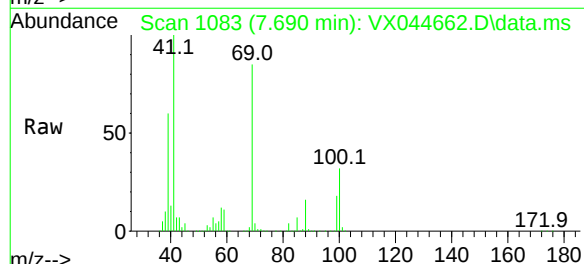
Tgt Ion: 41 Resp: 254259

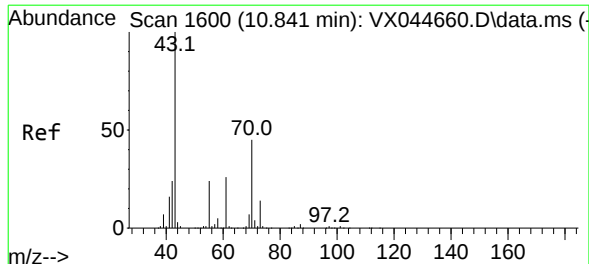
Ion Ratio Lower Upper

41 100

69 84.7 41.9 125.7

39 60.1 30.1 90.3





#47

n-amy1 Acetate

Concen: 99.102 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 426497

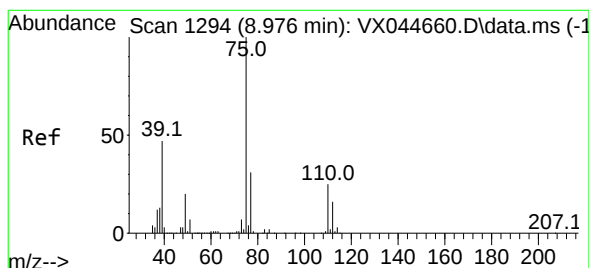
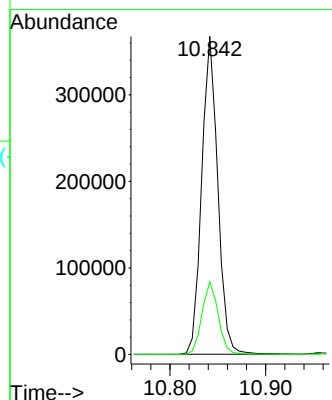
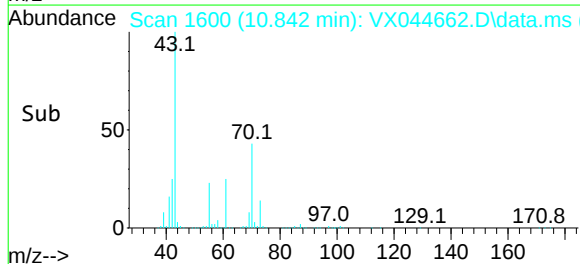
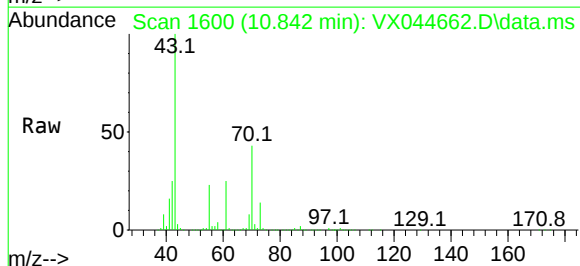
Ion Ratio Lower Upper

43 100

55 23.2 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#48

t-1,3-Dichloropropene

Concen: 101.765 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX044662.D

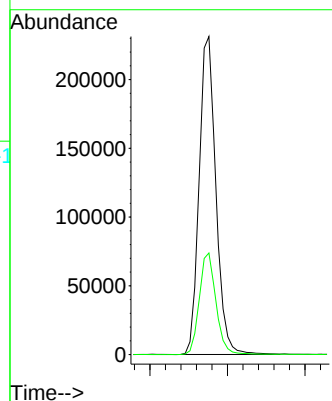
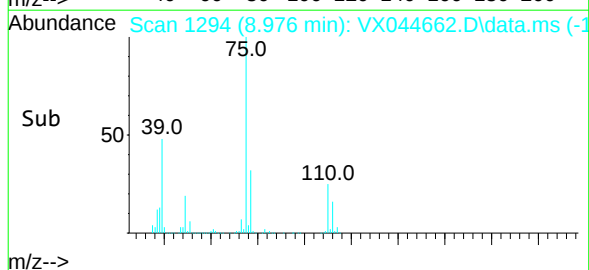
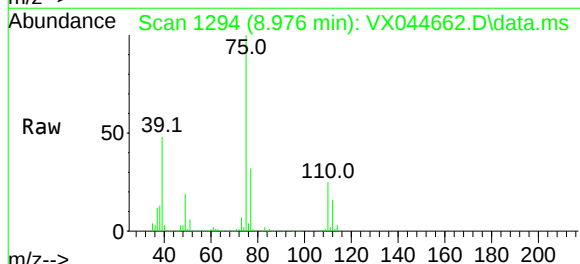
Acq: 16 Jan 2025 09:49

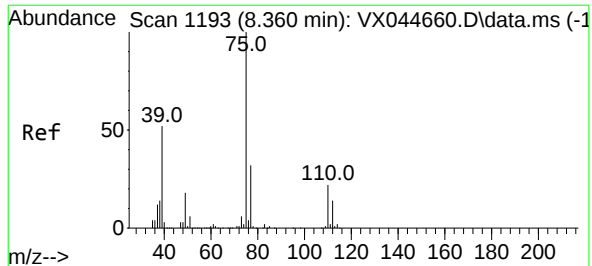
Tgt Ion: 75 Resp: 347499

Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 101.289 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 75 Resp: 370879

Ion Ratio Lower Upper

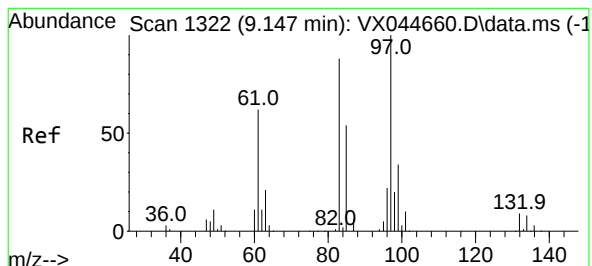
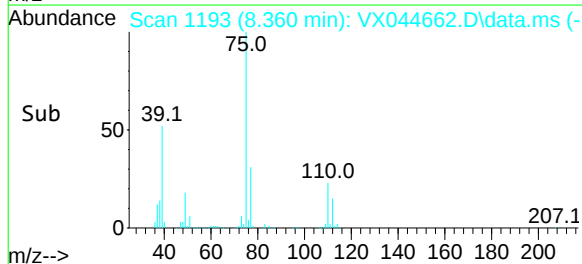
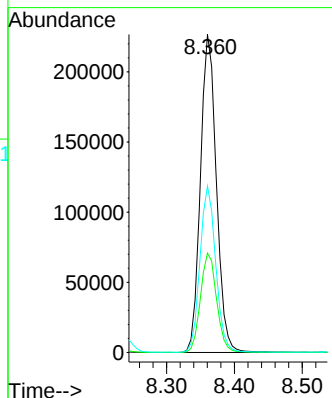
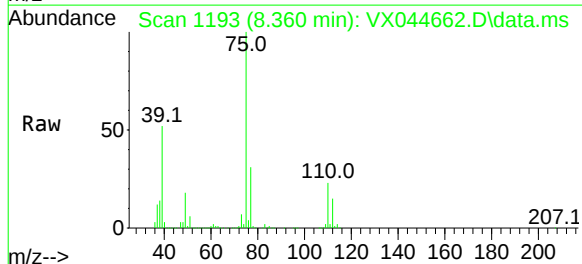
75 100

77 31.2 25.4 38.0

39 52.3 41.4 62.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#50

1,1,2-Trichloroethane

Concen: 98.117 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Tgt Ion: 97 Resp: 198320

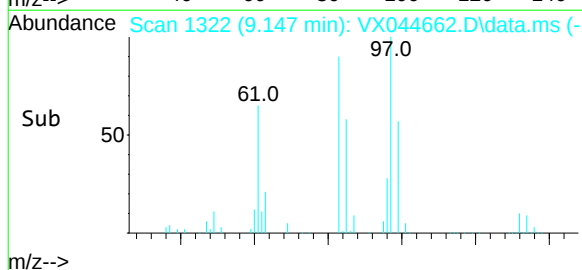
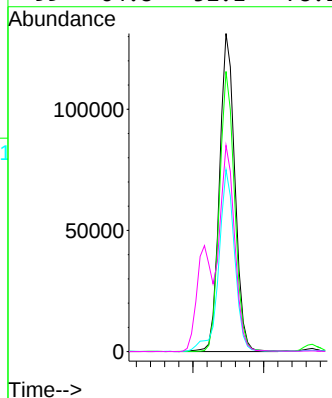
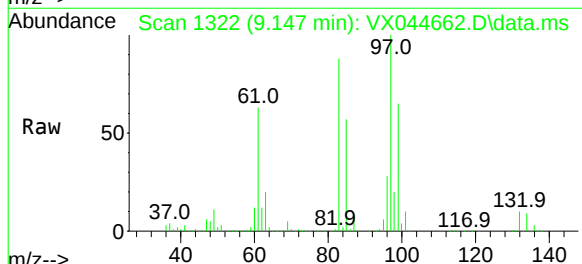
Ion Ratio Lower Upper

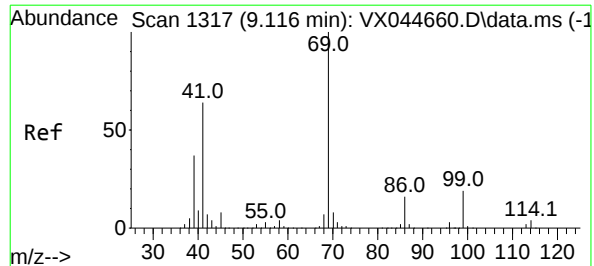
97 100

83 88.0 69.2 103.8

85 57.2 44.8 67.2

99 64.8 52.1 78.1





#51

Ethyl methacrylate

Concen: 99.647 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 69 Resp: 349309

Ion Ratio Lower Upper

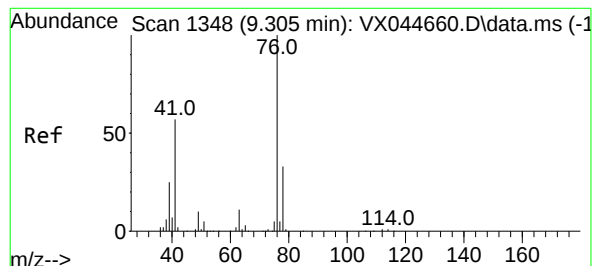
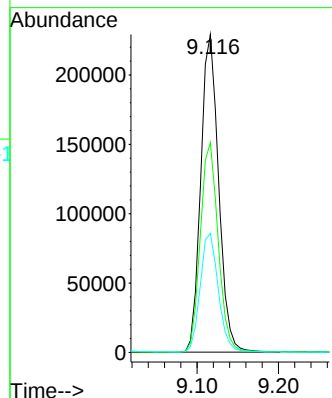
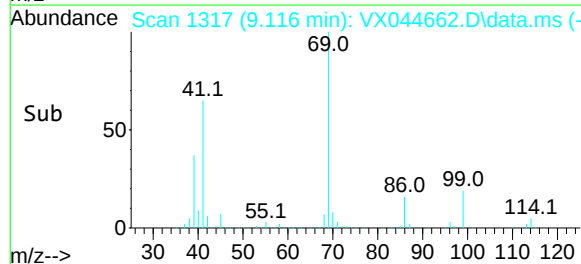
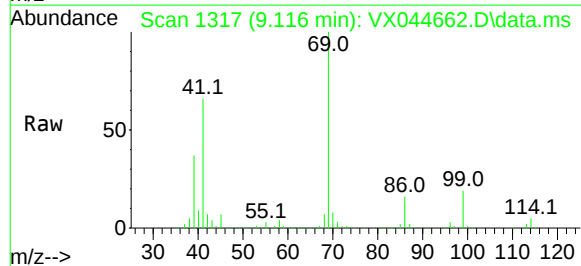
69 100

41 65.9 32.0 96.0

39 37.3 18.6 55.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#52

1,3-Dichloropropane

Concen: 98.954 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VX044662.D

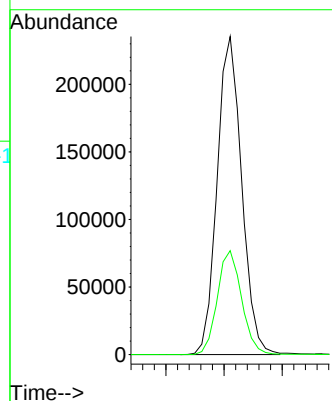
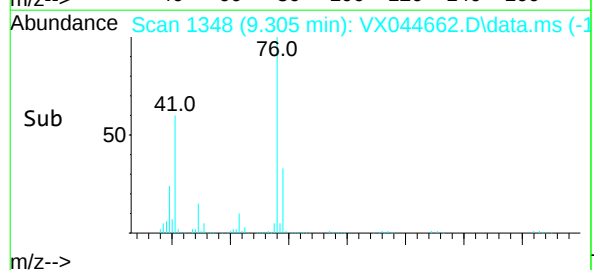
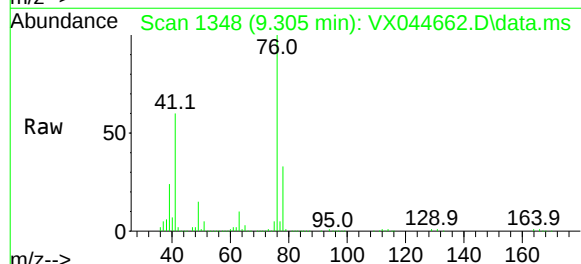
Acq: 16 Jan 2025 09:49

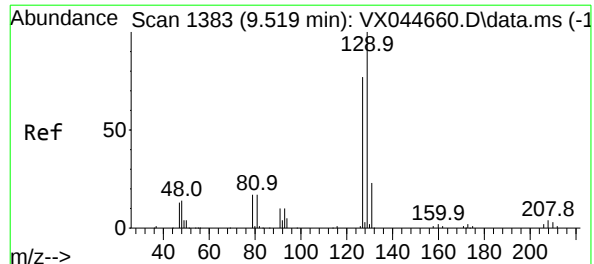
Tgt Ion: 76 Resp: 345352

Ion Ratio Lower Upper

76 100

78 32.3 0.0 64.0





#53

Dibromochloromethane

Concen: 98.596 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:129 Resp: 237742

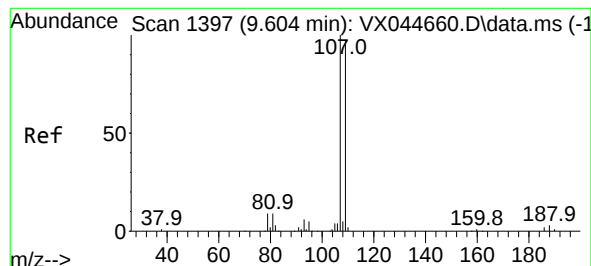
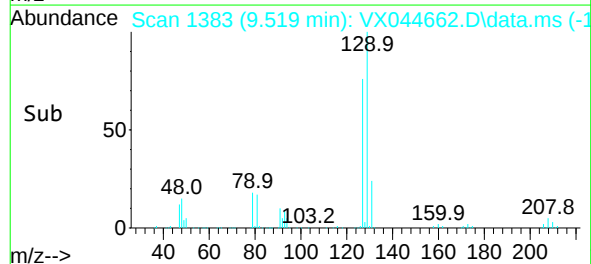
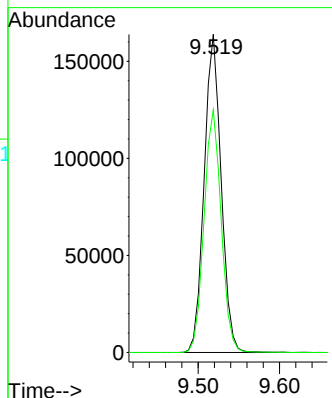
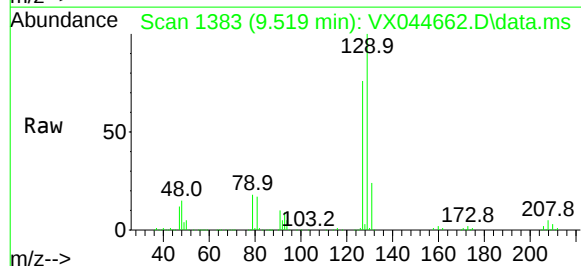
Ion Ratio Lower Upper

129 100

127 77.1 37.8 113.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#54

1,2-Dibromoethane

Concen: 98.575 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VX044662.D

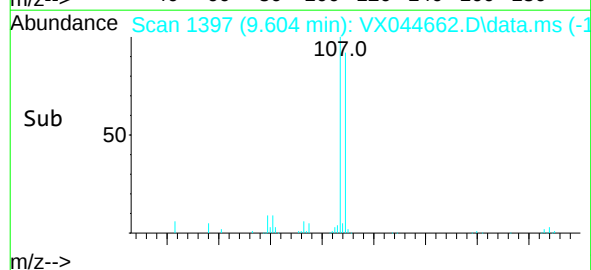
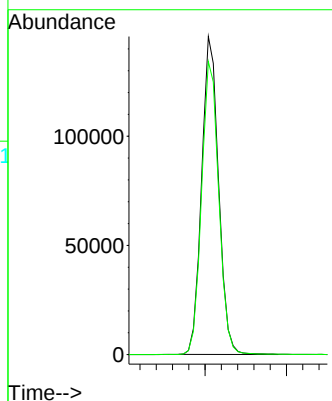
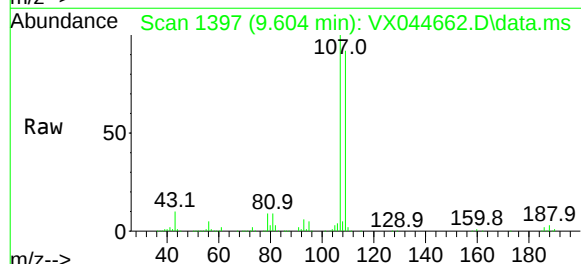
Acq: 16 Jan 2025 09:49

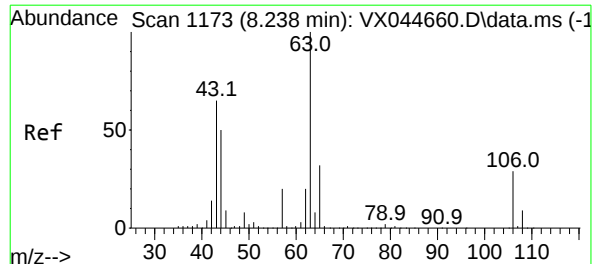
Tgt Ion:107 Resp: 210275

Ion Ratio Lower Upper

107 100

109 93.7 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 461.586 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 784090

Ion Ratio Lower Upper

63 100

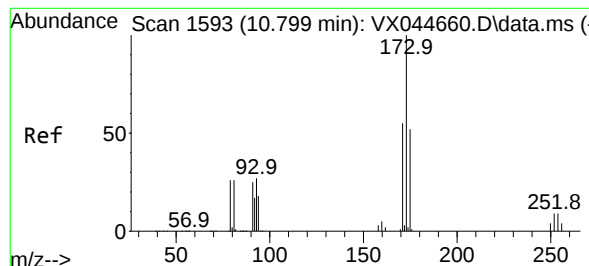
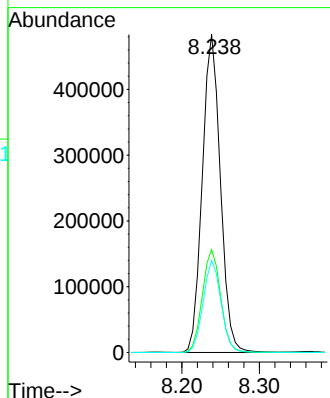
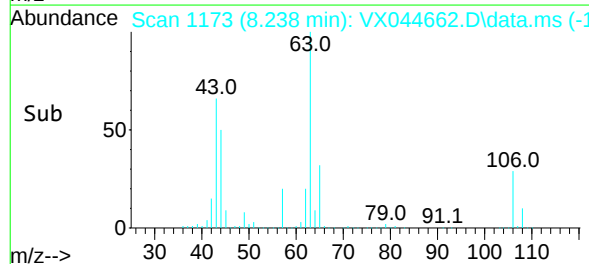
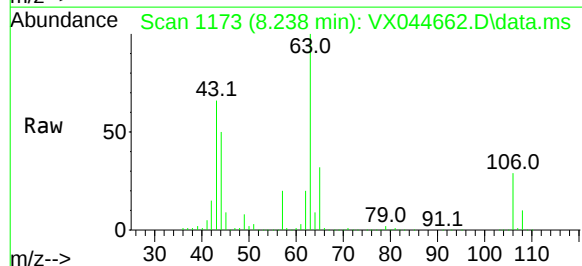
65 32.6 25.8 38.6

106 28.7 23.1 34.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025



#56

Bromoform

Concen: 98.522 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

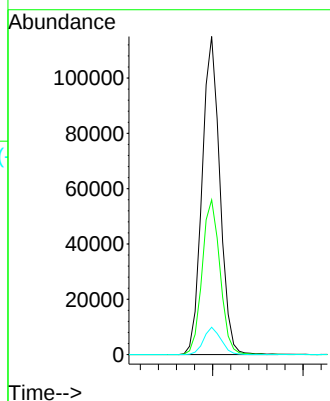
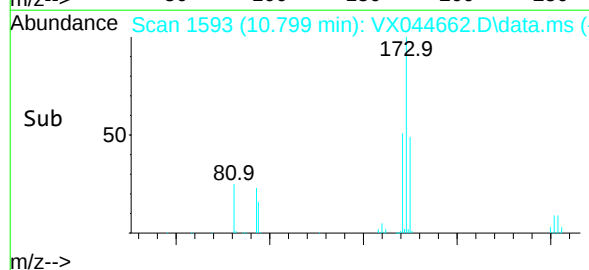
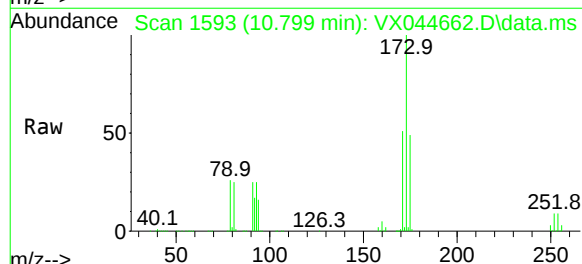
Tgt Ion:173 Resp: 157528

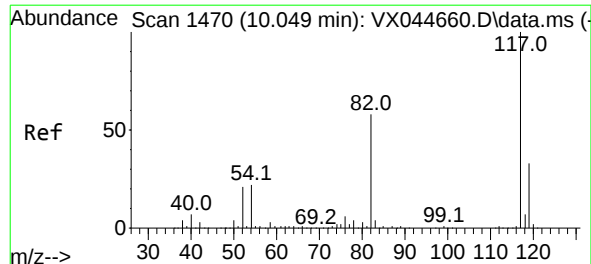
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.6

254 8.4 6.5 9.7





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

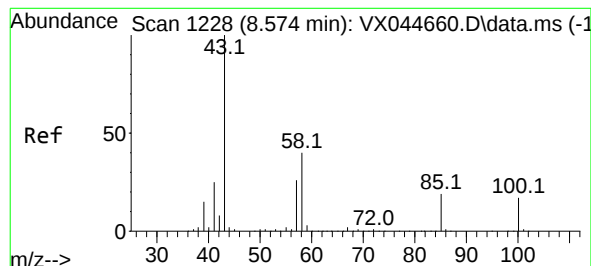
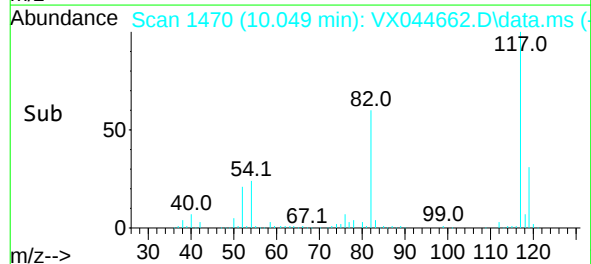
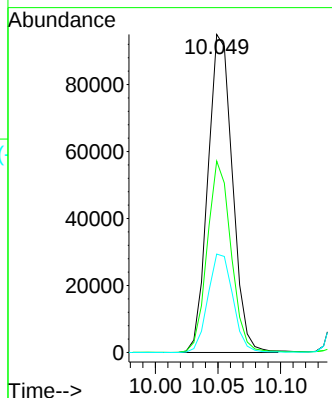
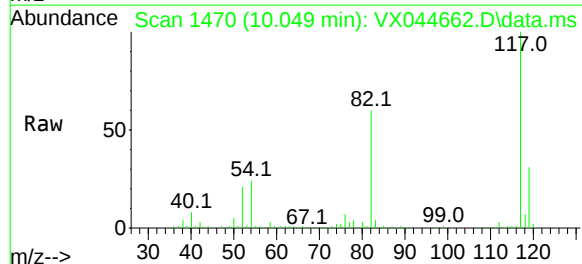
ClientSampleId :

VSTDICC100

Tgt Ion:	117	Resp:	129735
Ion	Ratio	Lower	Upper
117	100		
82	58.5	45.8	68.6
119	31.6	25.8	38.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#58

4-Methyl-2-Pentanone

Concen: 504.291 ug/l

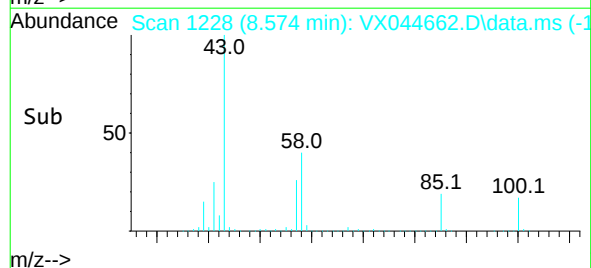
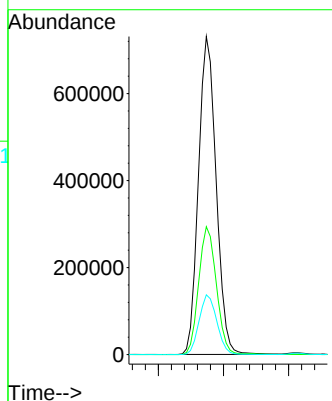
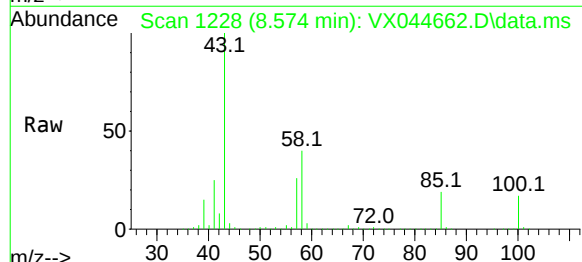
RT: 8.574 min Scan# 1228

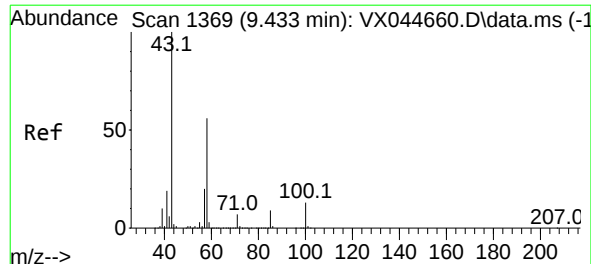
Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Tgt Ion:	43	Resp:	1379048
Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.7	47.5
85	18.9	15.0	22.6





#59

2-Hexanone

Concen: 507.718 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 1016466

Ion Ratio Lower Upper

43 100

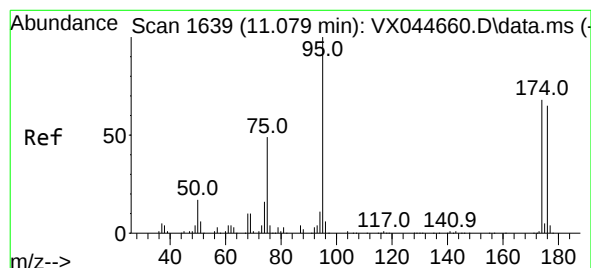
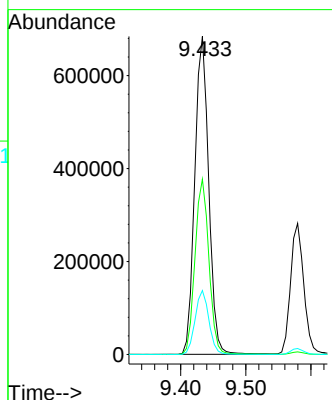
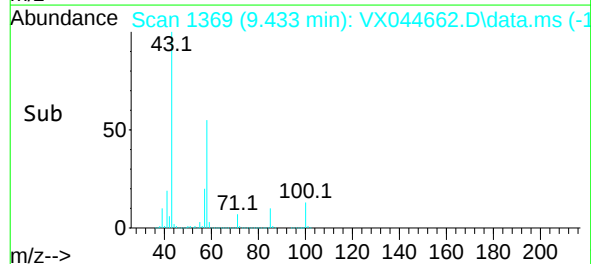
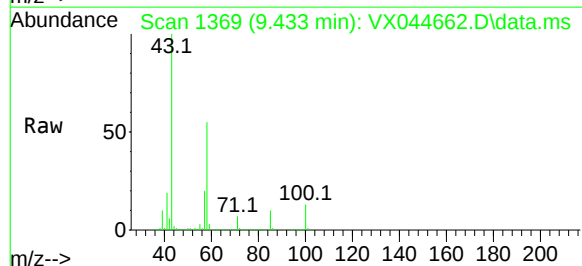
58 55.1 44.4 66.6

57 20.0 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#60

4-Bromofluorobenzene

Concen: 30.170 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

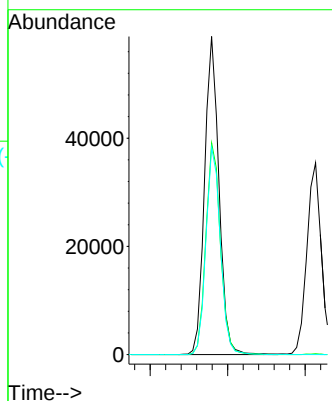
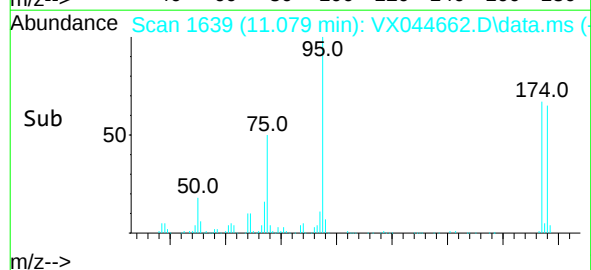
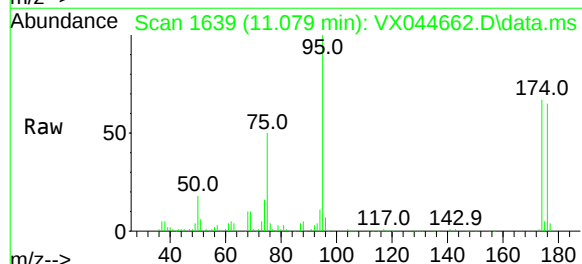
Tgt Ion: 95 Resp: 76025

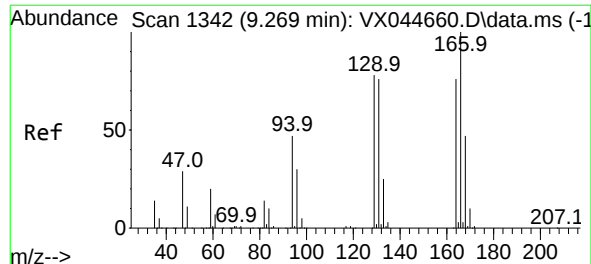
Ion Ratio Lower Upper

95 100

174 67.1 54.6 81.8

176 65.2 52.8 79.2





#61

Tetrachloroethene

Concen: 107.635 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:164 Resp: 167502

Ion Ratio Lower Upper

164 100

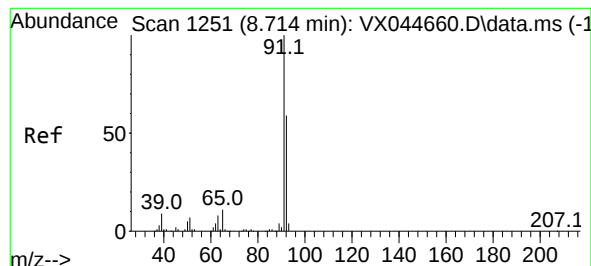
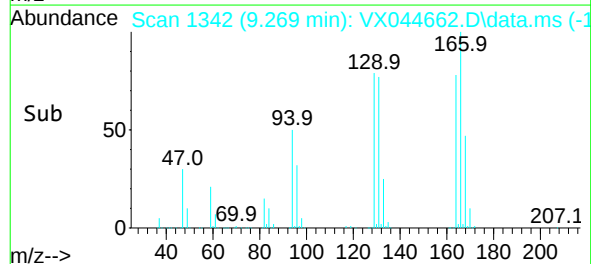
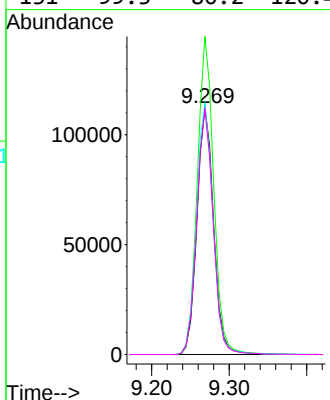
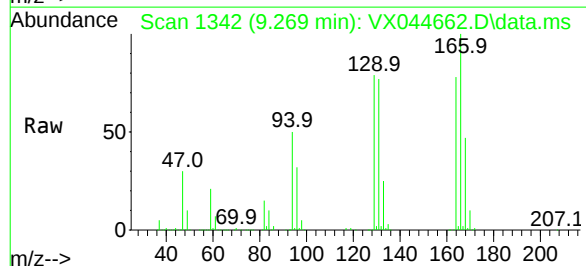
166 128.8 105.6 158.4

129 101.7 82.8 124.2

131 99.3 80.2 120.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#62

Toluene

Concen: 102.394 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044662.D

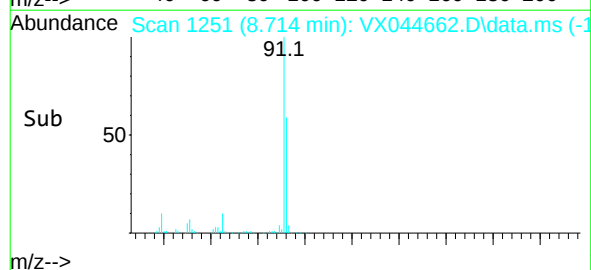
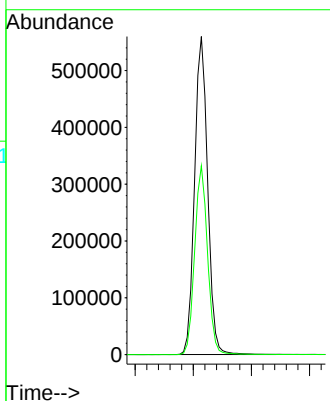
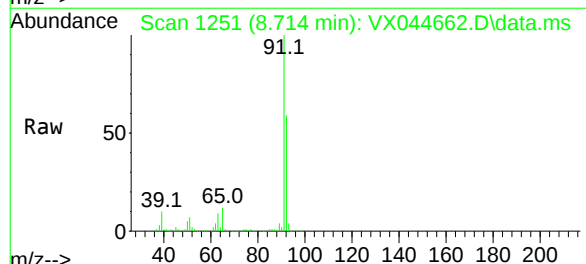
Acq: 16 Jan 2025 09:49

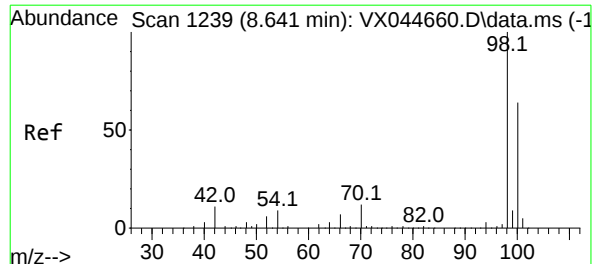
Tgt Ion: 91 Resp: 874711

Ion Ratio Lower Upper

91 100

92 58.6 47.3 70.9





#63

Toluene-d8

Concen: 30.042 ug/l

RT: 8.647 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 98 Resp: 211985

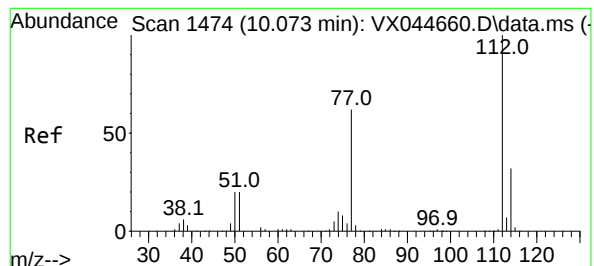
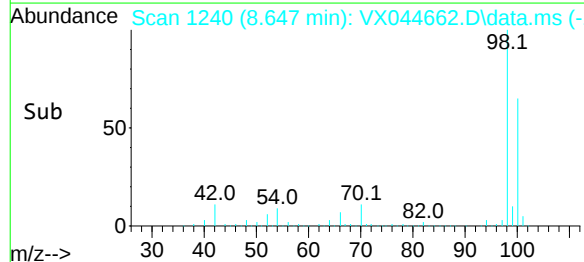
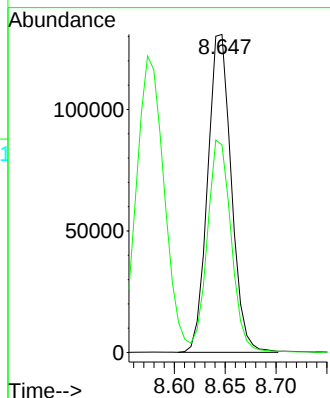
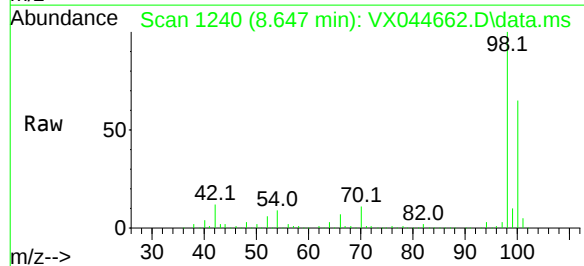
Ion Ratio Lower Upper

98 100

100 67.1 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#64

Chlorobenzene

Concen: 102.407 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. 0.000 min

Lab File: VX044662.D

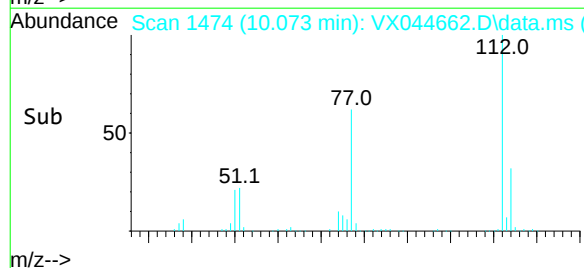
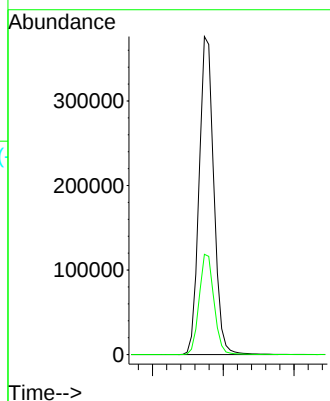
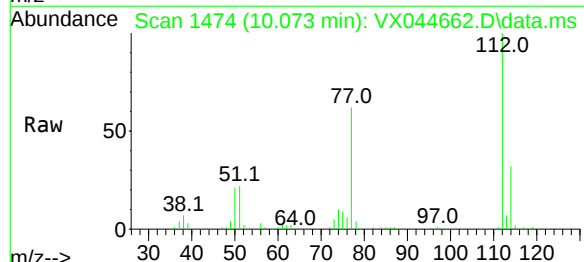
Acq: 16 Jan 2025 09:49

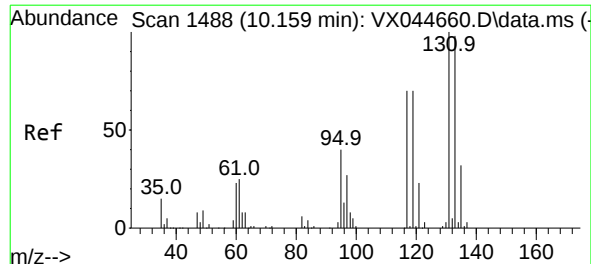
Tgt Ion:112 Resp: 543310

Ion Ratio Lower Upper

112 100

114 31.5 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 101.781 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

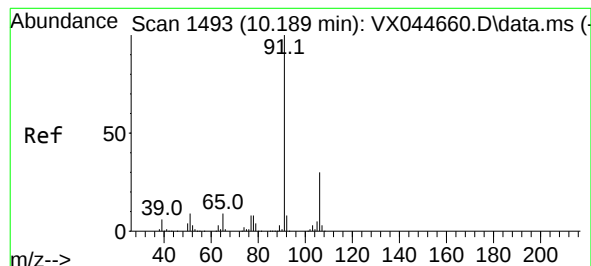
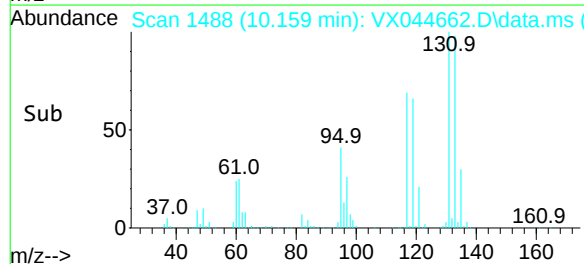
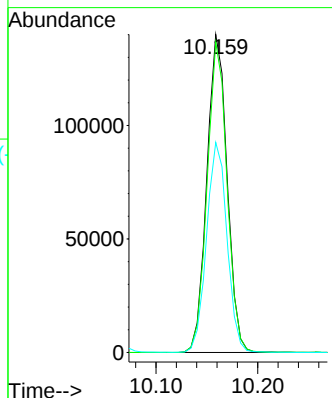
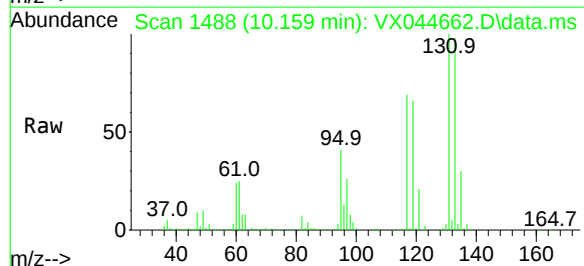
ClientSampleId :

VSTDIC100

Tgt Ion:	131	Resp:	193974
Ion Ratio	Lower	Upper	
131	100		
133	95.8	0.0	192.4
119	66.7	0.0	133.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#66

Ethyl Benzene

Concen: 103.326 ug/l

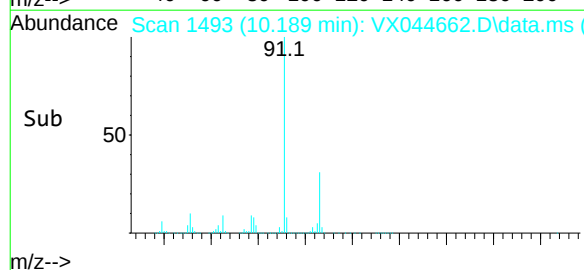
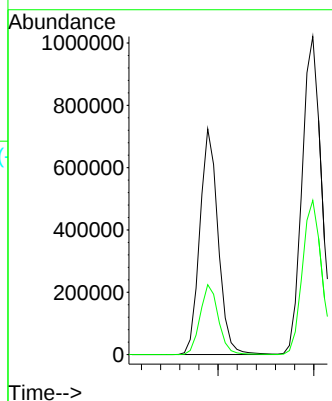
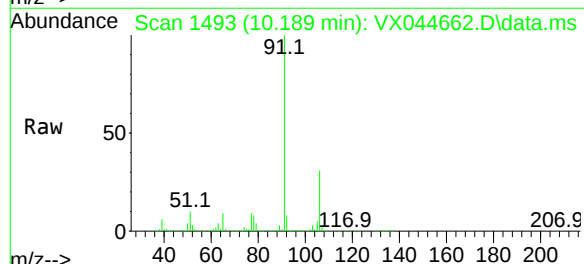
RT: 10.189 min Scan# 1493

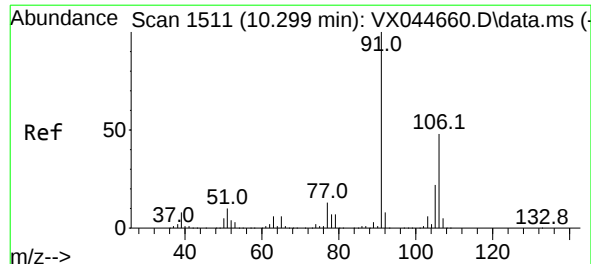
Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Tgt Ion:	91	Resp:	963283
Ion Ratio	Lower	Upper	
91	100		
106	31.0	24.0	36.0





#67

m/p-Xylenes

Concen: 203.888 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:106 Resp: 698697

Ion Ratio Lower Upper

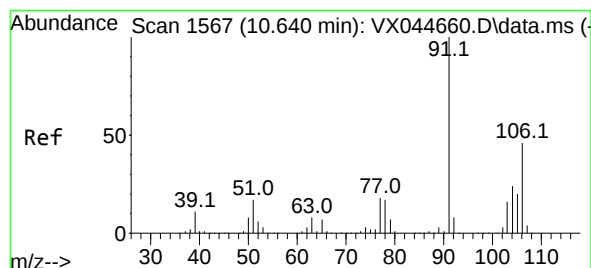
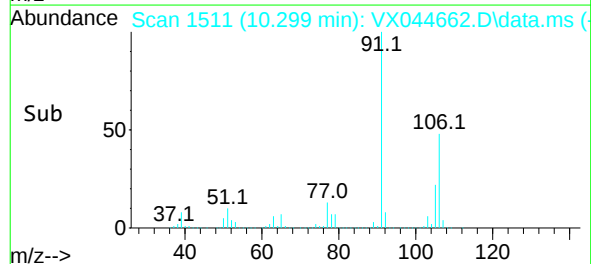
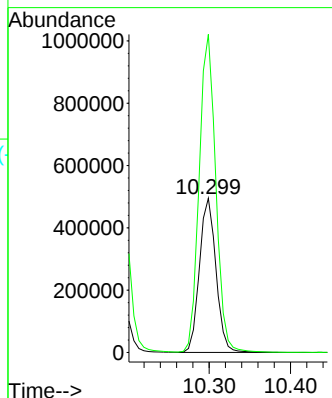
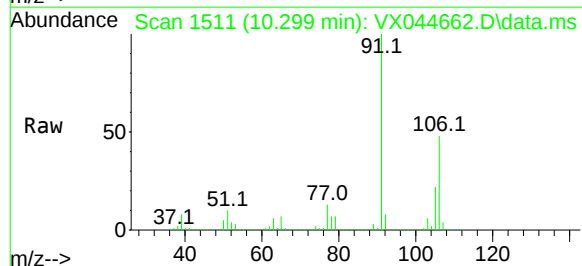
106 100

91 207.1 166.8 250.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#68

o-Xylene

Concen: 100.645 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044662.D

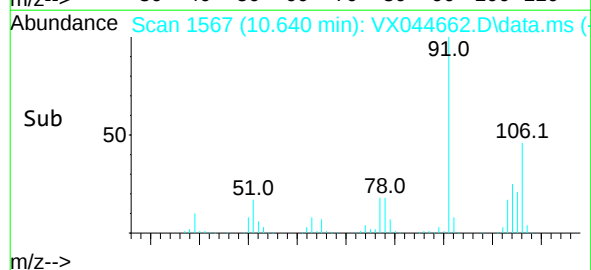
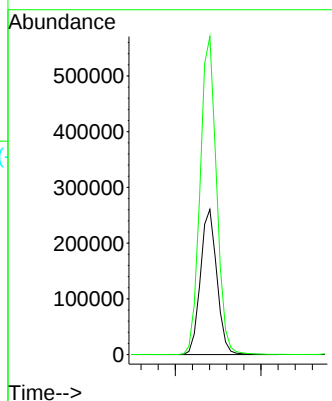
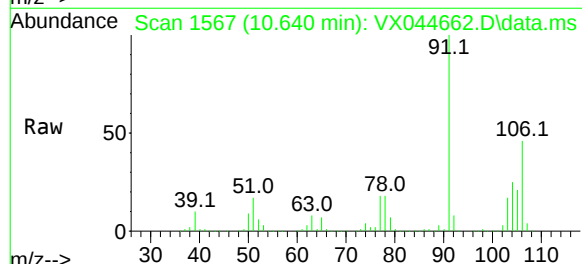
Acq: 16 Jan 2025 09:49

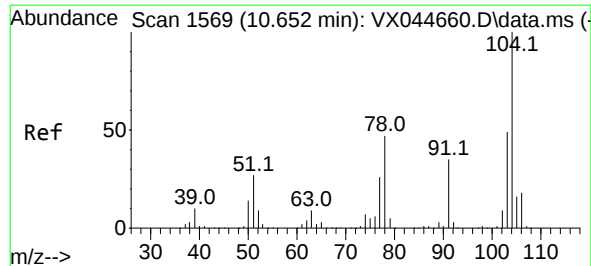
Tgt Ion:106 Resp: 346159

Ion Ratio Lower Upper

106 100

91 219.3 109.7 329.1





#69

Styrene

Concen: 101.207 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:104 Resp: 571513

Ion Ratio Lower Upper

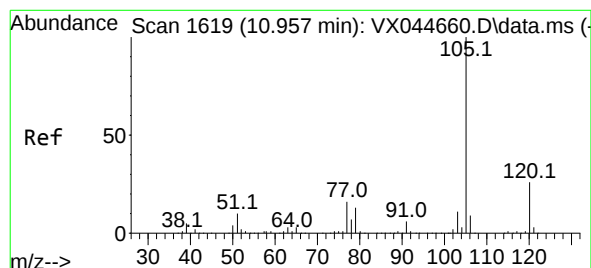
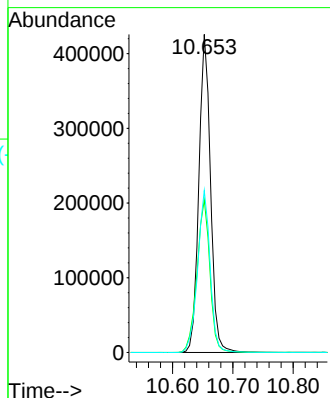
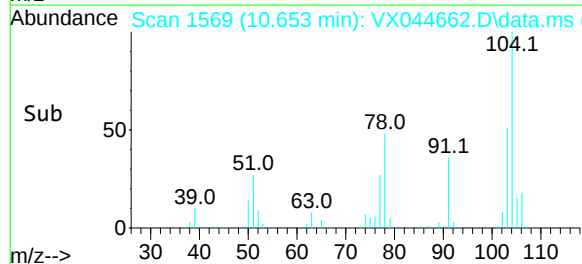
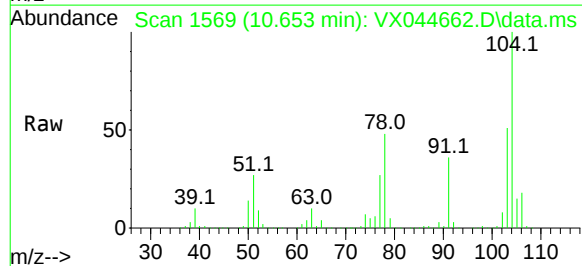
104 100

78 53.5 42.0 63.0

103 54.8 43.1 64.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#70

Isopropylbenzene

Concen: 102.087 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VX044662.D

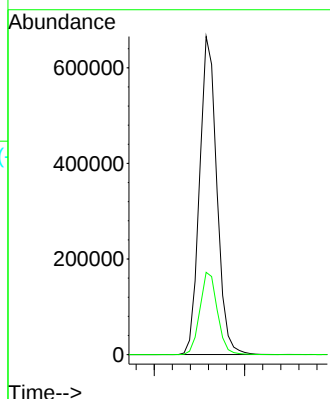
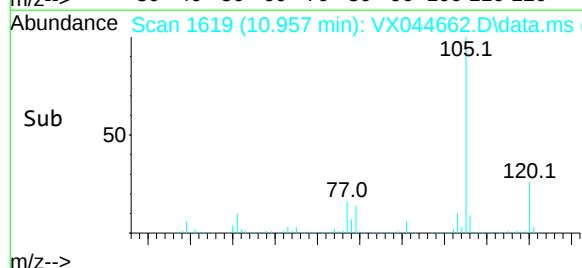
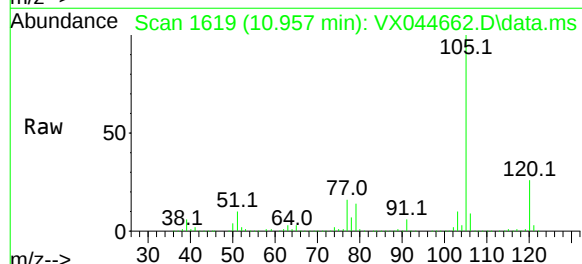
Acq: 16 Jan 2025 09:49

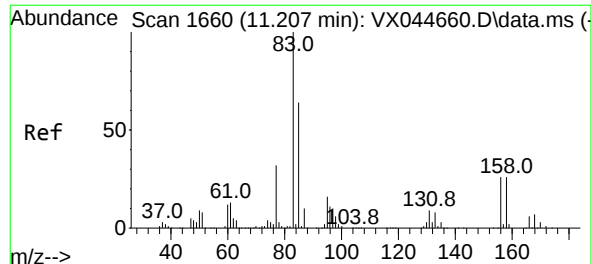
Tgt Ion:105 Resp: 882679

Ion Ratio Lower Upper

105 100

120 26.2 18.6 34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 99.668 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.006 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 290188

Ion Ratio Lower Upper

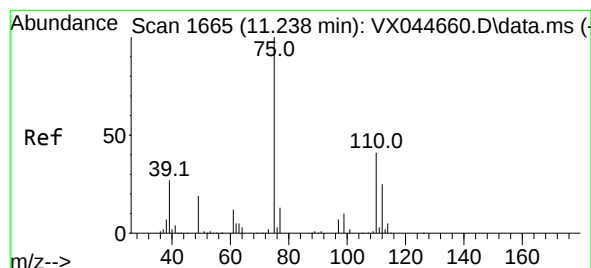
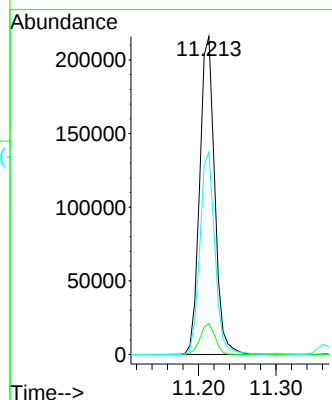
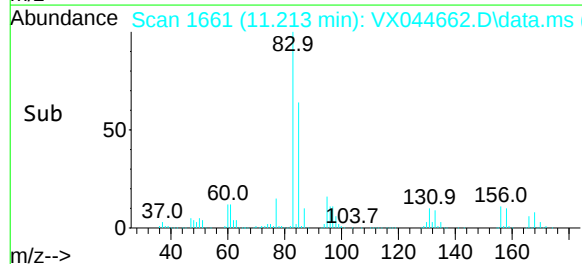
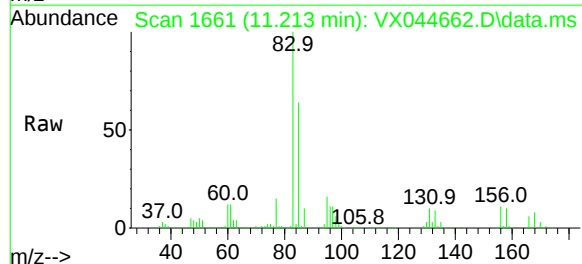
83 100

131 9.7 5.0 14.9

85 63.9 33.0 99.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#72

1,2,3-Trichloropropane

Concen: 101.490 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX044662.D

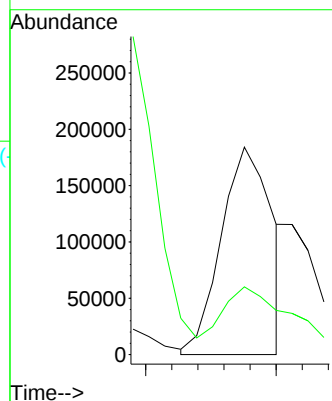
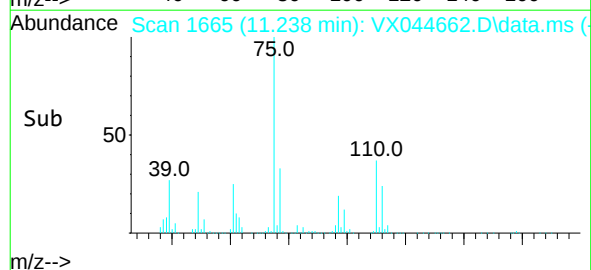
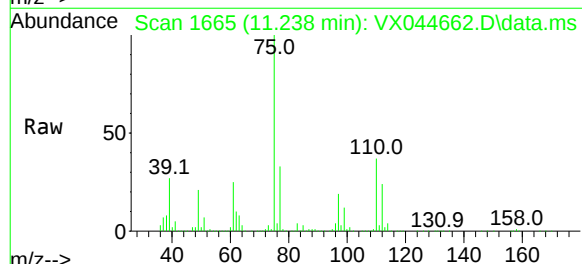
Acq: 16 Jan 2025 09:49

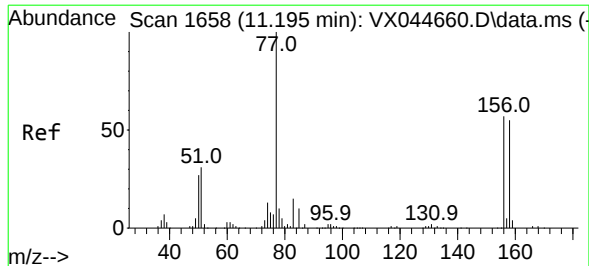
Tgt Ion: 75 Resp: 248182

Ion Ratio Lower Upper

75 100

77 45.9 0.0 83.0





#73

Bromobenzene

Concen: 100.912 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:156 Resp: 203263

Ion Ratio Lower Upper

156 100

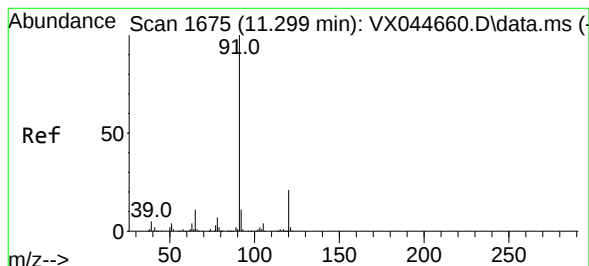
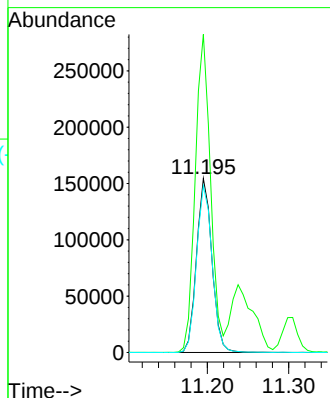
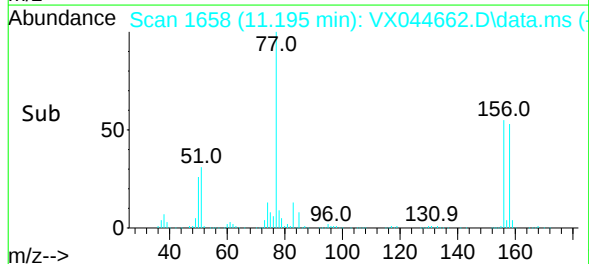
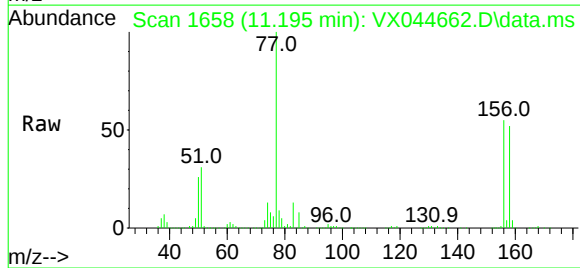
77 181.5 0.0 354.6

158 97.2 0.0 193.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#74

n-propylbenzene

Concen: 104.320 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044662.D

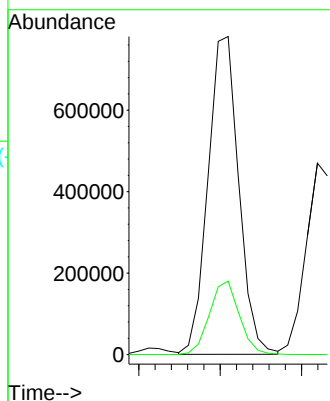
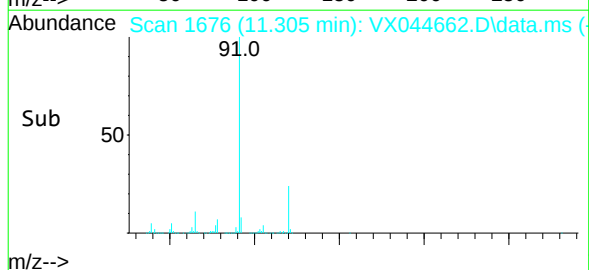
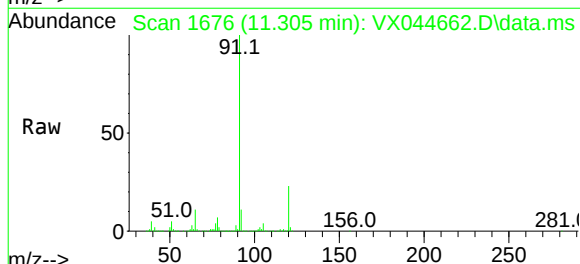
Acq: 16 Jan 2025 09:49

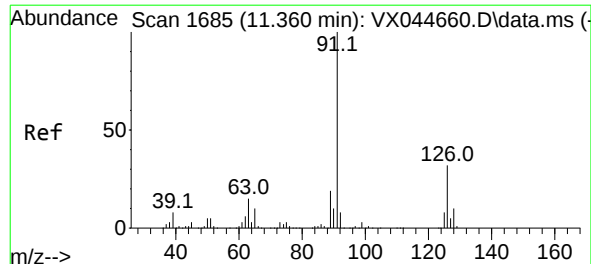
Tgt Ion: 91 Resp: 1025231

Ion Ratio Lower Upper

91 100

120 22.5 0.0 45.0





#75

2-Chlorotoluene

Concen: 100.627 ug/l

RT: 11.360 min Scan# 16

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 621611

Ion Ratio Lower Upper

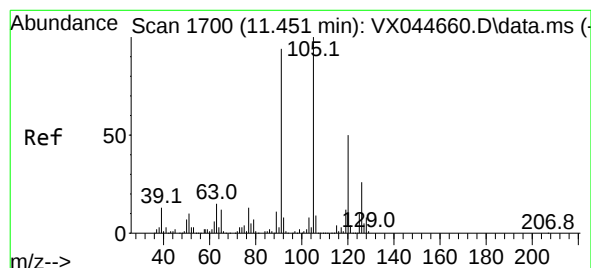
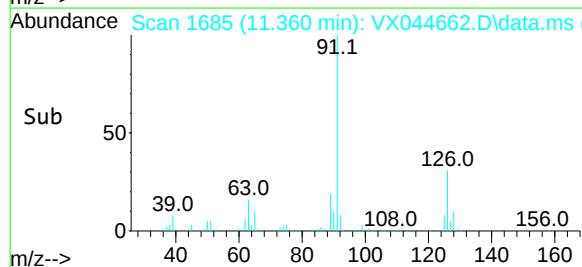
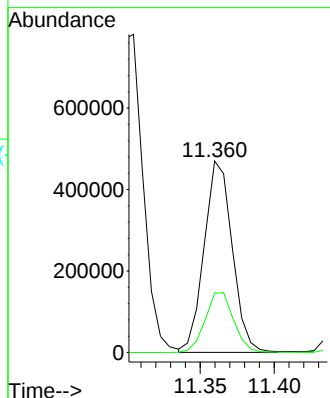
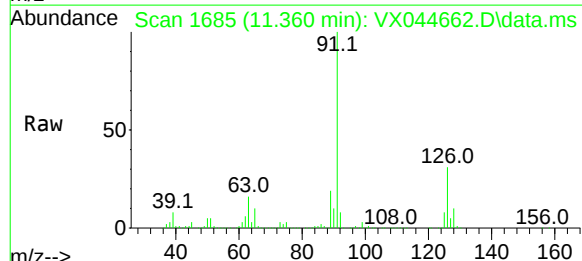
91 100

126 31.9 0.0 64.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#76

1,3,5-Trimethylbenzene

Concen: 100.977 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044662.D

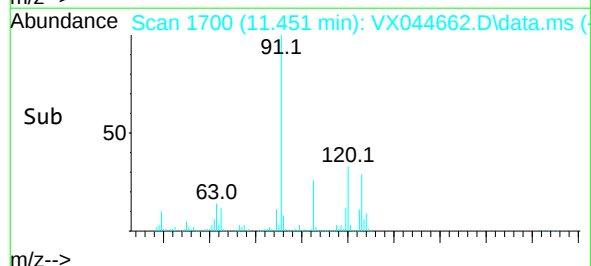
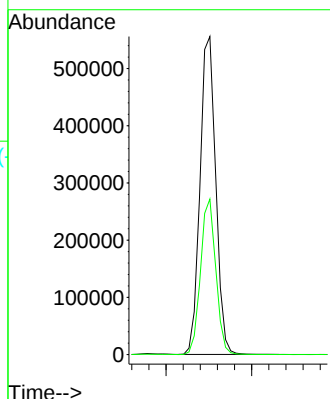
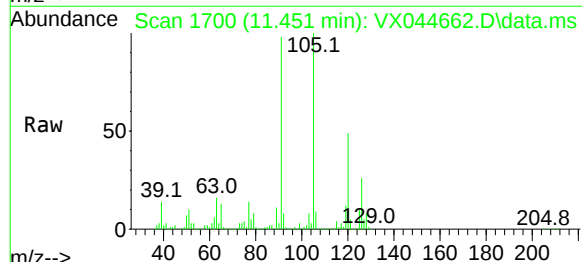
Acq: 16 Jan 2025 09:49

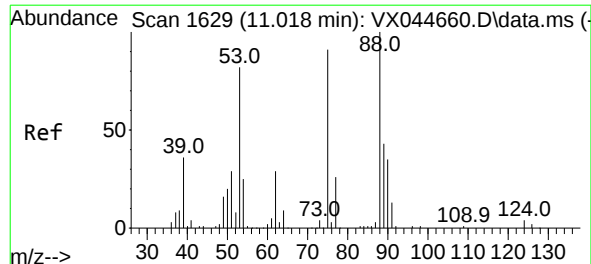
Tgt Ion:105 Resp: 709035

Ion Ratio Lower Upper

105 100

120 47.4 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 103.824 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 75 Resp: 120113

Ion Ratio Lower Upper

75 100

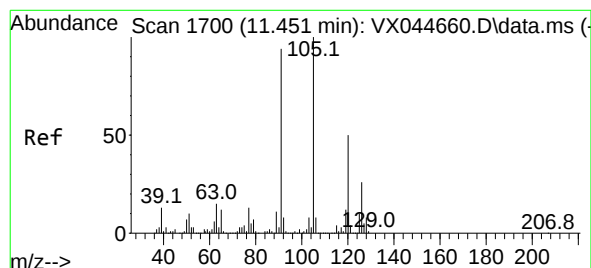
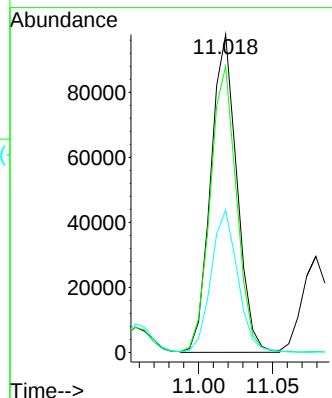
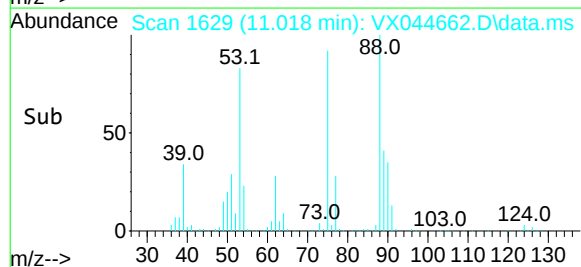
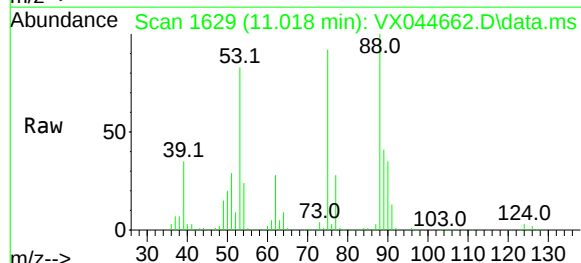
53 89.9 45.3 135.9

89 44.6 23.8 71.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#78

4-Chlorotoluene

Concen: 101.840 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044662.D

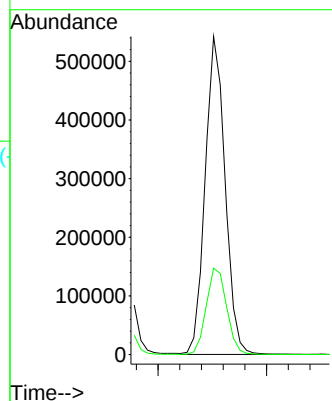
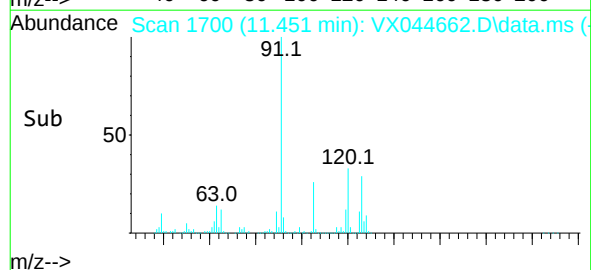
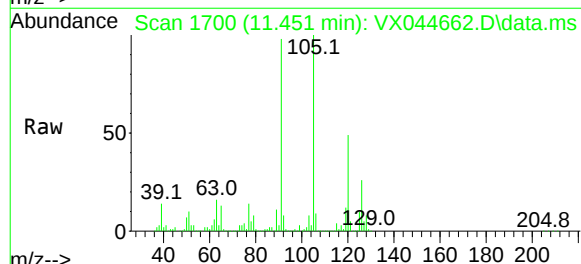
Acq: 16 Jan 2025 09:49

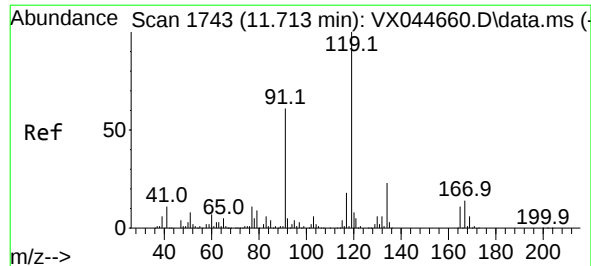
Tgt Ion: 91 Resp: 692856

Ion Ratio Lower Upper

91 100

126 28.0 0.0 55.4





#79

tert-butylbenzene

Concen: 100.390 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:119 Resp: 724166

Ion Ratio Lower Upper

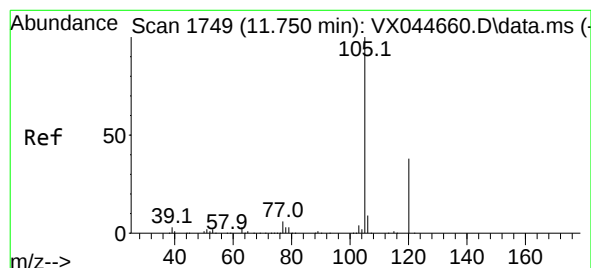
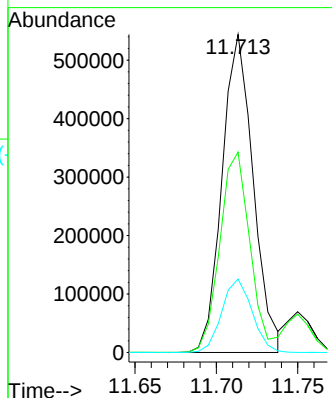
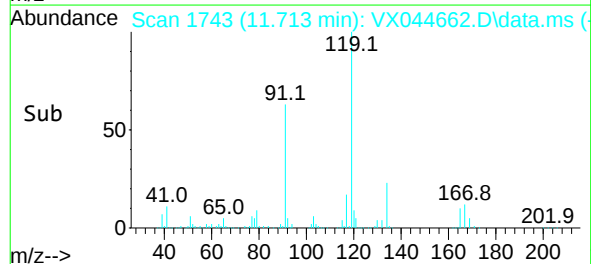
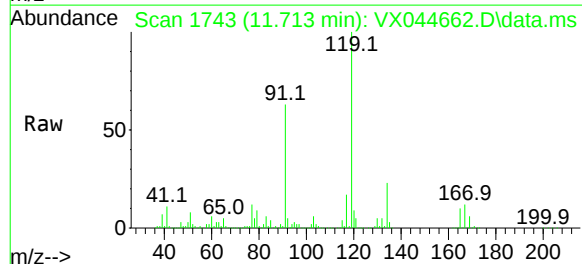
119 100

91 60.2 0.0 119.0

134 22.5 0.0 44.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#80

1,2,4-Trimethylbenzene

Concen: 101.327 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044662.D

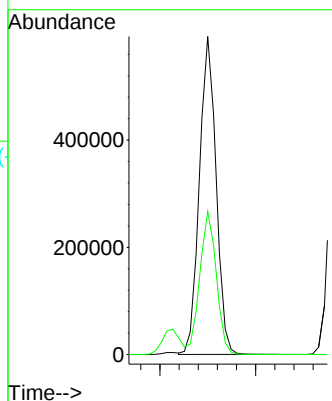
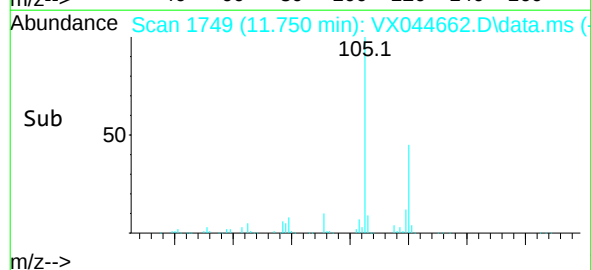
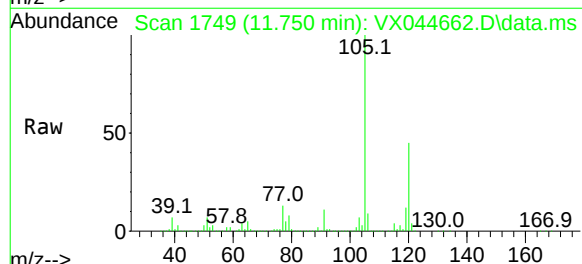
Acq: 16 Jan 2025 09:49

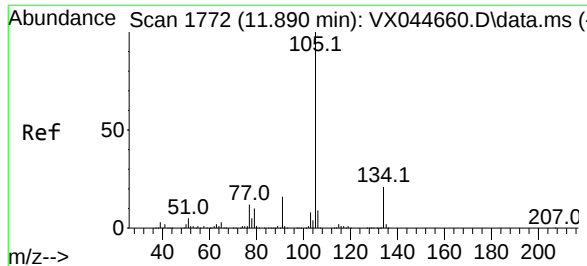
Tgt Ion:105 Resp: 717847

Ion Ratio Lower Upper

105 100

120 44.7 0.0 88.4





#81

sec-Butylbenzene

Concen: 102.823 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:105 Resp: 885682

Ion Ratio Lower Upper

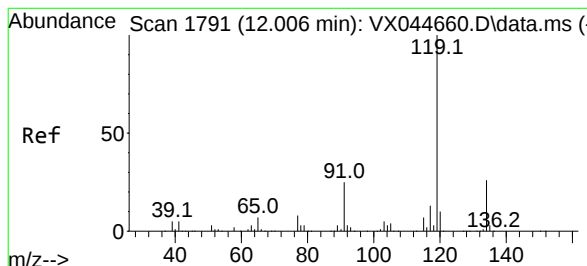
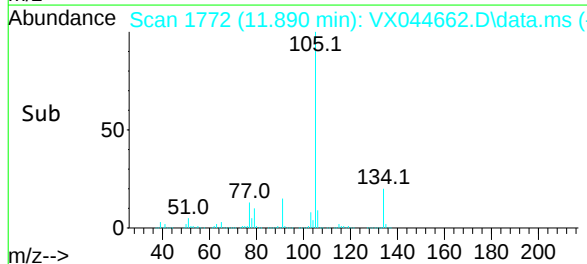
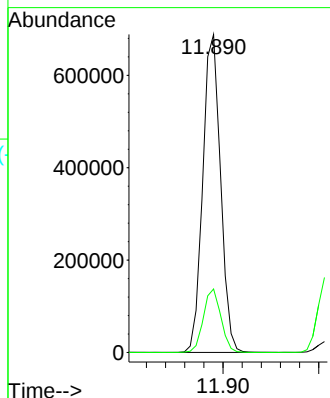
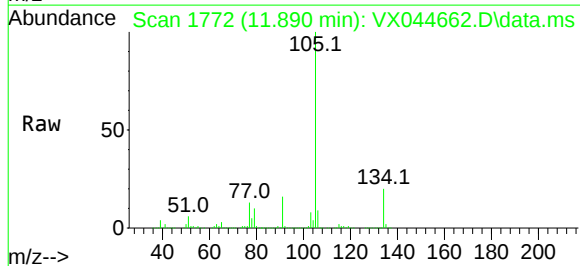
105 100

134 19.8 0.0 39.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#82

p-Isopropyltoluene

Concen: 103.112 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

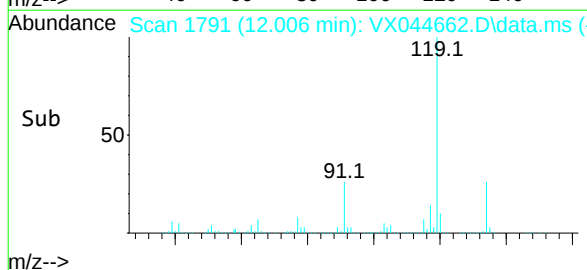
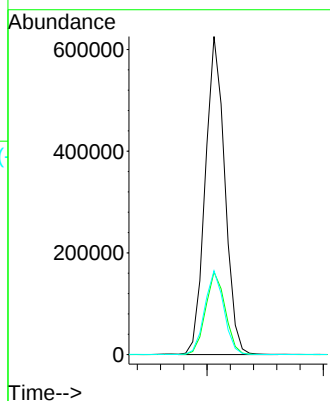
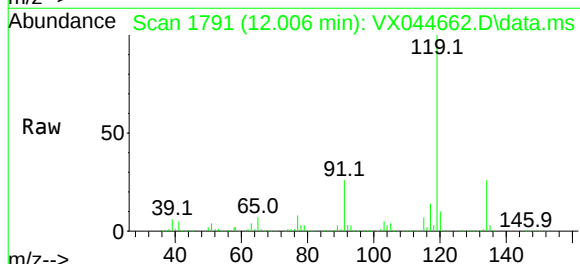
Tgt Ion:119 Resp: 730972

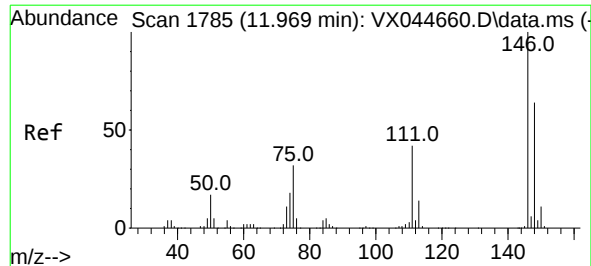
Ion Ratio Lower Upper

119 100

134 26.0 0.0 52.2

91 25.7 0.0 50.2





#83

1,3-Dichlorobenzene

Concen: 103.731 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 371118

Ion Ratio Lower Upper

146 100

111 43.6 21.6 64.6

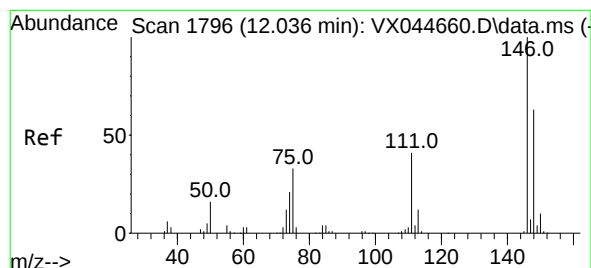
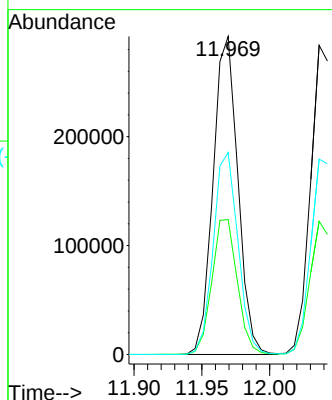
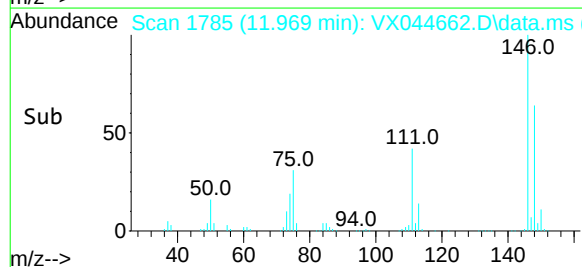
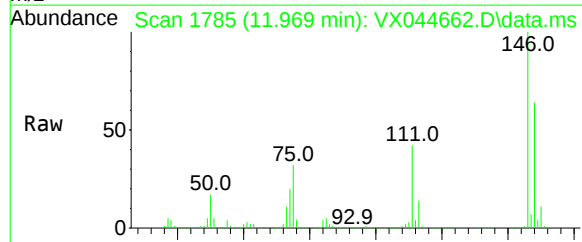
148 63.6 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025

Supervised By :Semsettin Yesilyurt 01/17/2025



#84

1,4-Dichlorobenzene

Concen: 103.715 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

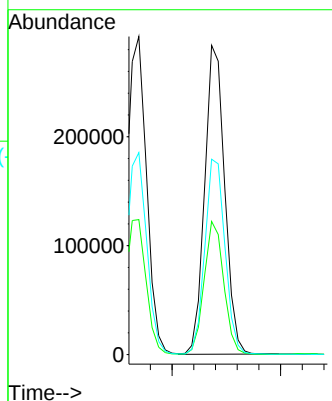
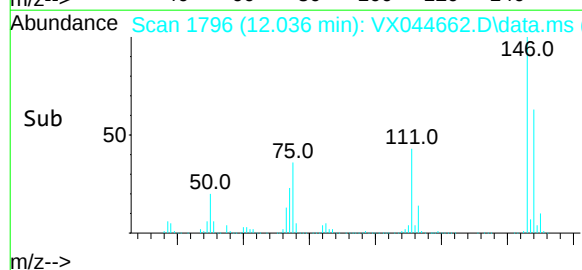
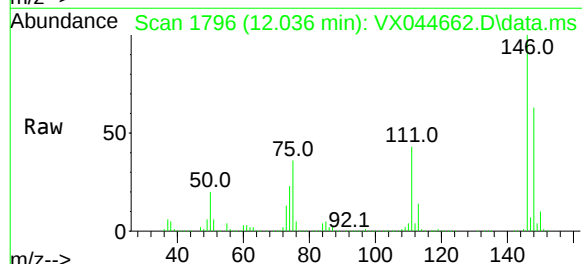
Tgt Ion:146 Resp: 363763

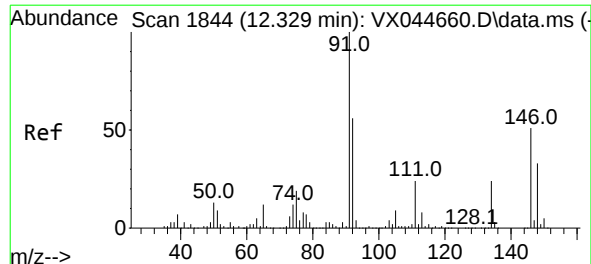
Ion Ratio Lower Upper

146 100

111 42.5 20.8 62.5

148 64.0 32.1 96.5





#85

n-Butylbenzene

Concen: 108.125 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 664449

Ion Ratio Lower Upper

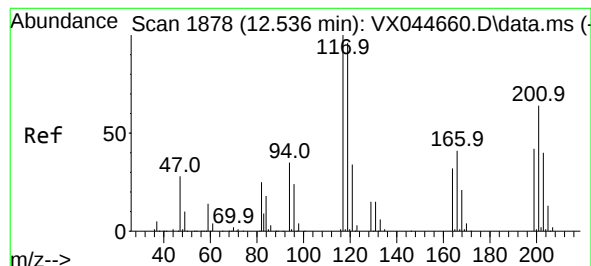
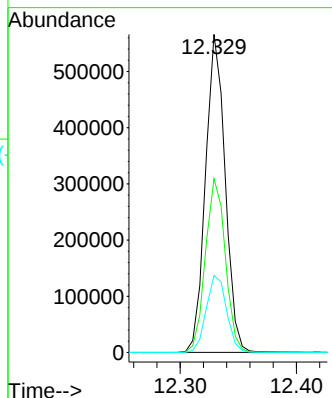
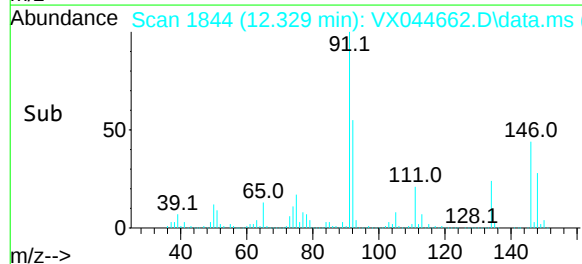
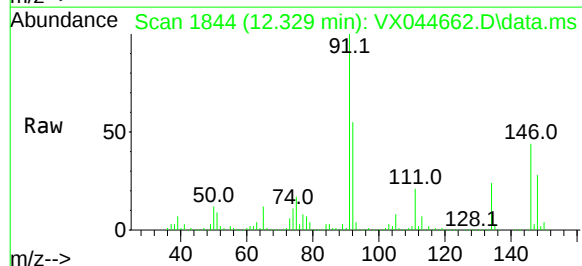
91 100

92 55.4 0.0 109.4

134 25.1 0.0 49.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#86

Hexachloroethane

Concen: 101.842 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044662.D

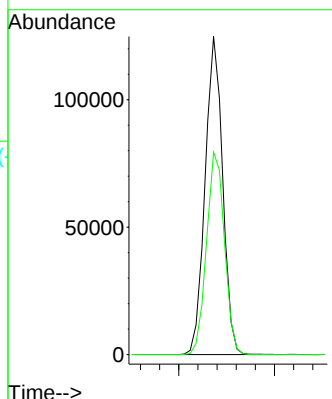
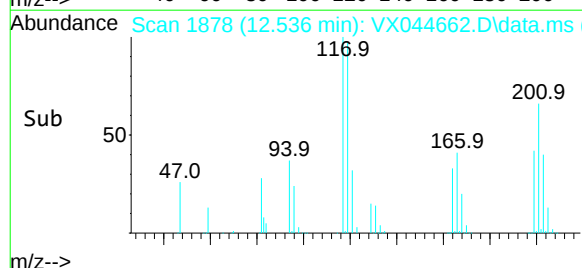
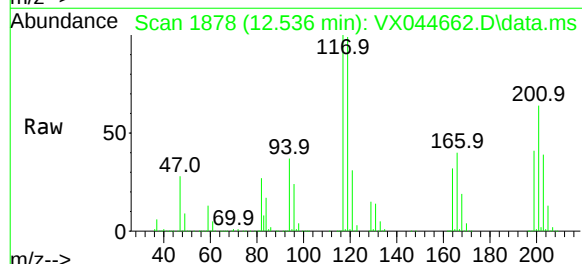
Acq: 16 Jan 2025 09:49

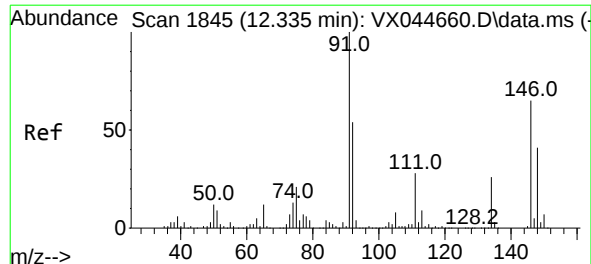
Tgt Ion:117 Resp: 158825

Ion Ratio Lower Upper

117 100

201 65.1 33.0 98.9





#87

1,2-Dichlorobenzene

Concen: 101.166 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 361432

Ion Ratio Lower Upper

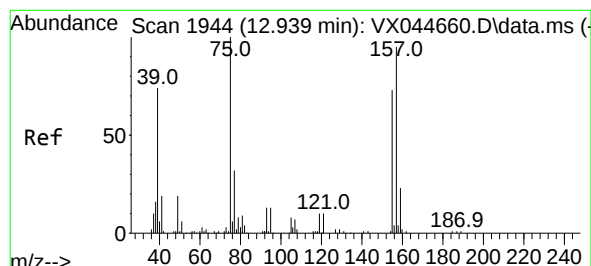
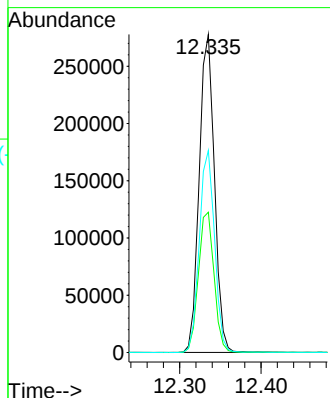
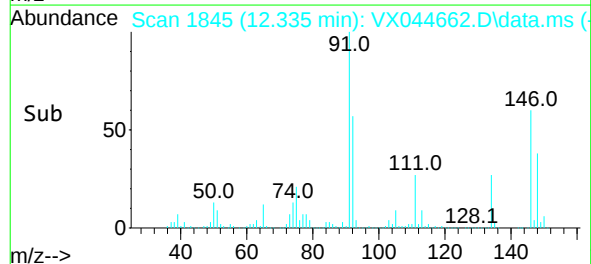
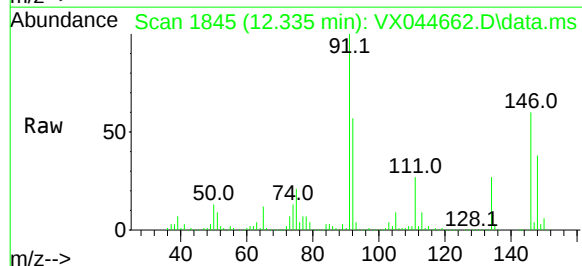
146 100

111 45.3 22.2 66.6

148 63.6 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#88

1,2-Dibromo-3-Chloropropane

Concen: 100.538 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

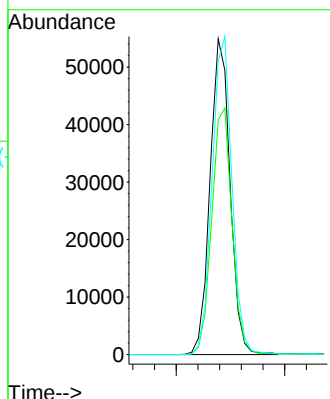
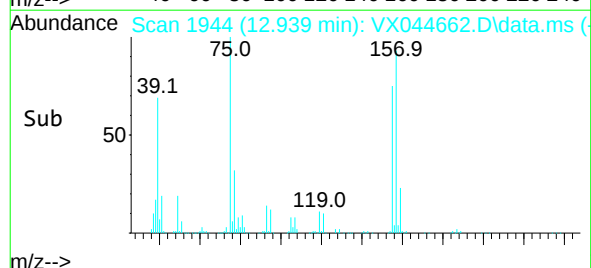
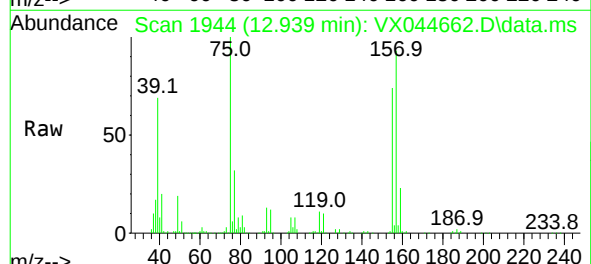
Tgt Ion: 75 Resp: 70386

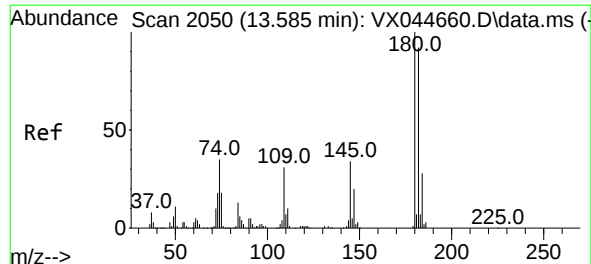
Ion Ratio Lower Upper

75 100

155 78.9 62.3 93.5

157 100.3 79.9 119.9





#89

1,2,4-Trichlorobenzene

Concen: 109.487 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:180 Resp: 243086

Ion Ratio Lower Upper

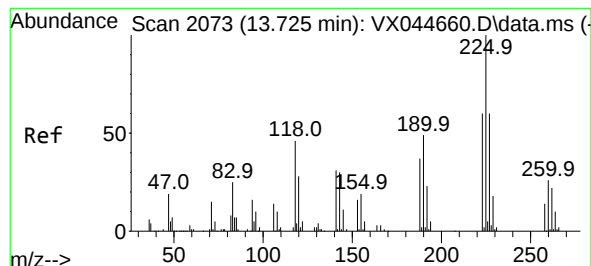
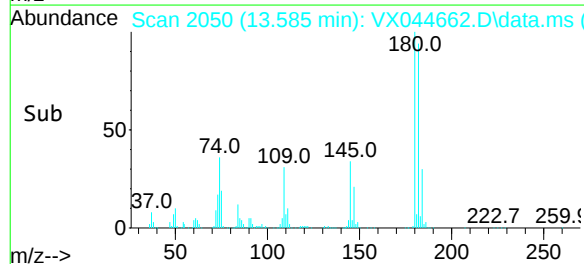
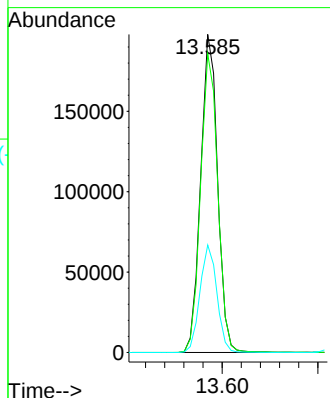
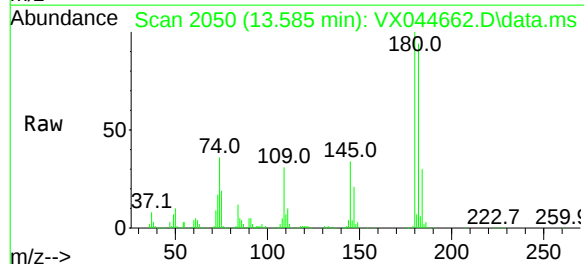
180 100

182 95.1 75.6 113.4

145 33.8 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#90

Hexachlorobutadiene

Concen: 104.321 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

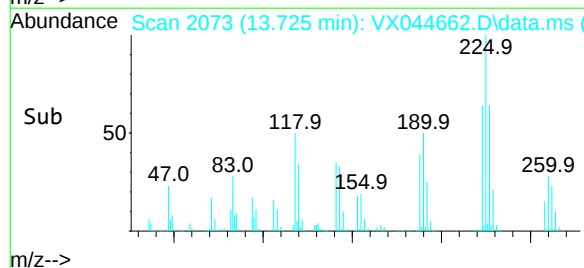
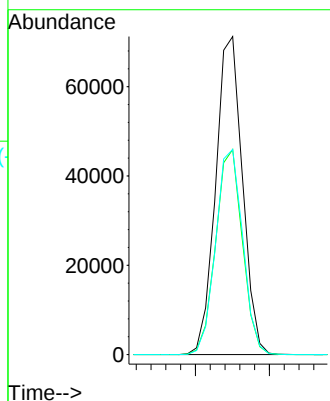
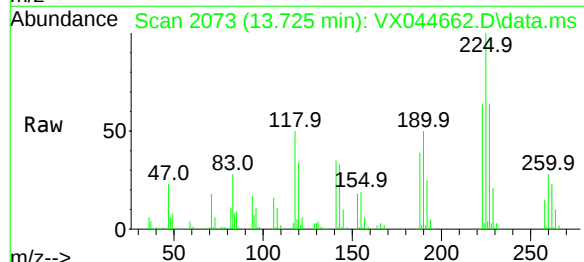
Tgt Ion:225 Resp: 89590

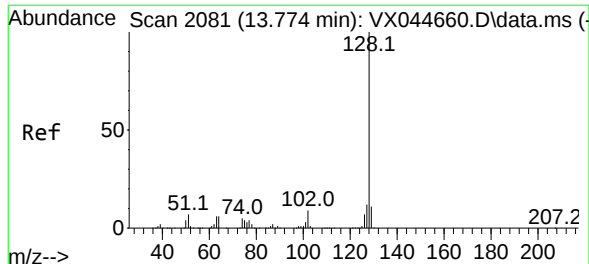
Ion Ratio Lower Upper

225 100

223 64.3 0.0 123.0

227 65.1 0.0 124.2





#91

Naphthalene

Concen: 105.089 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Instrument :

MSVOA_X

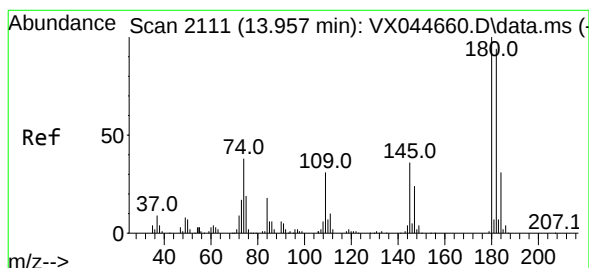
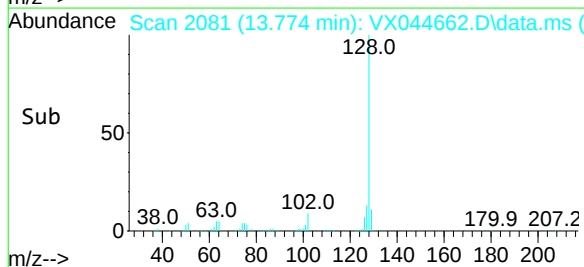
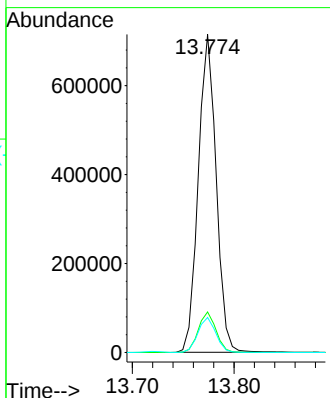
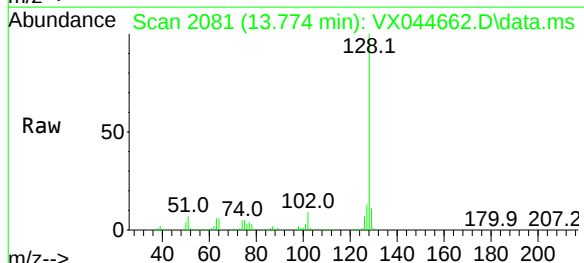
ClientSampleId :

VSTDIC100

Tgt Ion:	128	Resp:	872913
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	11.1	9.0	13.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#92

1,2,3-Trichlorobenzene

Concen: 106.185 ug/l

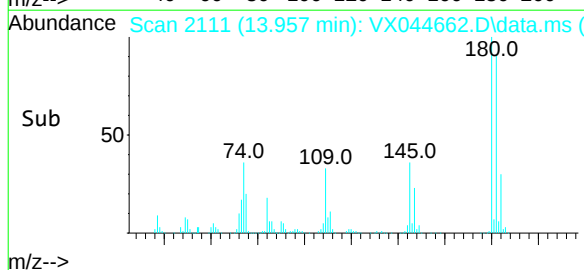
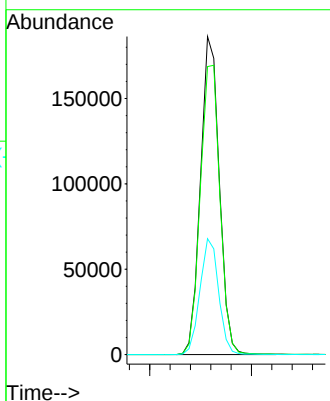
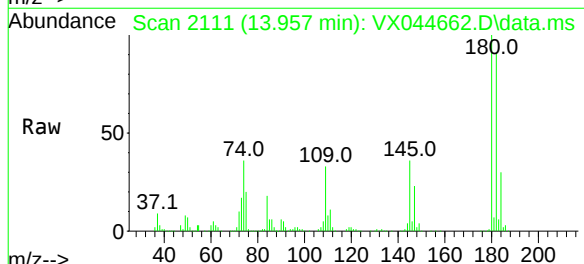
RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044662.D

Acq: 16 Jan 2025 09:49

Tgt Ion:	180	Resp:	239785
Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	187.8
145	36.1	0.0	69.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044663.D
 Acq On : 16 Jan 2025 10:12
 Operator :
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:03:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 00:59:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	30265	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	168670	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	142579	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	86477	29.598	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.667%		
60) 4-Bromofluorobenzene	11.079	95	83031	29.982	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.933%		
63) Toluene-d8	8.647	98	229453	29.588	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.633%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	395126	162.568	ug/l	98
3) Chloromethane	1.301	50	398267	140.701	ug/l	99
4) Vinyl Chloride	1.374	62	401934	145.127	ug/l	98
5) Bromomethane	1.593	94	97919	146.415	ug/l	99
6) Chloroethane	1.660	64	69505	155.413	ug/l	94
7) Trichlorofluoromethane	1.867	101	443749	146.306	ug/l	98
8) Diethyl Ether	2.136	74	171385	146.474	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	319509	147.041	ug/l	99
10) 1,1-Dichloroethene	2.306	96	322881	144.428	ug/l	93
11) Methyl Iodide	2.441	142	448651	144.827	ug/l	96
12) Methyl Acetate	2.703	43	477398	146.278	ug/l	100
13) Acrolein	2.239	56	253627	702.790	ug/l	98
14) Acrylonitrile	3.068	53	815430	685.671	ug/l	100
15) Acetone	2.386	58	221043	692.682	ug/l	91
16) Carbon Disulfide	2.502	76	918806	147.895	ug/l	100
17) Allyl chloride	2.654	41	585850	145.319	ug/l	99
18) Methylene Chloride	2.782	84	359344	143.590	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	316848	142.541	ug/l	98
20) Diisopropyl ether	3.764	45	1015552	138.787	ug/l #	87
21) 1,1-Dichloroethane	3.599	63	630418	145.234	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	396803	144.228	ug/l	98
23) tert-Butyl Alcohol	3.044	59	372252m	721.506	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	1099111	141.899	ug/l	98
25) Chloroform	5.086	83	618756	143.460	ug/l	97
26) Cyclohexane	5.458	56	512956	140.607	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	422203	143.910	ug/l	99
30) 2-Butanone	4.556	43	1096527	680.393	ug/l	100
31) 2,2-Dichloropropane	4.465	77	574023	141.392	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	551364	141.813	ug/l	98
33) Carbon Tetrachloride	5.666	117	464930	141.758	ug/l	99
34) Benzene	6.031	78	1317009	140.704	ug/l	99
35) Methacrylonitrile	4.922	41	252183	140.009	ug/l	97
36) 1,2-Dichloroethane	6.080	62	475153	141.982	ug/l	99
37) Trichloroethene	7.117	130	331784	146.814	ug/l	96
38) Methylcyclohexane	7.373	83	573341	143.834	ug/l	100
39) 1,2-Dichloropropane	7.421	63	331963	142.224	ug/l	99
40) Dibromomethane	7.574	93	248648	143.290	ug/l	99
41) Bromodichloromethane	7.818	83	504431	140.783	ug/l	99
42) Vinyl Acetate	3.721	43	4362962	681.685	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044663.D
 Acq On : 16 Jan 2025 10:12
 Operator :
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025

Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:03:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri Jan 17 00:59:31 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	450860	142.615	ug/l	# 94
44) Isopropyl Acetate	6.336	43	808776	142.404	ug/l	99
45) 1,4-Dioxane	7.671	88	138476	2560.521	ug/l	97
46) Methyl methacrylate	7.690	41	389600	140.143	ug/l	98
47) n-amyl Acetate	10.841	43	646879	135.718	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	535738	141.659	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	565857	139.536	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	299288	133.695	ug/l	99
51) Ethyl methacrylate	9.116	69	531002	136.772	ug/l	98
52) 1,3-Dichloropropane	9.305	76	526192	136.132	ug/l	99
53) Dibromochloromethane	9.519	129	360540	135.007	ug/l	97
54) 1,2-Dibromoethane	9.604	107	320334	135.590	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	1273435	676.879	ug/l	99
56) Bromoform	10.799	173	241837	136.568	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	2037971	678.112	ug/l	100
59) 2-Hexanone	9.433	43	1486312	675.525	ug/l	100
61) Tetrachloroethene	9.269	164	247777	144.876	ug/l	98
62) Toluene	8.714	91	1318975	140.491	ug/l	99
64) Chlorobenzene	10.073	112	824684	141.439	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	297569	142.074	ug/l	99
66) Ethyl Benzene	10.189	91	1447790	141.307	ug/l	99
67) m/p-Xylenes	10.299	106	1025226	272.222	ug/l	100
68) o-Xylene	10.640	106	517475	136.901	ug/l	99
69) Styrene	10.653	104	852764	137.409	ug/l	98
70) Isopropylbenzene	10.957	105	1303283	137.153	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	432603	135.197	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	369195m	137.376	ug/l	
73) Bromobenzene	11.195	156	311401	140.672	ug/l	99
74) n-propylbenzene	11.305	91	1515701	140.333	ug/l	100
75) 2-Chlorotoluene	11.360	91	939369	138.367	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	1038367	134.557	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	178978	140.770	ug/l	98
78) 4-Chlorotoluene	11.451	91	1032107	138.039	ug/l	100
79) tert-butylbenzene	11.713	119	1066193	134.489	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	1063526	136.597	ug/l	99
81) sec-Butylbenzene	11.890	105	1304251	137.776	ug/l	100
82) p-Isopropyltoluene	12.006	119	1083858	139.117	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	562506	143.062	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	552693	143.387	ug/l	100
85) n-Butylbenzene	12.329	91	983220	145.585	ug/l	99
86) Hexachloroethane	12.536	117	238874	139.374	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	537434	136.879	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	106892	138.929	ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	374862	153.630	ug/l	100
90) Hexachlorobutadiene	13.725	225	138461	146.704	ug/l	98
91) Naphthalene	13.774	128	1323609	144.994	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	371865	149.840	ug/l	99

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

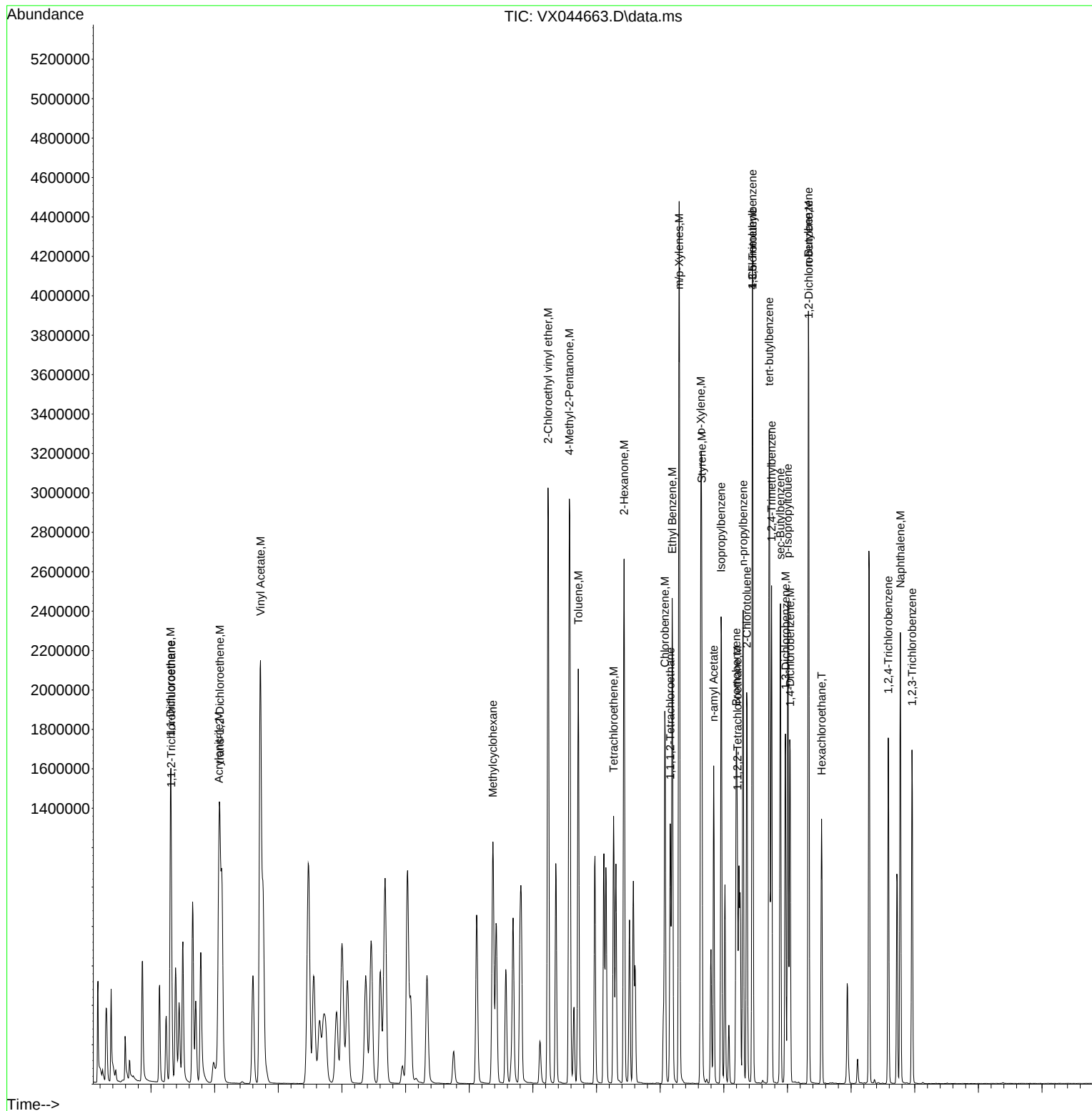
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Data File : VX044663.D
Acq On : 16 Jan 2025 10:12
Operator :
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

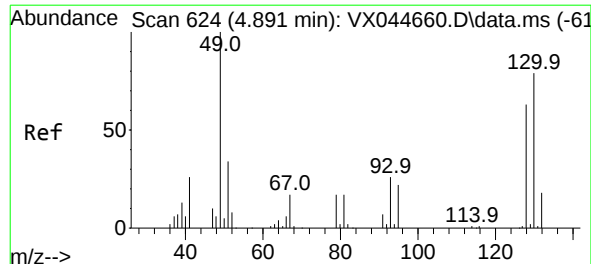
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:03:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 00:59:31 2025
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.891 min Scan# 62

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:128 Resp: 30265

Ion Ratio Lower Upper

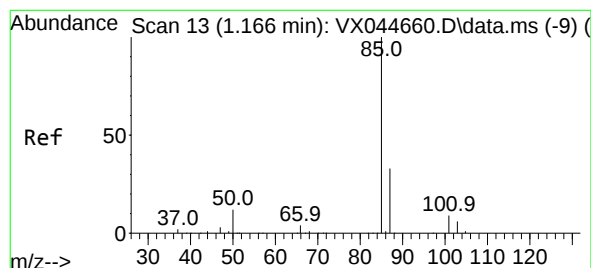
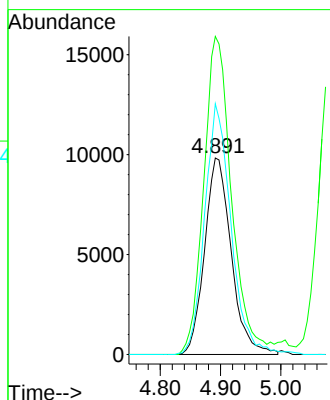
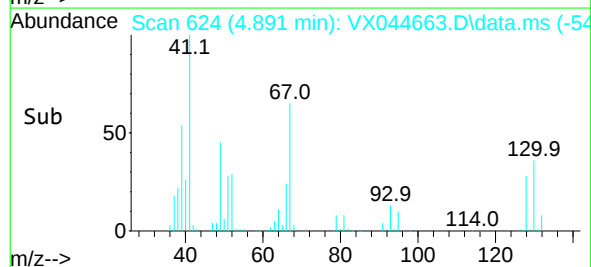
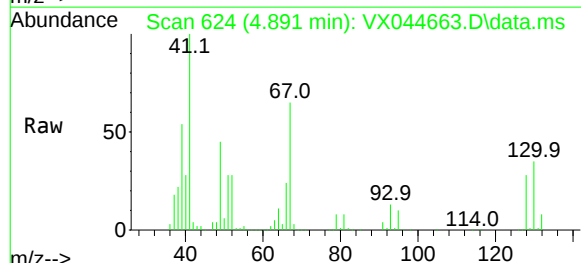
128 100

49 167.5 0.0 411.5

130 125.9 0.0 324.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#2

Dichlorodifluoromethane

Concen: 162.568 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX044663.D

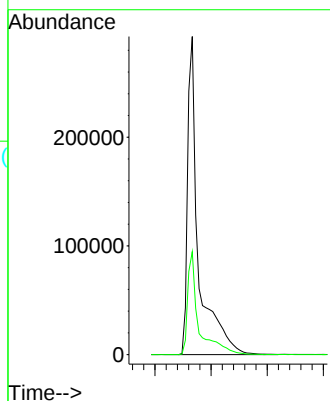
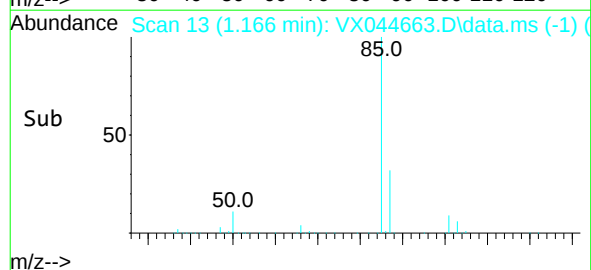
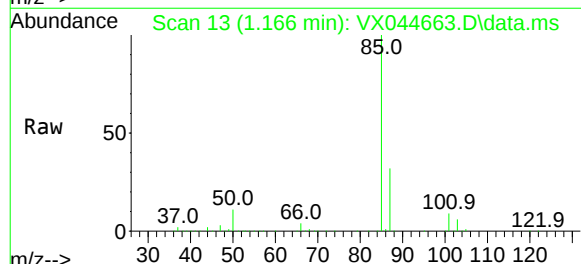
Acq: 16 Jan 2025 10:12

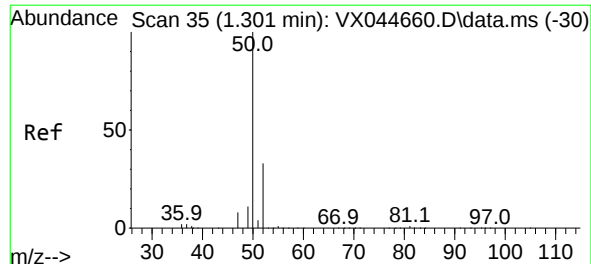
Tgt Ion: 85 Resp: 395126

Ion Ratio Lower Upper

85 100

87 32.3 16.6 49.8





#3

Chloromethane

Concen: 140.701 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 50 Resp: 398267

Ion Ratio Lower Upper

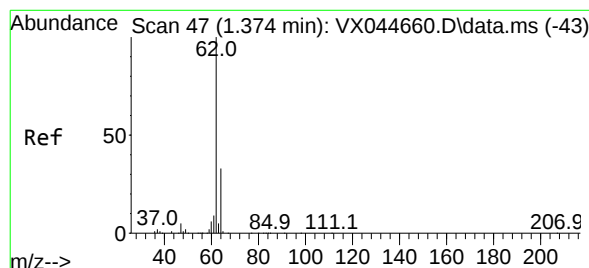
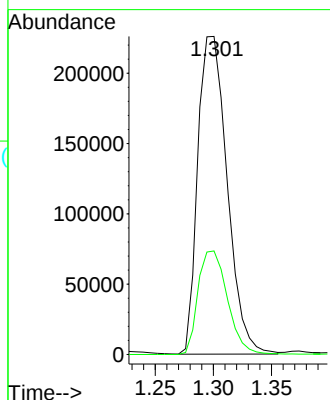
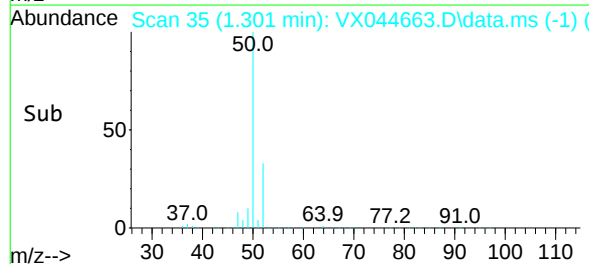
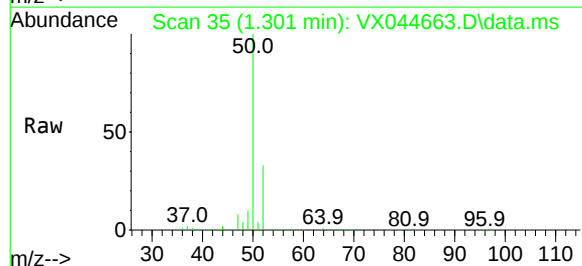
50 100

52 32.6 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#4

Vinyl Chloride

Concen: 145.127 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX044663.D

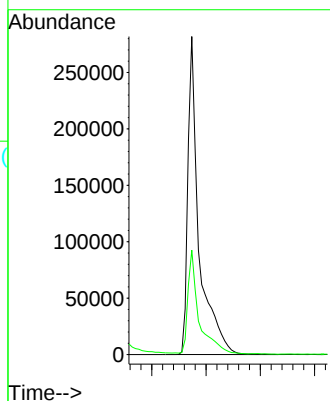
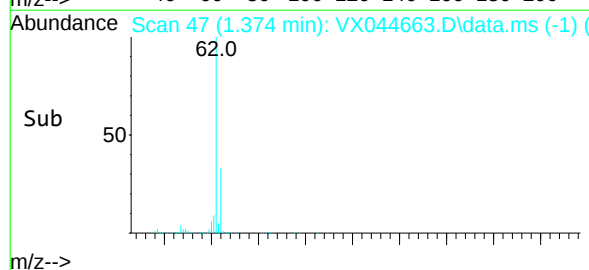
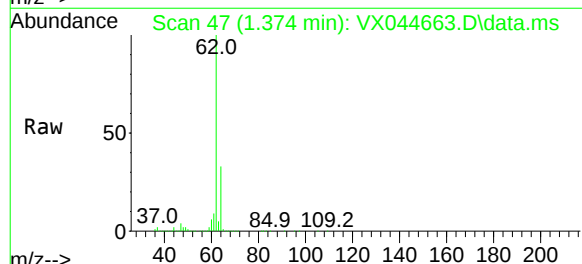
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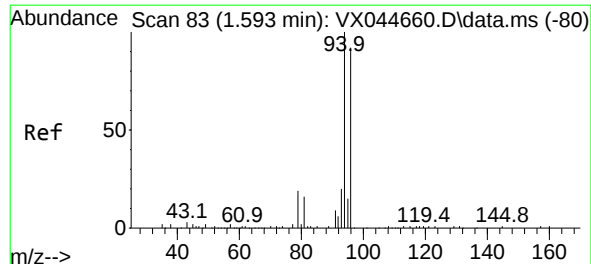
Tgt Ion: 62 Resp: 401934

Ion Ratio Lower Upper

62 100

64 32.7 27.3 40.9





#5

Bromomethane

Concen: 146.415 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 94 Resp: 97919

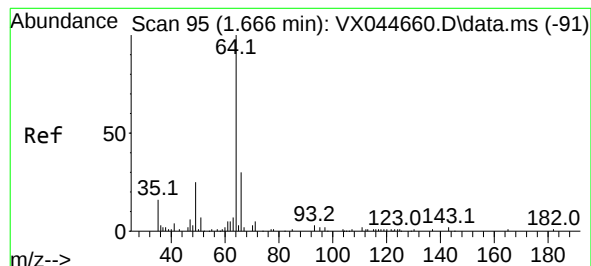
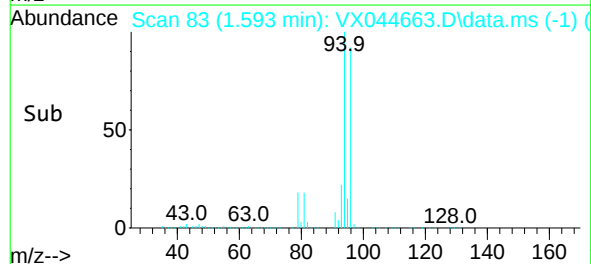
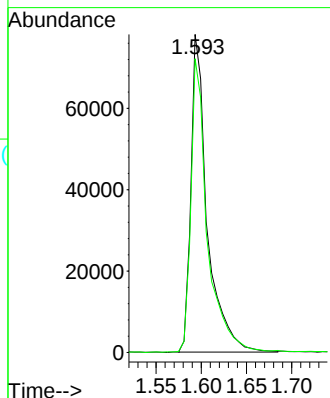
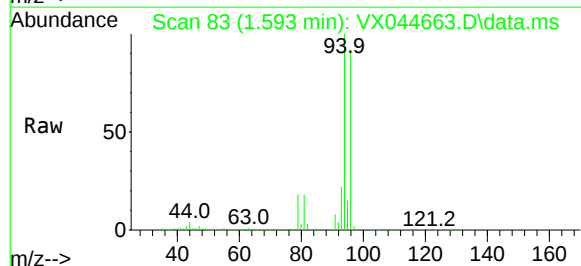
Ion Ratio Lower Upper

94 100

96 92.2 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#6

Chloroethane

Concen: 155.413 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.006 min

Lab File: VX044663.D

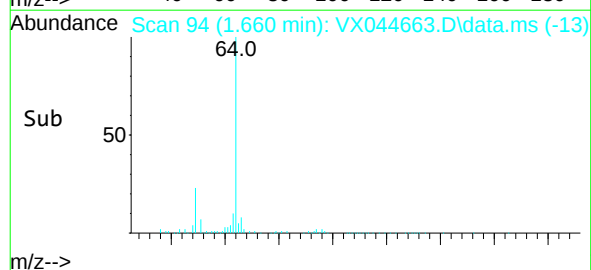
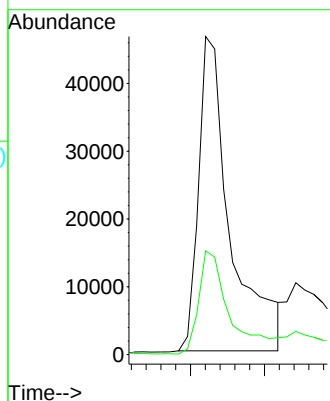
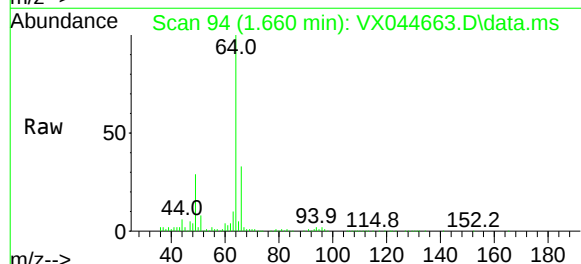
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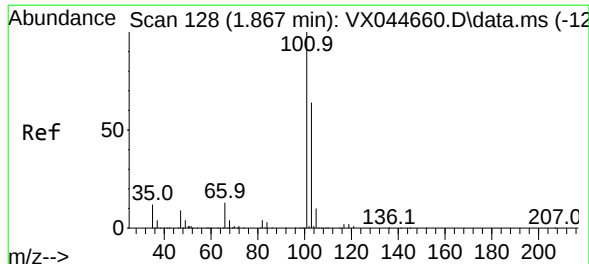
Tgt Ion: 64 Resp: 69505

Ion Ratio Lower Upper

64 100

66 32.8 23.8 35.6





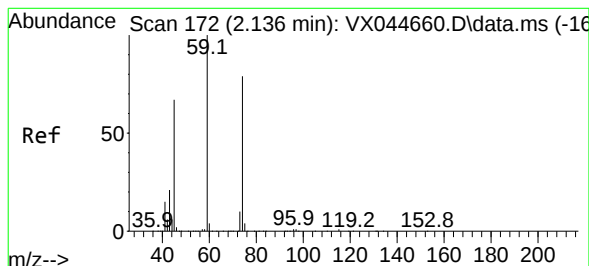
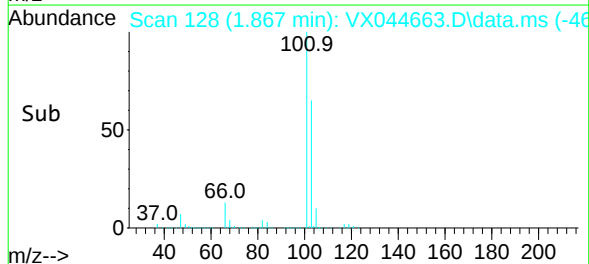
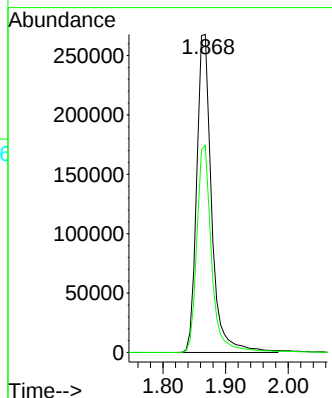
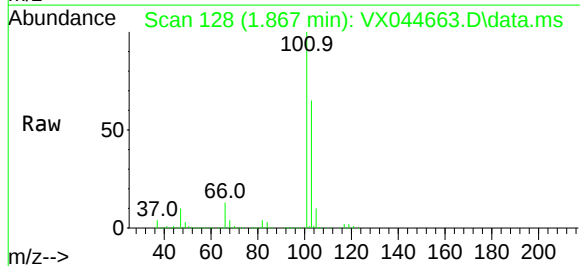
#7
Trichlorofluoromethane
Concen: 146.306 ug/l
RT: 1.867 min Scan# 128
Delta R.T. 0.000 min
Lab File: VX044663.D
Acq: 16 Jan 2025 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 101 Resp: 443749
Ion Ratio Lower Upper
101 100
103 65.2 51.1 76.7

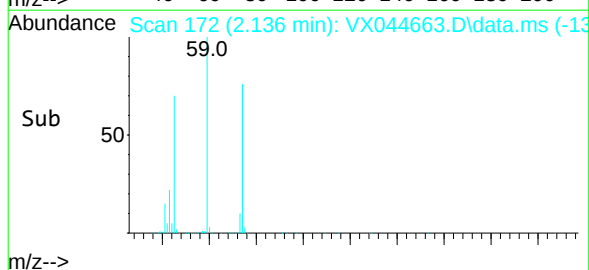
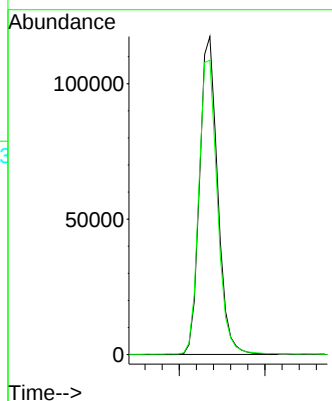
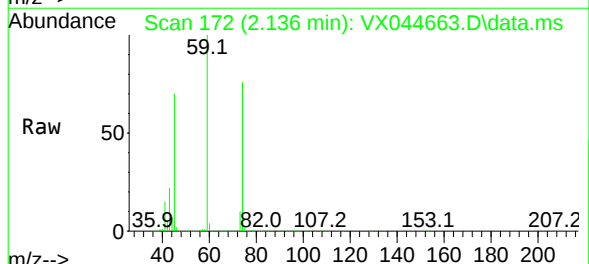
Manual Integrations
APPROVED

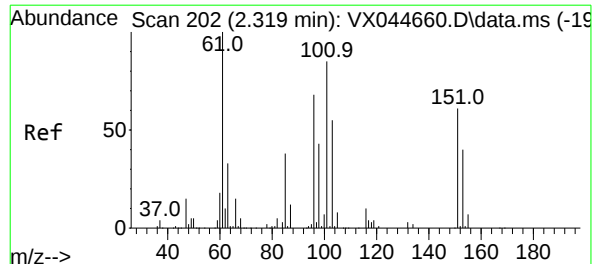
Reviewed By : Mahesh Dadoda 01/17/2025
Supervised By : Semsettin Yesilyurt 01/17/2025



#8
Diethyl Ether
Concen: 146.474 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX044663.D
Acq: 16 Jan 2025 10:12

Tgt Ion: 74 Resp: 171385
Ion Ratio Lower Upper
74 100
45 94.8 18.8 168.8





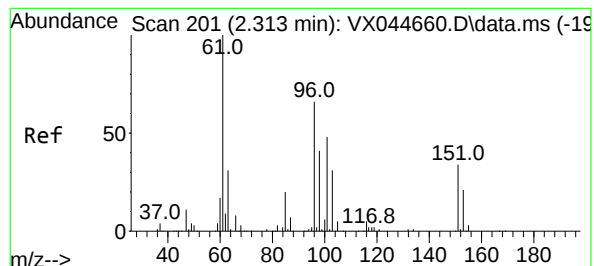
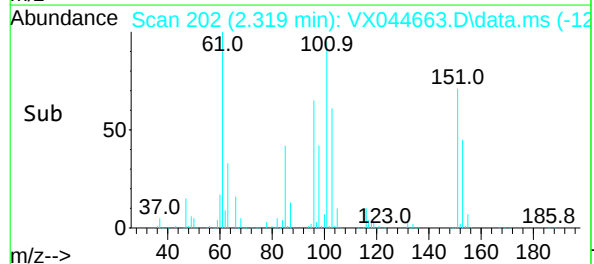
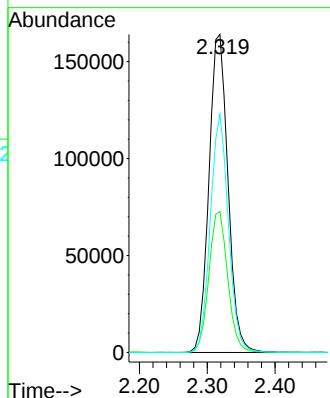
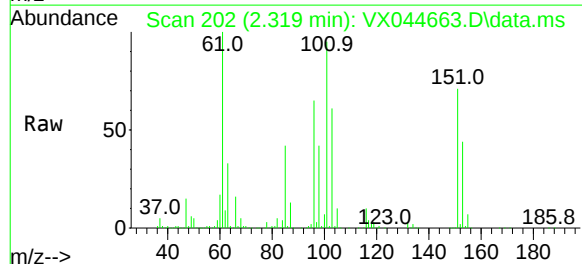
#9
1,1,2-Trichlorotrifluoroethane
Concen: 147.041 ug/l
RT: 2.319 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX044663.D
Acq: 16 Jan 2025 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 319509
Ion Ratio Lower Upper
101 100
85 44.0 0.0 88.0
151 71.6 0.0 147.0

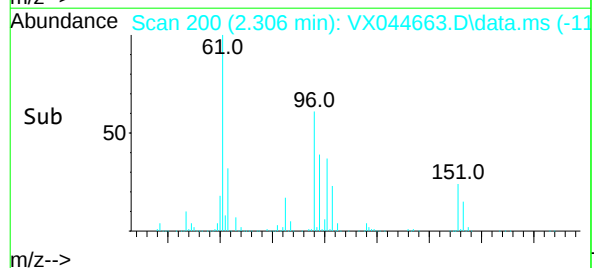
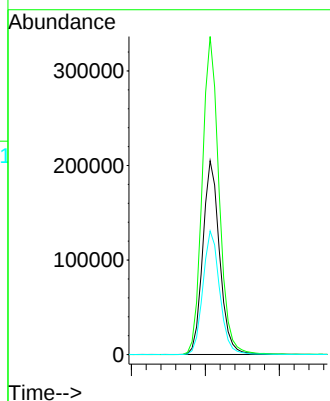
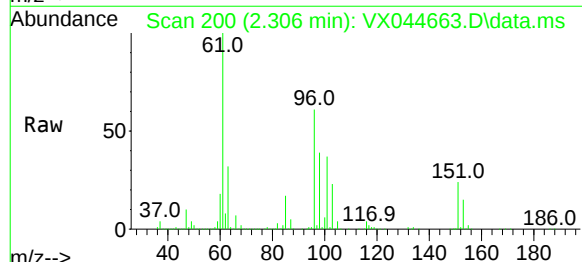
Manual Integrations
APPROVED

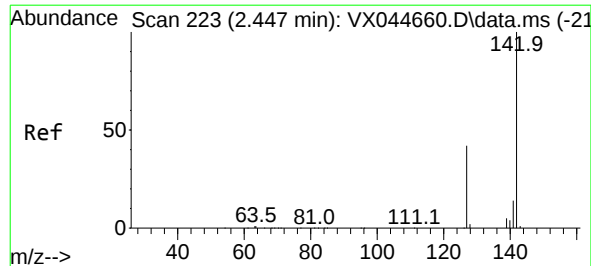
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#10
1,1-Dichloroethene
Concen: 144.428 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044663.D
Acq: 16 Jan 2025 10:12

Tgt Ion: 96 Resp: 322881
Ion Ratio Lower Upper
96 100
61 164.2 121.6 182.4
98 63.8 50.3 75.5





#11

Methyl Iodide

Concen: 144.827 ug/l

RT: 2.441 min Scan# 22

Delta R.T. -0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:142 Resp: 448651

Ion Ratio Lower Upper

142 100

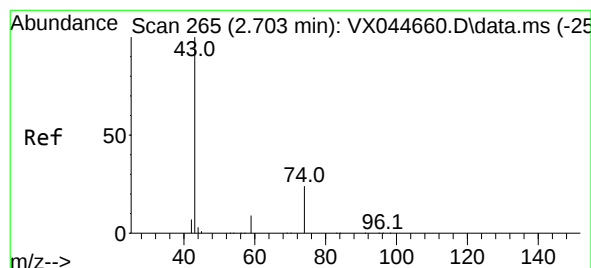
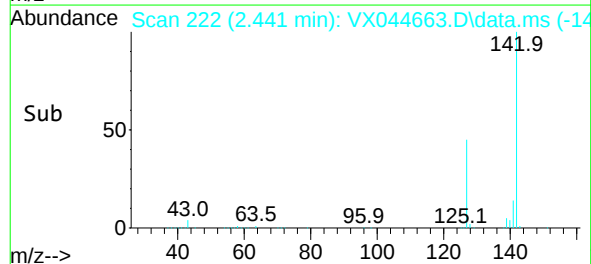
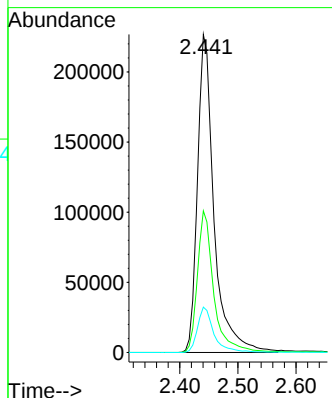
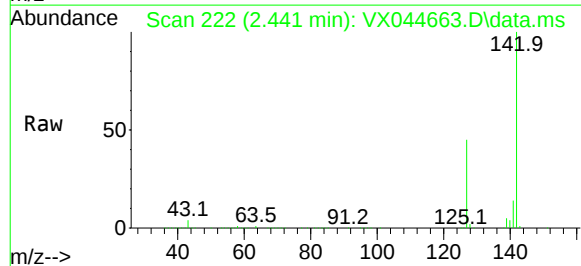
127 44.5 20.8 62.4

141 14.2 7.0 20.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#12

Methyl Acetate

Concen: 146.278 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044663.D

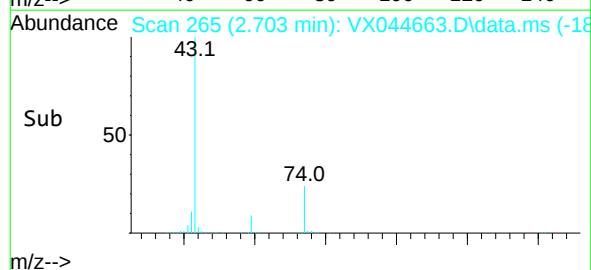
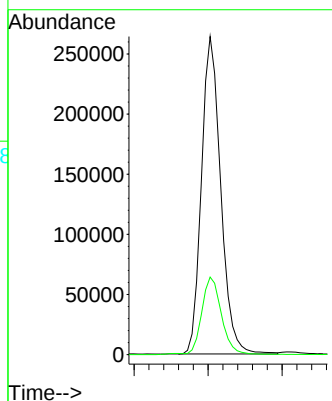
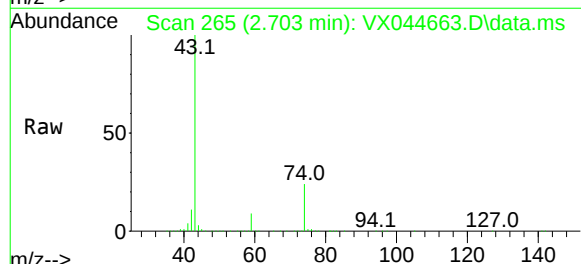
Acq: 16 Jan 2025 10:12

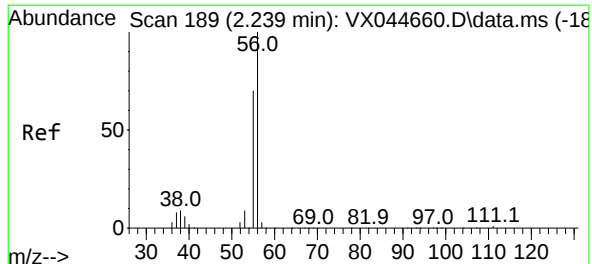
Tgt Ion: 43 Resp: 477398

Ion Ratio Lower Upper

43 100

74 24.2 19.4 29.2





#13

Acrolein

Concen: 702.790 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 253627

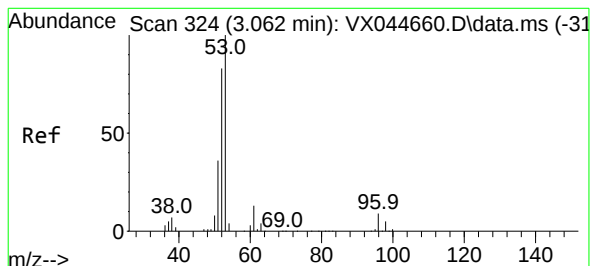
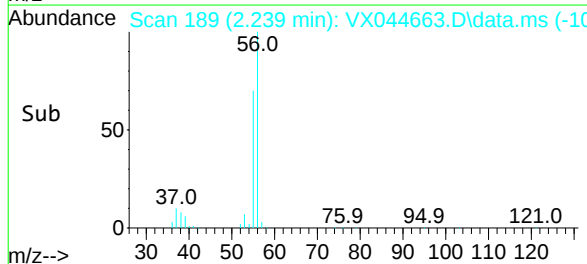
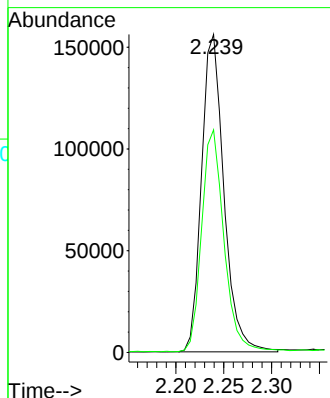
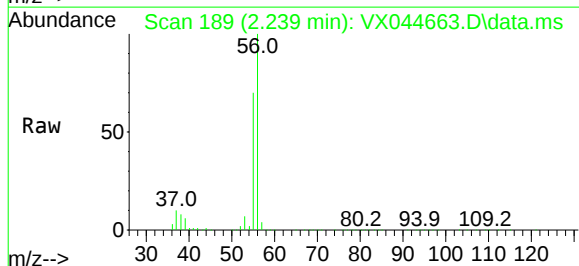
Ion Ratio Lower Upper

56 100

55 69.8 57.5 86.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#14

Acrylonitrile

Concen: 685.671 ug/l

RT: 3.068 min Scan# 325

Delta R.T. 0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

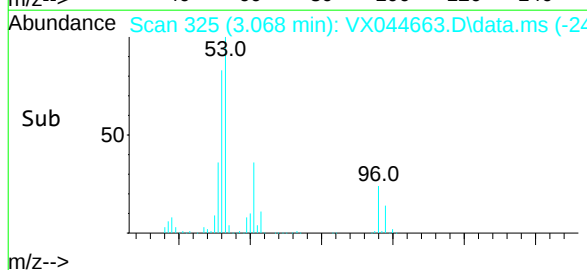
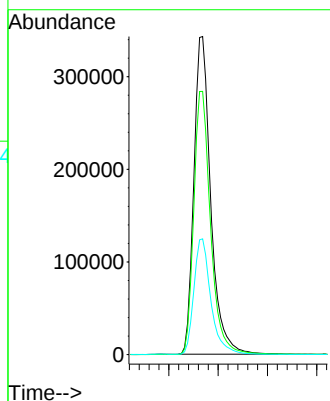
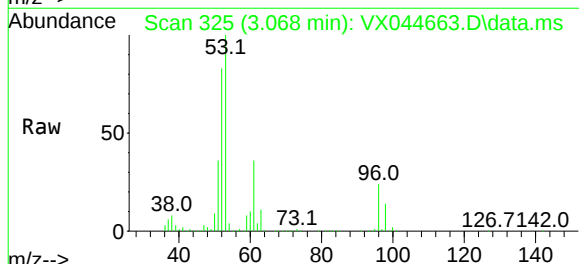
Tgt Ion: 53 Resp: 815430

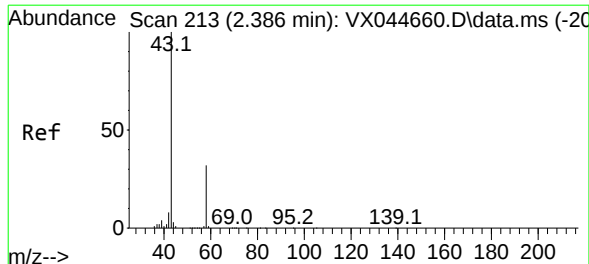
Ion Ratio Lower Upper

53 100

52 82.3 41.4 124.2

51 36.4 18.1 54.4





#15

Acetone

Concen: 692.682 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 58 Resp: 221043

Ion Ratio Lower Upper

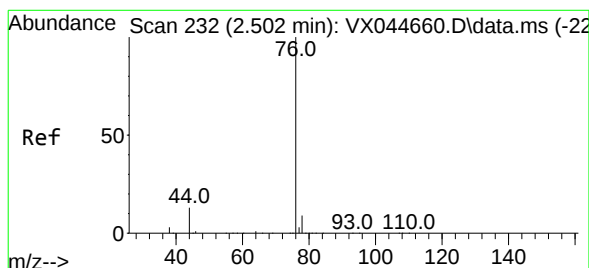
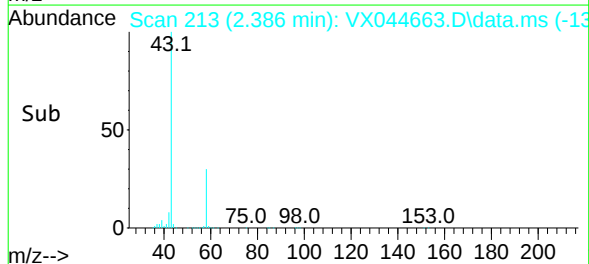
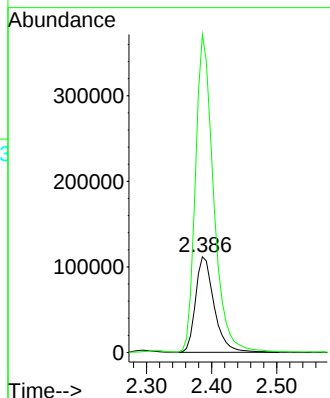
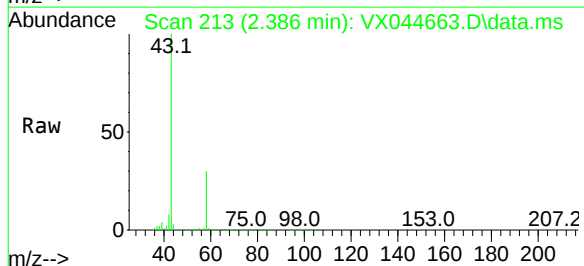
58 100

43 332.7 251.0 376.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#16

Carbon Disulfide

Concen: 147.895 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX044663.D

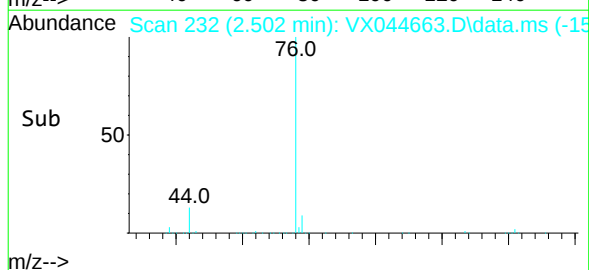
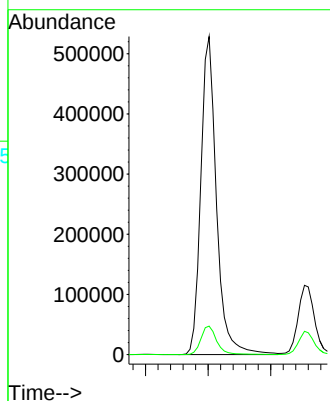
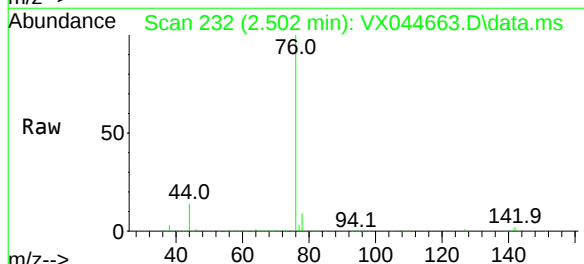
Acq: 16 Jan 2025 10:12

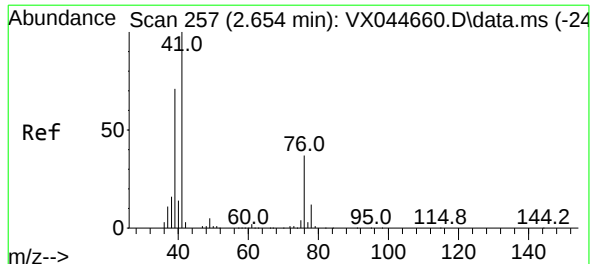
Tgt Ion: 76 Resp: 918806

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





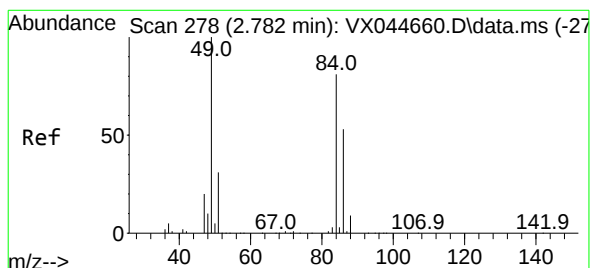
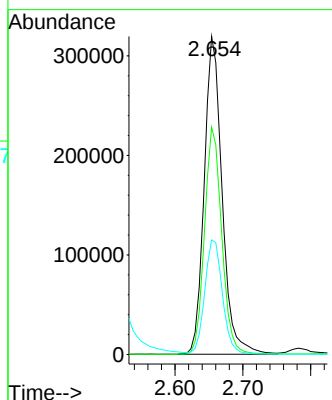
#17
Allyl chloride
Concen: 145.319 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX044663.D
Acq: 16 Jan 2025 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:	41	Resp:	585850
Ion	Ratio	Lower	Upper
41	100		
39	71.5	35.6	106.8
76	36.0	18.9	56.5

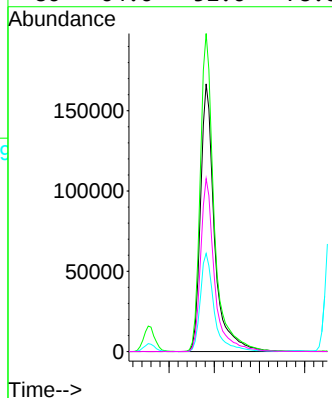
Manual Integrations
APPROVED

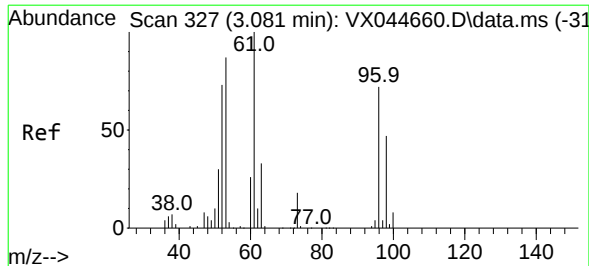
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#18
Methylene Chloride
Concen: 143.590 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044663.D
Acq: 16 Jan 2025 10:12

Tgt Ion:	84	Resp:	359344
Ion	Ratio	Lower	Upper
84	100		
49	118.8	98.3	147.5
51	36.7	30.6	46.0
86	64.6	52.6	78.8





#19

trans-1,2-Dichloroethene

Concen: 142.541 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.000 min

Lab File: VX044663.D

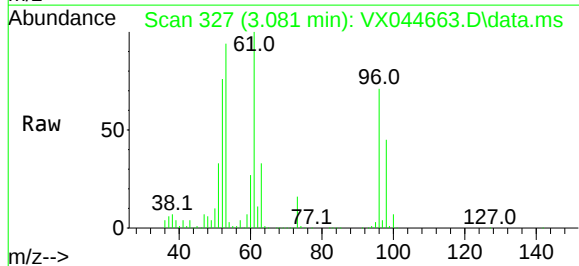
Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150



Tgt Ion: 96 Resp: 316848

Ion Ratio Lower Upper

96 100

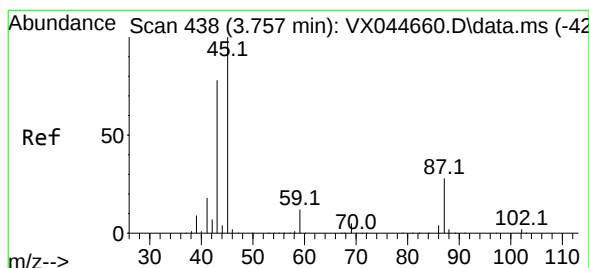
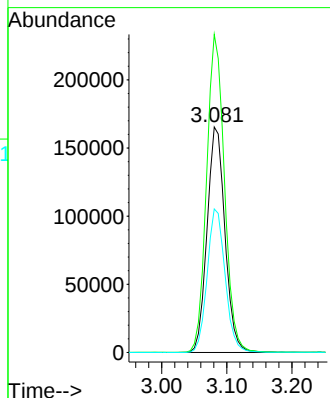
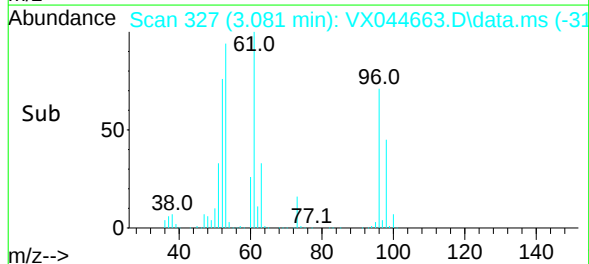
61 141.0 111.5 167.3

98 63.7 52.6 79.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#20

Diisopropyl ether

Concen: 138.787 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Tgt Ion: 45 Resp: 1015552

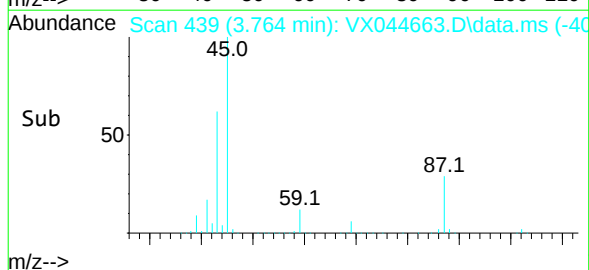
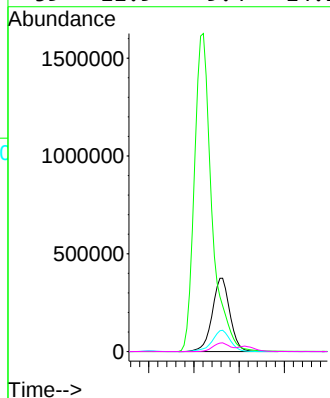
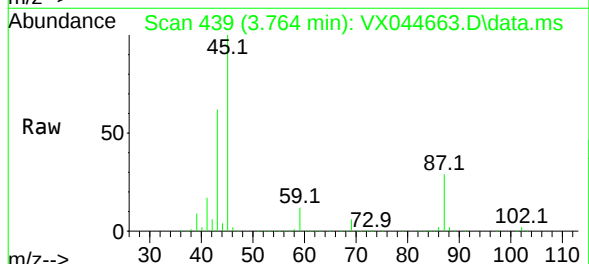
Ion Ratio Lower Upper

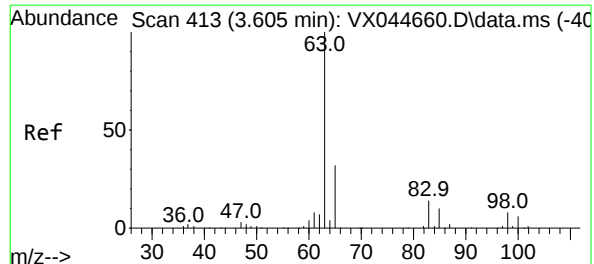
45 100

43 62.2 62.6 94.0#

87 29.0 22.7 34.1

59 11.9 9.4 14.2





#21

1,1-Dichloroethane

Concen: 145.234 ug/l

RT: 3.599 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

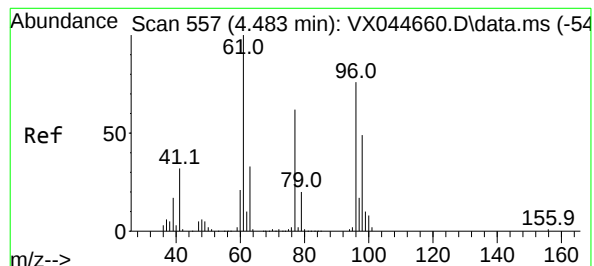
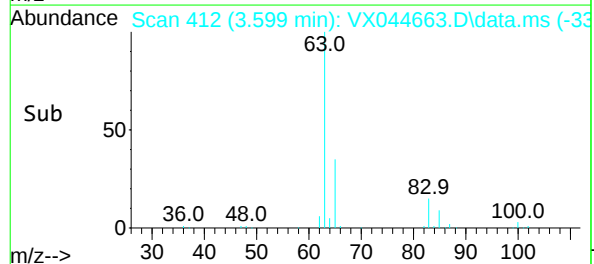
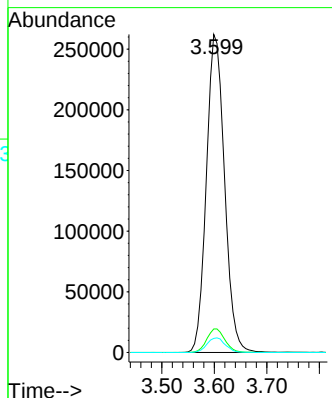
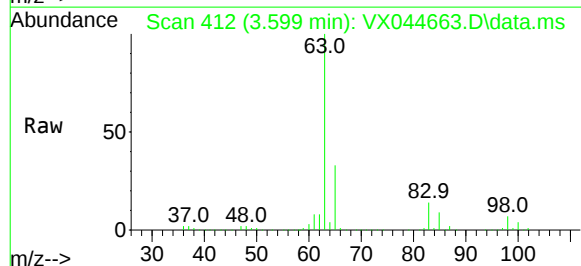
ClientSampleId :

VSTDICC150

Tgt Ion:	63	Resp:	630418
Ion	Ratio	Lower	Upper
63	100		
98	7.4	4.0	11.9
100	4.4	2.8	8.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#22

cis-1,2-Dichloroethene

Concen: 144.228 ug/l

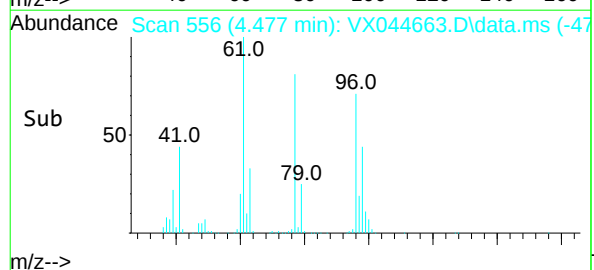
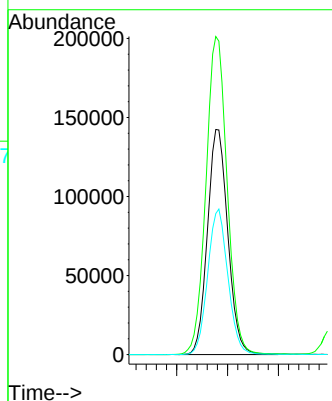
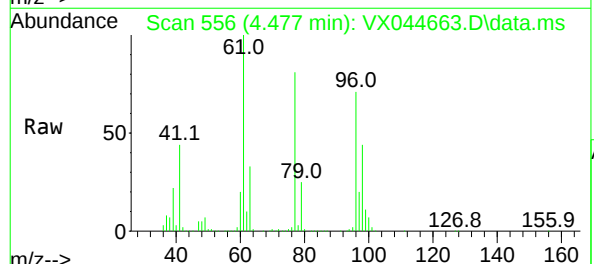
RT: 4.477 min Scan# 556

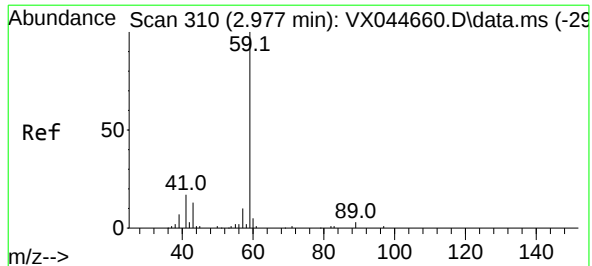
Delta R.T. -0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Tgt Ion:	96	Resp:	396803
Ion	Ratio	Lower	Upper
96	100		
61	146.8	115.2	172.8
98	64.0	51.8	77.6





#23

tert-Butyl Alcohol

Concen: 721.506 ug/l m

RT: 3.044 min Scan# 321

Delta R.T. 0.067 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 59 Resp: 372252

Ion Ratio Lower Upper

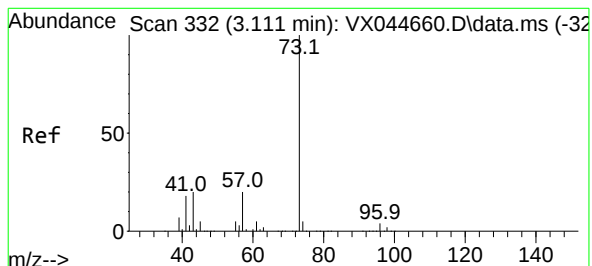
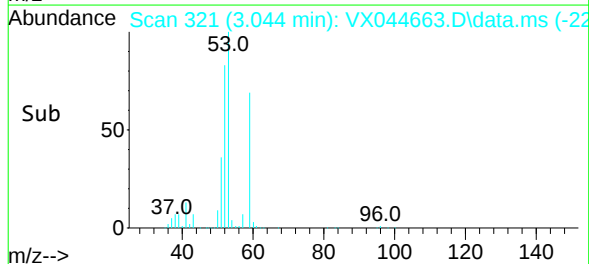
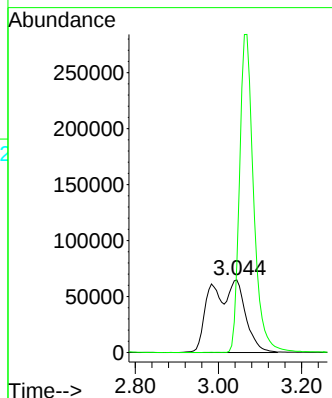
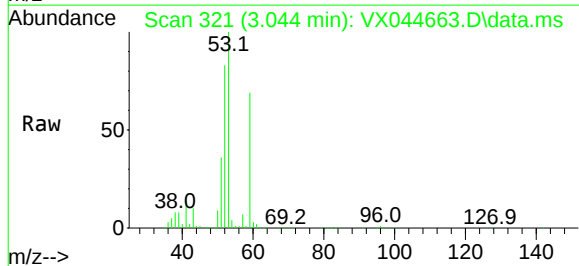
59 100

52 0.0 0.1 0.1#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#24

Methyl tert-Butyl Ether

Concen: 141.899 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX044663.D

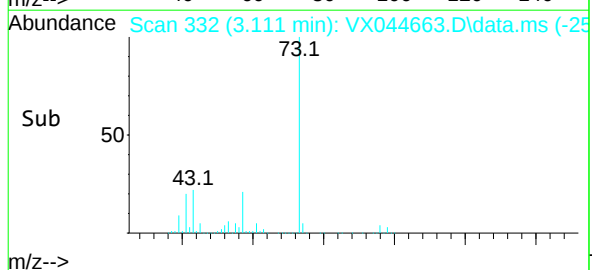
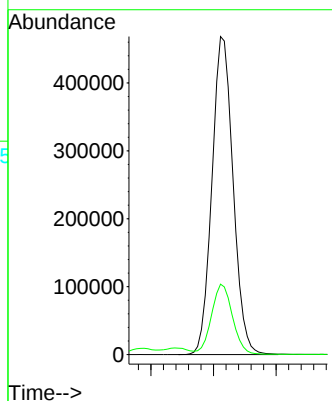
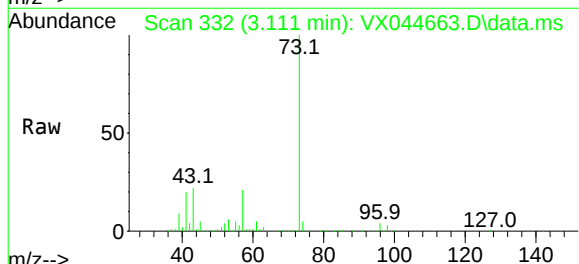
Acq: 16 Jan 2025 10:12

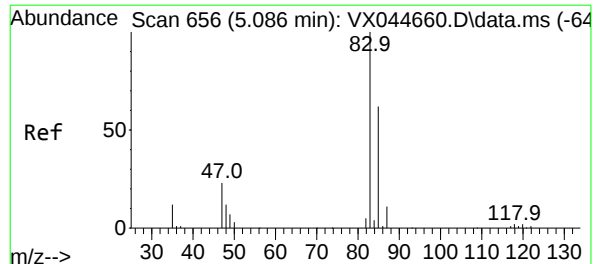
Tgt Ion: 73 Resp: 1099111

Ion Ratio Lower Upper

73 100

43 21.9 16.9 25.3





#25

Chloroform

Concen: 143.460 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 618756

Ion Ratio Lower Upper

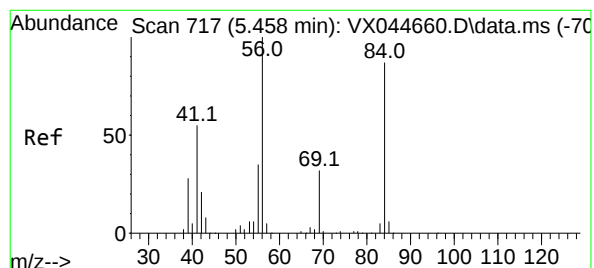
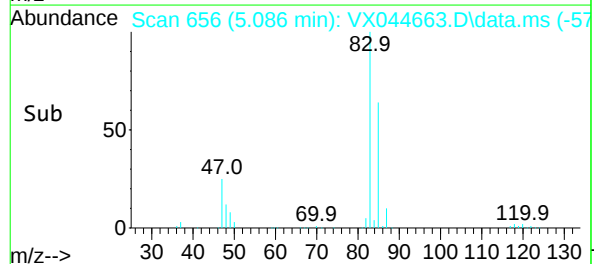
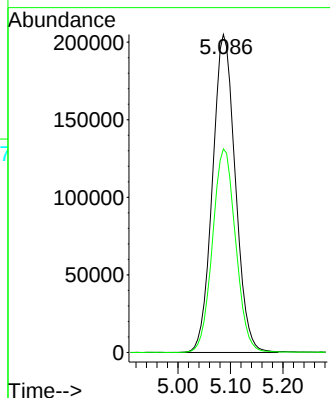
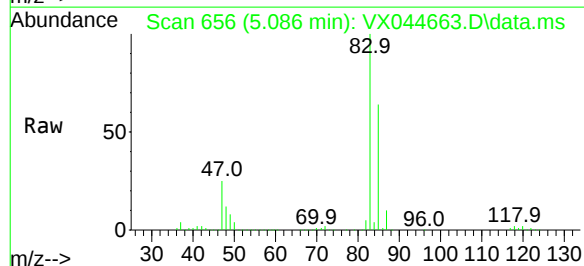
83 100

85 64.0 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#26

Cyclohexane

Concen: 140.607 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

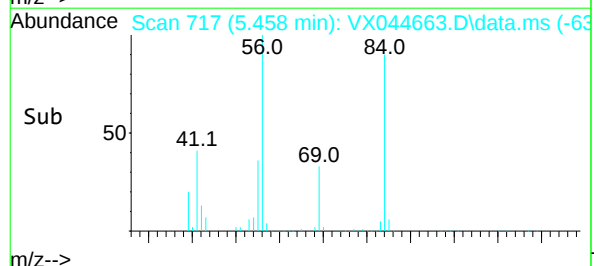
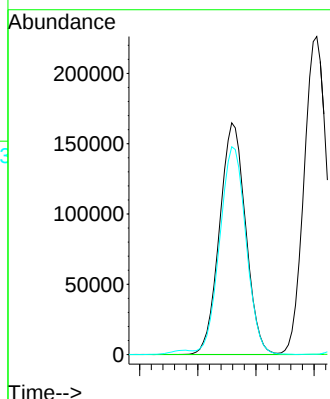
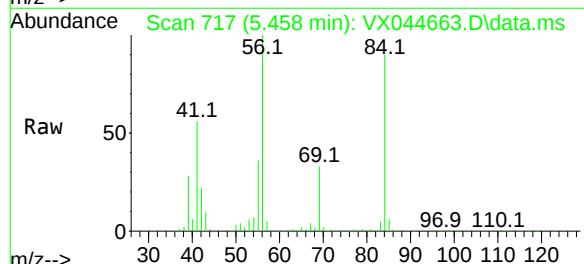
Tgt Ion: 56 Resp: 512956

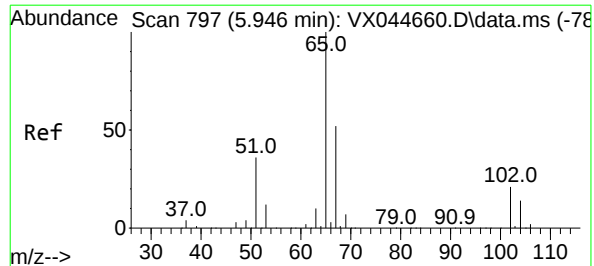
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 91.0 72.2 108.4





#27

1,2-Dichloroethane-d4

Concen: 29.598 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 86477

Ion Ratio Lower Upper

65 100

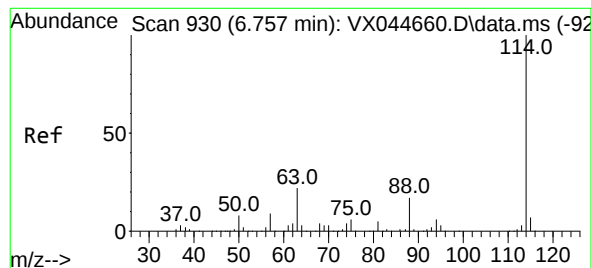
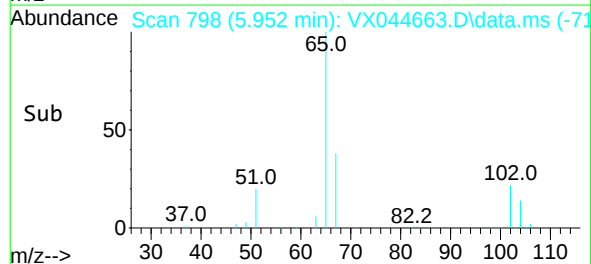
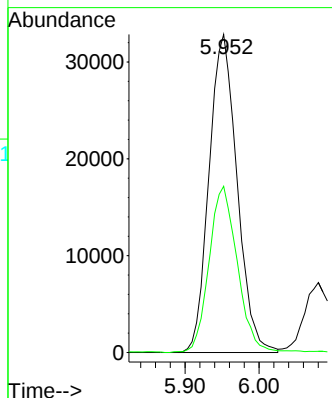
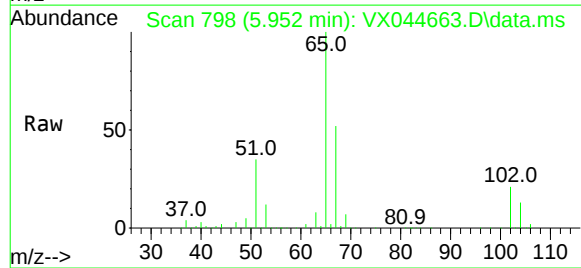
67 51.5 41.4 62.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025

Supervised By :Semsettin Yesilyurt 01/17/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

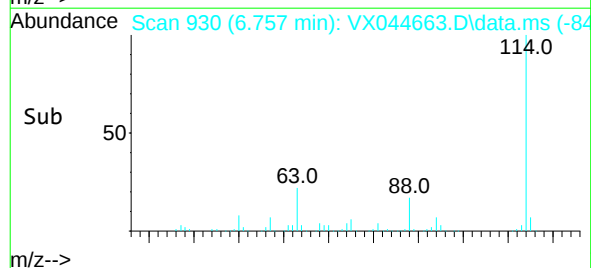
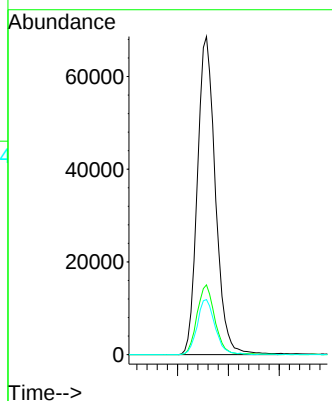
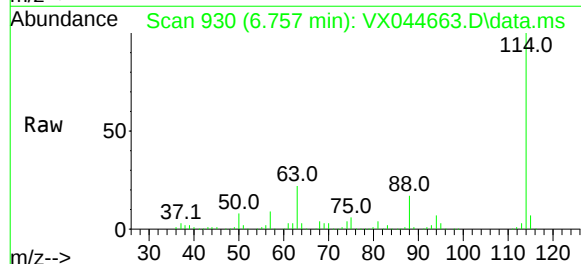
Tgt Ion:114 Resp: 168670

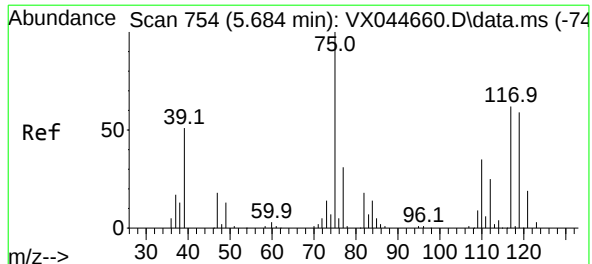
Ion Ratio Lower Upper

114 100

63 21.7 16.6 24.8

88 17.2 13.4 20.2





#29

1,1-Dichloropropene

Concen: 143.910 ug/l

RT: 5.684 min Scan# 75

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 422203

Ion Ratio Lower Upper

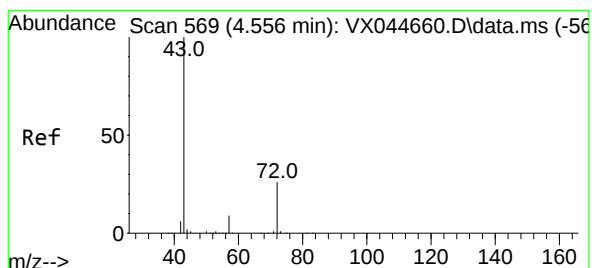
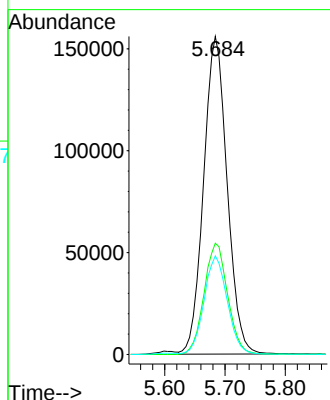
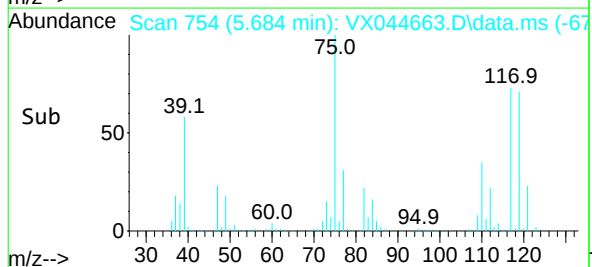
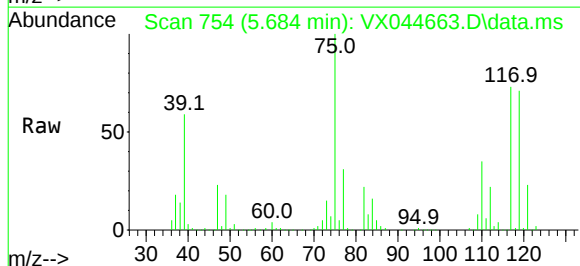
75 100

110 35.2 0.0 69.4

77 30.7 0.0 59.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#30

2-Butanone

Concen: 680.393 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

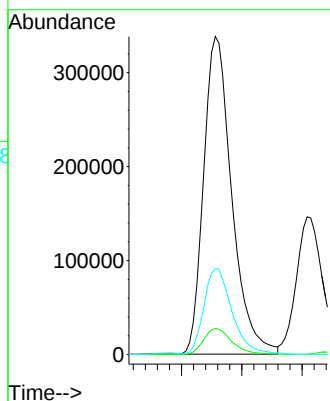
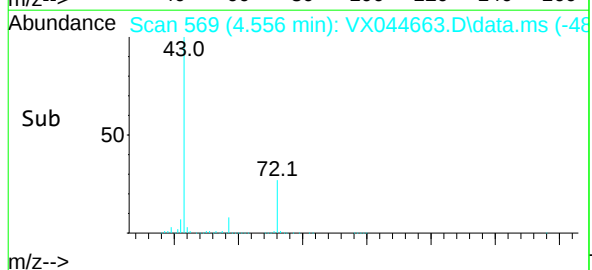
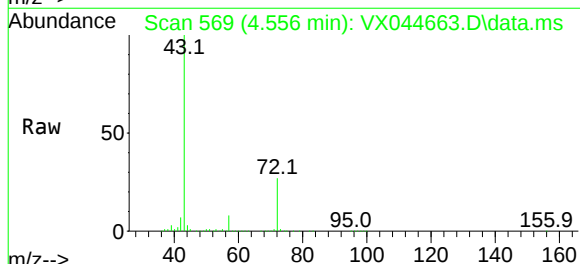
Tgt Ion: 43 Resp: 1096527

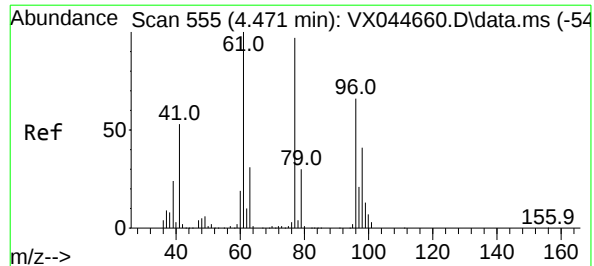
Ion Ratio Lower Upper

43 100

57 8.3 6.4 9.6

72 27.0 21.5 32.3





#31

2,2-Dichloropropane

Concen: 141.392 ug/l

RT: 4.465 min Scan# 555

Delta R.T. -0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 77 Resp: 574023

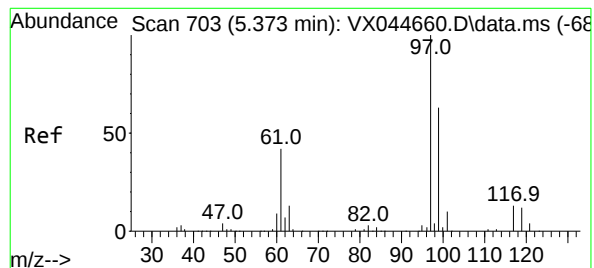
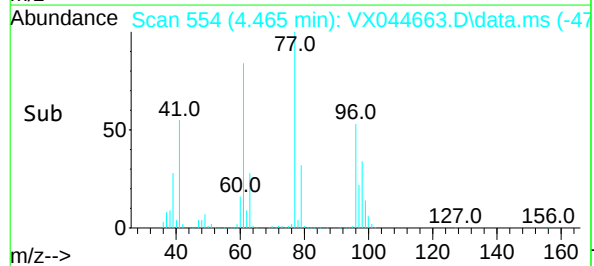
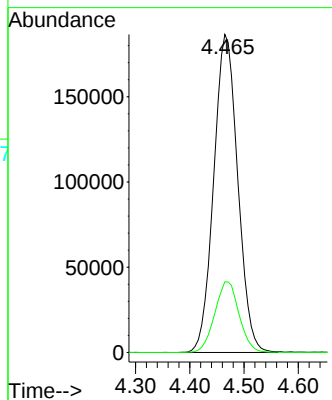
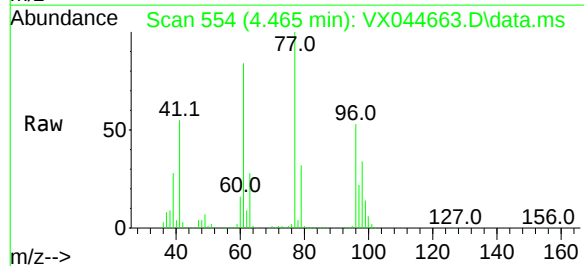
Ion Ratio Lower Upper

77 100

97 22.6 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#32

1,1,1-Trichloroethane

Concen: 141.813 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

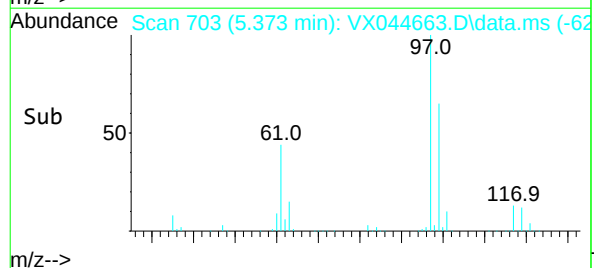
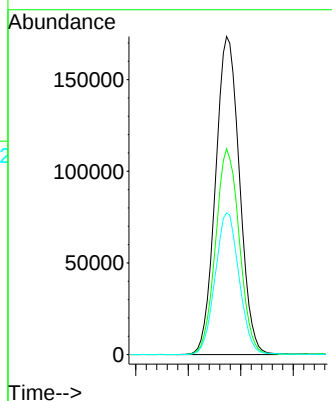
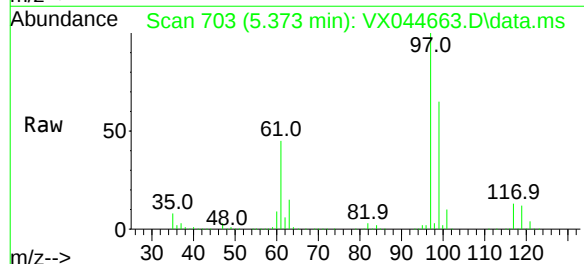
Tgt Ion: 97 Resp: 551364

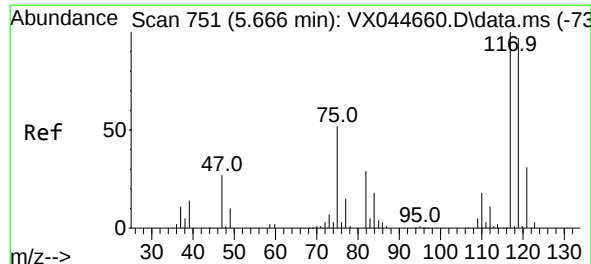
Ion Ratio Lower Upper

97 100

99 64.1 50.5 75.7

61 44.4 34.6 51.8





#33

Carbon Tetrachloride

Concen: 141.758 ug/l

RT: 5.666 min Scan# 751

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:117 Resp: 464930

Ion Ratio Lower Upper

117 100

119 97.2 77.3 115.9

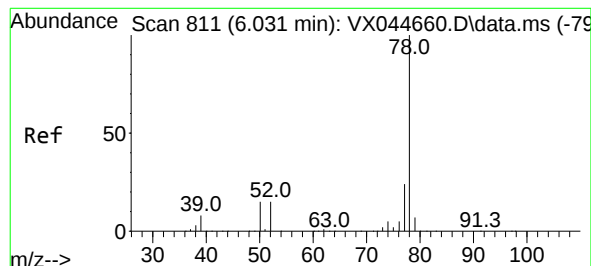
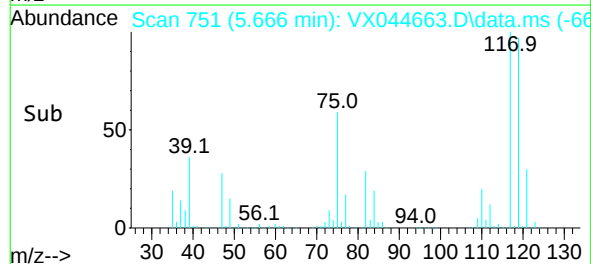
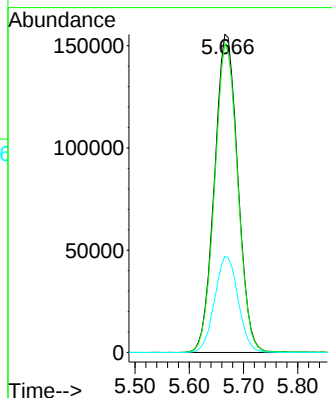
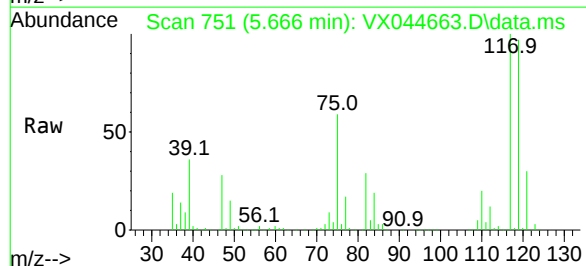
121 30.2 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025

Supervised By :Semsettin Yesilyurt 01/17/2025



#34

Benzene

Concen: 140.704 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

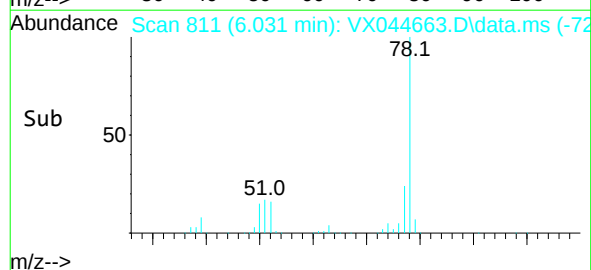
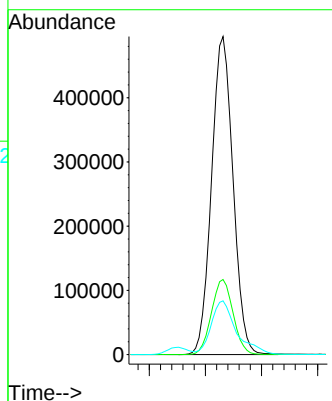
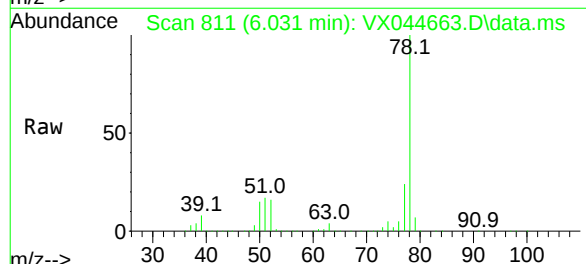
Tgt Ion: 78 Resp: 1317009

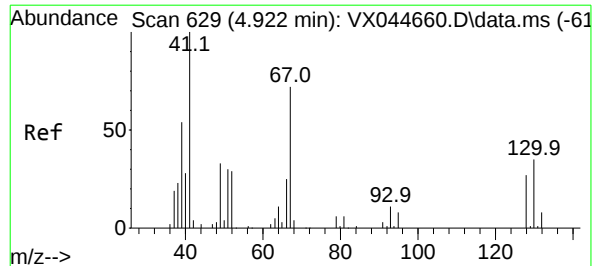
Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9

51 16.7 12.7 19.1





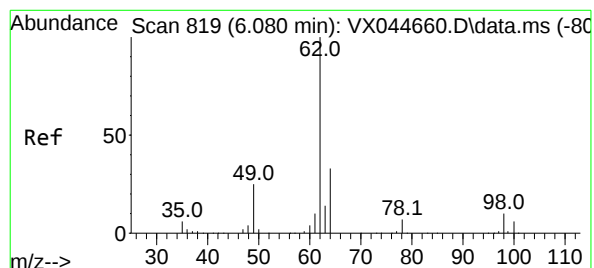
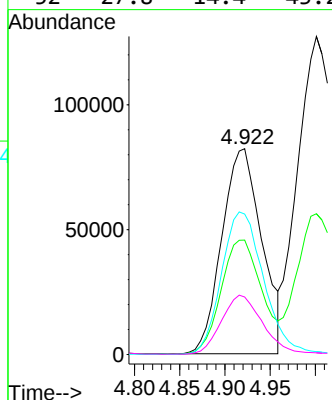
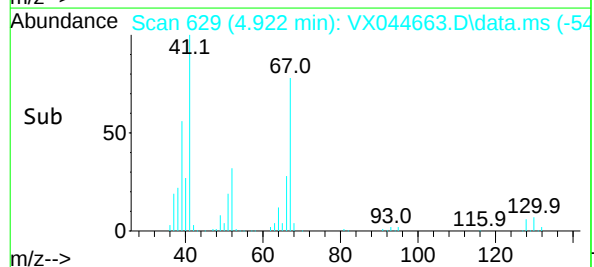
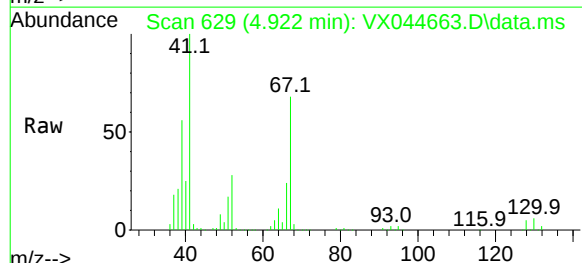
#35
Methacrylonitrile
Concen: 140.009 ug/l
RT: 4.922 min Scan# 629
Delta R.T. 0.000 min
Lab File: VX044663.D
Acq: 16 Jan 2025 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 252183
Ion Ratio Lower Upper
41 100
39 55.5 27.1 81.3
67 68.3 35.8 107.4
52 27.8 14.4 43.2

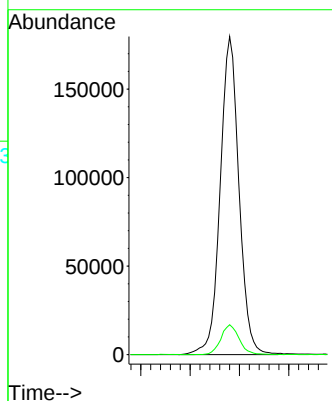
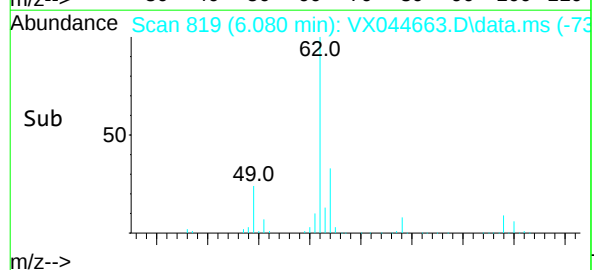
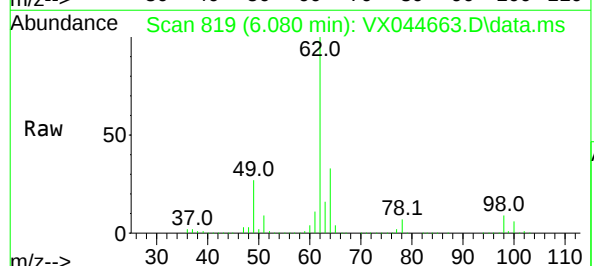
Manual Integrations
APPROVED

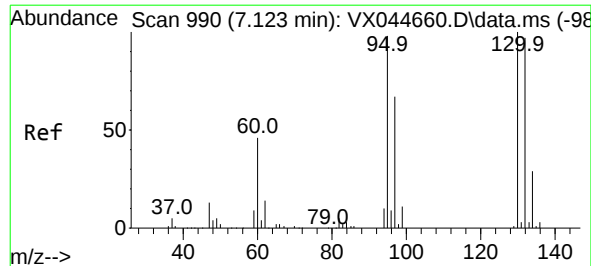
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#36
1,2-Dichloroethane
Concen: 141.982 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044663.D
Acq: 16 Jan 2025 10:12

Tgt Ion: 62 Resp: 475153
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.2





#37

Trichloroethene

Concen: 146.814 ug/l

RT: 7.117 min Scan# 98

Delta R.T. -0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:130 Resp: 331784

Ion Ratio Lower Upper

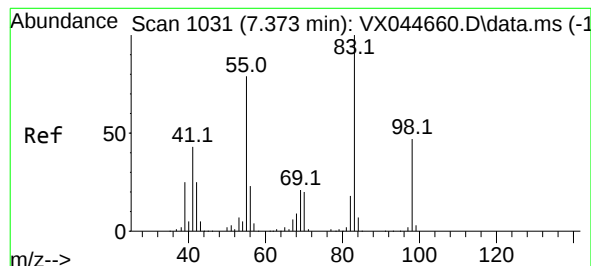
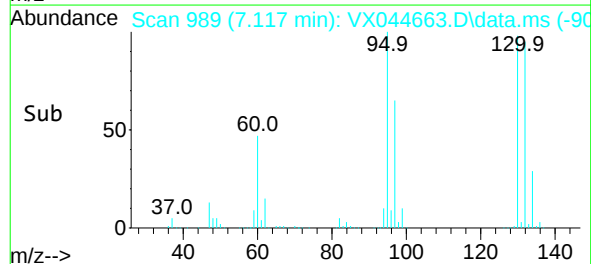
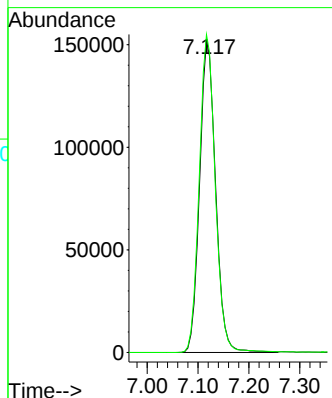
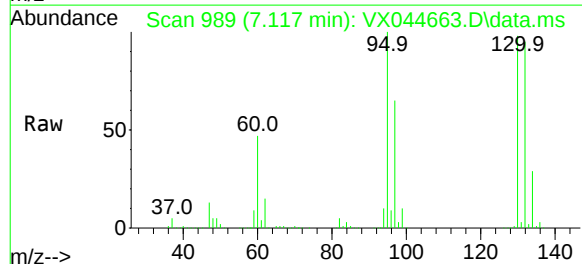
130 100

95 101.8 78.2 117.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#38

Methylcyclohexane

Concen: 143.834 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

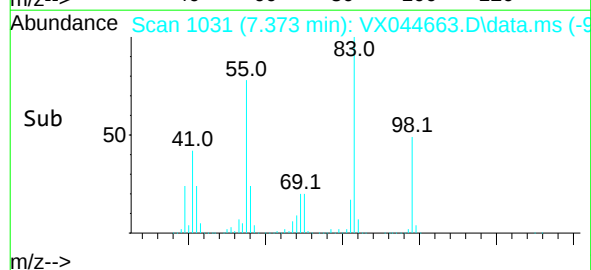
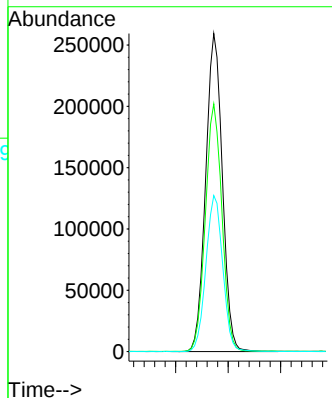
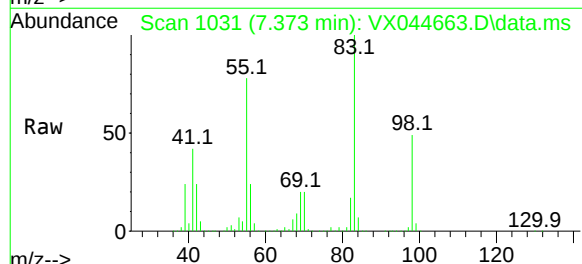
Tgt Ion: 83 Resp: 573341

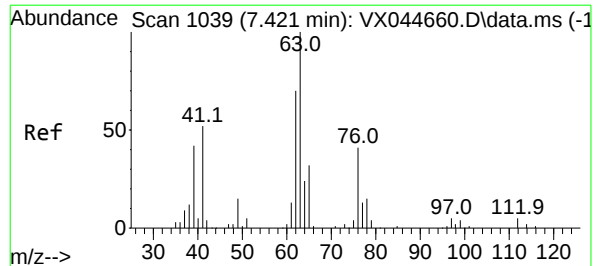
Ion Ratio Lower Upper

83 100

55 76.9 38.4 115.2

98 49.5 24.4 73.4





#39

1,2-Dichloropropane

Concen: 142.224 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 331963

Ion Ratio Lower Upper

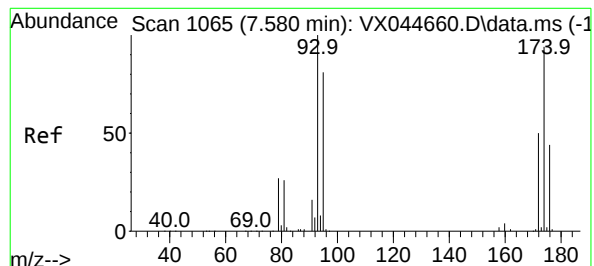
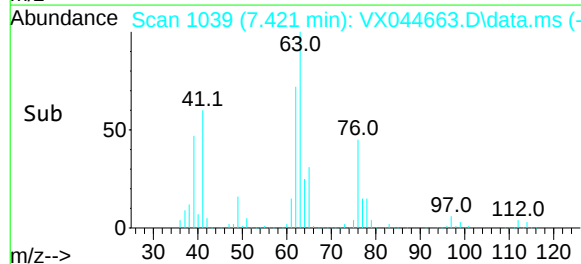
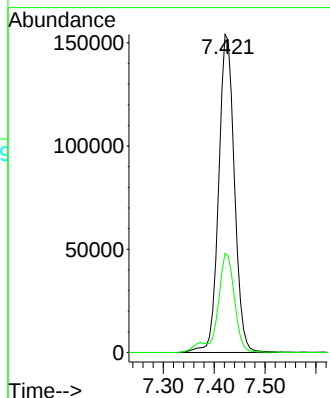
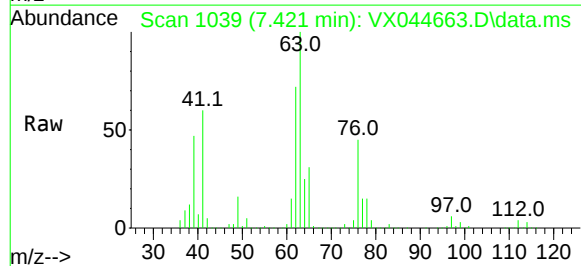
63 100

65 31.1 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#40

Dibromomethane

Concen: 143.290 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

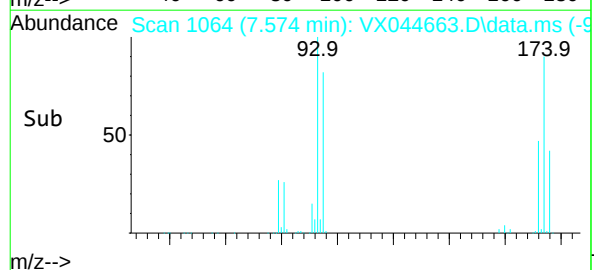
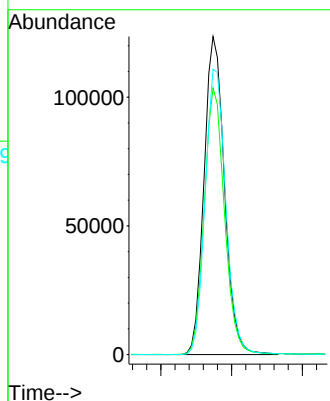
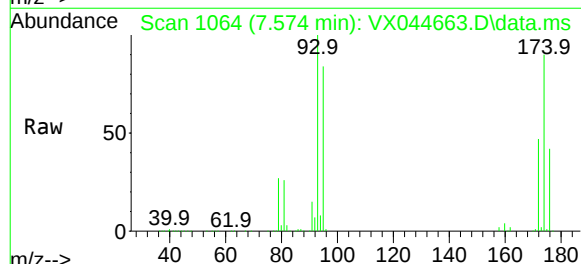
Tgt Ion: 93 Resp: 248648

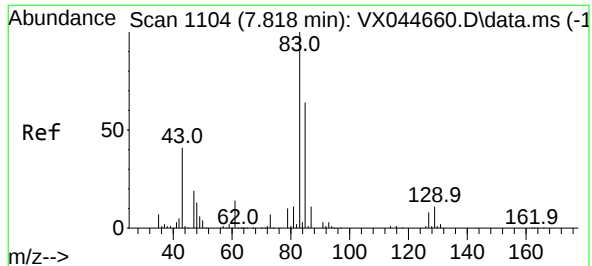
Ion Ratio Lower Upper

93 100

95 82.6 0.0 167.0

174 90.6 0.0 182.0





#41

Bromodichloromethane

Concen: 140.783 ug/l

RT: 7.818 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 504431

Ion Ratio Lower Upper

83 100

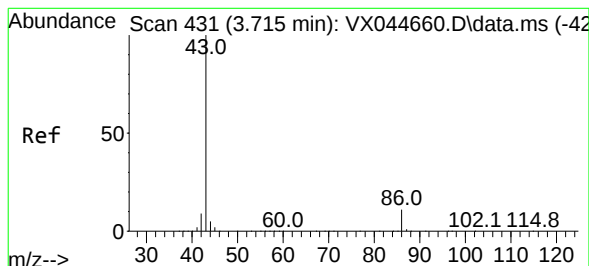
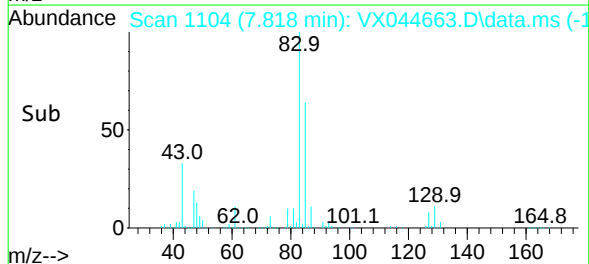
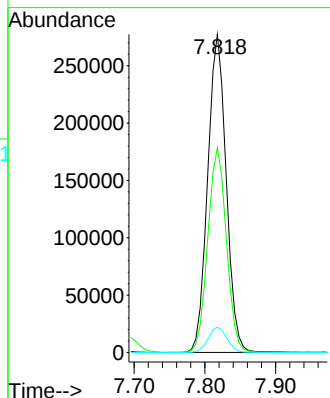
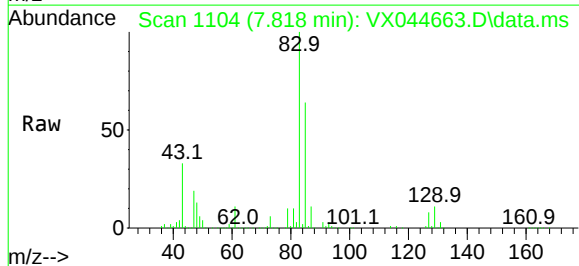
85 64.3 50.9 76.3

127 8.0 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#42

Vinyl Acetate

Concen: 681.685 ug/l

RT: 3.721 min Scan# 432

Delta R.T. 0.006 min

Lab File: VX044663.D

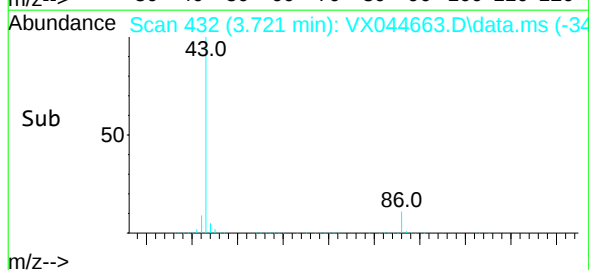
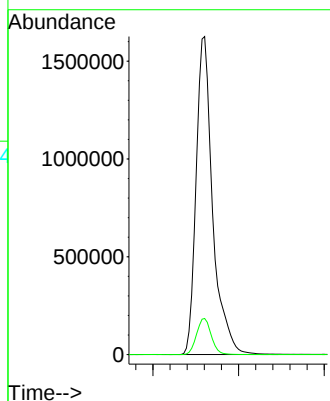
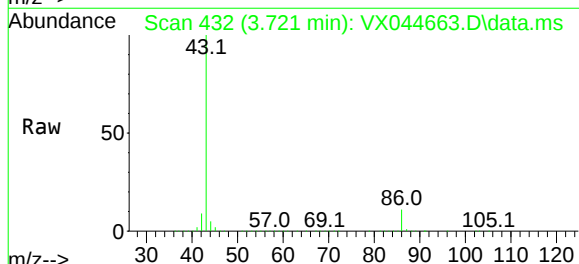
Acq: 16 Jan 2025 10:12

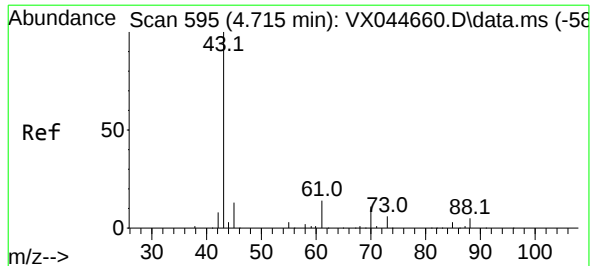
Tgt Ion: 43 Resp: 4362962

Ion Ratio Lower Upper

43 100

86 10.1 8.0 12.0





#43

Ethyl Acetate

Concen: 142.615 ug/l

RT: 4.708 min Scan# 59

Delta R.T. -0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 450860

Ion Ratio Lower Upper

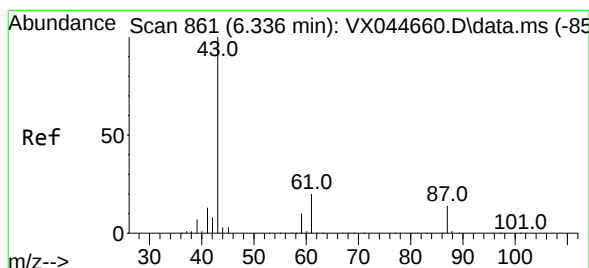
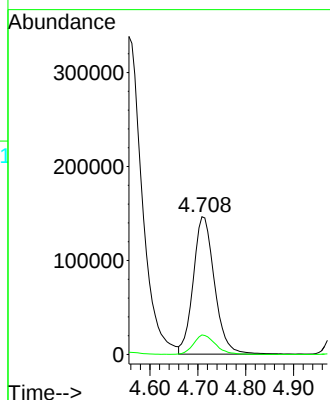
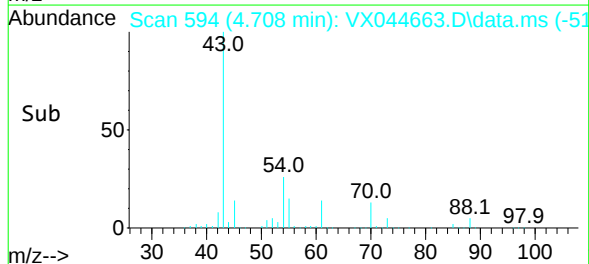
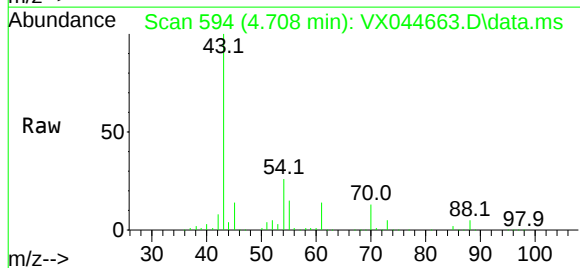
43 100

45 14.6 0.1 0.1#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#44

Isopropyl Acetate

Concen: 142.404 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044663.D

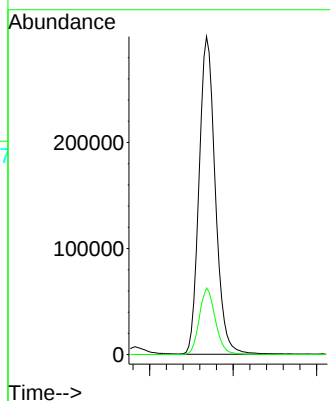
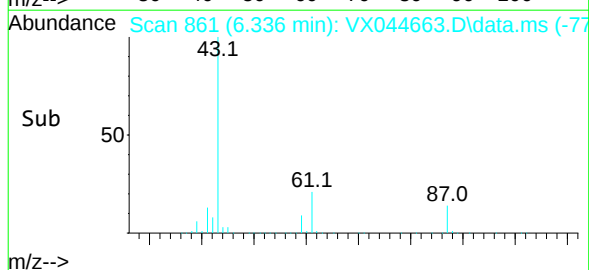
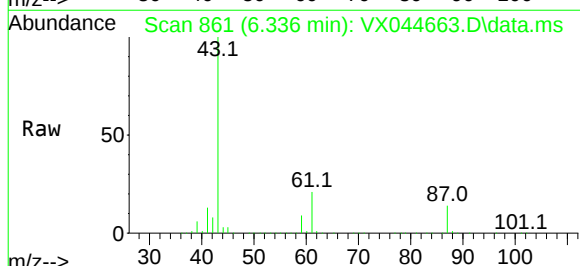
Acq: 16 Jan 2025 10:12

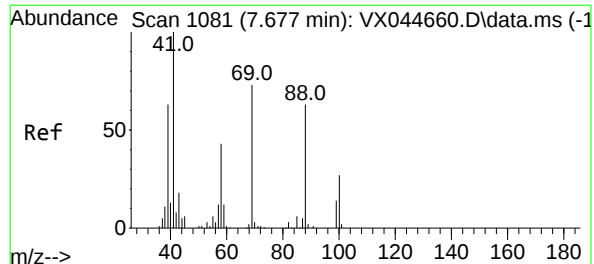
Tgt Ion: 43 Resp: 808776

Ion Ratio Lower Upper

43 100

61 20.7 16.2 24.4





#45

1,4-Dioxane

Concen: 2560.521 ug/l

RT: 7.671 min Scan# 1081

Delta R.T. -0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 88 Resp: 138476

Ion Ratio Lower Upper

88 100

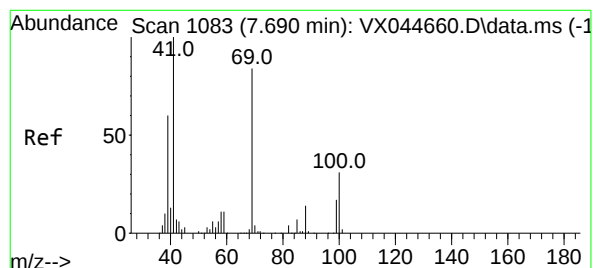
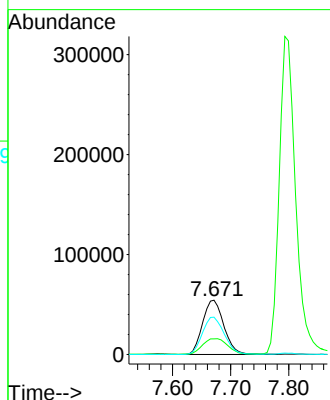
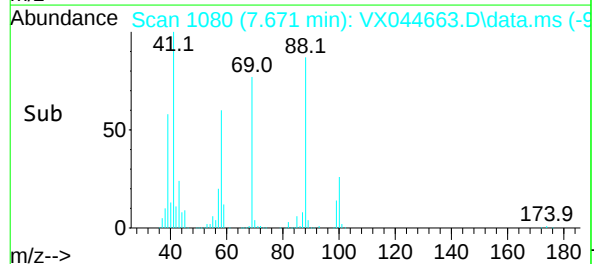
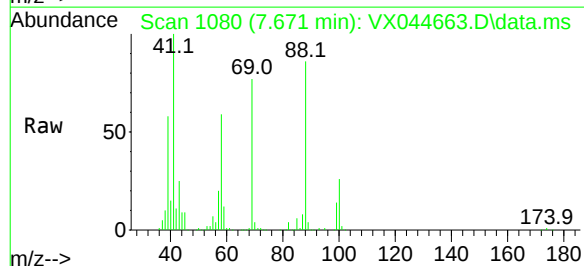
43 33.7 25.9 38.9

58 70.3 58.9 88.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025



#46

Methyl methacrylate

Concen: 140.143 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

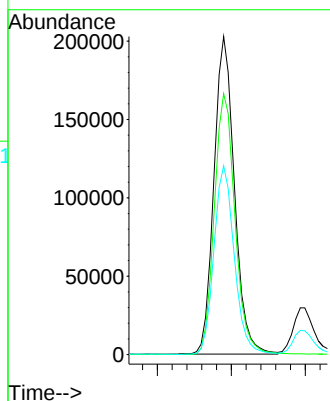
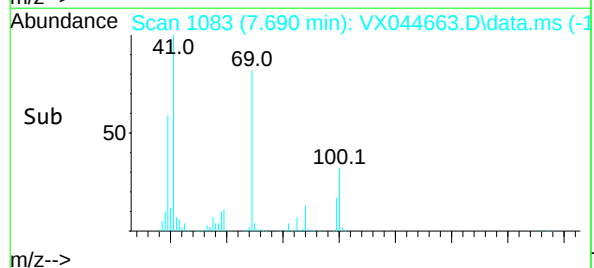
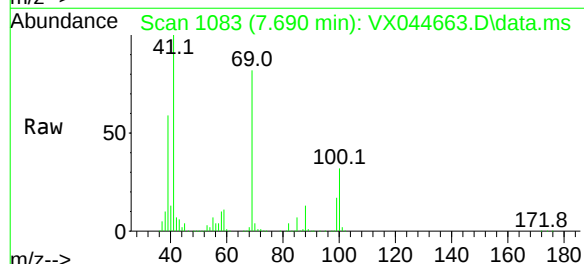
Tgt Ion: 41 Resp: 389600

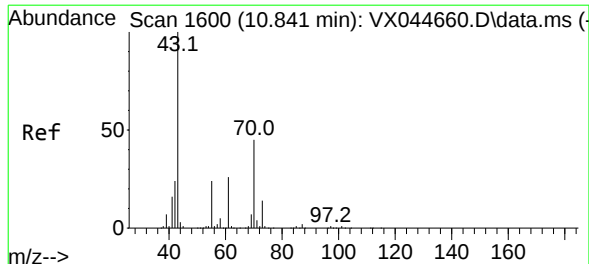
Ion Ratio Lower Upper

41 100

69 82.1 41.9 125.7

39 59.4 30.1 90.3





#47

n-amy1 Acetate

Concen: 135.718 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 646879

Ion Ratio Lower Upper

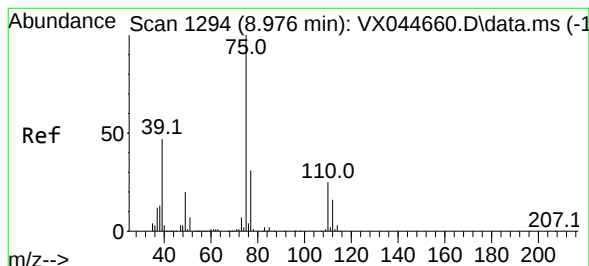
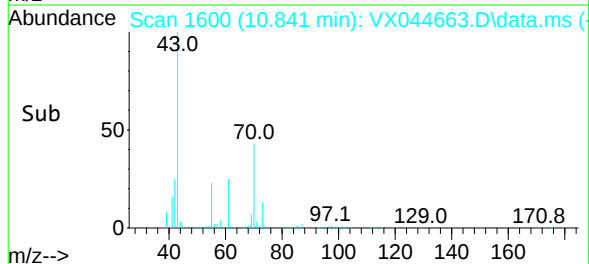
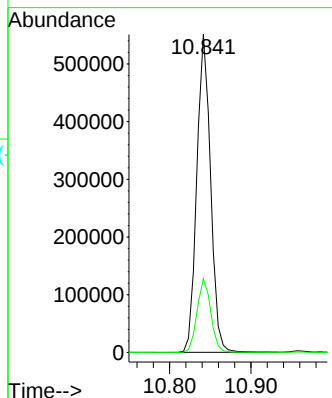
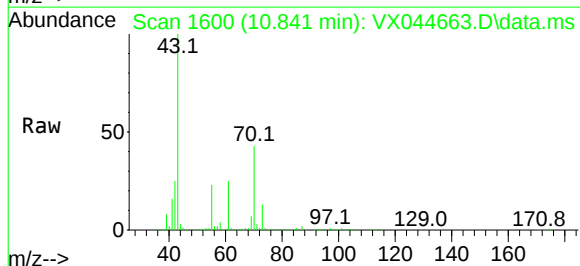
43 100

55 23.0 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#48

t-1,3-Dichloropropene

Concen: 141.659 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX044663.D

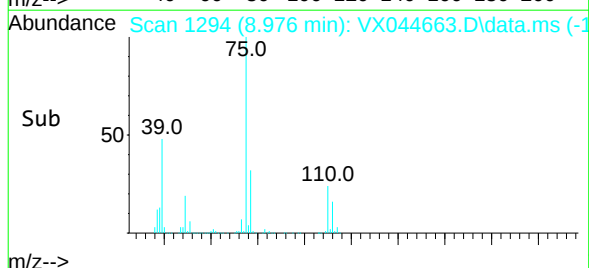
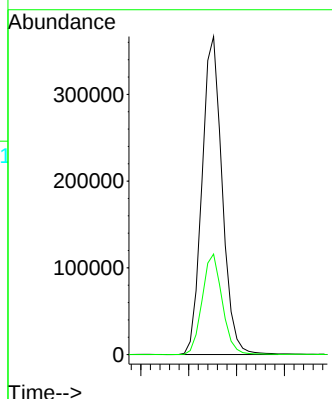
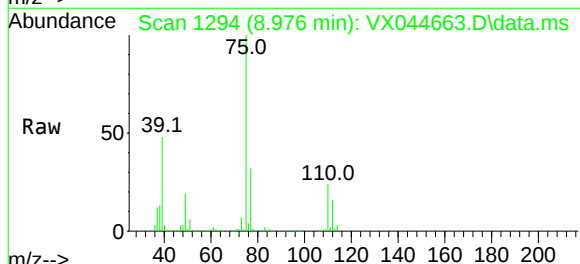
Acq: 16 Jan 2025 10:12

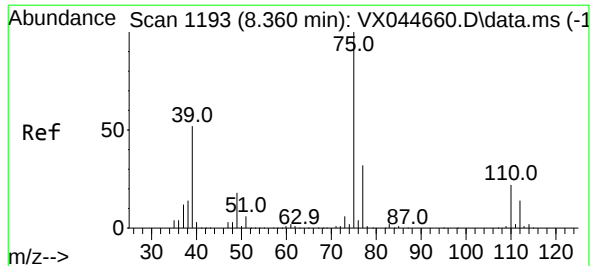
Tgt Ion: 75 Resp: 535738

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 139.536 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044663.D

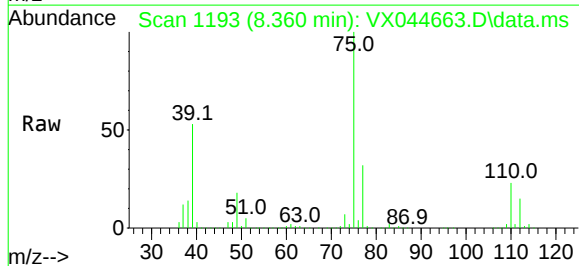
Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

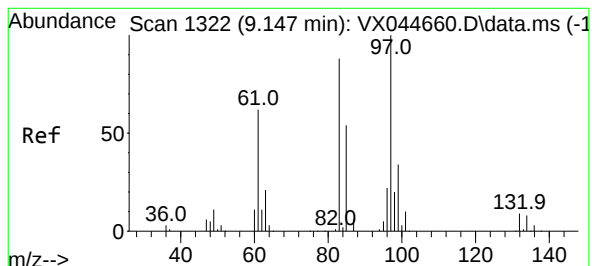
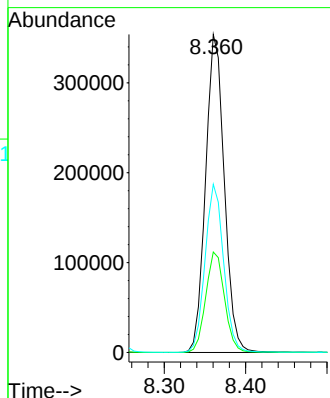
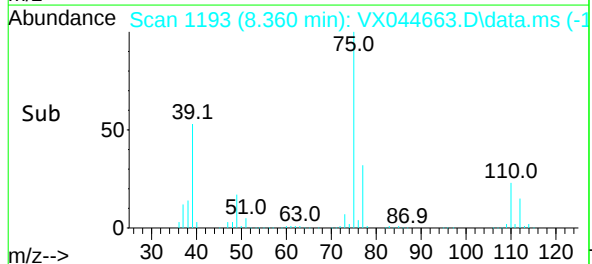
VSTDIC150



Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0
39	52.8	41.4	62.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#50

1,1,2-Trichloroethane

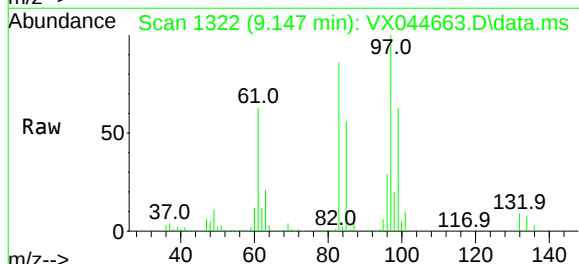
Concen: 133.695 ug/l

RT: 9.147 min Scan# 1322

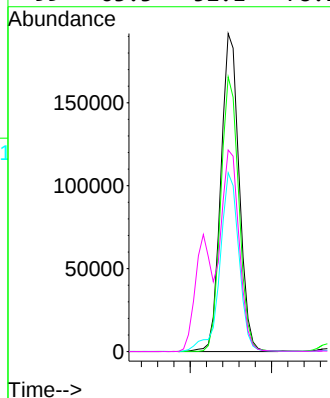
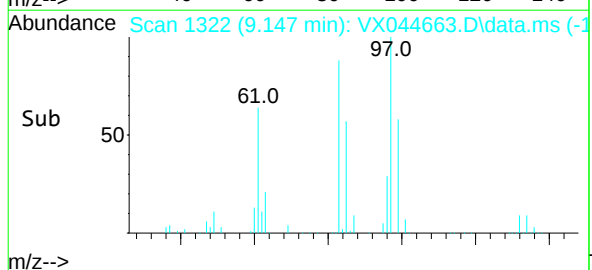
Delta R.T. 0.000 min

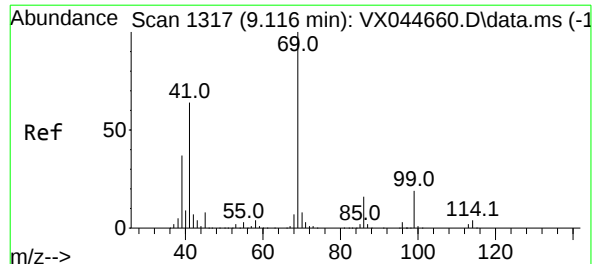
Lab File: VX044663.D

Acq: 16 Jan 2025 10:12



Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.2	103.8
85	56.2	44.8	67.2
99	63.3	52.1	78.1





#51

Ethyl methacrylate

Concen: 136.772 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 69 Resp: 531002

Ion Ratio Lower Upper

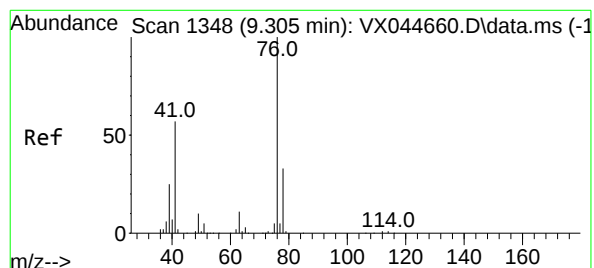
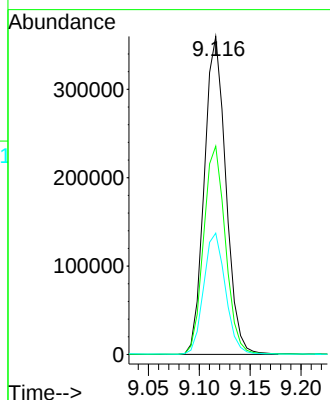
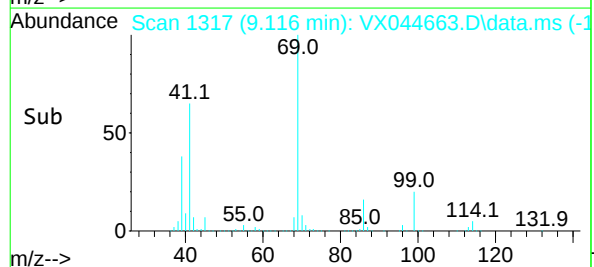
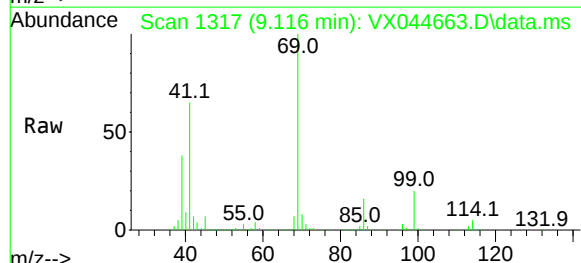
69 100

41 65.4 32.0 96.0

39 38.1 18.6 55.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#52

1,3-Dichloropropane

Concen: 136.132 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VX044663.D

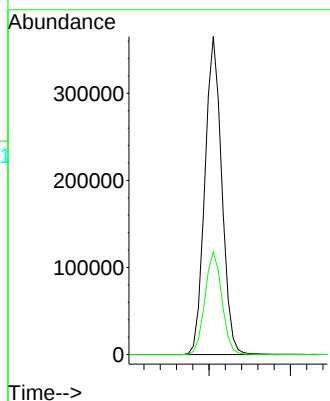
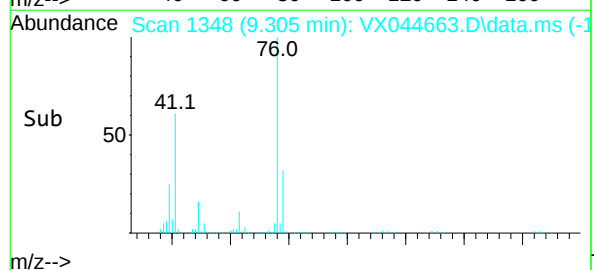
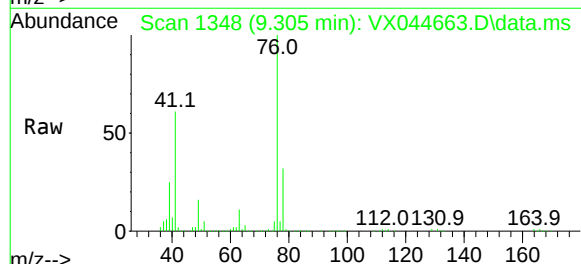
Acq: 16 Jan 2025 10:12

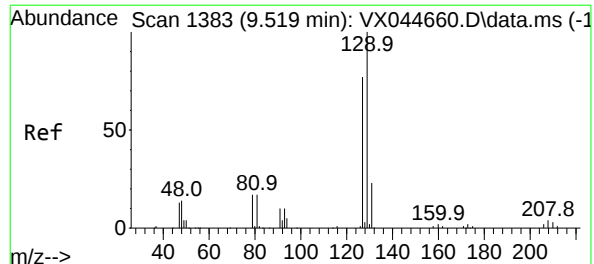
Tgt Ion: 76 Resp: 526192

Ion Ratio Lower Upper

76 100

78 32.3 0.0 64.0





#53

Dibromochloromethane

Concen: 135.007 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:129 Resp: 360540

Ion Ratio Lower Upper

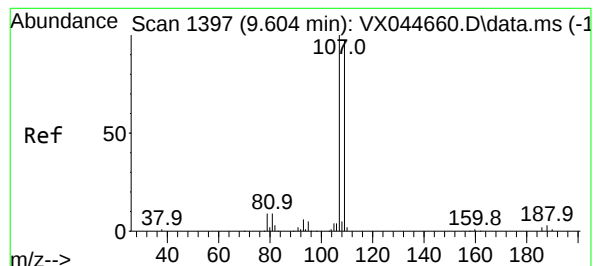
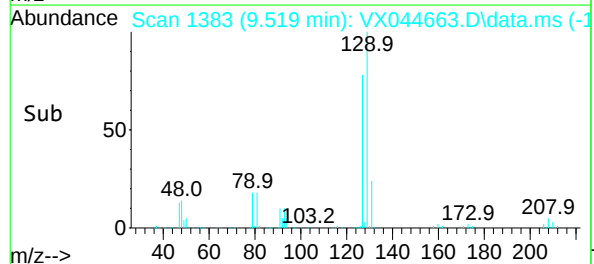
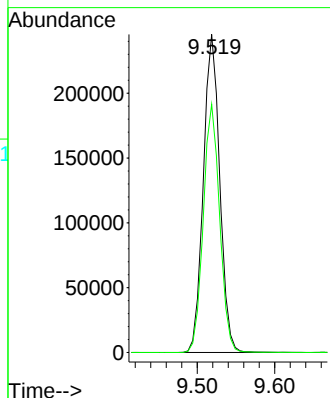
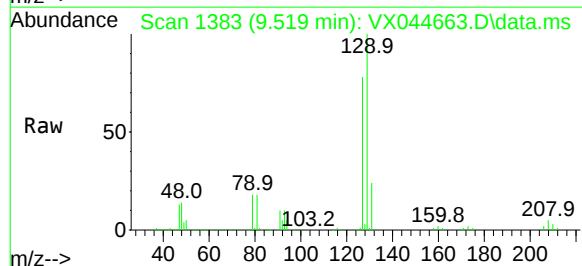
129 100

127 78.0 37.8 113.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#54

1,2-Dibromoethane

Concen: 135.590 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VX044663.D

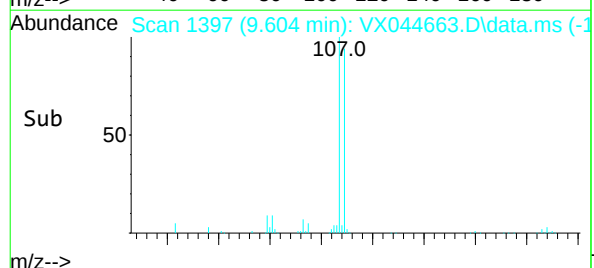
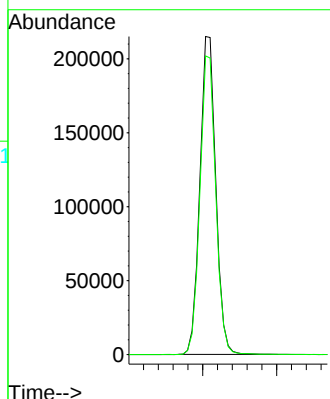
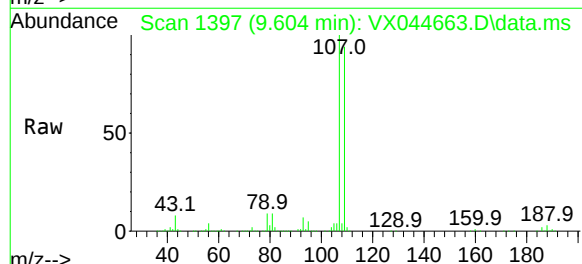
Acq: 16 Jan 2025 10:12

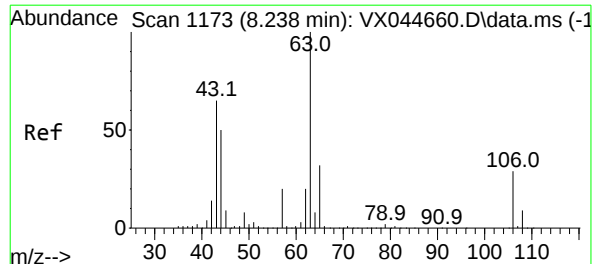
Tgt Ion:107 Resp: 320334

Ion Ratio Lower Upper

107 100

109 93.6 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 676.879 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 1273435

Ion Ratio Lower Upper

63 100

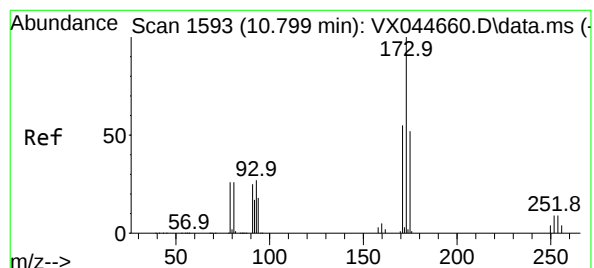
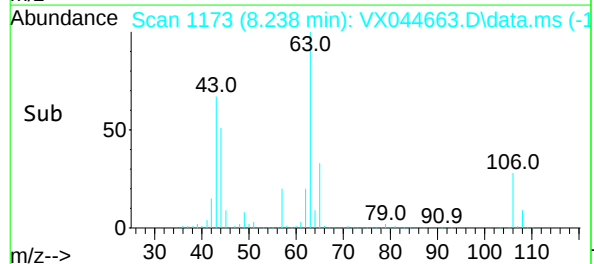
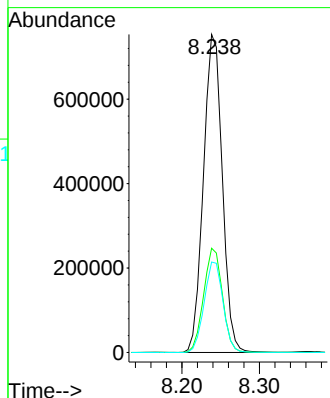
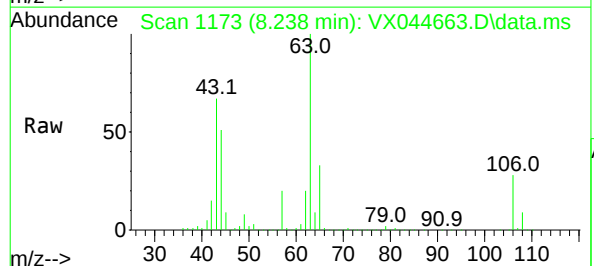
65 32.5 25.8 38.6

106 28.5 23.1 34.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#56

Bromoform

Concen: 136.568 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

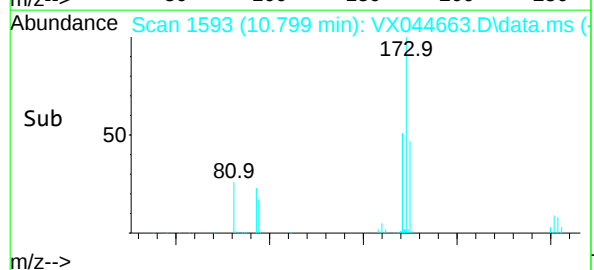
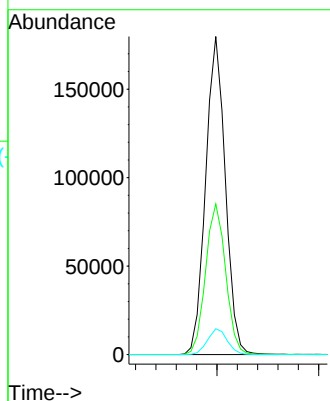
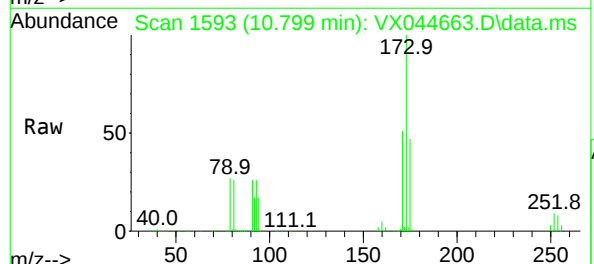
Tgt Ion:173 Resp: 241837

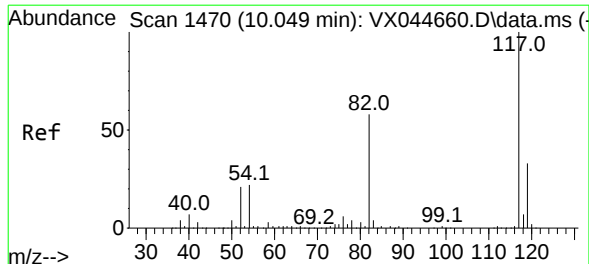
Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.6

254 8.2 6.5 9.7





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

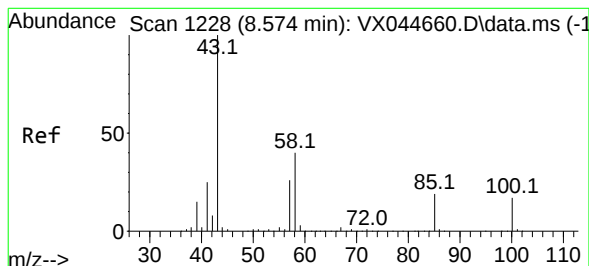
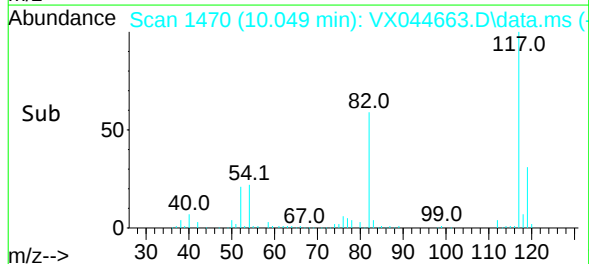
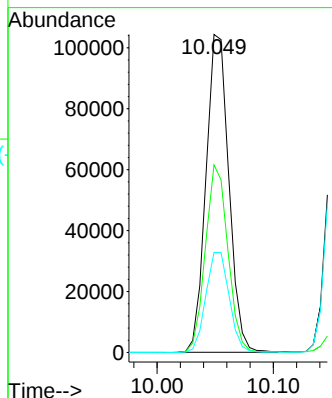
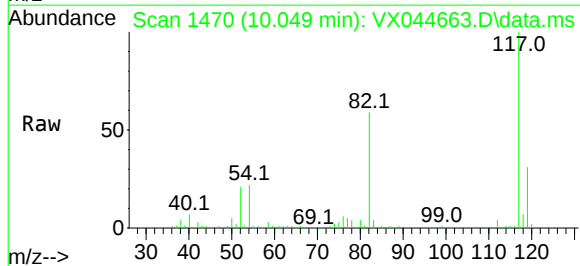
ClientSampleId :

VSTDIC150

Tgt Ion:	117	Resp:	142579
Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.8	68.6
119	32.2	25.8	38.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#58

4-Methyl-2-Pentanone

Concen: 678.112 ug/l

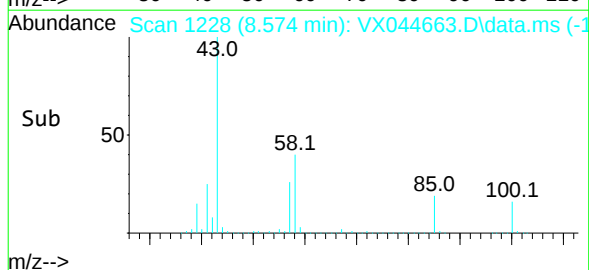
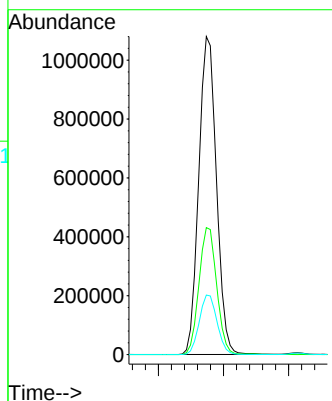
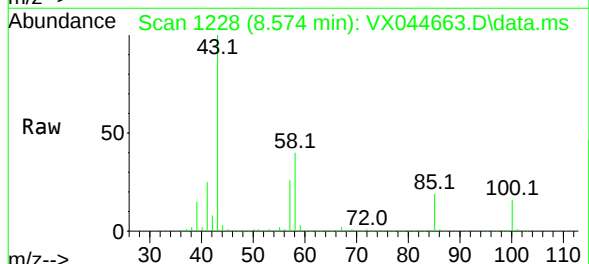
RT: 8.574 min Scan# 1228

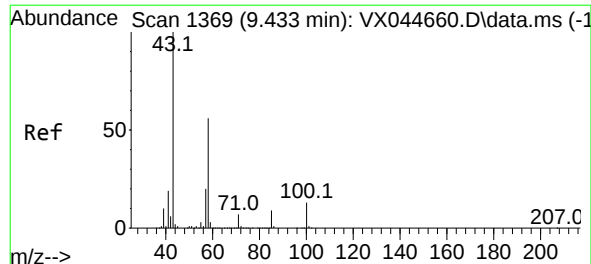
Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Tgt Ion:	43	Resp:	2037971
Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.7	47.5
85	18.8	15.0	22.6





#59

2-Hexanone

Concen: 675.525 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1486312

Ion Ratio Lower Upper

43 100

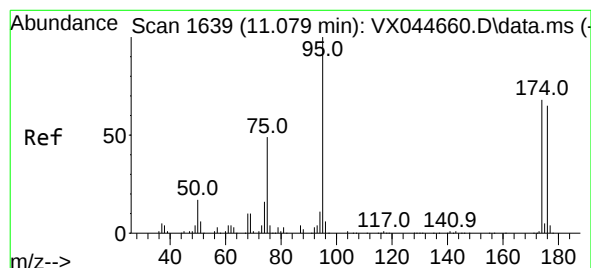
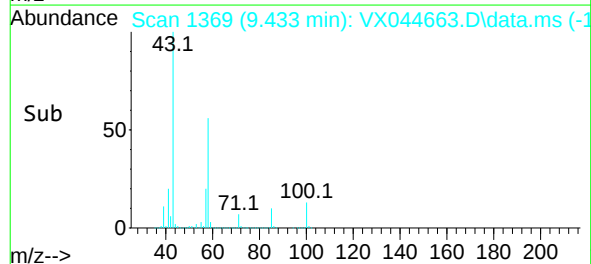
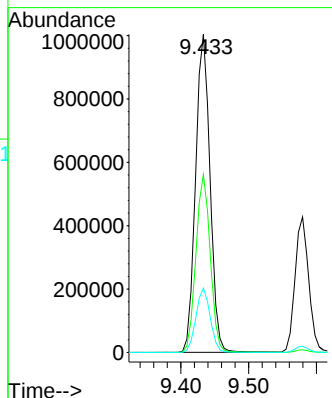
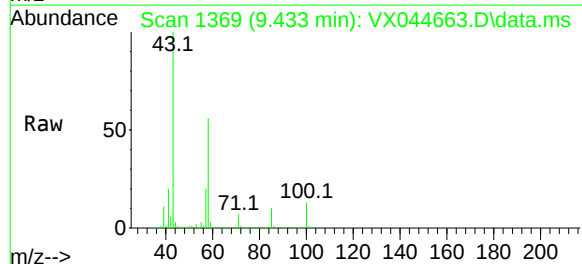
58 55.4 44.4 66.6

57 19.9 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#60

4-Bromofluorobenzene

Concen: 29.982 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

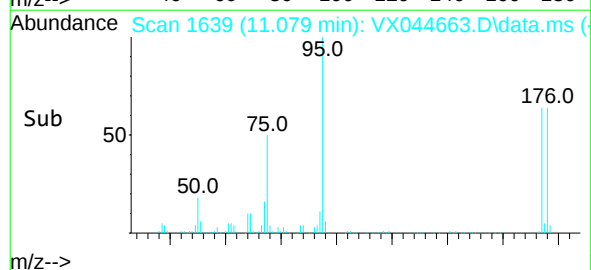
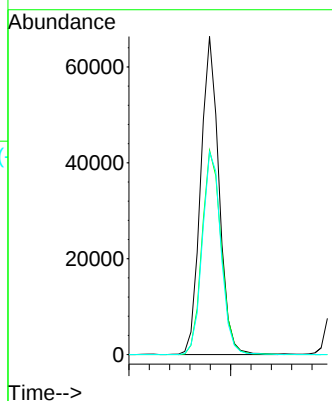
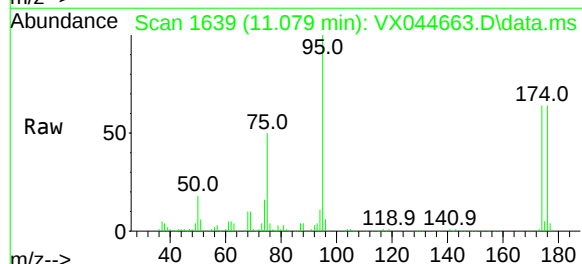
Tgt Ion: 95 Resp: 83031

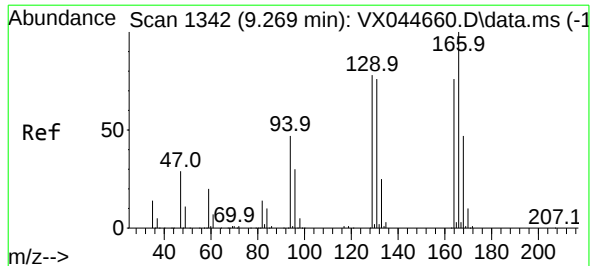
Ion Ratio Lower Upper

95 100

174 66.7 54.6 81.8

176 65.0 52.8 79.2





#61

Tetrachloroethene

Concen: 144.876 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044663.D

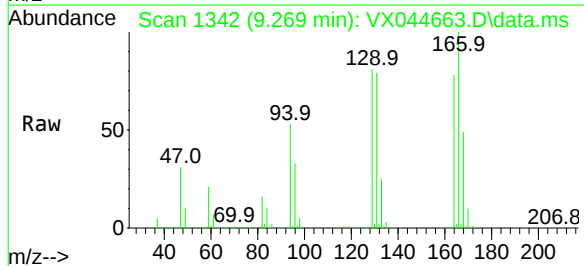
Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150



Tgt Ion: 164 Resp: 247777

Ion Ratio Lower Upper

164 100

166 128.1 105.6 158.4

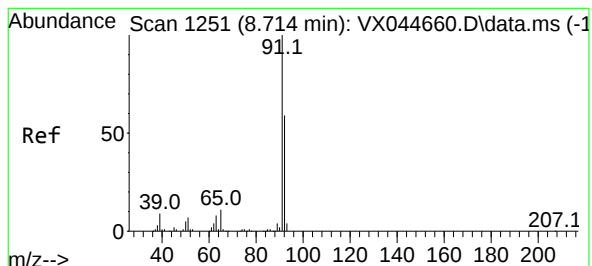
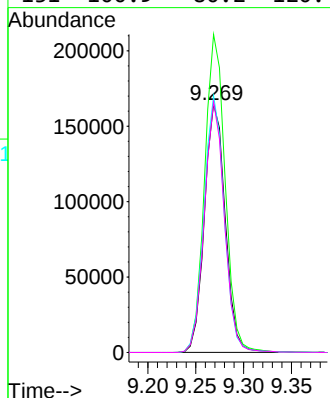
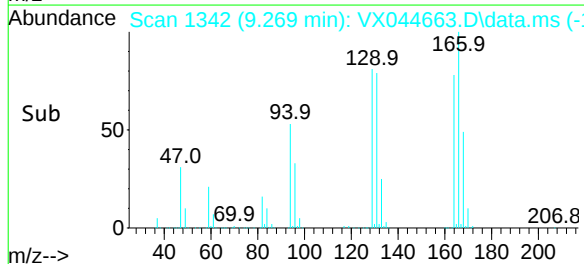
129 103.3 82.8 124.2

131 100.9 80.2 120.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#62

Toluene

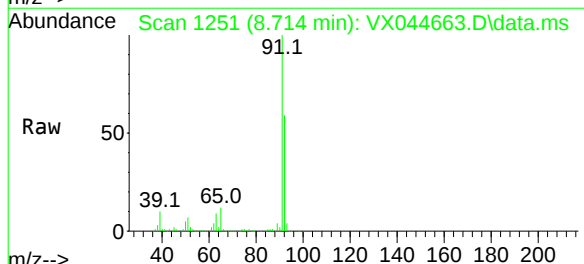
Concen: 140.491 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

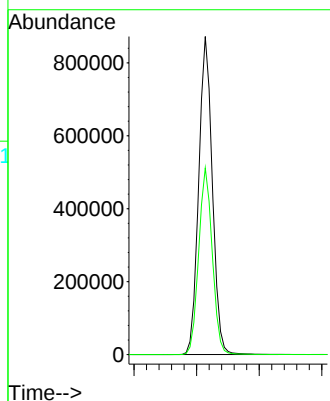
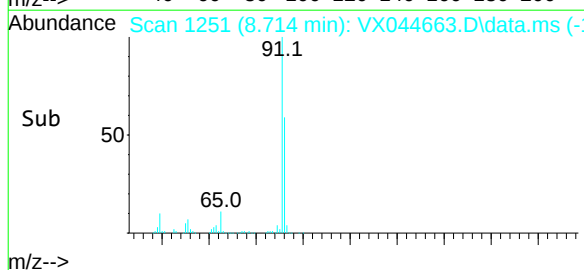


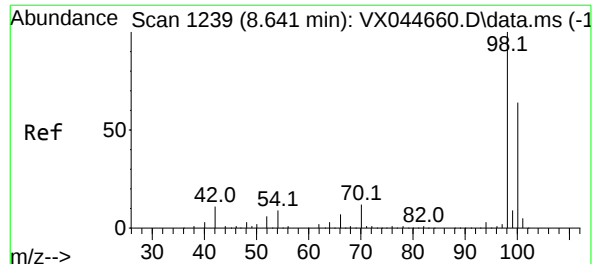
Tgt Ion: 91 Resp: 1318975

Ion Ratio Lower Upper

91 100

92 58.6 47.3 70.9





#63

Toluene-d8

Concen: 29.588 ug/l

RT: 8.647 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 98 Resp: 229453

Ion Ratio Lower Upper

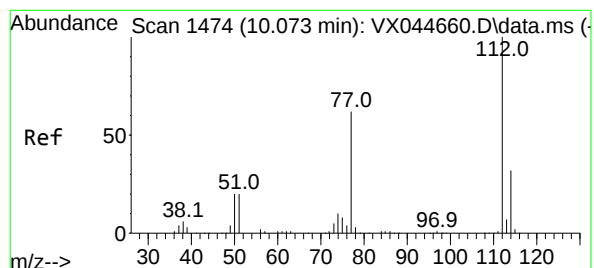
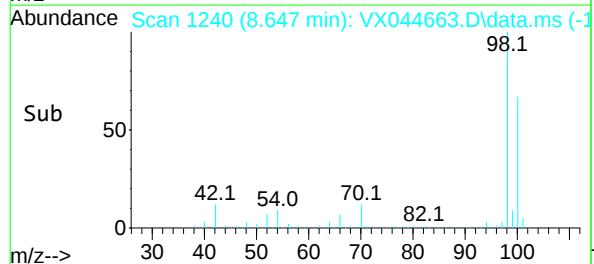
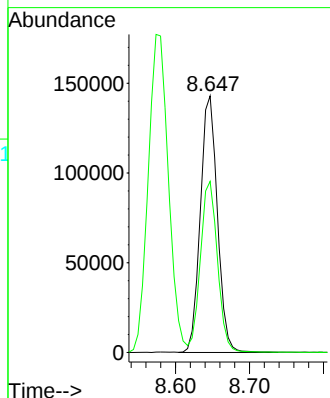
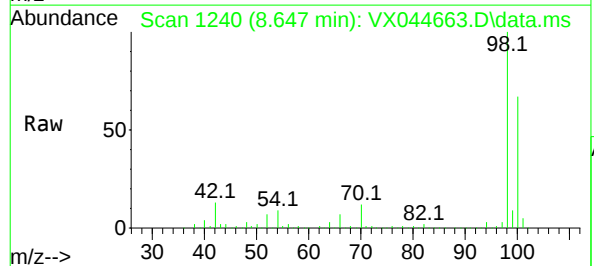
98 100

100 66.6 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#64

Chlorobenzene

Concen: 141.439 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. 0.000 min

Lab File: VX044663.D

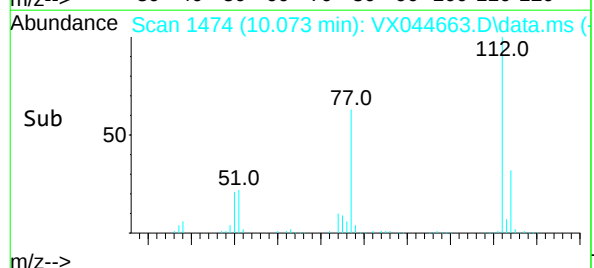
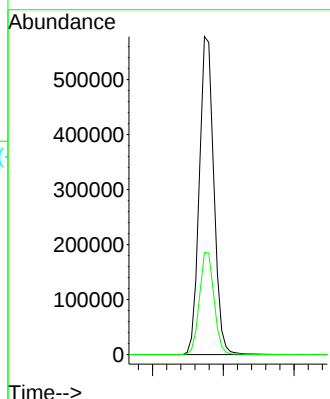
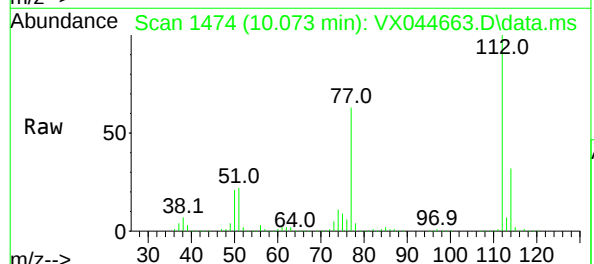
Acq: 16 Jan 2025 10:12

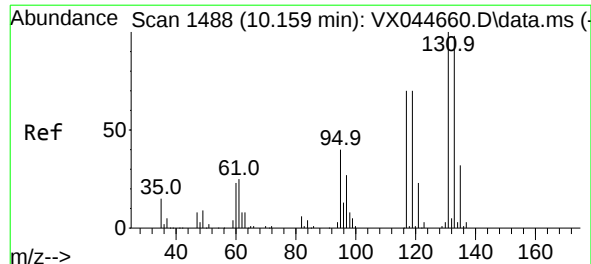
Tgt Ion:112 Resp: 824684

Ion Ratio Lower Upper

112 100

114 32.1 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 142.074 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

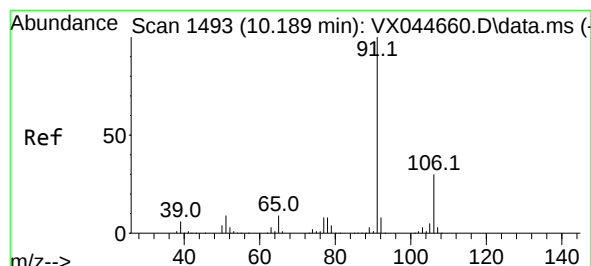
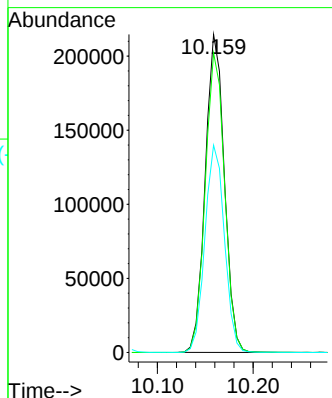
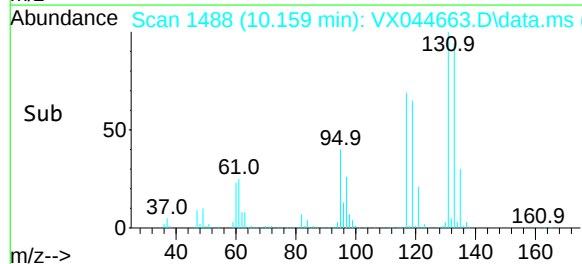
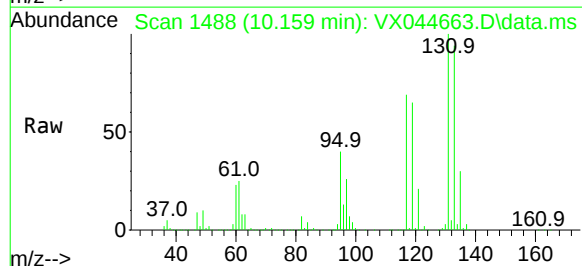
ClientSampleId :

VSTDIC150

Tgt Ion:	131	Resp:	297569
Ion	Ratio	Lower	Upper
131	100		
133	95.3	0.0	192.4
119	66.4	0.0	133.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#66

Ethyl Benzene

Concen: 141.307 ug/l

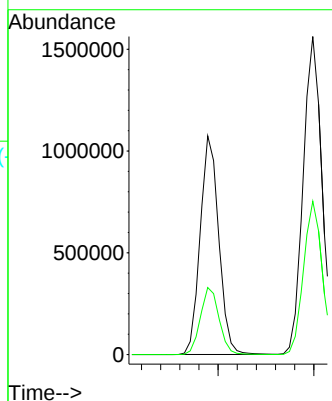
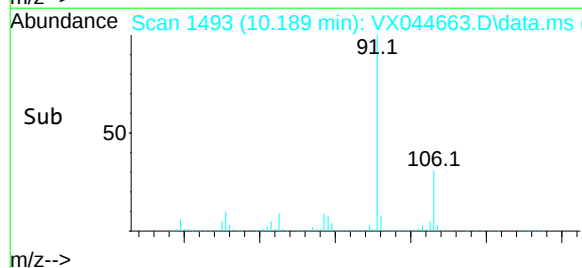
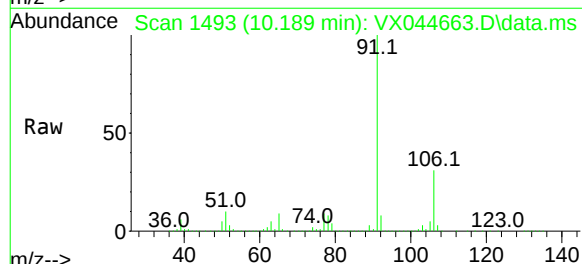
RT: 10.189 min Scan# 1493

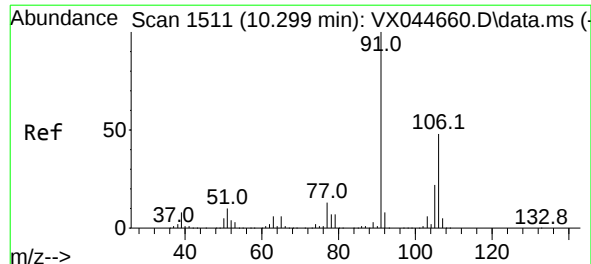
Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Tgt Ion:	91	Resp:	1447790
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.0	36.0





#67

m/p-Xylenes

Concen: 272.222 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:106 Resp: 1025226

Ion Ratio Lower Upper

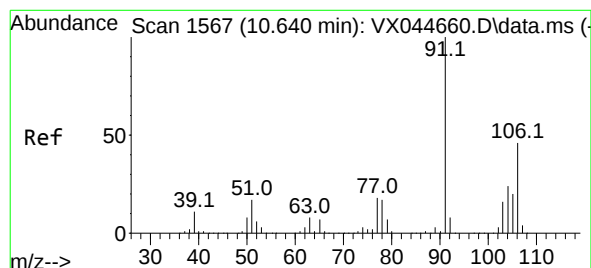
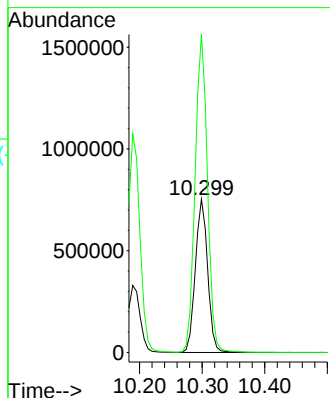
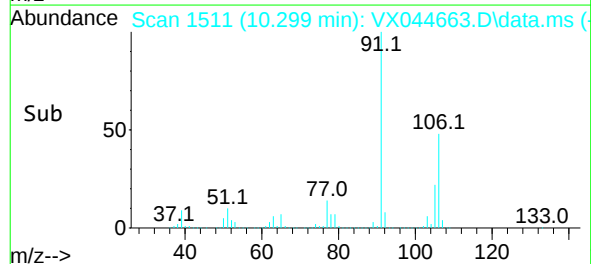
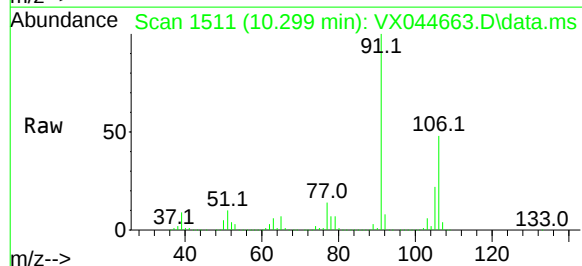
106 100

91 208.1 166.8 250.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#68

o-Xylene

Concen: 136.901 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044663.D

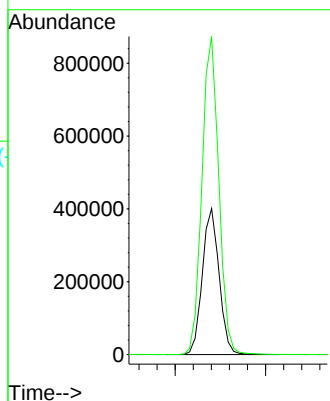
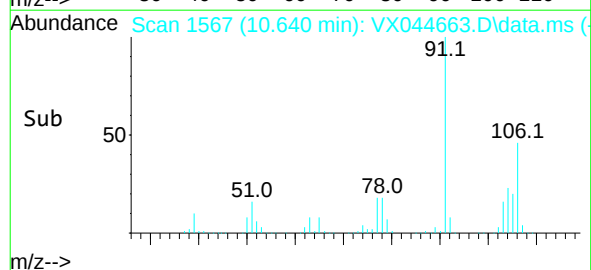
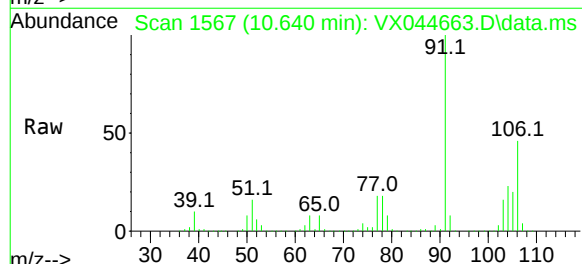
Acq: 16 Jan 2025 10:12

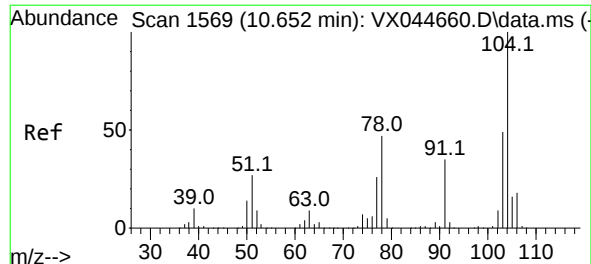
Tgt Ion:106 Resp: 517475

Ion Ratio Lower Upper

106 100

91 218.4 109.7 329.1





#69

Styrene

Concen: 137.409 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

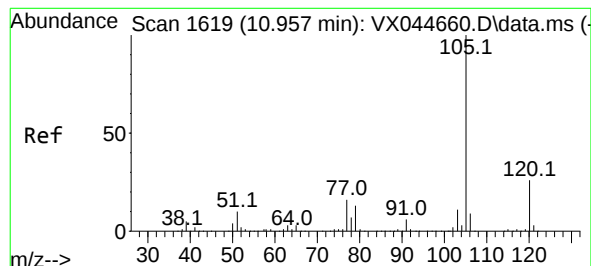
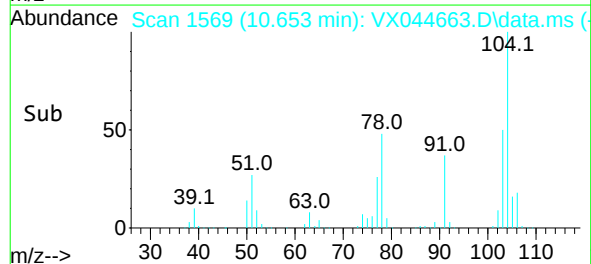
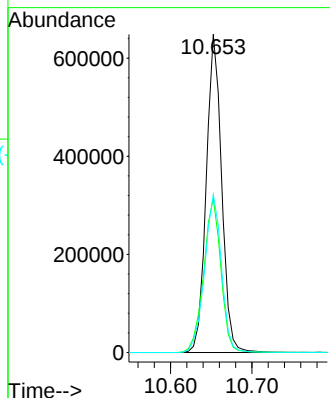
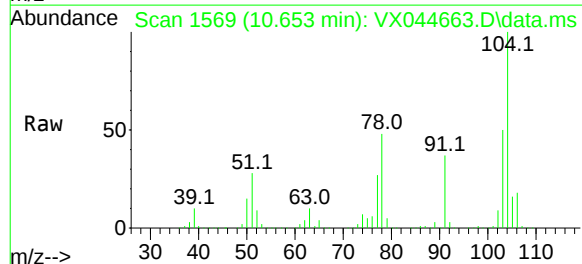
ClientSampleId :

VSTDIC150

Tgt Ion:	104	Resp:	852764
Ion	Ratio	Lower	Upper
104	100		
78	54.2	42.0	63.0
103	54.7	43.1	64.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#70

Isopropylbenzene

Concen: 137.153 ug/l

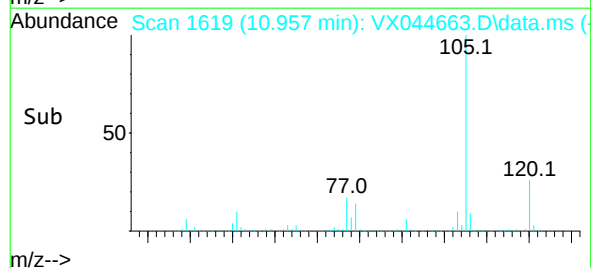
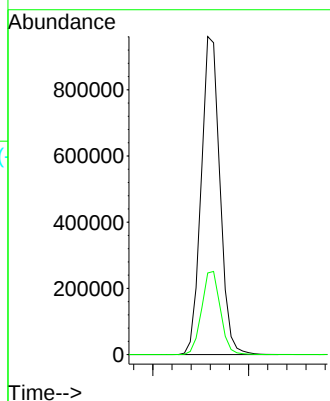
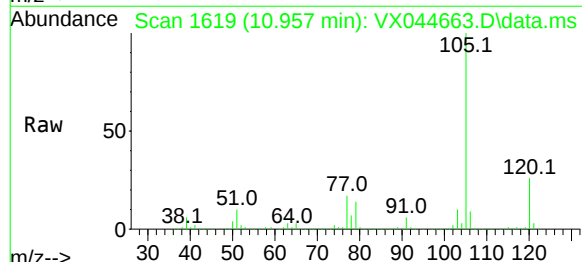
RT: 10.957 min Scan# 1619

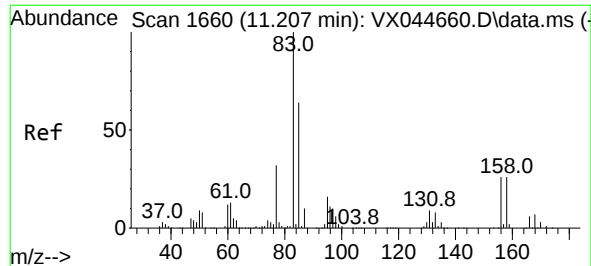
Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Tgt Ion:	105	Resp:	1303283
Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 135.197 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

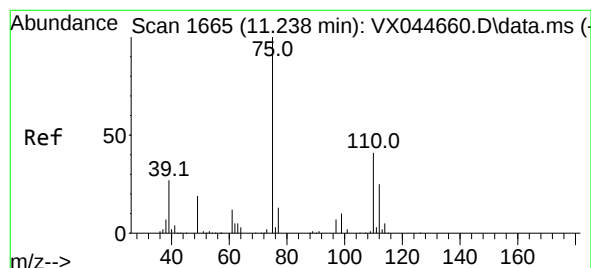
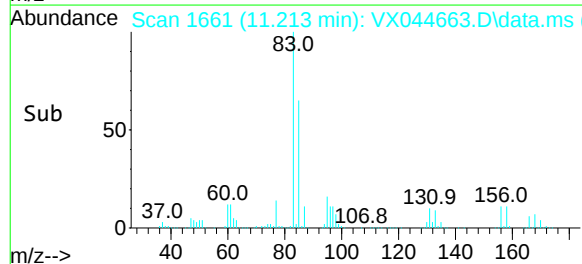
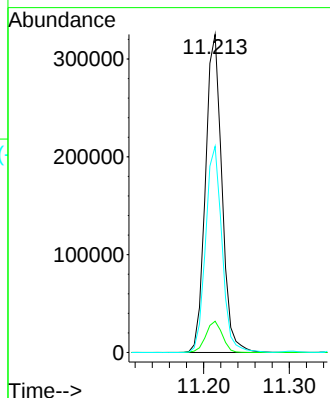
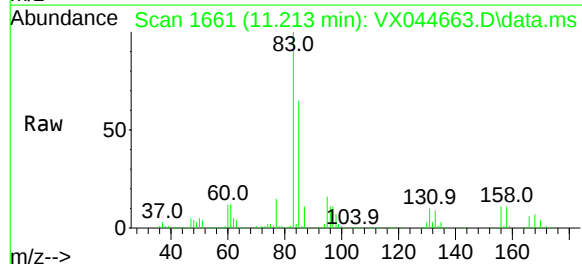
VSTDICC150

Tgt Ion:	83	Resp:	432603
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.6	33.0	99.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#72

1,2,3-Trichloropropane

Concen: 137.376 ug/l m

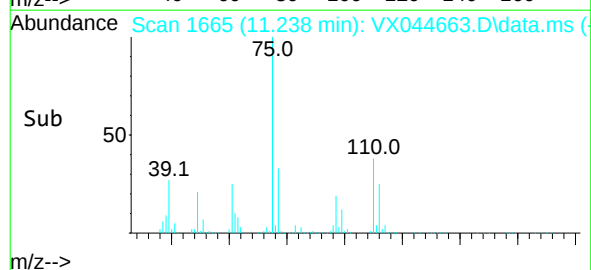
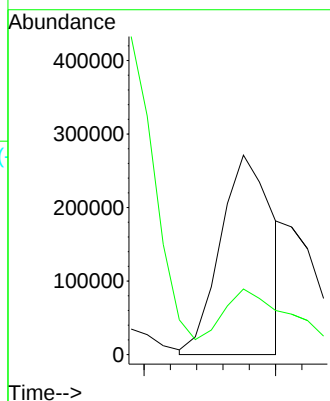
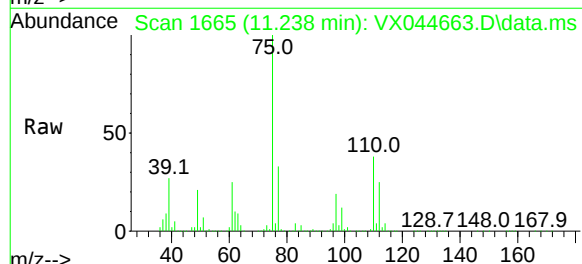
RT: 11.238 min Scan# 1665

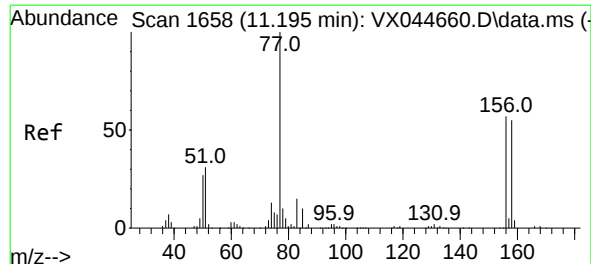
Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Tgt Ion:	75	Resp:	369195
Ion	Ratio	Lower	Upper
75	100		
77	45.7	0.0	83.0





#73

Bromobenzene

Concen: 140.672 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:156 Resp: 311401

Ion Ratio Lower Upper

156 100

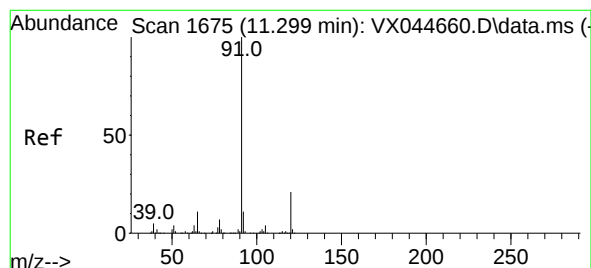
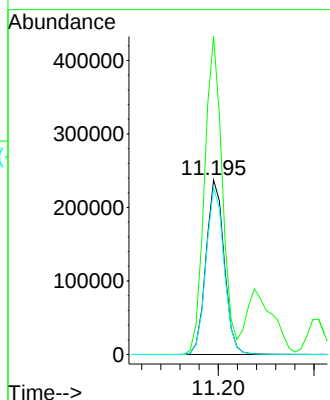
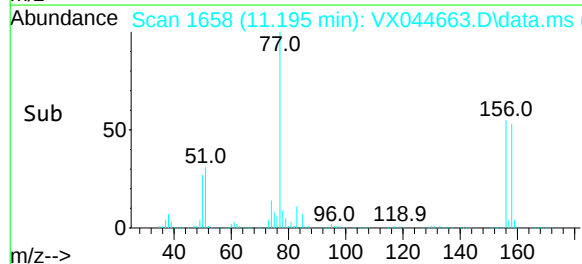
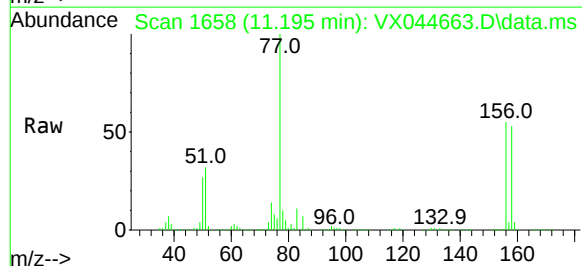
77 178.7 0.0 354.6

158 95.5 0.0 193.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#74

n-propylbenzene

Concen: 140.333 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044663.D

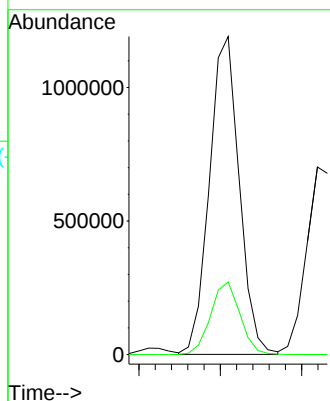
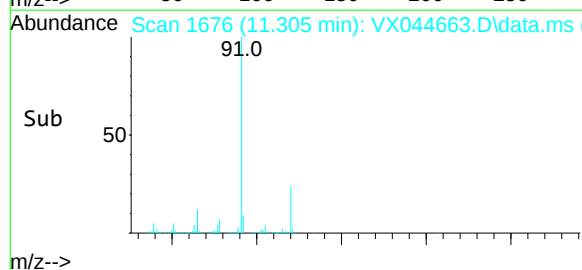
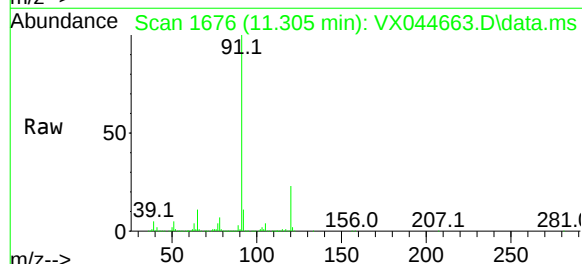
Acq: 16 Jan 2025 10:12

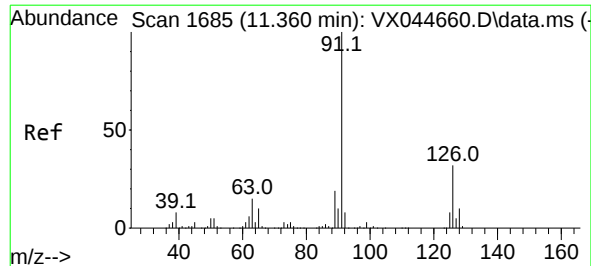
Tgt Ion: 91 Resp: 1515701

Ion Ratio Lower Upper

91 100

120 22.5 0.0 45.0





#75

2-Chlorotoluene

Concen: 138.367 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 939369

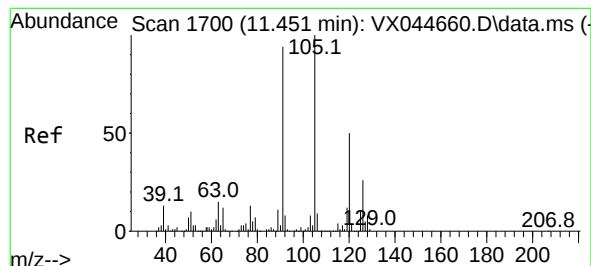
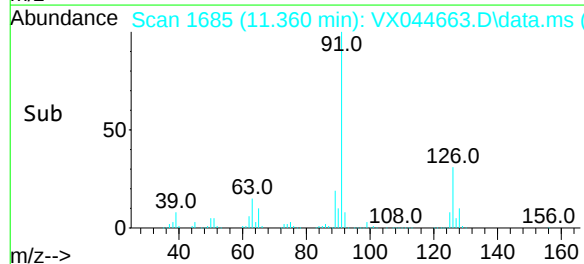
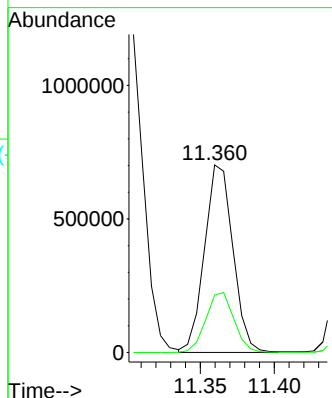
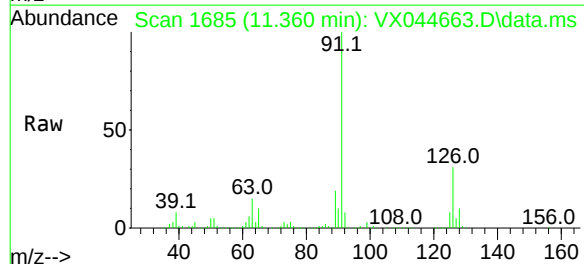
Ion Ratio Lower Upper

91 100

126 31.7 0.0 64.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#76

1,3,5-Trimethylbenzene

Concen: 134.557 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044663.D

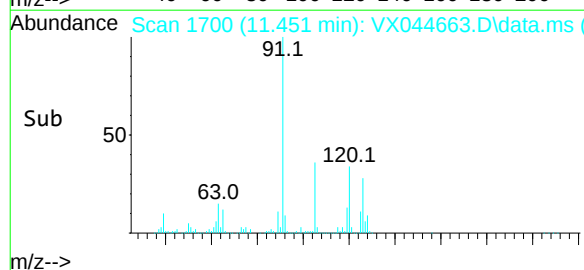
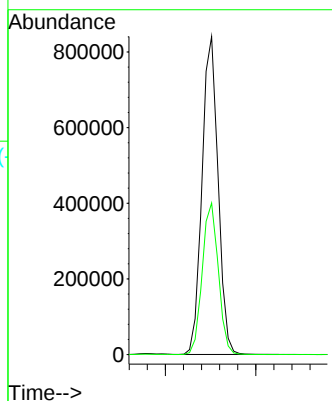
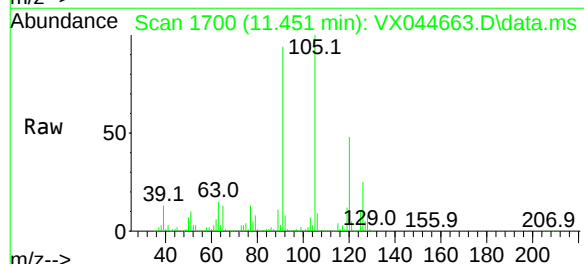
Acq: 16 Jan 2025 10:12

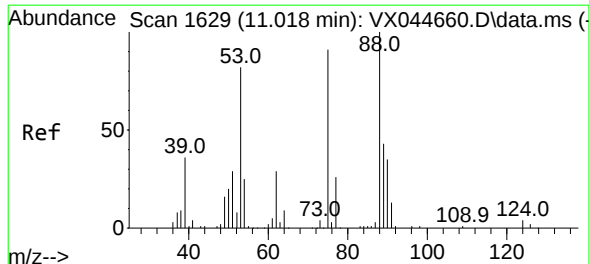
Tgt Ion:105 Resp: 1038367

Ion Ratio Lower Upper

105 100

120 47.6 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 140.770 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX044663.D

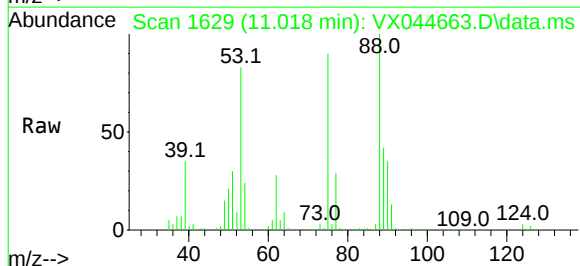
Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150



Tgt Ion: 75 Resp: 178978

Ion Ratio Lower Upper

75 100

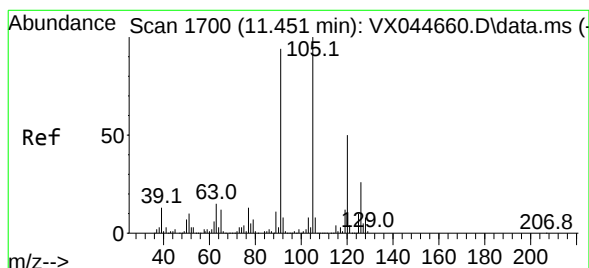
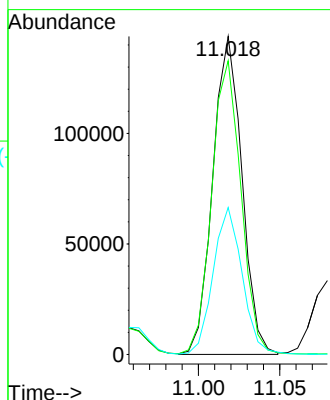
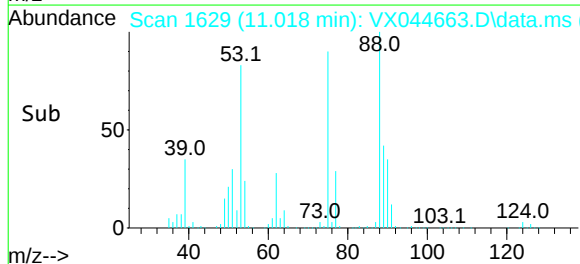
53 92.3 45.3 135.9

89 46.2 23.8 71.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#78

4-Chlorotoluene

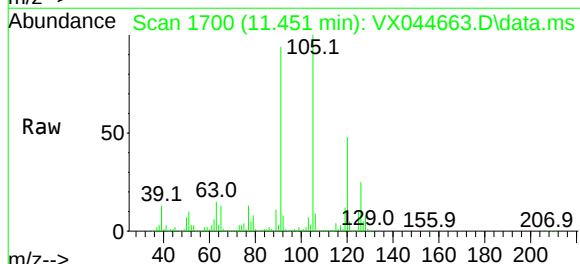
Concen: 138.039 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

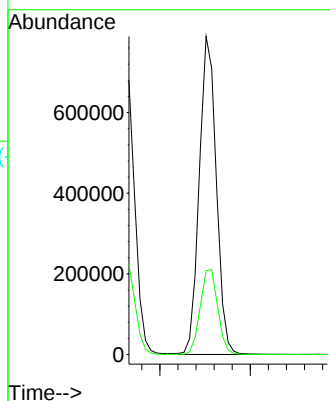
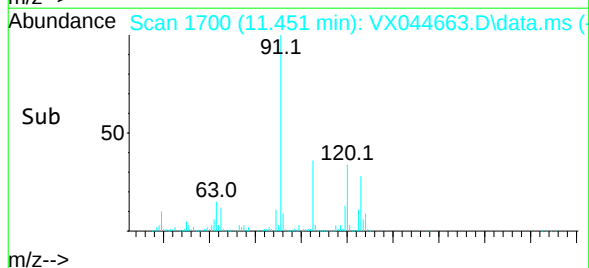


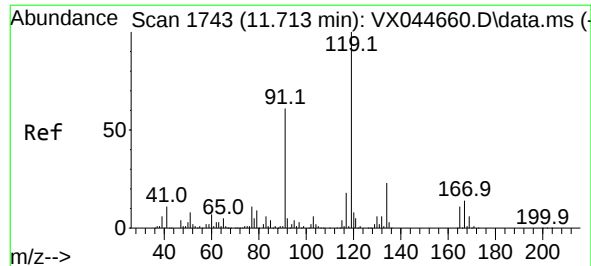
Tgt Ion: 91 Resp: 1032107

Ion Ratio Lower Upper

91 100

126 27.7 0.0 55.4





#79

tert-butylbenzene

Concen: 134.489 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:119 Resp: 1066193

Ion Ratio Lower Upper

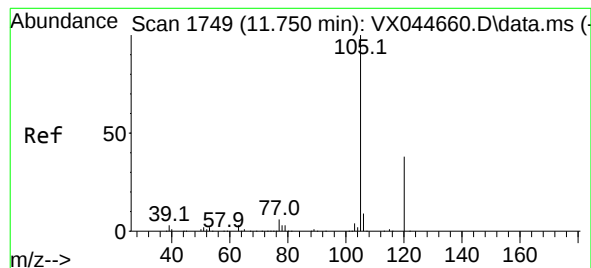
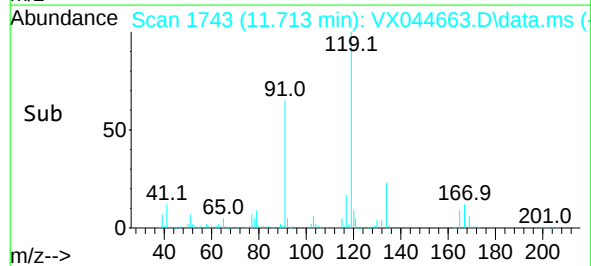
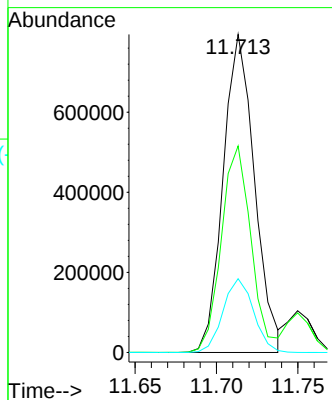
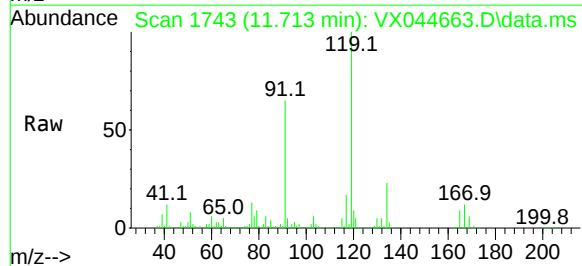
119 100

91 61.8 0.0 119.0

134 22.6 0.0 44.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#80

1,2,4-Trimethylbenzene

Concen: 136.597 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044663.D

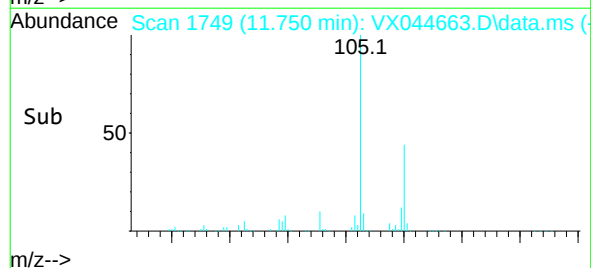
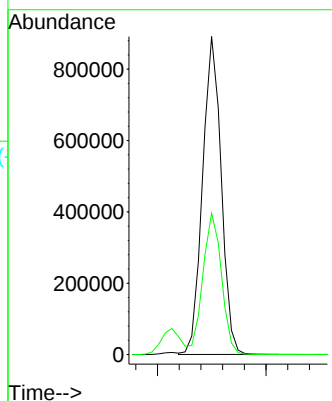
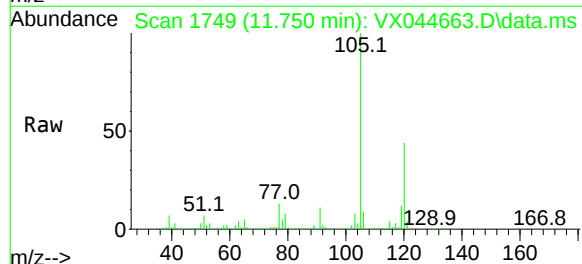
Acq: 16 Jan 2025 10:12

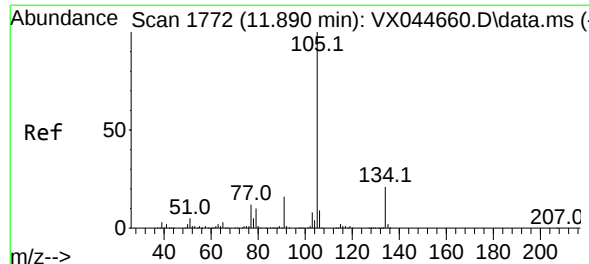
Tgt Ion:105 Resp: 1063526

Ion Ratio Lower Upper

105 100

120 44.7 0.0 88.4





#81

sec-Butylbenzene

Concen: 137.776 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 1304251

Ion Ratio Lower Upper

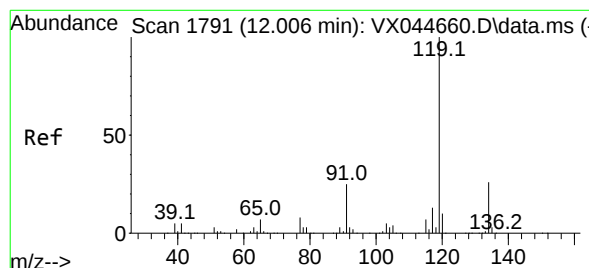
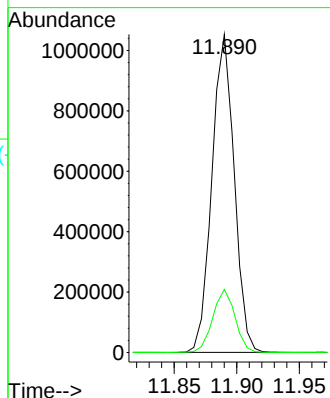
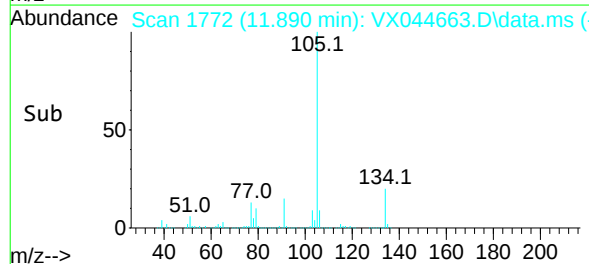
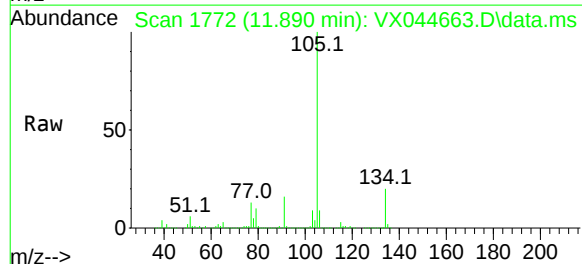
105 100

134 19.8 0.0 39.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#82

p-Isopropyltoluene

Concen: 139.117 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

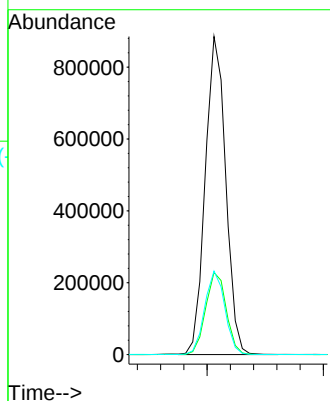
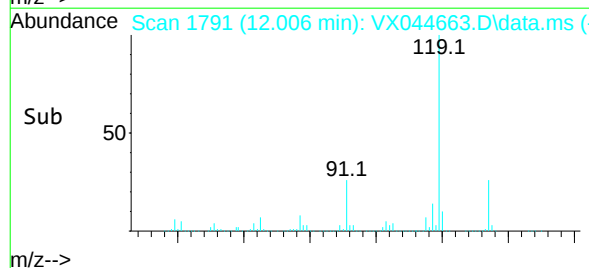
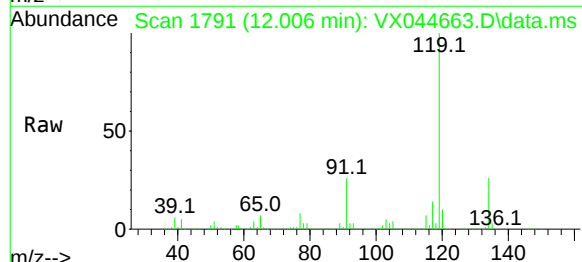
Tgt Ion:119 Resp: 1083858

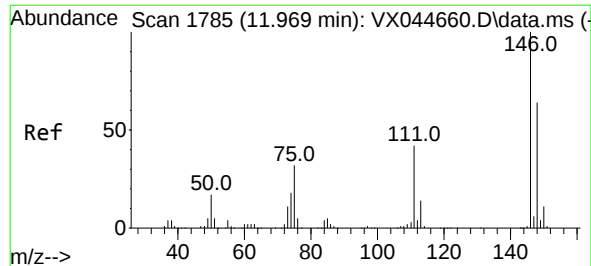
Ion Ratio Lower Upper

119 100

134 25.9 0.0 52.2

91 25.7 0.0 50.2





#83

1,3-Dichlorobenzene

Concen: 143.062 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 562506

Ion Ratio Lower Upper

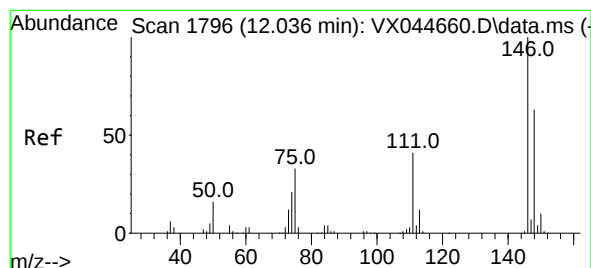
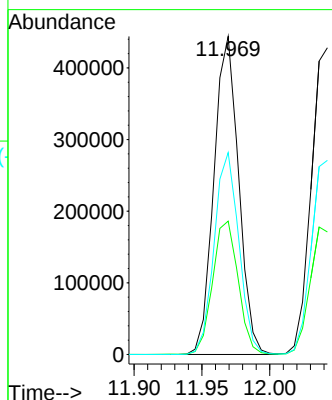
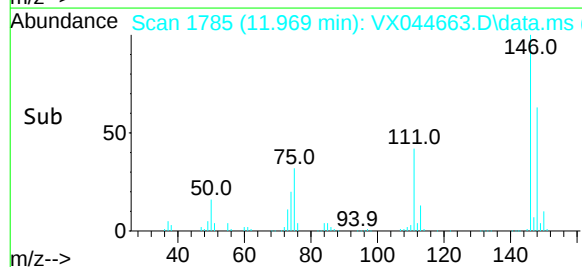
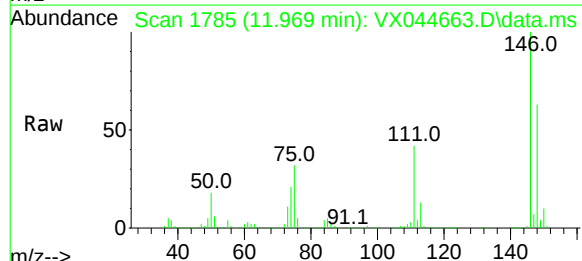
146 100

111 43.2 21.6 64.6

148 63.4 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#84

1,4-Dichlorobenzene

Concen: 143.387 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

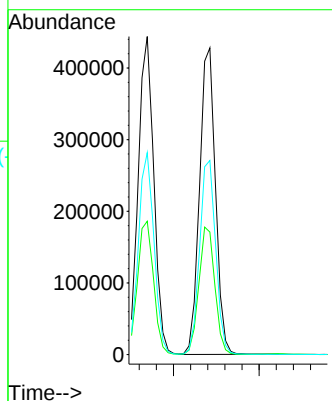
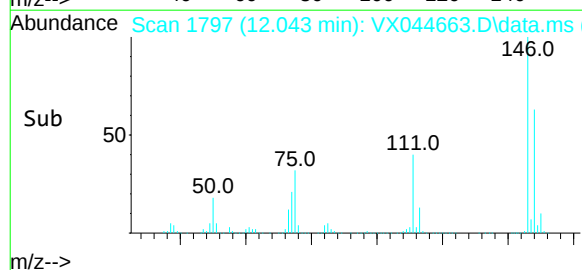
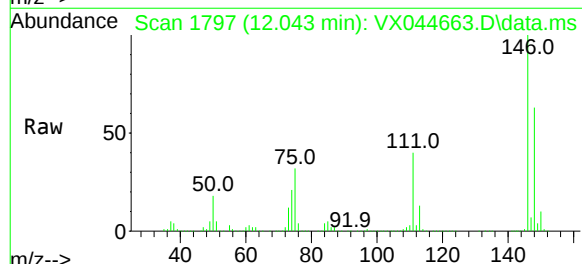
Tgt Ion:146 Resp: 552693

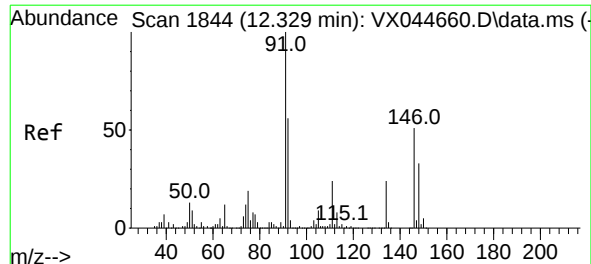
Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.5

148 64.0 32.1 96.5





#85

n-Butylbenzene

Concen: 145.585 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 983220

Ion Ratio Lower Upper

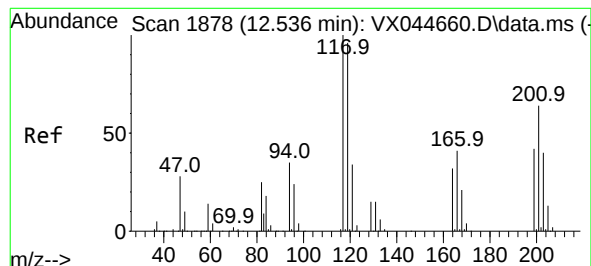
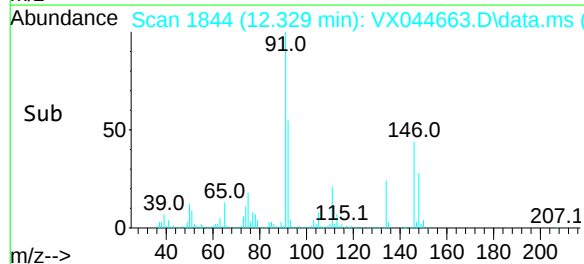
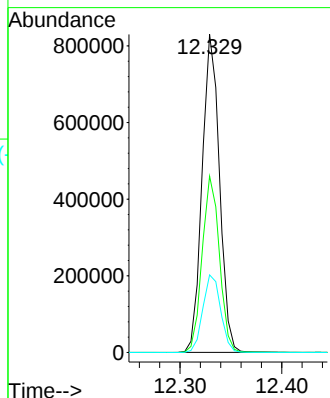
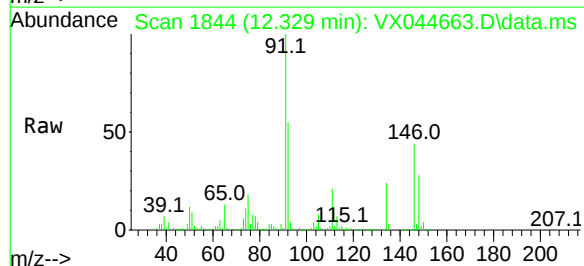
91 100

92 55.2 0.0 109.4

134 25.1 0.0 49.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#86

Hexachloroethane

Concen: 139.374 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044663.D

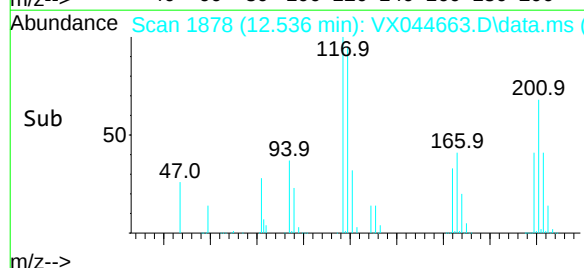
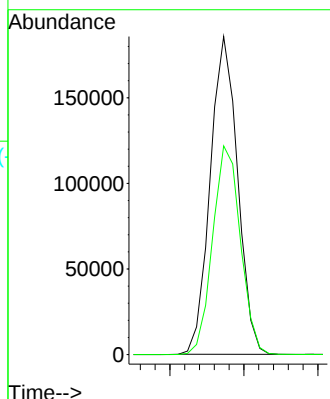
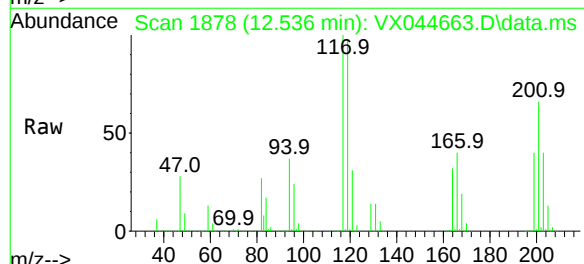
Acq: 16 Jan 2025 10:12

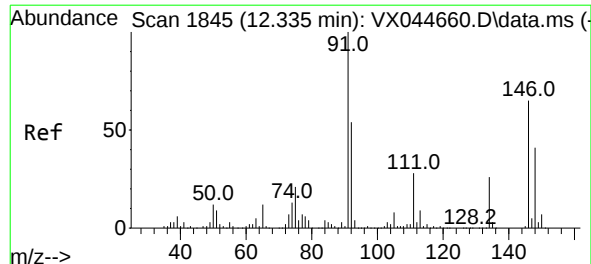
Tgt Ion:117 Resp: 238874

Ion Ratio Lower Upper

117 100

201 66.5 33.0 98.9





#87

1,2-Dichlorobenzene

Concen: 136.879 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 537434

Ion Ratio Lower Upper

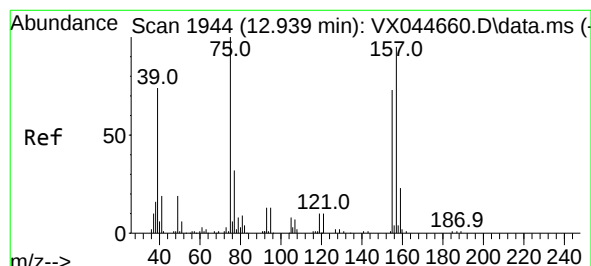
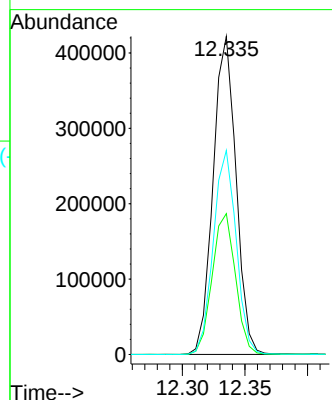
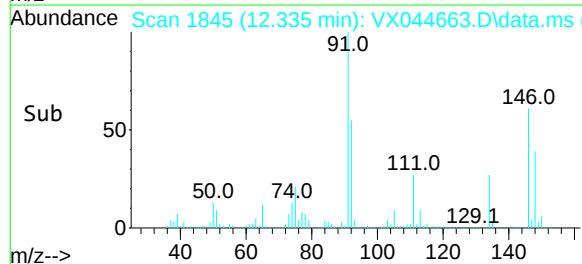
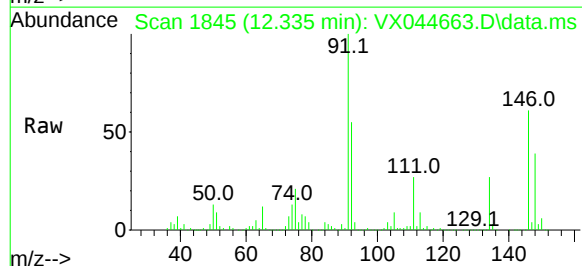
146 100

111 45.0 22.2 66.6

148 64.0 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#88

1,2-Dibromo-3-Chloropropane

Concen: 138.929 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

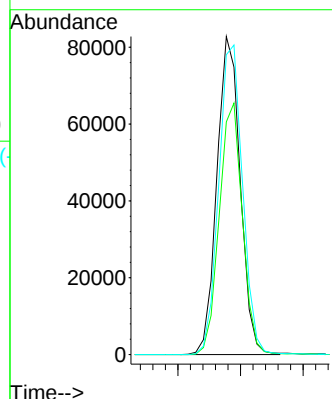
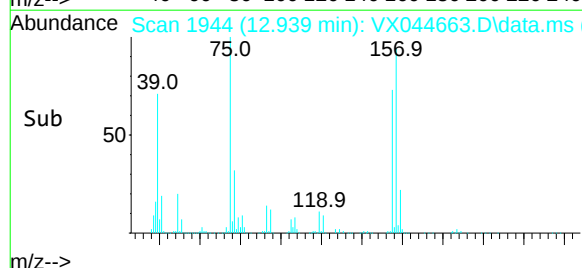
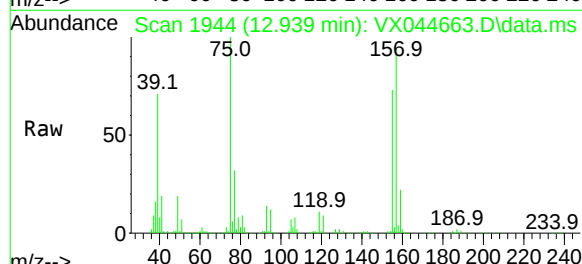
Tgt Ion: 75 Resp: 106892

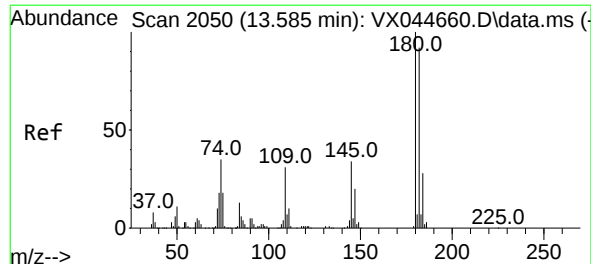
Ion Ratio Lower Upper

75 100

155 78.6 62.3 93.5

157 99.9 79.9 119.9





#89

1,2,4-Trichlorobenzene

Concen: 153.630 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044663.D

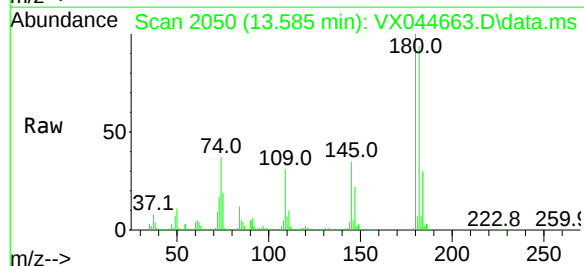
Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

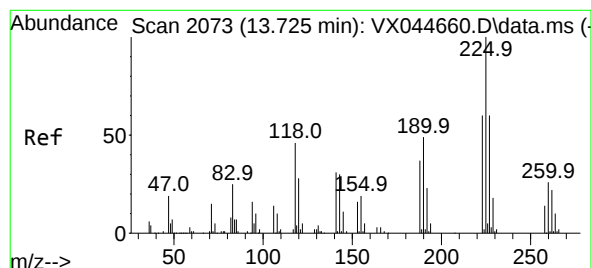
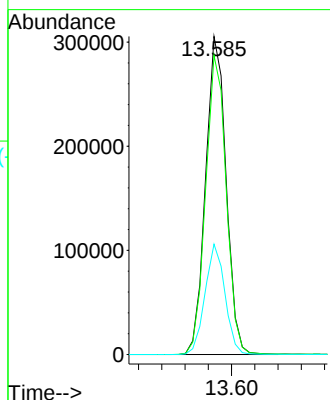
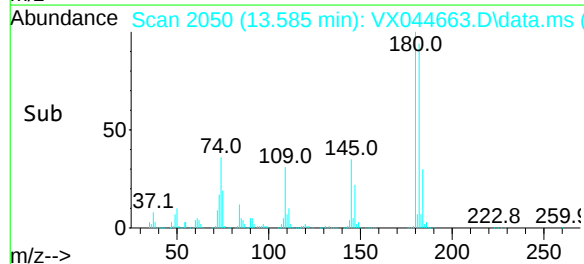


Tgt Ion:	180	Resp:	374862
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.6	113.4
145	33.6	26.6	40.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#90

Hexachlorobutadiene

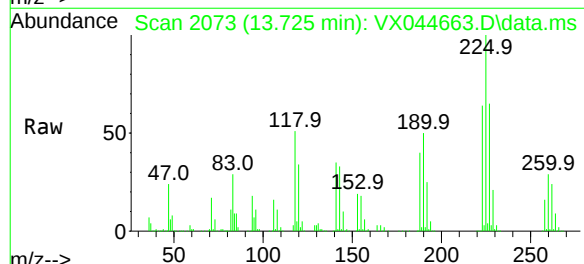
Concen: 146.704 ug/l

RT: 13.725 min Scan# 2073

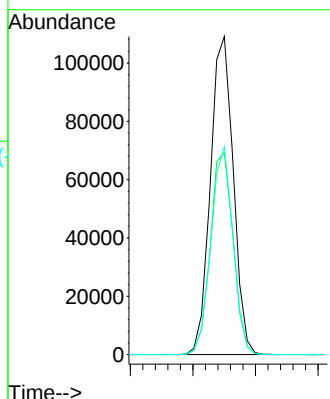
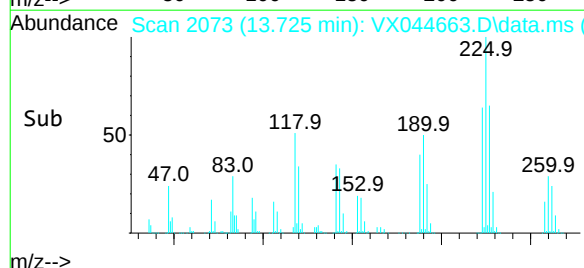
Delta R.T. 0.000 min

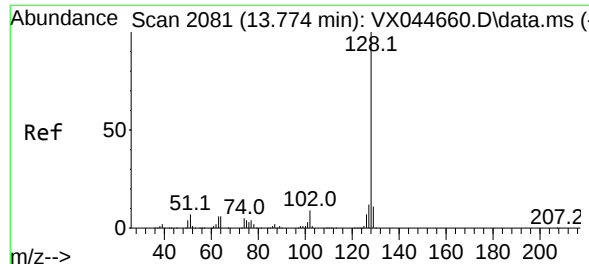
Lab File: VX044663.D

Acq: 16 Jan 2025 10:12



Tgt Ion:	225	Resp:	138461
Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	123.0
227	63.1	0.0	124.2





#91

Naphthalene

Concen: 144.994 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 1323609

Ion Ratio Lower Upper

128 100

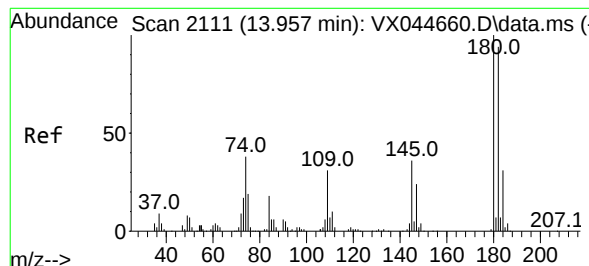
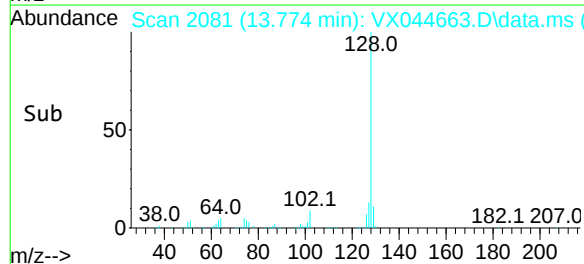
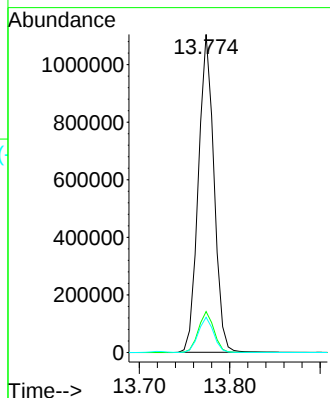
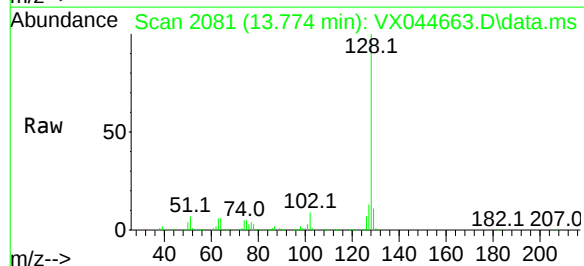
127 12.8 10.2 15.4

129 10.9 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#92

1,2,3-Trichlorobenzene

Concen: 149.840 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044663.D

Acq: 16 Jan 2025 10:12

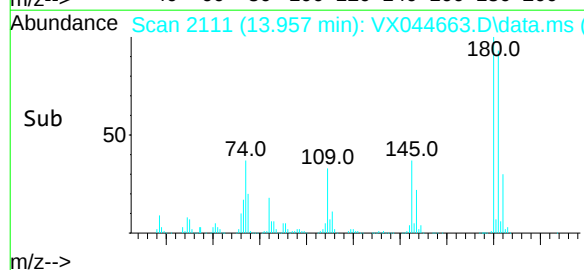
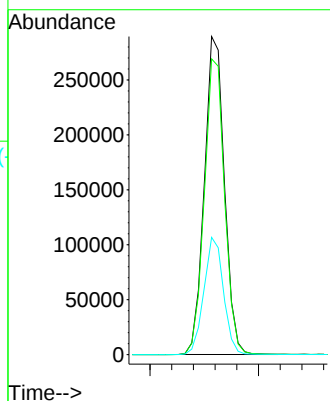
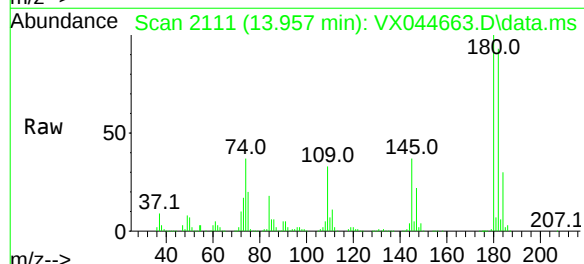
Tgt Ion:180 Resp: 371865

Ion Ratio Lower Upper

180 100

182 93.7 0.0 187.8

145 36.0 0.0 69.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044665.D
 Acq On : 16 Jan 2025 11:45
 Operator :
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX011625

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:23:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.885	128	29298	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	160571	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	139330	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	84347	29.821	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.400%	
60) 4-Bromofluorobenzene	11.079	95	80701	29.820	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.400%	
63) Toluene-d8	8.641	98	232185	30.639	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	102.133%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	53424	20.509	ug/l	100
3) Chloromethane	1.295	50	52336	19.100	ug/l	98
4) Vinyl Chloride	1.374	62	54565	20.352	ug/l	96
5) Bromomethane	1.593	94	12546	19.362	ug/l	96
6) Chloroethane	1.660	64	8061	18.963	ug/l	90
7) Trichlorofluoromethane	1.868	101	62375	21.244	ug/l	98
8) Diethyl Ether	2.130	74	23504	20.751	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	45499	21.630	ug/l	97
10) 1,1-Dichloroethene	2.307	96	44362	20.500	ug/l	94
11) Methyl Iodide	2.441	142	59655	19.893	ug/l	99
12) Methyl Acetate	2.703	43	66878	21.168	ug/l	99
13) Acrolein	2.233	56	35040	100.289	ug/l	95
14) Acrylonitrile	3.063	53	122153	106.105	ug/l	99
15) Acetone	2.380	58	35259	114.138	ug/l	96
16) Carbon Disulfide	2.502	76	124187	20.650	ug/l	98
17) Allyl chloride	2.654	41	81222	20.812	ug/l	98
18) Methylene Chloride	2.782	84	47896	19.777	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	44022	20.458	ug/l	98
20) Diisopropyl ether	3.751	45	149298	21.077	ug/l	91
21) 1,1-Dichloroethane	3.599	63	86579	20.604	ug/l	97
22) cis-1,2-Dichloroethene	4.477	96	54227	20.361	ug/l	97
23) tert-Butyl Alcohol	2.977	59	58148m	104.428	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	154776	20.642	ug/l	100
25) Chloroform	5.087	83	85547	20.489	ug/l	100
26) Cyclohexane	5.452	56	75766	21.454	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	58948	21.106	ug/l	98
30) 2-Butanone	4.550	43	164211	107.032	ug/l	99
31) 2,2-Dichloropropane	4.459	77	80657	20.869	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	75959	20.522	ug/l	98
33) Carbon Tetrachloride	5.666	117	65248	20.898	ug/l	98
34) Benzene	6.025	78	186228	20.899	ug/l	99
35) Methacrylonitrile	4.916	41	35936	20.958	ug/l	97
36) 1,2-Dichloroethane	6.074	62	65234	20.476	ug/l	99
37) Trichloroethene	7.117	130	44428	20.651	ug/l	96
38) Methylcyclohexane	7.367	83	82917	21.851	ug/l	99
39) 1,2-Dichloropropane	7.421	63	46323	20.847	ug/l	99
40) Dibromomethane	7.574	93	33792	20.456	ug/l	98
41) Bromodichloromethane	7.812	83	69184	20.283	ug/l	99
42) Vinyl Acetate	3.715	43	653209	107.208	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044665.D
 Acq On : 16 Jan 2025 11:45
 Operator :
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX011625

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:23:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	63189	20.996	ug/l	# 94
44) Isopropyl Acetate	6.330	43	112593	20.825	ug/l	99
45) 1,4-Dioxane	7.665	88	20798	403.967	ug/l	98
46) Methyl methacrylate	7.690	41	52648	19.893	ug/l	97
47) n-amyl Acetate	10.842	43	94494	20.825	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	72357	20.098	ug/l	97
49) cis-1,3-Dichloropropene	8.360	75	78714	20.389	ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	44166	20.759	ug/l	96
51) Ethyl methacrylate	9.116	69	75458	20.416	ug/l	99
52) 1,3-Dichloropropane	9.305	76	75839	20.610	ug/l	99
53) Dibromochloromethane	9.519	129	50936	20.035	ug/l	97
54) 1,2-Dibromoethane	9.604	107	46228	20.554	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	186582	104.044	ug/l	99
56) Bromoform	10.799	173	33539	19.895	ug/l	99
58) 4-Methyl-2-Pentanone	8.568	43	319324	108.729	ug/l	100
59) 2-Hexanone	9.427	43	234903	109.252	ug/l	100
61) Tetrachloroethene	9.269	164	34875	20.867	ug/l	98
62) Toluene	8.714	91	189672	20.674	ug/l	98
64) Chlorobenzene	10.073	112	116597	20.464	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	42670	20.848	ug/l	99
66) Ethyl Benzene	10.189	91	208544	20.829	ug/l	99
67) m/p-Xylenes	10.299	106	155664	42.296	ug/l	99
68) o-Xylene	10.640	106	78615	21.283	ug/l	98
69) Styrene	10.653	104	128207	21.140	ug/l	99
70) Isopropylbenzene	10.957	105	195561	21.060	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	67246	21.542	ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	56182m	21.393	ug/l	
73) Bromobenzene	11.195	156	44149	20.409	ug/l	99
74) n-propylbenzene	11.299	91	222144	21.062	ug/l	100
75) 2-Chlorotoluene	11.360	91	141333	21.314	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	158538	21.023	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	25324	20.382	ug/l	100
78) 4-Chlorotoluene	11.451	91	151852	20.783	ug/l	99
79) tert-butylbenzene	11.713	119	164869	21.282	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	159250	20.931	ug/l	99
81) sec-Butylbenzene	11.890	105	198156	21.421	ug/l	99
82) p-Isopropyltoluene	12.006	119	159684	20.974	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	79203	20.613	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	78388	20.811	ug/l	99
85) n-Butylbenzene	12.329	91	137083	20.771	ug/l	99
86) Hexachloroethane	12.536	117	34558	20.633	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	81365	21.206	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	15325	20.383	ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	47882	20.081	ug/l	99
90) Hexachlorobutadiene	13.725	225	18952	20.548	ug/l	97
91) Naphthalene	13.774	128	188608	21.143	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	48948	20.183	ug/l	100

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

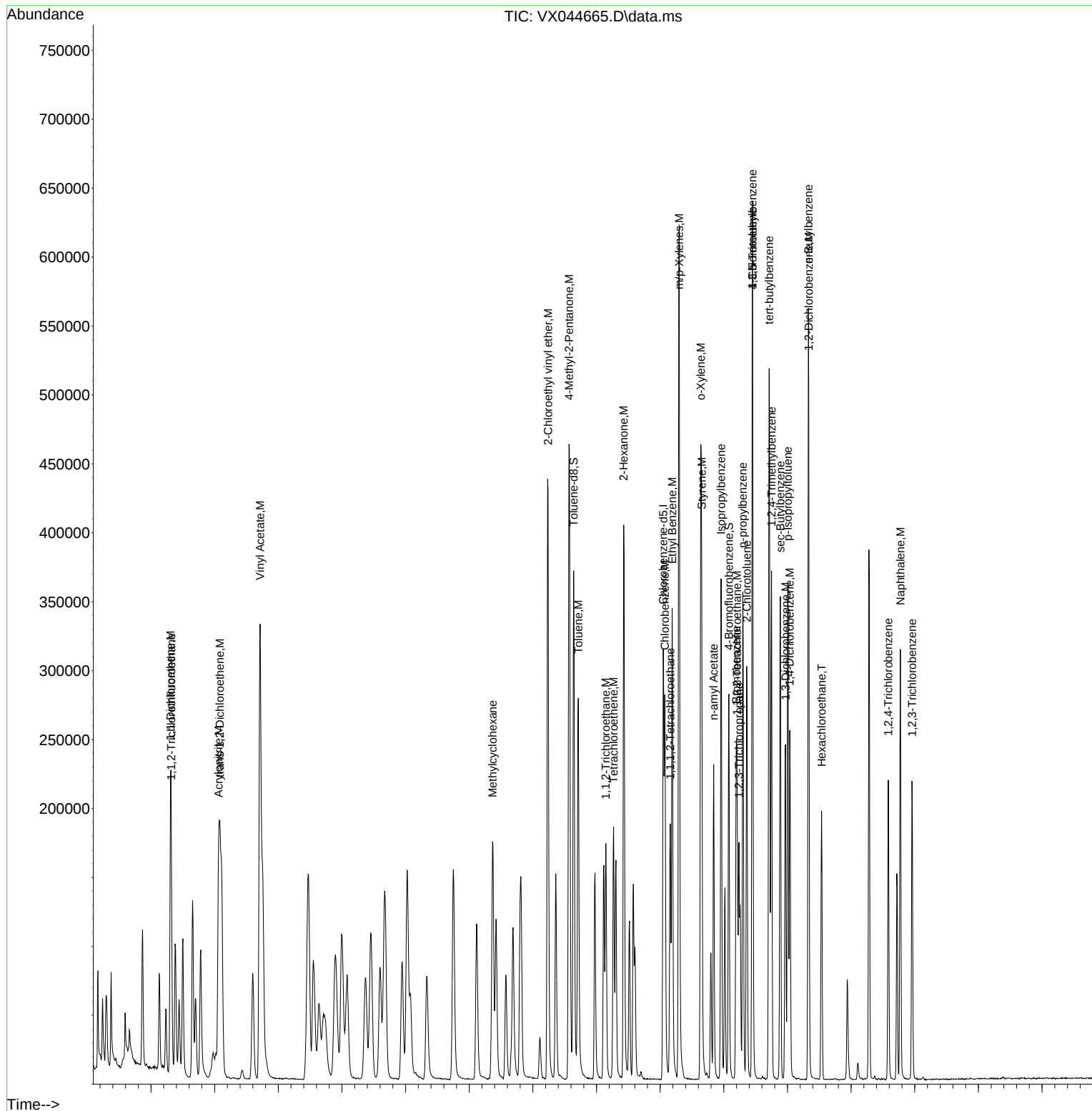
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Data File : VX044665.D
Acq On : 16 Jan 2025 11:45
Operator :
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

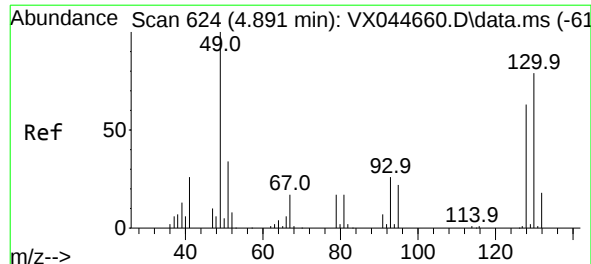
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011625

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

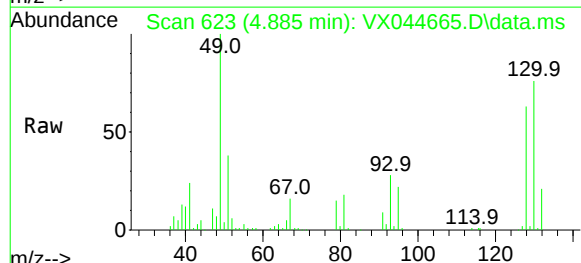
Quant Time: Jan 17 01:23:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.885 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX044665.D
Acq: 16 Jan 2025 11:45

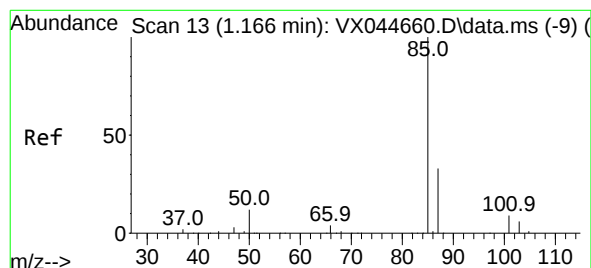
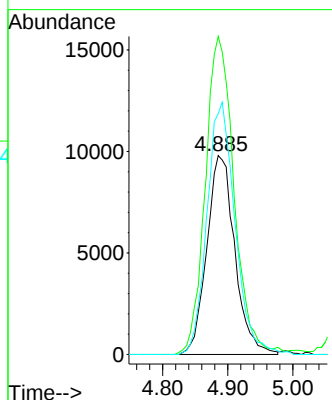
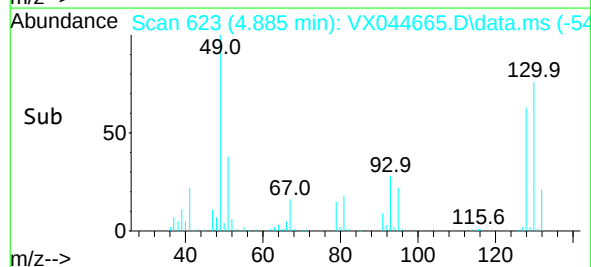
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011625



Tgt Ion: 128 Resp: 29298
Ion Ratio Lower Upper
128 100
49 162.9 0.0 411.5
130 126.8 0.0 324.3

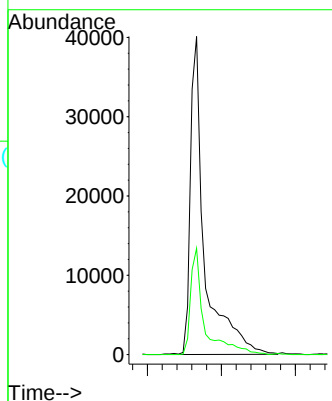
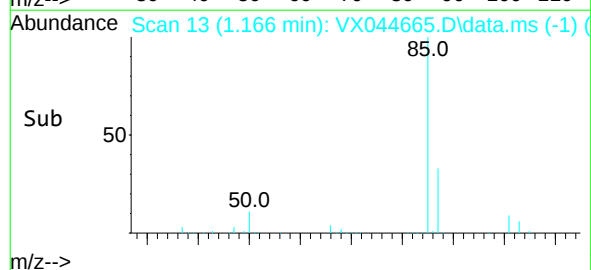
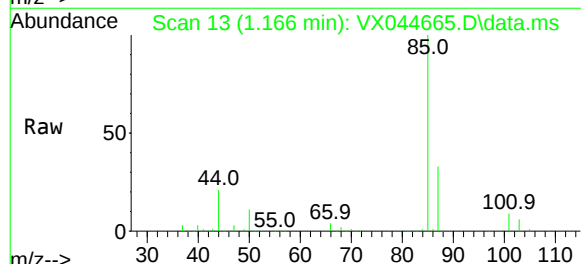
Manual Integrations
APPROVED

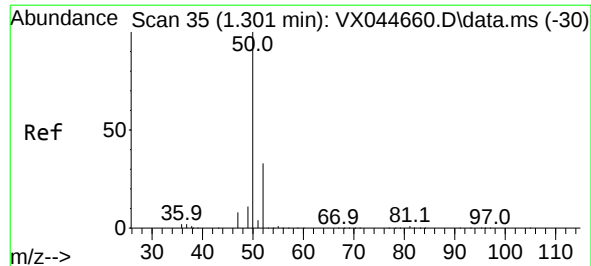
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#2
Dichlorodifluoromethane
Concen: 20.509 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044665.D
Acq: 16 Jan 2025 11:45

Tgt Ion: 85 Resp: 53424
Ion Ratio Lower Upper
85 100
87 33.5 16.6 49.8





#3

Chloromethane

Concen: 19.100 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion: 50 Resp: 52336

Ion Ratio Lower Upper

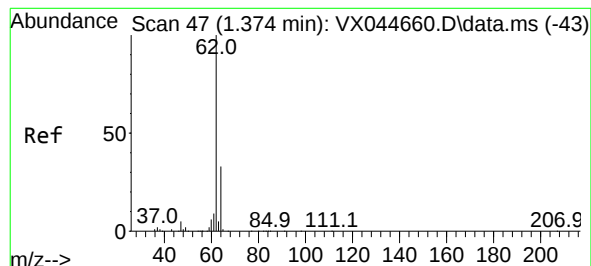
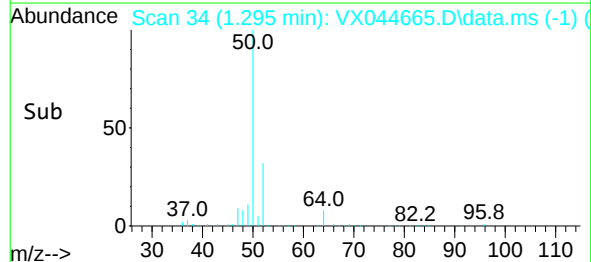
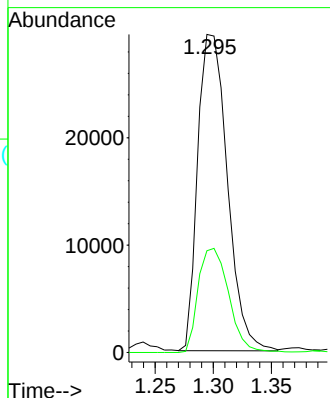
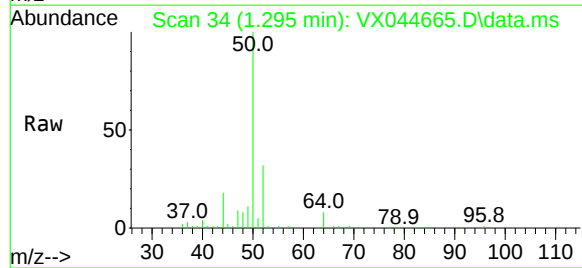
50 100

52 32.2 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#4

Vinyl Chloride

Concen: 20.352 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX044665.D

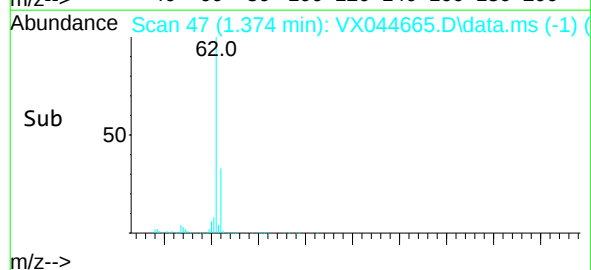
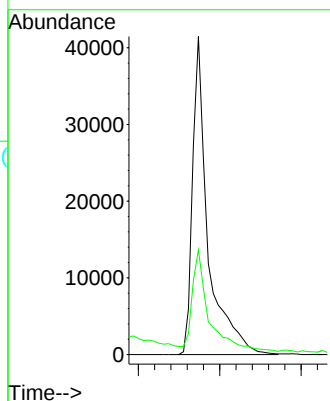
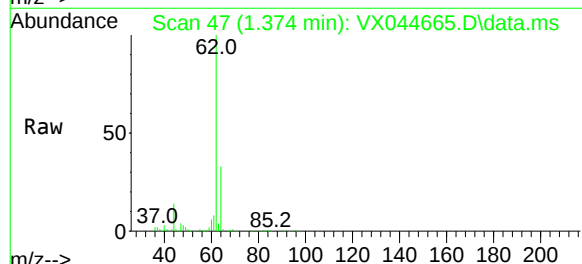
Acq: 16 Jan 2025 11:45

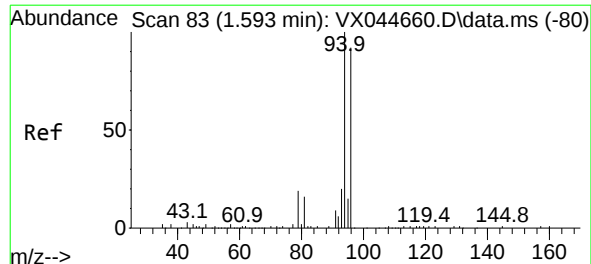
Tgt Ion: 62 Resp: 54565

Ion Ratio Lower Upper

62 100

64 32.0 27.3 40.9





#5

Bromomethane

Concen: 19.362 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion: 94 Resp: 12546

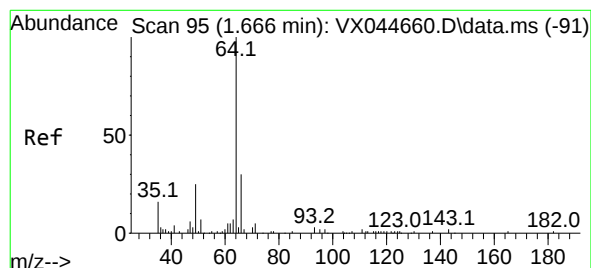
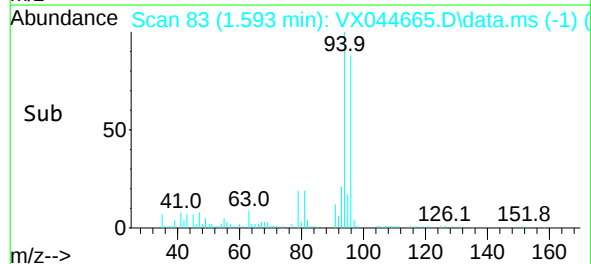
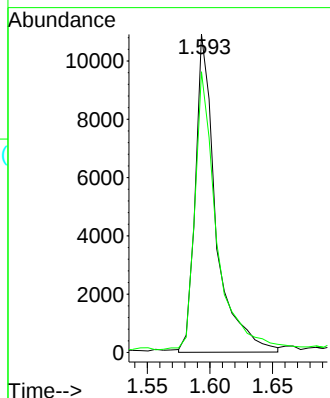
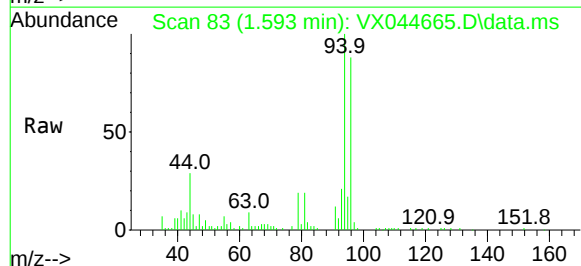
Ion Ratio Lower Upper

94 100

96 87.6 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#6

Chloroethane

Concen: 18.963 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.006 min

Lab File: VX044665.D

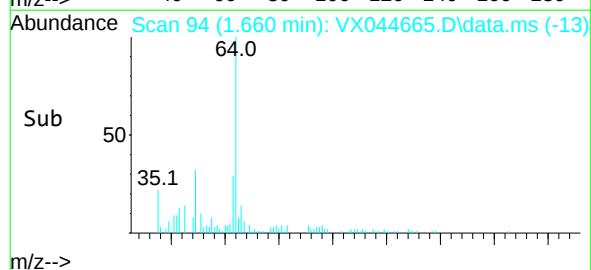
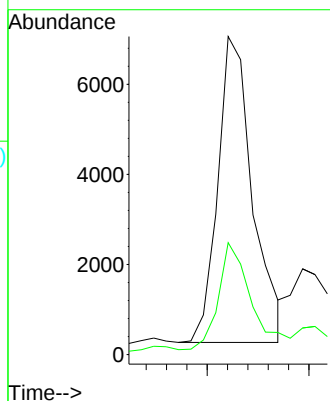
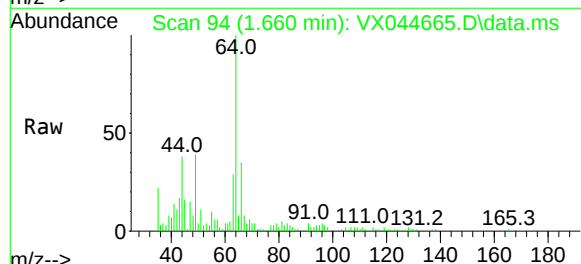
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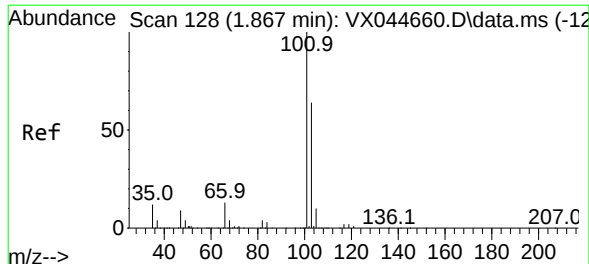
Tgt Ion: 64 Resp: 8061

Ion Ratio Lower Upper

64 100

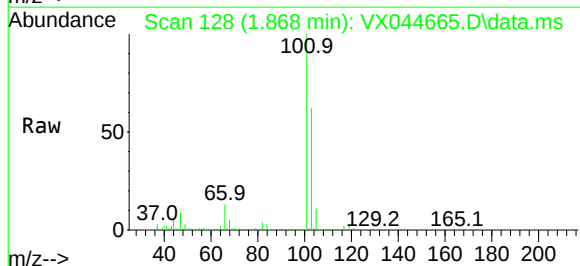
66 35.0 23.8 35.6





#7
Trichlorofluoromethane
Concen: 21.244 ug/l
RT: 1.868 min Scan# 128
Delta R.T. 0.000 min
Lab File: VX044665.D
Acq: 16 Jan 2025 11:45

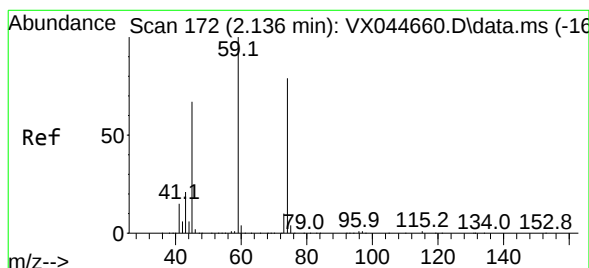
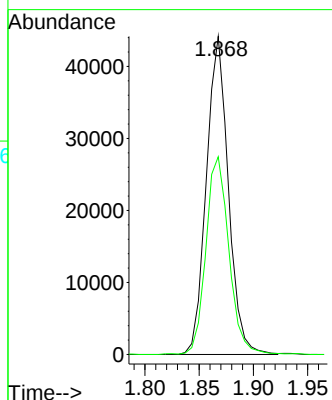
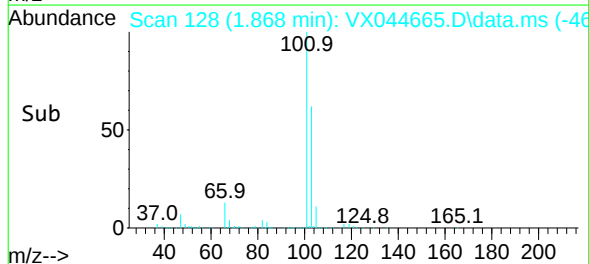
Instrument :
MSVOA_X
ClientSampleId :
ICVVX011625



Tgt Ion: 101 Resp: 62375
Ion Ratio Lower Upper
101 100
103 62.0 51.1 76.7

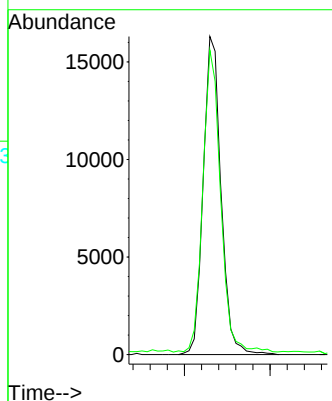
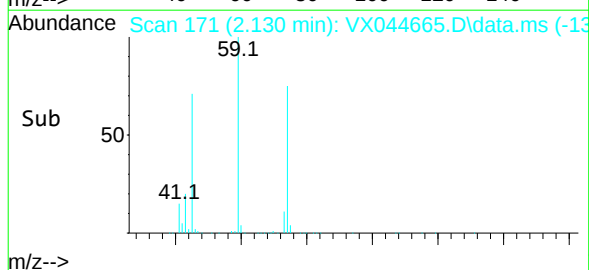
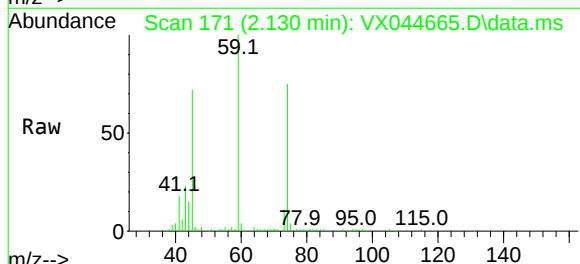
Manual Integrations
APPROVED

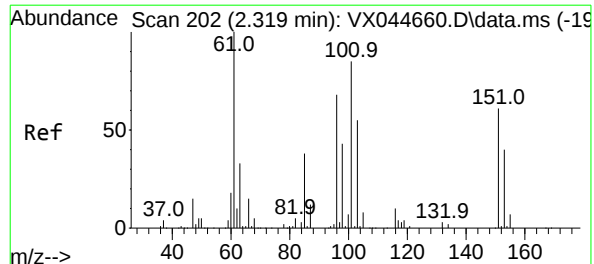
Reviewed By : Mahesh Dadoda 01/17/2025
Supervised By : Semsettin Yesilyurt 01/17/2025



#8
Diethyl Ether
Concen: 20.751 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044665.D
Acq: 16 Jan 2025 11:45

Tgt Ion: 74 Resp: 23504
Ion Ratio Lower Upper
74 100
45 94.3 18.8 168.8





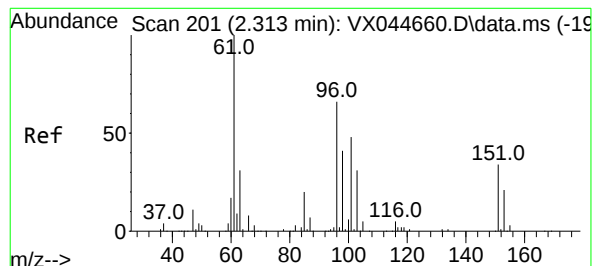
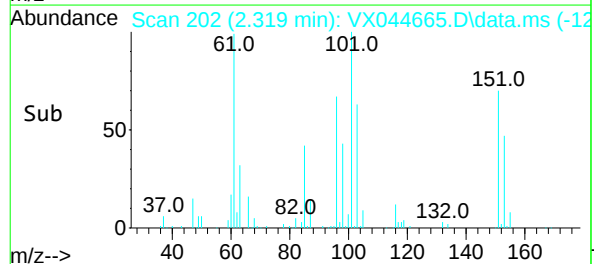
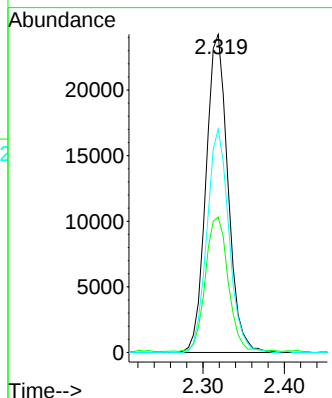
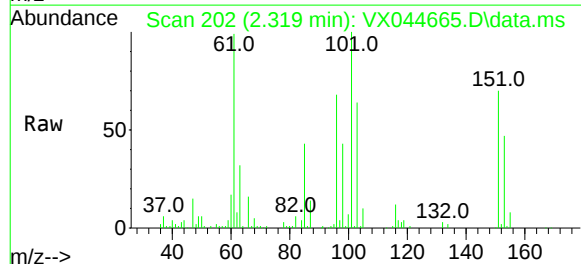
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1,1,2-Trichlorotrifluoroethane
Concen: 21.630 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044665.D
Acq: 16 Jan 2025 11:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011625

Tgt Ion: 101 Resp: 45499
Ion Ratio Lower Upper
101 100
85 43.2 0.0 88.0
151 70.4 0.0 147.0

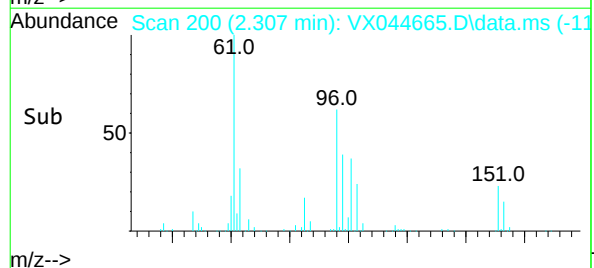
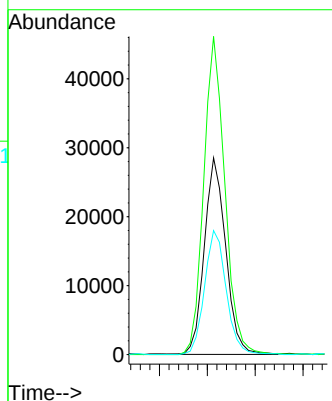
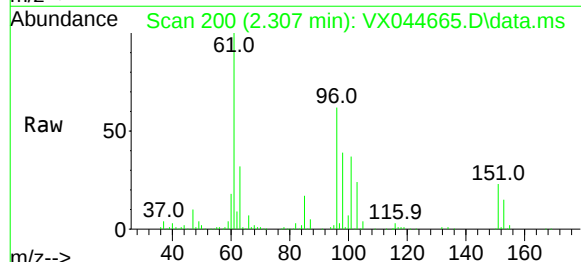
Manual Integrations
APPROVED

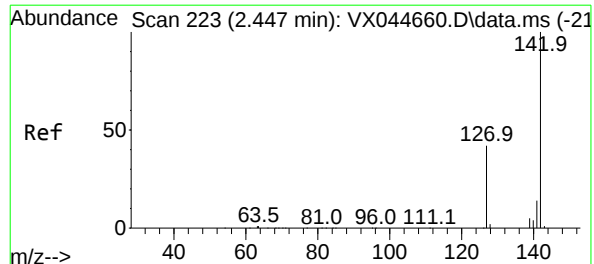
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#10
1,1-Dichloroethene
Concen: 20.500 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044665.D
Acq: 16 Jan 2025 11:45

Tgt Ion: 96 Resp: 44362
Ion Ratio Lower Upper
96 100
61 162.2 121.6 182.4
98 63.2 50.3 75.5





#11

Methyl Iodide

Concen: 19.893 ug/l

RT: 2.441 min Scan# 223

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

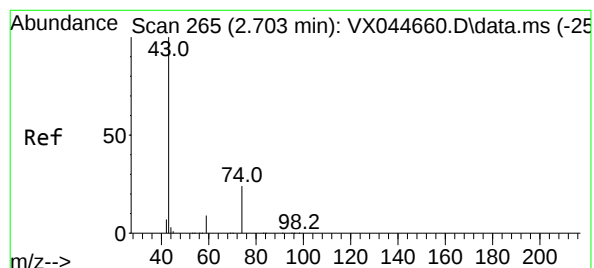
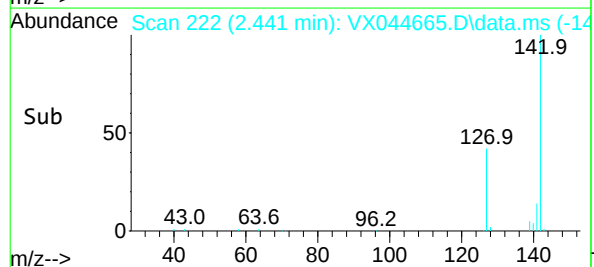
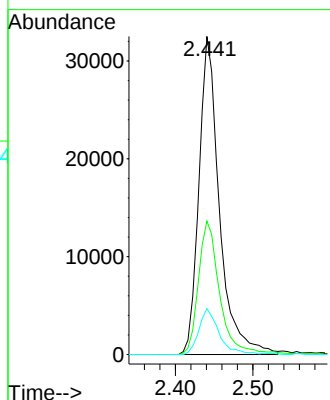
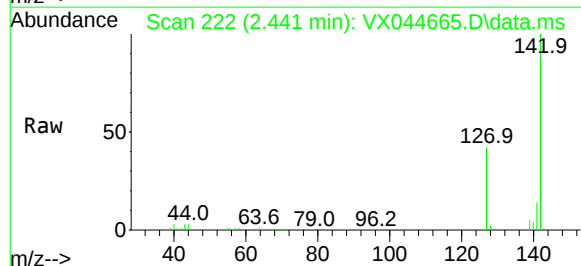
ClientSampleId :

ICVX011625

Tgt Ion:	142	Resp:	59655
Ion	Ratio	Lower	Upper
142	100		
127	41.9	20.8	62.4
141	14.4	7.0	20.9

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#12

Methyl Acetate

Concen: 21.168 ug/l

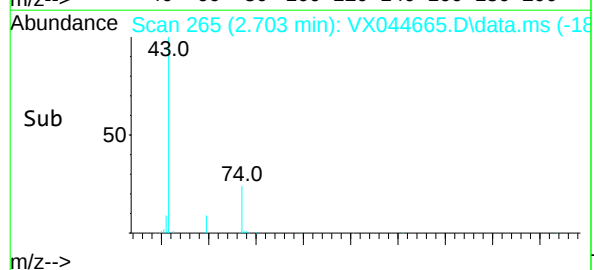
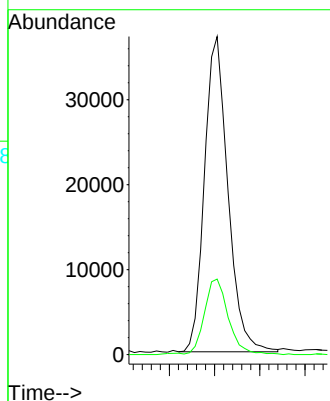
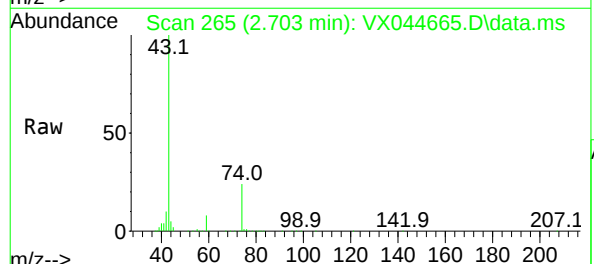
RT: 2.703 min Scan# 265

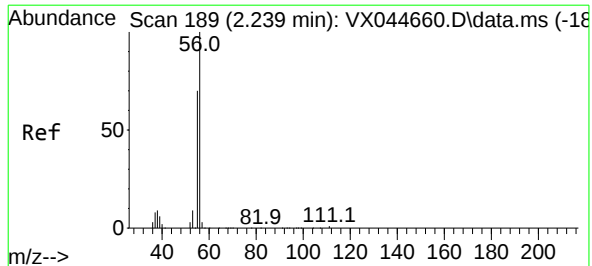
Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Tgt Ion:	43	Resp:	66878
Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





#13

Acrolein

Concen: 100.289 ug/l

RT: 2.233 min Scan# 189

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion: 56 Resp: 35040

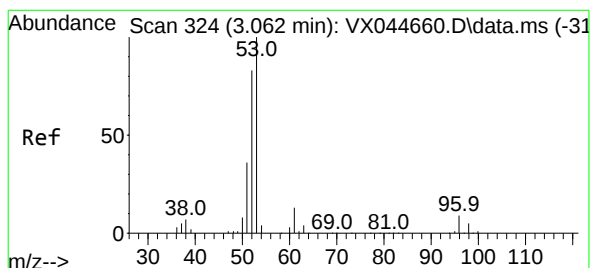
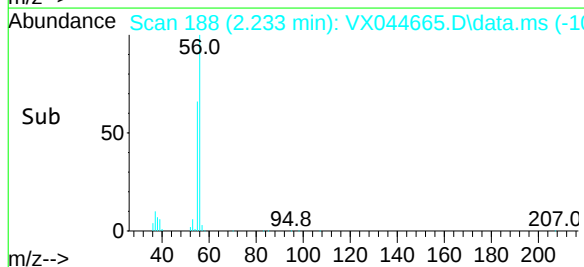
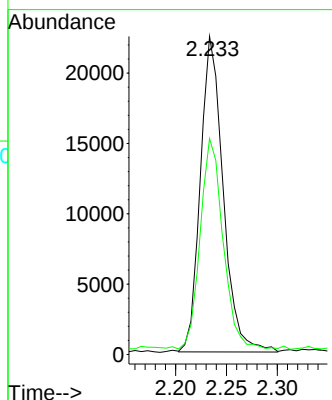
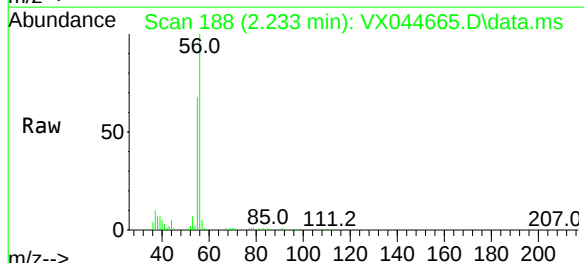
Ion Ratio Lower Upper

56 100

55 67.6 57.5 86.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#14

Acrylonitrile

Concen: 106.105 ug/l

RT: 3.063 min Scan# 324

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

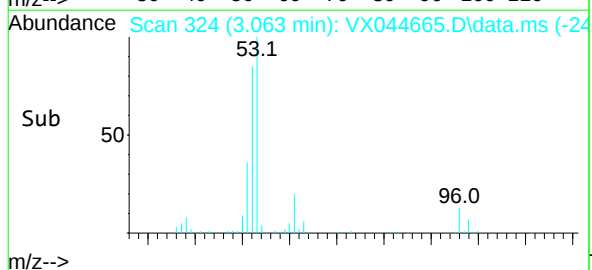
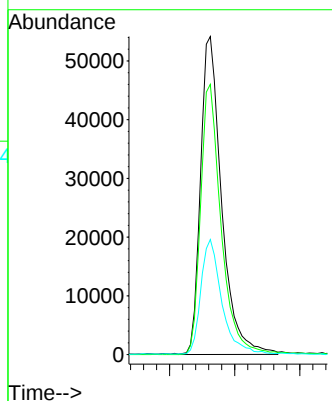
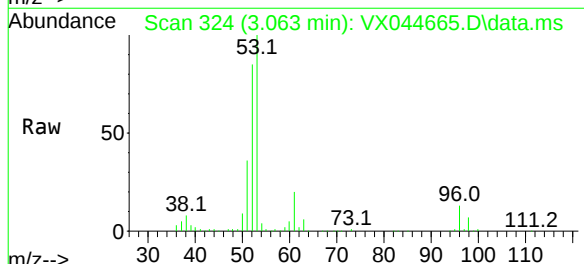
Tgt Ion: 53 Resp: 122153

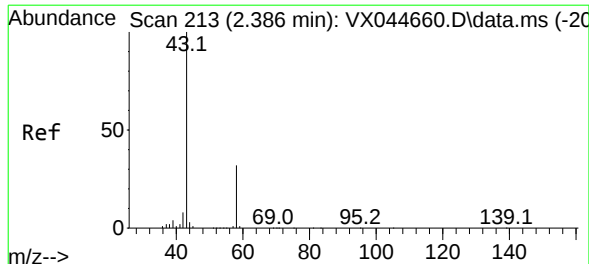
Ion Ratio Lower Upper

53 100

52 82.0 41.4 124.2

51 35.3 18.1 54.4





#15

Acetone

Concen: 114.138 ug/l

RT: 2.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion: 58 Resp: 35259

Ion Ratio Lower Upper

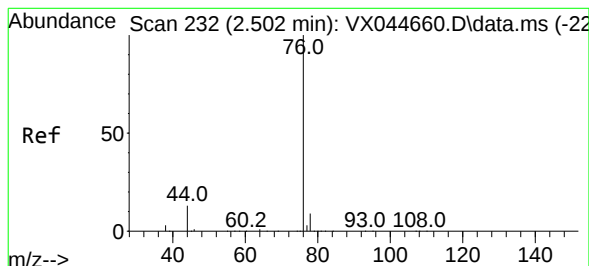
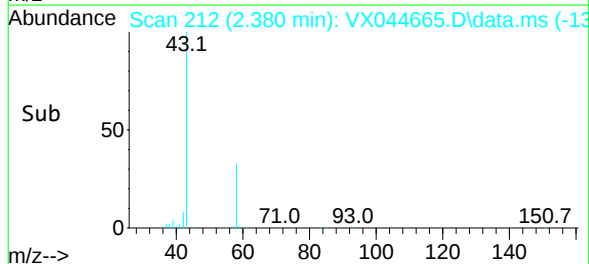
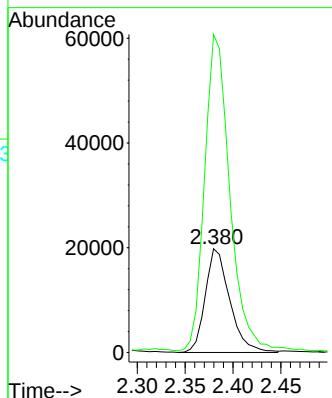
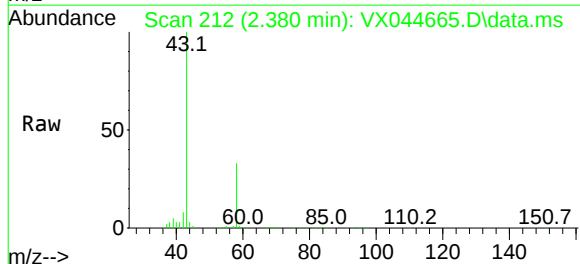
58 100

43 305.0 251.0 376.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#16

Carbon Disulfide

Concen: 20.650 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX044665.D

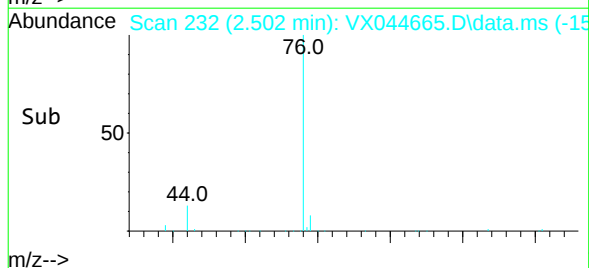
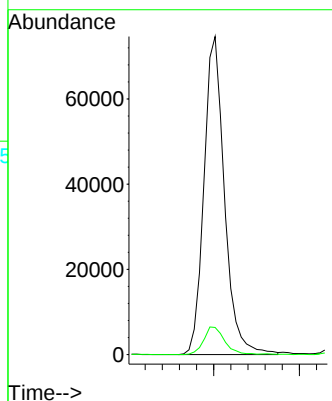
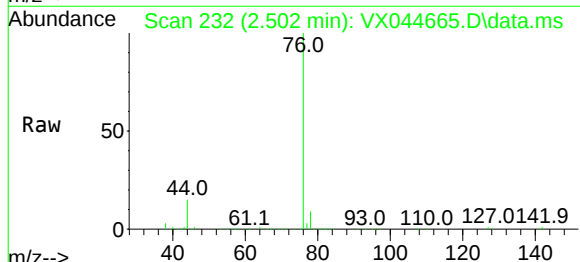
Acq: 16 Jan 2025 11:45

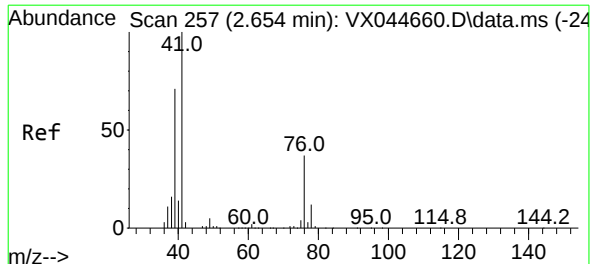
Tgt Ion: 76 Resp: 124187

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9





#17

Allyl chloride

Concen: 20.812 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

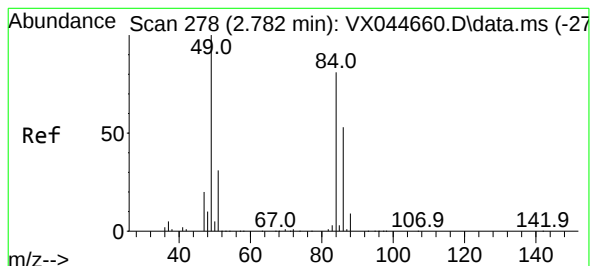
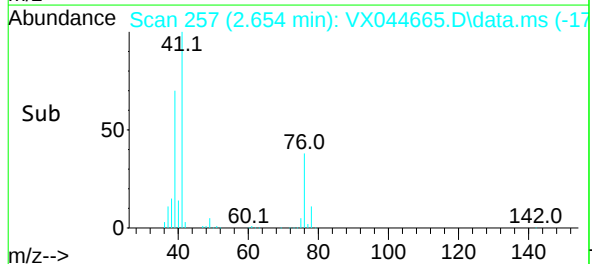
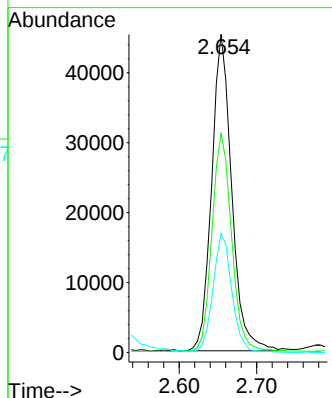
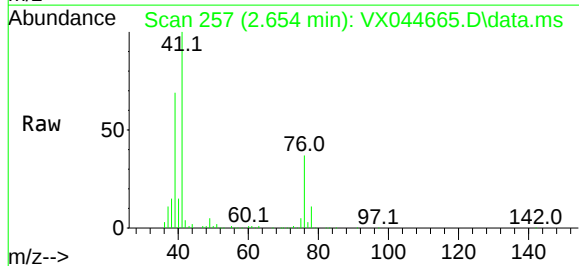
ClientSampleId :

ICVVX011625

Tgt Ion:	41	Resp:	81222
Ion	Ratio	Lower	Upper
41	100		
39	68.8	35.6	106.8
76	37.5	18.9	56.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#18

Methylene Chloride

Concen: 19.777 ug/l

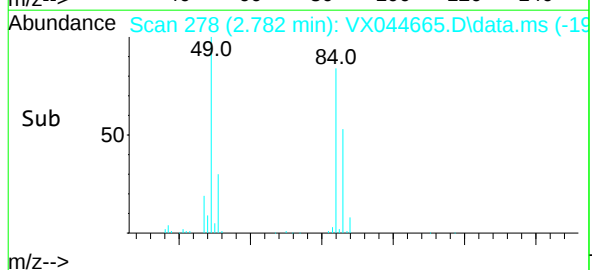
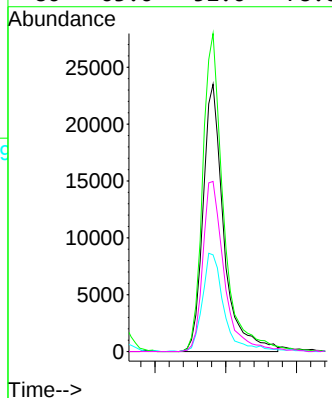
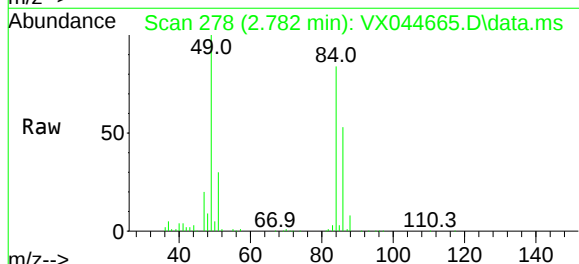
RT: 2.782 min Scan# 278

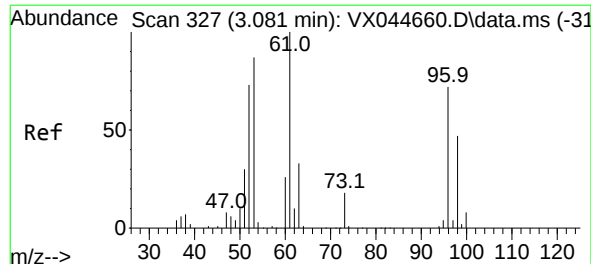
Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Tgt Ion:	84	Resp:	47896
Ion	Ratio	Lower	Upper
84	100		
49	119.0	98.3	147.5
51	36.2	30.6	46.0
86	63.6	52.6	78.8





#19

trans-1,2-Dichloroethene

Concen: 20.458 ug/l

RT: 3.081 min Scan# 32

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion: 96 Resp: 44022

Ion Ratio Lower Upper

96 100

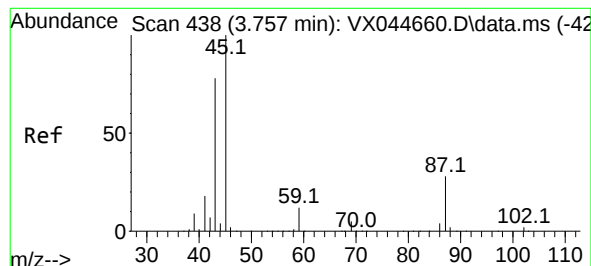
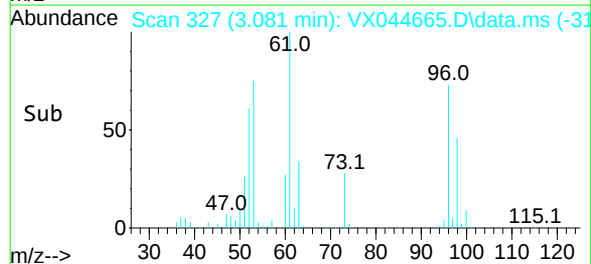
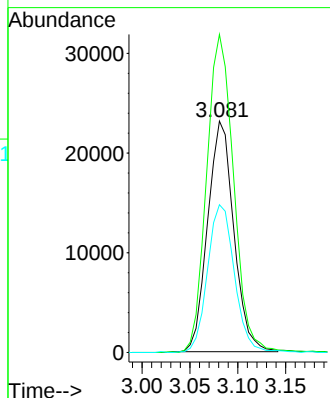
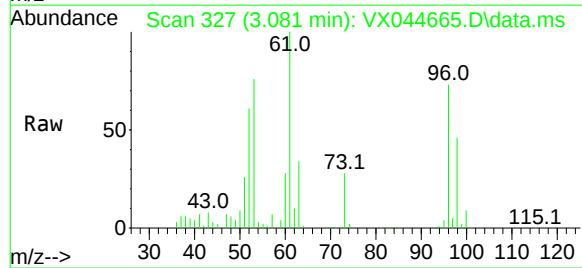
61 137.9 111.5 167.3

98 63.8 52.6 79.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#20

Diisopropyl ether

Concen: 21.077 ug/l

RT: 3.751 min Scan# 437

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Tgt Ion: 45 Resp: 149298

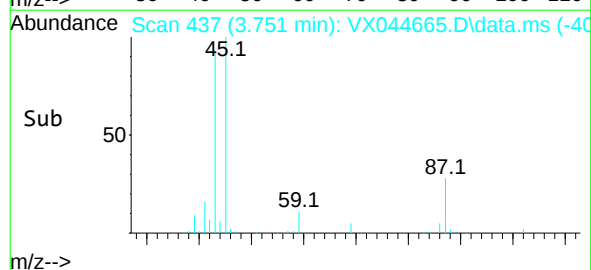
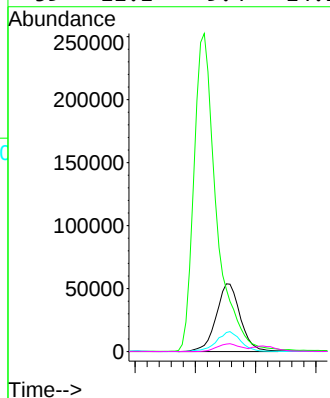
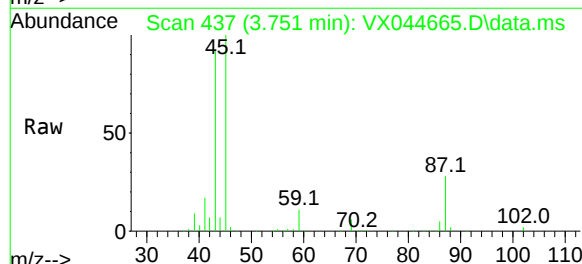
Ion Ratio Lower Upper

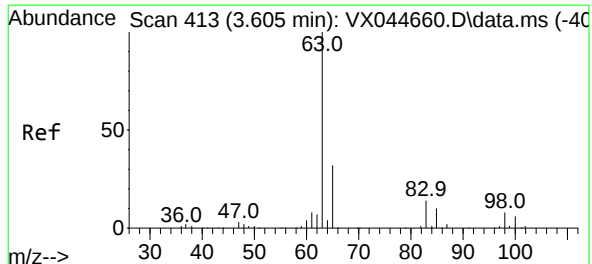
45 100

43 90.3 62.6 94.0

87 28.2 22.7 34.1

59 11.1 9.4 14.2





#21

1,1-Dichloroethane

Concen: 20.604 ug/l

RT: 3.599 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

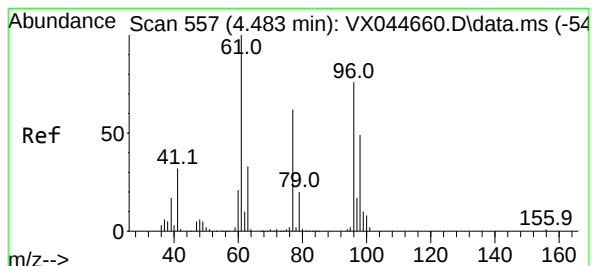
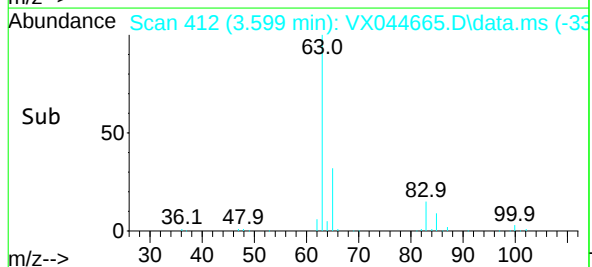
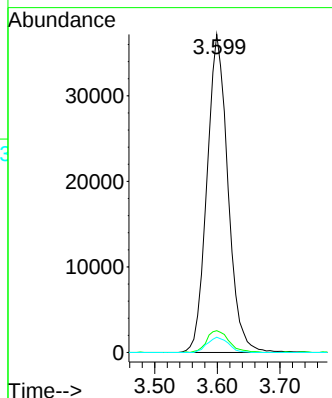
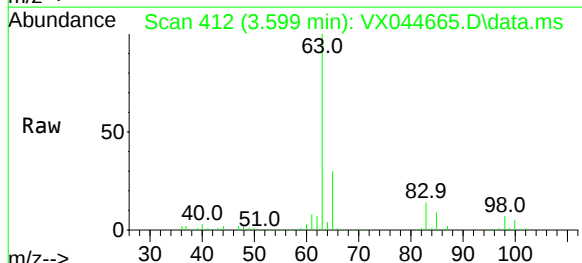
ClientSampleId :

ICVX011625

Tgt Ion:	63	Resp:	86579
Ion	Ratio	Lower	Upper
63	100		
98	6.9	4.0	11.9
100	4.8	2.8	8.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#22

cis-1,2-Dichloroethene

Concen: 20.361 ug/l

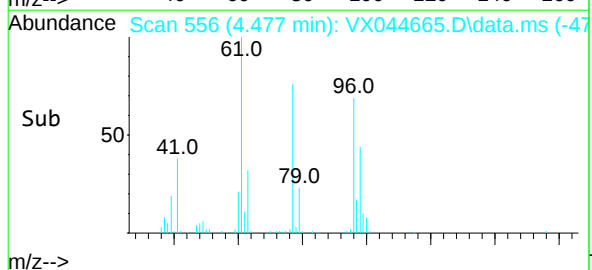
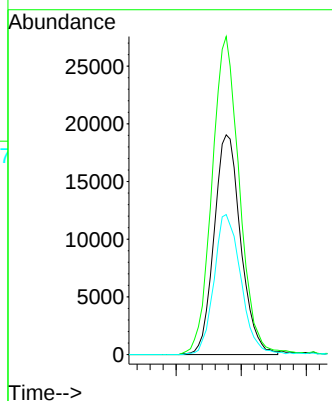
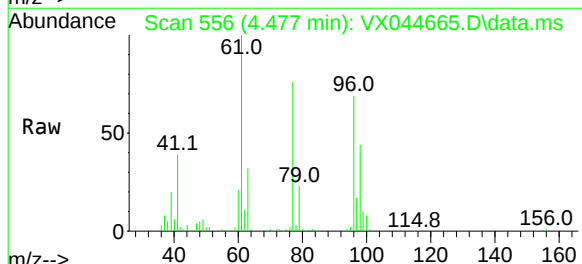
RT: 4.477 min Scan# 556

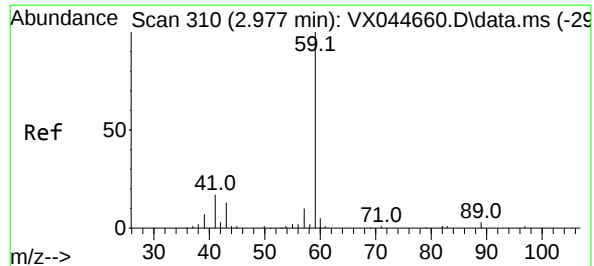
Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Tgt Ion:	96	Resp:	54227
Ion	Ratio	Lower	Upper
96	100		
61	148.9	115.2	172.8
98	64.1	51.8	77.6





#23

tert-Butyl Alcohol

Concen: 104.428 ug/l m

RT: 2.977 min Scan# 310

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion: 59 Resp: 58148

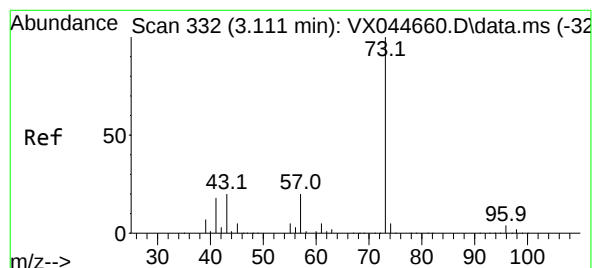
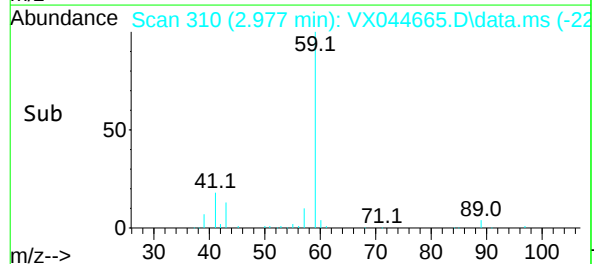
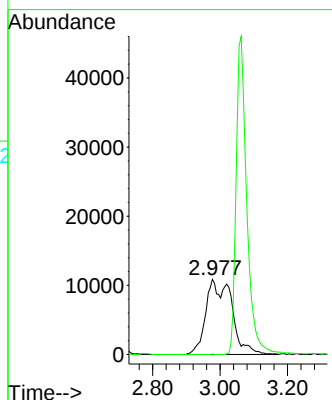
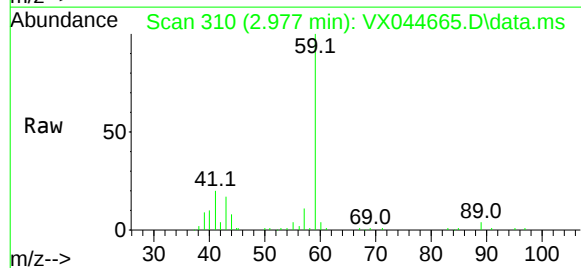
Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#24

Methyl tert-Butyl Ether

Concen: 20.642 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX044665.D

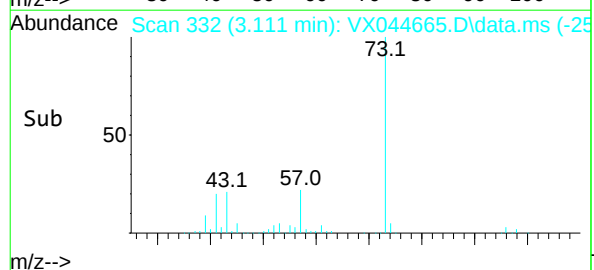
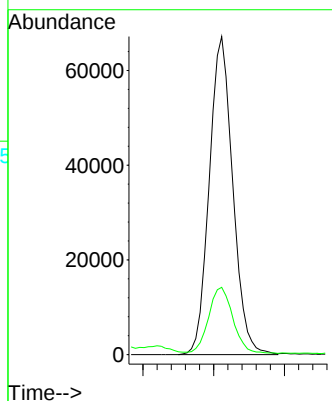
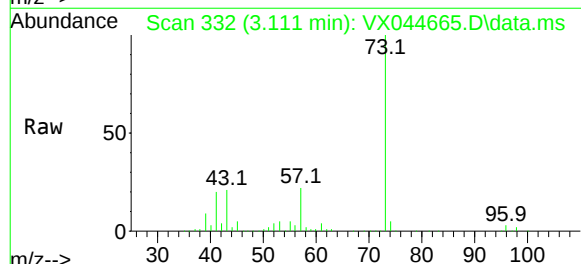
Acq: 16 Jan 2025 11:45

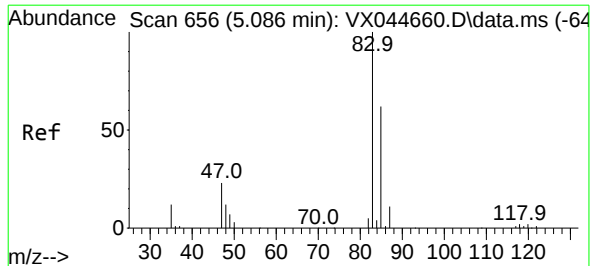
Tgt Ion: 73 Resp: 154776

Ion Ratio Lower Upper

73 100

43 21.0 16.9 25.3





#25

Chloroform

Concen: 20.489 ug/l

RT: 5.087 min Scan# 65

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion: 83 Resp: 85547

Ion Ratio Lower Upper

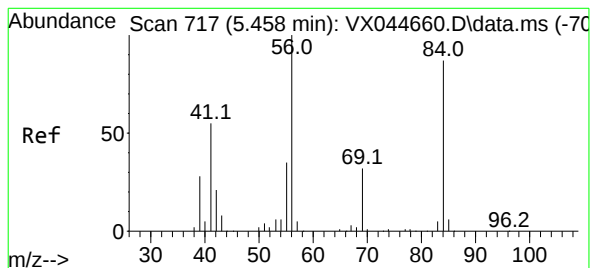
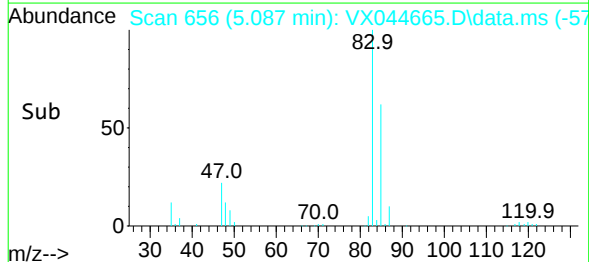
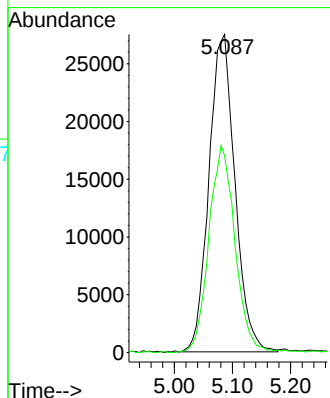
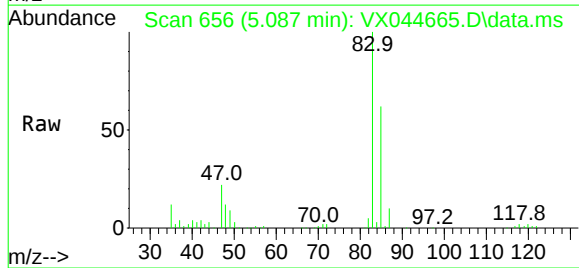
83 100

85 61.8 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#26

Cyclohexane

Concen: 21.454 ug/l

RT: 5.452 min Scan# 716

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

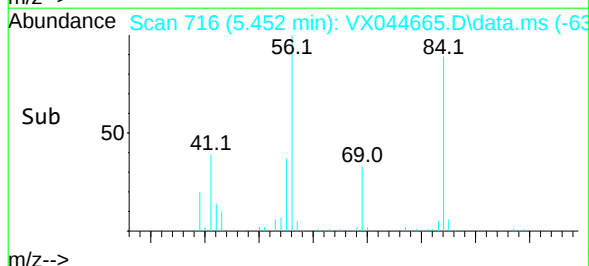
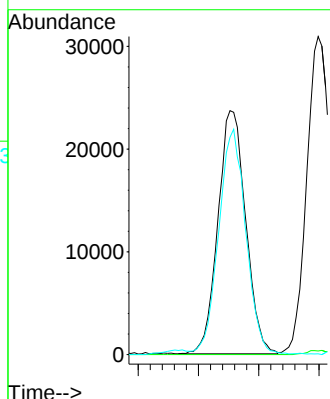
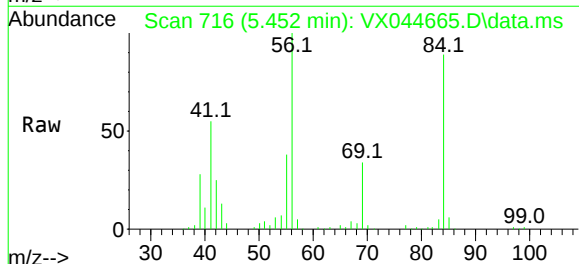
Tgt Ion: 56 Resp: 75766

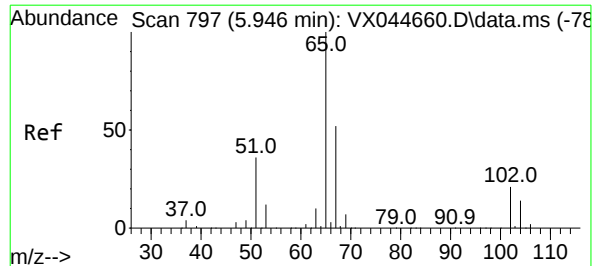
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 90.8 72.2 108.4





#27

1,2-Dichloroethane-d4

Concen: 29.821 ug/l

RT: 5.946 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion: 65 Resp: 84347

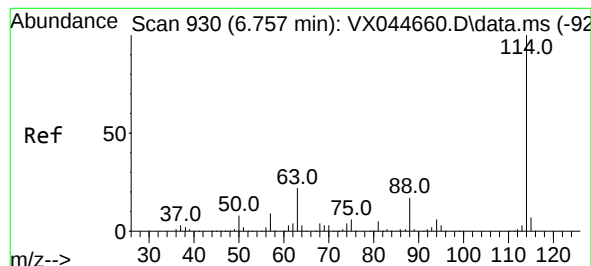
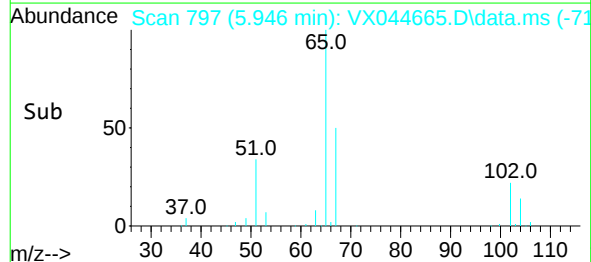
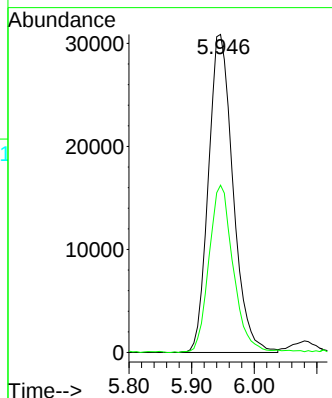
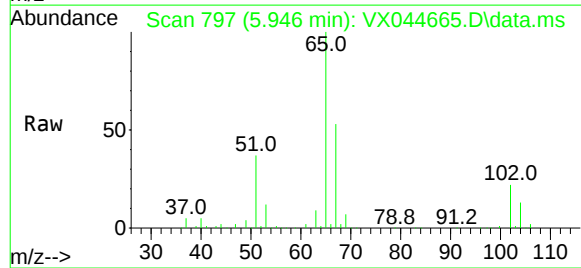
Ion Ratio Lower Upper

65 100

67 51.7 41.4 62.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

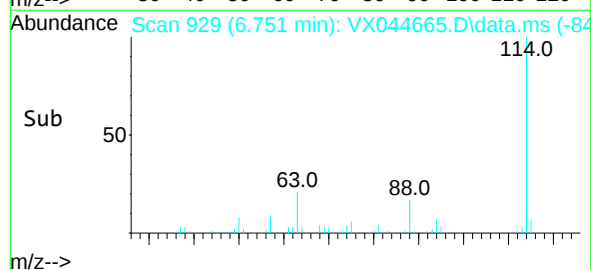
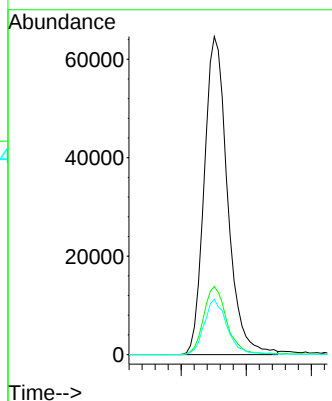
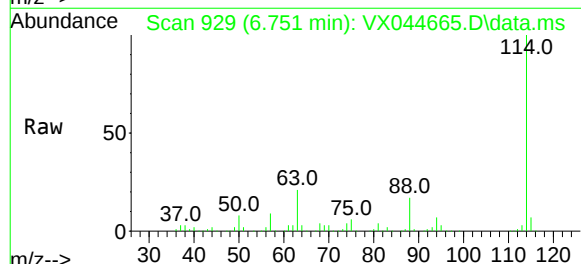
Tgt Ion:114 Resp: 160571

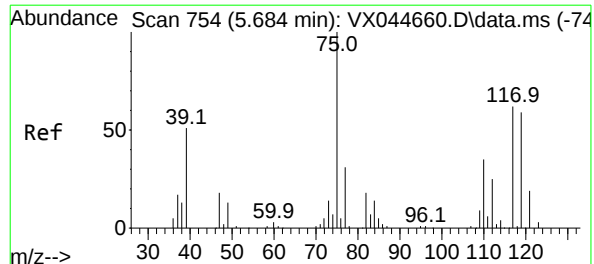
Ion Ratio Lower Upper

114 100

63 21.2 16.6 24.8

88 17.1 13.4 20.2





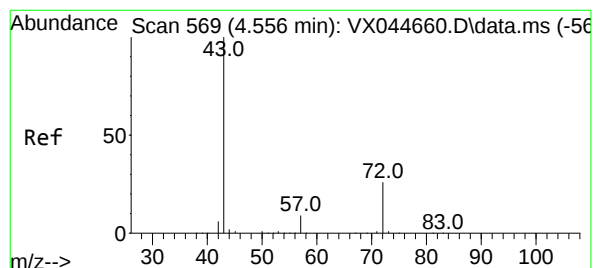
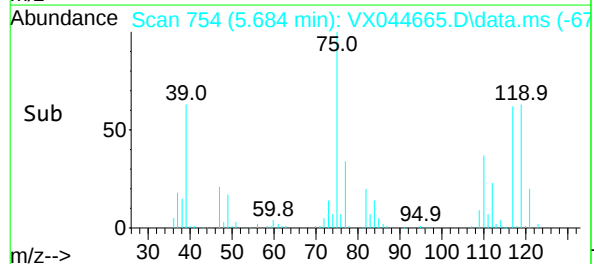
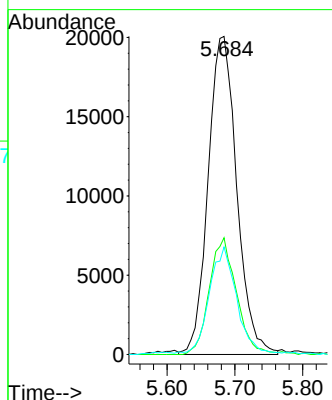
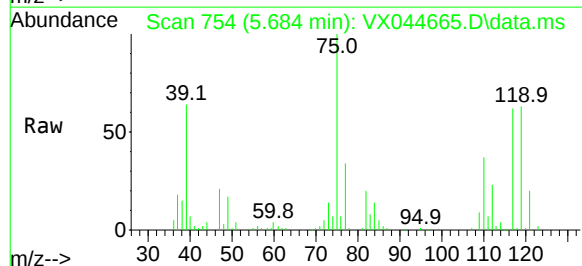
#29
1,1-Dichloropropene
Concen: 21.106 ug/l
RT: 5.684 min Scan# 75
Delta R.T. 0.000 min
Lab File: VX044665.D
Acq: 16 Jan 2025 11:45

Instrument :
MSVOA_X
ClientSampleId :
ICVVX011625

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	0.0	69.4
77	31.6	0.0	59.8

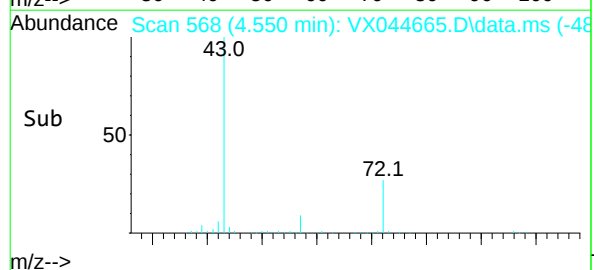
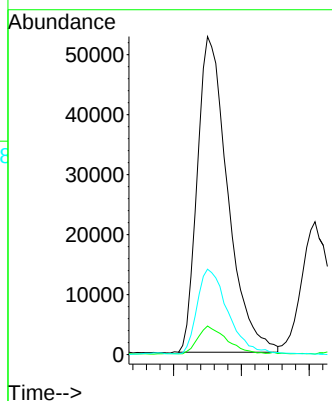
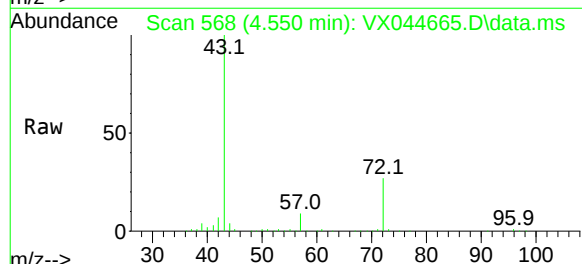
Manual Integrations
APPROVED

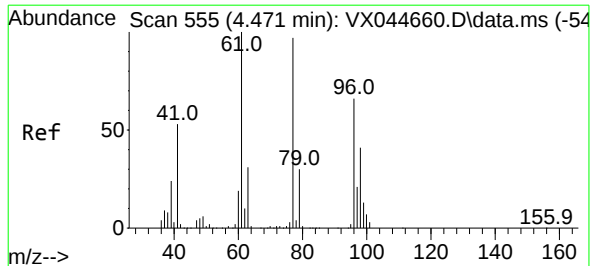
Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#30
2-Butanone
Concen: 107.032 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.006 min
Lab File: VX044665.D
Acq: 16 Jan 2025 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.4	9.6
72	26.4	21.5	32.3





#31

2,2-Dichloropropane

Concen: 20.869 ug/l

RT: 4.459 min Scan# 55

Delta R.T. -0.012 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion: 77 Resp: 80657

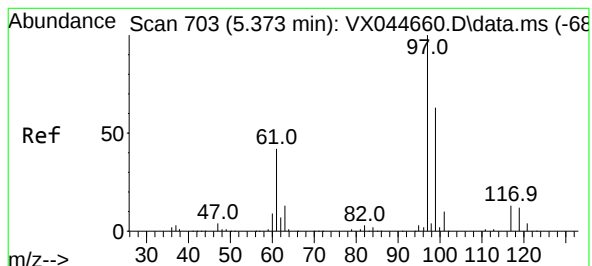
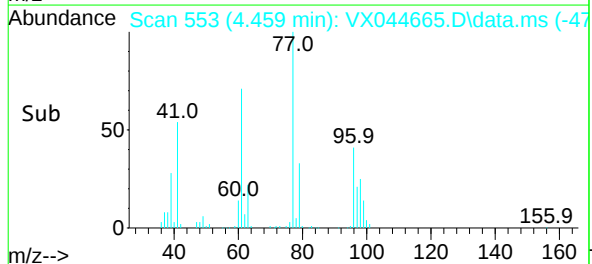
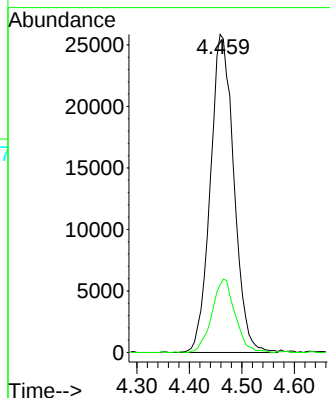
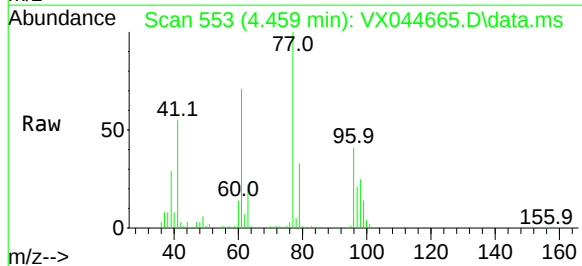
Ion Ratio Lower Upper

77 100

97 22.5 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#32

1,1,1-Trichloroethane

Concen: 20.522 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

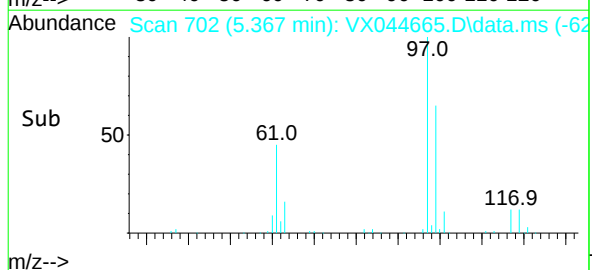
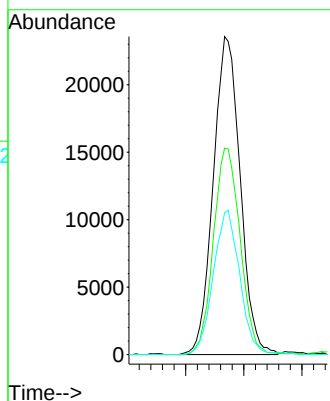
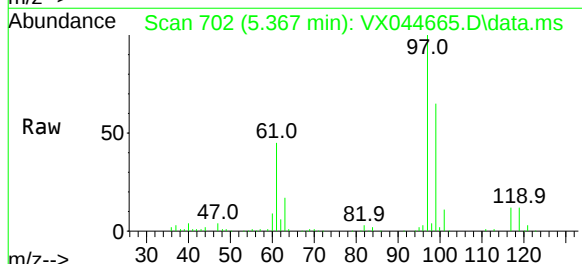
Tgt Ion: 97 Resp: 75959

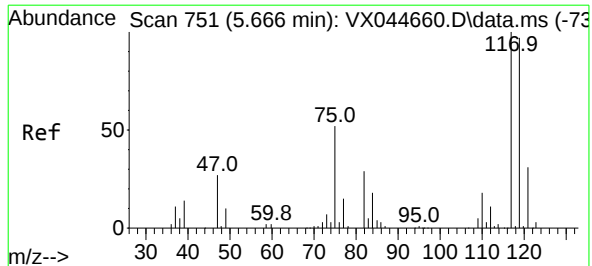
Ion Ratio Lower Upper

97 100

99 64.3 50.5 75.7

61 44.3 34.6 51.8





#33

Carbon Tetrachloride

Concen: 20.898 ug/l

RT: 5.666 min Scan# 751

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion:117 Resp: 65248

Ion Ratio Lower Upper

117 100

119 94.5 77.3 115.9

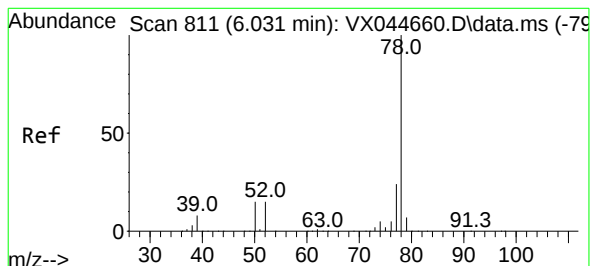
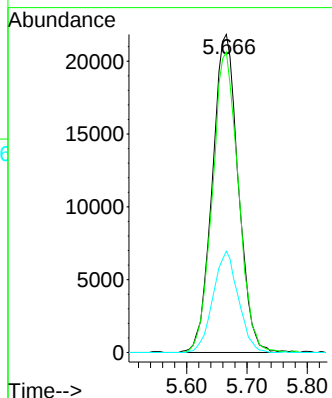
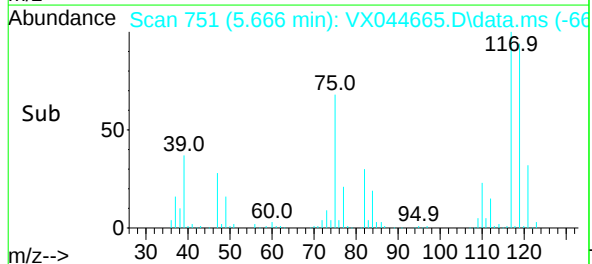
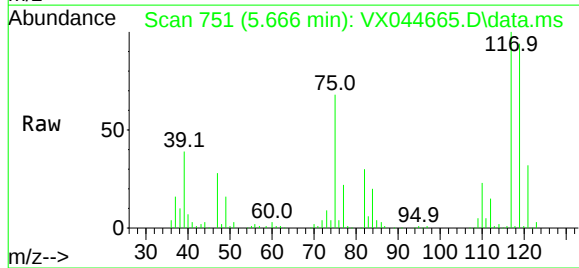
121 31.8 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025

Supervised By :Semsettin Yesilyurt 01/17/2025



#34

Benzene

Concen: 20.899 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

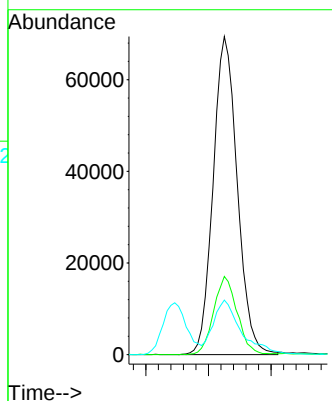
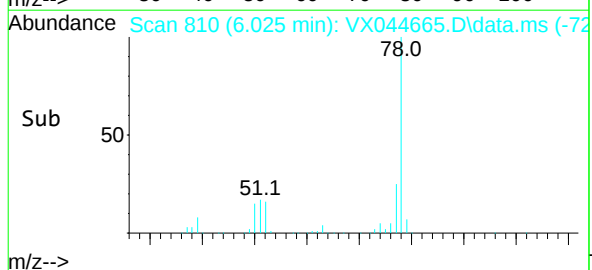
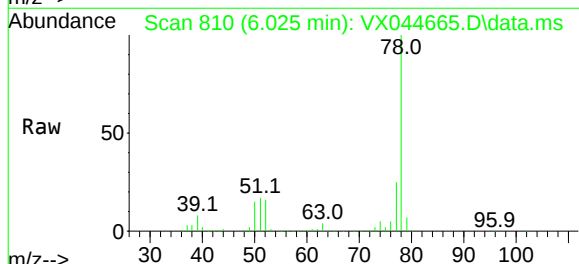
Tgt Ion: 78 Resp: 186228

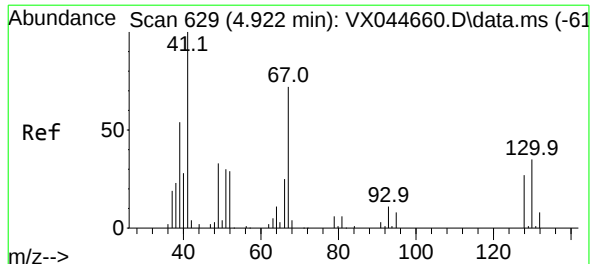
Ion Ratio Lower Upper

78 100

77 24.6 19.3 28.9

51 16.2 12.7 19.1





#35

Methacrylonitrile

Concen: 20.958 ug/l

RT: 4.916 min Scan# 62

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion: 41 Resp: 35936

Ion Ratio Lower Upper

41 100

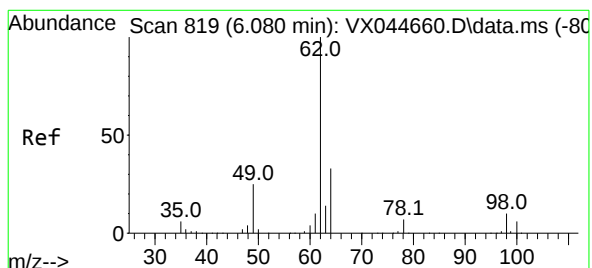
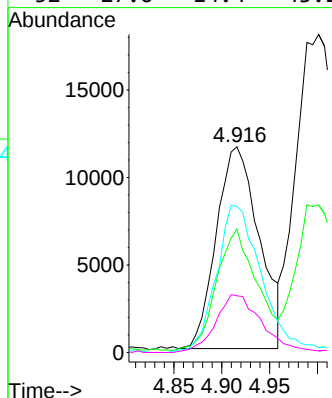
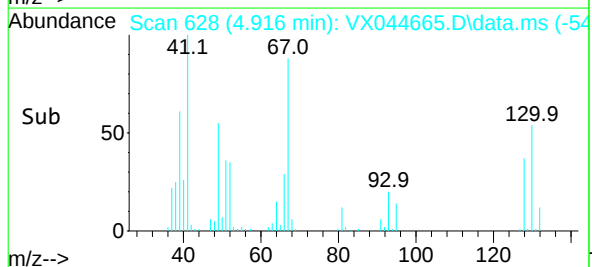
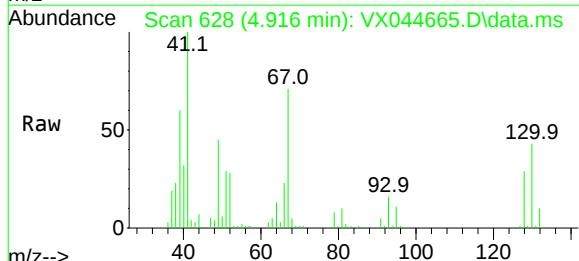
39 59.4 27.1 81.3

67 71.1 35.8 107.4

52 27.6 14.4 43.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#36

1,2-Dichloroethane

Concen: 20.476 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.006 min

Lab File: VX044665.D

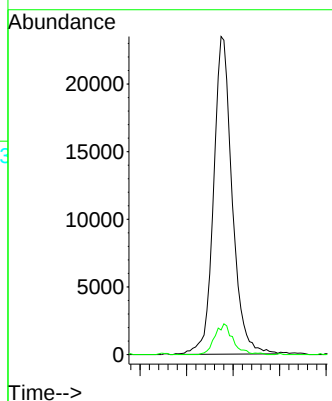
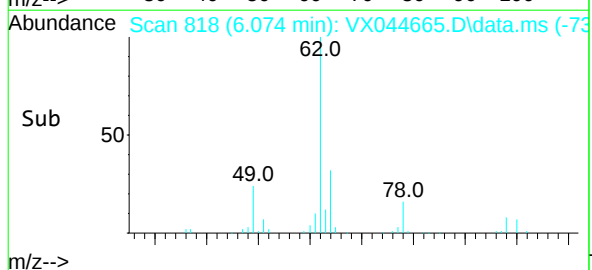
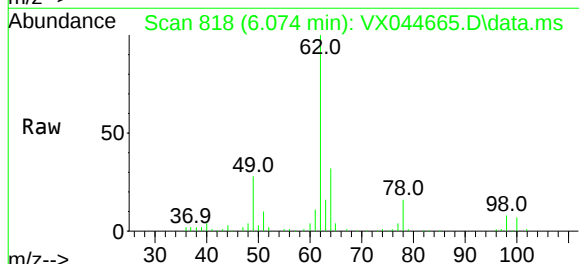
Acq: 16 Jan 2025 11:45

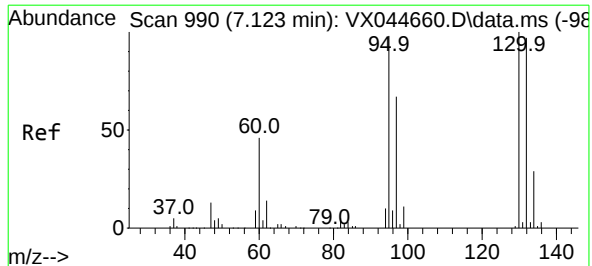
Tgt Ion: 62 Resp: 65234

Ion Ratio Lower Upper

62 100

98 9.1 7.4 11.2





#37

Trichloroethene

Concen: 20.651 ug/l

RT: 7.117 min Scan# 98

Delta R.T. -0.006 min

Lab File: VX044665.D

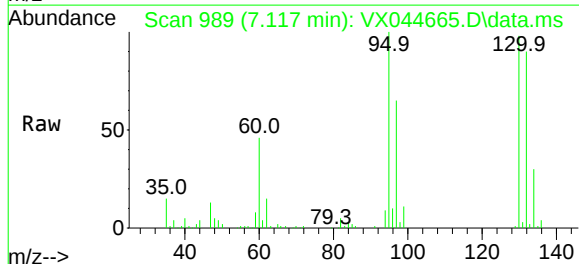
Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625



Tgt Ion:130 Resp: 44428

Ion Ratio Lower Upper

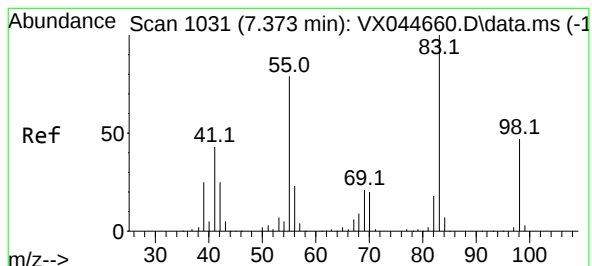
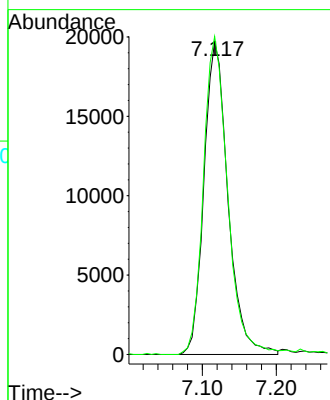
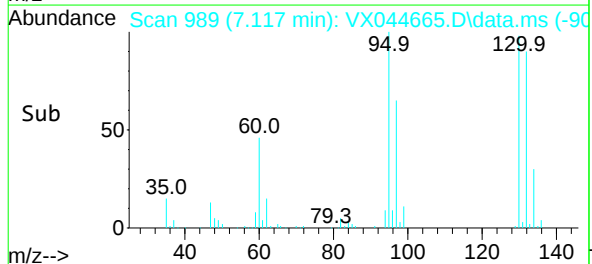
130 100

95 101.7 78.2 117.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#38

Methylcyclohexane

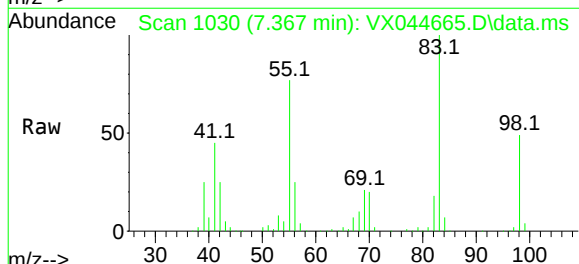
Concen: 21.851 ug/l

RT: 7.367 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45



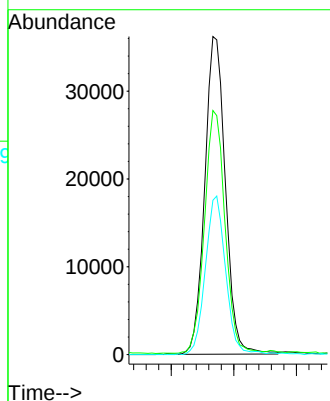
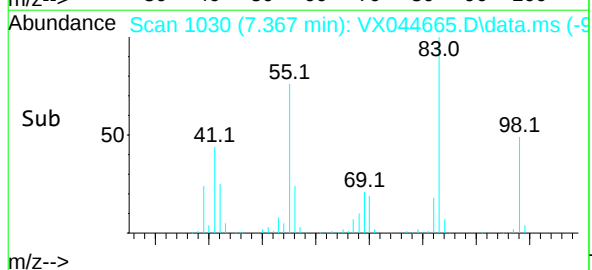
Tgt Ion: 83 Resp: 82917

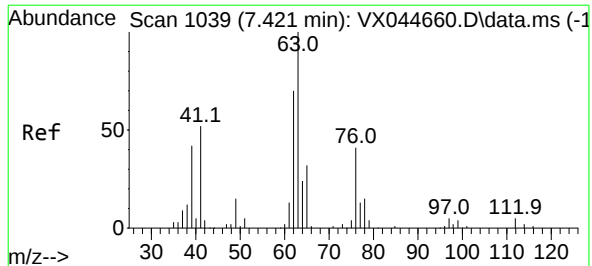
Ion Ratio Lower Upper

83 100

55 76.1 38.4 115.2

98 48.5 24.4 73.4





#39

1,2-Dichloropropane

Concen: 20.847 ug/l

RT: 7.421 min Scan# 10

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion: 63 Resp: 46323

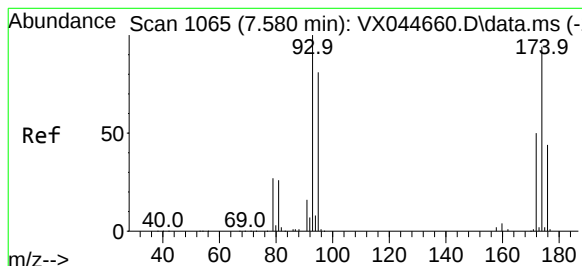
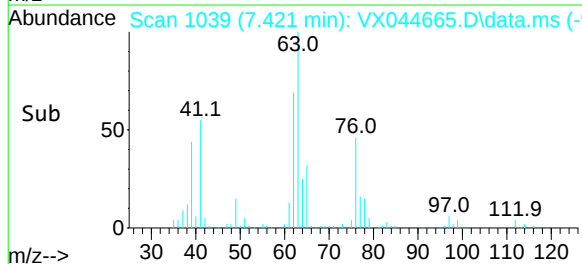
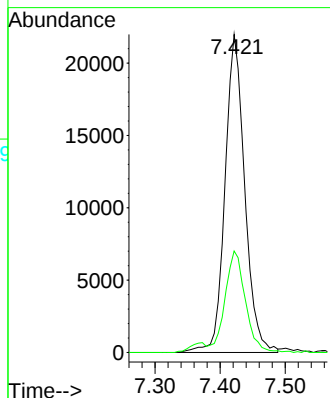
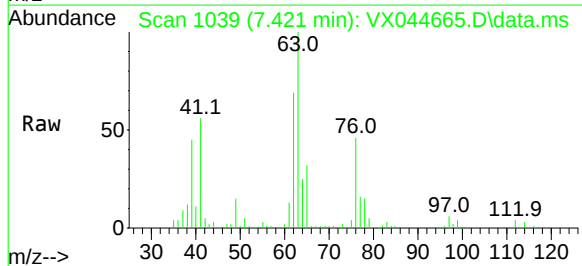
Ion Ratio Lower Upper

63 100

65 31.5 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#40

Dibromomethane

Concen: 20.456 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

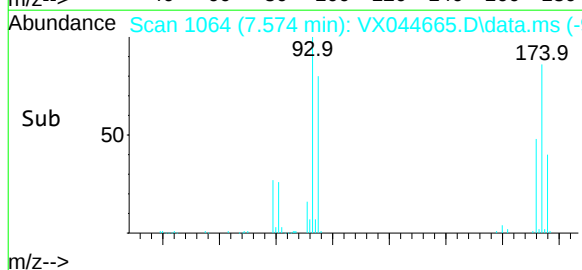
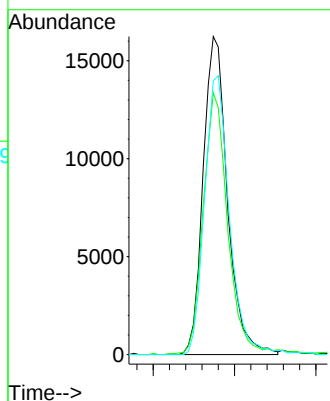
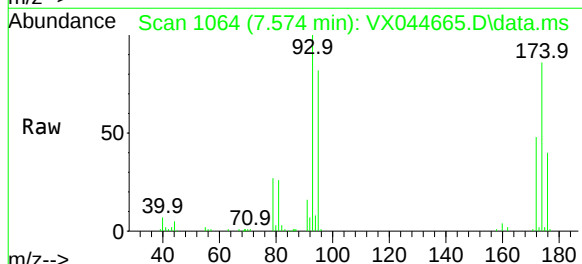
Tgt Ion: 93 Resp: 33792

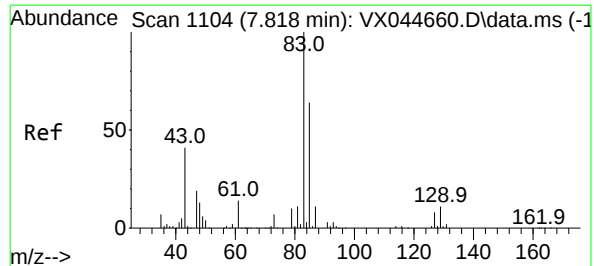
Ion Ratio Lower Upper

93 100

95 82.1 0.0 167.0

174 88.7 0.0 182.0





#41

Bromodichloromethane

Concen: 20.283 ug/l

RT: 7.812 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion: 83 Resp: 69184

Ion Ratio Lower Upper

83 100

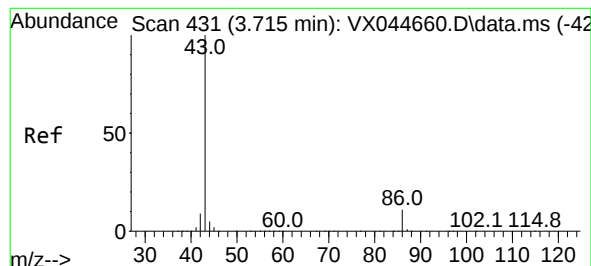
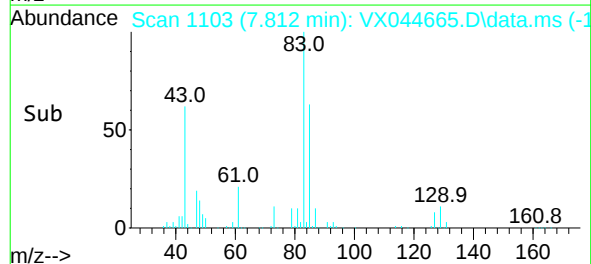
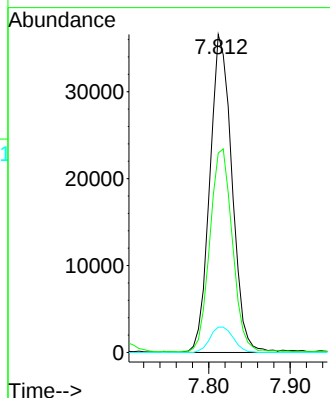
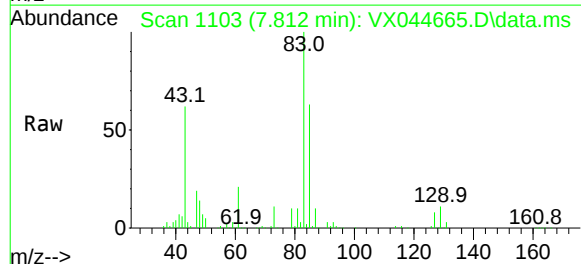
85 62.5 50.9 76.3

127 8.0 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025



#42

Vinyl Acetate

Concen: 107.208 ug/l

RT: 3.715 min Scan# 431

Delta R.T. 0.000 min

Lab File: VX044665.D

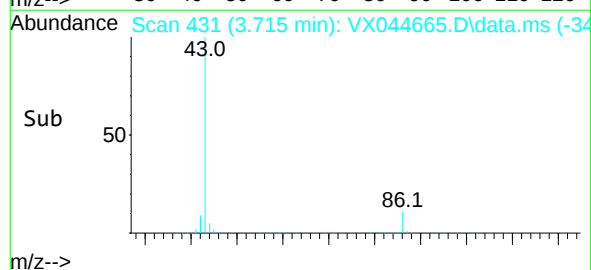
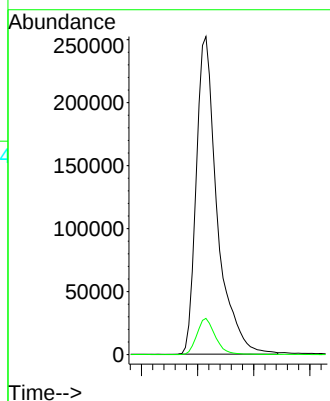
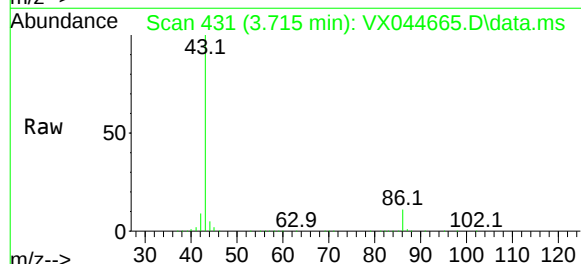
Acq: 16 Jan 2025 11:45

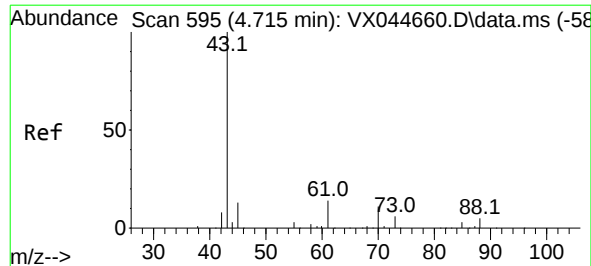
Tgt Ion: 43 Resp: 653209

Ion Ratio Lower Upper

43 100

86 10.0 8.0 12.0





#43

Ethyl Acetate

Concen: 20.996 ug/l

RT: 4.709 min Scan# 59

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion: 43 Resp: 63189

Ion Ratio Lower Upper

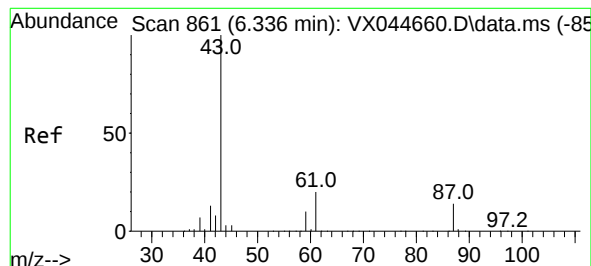
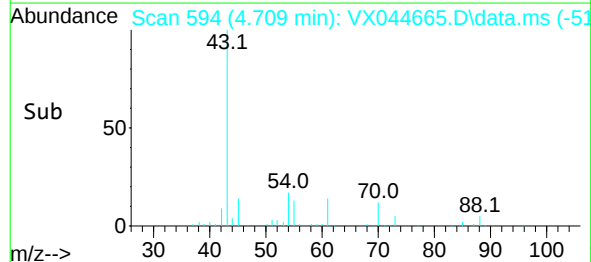
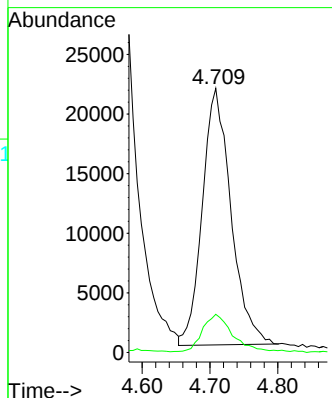
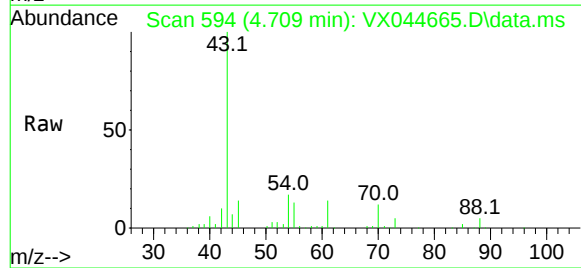
43 100

45 15.0 0.1 0.1#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#44

Isopropyl Acetate

Concen: 20.825 ug/l

RT: 6.330 min Scan# 860

Delta R.T. -0.006 min

Lab File: VX044665.D

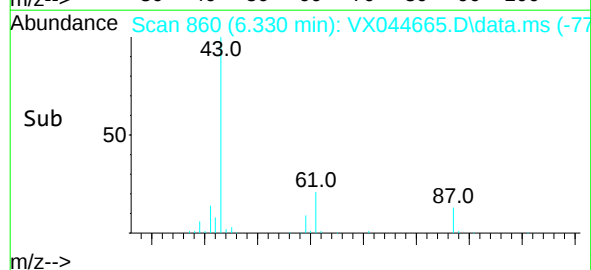
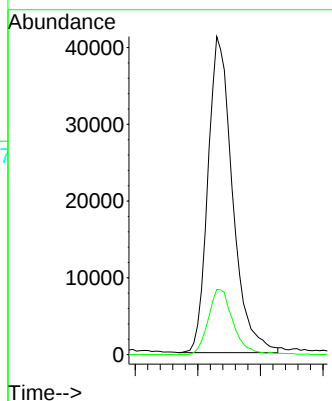
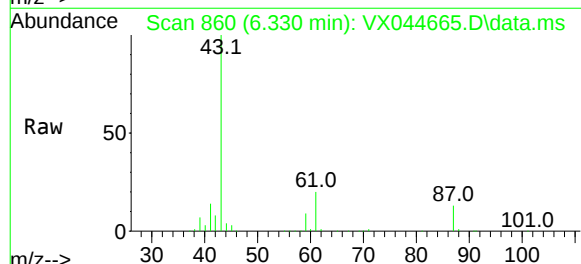
Acq: 16 Jan 2025 11:45

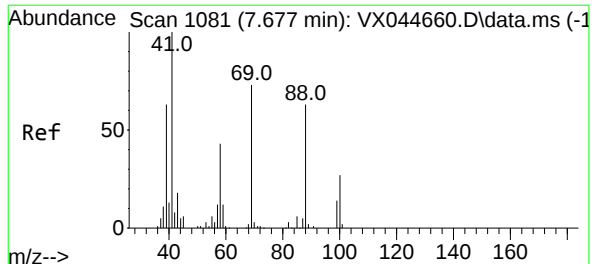
Tgt Ion: 43 Resp: 112593

Ion Ratio Lower Upper

43 100

61 20.6 16.2 24.4





#45

1,4-Dioxane

Concen: 403.967 ug/l

RT: 7.665 min Scan# 1081

Delta R.T. -0.012 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion: 88 Resp: 20798

Ion Ratio Lower Upper

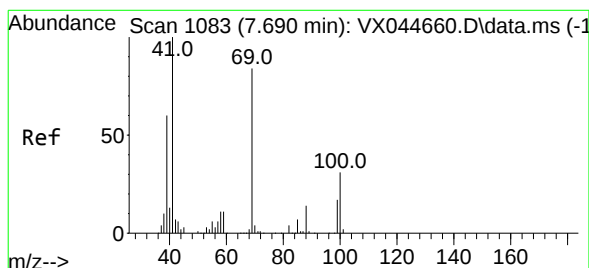
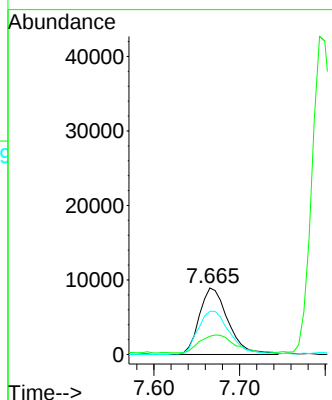
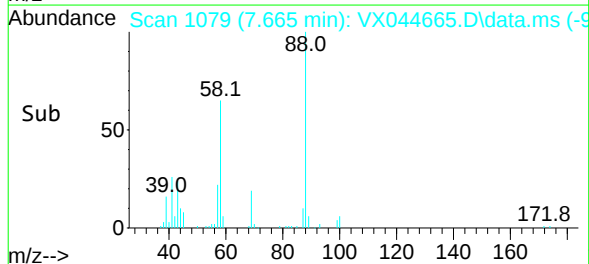
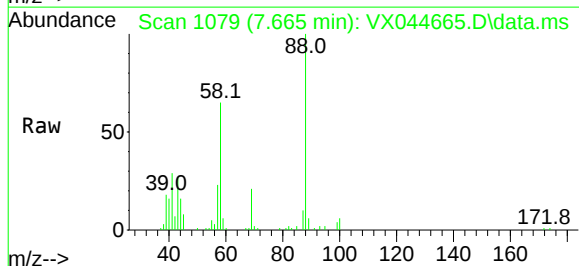
88 100

43 31.5 25.9 38.9

58 72.4 58.9 88.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#46

Methyl methacrylate

Concen: 19.893 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

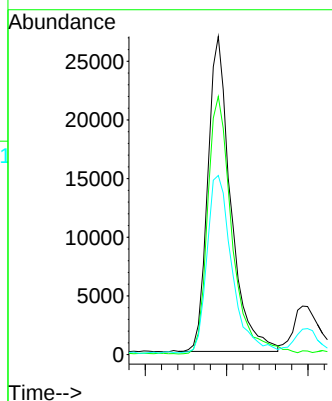
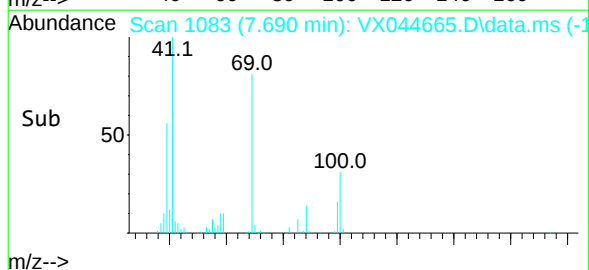
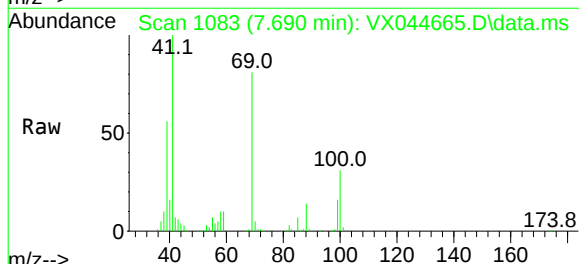
Tgt Ion: 41 Resp: 52648

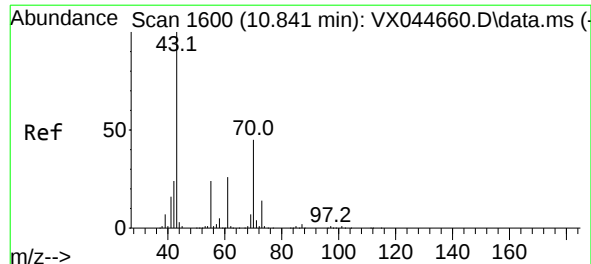
Ion Ratio Lower Upper

41 100

69 81.8 41.9 125.7

39 56.3 30.1 90.3





#47

n-amy1 Acetate

Concen: 20.825 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion: 43 Resp: 94494

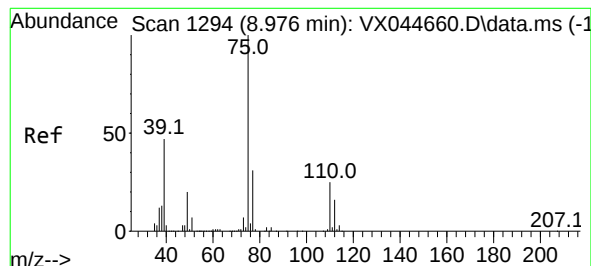
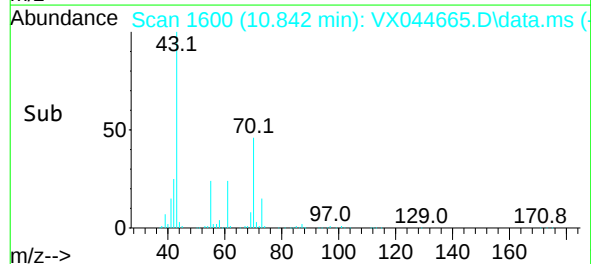
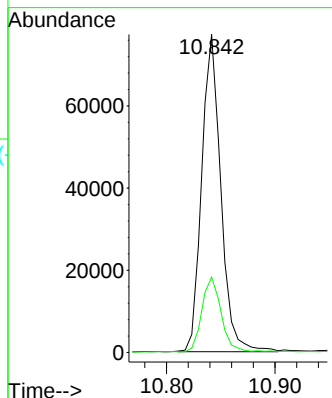
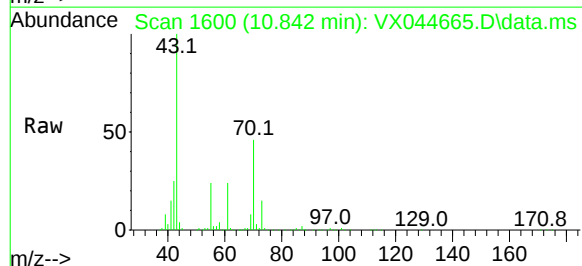
Ion Ratio Lower Upper

43 100

55 23.4 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#48

t-1,3-Dichloropropene

Concen: 20.098 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX044665.D

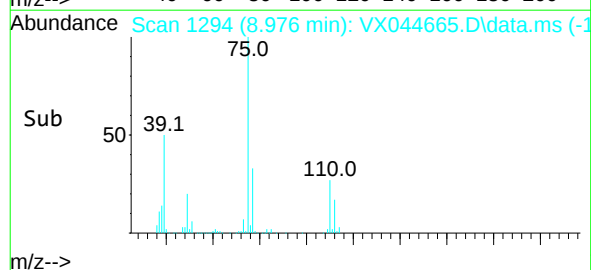
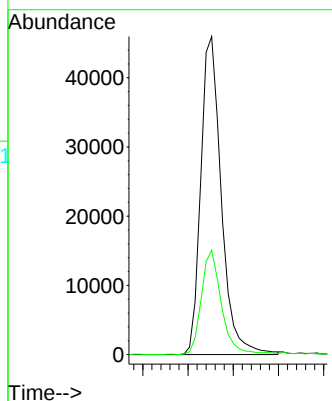
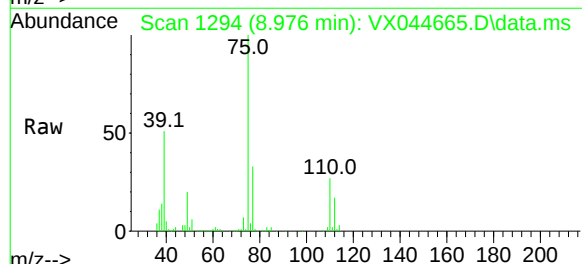
Acq: 16 Jan 2025 11:45

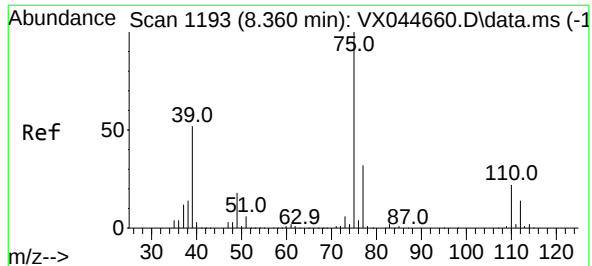
Tgt Ion: 75 Resp: 72357

Ion Ratio Lower Upper

75 100

77 32.9 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 20.389 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044665.D

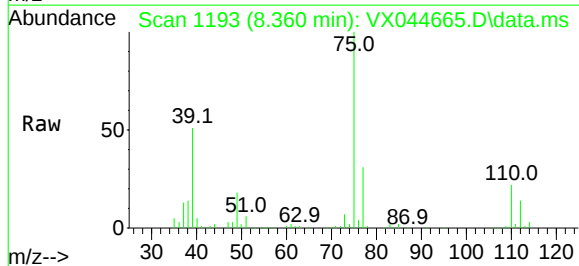
Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625



Tgt Ion: 75 Resp: 78714

Ion Ratio Lower Upper

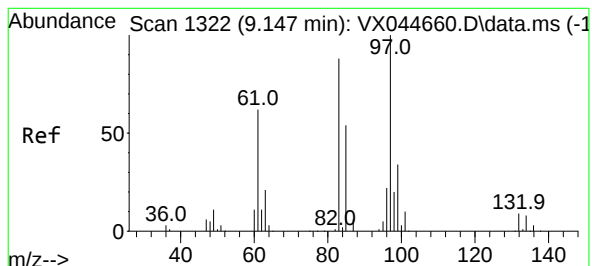
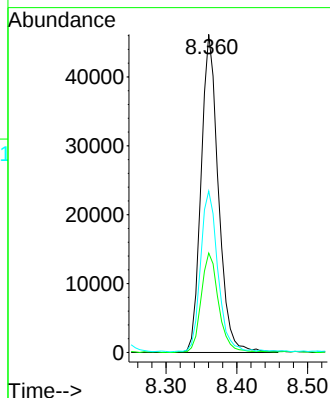
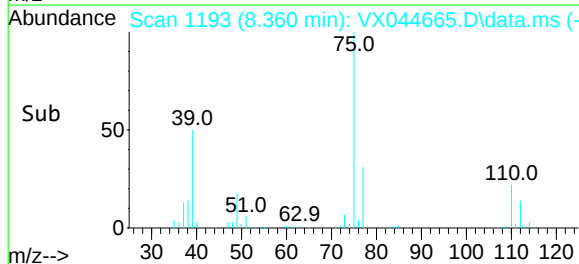
75 100

77 31.0 25.4 38.0

39 50.3 41.4 62.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#50

1,1,2-Trichloroethane

Concen: 20.759 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Tgt Ion: 97 Resp: 44166

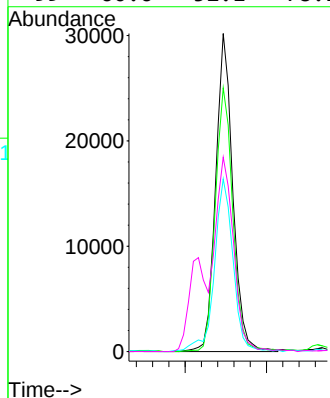
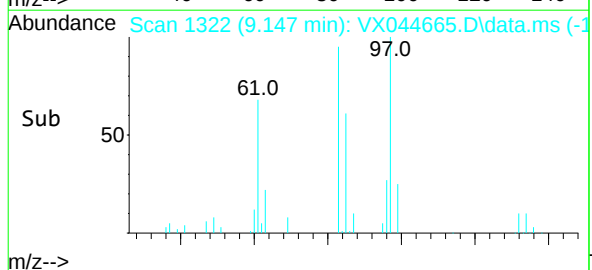
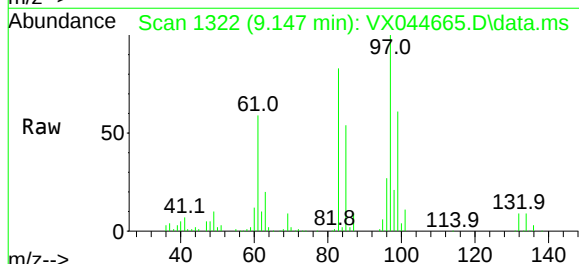
Ion Ratio Lower Upper

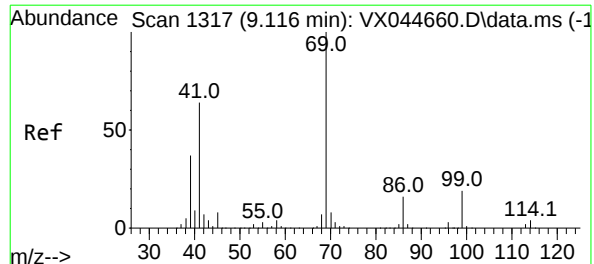
97 100

83 82.9 69.2 103.8

85 53.9 44.8 67.2

99 60.6 52.1 78.1





#51

Ethyl methacrylate

Concen: 20.416 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion: 69 Resp: 75458

Ion Ratio Lower Upper

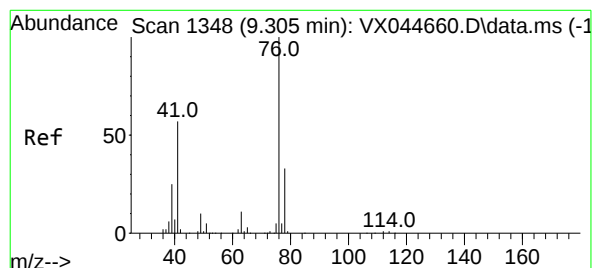
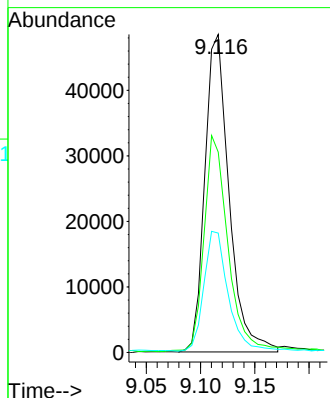
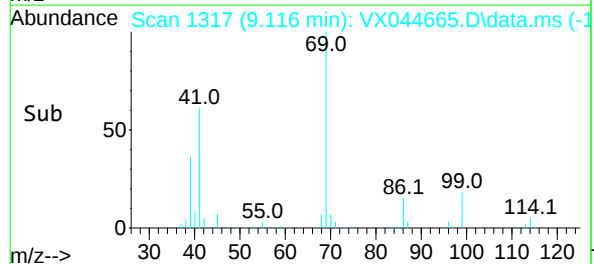
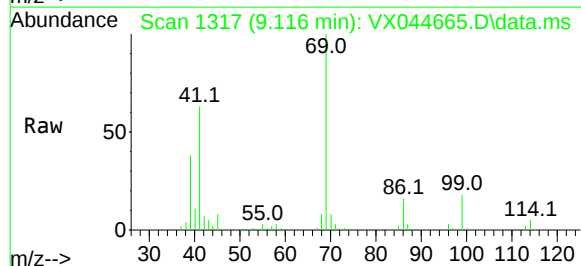
69 100

41 62.4 32.0 96.0

39 37.2 18.6 55.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#52

1,3-Dichloropropane

Concen: 20.610 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VX044665.D

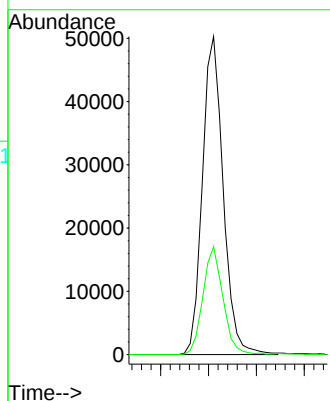
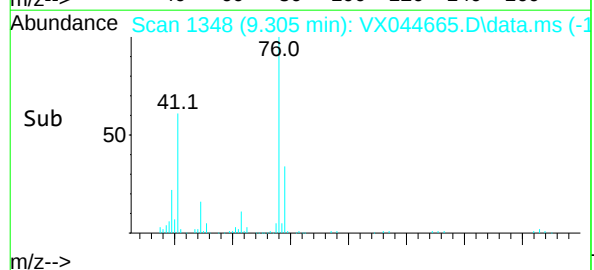
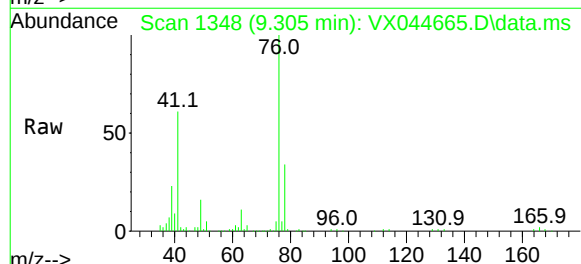
Acq: 16 Jan 2025 11:45

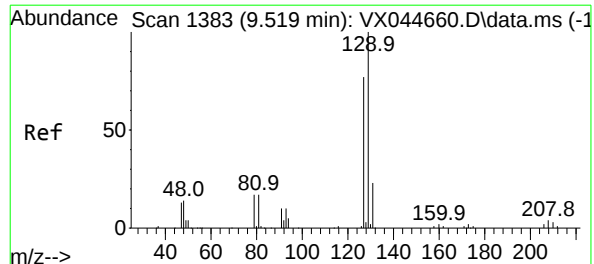
Tgt Ion: 76 Resp: 75839

Ion Ratio Lower Upper

76 100

78 32.6 0.0 64.0





#53

Dibromochloromethane

Concen: 20.035 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion:129 Resp: 50936

Ion Ratio Lower Upper

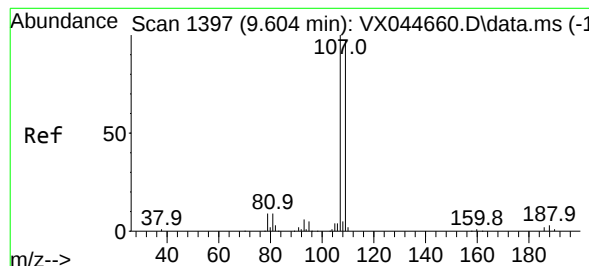
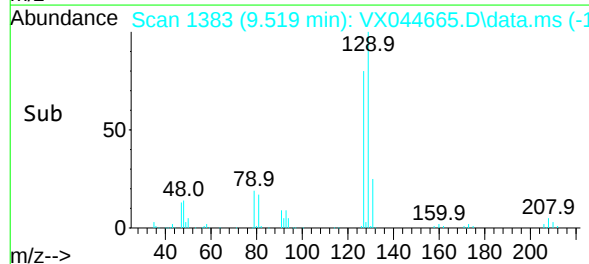
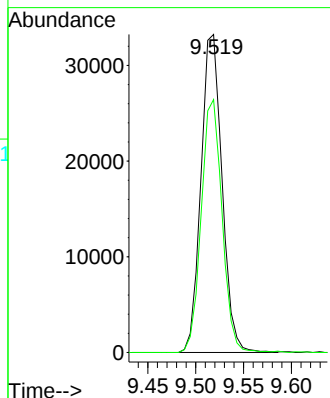
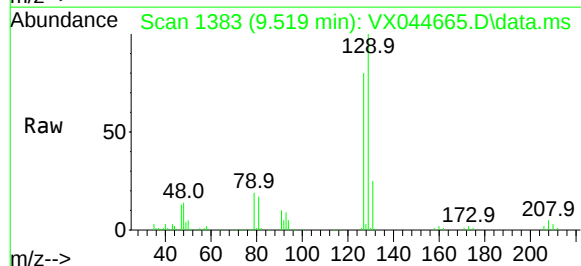
129 100

127 78.4 37.8 113.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#54

1,2-Dibromoethane

Concen: 20.554 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VX044665.D

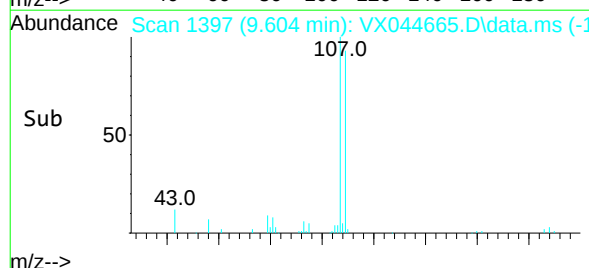
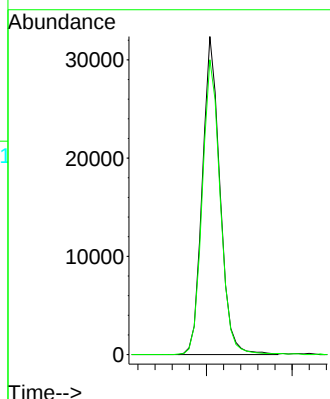
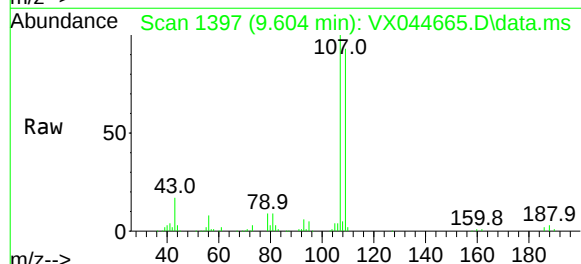
Acq: 16 Jan 2025 11:45

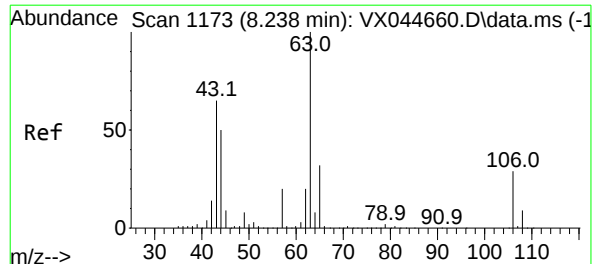
Tgt Ion:107 Resp: 46228

Ion Ratio Lower Upper

107 100

109 94.7 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 104.044 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion: 63 Resp: 186582

Ion Ratio Lower Upper

63 100

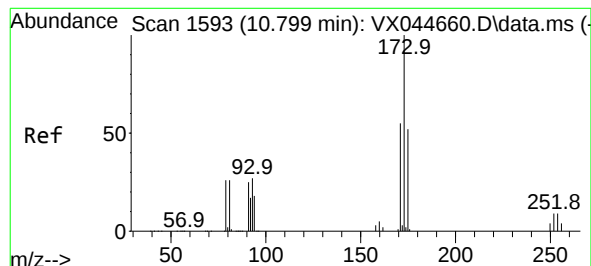
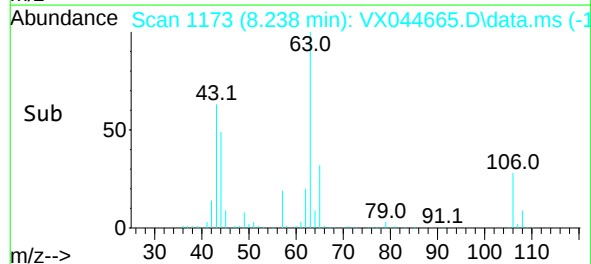
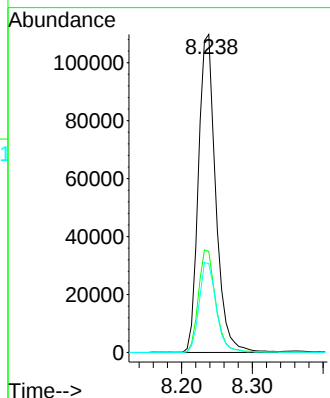
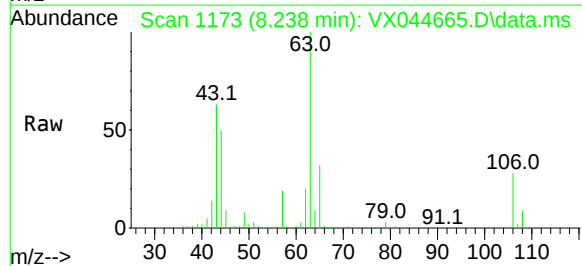
65 32.0 25.8 38.6

106 28.0 23.1 34.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#56

Bromoform

Concen: 19.895 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

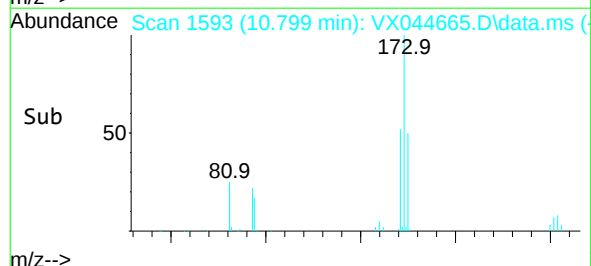
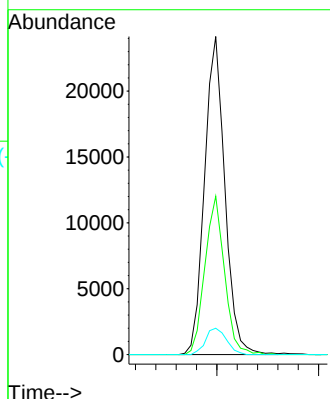
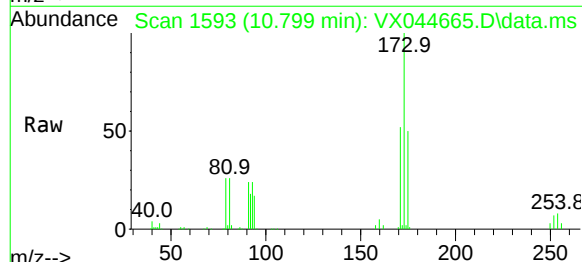
Tgt Ion:173 Resp: 33539

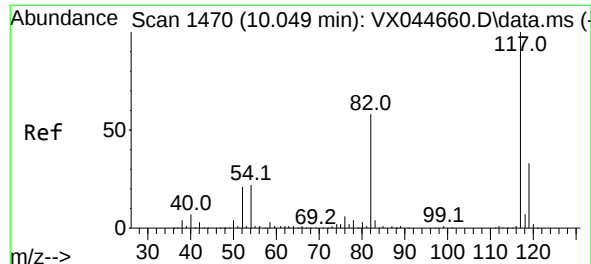
Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.6

254 8.6 6.5 9.7





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

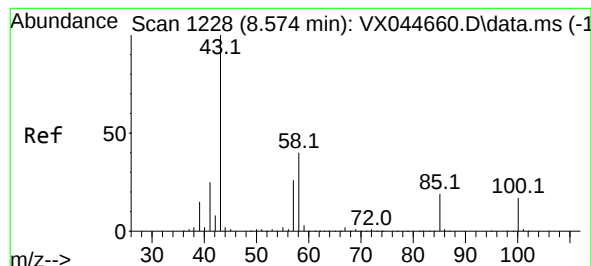
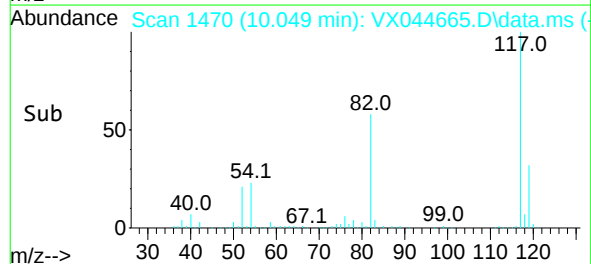
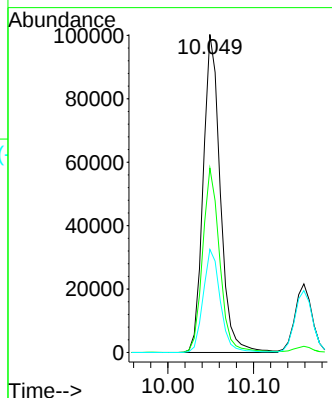
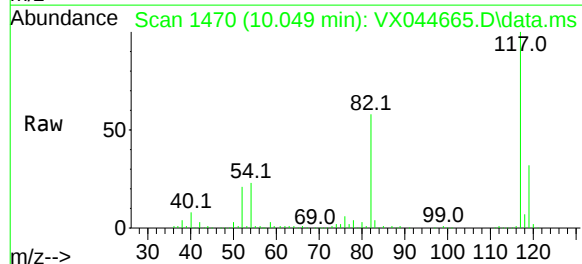
ClientSampleId :

ICVVX011625

Tgt Ion:	117	Resp:	139330
Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.8	68.6
119	32.5	25.8	38.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#58

4-Methyl-2-Pentanone

Concen: 108.729 ug/l

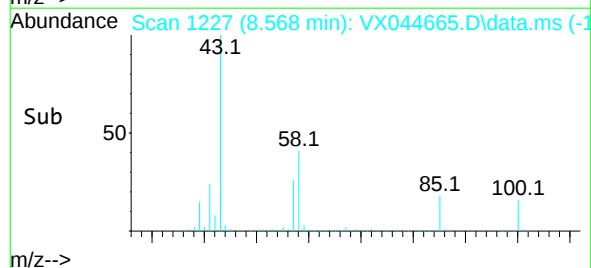
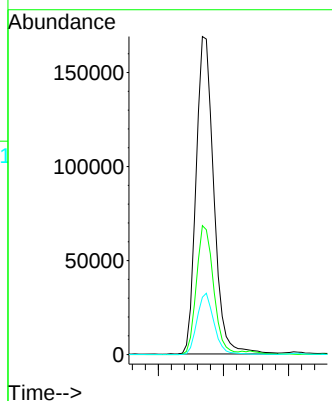
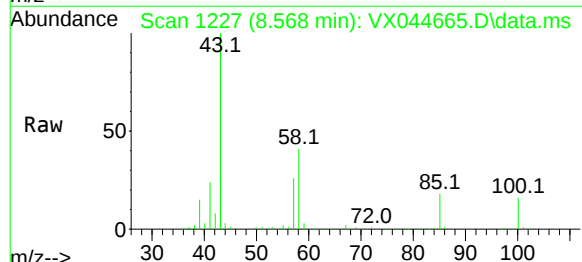
RT: 8.568 min Scan# 1227

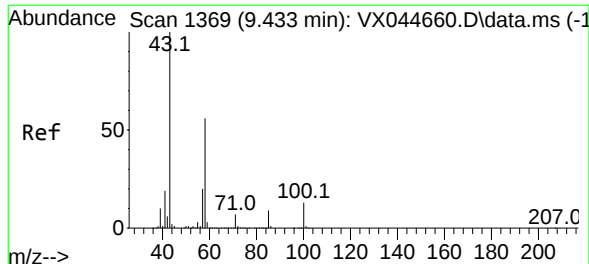
Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Tgt Ion:	43	Resp:	319324
Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.7	47.5
85	18.5	15.0	22.6





#59

2-Hexanone

Concen: 109.252 ug/l

RT: 9.427 min Scan# 1369

Delta R.T. -0.006 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion: 43 Resp: 234903

Ion Ratio Lower Upper

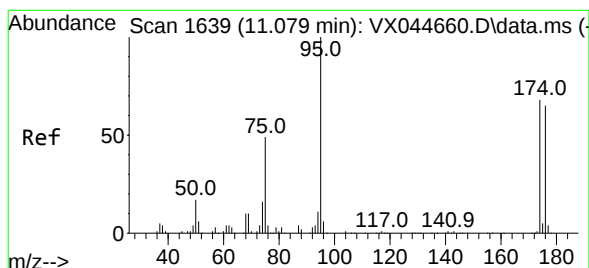
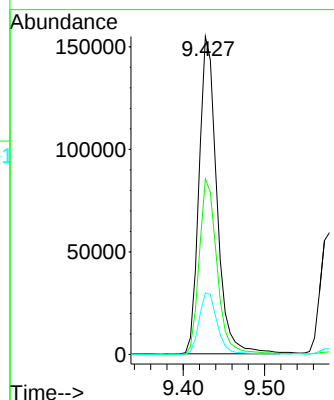
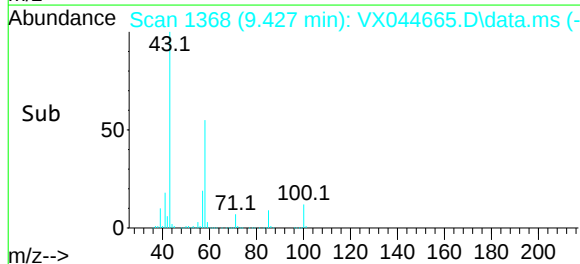
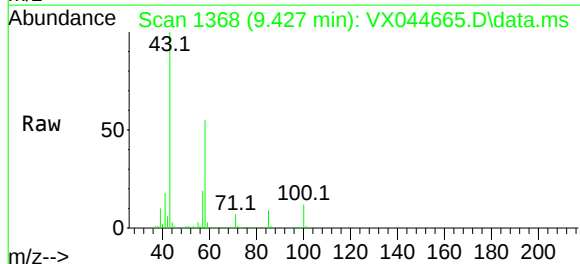
43 100

58 55.7 44.4 66.6

57 19.9 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#60

4-Bromofluorobenzene

Concen: 29.820 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

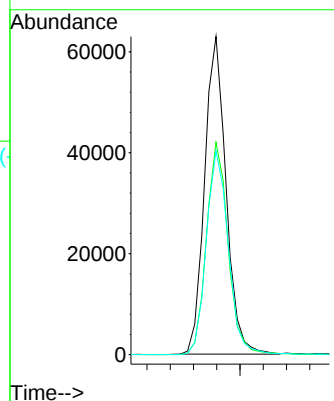
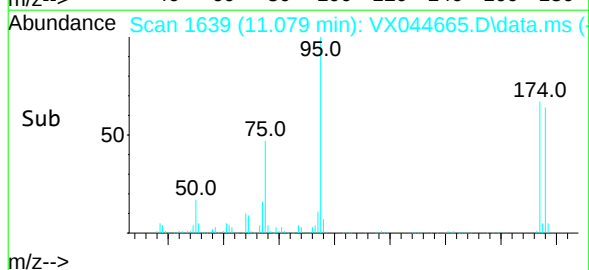
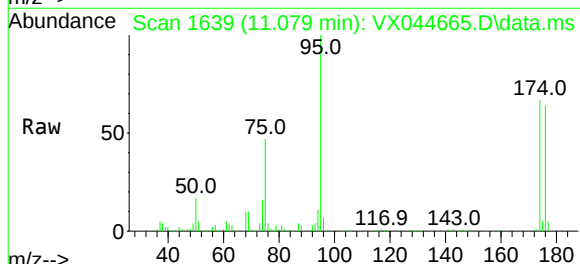
Tgt Ion: 95 Resp: 80701

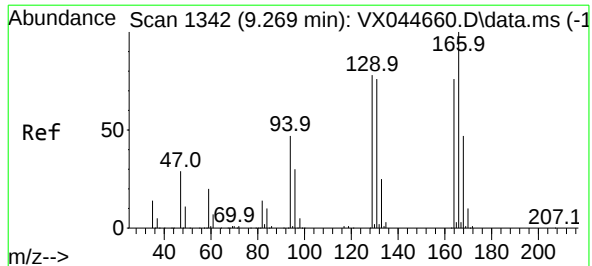
Ion Ratio Lower Upper

95 100

174 67.4 54.6 81.8

176 65.7 52.8 79.2





#61

Tetrachloroethene

Concen: 20.867 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion:164 Resp: 34875

Ion Ratio Lower Upper

164 100

166 135.3 105.6 158.4

129 107.4 82.8 124.2

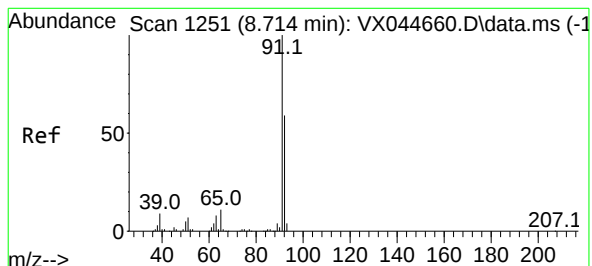
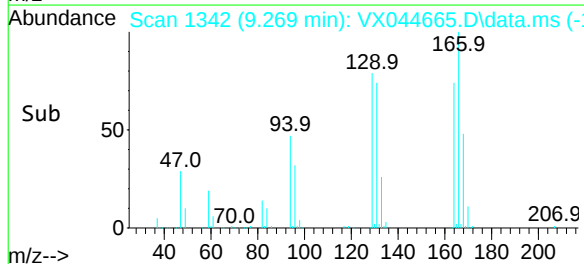
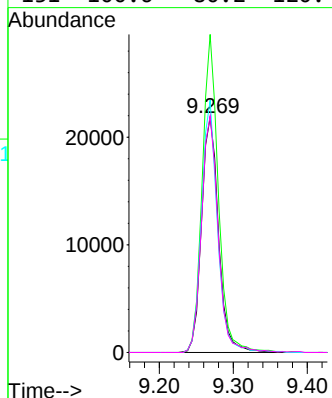
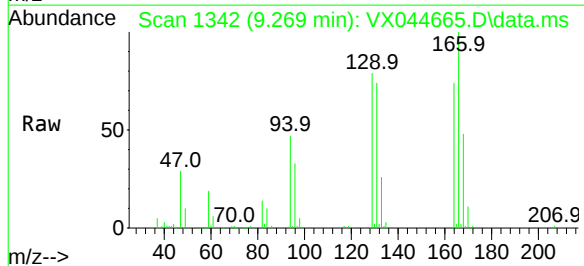
131 100.6 80.2 120.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025

Supervised By :Semsettin Yesilyurt 01/17/2025



#62

Toluene

Concen: 20.674 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044665.D

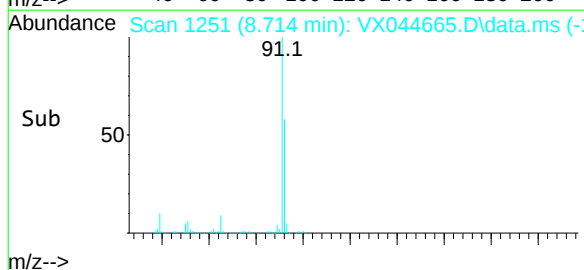
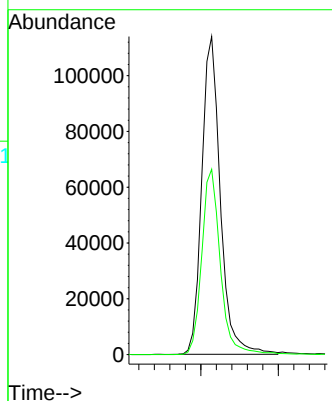
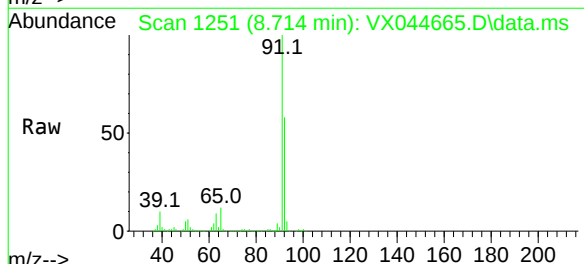
Acq: 16 Jan 2025 11:45

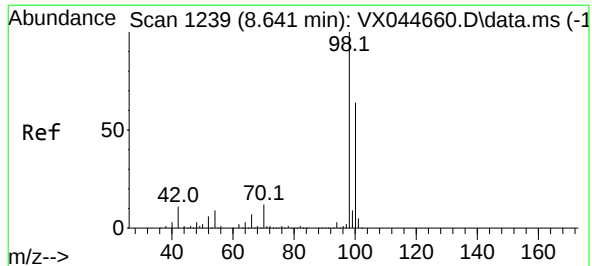
Tgt Ion: 91 Resp: 189672

Ion Ratio Lower Upper

91 100

92 57.9 47.3 70.9





#63

Toluene-d8

Concen: 30.639 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VX044665.D

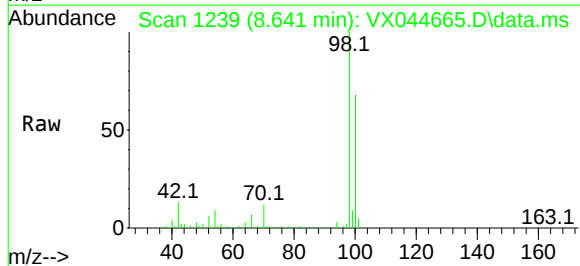
Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625



Tgt Ion: 98 Resp: 232185

Ion Ratio Lower Upper

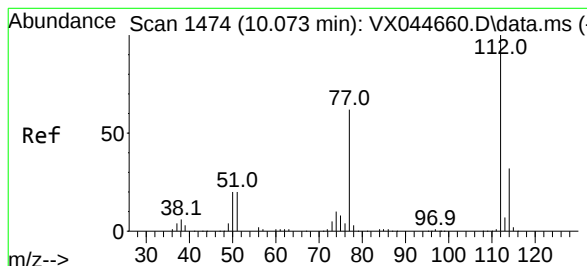
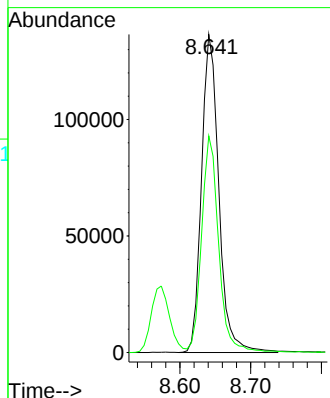
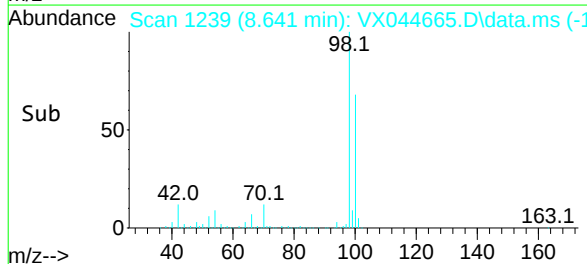
98 100

100 66.7 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#64

Chlorobenzene

Concen: 20.464 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. 0.000 min

Lab File: VX044665.D

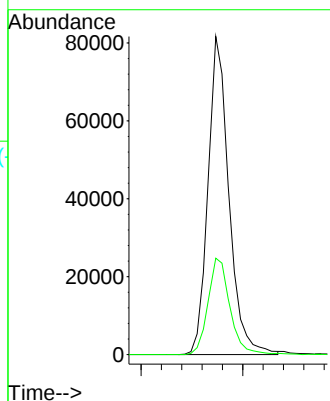
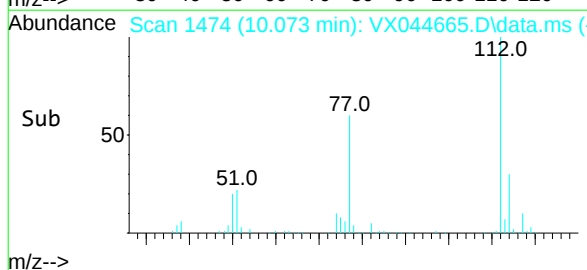
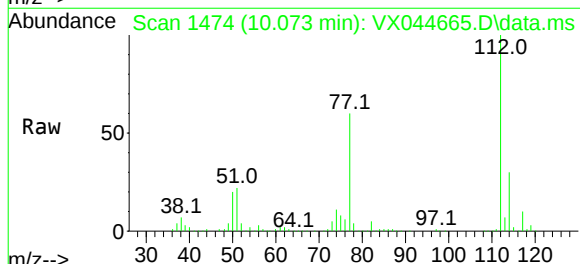
Acq: 16 Jan 2025 11:45

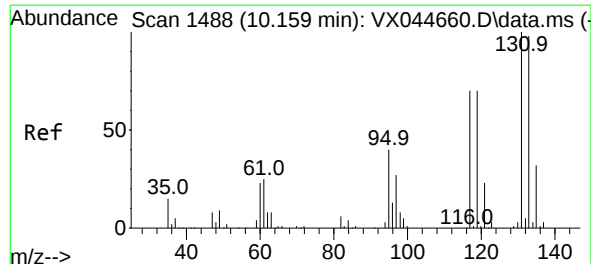
Tgt Ion:112 Resp: 116597

Ion Ratio Lower Upper

112 100

114 30.3 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.848 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion:131 Resp: 42670

Ion Ratio Lower Upper

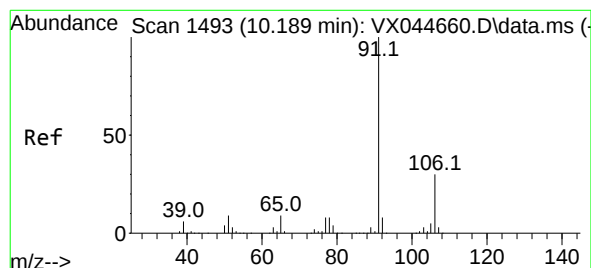
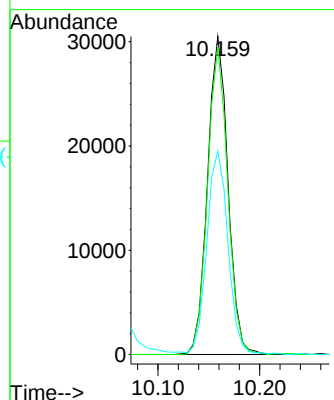
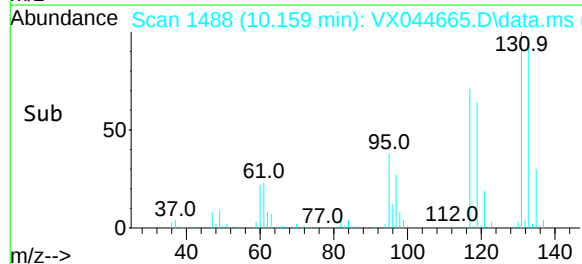
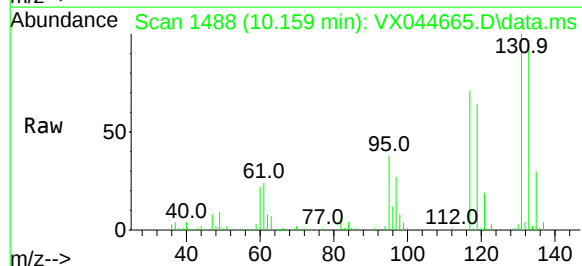
131 100

133 95.0 0.0 192.4

119 66.0 0.0 133.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#66

Ethyl Benzene

Concen: 20.829 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044665.D

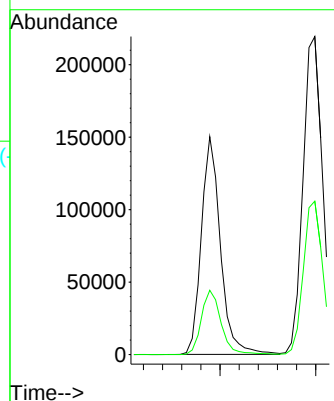
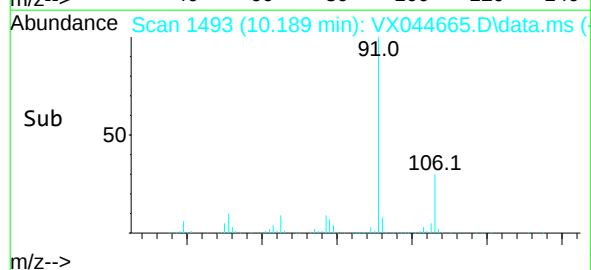
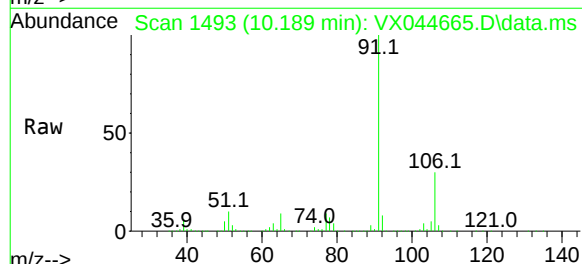
Acq: 16 Jan 2025 11:45

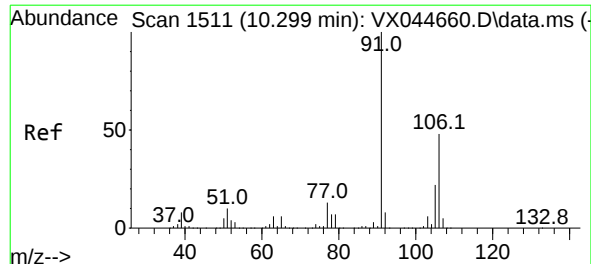
Tgt Ion: 91 Resp: 208544

Ion Ratio Lower Upper

91 100

106 29.6 24.0 36.0





#67

m/p-Xylenes

Concen: 42.296 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion:106 Resp: 155664

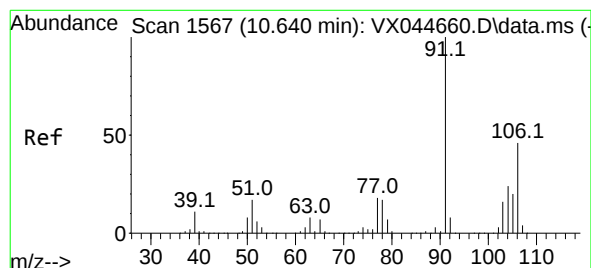
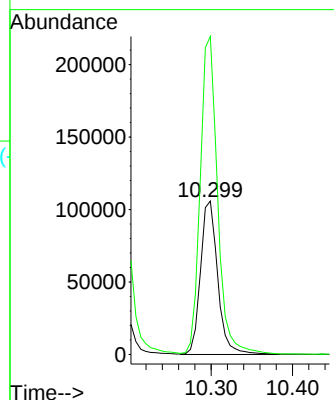
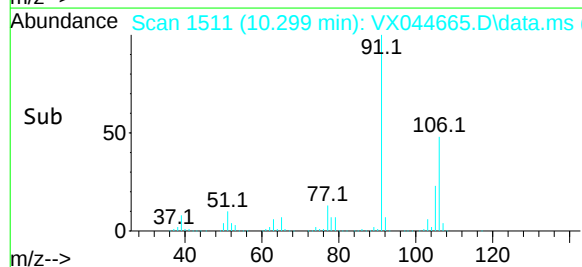
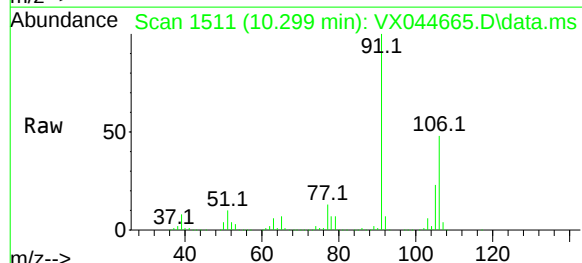
Ion Ratio Lower Upper

106 100

91 207.6 166.8 250.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#68

o-Xylene

Concen: 21.283 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044665.D

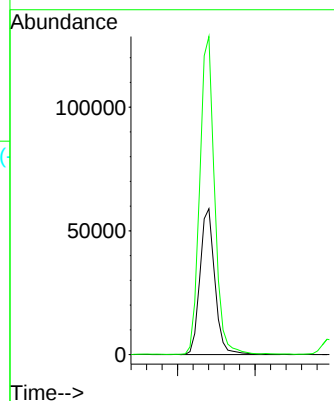
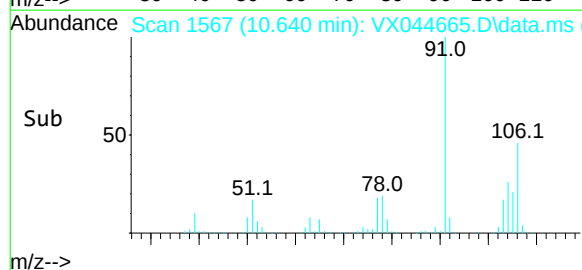
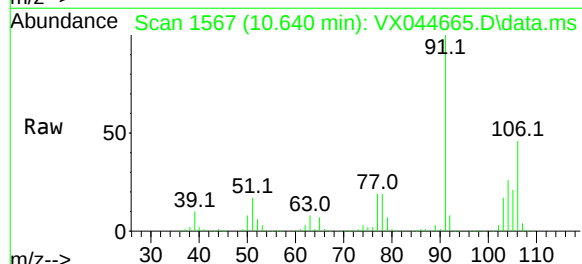
Acq: 16 Jan 2025 11:45

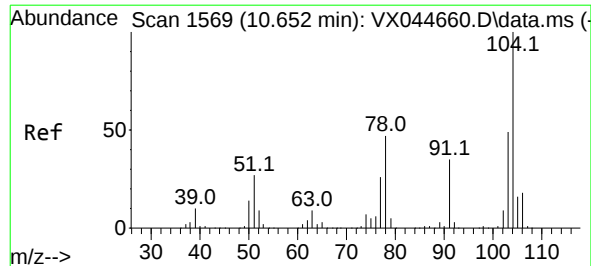
Tgt Ion:106 Resp: 78615

Ion Ratio Lower Upper

106 100

91 216.6 109.7 329.1





#69

Styrene

Concen: 21.140 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

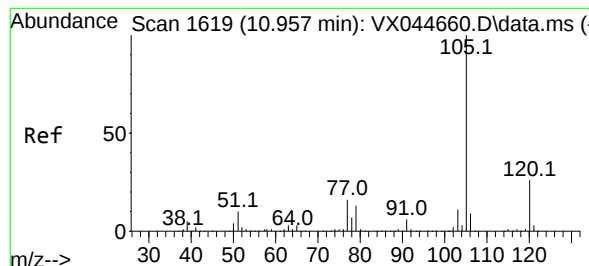
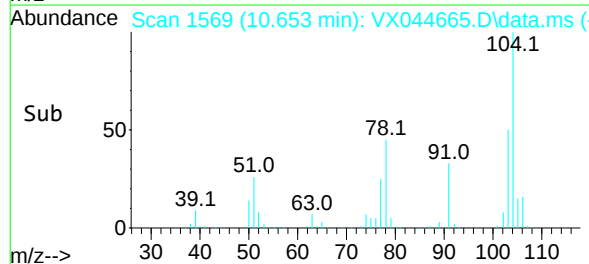
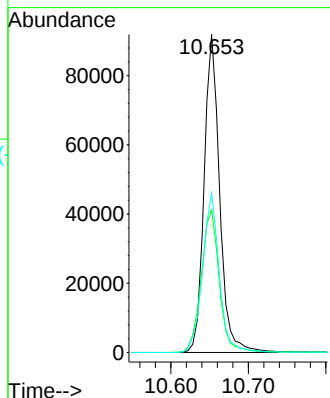
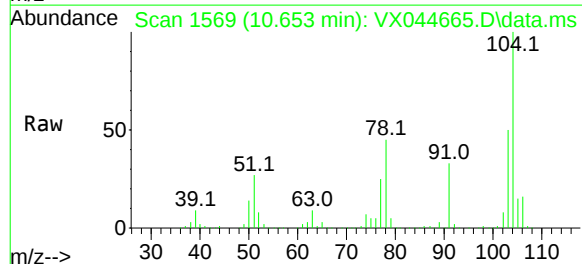
ClientSampleId :

ICVVX011625

Tgt Ion:104	Resp: 128207
Ion Ratio	Lower Upper
104	100
78	51.5 42.0 63.0
103	53.9 43.1 64.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#70

Isopropylbenzene

Concen: 21.060 ug/l

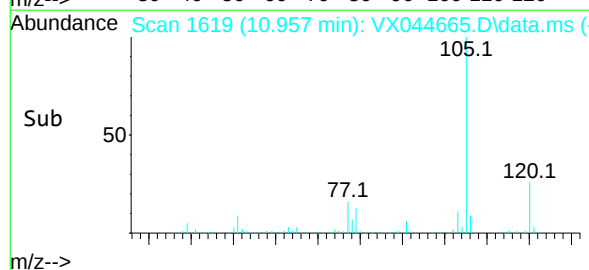
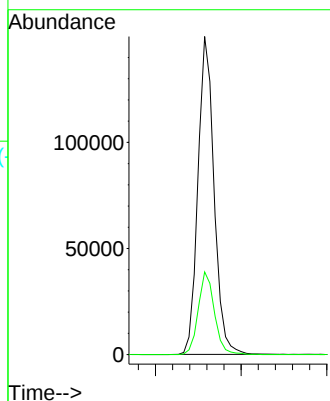
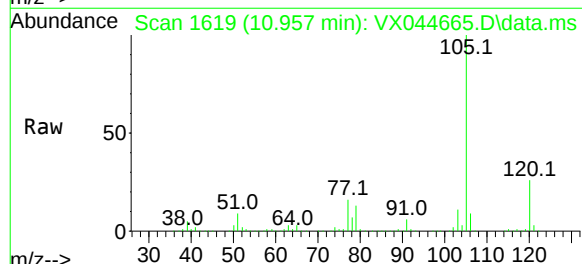
RT: 10.957 min Scan# 1619

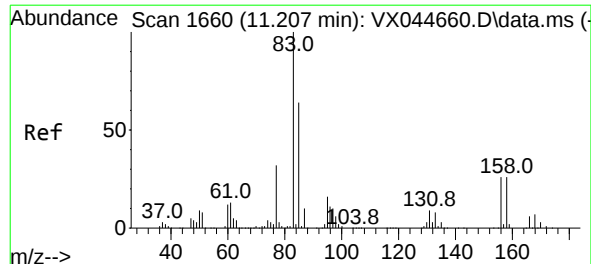
Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Tgt Ion:105	Resp: 195561
Ion Ratio	Lower Upper
105	100
120	26.1 18.6 34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 21.542 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

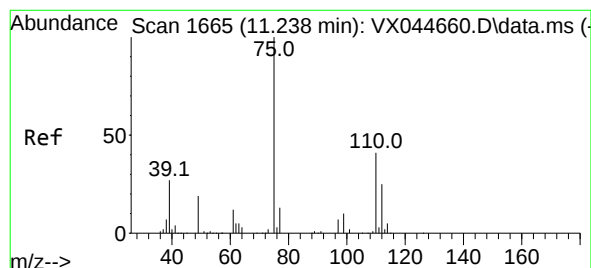
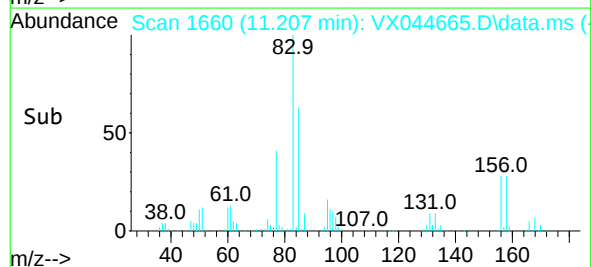
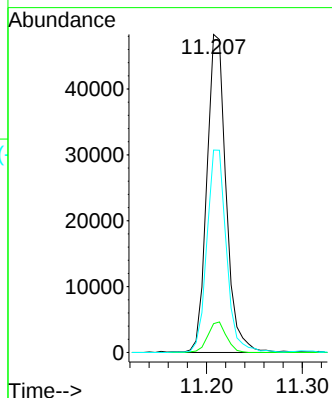
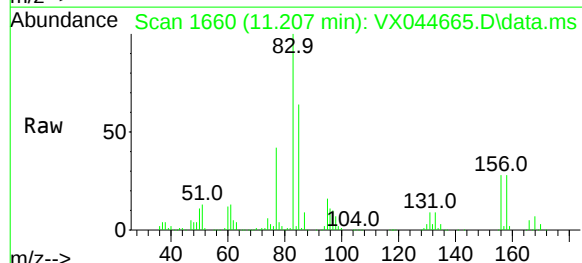
ICVVX011625

Tgt Ion:	83	Resp:	67246
Ion	Ratio	Lower	Upper
83	100		
131	9.3	5.0	14.9
85	63.8	33.0	99.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#72

1,2,3-Trichloropropane

Concen: 21.393 ug/l m

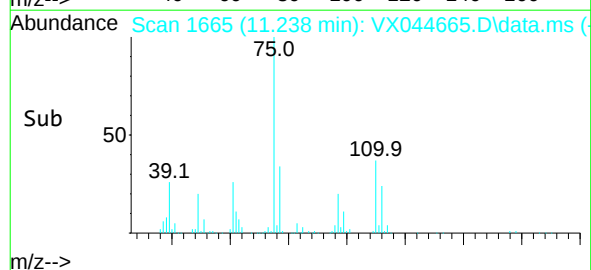
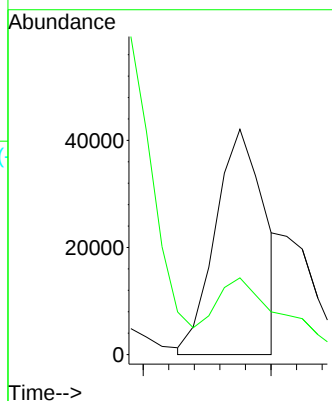
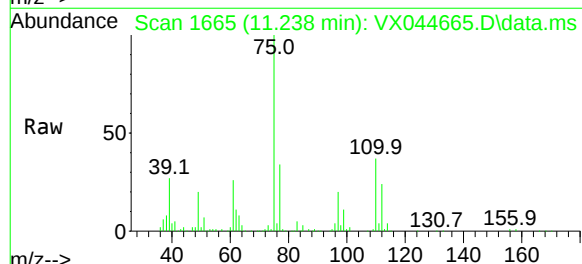
RT: 11.238 min Scan# 1665

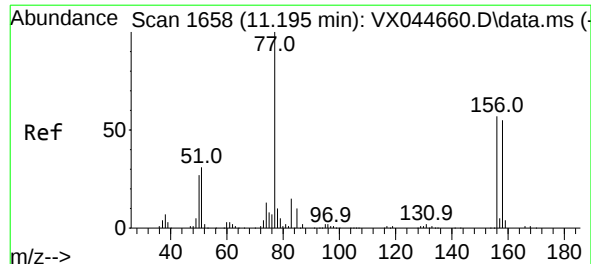
Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Tgt Ion:	75	Resp:	56182
Ion	Ratio	Lower	Upper
75	100		
77	47.2	0.0	83.0





#73

Bromobenzene

Concen: 20.409 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion:156 Resp: 44149

Ion Ratio Lower Upper

156 100

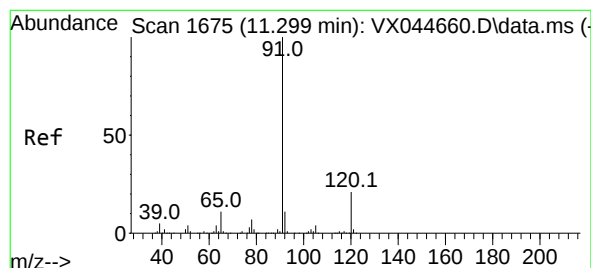
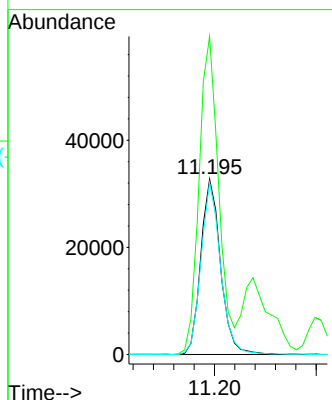
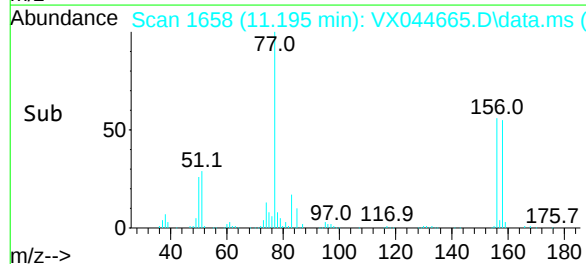
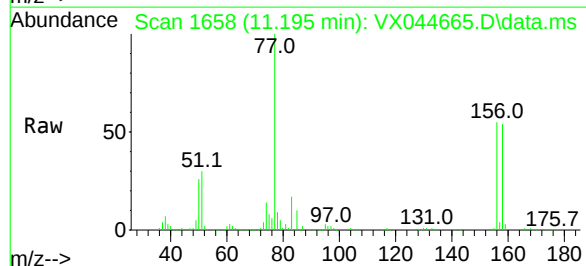
77 180.2 0.0 354.6

158 97.0 0.0 193.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#74

n-propylbenzene

Concen: 21.062 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VX044665.D

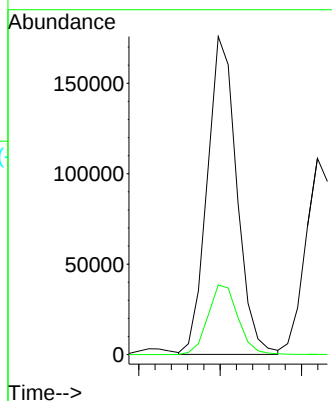
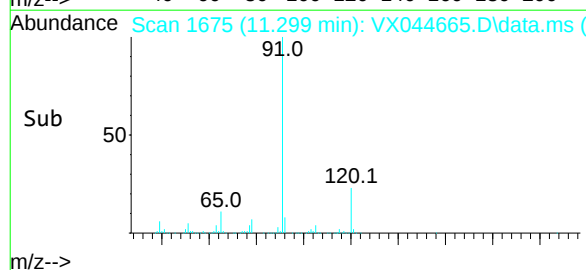
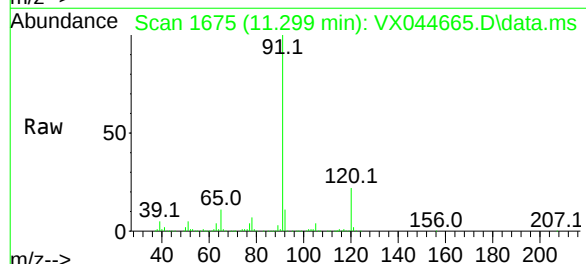
Acq: 16 Jan 2025 11:45

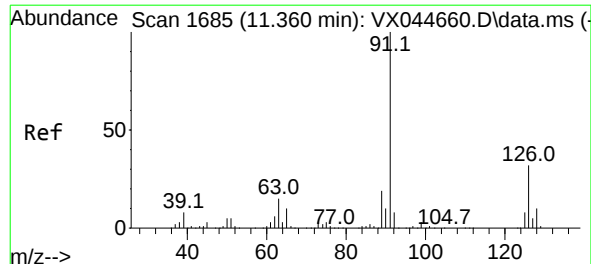
Tgt Ion: 91 Resp: 222144

Ion Ratio Lower Upper

91 100

120 22.3 0.0 45.0





#75

2-Chlorotoluene

Concen: 21.314 ug/l

RT: 11.360 min Scan# 16

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion: 91 Resp: 141333

Ion Ratio Lower Upper

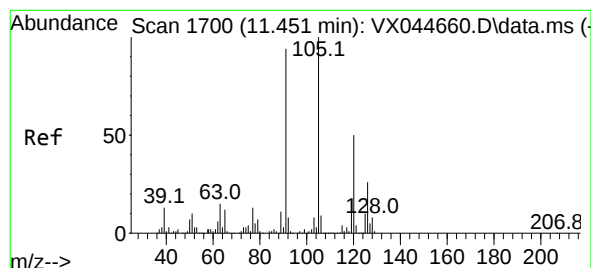
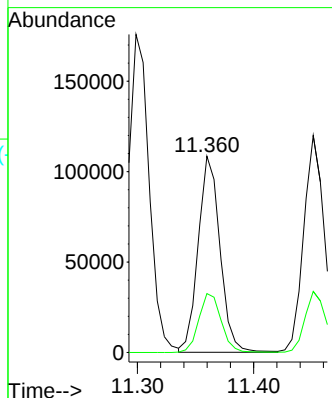
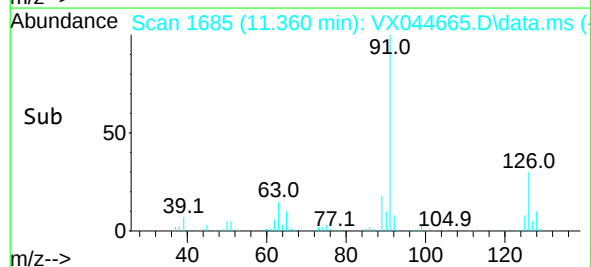
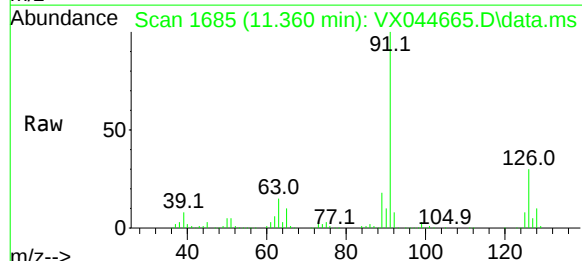
91 100

126 31.0 0.0 64.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#76

1,3,5-Trimethylbenzene

Concen: 21.023 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044665.D

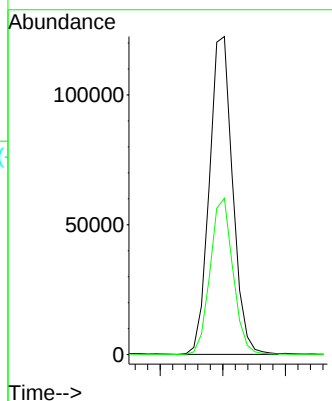
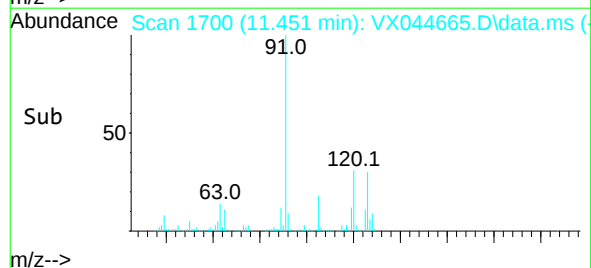
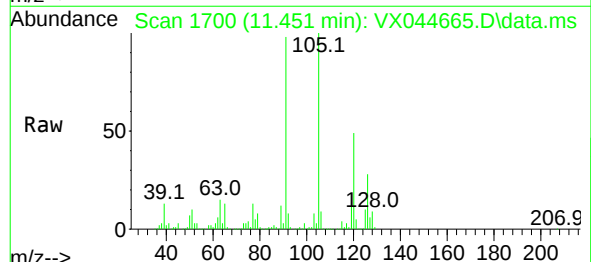
Acq: 16 Jan 2025 11:45

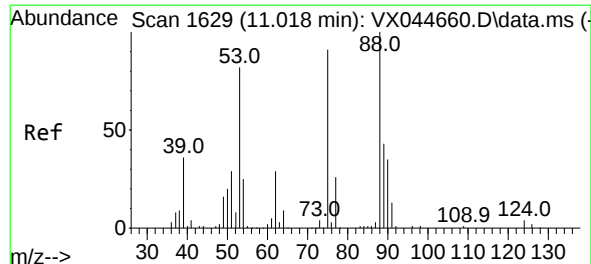
Tgt Ion:105 Resp: 158538

Ion Ratio Lower Upper

105 100

120 48.2 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 20.382 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

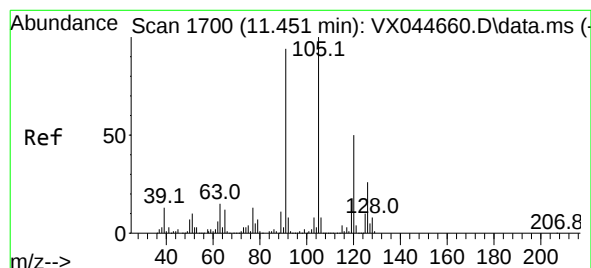
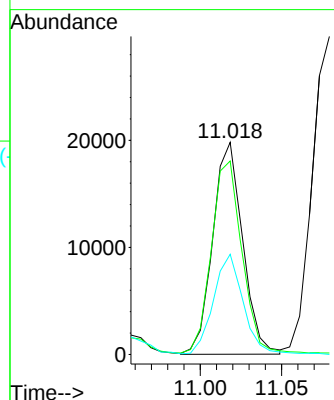
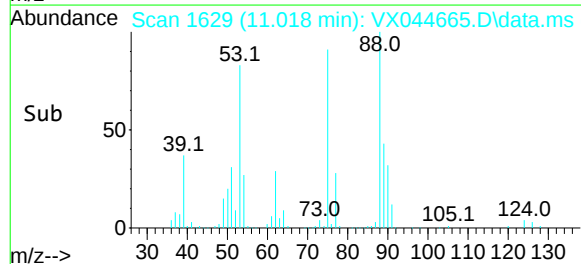
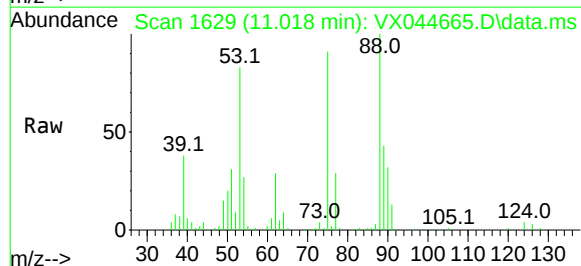
ClientSampleId :

ICVVX011625

Tgt Ion:	75	Resp:	25324
Ion	Ratio	Lower	Upper
75	100		
53	90.9	45.3	135.9
89	47.2	23.8	71.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#78

4-Chlorotoluene

Concen: 20.783 ug/l

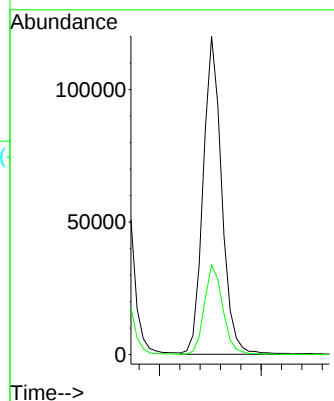
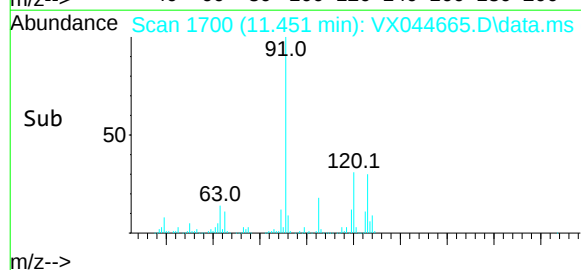
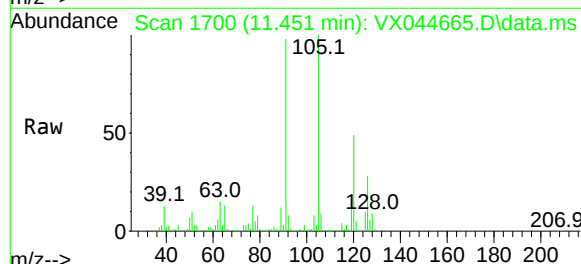
RT: 11.451 min Scan# 1700

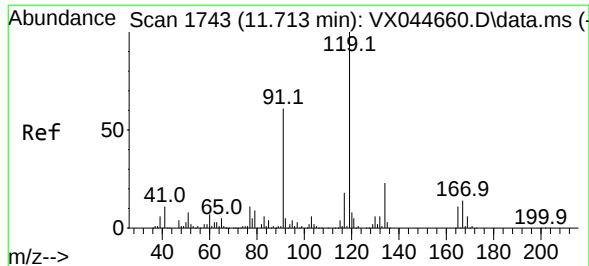
Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Tgt Ion:	91	Resp:	151852
Ion	Ratio	Lower	Upper
91	100		
126	28.4	0.0	55.4





#79

tert-butylbenzene

Concen: 21.282 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion:119 Resp: 164869

Ion Ratio Lower Upper

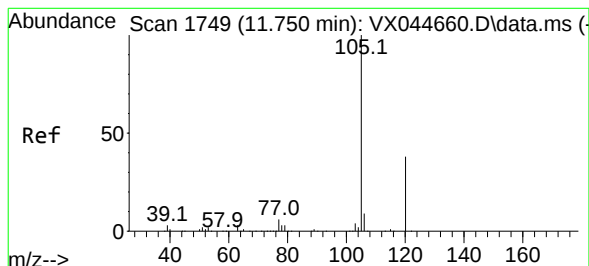
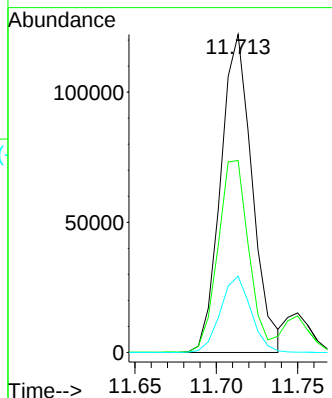
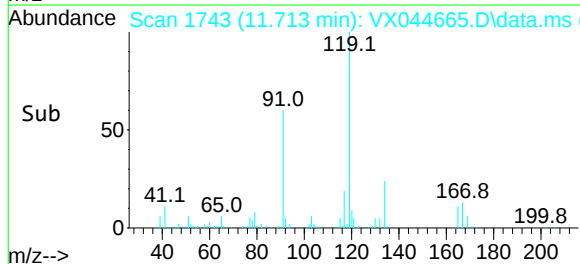
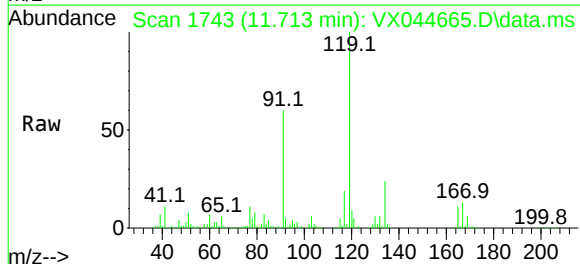
119 100

91 58.6 0.0 119.0

134 23.2 0.0 44.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#80

1,2,4-Trimethylbenzene

Concen: 20.931 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044665.D

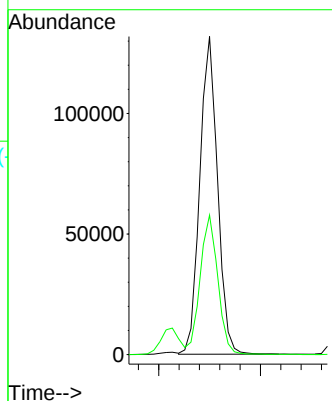
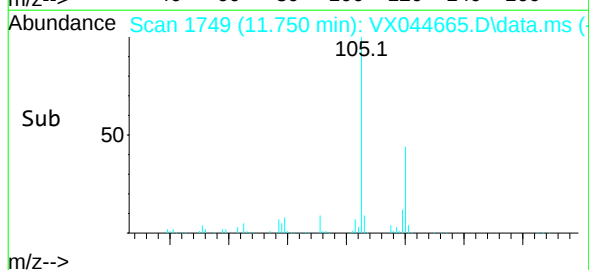
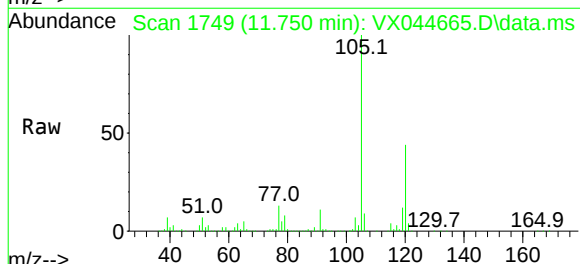
Acq: 16 Jan 2025 11:45

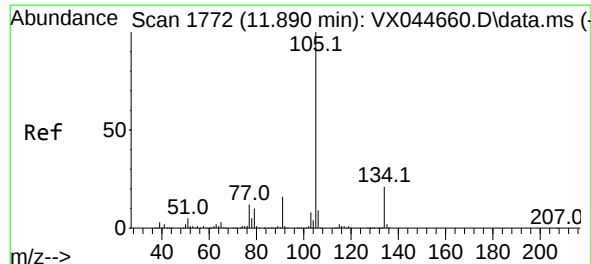
Tgt Ion:105 Resp: 159250

Ion Ratio Lower Upper

105 100

120 43.8 0.0 88.4





#81

sec-Butylbenzene

Concen: 21.421 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion:105 Resp: 198156

Ion Ratio Lower Upper

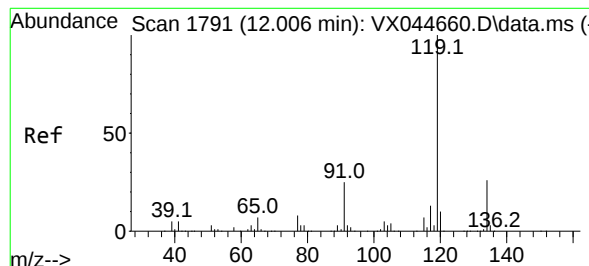
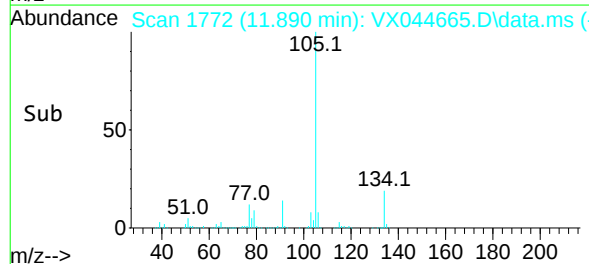
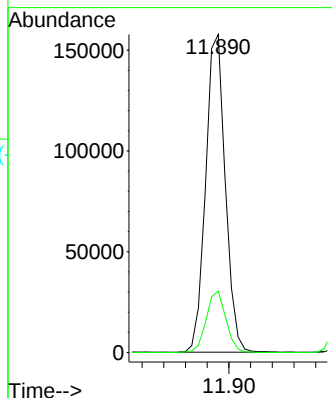
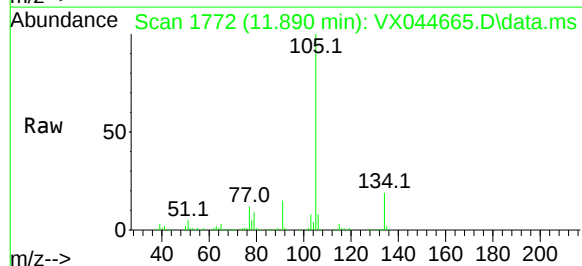
105 100

134 19.3 0.0 39.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#82

p-Isopropyltoluene

Concen: 20.974 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

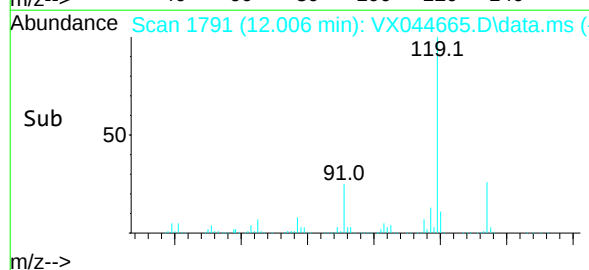
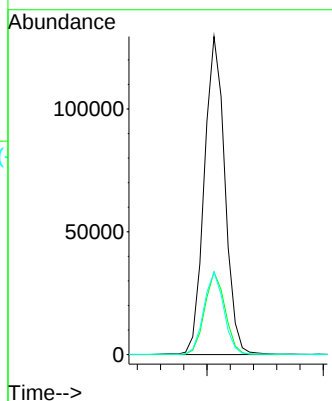
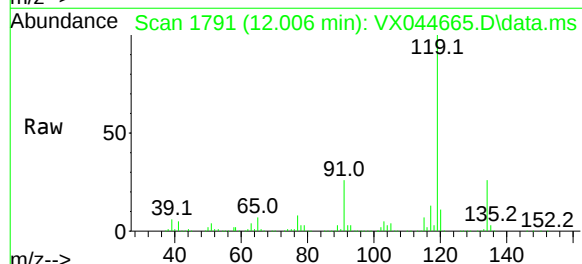
Tgt Ion:119 Resp: 159684

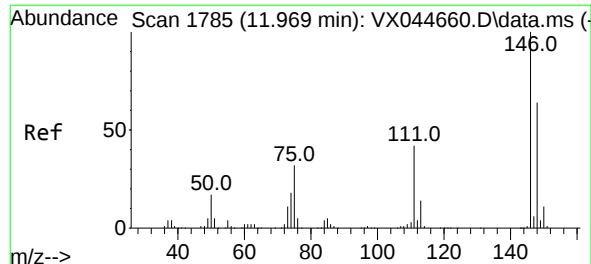
Ion Ratio Lower Upper

119 100

134 25.6 0.0 52.2

91 24.9 0.0 50.2





#83

1,3-Dichlorobenzene

Concen: 20.613 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVVX011625

Tgt Ion:146 Resp: 79203

Ion Ratio Lower Upper

146 100

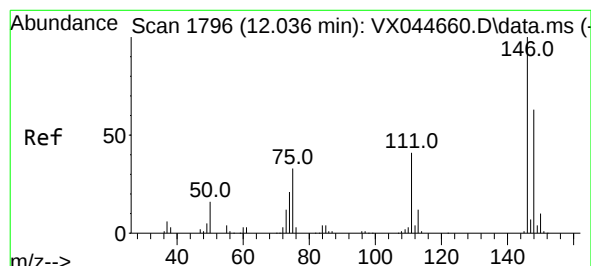
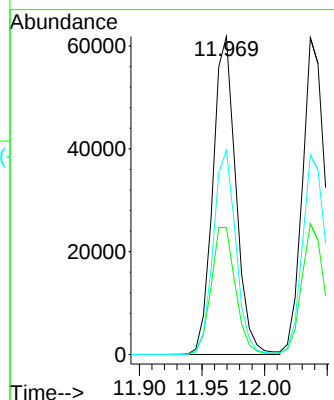
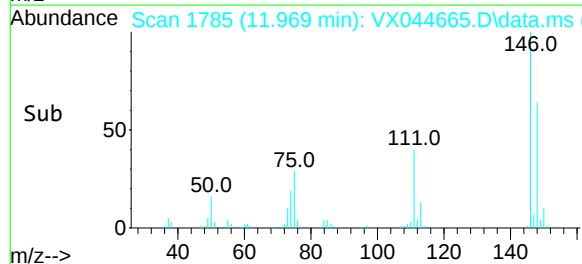
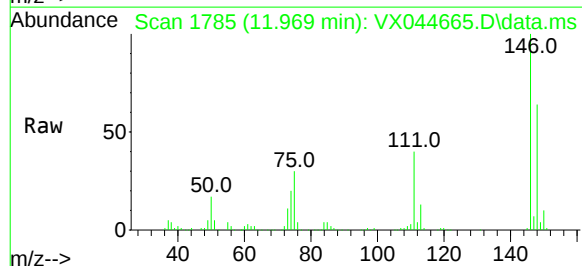
111 41.6 21.6 64.6

148 63.0 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#84

1,4-Dichlorobenzene

Concen: 20.811 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

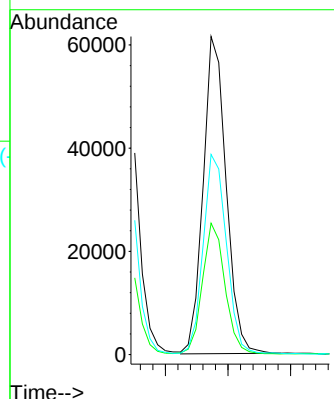
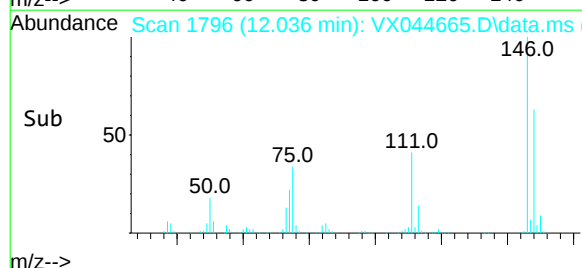
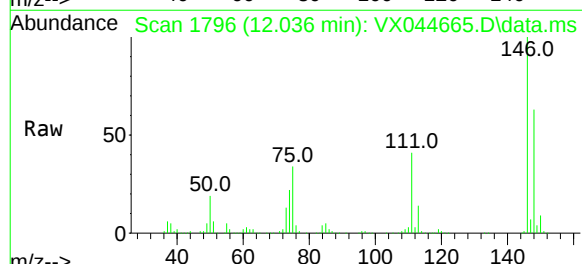
Tgt Ion:146 Resp: 78388

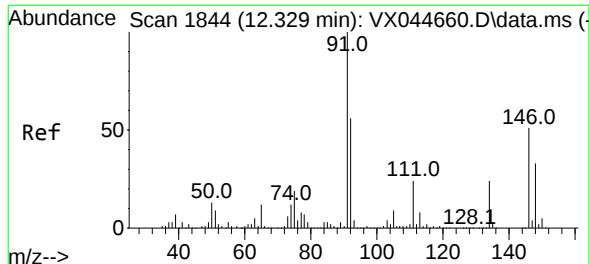
Ion Ratio Lower Upper

146 100

111 40.8 20.8 62.5

148 64.8 32.1 96.5





#85

n-Butylbenzene

Concen: 20.771 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044665.D

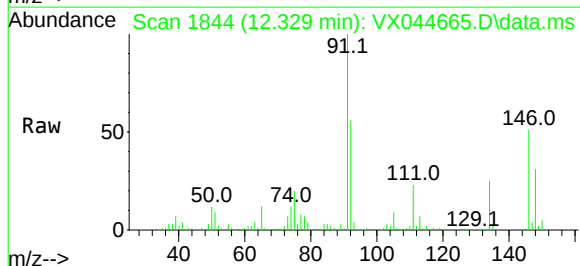
Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625



Tgt Ion: 91 Resp: 137083

Ion Ratio Lower Upper

91 100

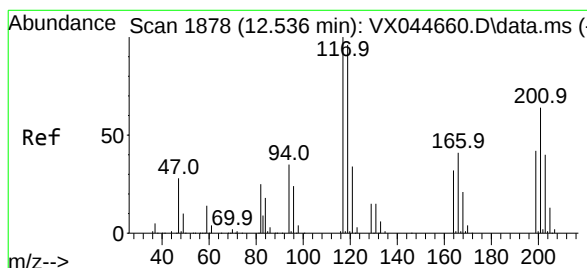
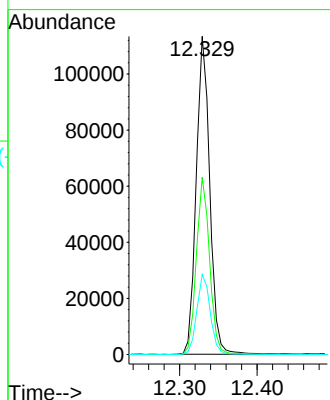
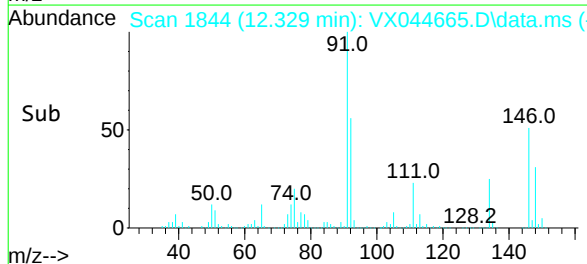
92 54.4 0.0 109.4

134 25.1 0.0 49.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025



#86

Hexachloroethane

Concen: 20.633 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044665.D

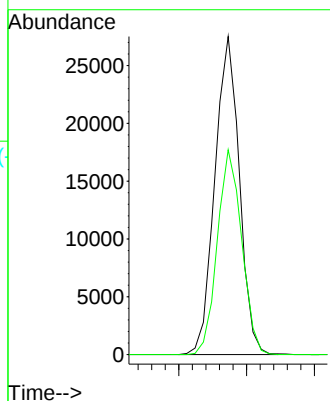
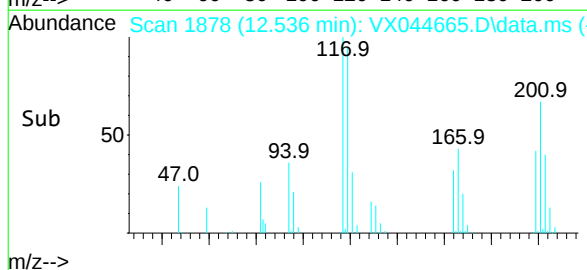
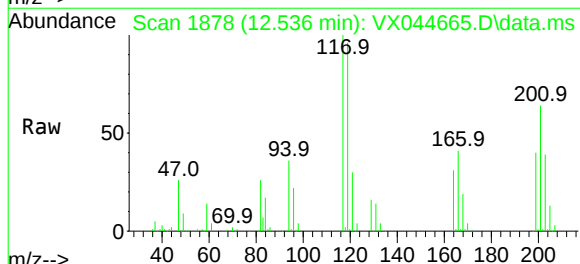
Acq: 16 Jan 2025 11:45

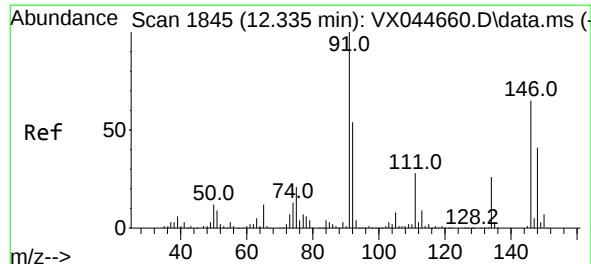
Tgt Ion:117 Resp: 34558

Ion Ratio Lower Upper

117 100

201 63.9 33.0 98.9





#87

1,2-Dichlorobenzene

Concen: 21.206 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion:146 Resp: 81365

Ion Ratio Lower Upper

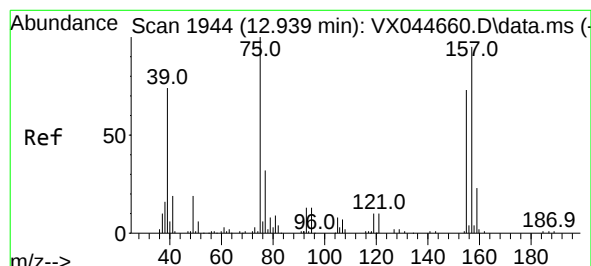
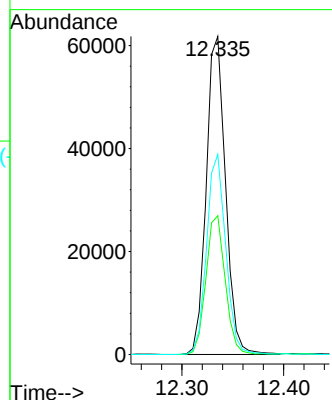
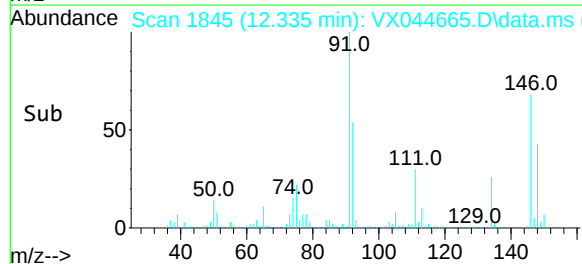
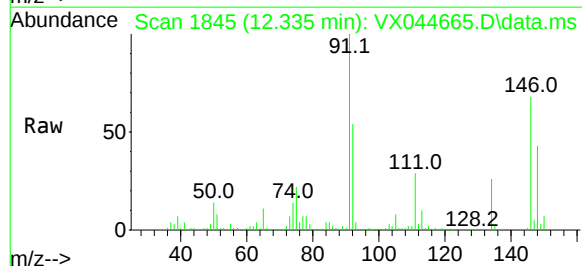
146 100

111 43.6 22.2 66.6

148 62.3 32.1 96.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#88

1,2-Dibromo-3-Chloropropane

Concen: 20.383 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

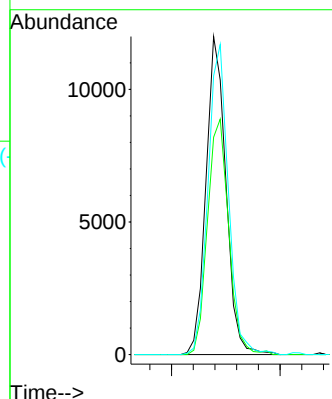
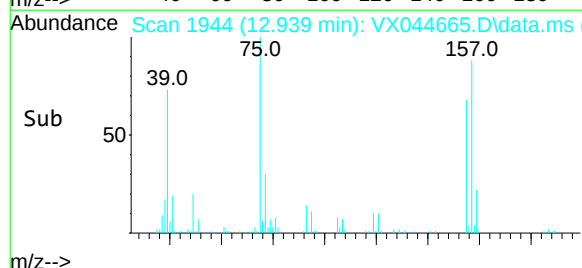
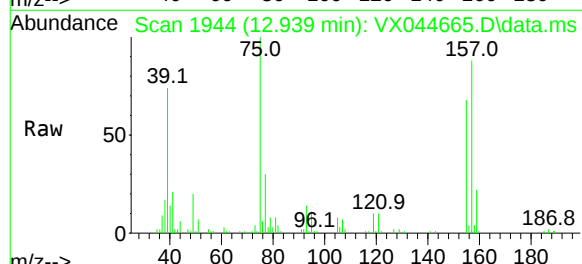
Tgt Ion: 75 Resp: 15325

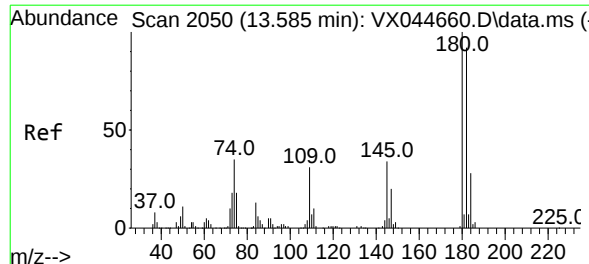
Ion Ratio Lower Upper

75 100

155 78.1 62.3 93.5

157 99.6 79.9 119.9





#89

1,2,4-Trichlorobenzene

Concen: 20.081 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion:180 Resp: 47882

Ion Ratio Lower Upper

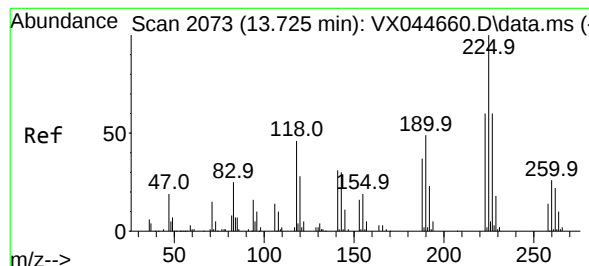
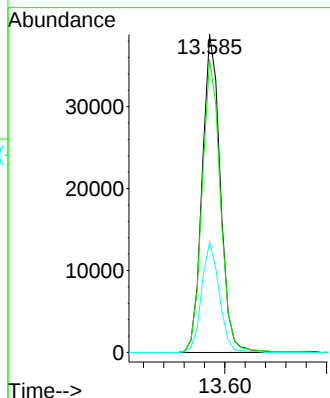
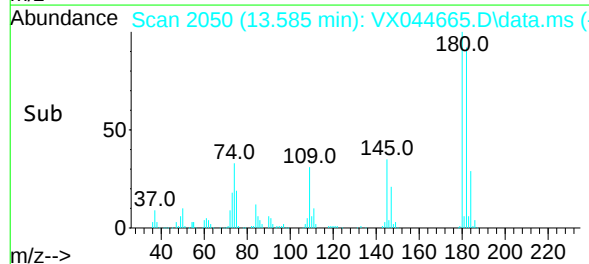
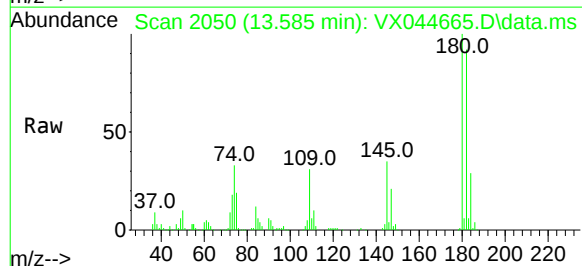
180 100

182 93.1 75.6 113.4

145 34.0 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#90

Hexachlorobutadiene

Concen: 20.548 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

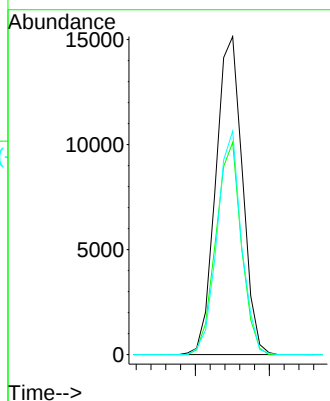
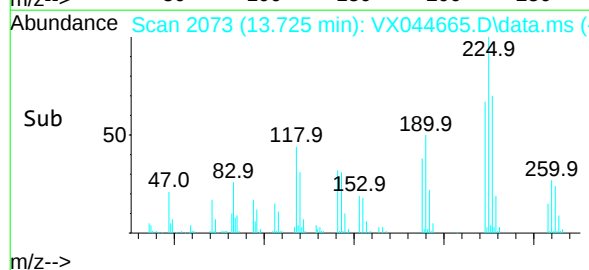
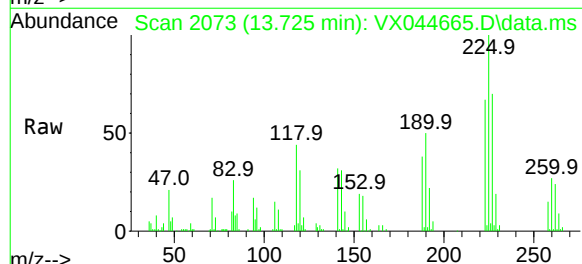
Tgt Ion:225 Resp: 18952

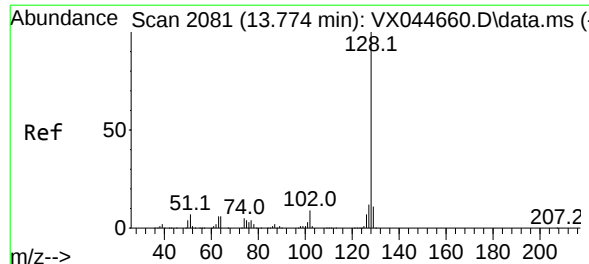
Ion Ratio Lower Upper

225 100

223 63.4 0.0 123.0

227 64.2 0.0 124.2





#91

Naphthalene

Concen: 21.143 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

Instrument :

MSVOA_X

ClientSampleId :

ICVX011625

Tgt Ion:128 Resp: 188608

Ion Ratio Lower Upper

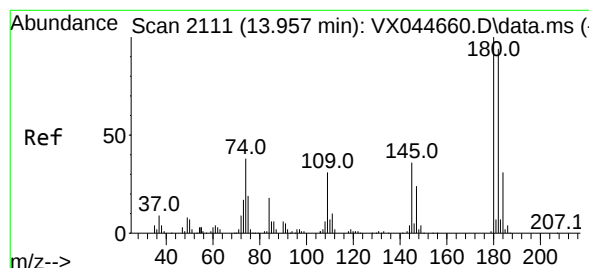
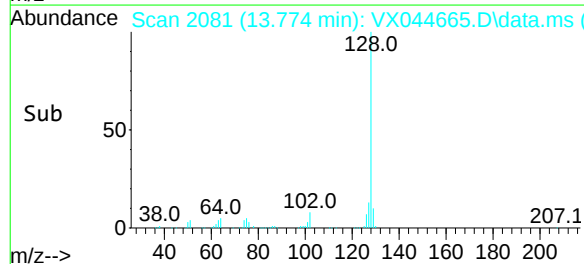
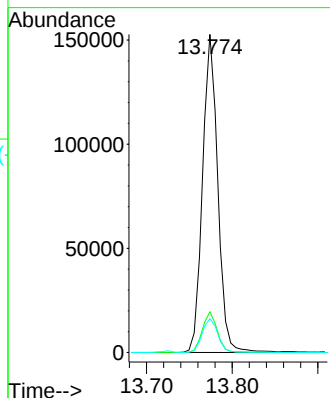
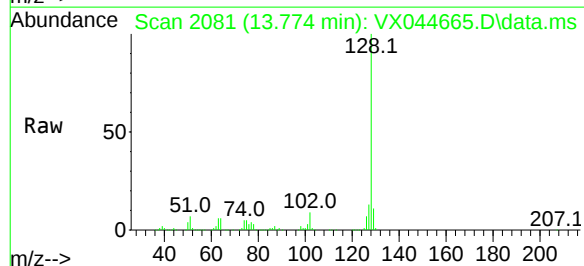
128 100

127 12.6 10.2 15.4

129 10.8 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
Supervised By :Semsettin Yesilyurt 01/17/2025

#92

1,2,3-Trichlorobenzene

Concen: 20.183 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044665.D

Acq: 16 Jan 2025 11:45

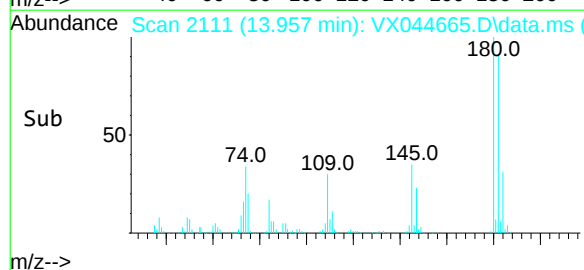
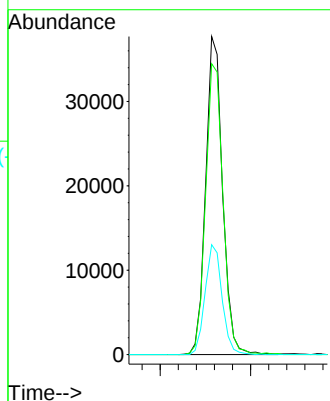
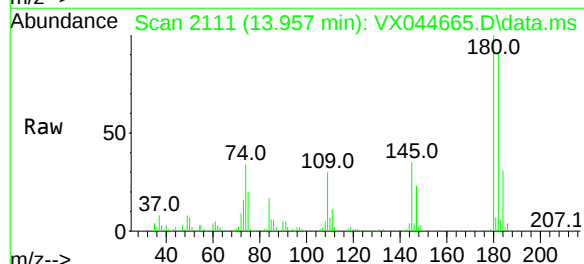
Tgt Ion:180 Resp: 48948

Ion Ratio Lower Upper

180 100

182 94.3 0.0 187.8

145 34.7 0.0 69.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044665.D
 Acq On : 16 Jan 2025 11:45
 Operator :
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011625

Quant Time: Jan 17 01:23:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 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	88	0.00
2 M	Dichlorodifluoromethane	2.667	2.735	-2.5	91	0.00
3 M	Chloromethane	2.806	2.680	4.5	81	0.00
4 M	Vinyl Chloride	2.745	2.794	-1.8	89	0.00
5 M	Bromomethane	0.663	0.642	3.2	87	0.00
6 M	Chloroethane	0.435	0.413	5.1	84	0.00
7 M	Trichlorofluoromethane	3.006	3.193	-6.2	94	0.00
8 T	Diethyl Ether	1.160	1.203	-3.7	92	0.00
9	1,1,2-Trichlorotrifluoroeth	2.154	2.329	-8.1	98	0.00
10 M	1,1-Dichloroethene	2.216	2.271	-2.5	92	0.00
11	Methyl Iodide	3.071	3.054	0.6	86	0.00
12	Methyl Acetate	3.235	3.424	-5.8	96	0.00
13 M	Acrolein	0.358	0.359	-0.3	107	0.00
14 M	Acrylonitrile	1.179	1.251	-6.1	92	0.00
15 M	Acetone	0.316	0.361	-14.2	102	0.00
16 M	Carbon Disulfide	6.158	6.358	-3.2	91	0.00
17	Allyl chloride	3.996	4.158	-4.1	90	0.00
18 M	Methylene Chloride	2.480	2.452	1.1	85	0.00
19 M	trans-1,2-Dichloroethene	2.203	2.254	-2.3	90	0.00
20 T	Diisopropyl ether	7.253	7.644	-5.4	90	0.00
21 M	1,1-Dichloroethane	4.303	4.433	-3.0	90	0.00
22 M	cis-1,2-Dichloroethene	2.727	2.776	-1.8	86	0.00
23 M	tert-Butyl Alcohol	0.570	0.595	-4.4	89	0.00
24 M	Methyl tert-Butyl Ether	7.678	7.924	-3.2	89	0.00
25 M	Chloroform	4.275	4.380	-2.5	88	0.00
26	Cyclohexane	3.616	3.879	-7.3	95	0.00
27 s	1,2-Dichloroethane-d4	2.896	2.879	0.6	88	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
29	1,1-Dichloropropene	0.522	0.551	-5.6	93	0.00
30 M	2-Butanone	0.287	0.307	-7.0	91	0.00
31	2,2-Dichloropropane	0.722	0.753	-4.3	91	-0.01
32 M	1,1,1-Trichloroethane	0.692	0.710	-2.6	89	0.00
33 M	Carbon Tetrachloride	0.583	0.610	-4.6	91	0.00
34 M	Benzene	1.665	1.740	-4.5	88	0.00
35	Methacrylonitrile	0.320	0.336	-5.0	91	0.00
36 M	1,2-Dichloroethane	0.595	0.609	-2.4	87	0.00
37 M	Trichloroethene	0.402	0.415	-3.2	90	0.00
38	Methylcyclohexane	0.709	0.775	-9.3	98	0.00
39 M	1,2-Dichloropropane	0.415	0.433	-4.3	89	0.00
40	Dibromomethane	0.309	0.316	-2.3	88	0.00
41 M	Bromodichloromethane	0.637	0.646	-1.4	86	0.00
42 M	Vinyl Acetate	1.138	1.220	-7.2	90	0.00
43	Ethyl Acetate	0.562	0.590	-5.0	87	0.00
44	Isopropyl Acetate	1.010	1.052	-4.2	88	0.00
45 T	1,4-Dioxane	0.010	0.010	0.0	83	-0.01
46	Methyl methacrylate	0.494	0.492	0.4	85	0.00
47	n-amyl Acetate	0.848	0.883	-4.1	86	0.00
48 M	t-1,3-Dichloropropene	0.673	0.676	-0.4	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044665.D
 Acq On : 16 Jan 2025 11:45
 Operator :
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011625

Quant Time: Jan 17 01:23:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 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	0.721	0.735	-1.9	86	0.00
50 M	1,1,2-Trichloroethane	0.397	0.413	-4.0	86	0.00
51	Ethyl methacrylate	0.691	0.705	-2.0	86	0.00
52	1,3-Dichloropropane	0.687	0.708	-3.1	86	0.00
53 M	Dibromochloromethane	0.475	0.476	-0.2	83	0.00
54 M	1,2-Dibromoethane	0.420	0.432	-2.9	86	0.00
55 M	2-Chloroethyl vinyl ether	0.335	0.349	-4.2	87	0.00
56 M	Bromoform	0.315	0.313	0.6	85	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	84	0.00
58 M	4-Methyl-2-Pentanone	0.632	0.688	-8.9	89	0.00
59 M	2-Hexanone	0.463	0.506	-9.3	90	0.00
60 S	4-Bromofluorobenzene	0.583	0.579	0.7	84	0.00
61 M	Tetrachloroethene	0.360	0.375	-4.2	90	0.00
62 M	Toluene	1.975	2.042	-3.4	87	0.00
63 S	Toluene-d8	1.632	1.666	-2.1	86	0.00
64 M	Chlorobenzene	1.227	1.255	-2.3	86	0.00
65	1,1,1,2-Tetrachloroethane	0.441	0.459	-4.1	87	0.00
66 M	Ethyl Benzene	2.156	2.245	-4.1	86	0.00
67 M	m/p-Xylenes	0.792	0.838	-5.8	86	0.00
68 M	o-Xylene	0.795	0.846	-6.4	86	0.00
69 M	Styrene	1.306	1.380	-5.7	85	0.00
70	Isopropylbenzene	1.999	2.105	-5.3	86	0.00
71 M	1,1,2,2-Tetrachloroethane	0.672	0.724	-7.7	89	0.00
72	1,2,3-Trichloropropane	0.565	0.605	-7.1	87	0.00
73	Bromobenzene	0.466	0.475	-1.9	84	0.00
74	n-propylbenzene	2.271	2.392	-5.3	87	0.00
75	2-Chlorotoluene	1.428	1.522	-6.6	87	0.00
76	1,3,5-Trimethylbenzene	1.624	1.707	-5.1	86	0.00
77	t-1,4-Dichloro-2-butene	0.268	0.273	-1.9	86	0.00
78	4-Chlorotoluene	1.573	1.635	-3.9	85	0.00
79	tert-butylbenzene	1.668	1.775	-6.4	86	0.00
80	1,2,4-Trimethylbenzene	1.638	1.714	-4.6	85	0.00
81	sec-Butylbenzene	1.992	2.133	-7.1	88	0.00
82	p-Isopropyltoluene	1.639	1.719	-4.9	86	0.00
83 M	1,3-Dichlorobenzene	0.827	0.853	-3.1	85	0.00
84 M	1,4-Dichlorobenzene	0.811	0.844	-4.1	85	0.00
85	n-Butylbenzene	1.421	1.476	-3.9	87	0.00
86 T	Hexachloroethane	0.361	0.372	-3.0	87	0.00
87 M	1,2-Dichlorobenzene	0.826	0.876	-6.1	86	0.00
88	1,2-Dibromo-3-Chloropropane	0.162	0.165	-1.9	87	0.00
89	1,2,4-Trichlorobenzene	0.513	0.515	-0.4	87	0.00
90	Hexachlorobutadiene	0.199	0.204	-2.5	86	0.00
91 M	Naphthalene	1.921	2.031	-5.7	88	0.00
92	1,2,3-Trichlorobenzene	0.522	0.527	-1.0	84	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044665.D
 Acq On : 16 Jan 2025 11:45
 Operator :
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011625

Quant Time: Jan 17 01:23:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 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	88	0.00
2 M	Dichlorodifluoromethane	20.000	20.509	-2.5	91	0.00
3 M	Chloromethane	20.000	19.100	4.5	81	0.00
4 M	Vinyl Chloride	20.000	20.352	-1.8	89	0.00
5 M	Bromomethane	20.000	19.362	3.2	87	0.00
6 M	Chloroethane	20.000	18.963	5.2	84	0.00
7 M	Trichlorofluoromethane	20.000	21.244	-6.2	94	0.00
8 T	Diethyl Ether	20.000	20.751	-3.8	92	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	21.630	-8.1	98	0.00
10 M	1,1-Dichloroethene	20.000	20.500	-2.5	92	0.00
11	Methyl Iodide	20.000	19.893	0.5	86	0.00
12	Methyl Acetate	20.000	21.168	-5.8	96	0.00
13 M	Acrolein	100.000	100.289	-0.3	107	0.00
14 M	Acrylonitrile	100.000	106.105	-6.1	92	0.00
15 M	Acetone	100.000	114.138	-14.1	102	0.00
16 M	Carbon Disulfide	20.000	20.650	-3.2	91	0.00
17	Allyl chloride	20.000	20.812	-4.1	90	0.00
18 M	Methylene Chloride	20.000	19.777	1.1	85	0.00
19 M	trans-1,2-Dichloroethene	20.000	20.458	-2.3	90	0.00
20 T	Diisopropyl ether	20.000	21.077	-5.4	90	0.00
21 M	1,1-Dichloroethane	20.000	20.604	-3.0	90	0.00
22 M	cis-1,2-Dichloroethene	20.000	20.361	-1.8	86	0.00
23 M	tert-Butyl Alcohol	100.000	104.428	-4.4	89	0.00
24 M	Methyl tert-Butyl Ether	20.000	20.642	-3.2	89	0.00
25 M	Chloroform	20.000	20.489	-2.4	88	0.00
26	Cyclohexane	20.000	21.454	-7.3	95	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.821	0.6	88	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	88	0.00
29	1,1-Dichloropropene	20.000	21.106	-5.5	93	0.00
30 M	2-Butanone	100.000	107.032	-7.0	91	0.00
31	2,2-Dichloropropane	20.000	20.869	-4.3	91	-0.01
32 M	1,1,1-Trichloroethane	20.000	20.522	-2.6	89	0.00
33 M	Carbon Tetrachloride	20.000	20.898	-4.5	91	0.00
34 M	Benzene	20.000	20.899	-4.5	88	0.00
35	Methacrylonitrile	20.000	20.958	-4.8	91	0.00
36 M	1,2-Dichloroethane	20.000	20.476	-2.4	87	0.00
37 M	Trichloroethene	20.000	20.651	-3.3	90	0.00
38	Methylcyclohexane	20.000	21.851	-9.3	98	0.00
39 M	1,2-Dichloropropane	20.000	20.847	-4.2	89	0.00
40	Dibromomethane	20.000	20.456	-2.3	88	0.00
41 M	Bromodichloromethane	20.000	20.283	-1.4	86	0.00
42 M	Vinyl Acetate	100.000	107.208	-7.2	90	0.00
43	Ethyl Acetate	20.000	20.996	-5.0	87	0.00
44	Isopropyl Acetate	20.000	20.825	-4.1	88	0.00
45 T	1,4-Dioxane	400.000	403.967	-1.0	83	-0.01
46	Methyl methacrylate	20.000	19.893	0.5	85	0.00
47	n-amyl Acetate	20.000	20.825	-4.1	86	0.00
48 M	t-1,3-Dichloropropene	20.000	20.098	-0.5	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044665.D
 Acq On : 16 Jan 2025 11:45
 Operator :
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX011625

Quant Time: Jan 17 01:23:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	20.389	-1.9	86	0.00
50 M	1,1,2-Trichloroethane	20.000	20.759	-3.8	86	0.00
51	Ethyl methacrylate	20.000	20.416	-2.1	86	0.00
52	1,3-Dichloropropane	20.000	20.610	-3.0	86	0.00
53 M	Dibromochloromethane	20.000	20.035	-0.2	83	0.00
54 M	1,2-Dibromoethane	20.000	20.554	-2.8	86	0.00
55 M	2-Chloroethyl vinyl ether	100.000	104.044	-4.0	87	0.00
56 M	Bromoform	20.000	19.895	0.5	85	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	84	0.00
58 M	4-Methyl-2-Pentanone	100.000	108.729	-8.7	89	0.00
59 M	2-Hexanone	100.000	109.252	-9.3	90	0.00
60 S	4-Bromofluorobenzene	30.000	29.820	0.6	84	0.00
61 M	Tetrachloroethene	20.000	20.867	-4.3	90	0.00
62 M	Toluene	20.000	20.674	-3.4	87	0.00
63 S	Toluene-d8	30.000	30.639	-2.1	86	0.00
64 M	Chlorobenzene	20.000	20.464	-2.3	86	0.00
65	1,1,1,2-Tetrachloroethane	20.000	20.848	-4.2	87	0.00
66 M	Ethyl Benzene	20.000	20.829	-4.1	86	0.00
67 M	m/p-Xylenes	40.000	42.296	-5.7	86	0.00
68 M	o-Xylene	20.000	21.283	-6.4	86	0.00
69 M	Styrene	20.000	21.140	-5.7	85	0.00
70	Isopropylbenzene	20.000	21.060	-5.3	86	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	21.542	-7.7	89	0.00
72	1,2,3-Trichloropropane	20.000	21.393	-7.0	87	0.00
73	Bromobenzene	20.000	20.409	-2.0	84	0.00
74	n-propylbenzene	20.000	21.062	-5.3	87	0.00
75	2-Chlorotoluene	20.000	21.314	-6.6	87	0.00
76	1,3,5-Trimethylbenzene	20.000	21.023	-5.1	86	0.00
77	t-1,4-Dichloro-2-butene	20.000	20.382	-1.9	86	0.00
78	4-Chlorotoluene	20.000	20.783	-3.9	85	0.00
79	tert-butylbenzene	20.000	21.282	-6.4	86	0.00
80	1,2,4-Trimethylbenzene	20.000	20.931	-4.7	85	0.00
81	sec-Butylbenzene	20.000	21.421	-7.1	88	0.00
82	p-Isopropyltoluene	20.000	20.974	-4.9	86	0.00
83 M	1,3-Dichlorobenzene	20.000	20.613	-3.1	85	0.00
84 M	1,4-Dichlorobenzene	20.000	20.811	-4.1	85	0.00
85	n-Butylbenzene	20.000	20.771	-3.9	87	0.00
86 T	Hexachloroethane	20.000	20.633	-3.2	87	0.00
87 M	1,2-Dichlorobenzene	20.000	21.206	-6.0	86	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	20.383	-1.9	87	0.00
89	1,2,4-Trichlorobenzene	20.000	20.081	-0.4	87	0.00
90	Hexachlorobutadiene	20.000	20.548	-2.7	86	0.00
91 M	Naphthalene	20.000	21.143	-5.7	88	0.00
92	1,2,3-Trichlorobenzene	20.000	20.183	-0.9	84	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.: Q1319 SAS No.: Q1319 SDG No.: Q1319

Instrument ID: MSVOA_X Calibration Date/Time: 02/07/2025 10:01

Lab File ID: VX044856.D Init. Calib. Date(s): 01/16/2025 01/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:39 10:12

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Benzene	1.665	1.701	0.5	2.16	
Toluene	1.975	2.024	0.4	2.48	
Ethyl Benzene	2.156	2.199	0.1	1.99	
m/p-Xylenes	0.792	0.839	0.3	5.93	
o-Xylene	0.795	0.821	0.3	3.27	
1,2-Dichloroethane-d4	2.896	2.855	0.01	-1.42	
Toluene-d8	1.632	1.671	0.01	2.39	
4-Bromofluorobenzene	0.583	0.548	0.2	-6	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044856.D
 Acq On : 07 Feb 2025 10:01
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/10/2025
 Supervised By : Mahesh Dadoda 02/10/2025

Quant Time: Feb 07 22:09:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	21982	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	127777	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	110326	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	62760	29.574	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.567%	
60) 4-Bromofluorobenzene	11.079	95	60460	28.214	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	94.033%	
63) Toluene-d8	8.641	98	184306	30.715	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	102.367%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	38681	19.791	ug/l	97
3) Chloromethane	1.301	50	42278	20.564	ug/l	97
4) Vinyl Chloride	1.374	62	41628	20.694	ug/l	96
5) Bromomethane	1.593	94	12595	25.907	ug/l	97
6) Chloroethane	1.666	64	20717	64.954	ug/l	99
7) Trichlorofluoromethane	1.874	101	55890	25.371	ug/l	100
8) Diethyl Ether	2.130	74	20088	23.637	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.319	101	34708	21.992	ug/l	98
10) 1,1-Dichloroethene	2.313	96	33764	20.795	ug/l	92
11) Methyl Iodide	2.447	142	43273	19.232	ug/l	99
12) Methyl Acetate	2.697	43	58515	24.685	ug/l	96
13) Acrolein	2.233	56	29319	111.844	ug/l	99
14) Acrylonitrile	3.063	53	100150	115.945	ug/l	98
15) Acetone	2.380	58	26153	112.837	ug/l	94
16) Carbon Disulfide	2.502	76	88049	19.513	ug/l	99
17) Allyl chloride	2.654	41	61903	21.141	ug/l	96
18) Methylene Chloride	2.782	84	37753	20.777	ug/l	95
19) trans-1,2-Dichloroethene	3.081	96	33403	20.689	ug/l	97
20) Diisopropyl ether	3.751	45	121085	22.783	ug/l	91
21) 1,1-Dichloroethane	3.599	63	66264	21.018	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	41572	20.804	ug/l	98
23) tert-Butyl Alcohol	2.971	59	37368	89.445	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	110896	19.712	ug/l	100
25) Chloroform	5.080	83	64304	20.527	ug/l	96
26) Cyclohexane	5.458	56	59159	22.326	ug/l #	97
29) 1,1-Dichloropropene	5.684	75	45030	20.261	ug/l	98
30) 2-Butanone	4.550	43	131275	107.525	ug/l	99
31) 2,2-Dichloropropane	4.465	77	54146	17.605	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	54507	18.506	ug/l	96
33) Carbon Tetrachloride	5.666	117	44931	18.084	ug/l	96
34) Benzene	6.032	78	144891	20.434	ug/l	98
35) Methacrylonitrile	4.916	41	28022	20.536	ug/l	97
36) 1,2-Dichloroethane	6.074	62	47132	18.591	ug/l	99
37) Trichloroethene	7.117	130	32691	19.095	ug/l	99
38) Methylcyclohexane	7.373	83	61391	20.330	ug/l	99
39) 1,2-Dichloropropane	7.422	63	36029	20.376	ug/l	99
40) Dibromomethane	7.574	93	25309	19.253	ug/l	99
41) Bromodichloromethane	7.818	83	50263	18.517	ug/l	100
42) Vinyl Acetate	3.715	43	472565	97.465	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044856.D
 Acq On : 07 Feb 2025 10:01
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/10/2025
 Supervised By : Mahesh Dadoda 02/10/2025

Quant Time: Feb 07 22:09:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	49972	20.866	ug/l	# 94
44) Isopropyl Acetate	6.336	43	83898	19.500	ug/l	97
45) 1,4-Dioxane	7.659	88	16798	410.012	ug/l	96
46) Methyl methacrylate	7.690	41	39054	18.544	ug/l	97
47) n-amyl Acetate	10.842	43	66186	18.330	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	48829	17.043	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	55813	18.168	ug/l	97
50) 1,1,2-Trichloroethane	9.147	97	33901	20.024	ug/l	98
51) Ethyl methacrylate	9.110	69	52415	17.821	ug/l	92
52) 1,3-Dichloropropane	9.305	76	58140	19.855	ug/l	99
53) Dibromochloromethane	9.519	129	36378	17.982	ug/l	98
54) 1,2-Dibromoethane	9.604	107	33803	18.887	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	131426	92.096	ug/l	98
56) Bromoform	10.799	173	22911	17.079	ug/l	99
58) 4-Methyl-2-Pentanone	8.568	43	260866	112.176	ug/l	97
59) 2-Hexanone	9.427	43	186586	109.594	ug/l	98
61) Tetrachloroethene	9.269	164	27625	20.874	ug/l	96
62) Toluene	8.714	91	148843	20.489	ug/l	98
64) Chlorobenzene	10.073	112	93379	20.697	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	29766	18.366	ug/l	99
66) Ethyl Benzene	10.189	91	161727	20.400	ug/l	98
67) m/p-Xylenes	10.299	106	123472	42.369	ug/l	96
68) o-Xylene	10.640	106	60359	20.637	ug/l	98
69) Styrene	10.653	104	98668	20.547	ug/l	98
70) Isopropylbenzene	10.957	105	155103	21.094	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	50682	20.504	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	41926m	20.161	ug/l	
73) Bromobenzene	11.195	156	34212	19.973	ug/l	97
74) n-propylbenzene	11.299	91	179572	21.501	ug/l	99
75) 2-Chlorotoluene	11.360	91	106713	20.324	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	125572	21.029	ug/l	99
77) t-1,4-Dichloro-2-butene	11.012	75	15500	15.755	ug/l	92
78) 4-Chlorotoluene	11.451	91	117523	20.313	ug/l	98
79) tert-butylbenzene	11.713	119	126472	20.617	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	124696	20.698	ug/l	100
81) sec-Butylbenzene	11.890	105	157354	21.482	ug/l	100
82) p-Isopropyltoluene	12.006	119	126371	20.962	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	61987	20.374	ug/l	99
84) 1,4-Dichlorobenzene	12.037	146	61448	20.602	ug/l	97
85) n-Butylbenzene	12.329	91	111034	21.247	ug/l	99
86) Hexachloroethane	12.536	117	23450	17.682	ug/l	95
87) 1,2-Dichlorobenzene	12.335	146	61141	20.124	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	9565	16.066	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	35685	18.900	ug/l	98
90) Hexachlorobutadiene	13.725	225	15274	20.914	ug/l	98
91) Naphthalene	13.774	128	132248	18.722	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	36318	18.912	ug/l	99

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

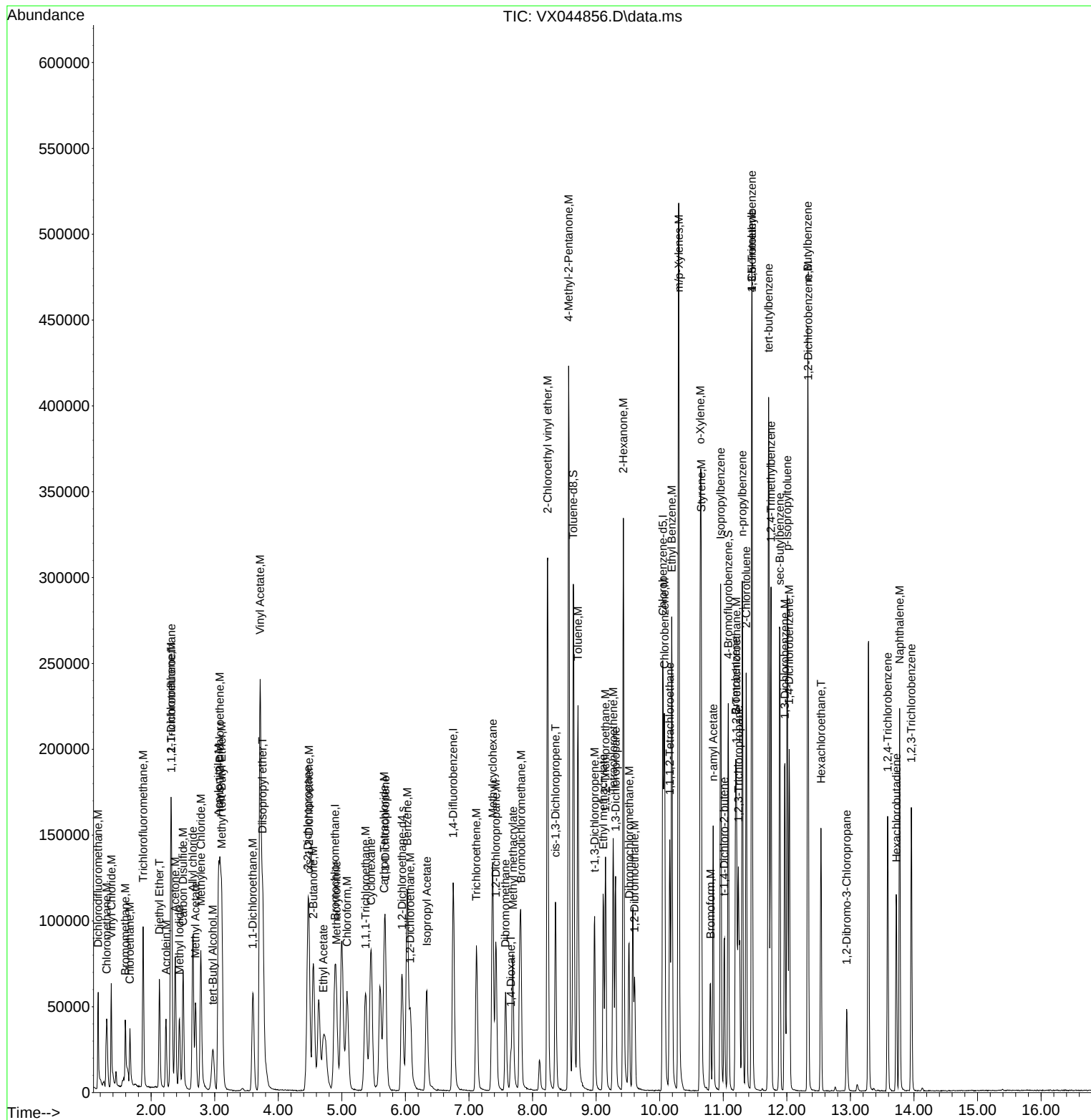
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Data File : VX044856.D
Acq On : 07 Feb 2025 10:01
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

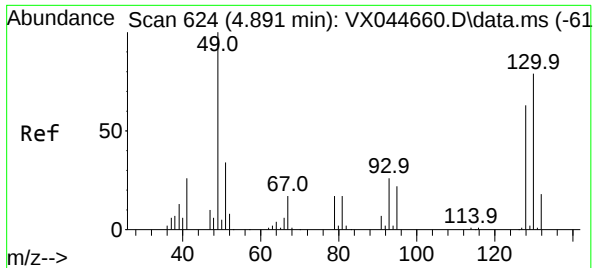
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025

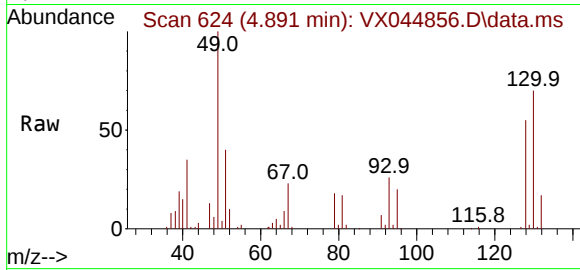
Quant Time: Feb 07 22:09:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

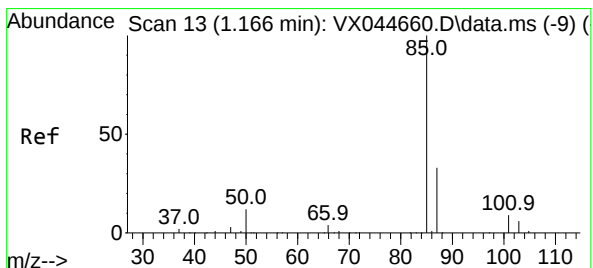
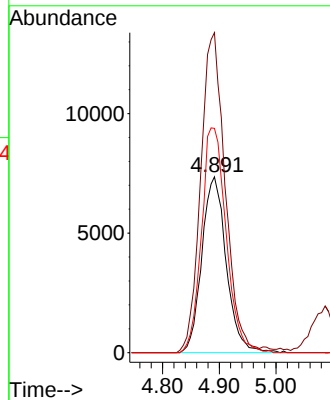
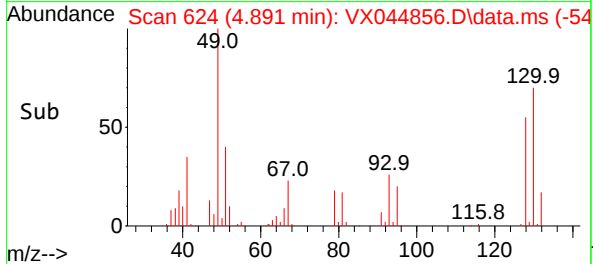
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 2198
Ion Ratio Lower Upper
128 100
49 182.4 0.0 411.5
130 129.0 0.0 324.3

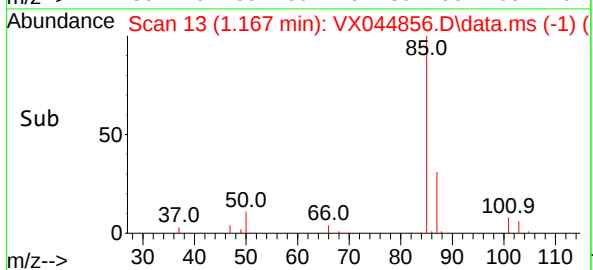
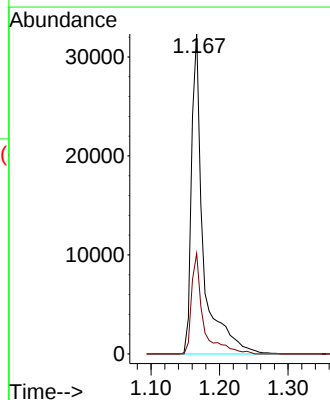
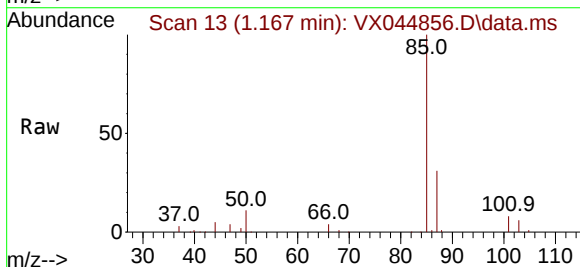
Manual Integrations
APPROVED

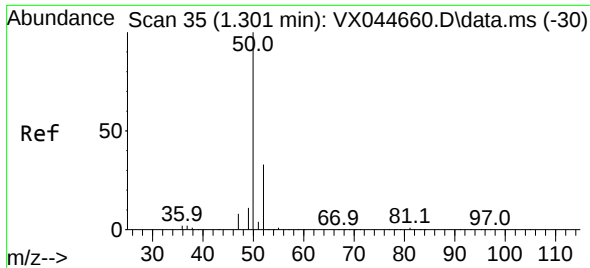
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#2
Dichlorodifluoromethane
Concen: 19.791 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

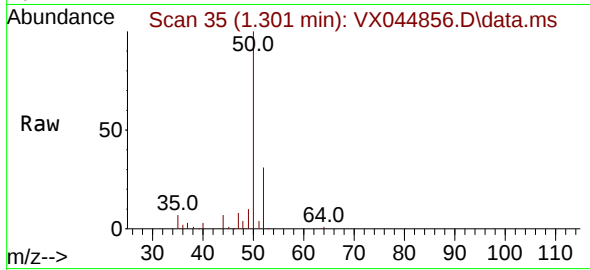
Tgt Ion: 85 Resp: 38681
Ion Ratio Lower Upper
85 100
87 31.4 16.6 49.8





#3
Chloromethane
Concen: 20.564 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

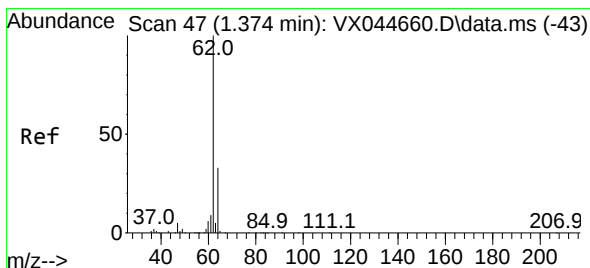
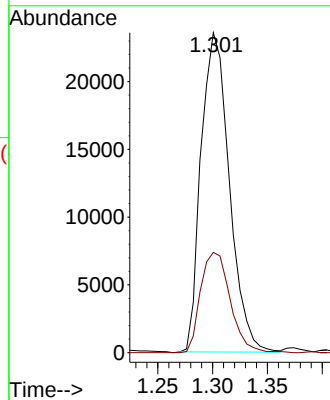
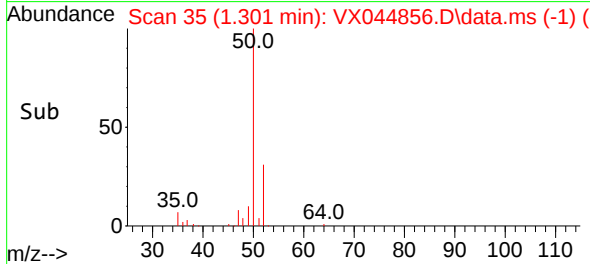
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 50 Resp: 42278
Ion Ratio Lower Upper
50 100
52 31.4 26.5 39.7

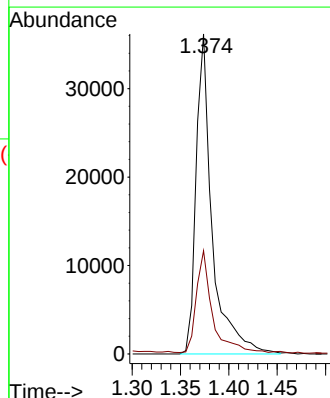
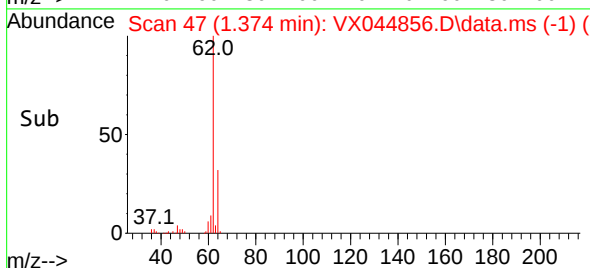
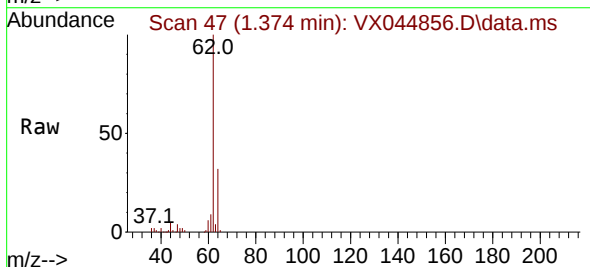
Manual Integrations
APPROVED

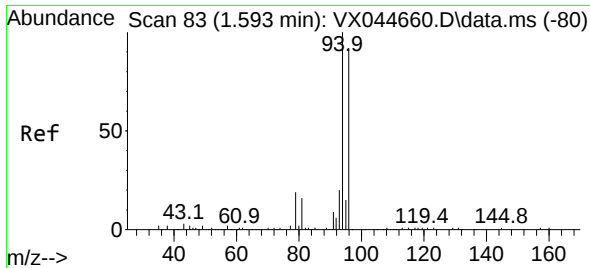
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#4
Vinyl Chloride
Concen: 20.694 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

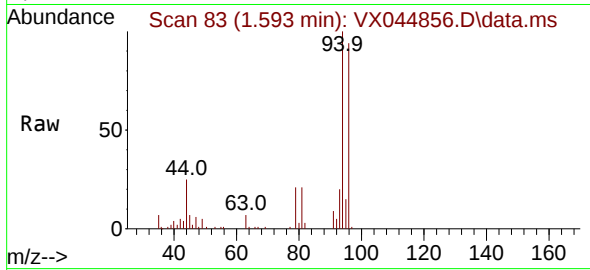
Tgt Ion: 62 Resp: 41628
Ion Ratio Lower Upper
62 100
64 31.8 27.3 40.9





#5
Bromomethane
Concen: 25.907 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

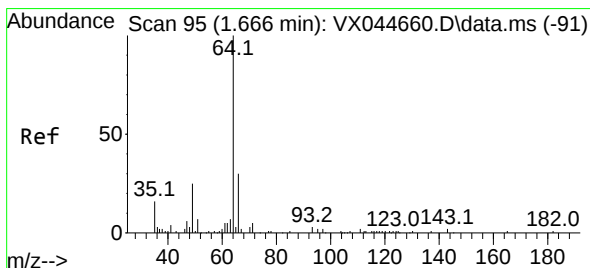
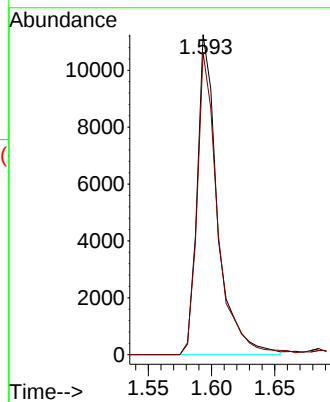
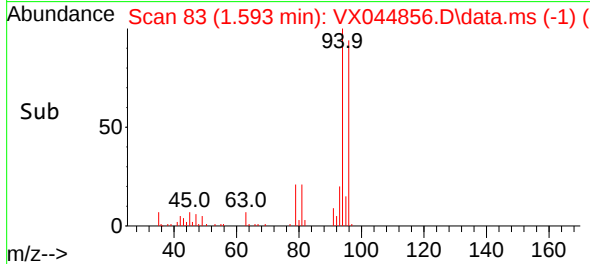
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 94 Resp: 1259
Ion Ratio Lower Upper
94 100
96 94.5 73.3 109.9

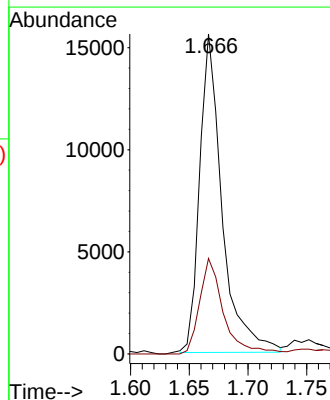
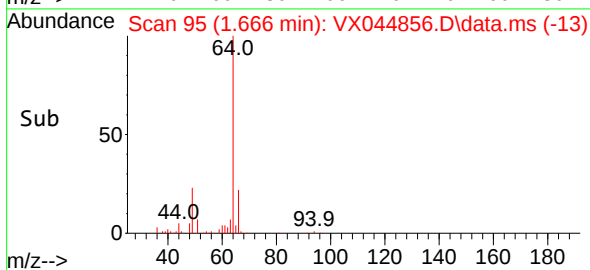
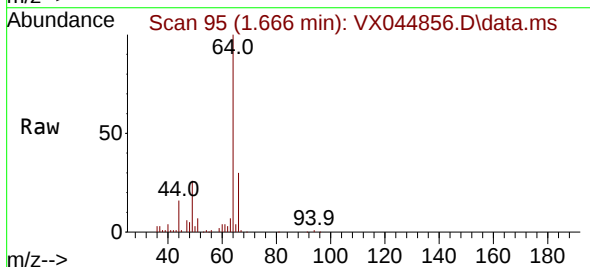
Manual Integrations
APPROVED

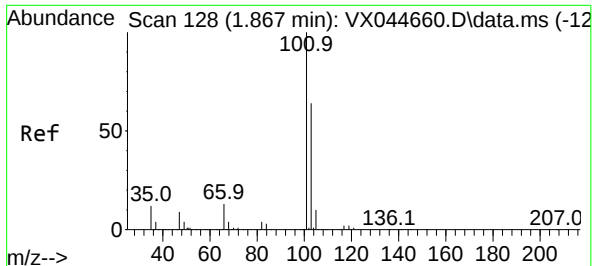
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#6
Chloroethane
Concen: 64.954 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

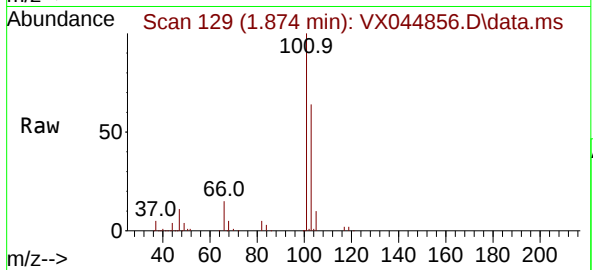
Tgt Ion: 64 Resp: 20717
Ion Ratio Lower Upper
64 100
66 30.1 23.8 35.6





#7
Trichlorofluoromethane
Concen: 25.371 ug/l
RT: 1.874 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

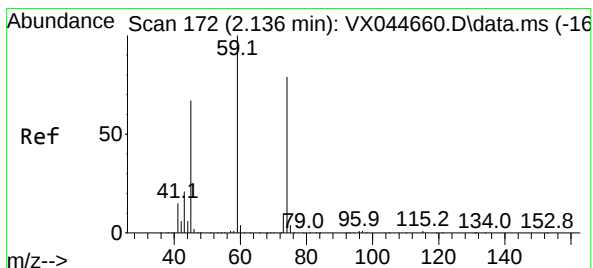
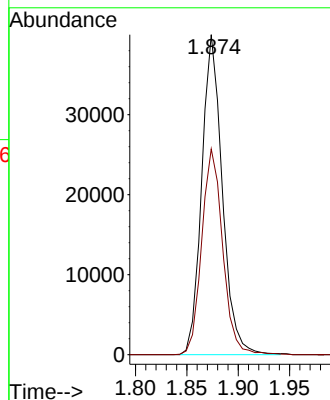
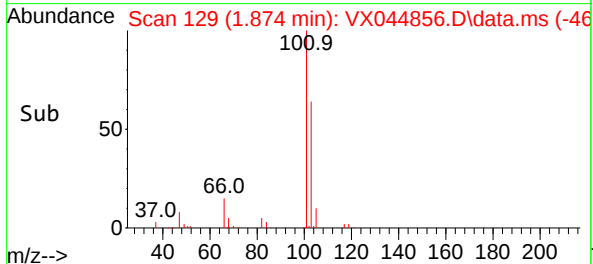
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion:101 Resp: 55890
Ion Ratio Lower Upper
101 100
103 64.1 51.1 76.7

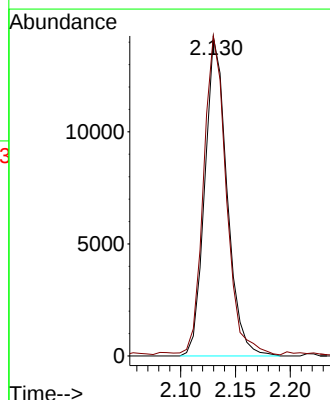
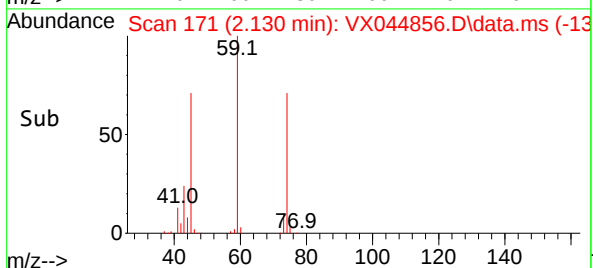
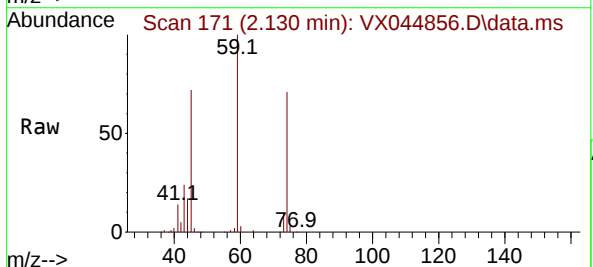
Manual Integrations
APPROVED

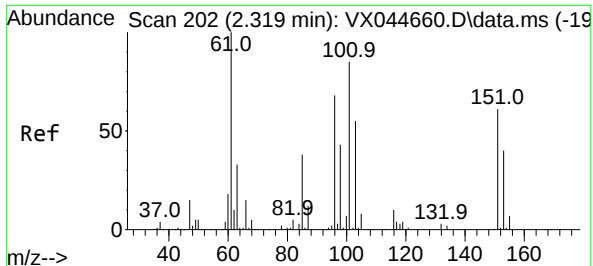
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#8
Diethyl Ether
Concen: 23.637 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Tgt Ion: 74 Resp: 20088
Ion Ratio Lower Upper
74 100
45 102.5 18.8 168.8





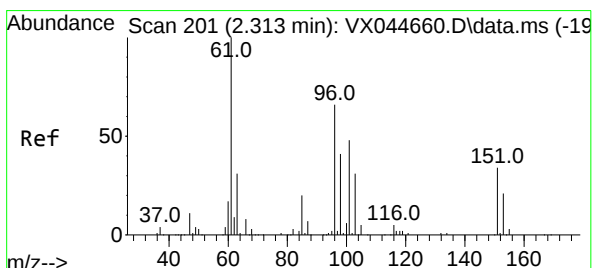
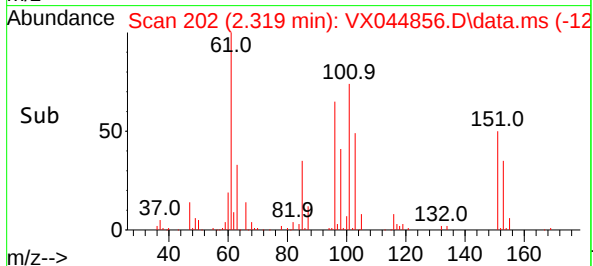
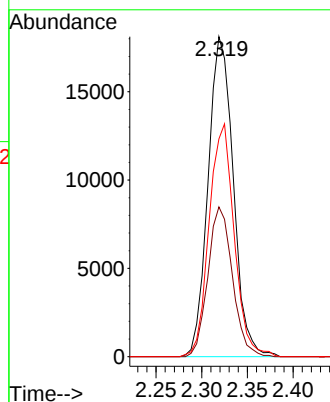
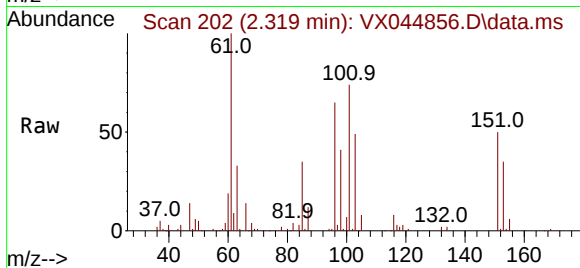
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.992 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion:101 Resp: 34708
Ion Ratio Lower Upper
101 100
85 45.5 0.0 88.0
151 72.5 0.0 147.0

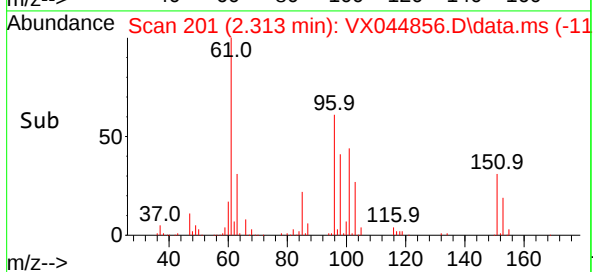
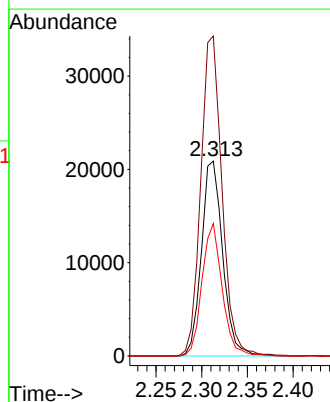
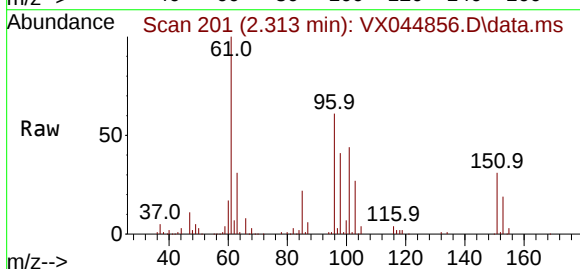
Manual Integrations
APPROVED

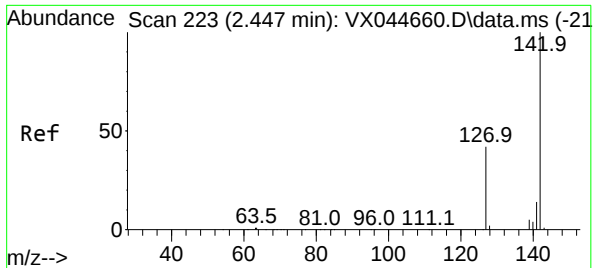
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#10
1,1-Dichloroethene
Concen: 20.795 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

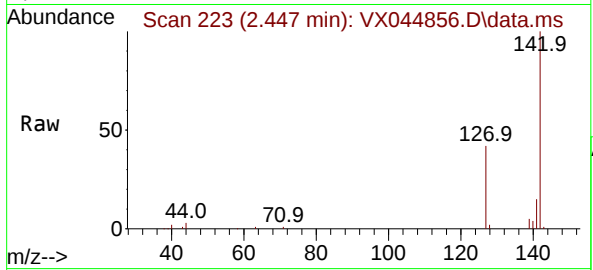
Tgt Ion: 96 Resp: 33764
Ion Ratio Lower Upper
96 100
61 163.8 121.6 182.4
98 68.0 50.3 75.5





#11
Methyl Iodide
Concen: 19.232 ug/l
RT: 2.447 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

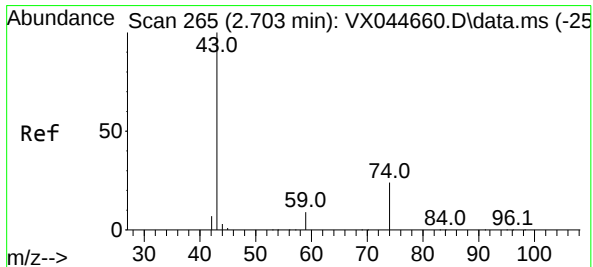
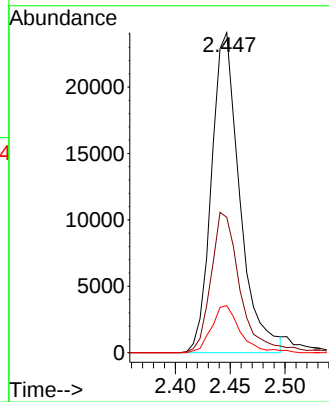
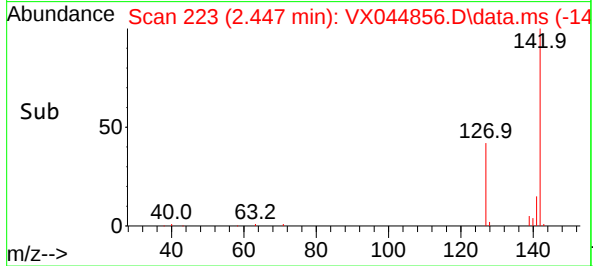
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 4327
Ion Ratio Lower Upper
142 100
127 42.3 20.8 62.4
141 14.7 7.0 20.9

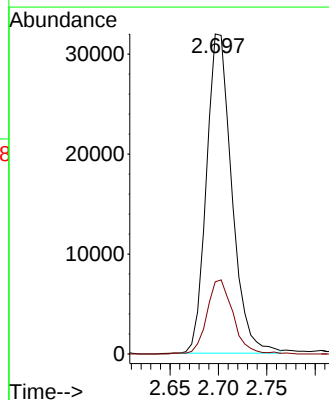
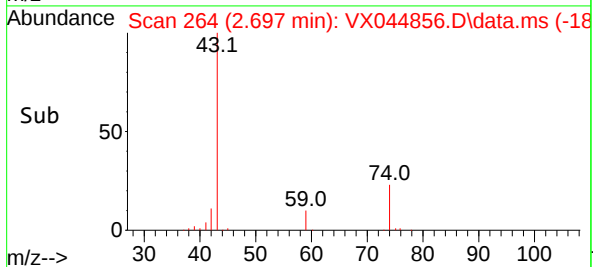
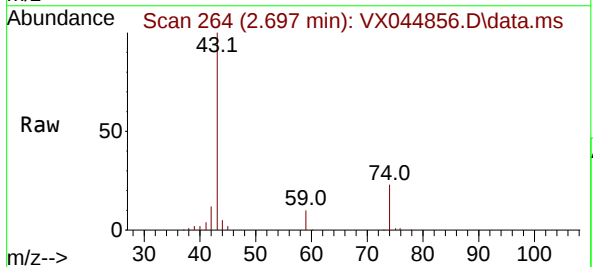
Manual Integrations
APPROVED

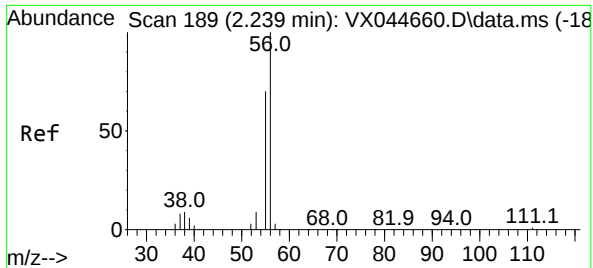
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#12
Methyl Acetate
Concen: 24.685 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

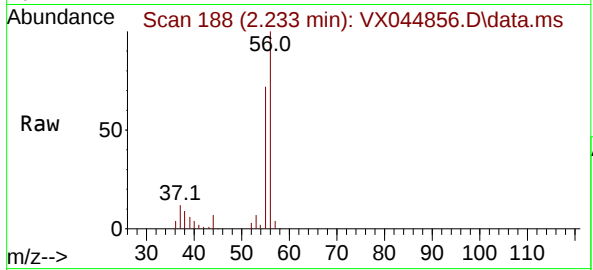
Tgt Ion: 43 Resp: 58515
Ion Ratio Lower Upper
43 100
74 22.5 19.4 29.2





#13
Acrolein
Concen: 111.844 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

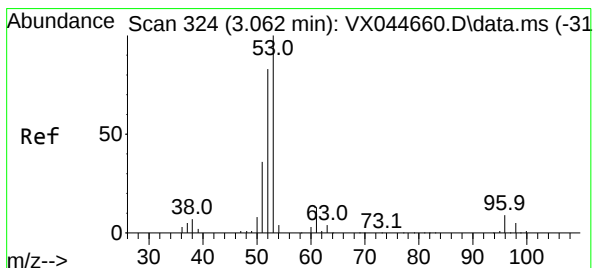
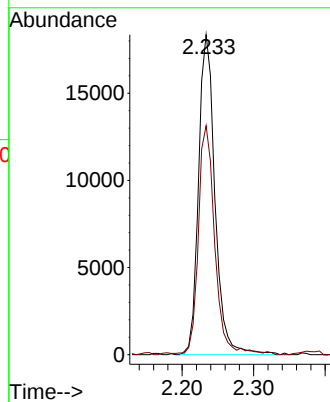
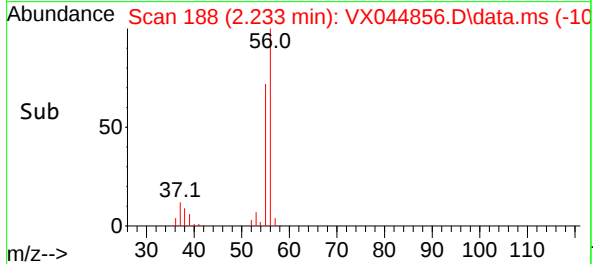
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 56 Resp: 29319
Ion Ratio Lower Upper
56 100
55 70.9 57.5 86.3

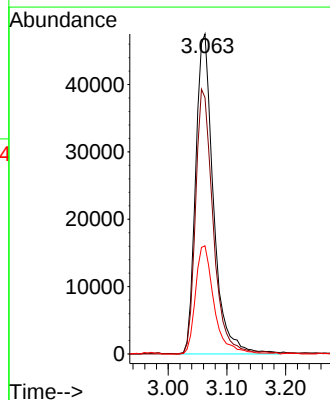
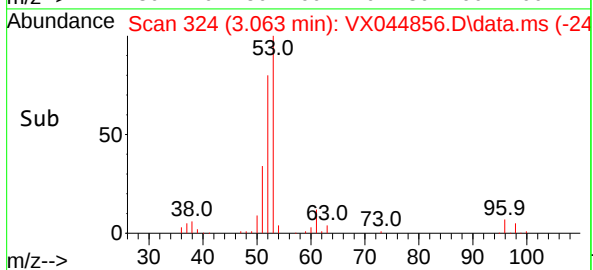
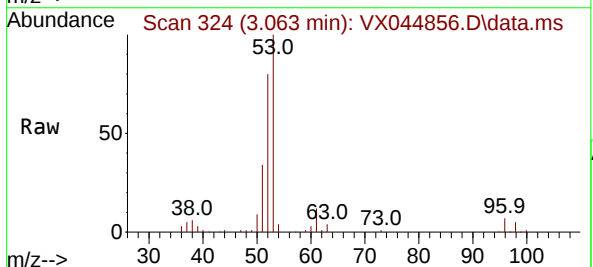
Manual Integrations
APPROVED

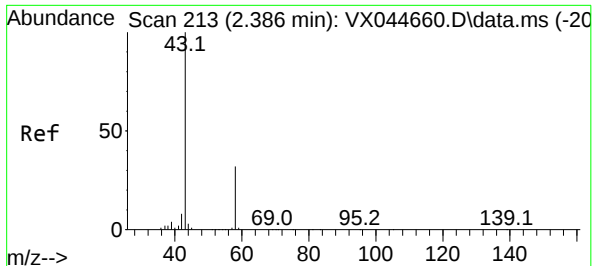
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#14
Acrylonitrile
Concen: 115.945 ug/l
RT: 3.063 min Scan# 324
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

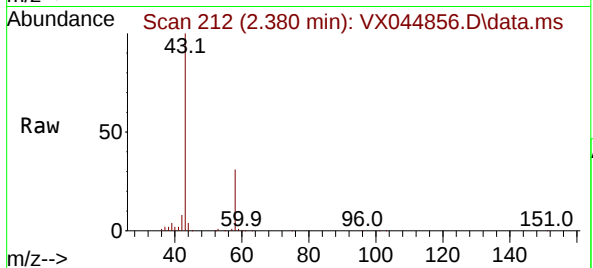
Tgt Ion: 53 Resp: 100150
Ion Ratio Lower Upper
53 100
52 80.9 41.4 124.2
51 35.2 18.1 54.4





#15
Acetone
Concen: 112.837 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

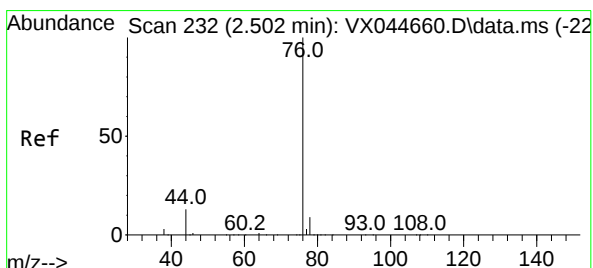
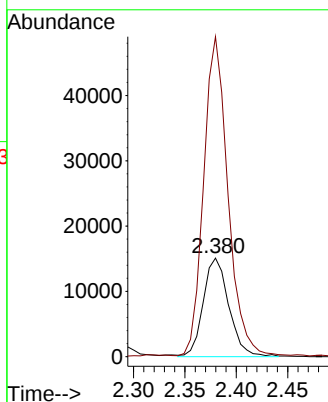
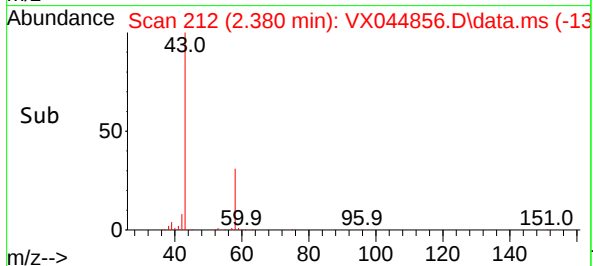
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 58 Resp: 2615
Ion Ratio Lower Upper
58 100
43 325.5 251.0 376.4

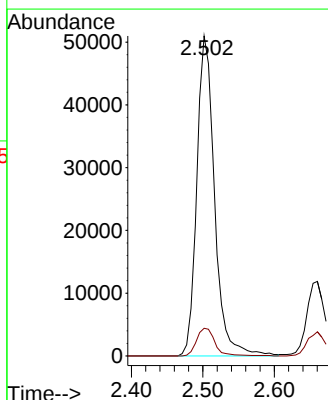
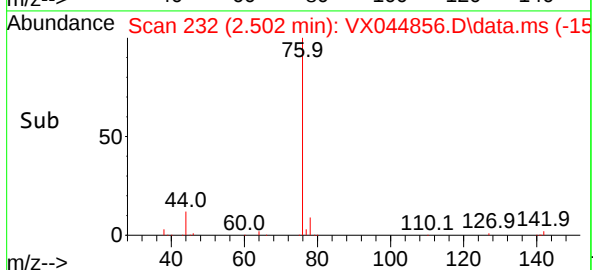
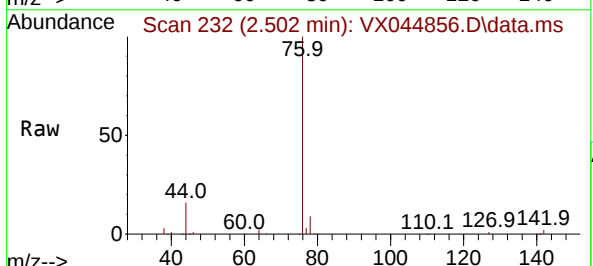
Manual Integrations
APPROVED

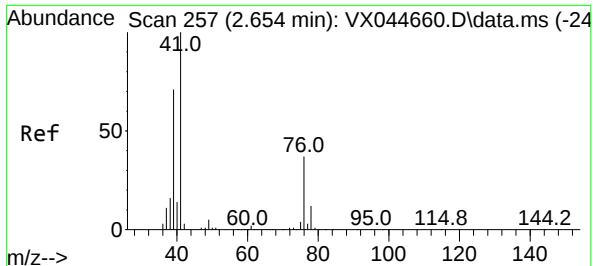
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#16
Carbon Disulfide
Concen: 19.513 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Tgt Ion: 76 Resp: 88049
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9





#17

Allyl chloride

Concen: 21.141 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 41 Resp: 6190

Ion Ratio Lower Upper

41 100

39 67.5 35.6 106.8

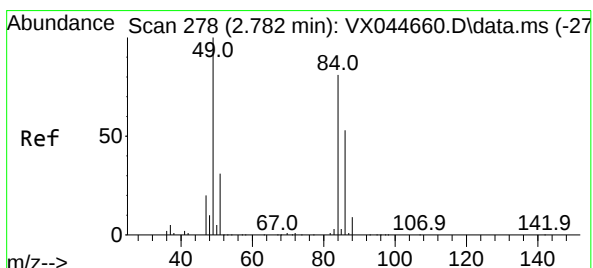
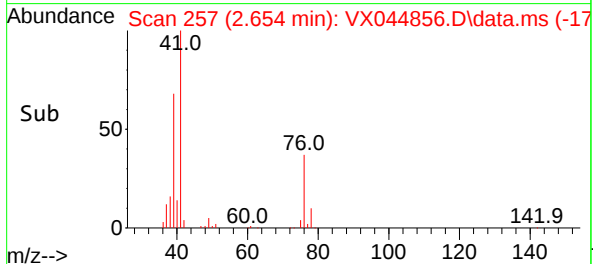
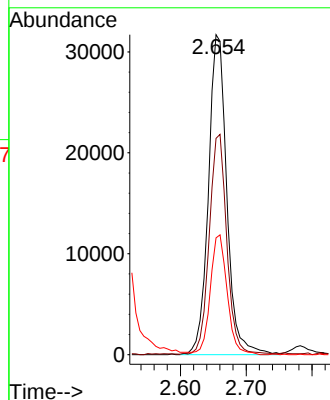
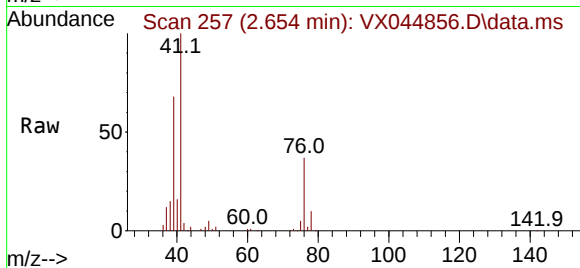
76 36.5 18.9 56.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#18

Methylene Chloride

Concen: 20.777 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Tgt Ion: 84 Resp: 37753

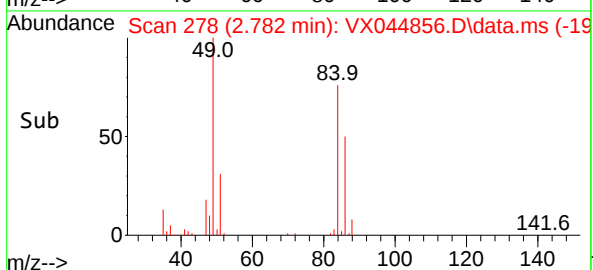
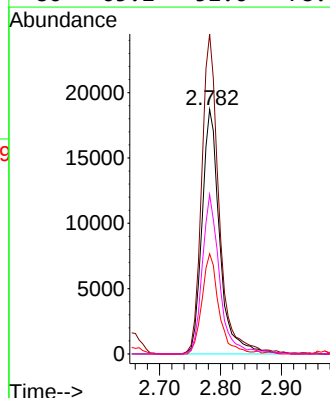
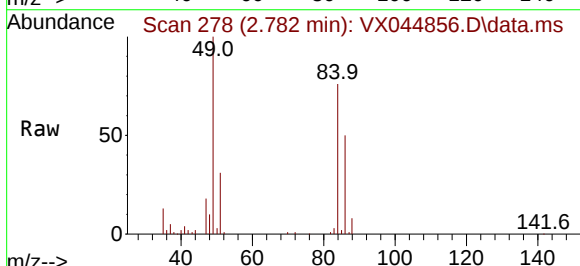
Ion Ratio Lower Upper

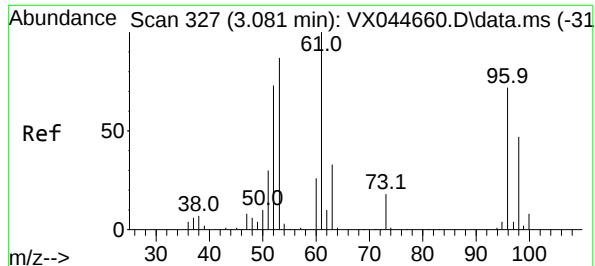
84 100

49 130.9 98.3 147.5

51 41.0 30.6 46.0

86 65.2 52.6 78.8





#19

trans-1,2-Dichloroethene

Concen: 20.689 ug/l

RT: 3.081 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 96 Resp: 3340

Ion Ratio Lower Upper

96 100

61 141.6 111.5 167.3

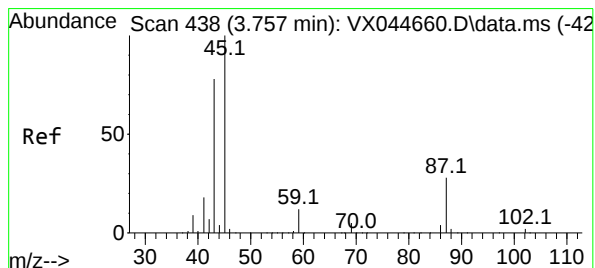
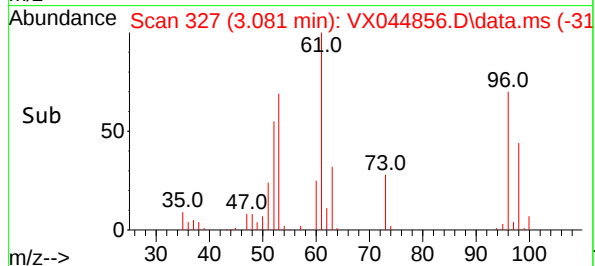
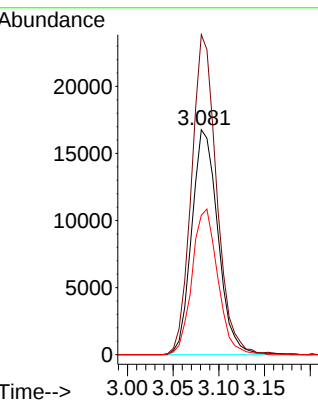
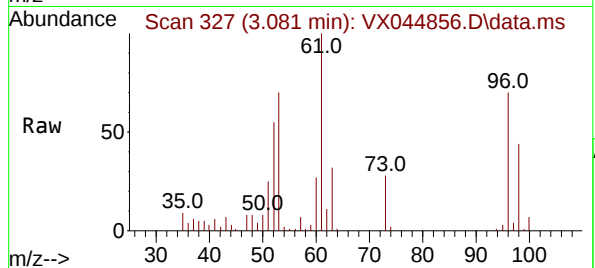
98 62.0 52.6 79.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#20

Diisopropyl ether

Concen: 22.783 ug/l

RT: 3.751 min Scan# 437

Delta R.T. -0.006 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Tgt Ion: 45 Resp: 121085

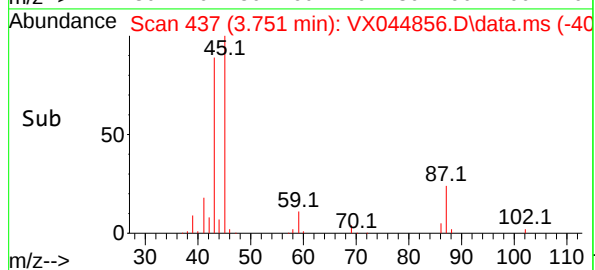
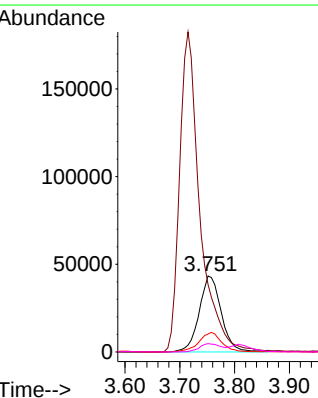
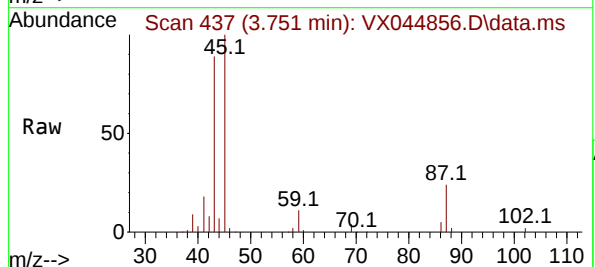
Ion Ratio Lower Upper

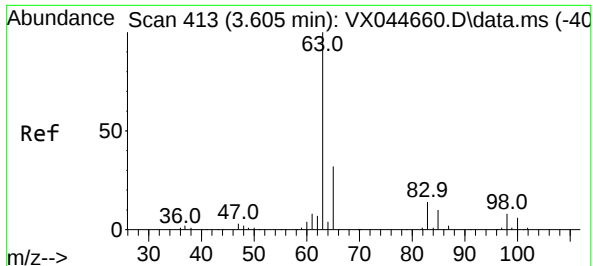
45 100

43 86.8 62.6 94.0

87 23.5 22.7 34.1

59 11.0 9.4 14.2





#21

1,1-Dichloroethane

Concen: 21.018 ug/l

RT: 3.599 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 66264

Ion Ratio Lower Upper

63 100

98 7.7 4.0 11.9

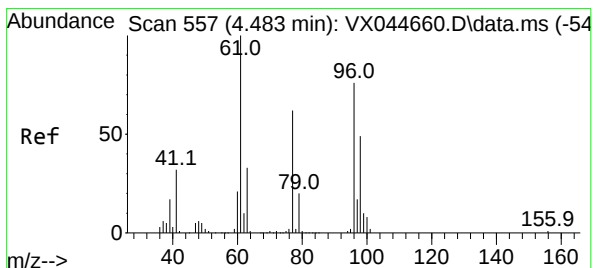
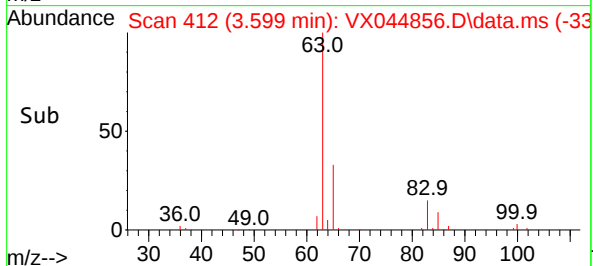
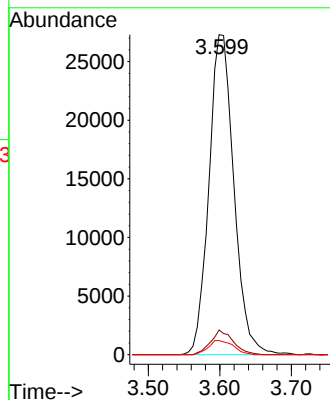
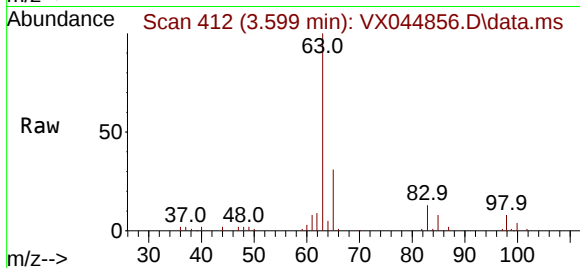
100 4.4 2.8 8.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#22

cis-1,2-Dichloroethene

Concen: 20.804 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

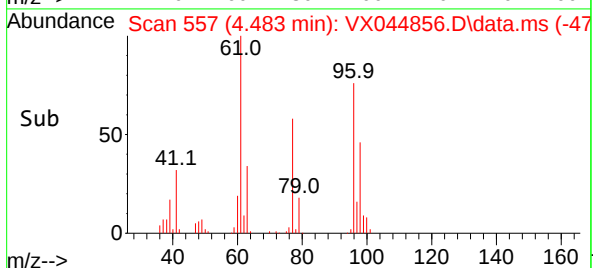
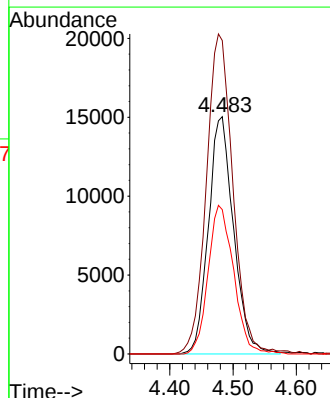
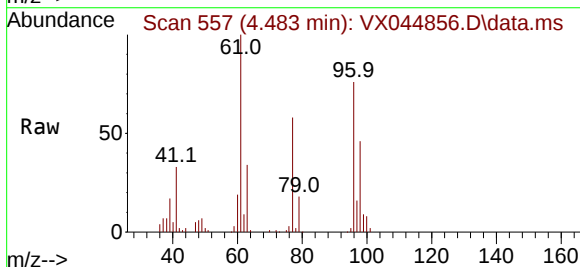
Tgt Ion: 96 Resp: 41572

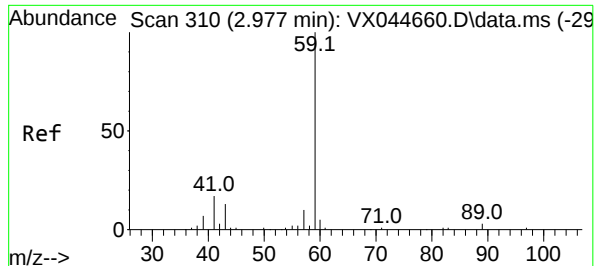
Ion Ratio Lower Upper

96 100

61 141.3 115.2 172.8

98 63.5 51.8 77.6





#23

tert-Butyl Alcohol

Concen: 89.445 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 59 Resp: 3736

Ion Ratio Lower Upper

59 100

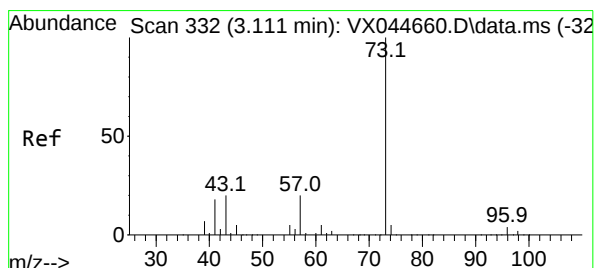
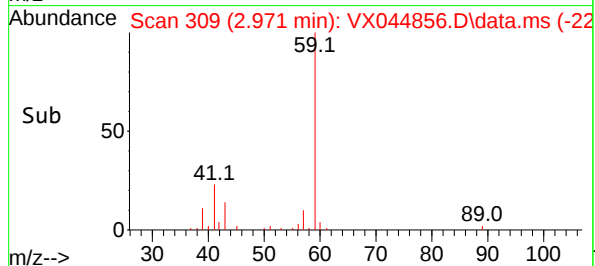
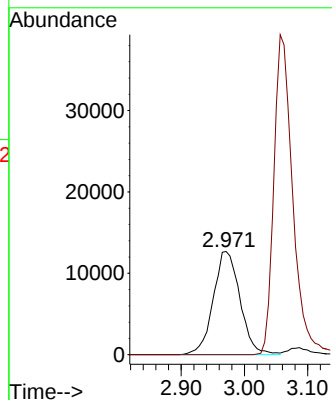
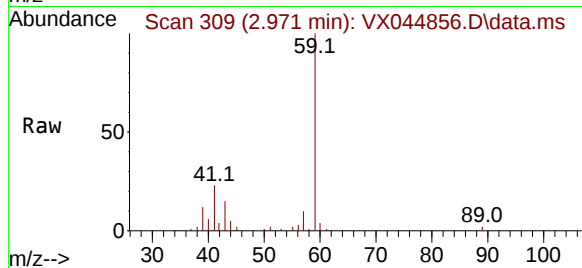
52 0.0 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#24

Methyl tert-Butyl Ether

Concen: 19.712 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX044856.D

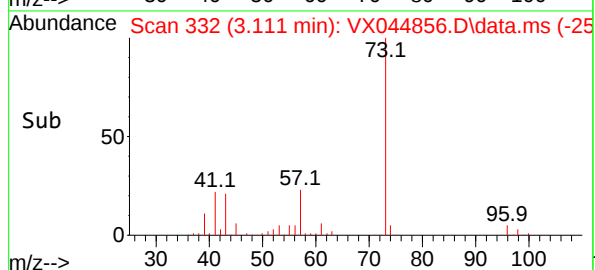
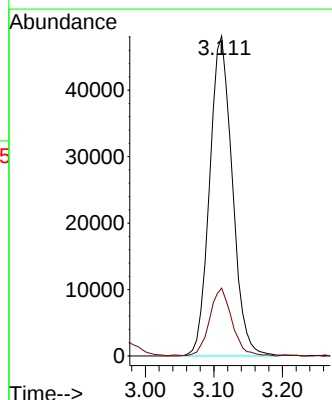
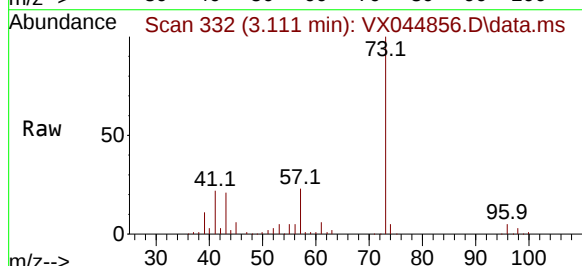
Acq: 07 Feb 2025 10:01

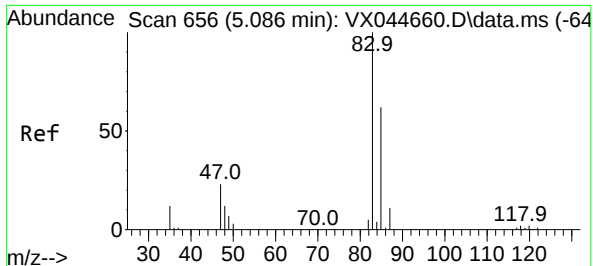
Tgt Ion: 73 Resp: 110896

Ion Ratio Lower Upper

73 100

43 20.9 16.9 25.3





#25

Chloroform

Concen: 20.527 ug/l

RT: 5.080 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 83 Resp: 64304

Ion Ratio Lower Upper

83 100

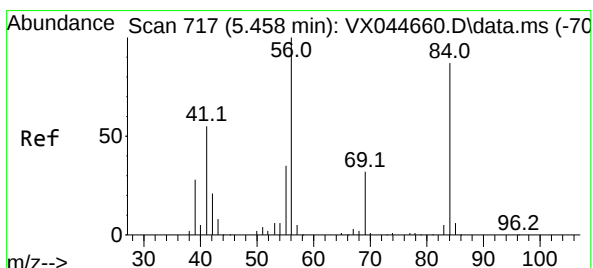
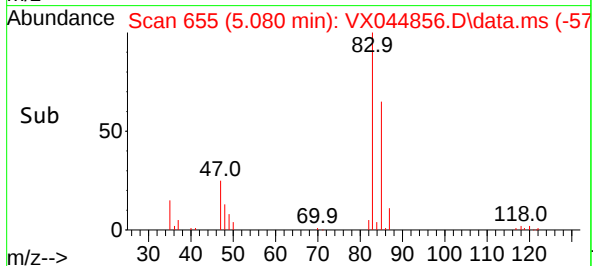
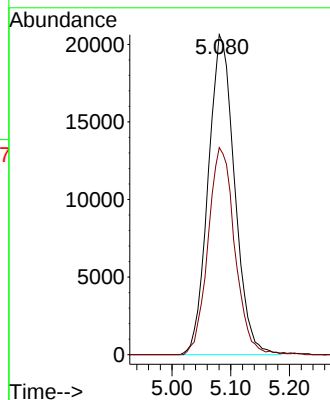
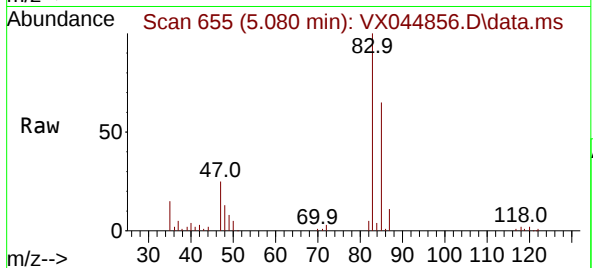
85 64.7 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#26

Cyclohexane

Concen: 22.326 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

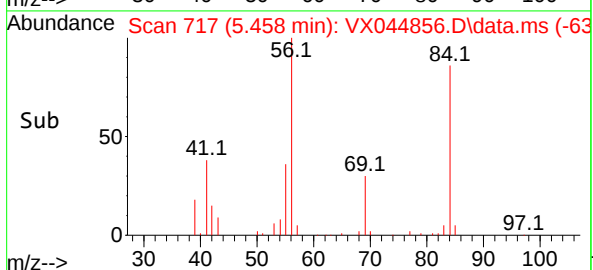
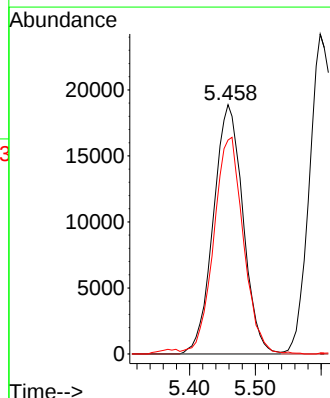
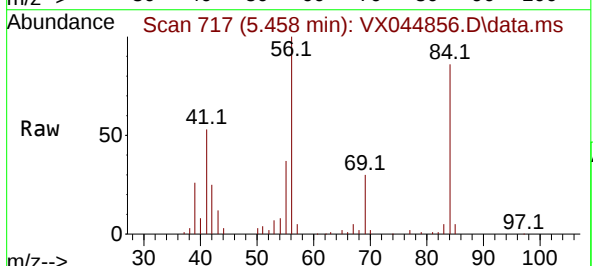
Tgt Ion: 56 Resp: 59159

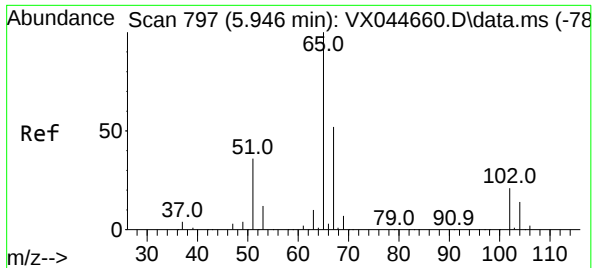
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 87.1 72.2 108.4





#27

1,2-Dichloroethane-d4

Concen: 29.574 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 65 Resp: 62760

Ion Ratio Lower Upper

65 100

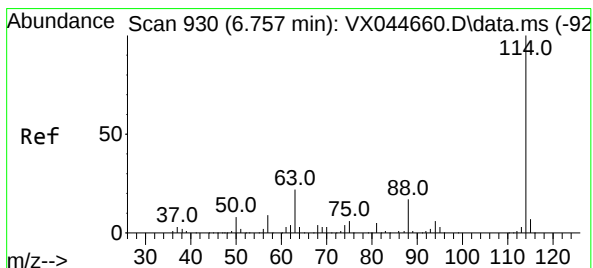
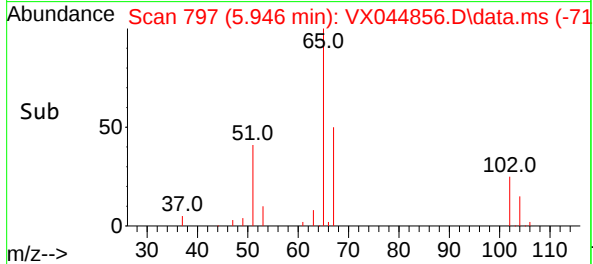
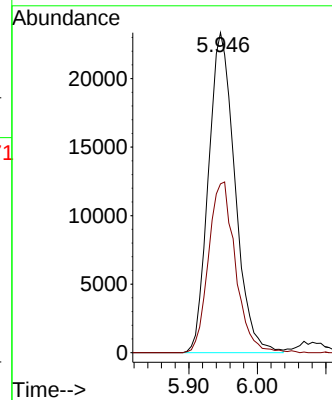
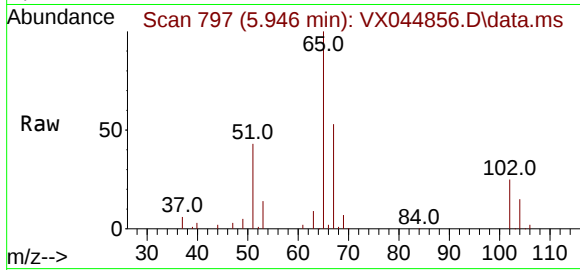
67 53.6 41.4 62.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

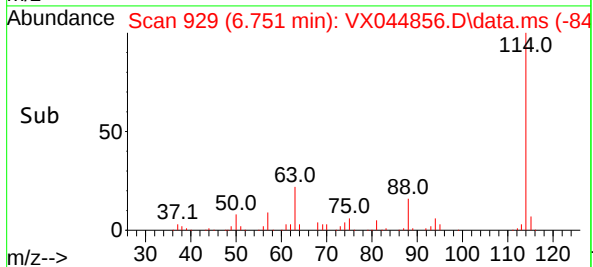
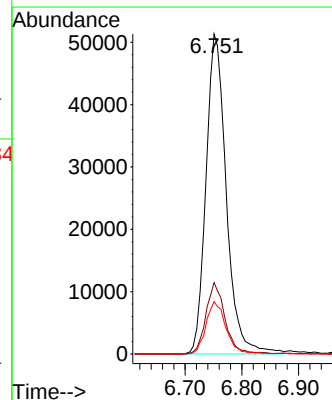
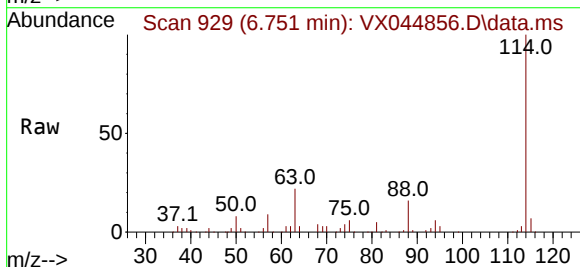
Tgt Ion:114 Resp: 127777

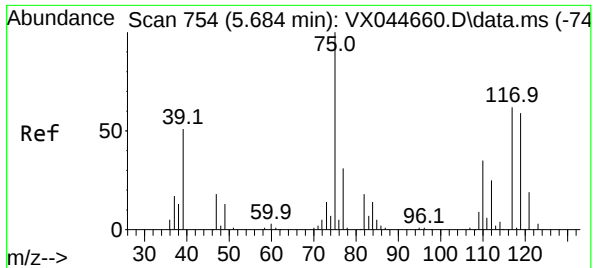
Ion Ratio Lower Upper

114 100

63 20.7 16.6 24.8

88 15.8 13.4 20.2





#29

1,1-Dichloropropene

Concen: 20.261 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 45030

Ion Ratio Lower Upper

75 100

110 33.6 0.0 69.4

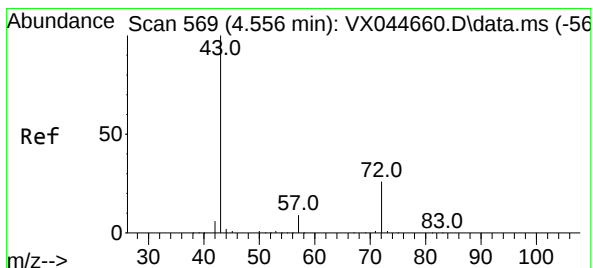
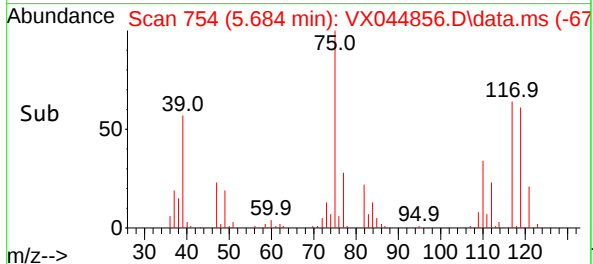
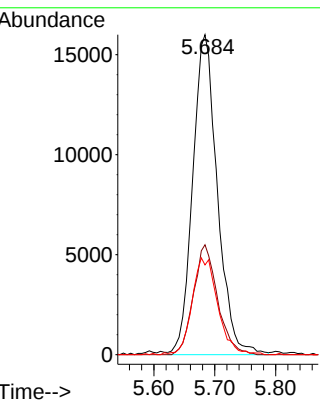
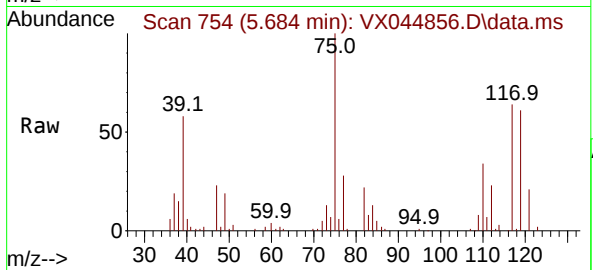
77 31.0 0.0 59.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#30

2-Butanone

Concen: 107.525 ug/l

RT: 4.550 min Scan# 568

Delta R.T. -0.006 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

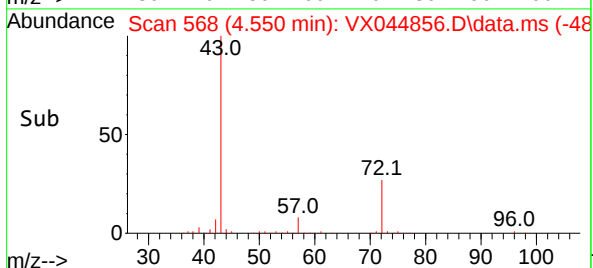
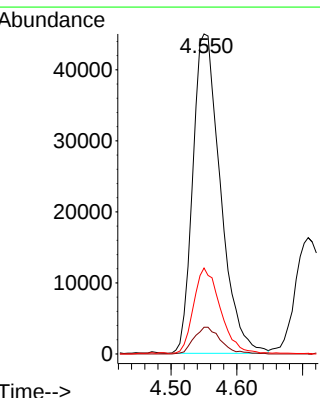
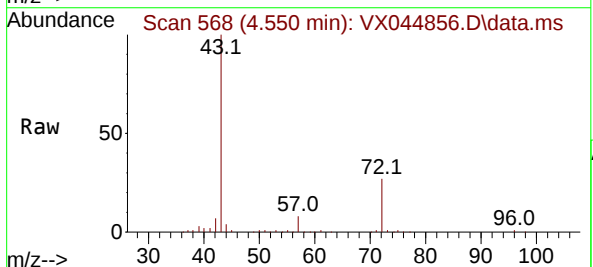
Tgt Ion: 43 Resp: 131275

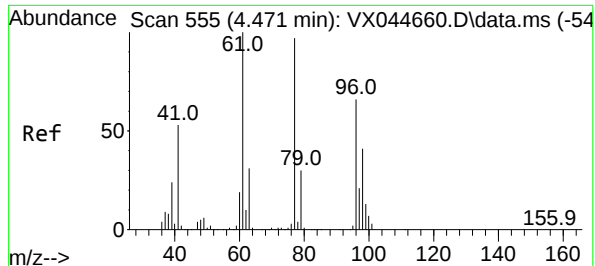
Ion Ratio Lower Upper

43 100

57 8.2 6.4 9.6

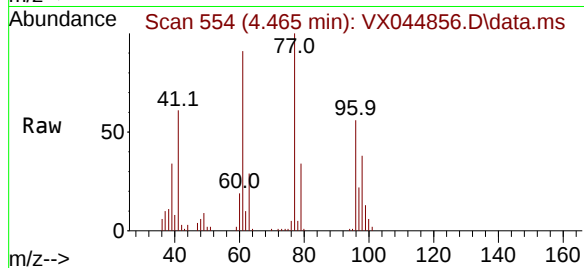
72 26.2 21.5 32.3





#31
2,2-Dichloropropane
Concen: 17.605 ug/l
RT: 4.465 min Scan# 511
Delta R.T. -0.006 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

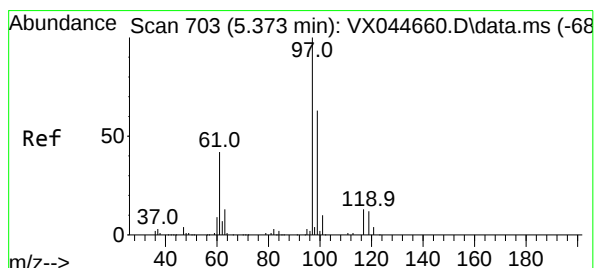
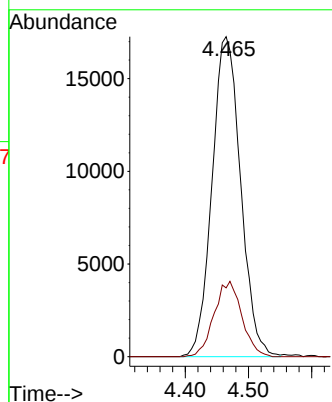
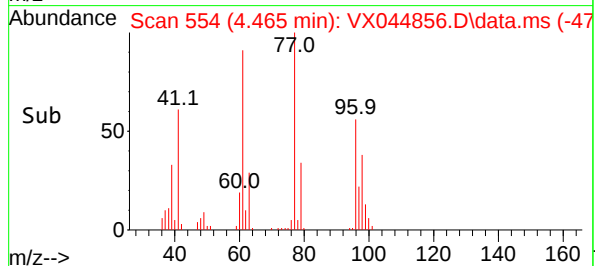
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 77 Resp: 5414
Ion Ratio Lower Upper
77 100
97 22.8 18.6 27.8

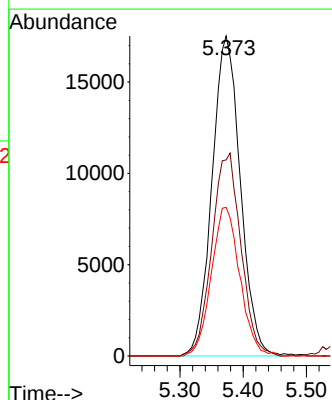
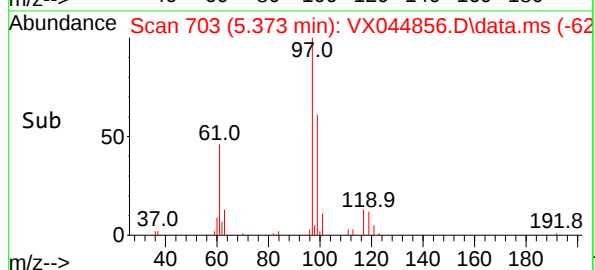
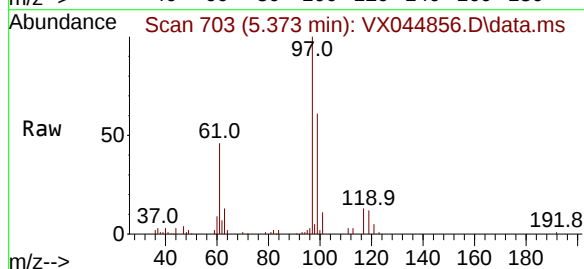
Manual Integrations
APPROVED

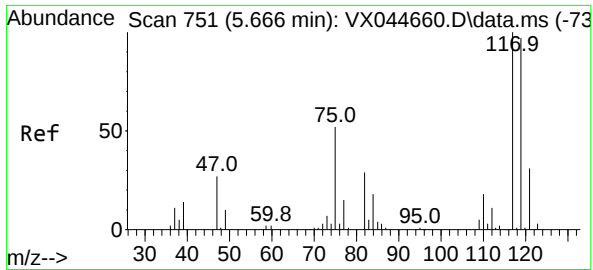
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#32
1,1,1-Trichloroethane
Concen: 18.506 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

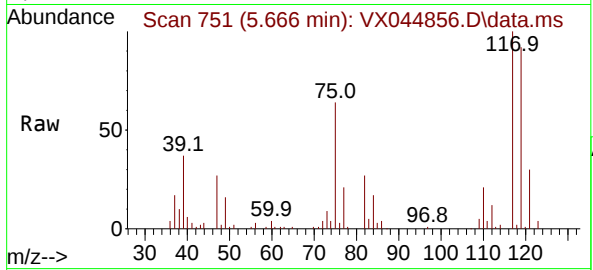
Tgt Ion: 97 Resp: 54507
Ion Ratio Lower Upper
97 100
99 64.8 50.5 75.7
61 46.7 34.6 51.8





#33
Carbon Tetrachloride
Concen: 18.084 ug/l
RT: 5.666 min Scan# 751
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

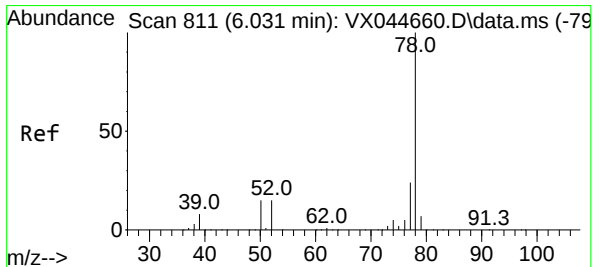
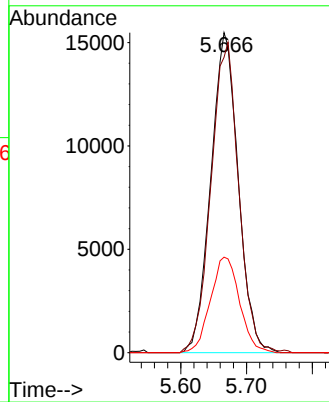
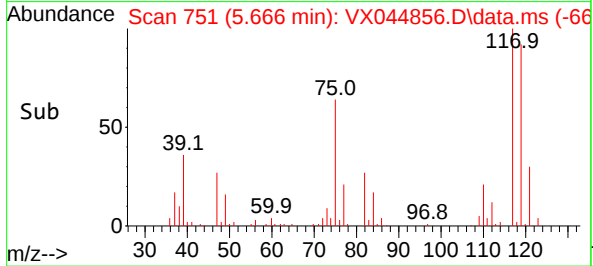
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 117 Resp: 4493
Ion Ratio Lower Upper
117 100
119 92.3 77.3 115.9
121 29.8 24.6 37.0

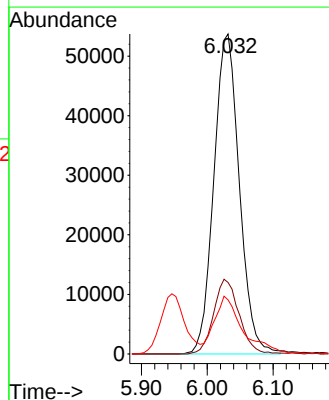
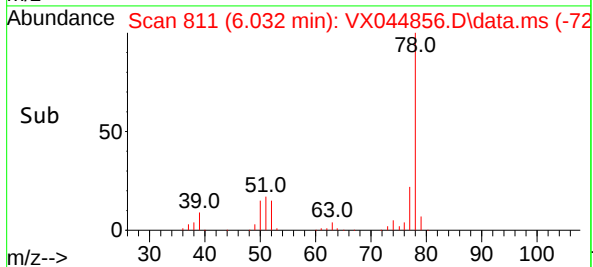
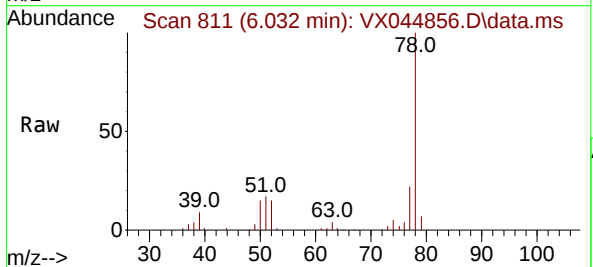
Manual Integrations
APPROVED

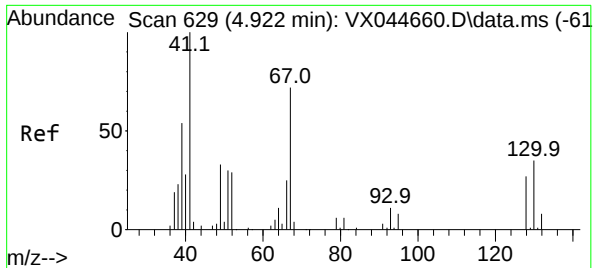
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#34
Benzene
Concen: 20.434 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Tgt Ion: 78 Resp: 144891
Ion Ratio Lower Upper
78 100
77 22.4 19.3 28.9
51 16.0 12.7 19.1





#35

Methacrylonitrile

Concen: 20.536 ug/l

RT: 4.916 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 41 Resp: 2802

Ion Ratio Lower Upper

41 100

39 53.6 27.1 81.3

67 75.0 35.8 107.4

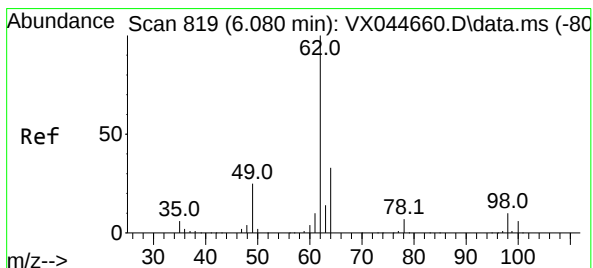
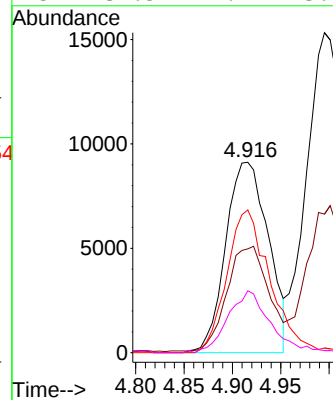
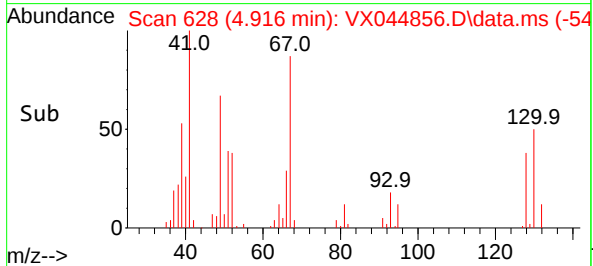
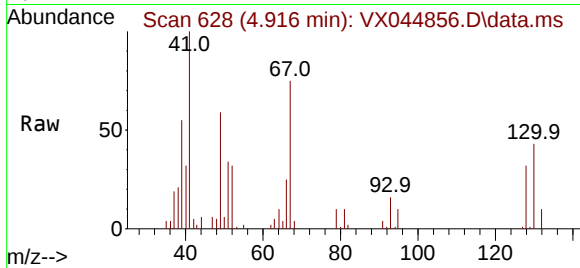
52 32.5 14.4 43.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#36

1,2-Dichloroethane

Concen: 18.591 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.006 min

Lab File: VX044856.D

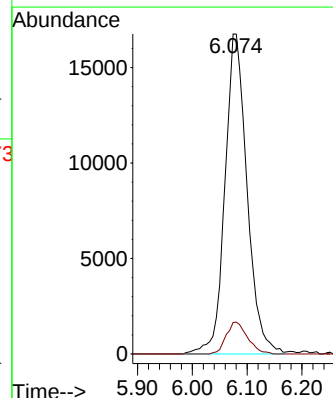
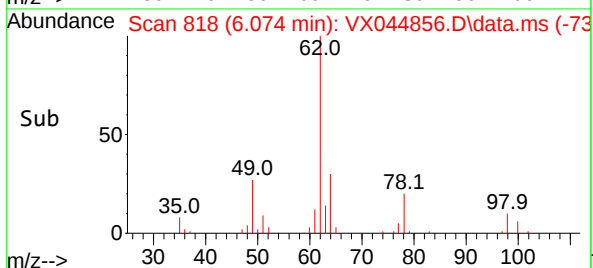
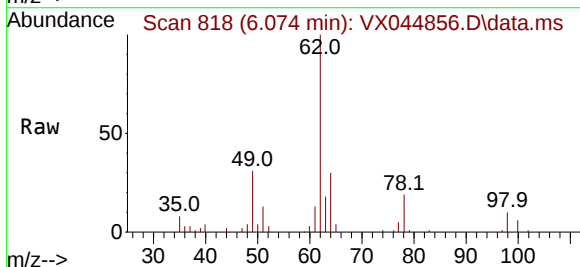
Acq: 07 Feb 2025 10:01

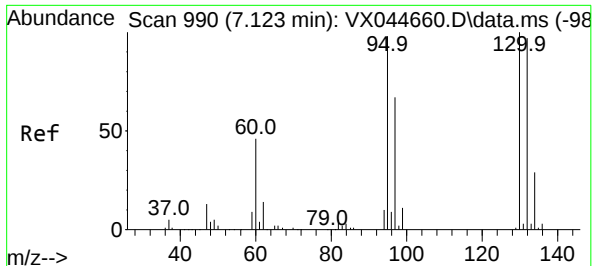
Tgt Ion: 62 Resp: 47132

Ion Ratio Lower Upper

62 100

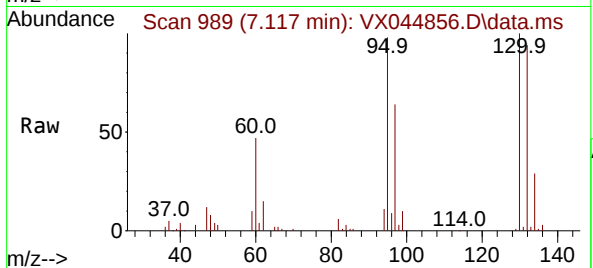
98 9.6 7.4 11.2





#37
Trichloroethene
Concen: 19.095 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

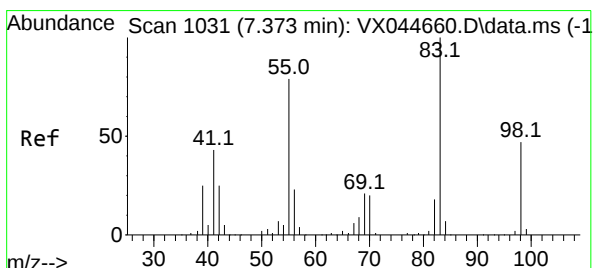
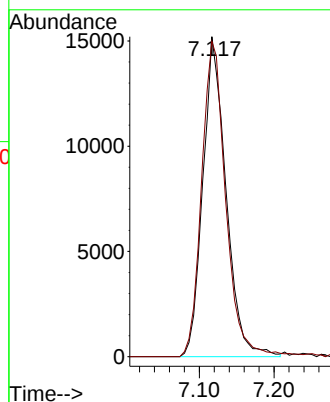
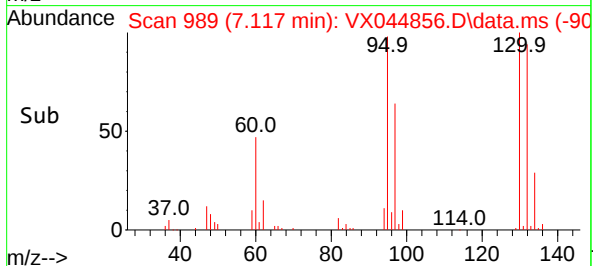
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



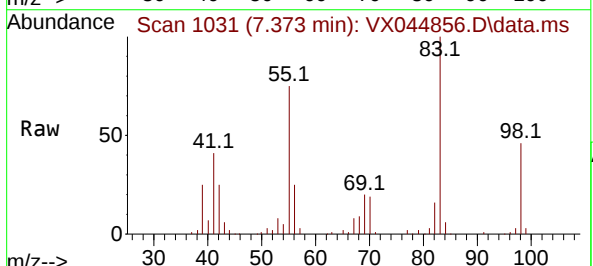
Tgt Ion:130 Resp: 3269
Ion Ratio Lower Upper
130 100
95 98.5 78.2 117.4

Manual Integrations
APPROVED

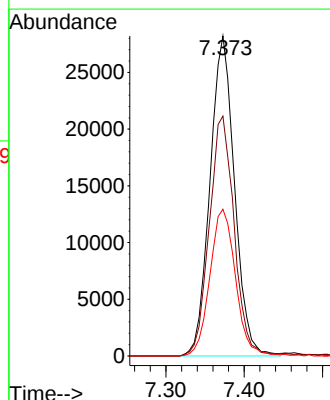
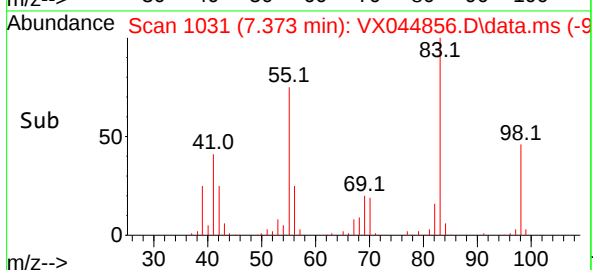
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025

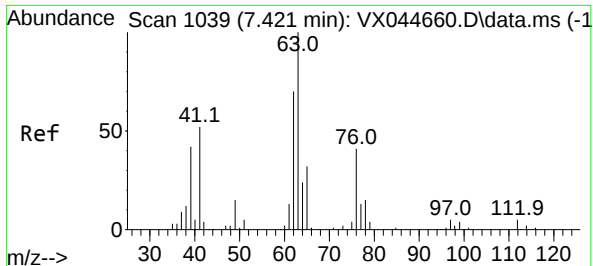


#38
Methylcyclohexane
Concen: 20.330 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01



Tgt Ion: 83 Resp: 61391
Ion Ratio Lower Upper
83 100
55 75.6 38.4 115.2
98 47.9 24.4 73.4





#39

1,2-Dichloropropane

Concen: 20.376 ug/l

RT: 7.422 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 36029

Ion Ratio Lower Upper

63 100

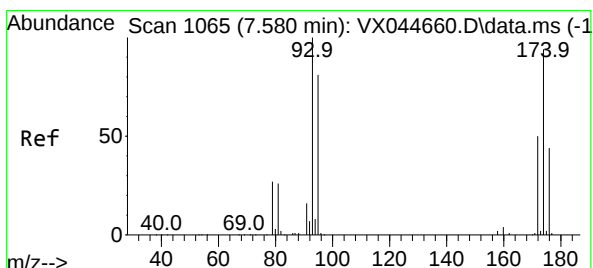
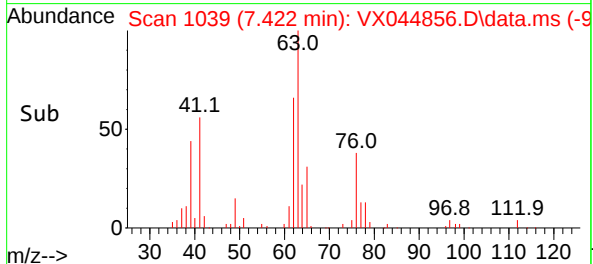
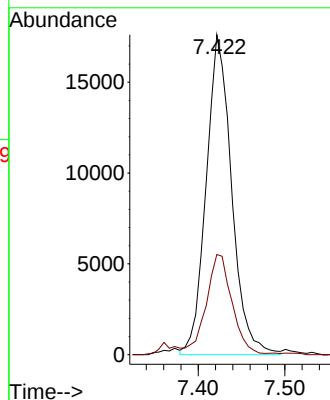
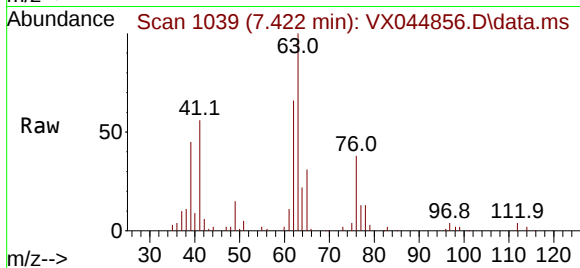
65 31.2 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#40

Dibromomethane

Concen: 19.253 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

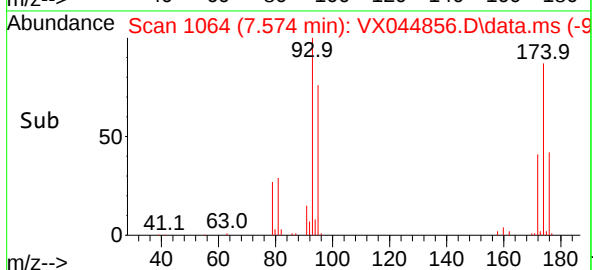
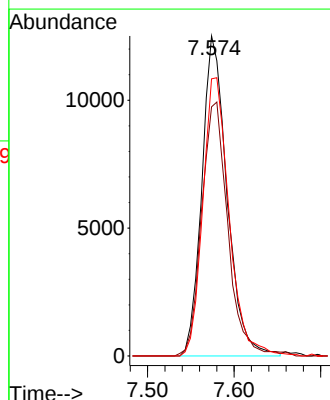
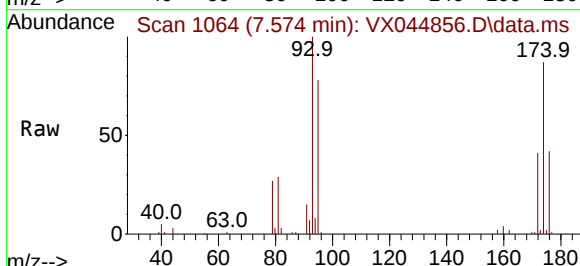
Tgt Ion: 93 Resp: 25309

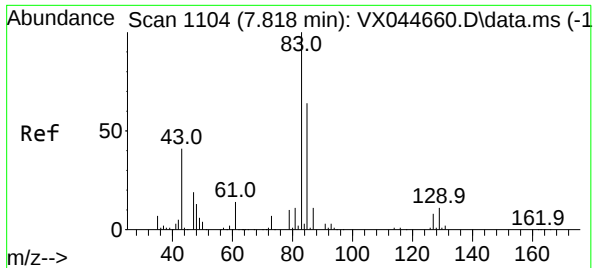
Ion Ratio Lower Upper

93 100

95 81.8 0.0 167.0

174 90.9 0.0 182.0





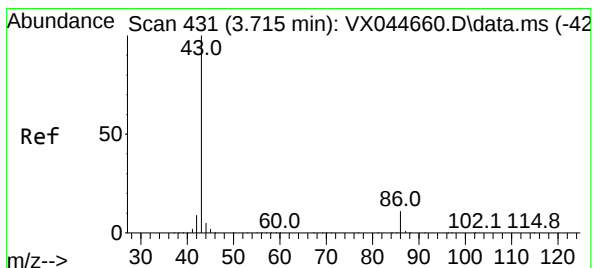
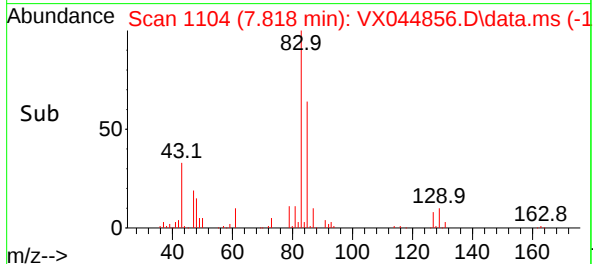
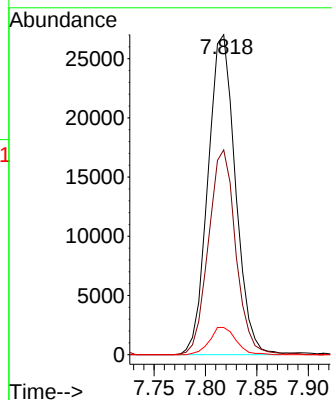
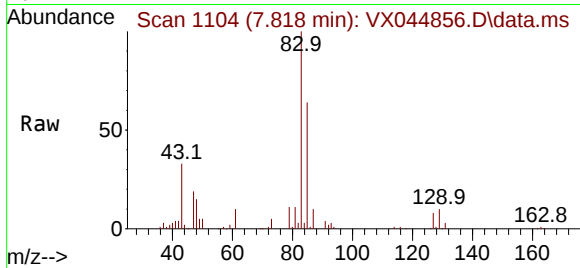
#41
Bromodichloromethane
Concen: 18.517 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 5026
Ion Ratio Lower Upper
83 100
85 63.7 50.9 76.3
127 8.5 6.5 9.7

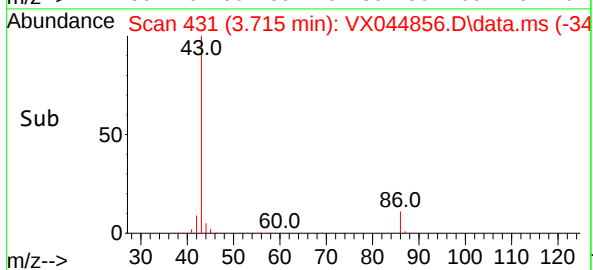
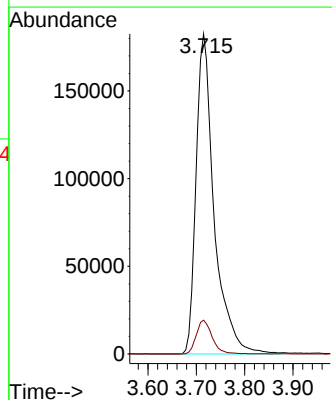
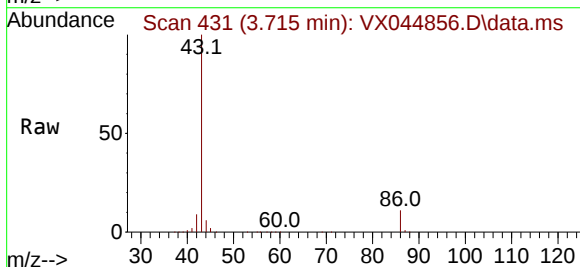
Manual Integrations
APPROVED

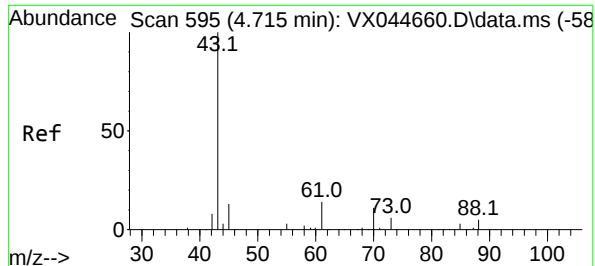
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#42
Vinyl Acetate
Concen: 97.465 ug/l
RT: 3.715 min Scan# 431
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Tgt Ion: 43 Resp: 472565
Ion Ratio Lower Upper
43 100
86 9.3 8.0 12.0





#43

Ethyl Acetate

Concen: 20.866 ug/l

RT: 4.709 min Scan# 595

Delta R.T. -0.006 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 49972

Ion Ratio Lower Upper

43 100

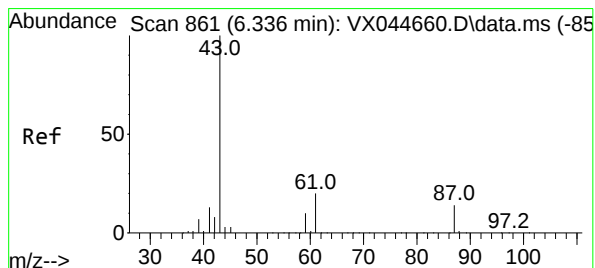
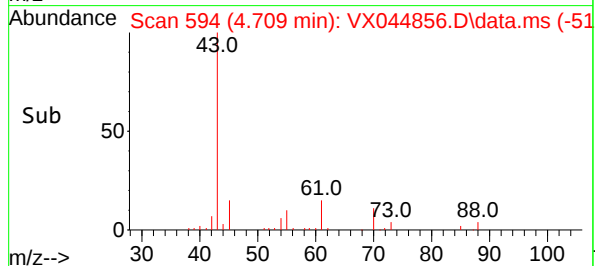
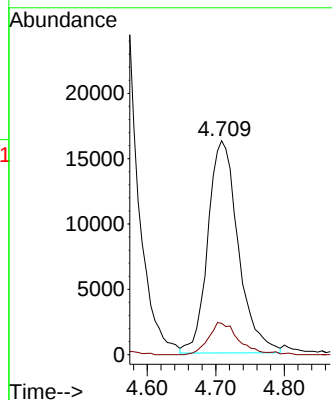
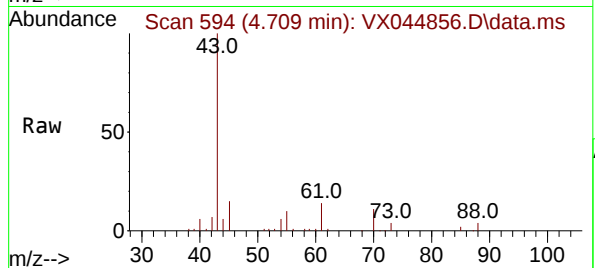
45 14.7 0.1 0.15

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#44

Isopropyl Acetate

Concen: 19.500 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044856.D

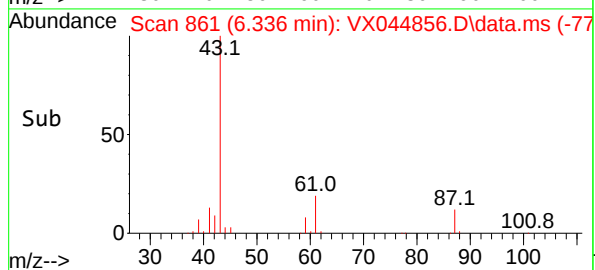
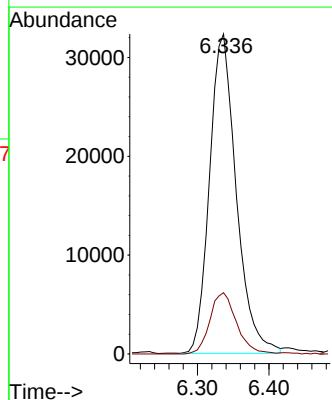
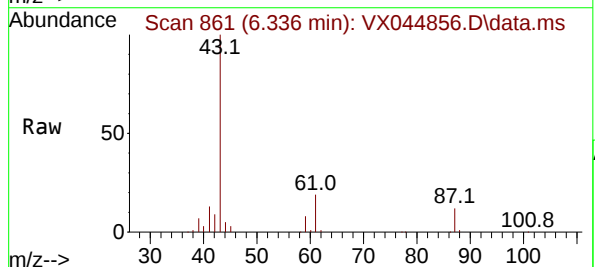
Acq: 07 Feb 2025 10:01

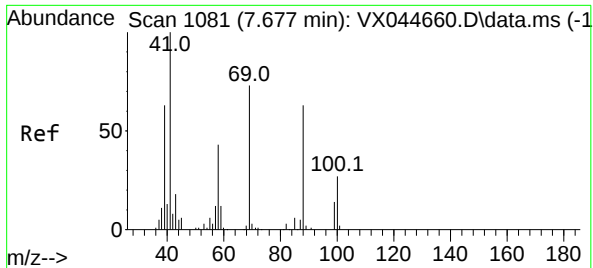
Tgt Ion: 43 Resp: 83898

Ion Ratio Lower Upper

43 100

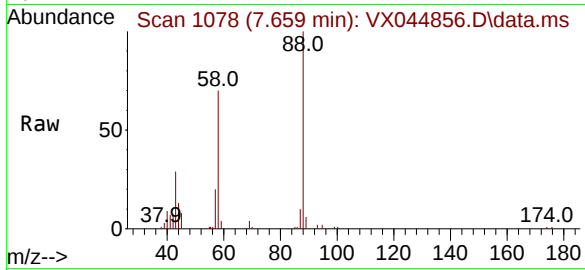
61 19.1 16.2 24.4





#45
1,4-Dioxane
Concen: 410.012 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. -0.018 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

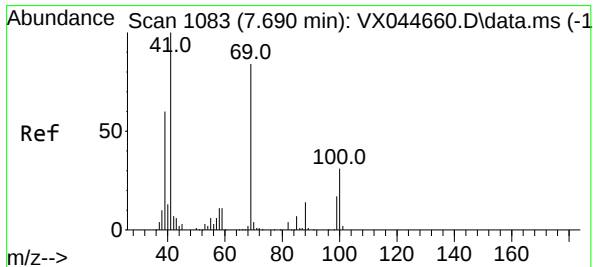
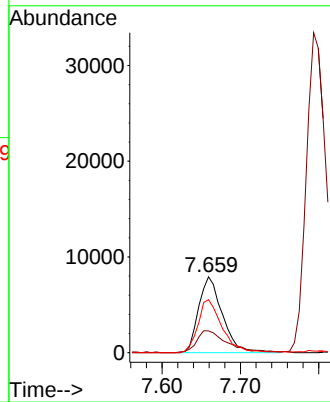
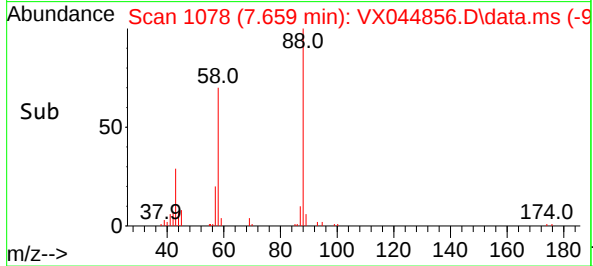
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 88 Resp: 16798
Ion Ratio Lower Upper
88 100
43 34.9 25.9 38.9
58 70.3 58.9 88.3

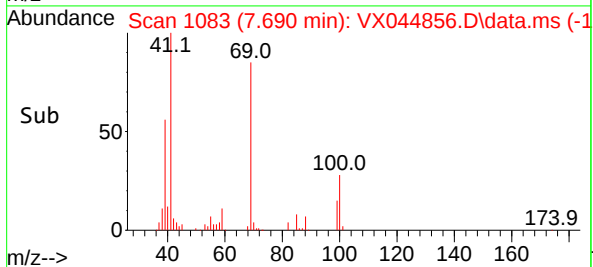
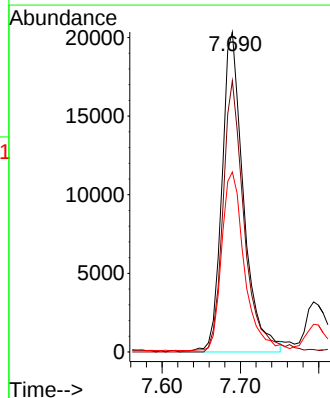
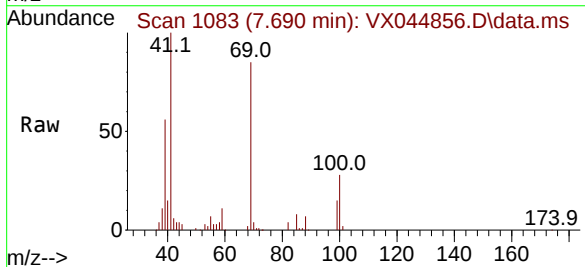
Manual Integrations
APPROVED

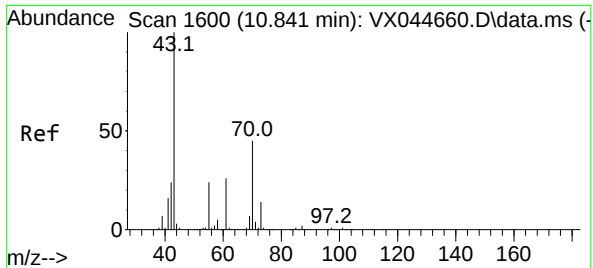
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#46
Methyl methacrylate
Concen: 18.544 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Tgt Ion: 41 Resp: 39054
Ion Ratio Lower Upper
41 100
69 84.7 41.9 125.7
39 55.8 30.1 90.3





#47

n-amy1 Acetate

Concen: 18.330 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 66180

Ion Ratio Lower Upper

43 100

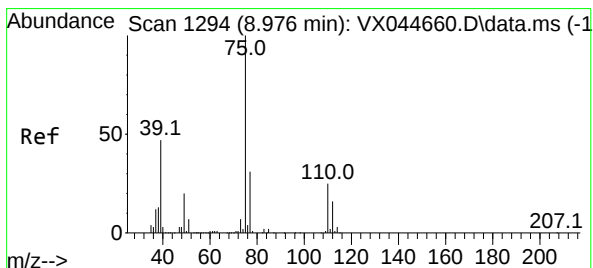
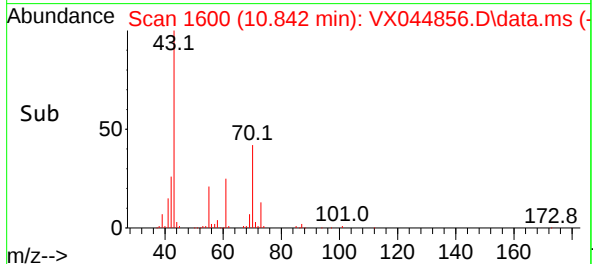
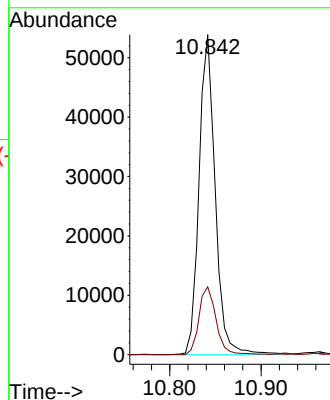
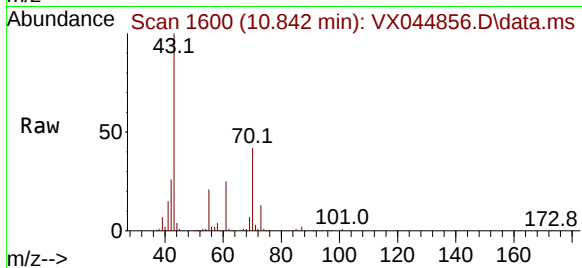
55 22.4 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#48

t-1,3-Dichloropropene

Concen: 17.043 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX044856.D

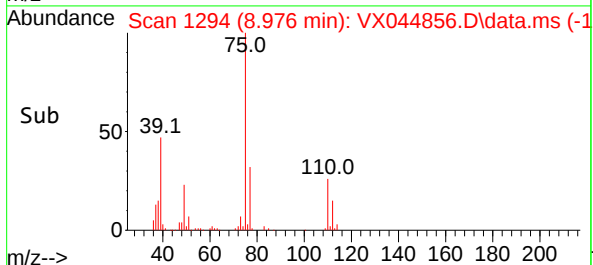
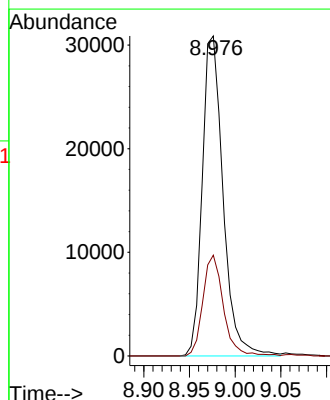
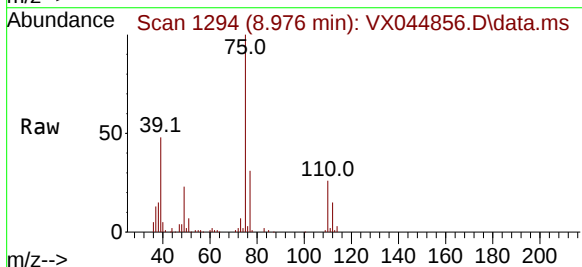
Acq: 07 Feb 2025 10:01

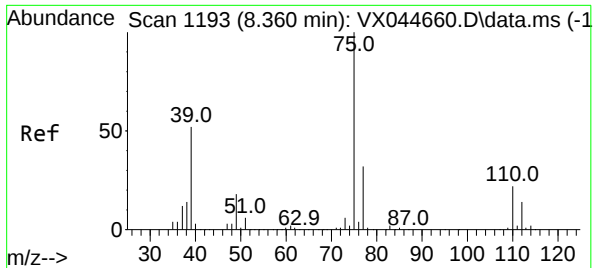
Tgt Ion: 75 Resp: 48829

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 18.168 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 5581

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

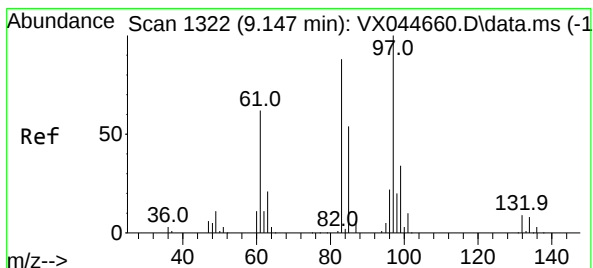
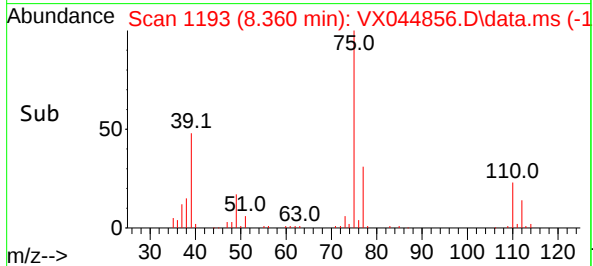
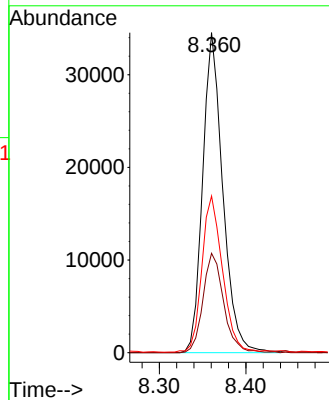
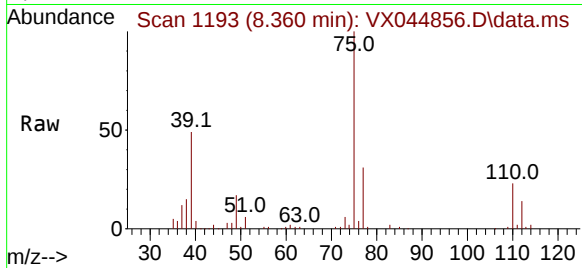
39 48.4 41.4 62.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#50

1,1,2-Trichloroethane

Concen: 20.024 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Tgt Ion: 97 Resp: 33901

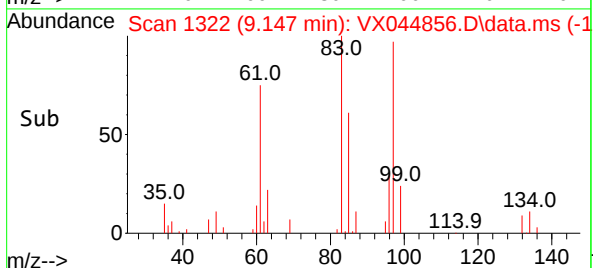
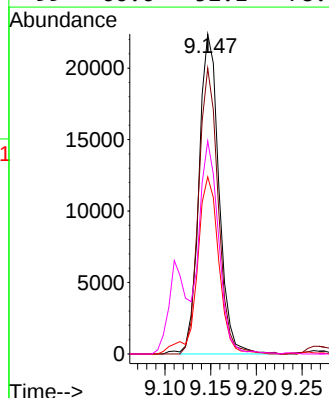
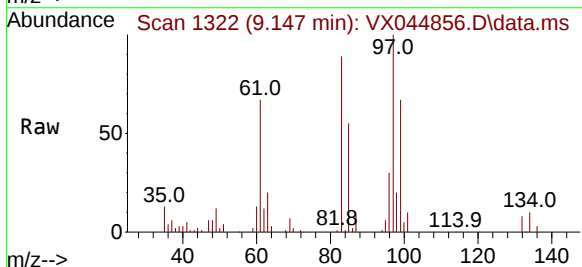
Ion Ratio Lower Upper

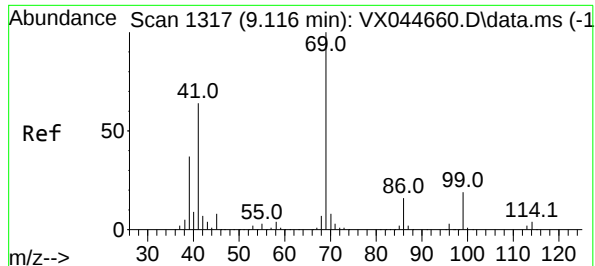
97 100

83 89.3 69.2 103.8

85 55.4 44.8 67.2

99 66.6 52.1 78.1





#51

Ethyl methacrylate

Concen: 17.821 ug/l

RT: 9.110 min Scan# 1317

Delta R.T. -0.006 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 69 Resp: 5241

Ion Ratio Lower Upper

69 100

41 71.7 32.0 96.0

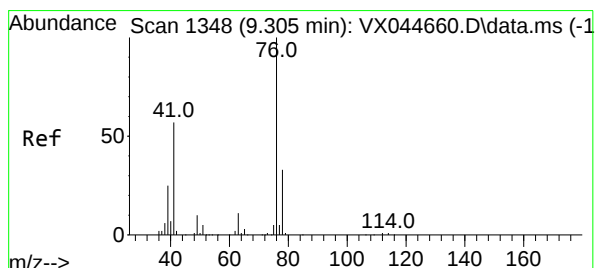
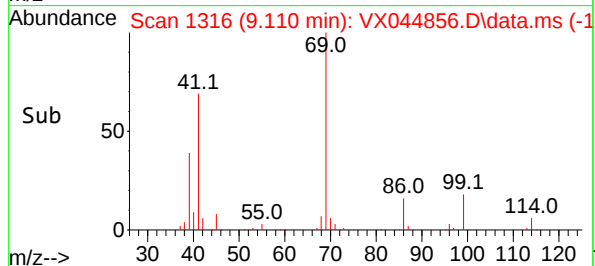
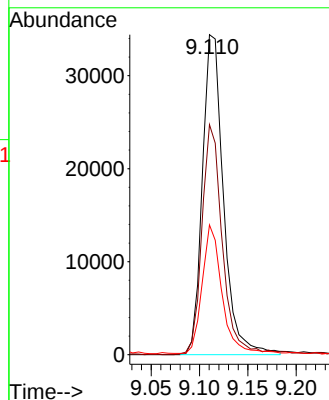
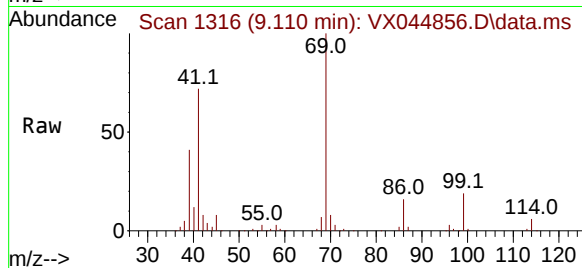
39 40.2 18.6 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#52

1,3-Dichloropropane

Concen: 19.855 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VX044856.D

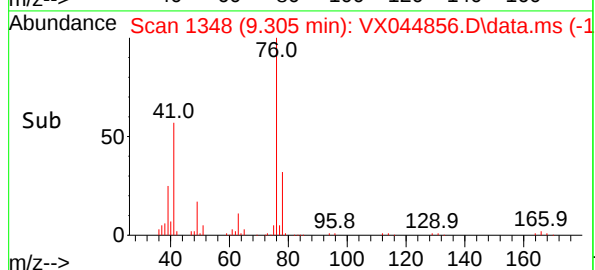
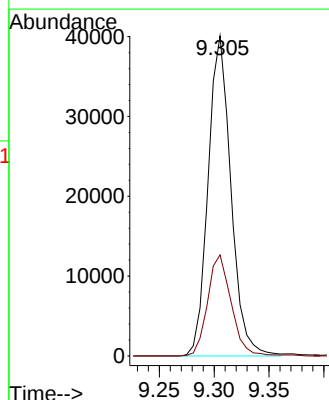
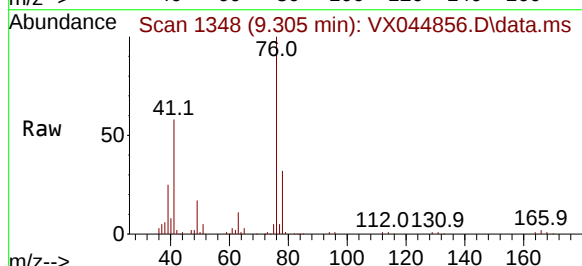
Acq: 07 Feb 2025 10:01

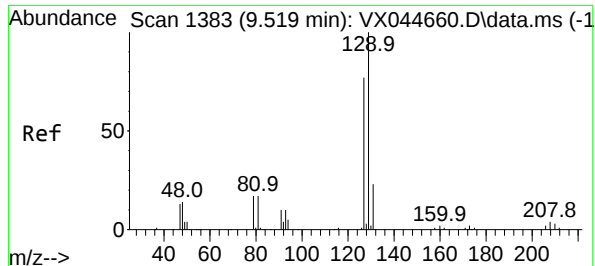
Tgt Ion: 76 Resp: 58140

Ion Ratio Lower Upper

76 100

78 32.5 0.0 64.0





#53

Dibromochloromethane

Concen: 17.982 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion:129 Resp: 36378

Ion Ratio Lower Upper

129 100

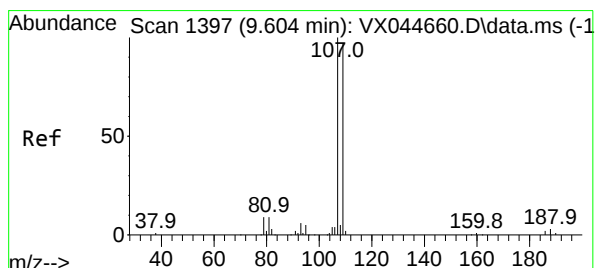
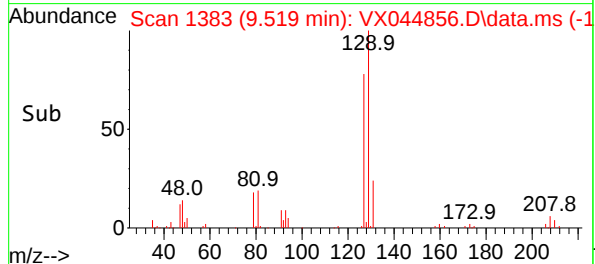
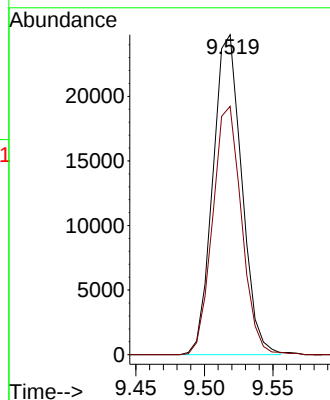
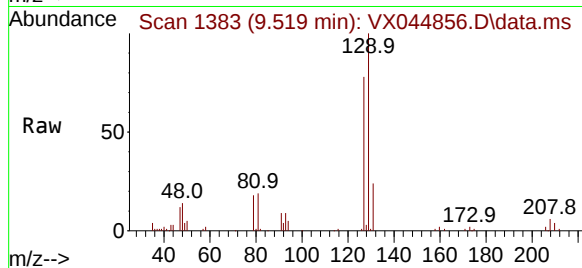
127 77.7 37.8 113.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#54

1,2-Dibromoethane

Concen: 18.887 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VX044856.D

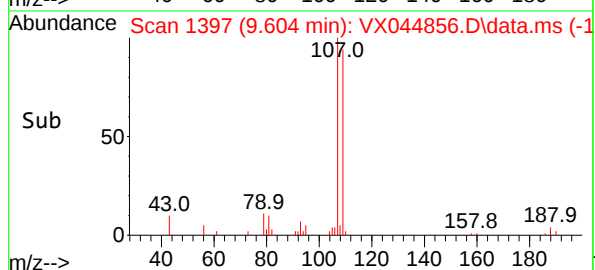
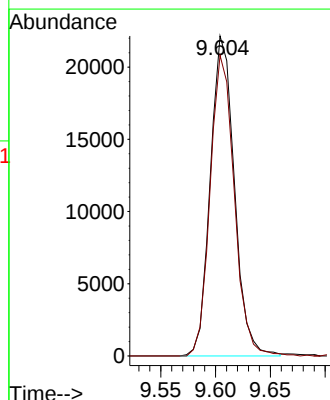
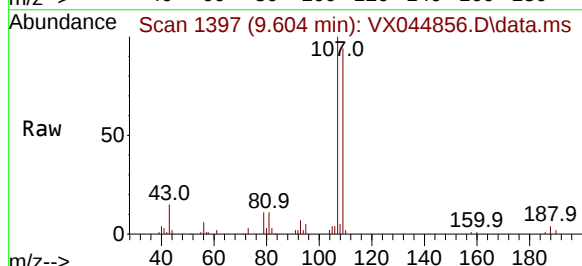
Acq: 07 Feb 2025 10:01

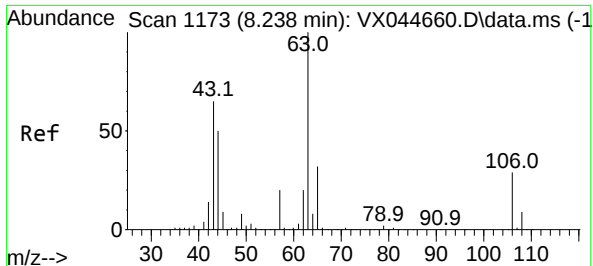
Tgt Ion:107 Resp: 33803

Ion Ratio Lower Upper

107 100

109 94.3 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 92.096 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 131420

Ion Ratio Lower Upper

63 100

65 32.0 25.8 38.6

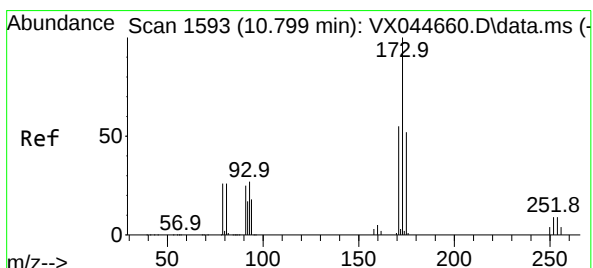
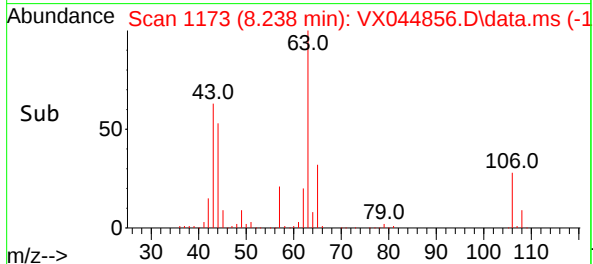
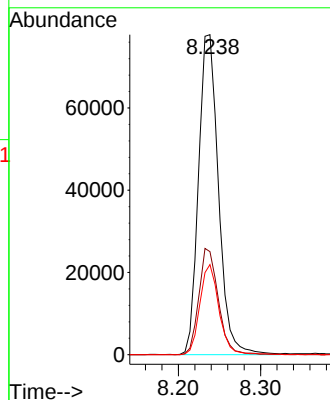
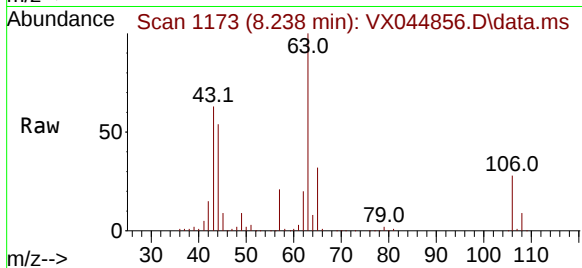
106 26.9 23.1 34.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#56

Bromoform

Concen: 17.079 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

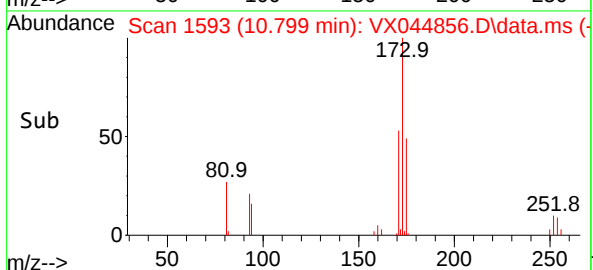
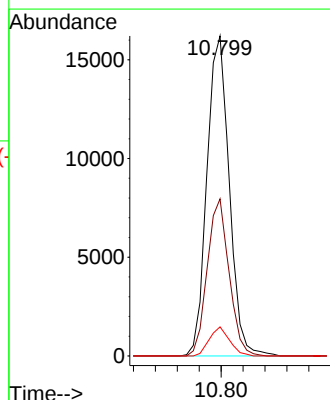
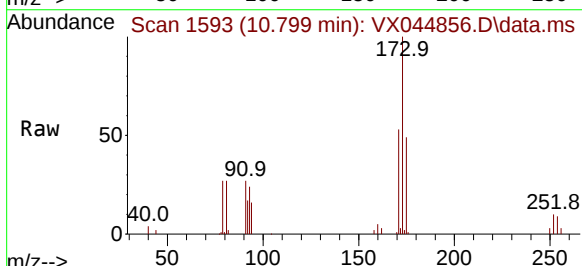
Tgt Ion:173 Resp: 22911

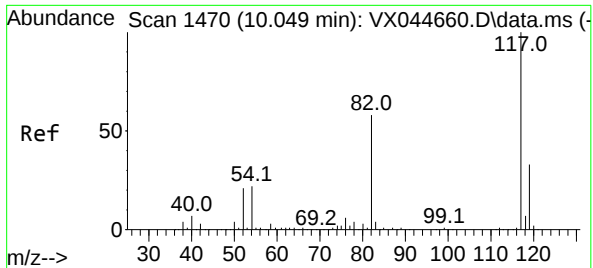
Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.6

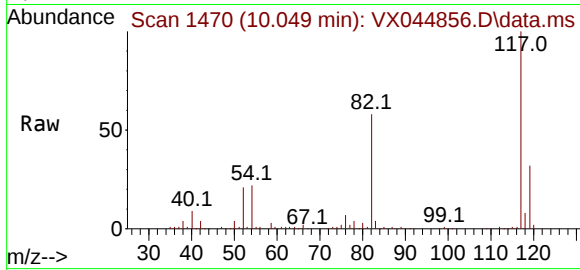
254 8.3 6.5 9.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

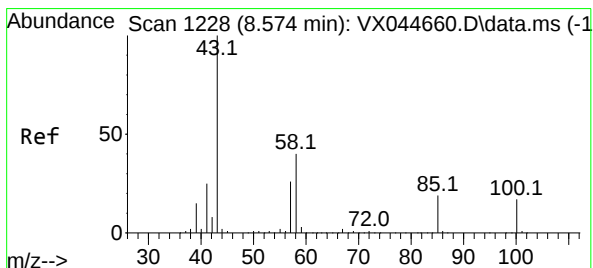
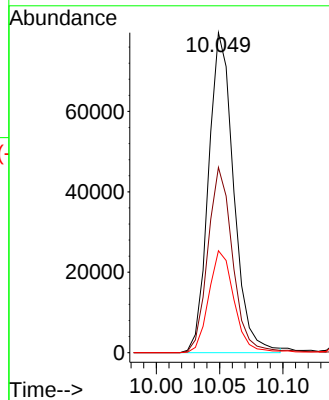
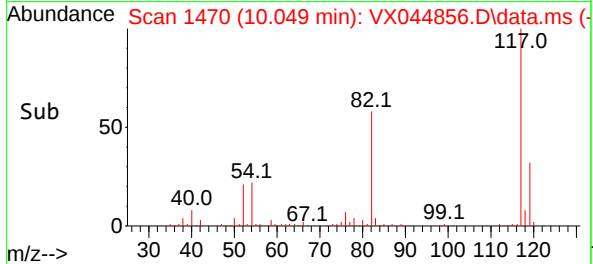
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion: 117 Resp: 110320
Ion Ratio Lower Upper
117 100
82 57.6 45.8 68.6
119 31.9 25.8 38.6

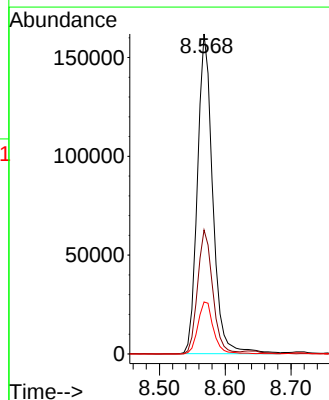
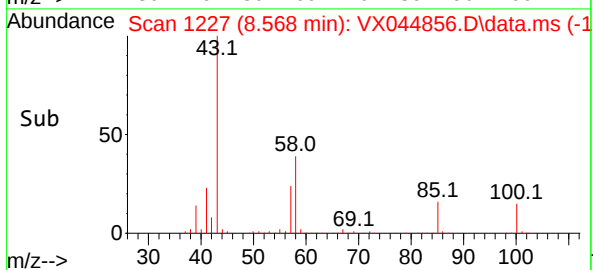
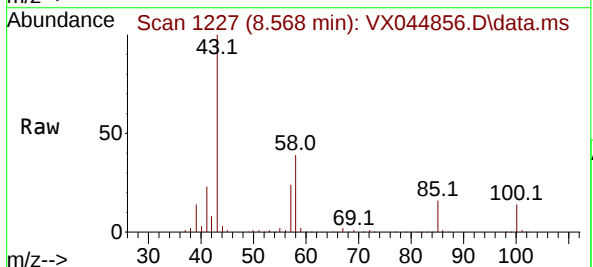
Manual Integrations
APPROVED

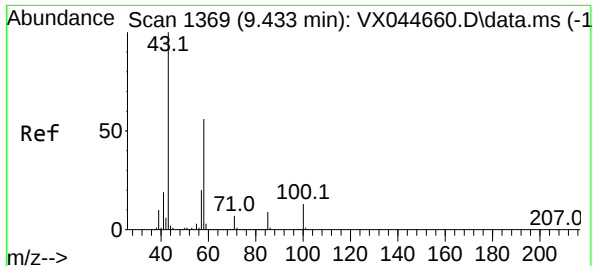
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#58
4-Methyl-2-Pentanone
Concen: 112.176 ug/l
RT: 8.568 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Tgt Ion: 43 Resp: 260866
Ion Ratio Lower Upper
43 100
58 38.4 31.7 47.5
85 16.4 15.0 22.6





#59

2-Hexanone

Concen: 109.594 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.006 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 186580

Ion Ratio Lower Upper

43 100

58 54.5 44.4 66.6

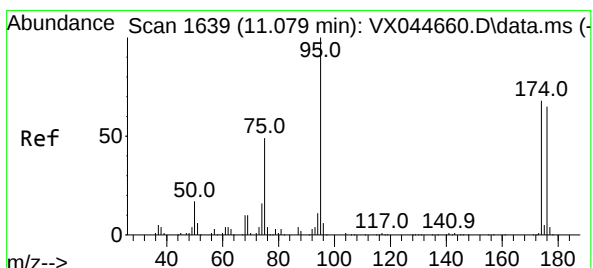
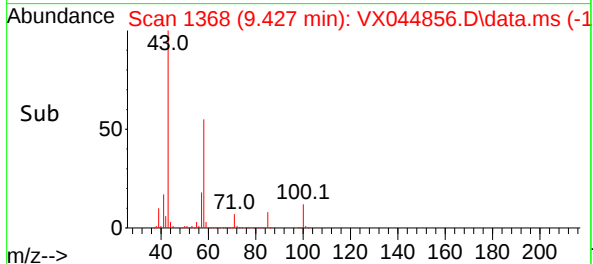
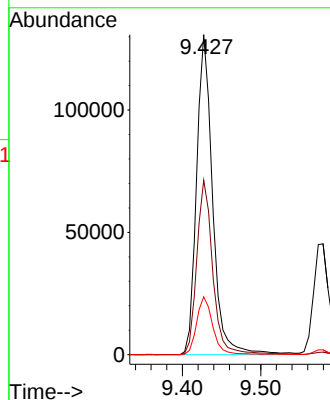
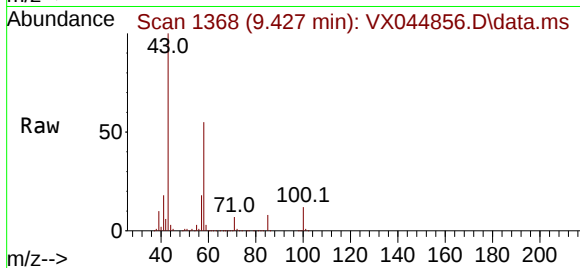
57 18.0 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#60

4-Bromofluorobenzene

Concen: 28.214 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

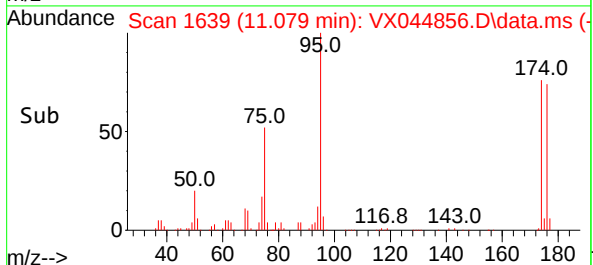
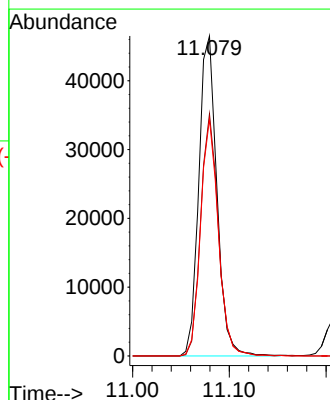
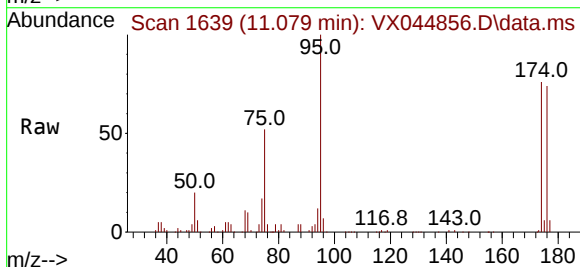
Tgt Ion: 95 Resp: 60460

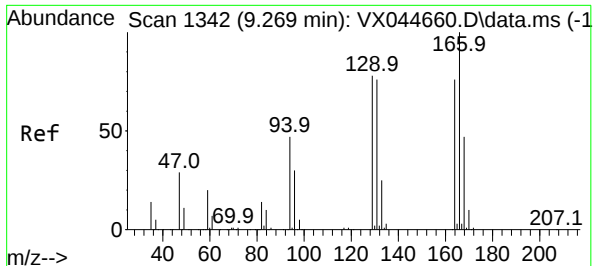
Ion Ratio Lower Upper

95 100

174 74.4 54.6 81.8

176 72.6 52.8 79.2





#61

Tetrachloroethene

Concen: 20.874 ug/l

RT: 9.269 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044856.D

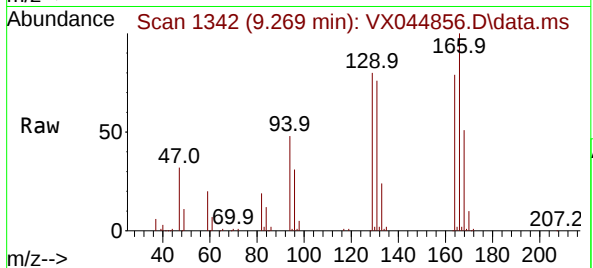
Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020



Tgt Ion:164 Resp: 2762

Ion Ratio Lower Upper

164 100

166 126.0 105.6 158.4

129 100.7 82.8 124.2

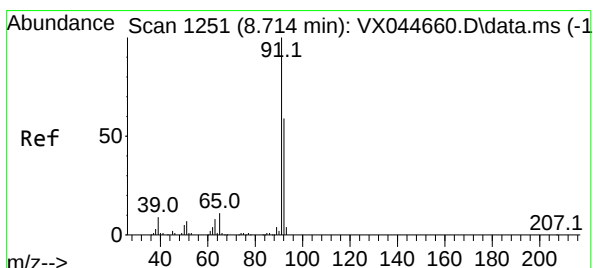
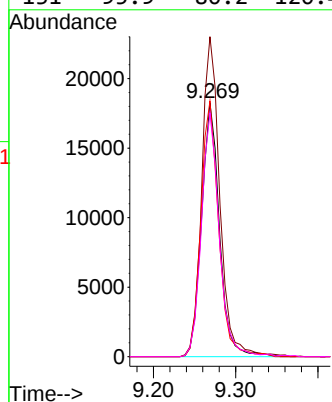
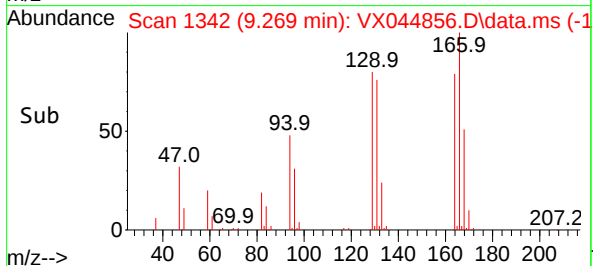
131 95.9 80.2 120.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#62

Toluene

Concen: 20.489 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044856.D

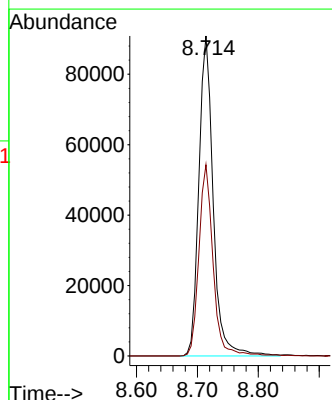
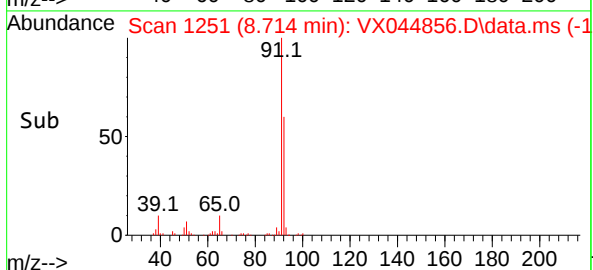
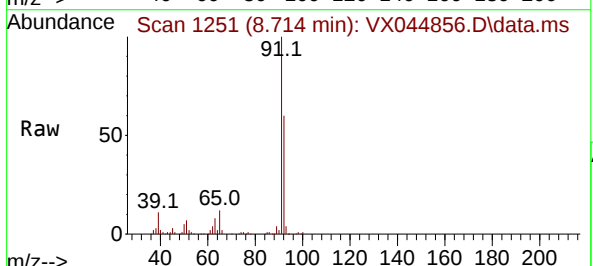
Acq: 07 Feb 2025 10:01

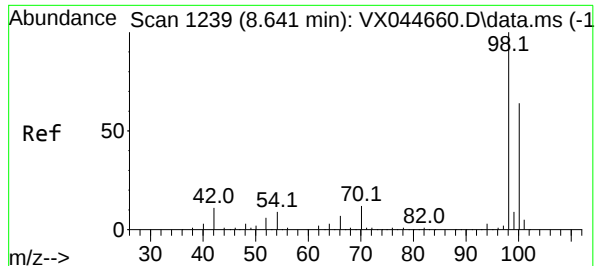
Tgt Ion: 91 Resp: 148843

Ion Ratio Lower Upper

91 100

92 57.9 47.3 70.9





#63

Toluene-d8

Concen: 30.715 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 98 Resp: 184300

Ion Ratio Lower Upper

98 100

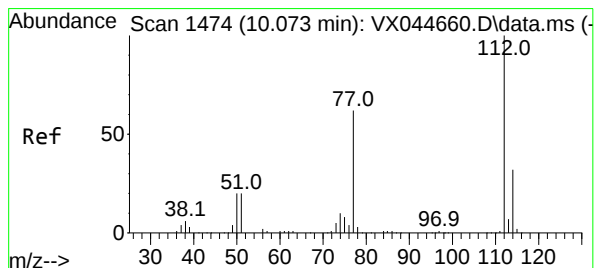
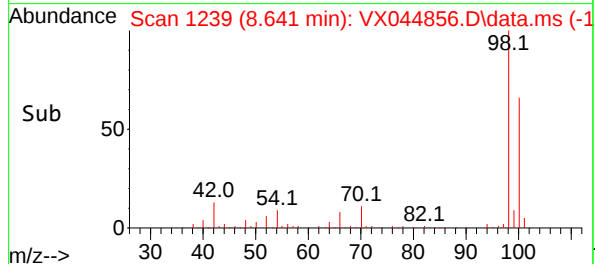
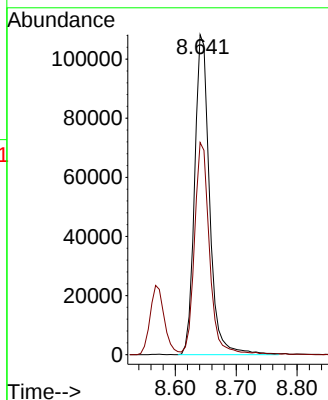
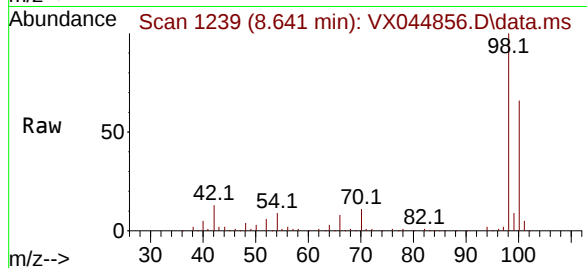
100 64.7 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#64

Chlorobenzene

Concen: 20.697 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. 0.000 min

Lab File: VX044856.D

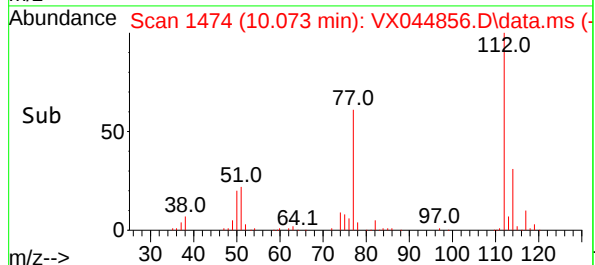
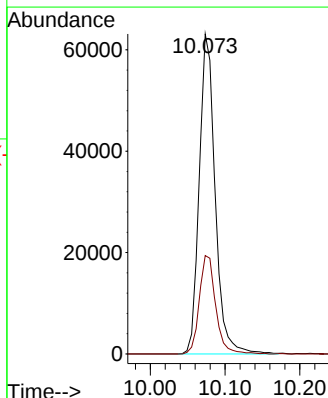
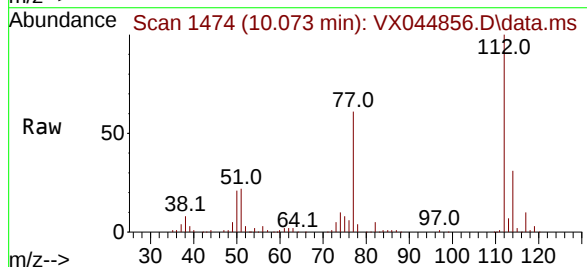
Acq: 07 Feb 2025 10:01

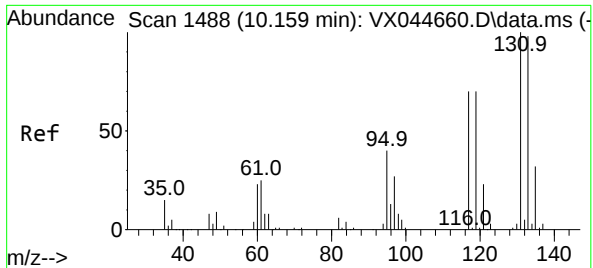
Tgt Ion:112 Resp: 93379

Ion Ratio Lower Upper

112 100

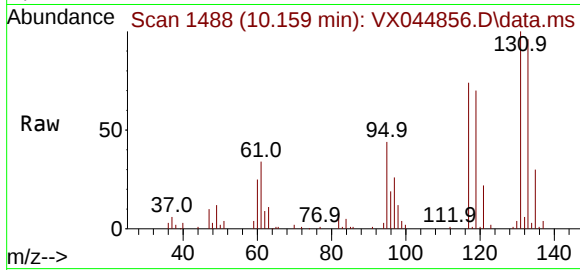
114 30.8 25.5 38.3





#65
1,1,1,2-Tetrachloroethane
Concen: 18.366 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

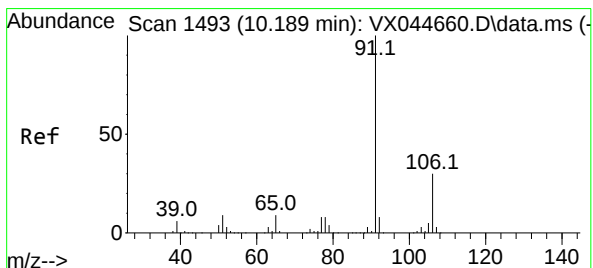
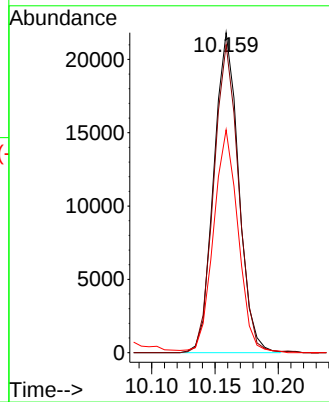
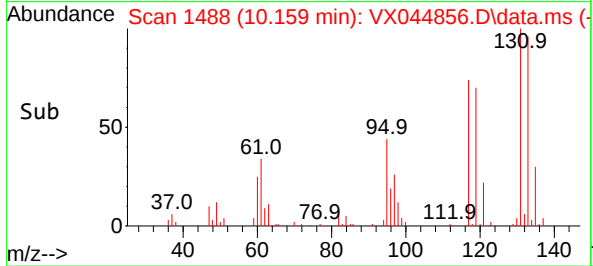
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion:131 Resp: 29760
Ion Ratio Lower Upper
131 100
133 96.1 0.0 192.4
119 68.7 0.0 133.4

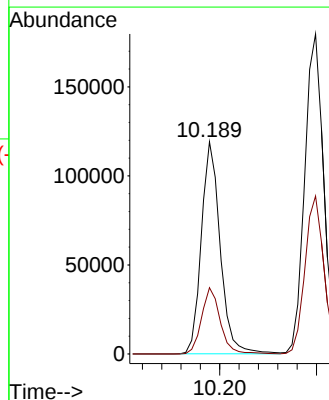
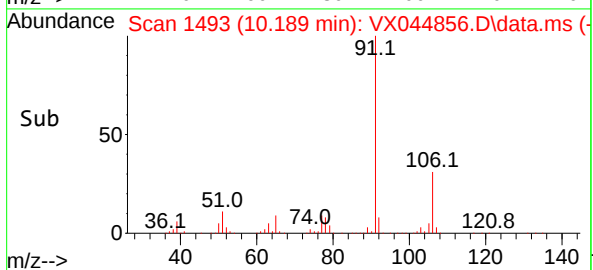
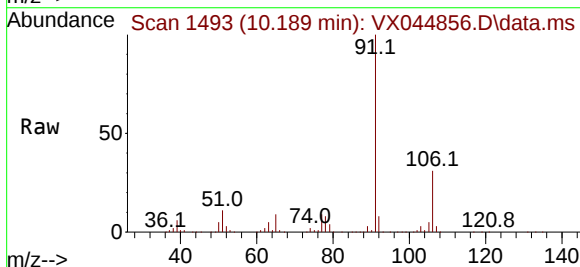
Manual Integrations
APPROVED

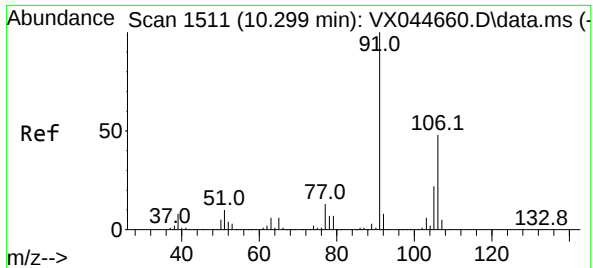
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#66
Ethyl Benzene
Concen: 20.400 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

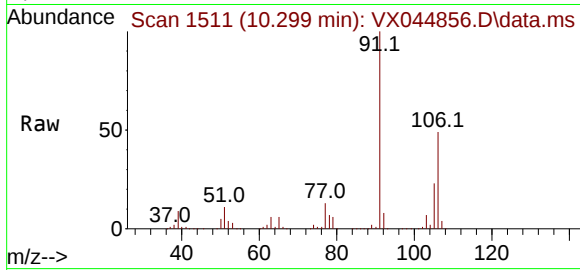
Tgt Ion: 91 Resp: 161727
Ion Ratio Lower Upper
91 100
106 31.3 24.0 36.0





#67
m/p-Xylenes
Concen: 42.369 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

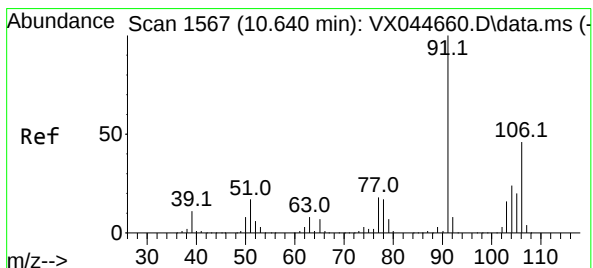
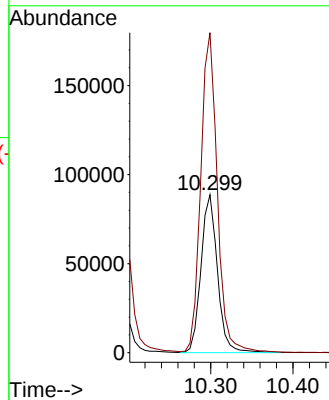
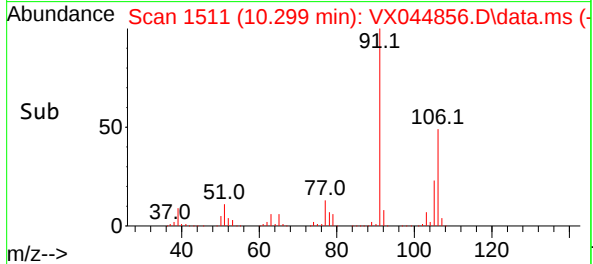
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion:106 Resp: 123472
Ion Ratio Lower Upper
106 100
91 203.0 166.8 250.2

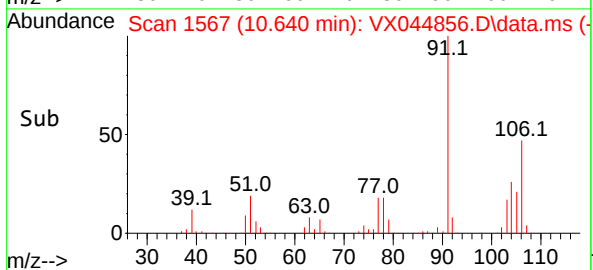
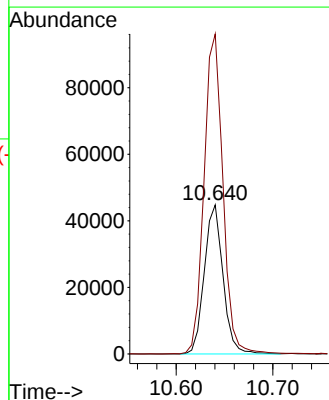
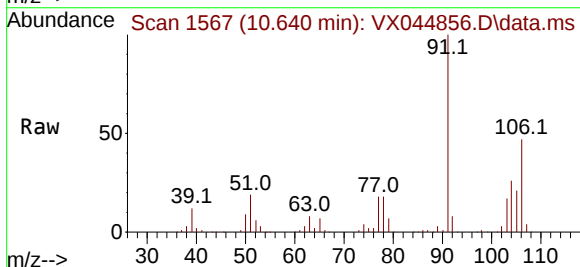
Manual Integrations
APPROVED

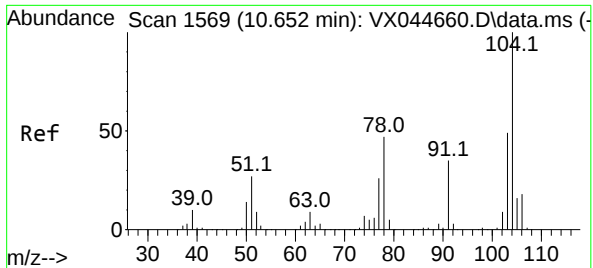
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#68
o-Xylene
Concen: 20.637 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Tgt Ion:106 Resp: 60359
Ion Ratio Lower Upper
106 100
91 216.2 109.7 329.1





#69

Styrene

Concen: 20.547 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion:104 Resp: 9866

Ion Ratio Lower Upper

104 100

78 50.5 42.0 63.0

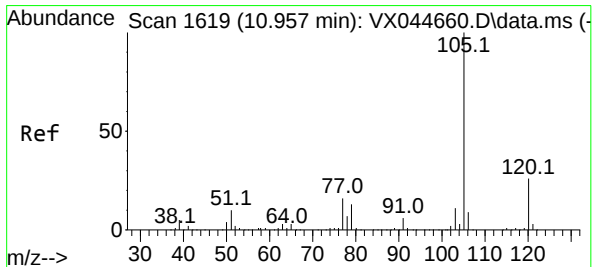
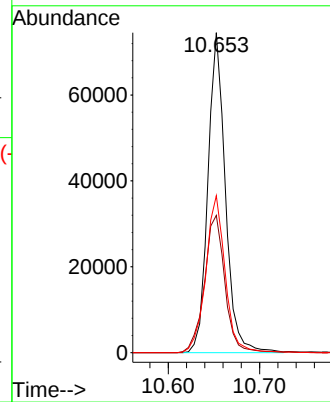
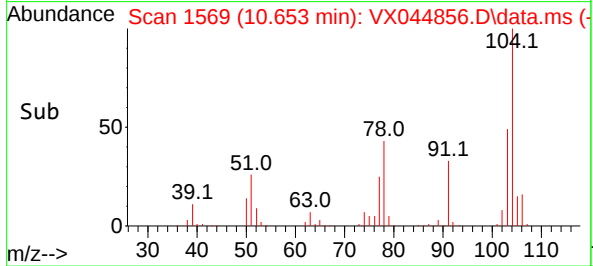
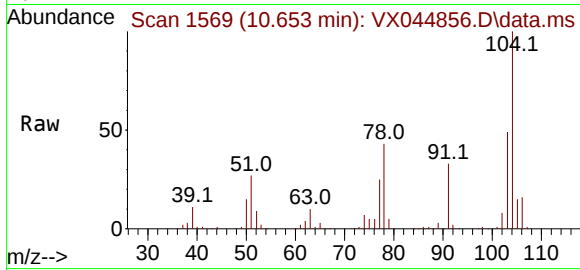
103 54.7 43.1 64.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#70

Isopropylbenzene

Concen: 21.094 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VX044856.D

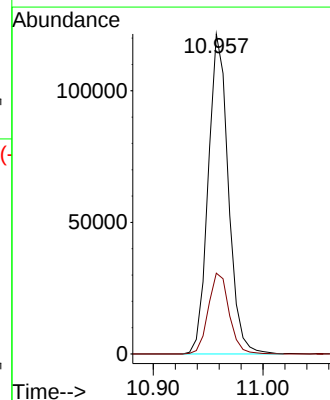
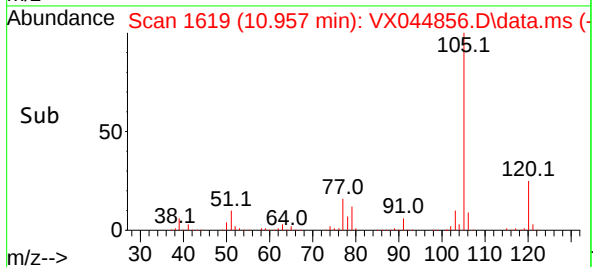
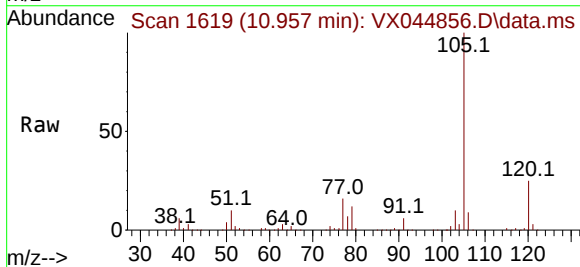
Acq: 07 Feb 2025 10:01

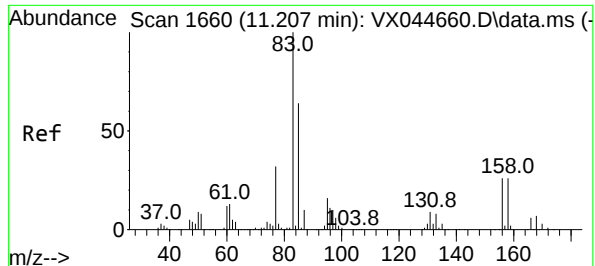
Tgt Ion:105 Resp: 155103

Ion Ratio Lower Upper

105 100

120 26.1 18.6 34.6





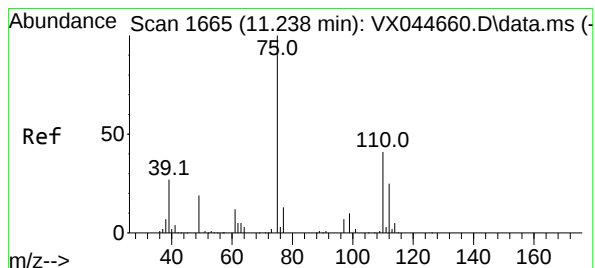
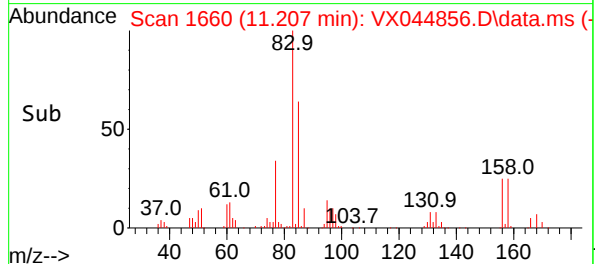
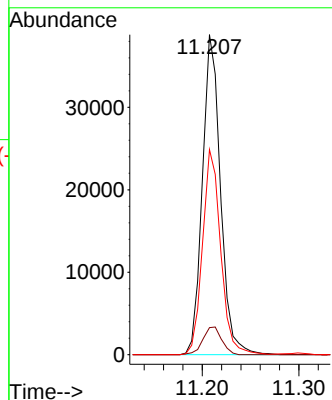
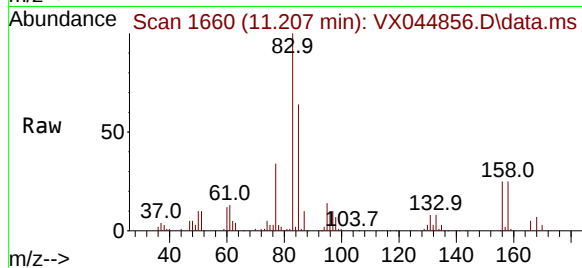
#71
1,1,2,2-Tetrachloroethane
Concen: 20.504 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 50682
Ion Ratio Lower Upper
83 100
131 9.0 5.0 14.9
85 64.2 33.0 99.0

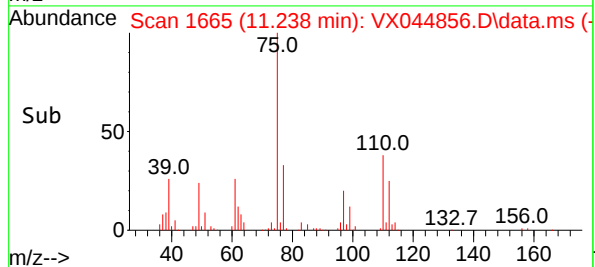
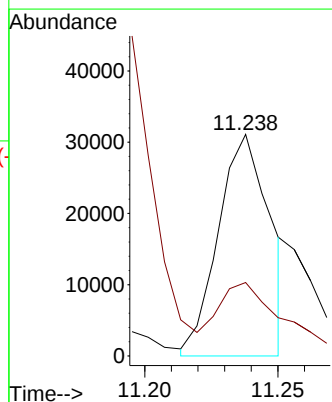
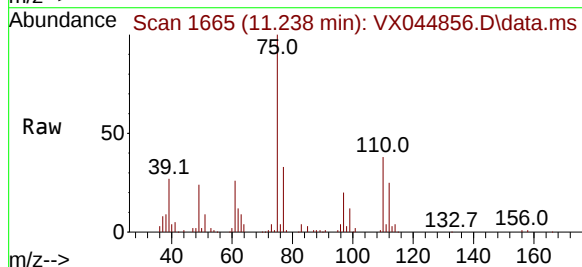
Manual Integrations
APPROVED

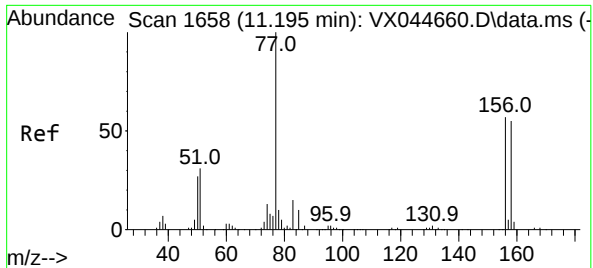
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#72
1,2,3-Trichloropropane
Concen: 20.161 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

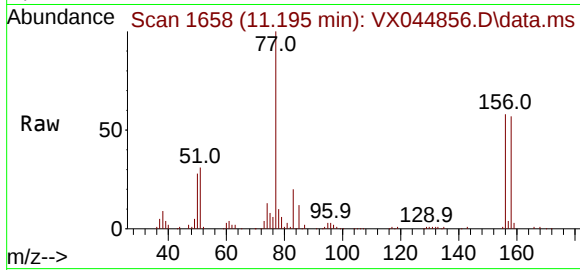
Tgt Ion: 75 Resp: 41926
Ion Ratio Lower Upper
75 100
77 42.6 0.0 83.0





#73
Bromobenzene
Concen: 19.973 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

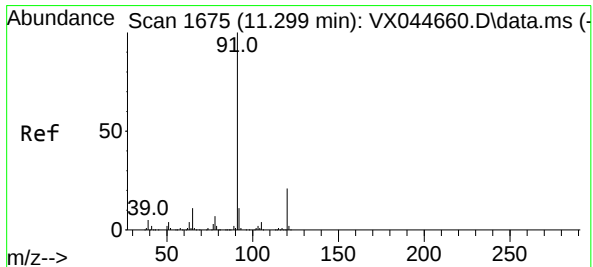
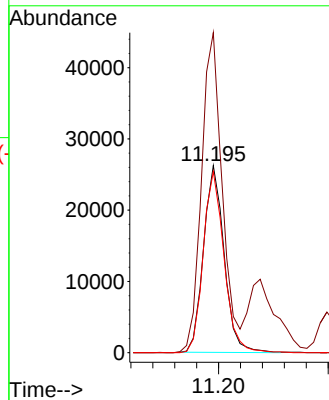
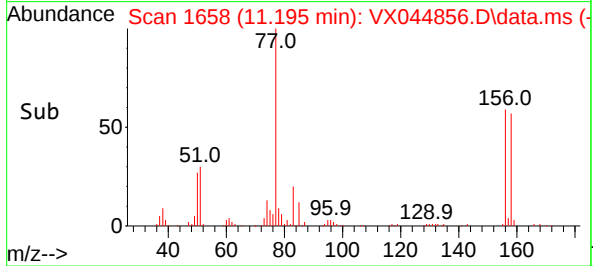
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion:156 Resp: 3421
Ion Ratio Lower Upper
156 100
77 172.2 0.0 354.6
158 98.0 0.0 193.6

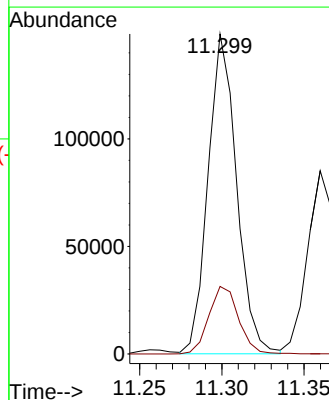
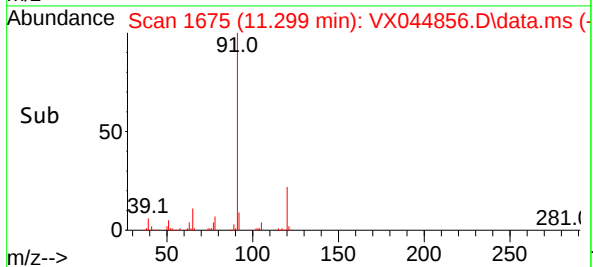
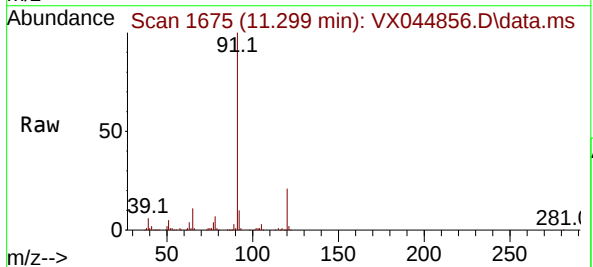
Manual Integrations
APPROVED

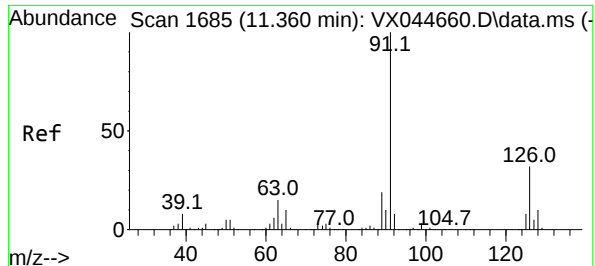
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#74
n-propylbenzene
Concen: 21.501 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Tgt Ion: 91 Resp: 179572
Ion Ratio Lower Upper
91 100
120 22.0 0.0 45.0





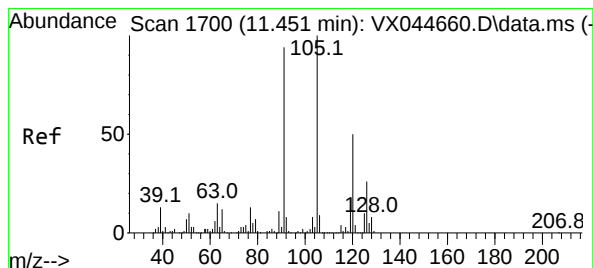
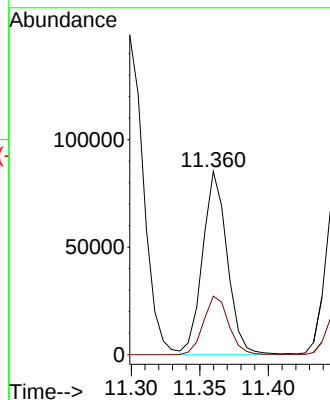
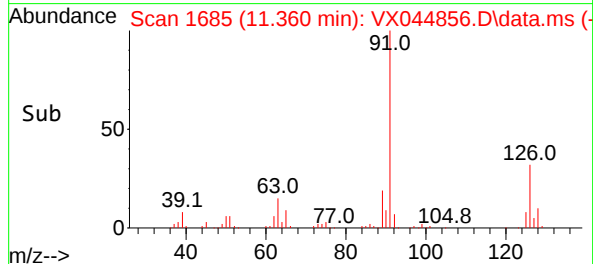
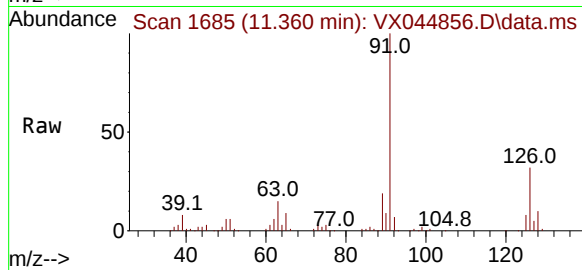
#75
2-Chlorotoluene
Concen: 20.324 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 106711
Ion Ratio Lower Upper
91 100
126 32.7 0.0 64.0

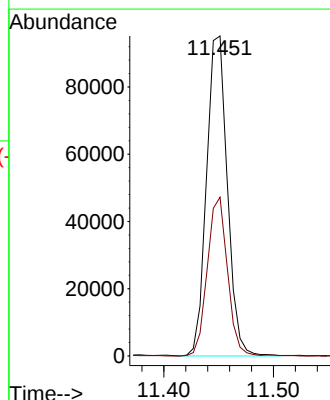
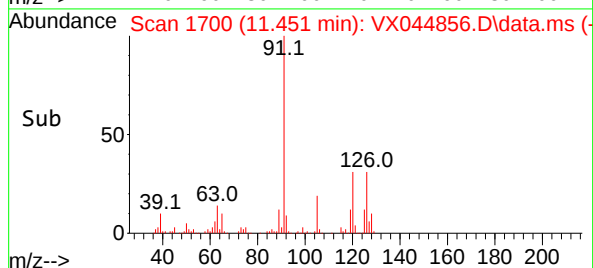
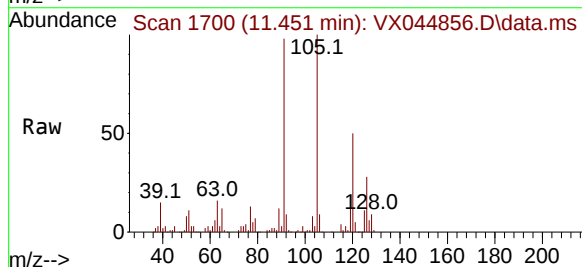
Manual Integrations
APPROVED

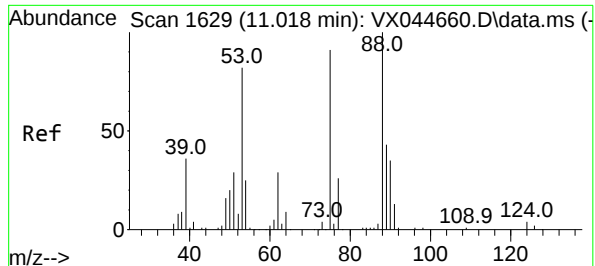
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#76
1,3,5-Trimethylbenzene
Concen: 21.029 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Tgt Ion:105 Resp: 125572
Ion Ratio Lower Upper
105 100
120 48.0 0.0 96.8





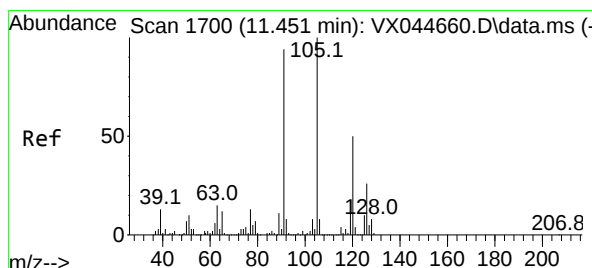
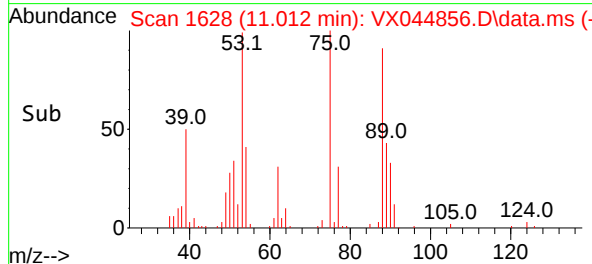
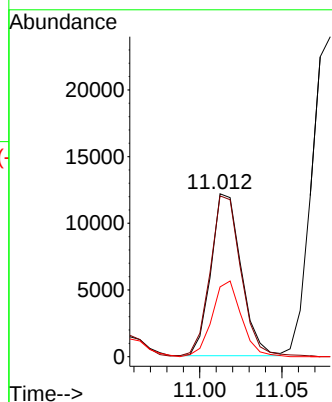
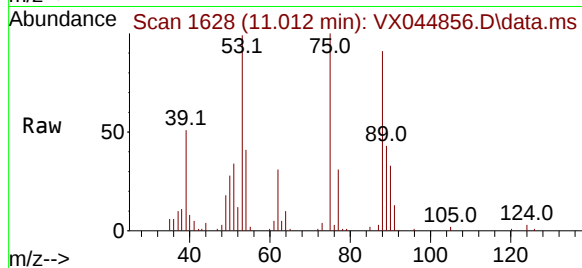
#77
t-1,4-Dichloro-2-butene
Concen: 15.755 ug/l
RT: 11.012 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 15500
Ion Ratio Lower Upper
75 100
53 98.8 45.3 135.9
89 43.1 23.8 71.2

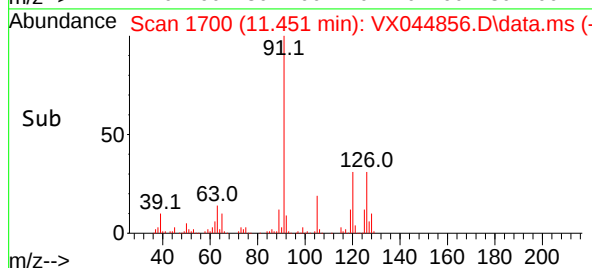
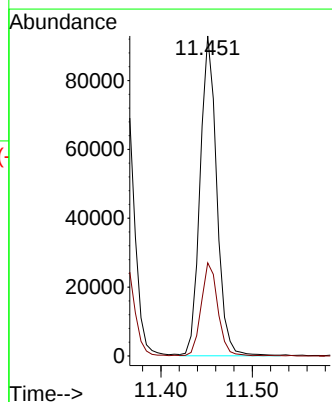
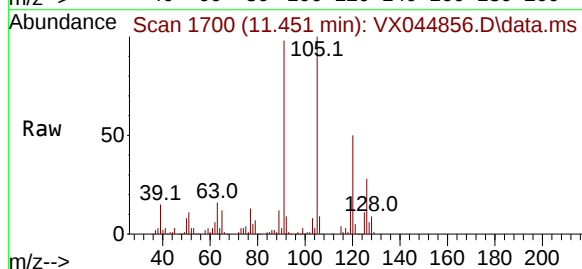
Manual Integrations
APPROVED

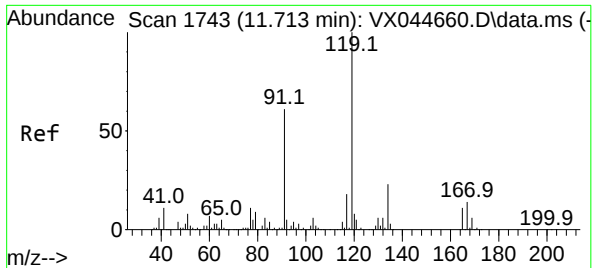
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#78
4-Chlorotoluene
Concen: 20.313 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

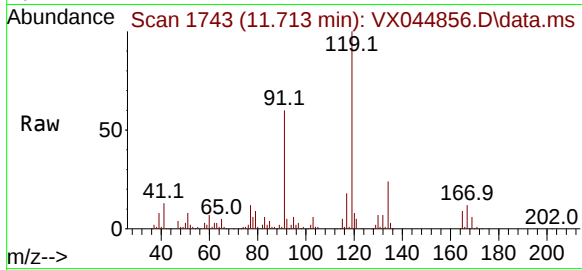
Tgt Ion: 91 Resp: 117523
Ion Ratio Lower Upper
91 100
126 28.7 0.0 55.4





#79
tert-butylbenzene
Concen: 20.617 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

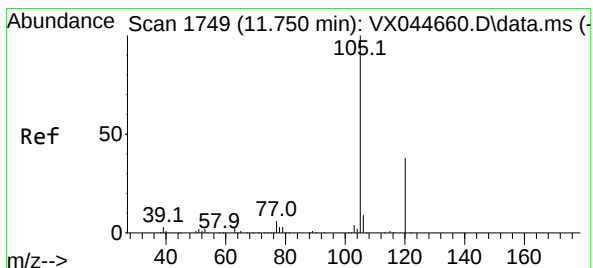
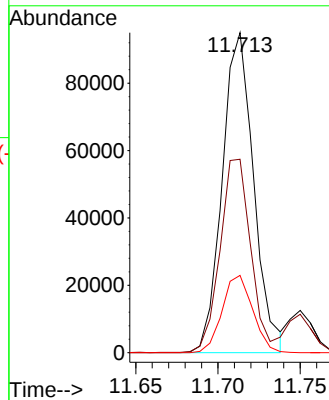
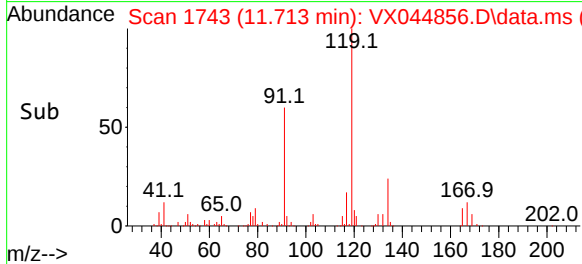
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion:119 Resp: 126472
Ion Ratio Lower Upper
119 100
91 58.8 0.0 119.0
134 23.5 0.0 44.8

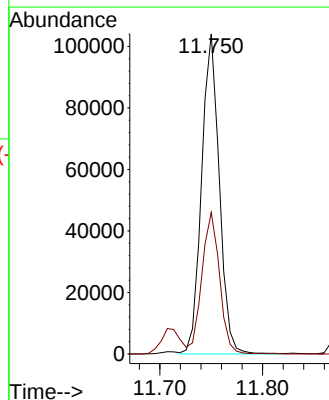
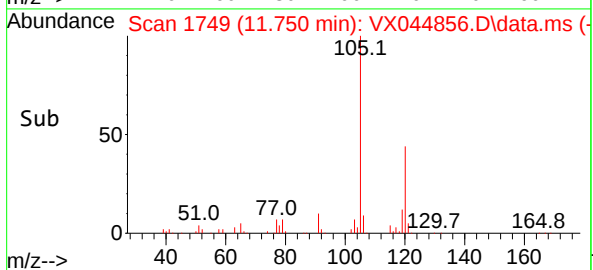
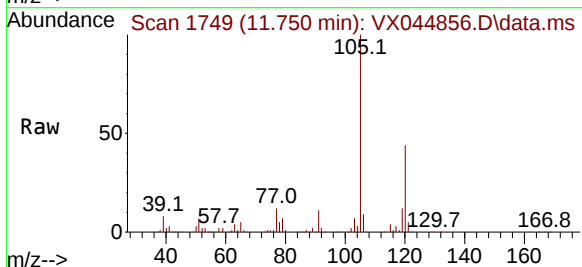
Manual Integrations
APPROVED

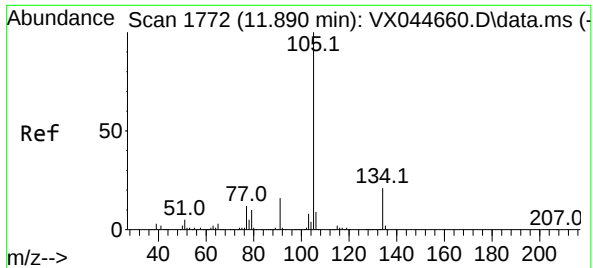
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#80
1,2,4-Trimethylbenzene
Concen: 20.698 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

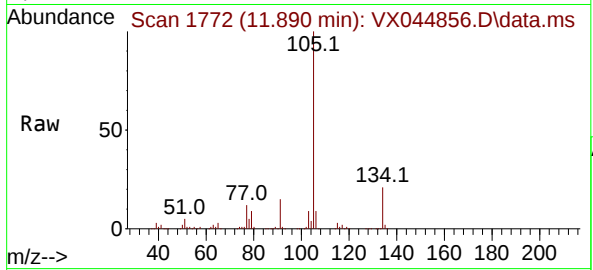
Tgt Ion:105 Resp: 124696
Ion Ratio Lower Upper
105 100
120 43.9 0.0 88.4





#81
sec-Butylbenzene
Concen: 21.482 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

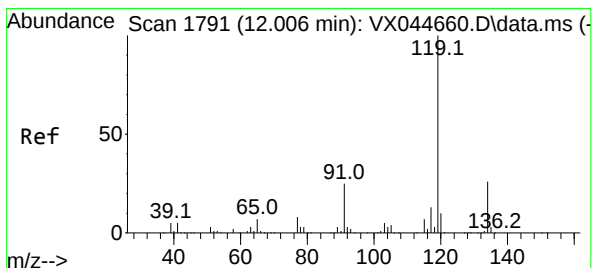
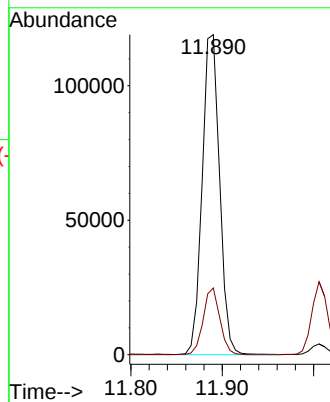
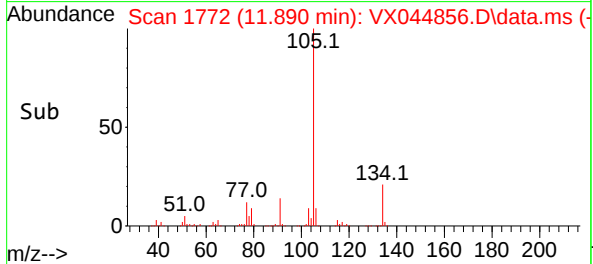
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



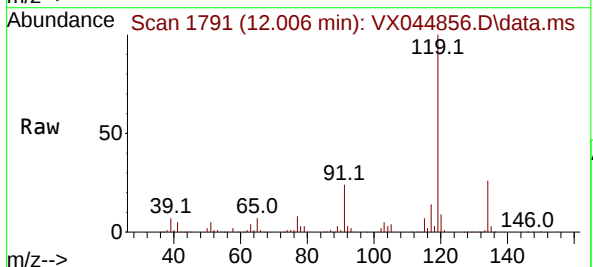
Tgt Ion:105 Resp: 157354
Ion Ratio Lower Upper
105 100
134 19.9 0.0 39.6

Manual Integrations
APPROVED

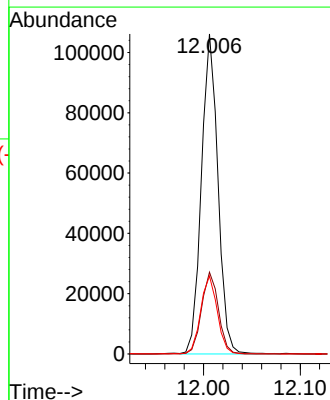
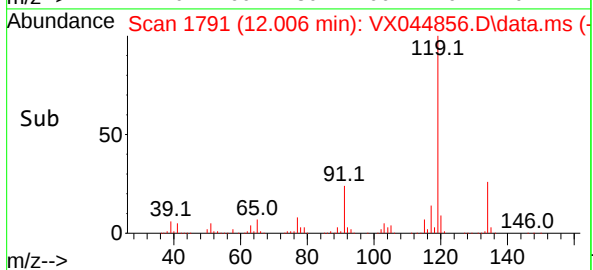
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025

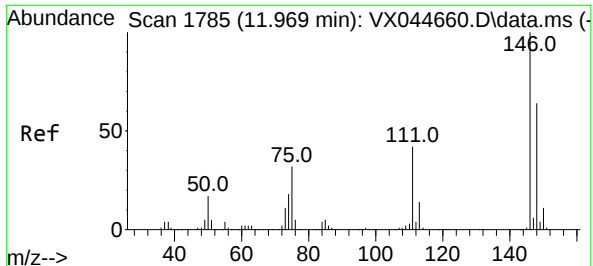


#82
p-Isopropyltoluene
Concen: 20.962 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01



Tgt Ion:119 Resp: 126371
Ion Ratio Lower Upper
119 100
134 26.0 0.0 52.2
91 24.3 0.0 50.2





#83

1,3-Dichlorobenzene

Concen: 20.374 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044856.D

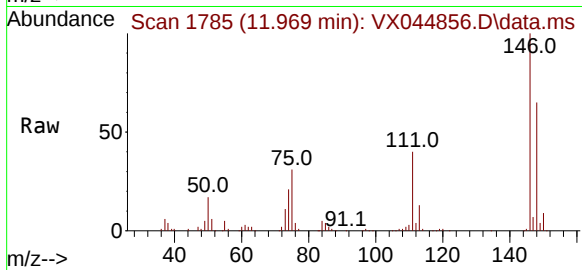
Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020



Tgt Ion:146 Resp: 6198

Ion Ratio Lower Upper

146 100

111 41.8 21.6 64.6

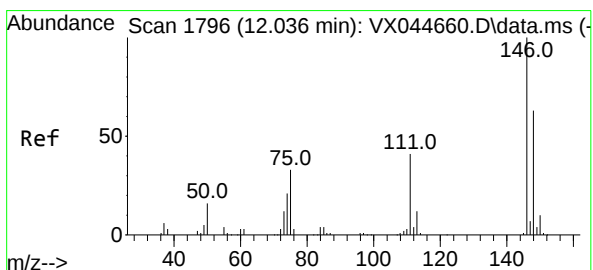
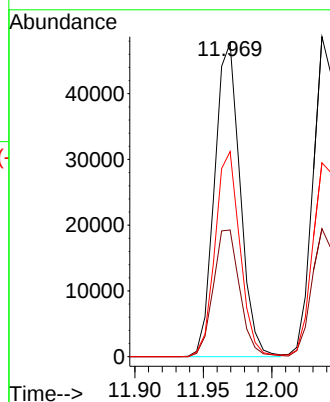
148 63.6 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#84

1,4-Dichlorobenzene

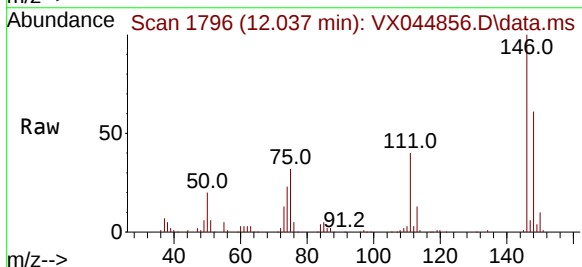
Concen: 20.602 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01



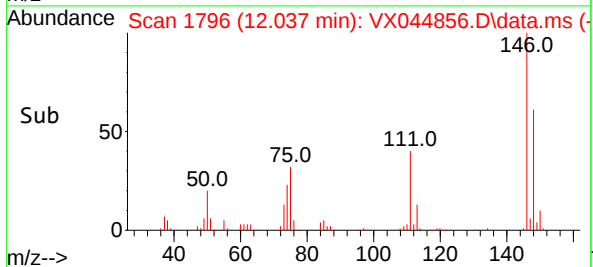
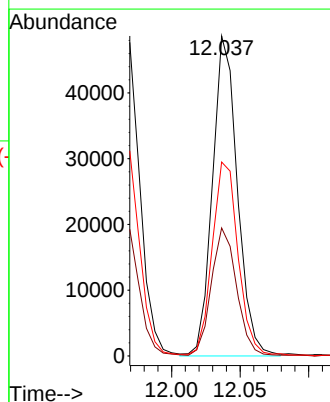
Tgt Ion:146 Resp: 61448

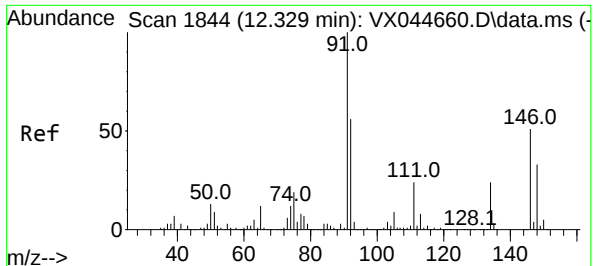
Ion Ratio Lower Upper

146 100

111 40.7 20.8 62.5

148 61.7 32.1 96.5





#85

n-Butylbenzene

Concen: 21.247 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tgt Ion: 91 Resp: 111034

Ion Ratio Lower Upper

91 100

92 53.6 0.0 109.4

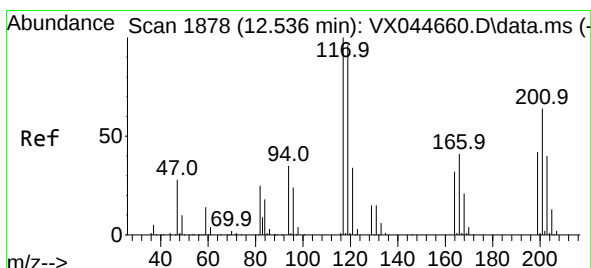
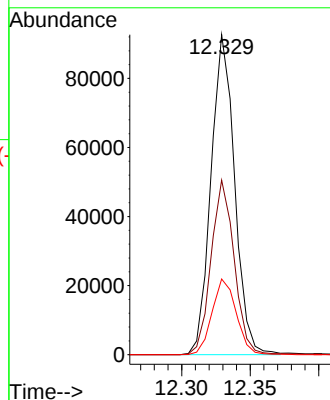
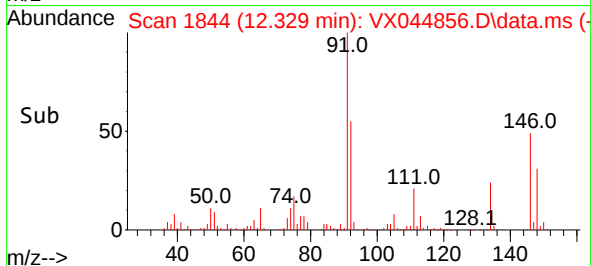
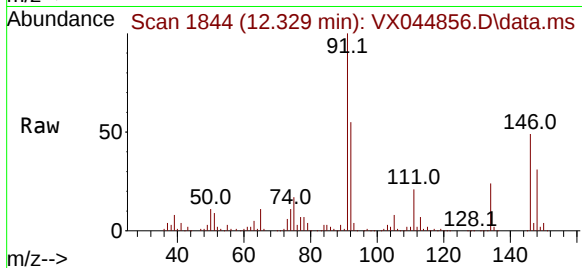
134 24.3 0.0 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#86

Hexachloroethane

Concen: 17.682 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044856.D

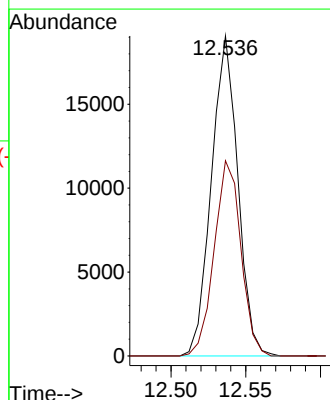
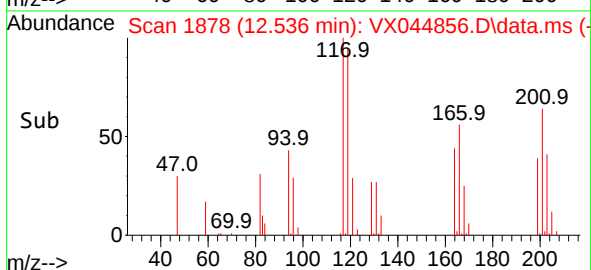
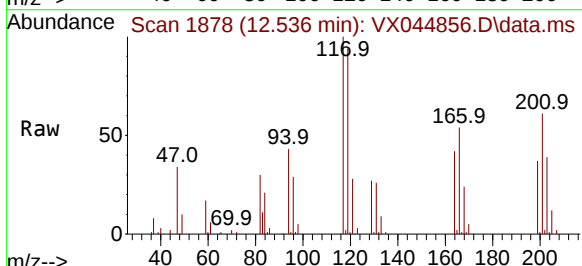
Acq: 07 Feb 2025 10:01

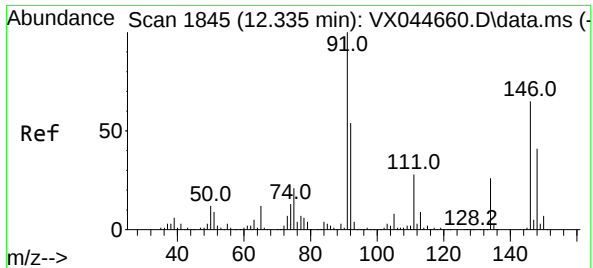
Tgt Ion:117 Resp: 23450

Ion Ratio Lower Upper

117 100

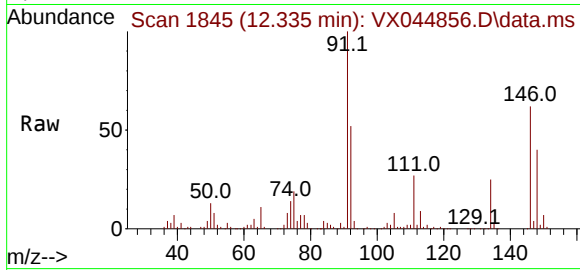
201 61.7 33.0 98.9





#87
1,2-Dichlorobenzene
Concen: 20.124 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

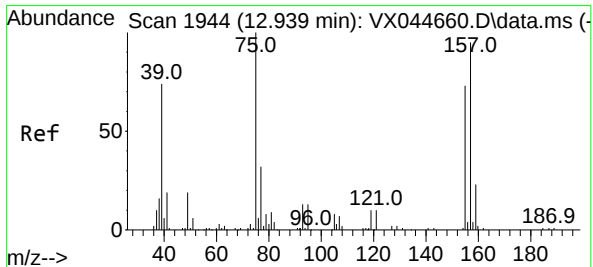
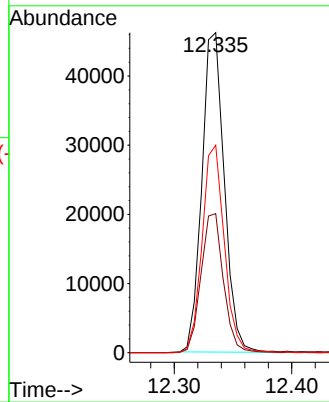
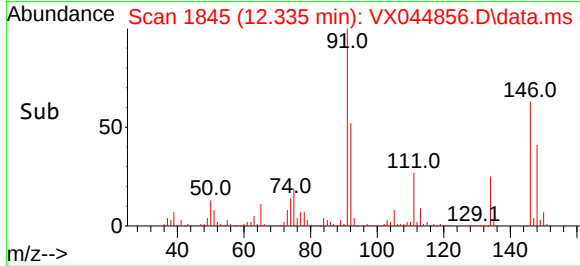
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion:146 Resp: 6114
Ion Ratio Lower Upper
146 100
111 43.7 22.2 66.6
148 63.7 32.1 96.3

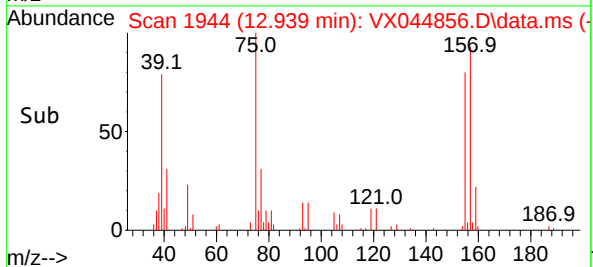
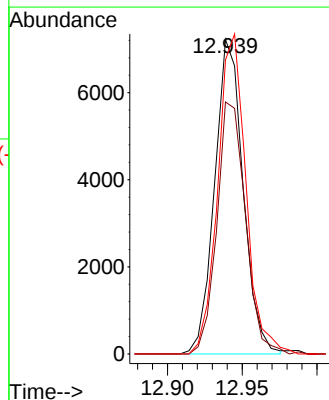
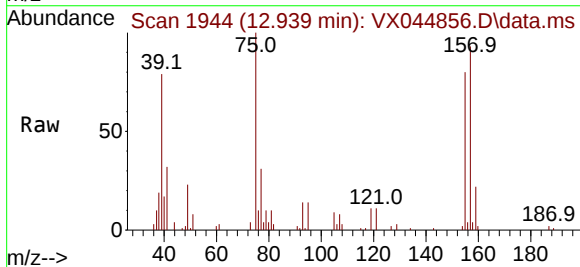
Manual Integrations
APPROVED

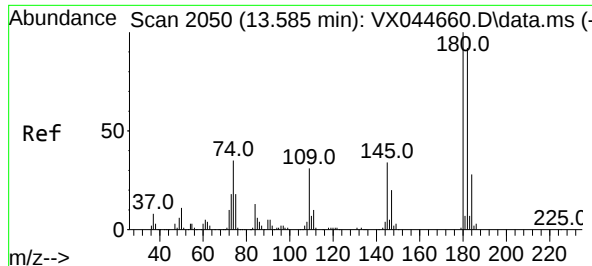
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 16.066 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Tgt Ion: 75 Resp: 9565
Ion Ratio Lower Upper
75 100
155 80.3 62.3 93.5
157 100.4 79.9 119.9





#89

1,2,4-Trichlorobenzene

Concen: 18.900 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

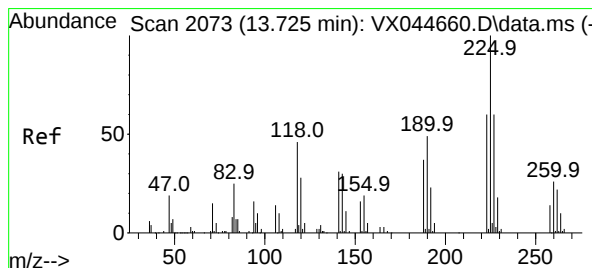
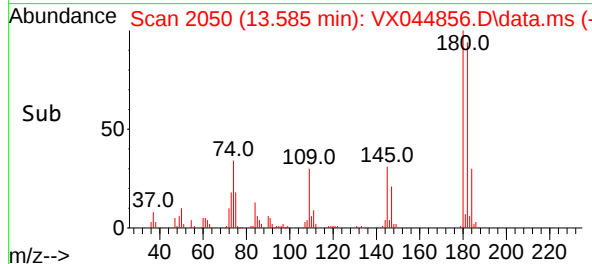
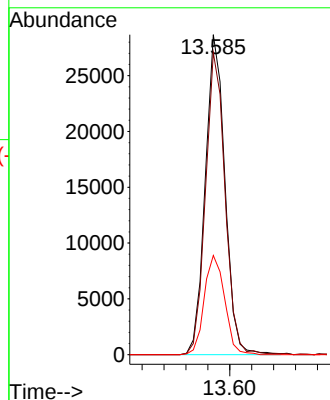
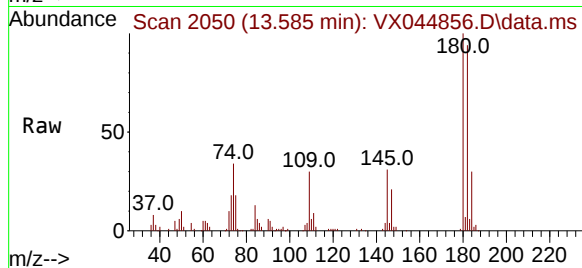
Tgt Ion:180	Resp:	3568	
Ion Ratio	Lower	Upper	
180	100		
182	93.0	75.6	113.4
145	32.1	26.6	40.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#90

Hexachlorobutadiene

Concen: 20.914 ug/l

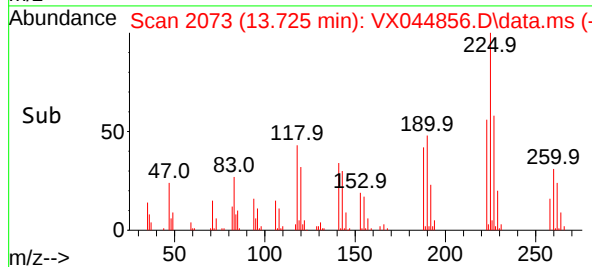
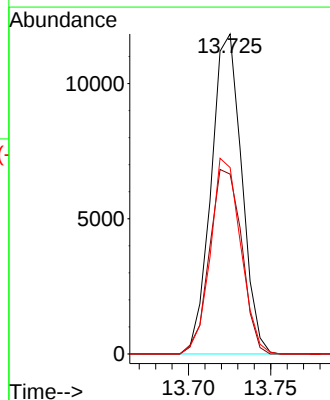
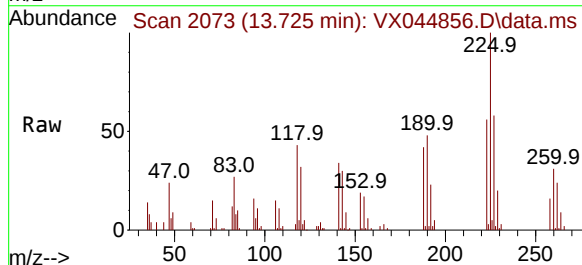
RT: 13.725 min Scan# 2073

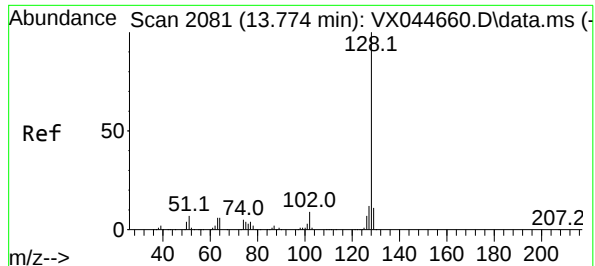
Delta R.T. 0.000 min

Lab File: VX044856.D

Acq: 07 Feb 2025 10:01

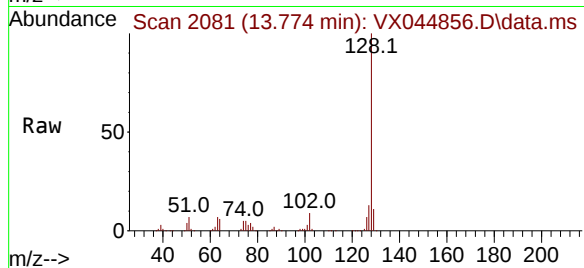
Tgt Ion:225	Resp:	15274	
Ion Ratio	Lower	Upper	
225	100		
223	60.5	0.0	123.0
227	60.5	0.0	124.2





#91
Naphthalene
Concen: 18.722 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

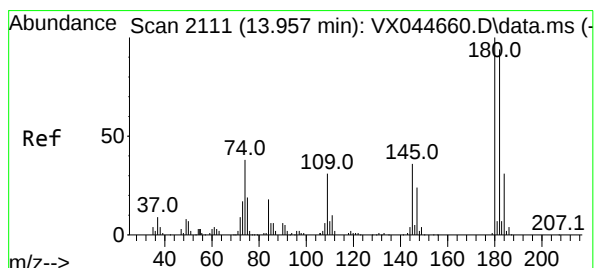
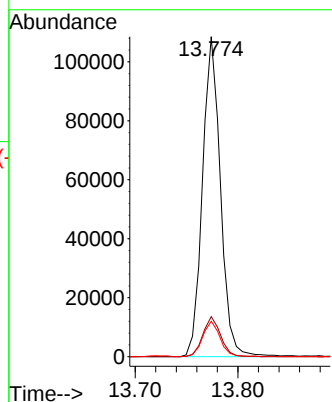
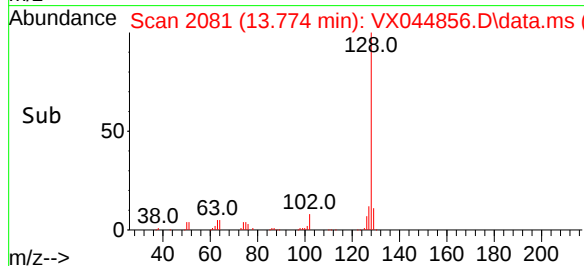
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 132248
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 10.7 9.0 13.6

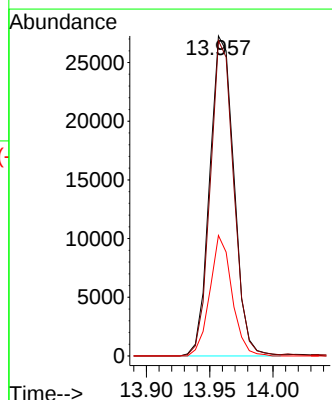
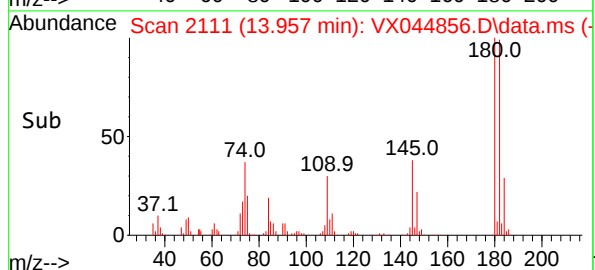
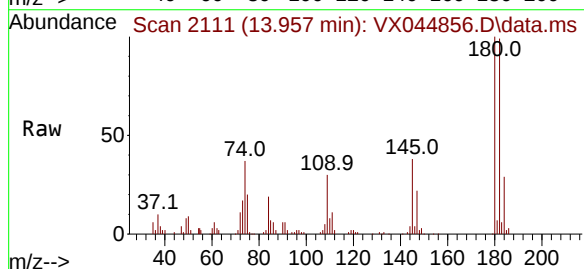
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#92
1,2,3-Trichlorobenzene
Concen: 18.912 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044856.D
Acq: 07 Feb 2025 10:01

Tgt Ion:180 Resp: 36318
Ion Ratio Lower Upper
180 100
182 95.6 0.0 187.8
145 34.5 0.0 69.8





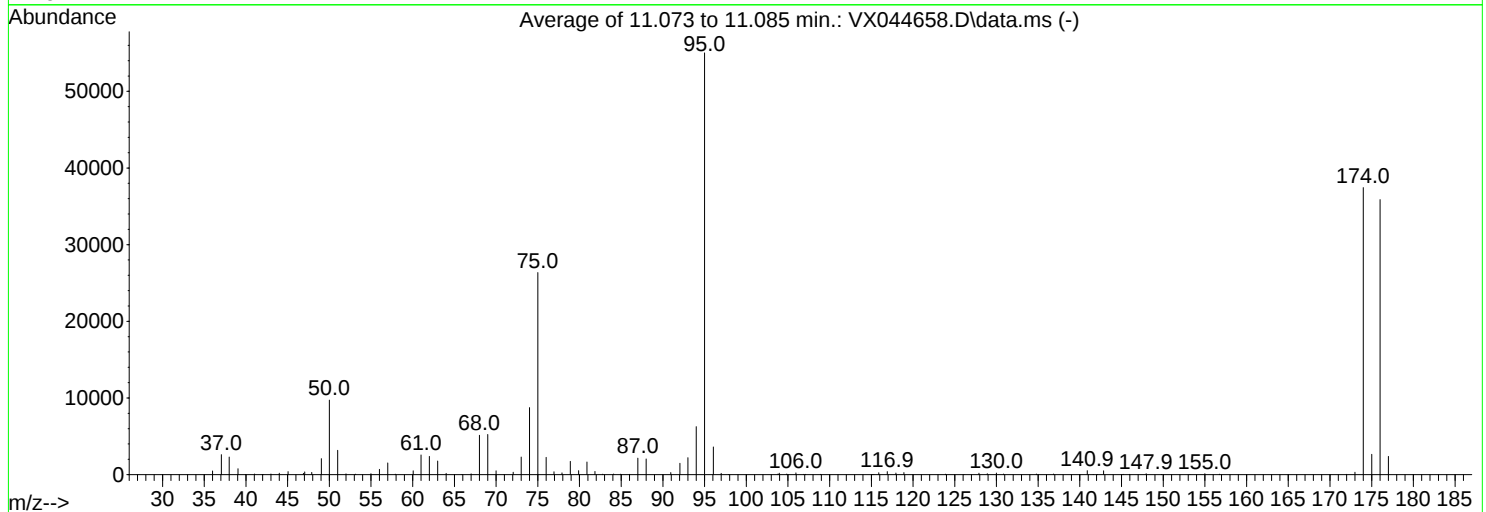
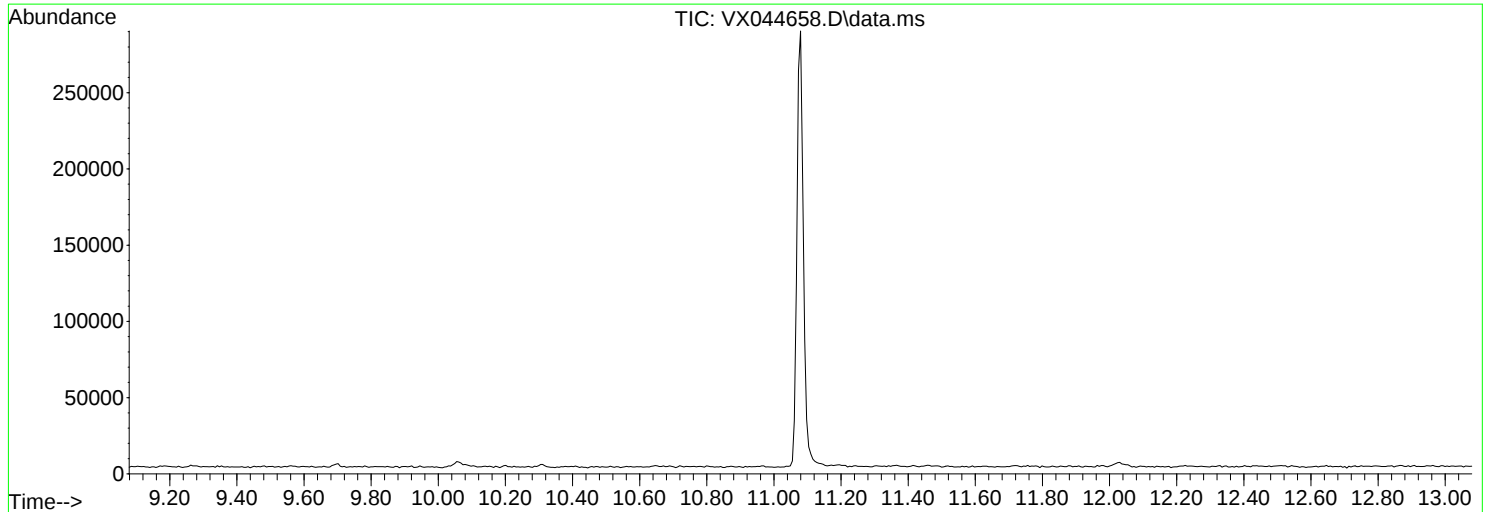
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
Data File : VX044658.D
Acq On : 16 Jan 2025 08:02
Operator :
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Title : SW846 8260
Last Update : Mon Oct 28 13:41:34 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1630

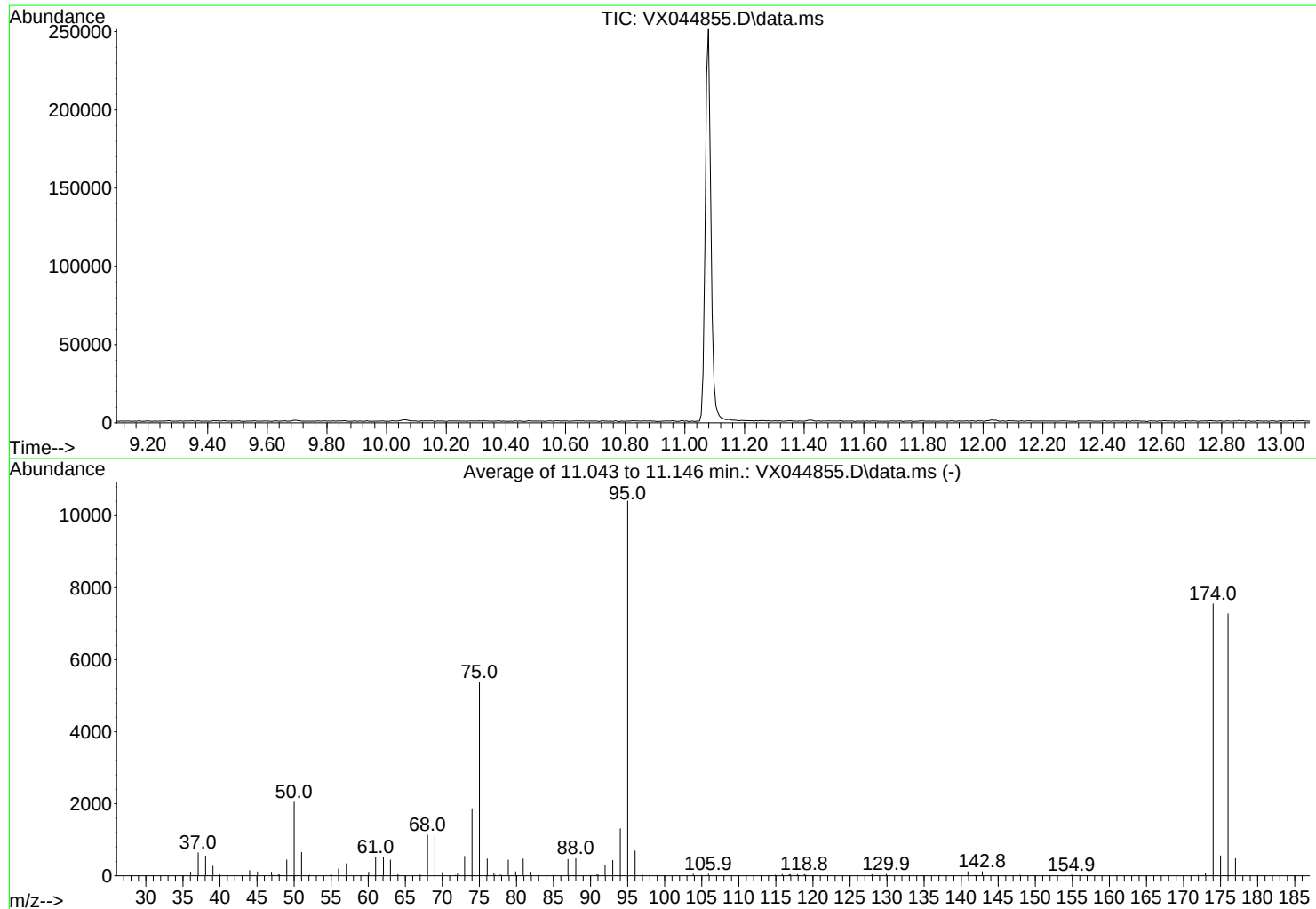
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.7	9723	PASS
75	95	30	60	47.9	26357	PASS
95	95	100	100	100.0	55021	PASS
96	95	5	9	6.6	3607	PASS
173	174	0.00	2	0.8	316	PASS
174	95	50	100	68.1	37445	PASS
175	174	5	9	7.1	2650	PASS
176	174	95	101	95.8	35883	PASS
177	176	5	9	6.6	2384	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044855.D
Acq On : 07 Feb 2025 09:33
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Jan 17 01:21:41 2025



AutoFind: Averaged scan 1633 to 1650; Bkg corrected with scan 1632

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.7	2049	PASS
75	95	30	60	51.6	5371	PASS
95	95	100	100	100.0	10407	PASS
96	95	5	9	6.6	691	PASS
173	174	0.00	2	0.9	70	PASS
174	95	50	100	72.5	7547	PASS
175	174	5	9	7.4	557	PASS
176	174	95	101	96.4	7277	PASS
177	176	5	9	6.6	483	PASS

Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	
Project:	Transfer Station-SPDES	Date Received:	
Client Sample ID:	VX0207WBL01	SDG No.:	Q1319
Lab Sample ID:	VX0207WBL01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044859.D	1		02/07/25 11:24	VX020725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
108-88-3	Toluene	0.72	U	0.72	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.3		91 - 110	98%	SPK: 30
2037-26-5	Toluene-d8	30.4		91 - 112	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	31.4		63 - 112	105%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	20500	4.898			
540-36-3	1,4-Difluorobenzene	114000	6.757			
3114-55-4	Chlorobenzene-d5	99600	10.049			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044859.D
 Acq On : 07 Feb 2025 11:24
 Operator : JC/MD
 Sample : VX0207WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBL01

Quant Time: Feb 07 22:13:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.898	128	20510	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	114099	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	99648	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	58004	29.295	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.633%
60) 4-Bromofluorobenzene	11.079	95	60822	31.424	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.733%
63) Toluene-d8	8.647	98	164674	30.384	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.267%

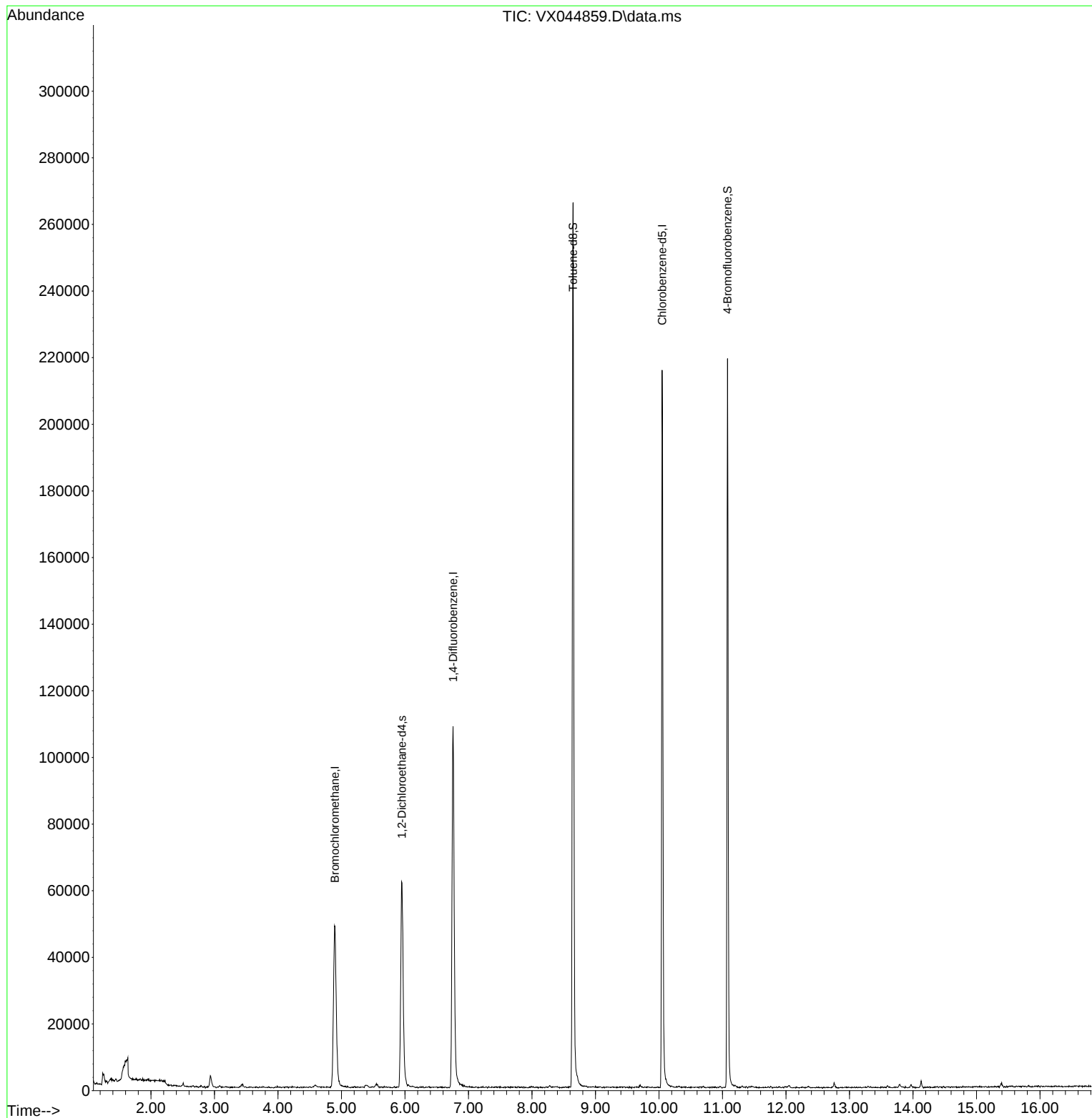
Target Compounds	Qvalue

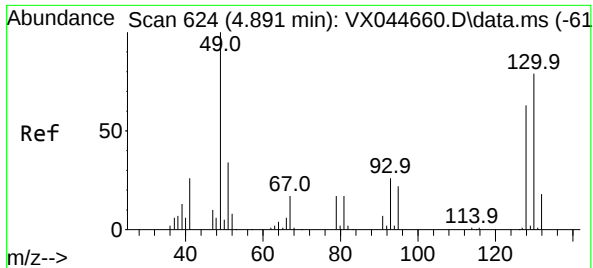
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044859.D
Acq On : 07 Feb 2025 11:24
Operator : JC/MD
Sample : VX0207WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

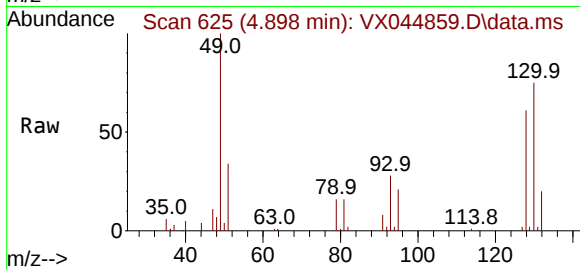
Quant Time: Feb 07 22:13:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration



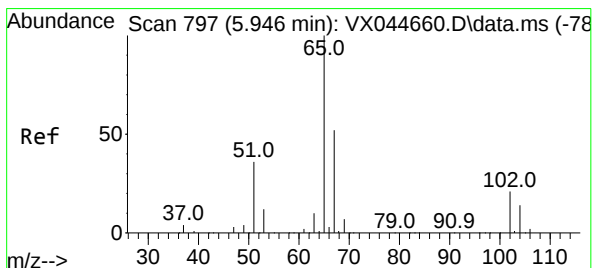
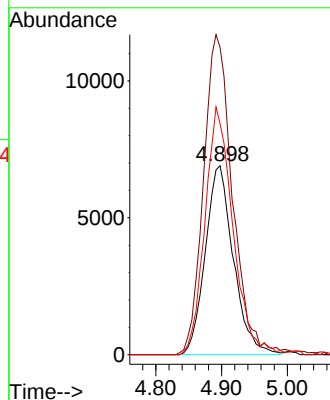
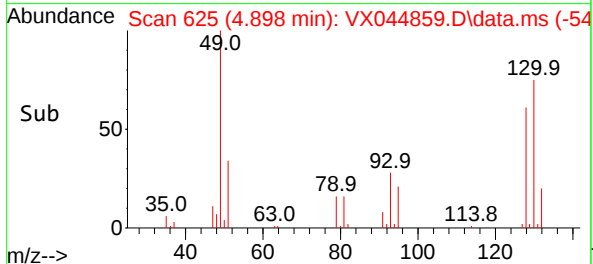


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

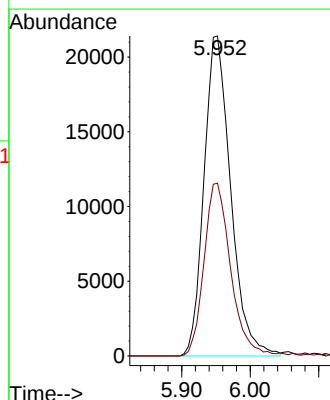
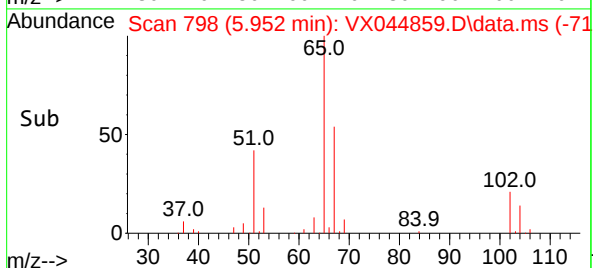
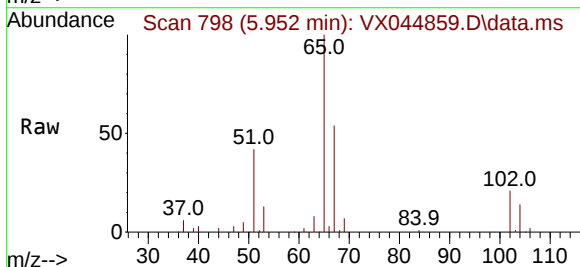


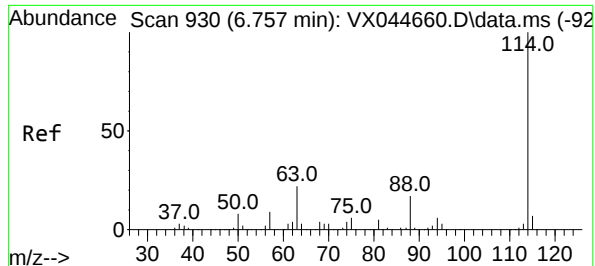
Tgt Ion:128 Resp: 20510
Ion Ratio Lower Upper
128 100
49 171.6 0.0 411.5
130 128.1 0.0 324.3



#27
1,2-Dichloroethane-d4
Concen: 29.295 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Tgt Ion: 65 Resp: 58004
Ion Ratio Lower Upper
65 100
67 53.8 41.4 62.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX044859.D

Acq: 07 Feb 2025 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBL01

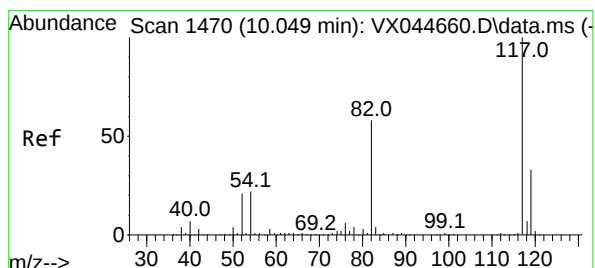
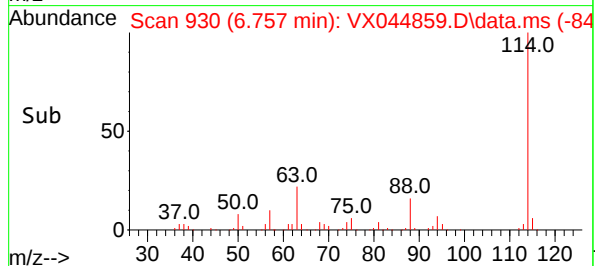
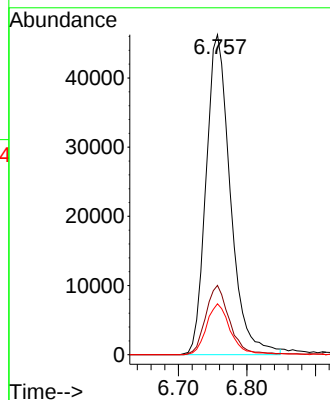
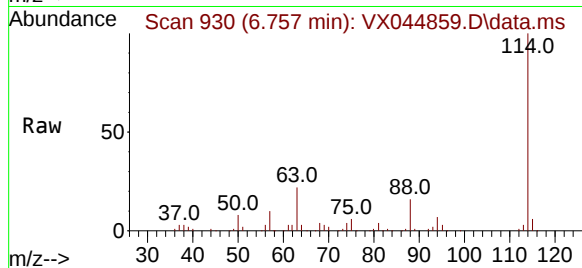
Tgt Ion:114 Resp: 114099

Ion Ratio Lower Upper

114 100

63 21.3 16.6 24.8

88 15.3 13.4 20.2



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044859.D

Acq: 07 Feb 2025 11:24

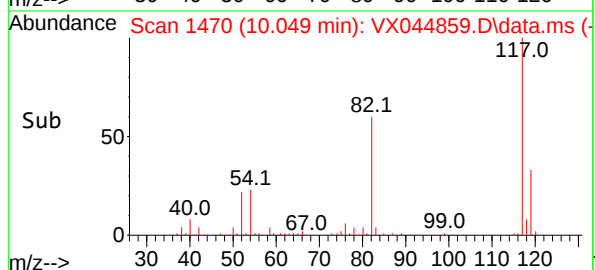
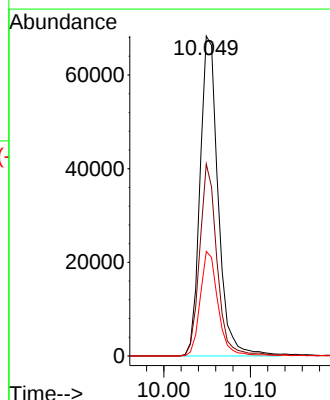
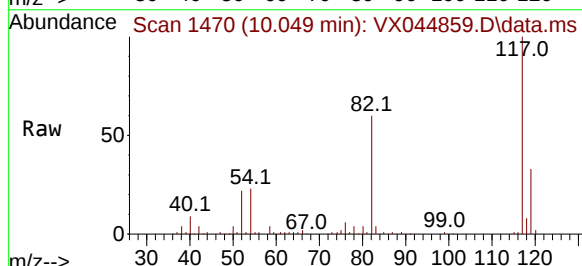
Tgt Ion:117 Resp: 99648

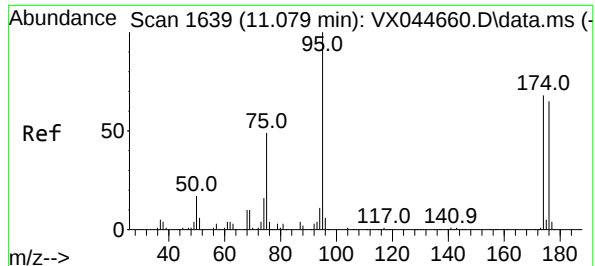
Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.6

119 32.0 25.8 38.6

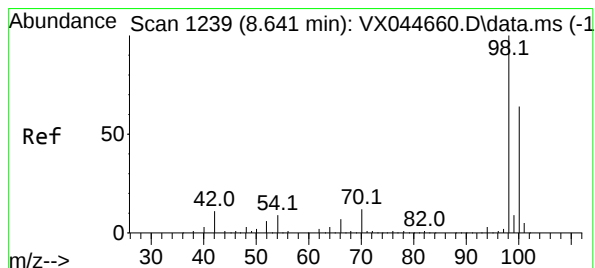
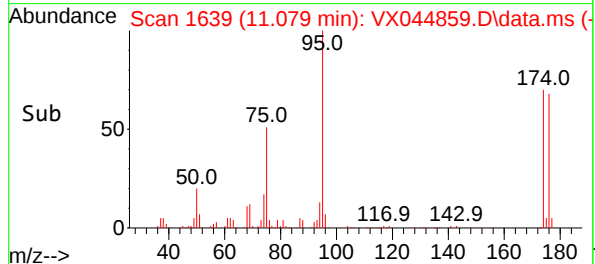
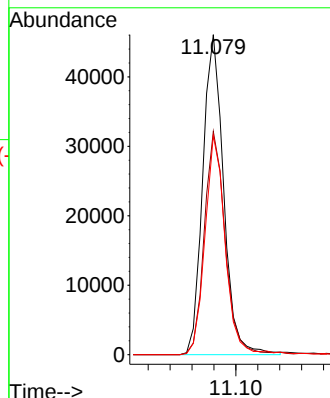
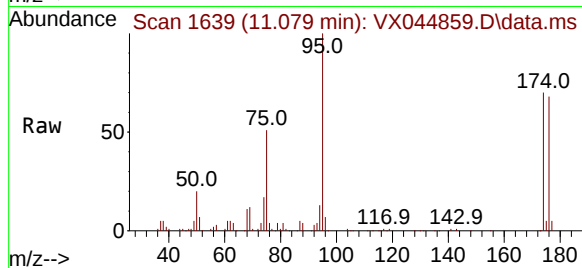




#60
4-Bromofluorobenzene
Concen: 31.424 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

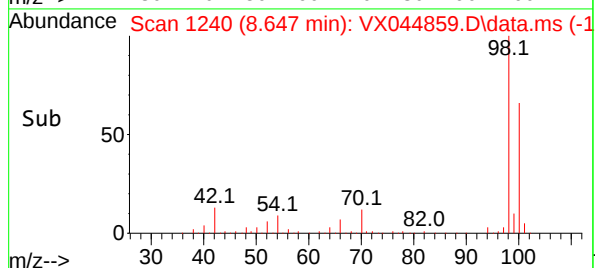
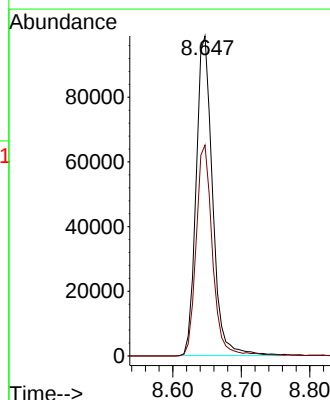
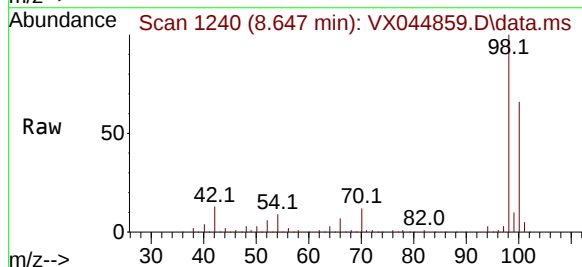
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

Tgt Ion: 95 Resp: 60822
Ion Ratio Lower Upper
95 100
174 69.5 54.6 81.8
176 65.5 52.8 79.2



#63
Toluene-d8
Concen: 30.384 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044859.D
Acq: 07 Feb 2025 11:24

Tgt Ion: 98 Resp: 164674
Ion Ratio Lower Upper
98 100
100 65.9 53.6 80.4



Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	
Project:	Transfer Station-SPDES	Date Received:	
Client Sample ID:	VX0207WBS01	SDG No.:	Q1319
Lab Sample ID:	VX0207WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044857.D	1		02/07/25 10:33	VX020725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	21.0		0.69	5.00	ug/L
108-88-3	Toluene	20.7		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	20.8		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	43.0		1.70	10.0	ug/L
95-47-6	o-Xylene	21.5		0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.8		91 - 110	96%	SPK: 30
2037-26-5	Toluene-d8	29.8		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.8		63 - 112	96%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	21300	4.885			
540-36-3	1,4-Difluorobenzene	121000	6.751			
3114-55-4	Chlorobenzene-d5	109000	10.049			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044857.D
 Acq On : 07 Feb 2025 10:33
 Operator : JC/MD
 Sample : VX0207WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Feb 07 22:11:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.885	128	21269	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	121245	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	109254	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	59056	28.762	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.867%
60) 4-Bromofluorobenzene	11.079	95	61180	28.830	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.100%
63) Toluene-d8	8.641	98	177307	29.838	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.467%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	37184	19.663	ug/l	98
3) Chloromethane	1.307	50	43711	21.974	ug/l	96
4) Vinyl Chloride	1.374	62	40820	20.973	ug/l	95
5) Bromomethane	1.593	94	11977	25.461	ug/l	90
6) Chloroethane	1.666	64	20410	66.137	ug/l	98
7) Trichlorofluoromethane	1.874	101	55621	26.095	ug/l	97
8) Diethyl Ether	2.130	74	20315	24.706	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	34039	22.291	ug/l	97
10) 1,1-Dichloroethene	2.306	96	32740	20.840	ug/l	92
11) Methyl Iodide	2.441	142	44608	20.490	ug/l	98
12) Methyl Acetate	2.697	43	59881	26.109	ug/l	98
13) Acrolein	2.233	56	28978	114.248	ug/l	96
14) Acrylonitrile	3.056	53	98759	118.168	ug/l	100
15) Acetone	2.380	58	28163	125.583	ug/l	97
16) Carbon Disulfide	2.501	76	84493	19.353	ug/l	100
17) Allyl chloride	2.654	41	60600	21.390	ug/l	99
18) Methylene Chloride	2.782	84	37448	21.300	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	33525	21.461	ug/l	98
20) Diisopropyl ether	3.757	45	118201	22.986	ug/l	97
21) 1,1-Dichloroethane	3.599	63	65967	21.625	ug/l	97
22) cis-1,2-Dichloroethene	4.477	96	40529	20.962	ug/l	99
23) tert-Butyl Alcohol	2.977	59	39884	98.667	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	108960	20.017	ug/l	99
25) Chloroform	5.086	83	63510	20.953	ug/l	95
26) Cyclohexane	5.458	56	58370	22.767	ug/l #	96
29) 1,1-Dichloropropene	5.684	75	43920	20.826	ug/l	99
30) 2-Butanone	4.550	43	139293	120.239	ug/l	98
31) 2,2-Dichloropropane	4.465	77	54018	18.510	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	53562	19.165	ug/l	96
33) Carbon Tetrachloride	5.666	117	44831	19.016	ug/l	98
34) Benzene	6.031	78	141391	21.014	ug/l	98
35) Methacrylonitrile	4.910	41	28566	22.063	ug/l	94
36) 1,2-Dichloroethane	6.074	62	46552	19.351	ug/l	98
37) Trichloroethene	7.117	130	32029	19.717	ug/l	86
38) Methylcyclohexane	7.373	83	61035	21.301	ug/l	99
39) 1,2-Dichloropropane	7.421	63	34609	20.627	ug/l	94
40) Dibromomethane	7.574	93	24453	19.604	ug/l	98
41) Bromodichloromethane	7.818	83	48201	18.715	ug/l	100
42) Vinyl Acetate	3.715	43	465984	101.286	ug/l	97

02/10/2025
 Supervised By :Mahesh
 Radoda

02/10/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044857.D
 Acq On : 07 Feb 2025 10:33
 Operator : JC/MD
 Sample : VX0207WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Feb 07 22:11:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	4.702	43	46596	20.504	ug/l	#	94
44) Isopropyl Acetate	6.330	43	82345	20.170	ug/l		99
45) 1,4-Dioxane	7.659	88	18797	483.522	ug/l		95
46) Methyl methacrylate	7.690	41	40679	20.356	ug/l		96
47) n-amyl Acetate	10.841	43	70357	20.535	ug/l		98
48) t-1,3-Dichloropropene	8.976	75	48303	17.768	ug/l		96
49) cis-1,3-Dichloropropene	8.360	75	55284	18.965	ug/l		97
50) 1,1,2-Trichloroethane	9.147	97	33205	20.669	ug/l		99
51) Ethyl methacrylate	9.110	69	55040	19.722	ug/l		97
52) 1,3-Dichloropropane	9.305	76	59019	21.241	ug/l		100
53) Dibromochloromethane	9.518	129	35882	18.692	ug/l		96
54) 1,2-Dibromoethane	9.604	107	34128	20.096	ug/l		99
55) 2-Chloroethyl vinyl ether	8.238	63	119921	88.561	ug/l		98
56) Bromoform	10.799	173	22766	17.885	ug/l		99
58) 4-Methyl-2-Pentanone	8.567	43	275743	119.736	ug/l		97
59) 2-Hexanone	9.427	43	200781	119.089	ug/l		98
61) Tetrachloroethene	9.269	164	27372	20.886	ug/l		97
62) Toluene	8.714	91	148799	20.684	ug/l		97
64) Chlorobenzene	10.079	112	93373	20.899	ug/l		99
65) 1,1,1,2-Tetrachloroethane	10.159	131	30035	18.714	ug/l		98
66) Ethyl Benzene	10.189	91	163074	20.771	ug/l		97
67) m/p-Xylenes	10.299	106	124105	43.004	ug/l		97
68) o-Xylene	10.640	106	62397	21.543	ug/l		96
69) Styrene	10.652	104	102036	21.456	ug/l		98
70) Isopropylbenzene	10.957	105	157556	21.638	ug/l		100
71) 1,1,2,2-Tetrachloroethane	11.207	83	54041	22.077	ug/l		97
72) 1,2,3-Trichloropropane	11.238	75	44167m	21.447	ug/l		
73) Bromobenzene	11.195	156	36206	21.344	ug/l		96
74) n-propylbenzene	11.299	91	186093	22.501	ug/l		99
75) 2-Chlorotoluene	11.360	91	112763	21.687	ug/l		99
76) 1,3,5-Trimethylbenzene	11.451	105	130479	22.066	ug/l		100
77) t-1,4-Dichloro-2-butene	11.018	75	16282	16.712	ug/l		97
78) 4-Chlorotoluene	11.451	91	124166	21.672	ug/l		98
79) tert-butylbenzene	11.713	119	131098	21.581	ug/l		99
80) 1,2,4-Trimethylbenzene	11.750	105	130174	21.819	ug/l		97
81) sec-Butylbenzene	11.890	105	166220	22.915	ug/l		98
82) p-Isopropyltoluene	12.006	119	134700	22.563	ug/l		98
83) 1,3-Dichlorobenzene	11.969	146	66475	22.063	ug/l		98
84) 1,4-Dichlorobenzene	12.036	146	65439	22.155	ug/l		98
85) n-Butylbenzene	12.329	91	120902	23.362	ug/l		98
86) Hexachloroethane	12.536	117	24368	18.555	ug/l		98
87) 1,2-Dichlorobenzene	12.335	146	65920	21.910	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	10040	17.029	ug/l		95
89) 1,2,4-Trichlorobenzene	13.585	180	39458	21.104	ug/l		99
90) Hexachlorobutadiene	13.725	225	15995	22.117	ug/l		97
91) Naphthalene	13.774	128	143375	20.497	ug/l		100
92) 1,2,3-Trichlorobenzene	13.957	180	39356	20.695	ug/l		99

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

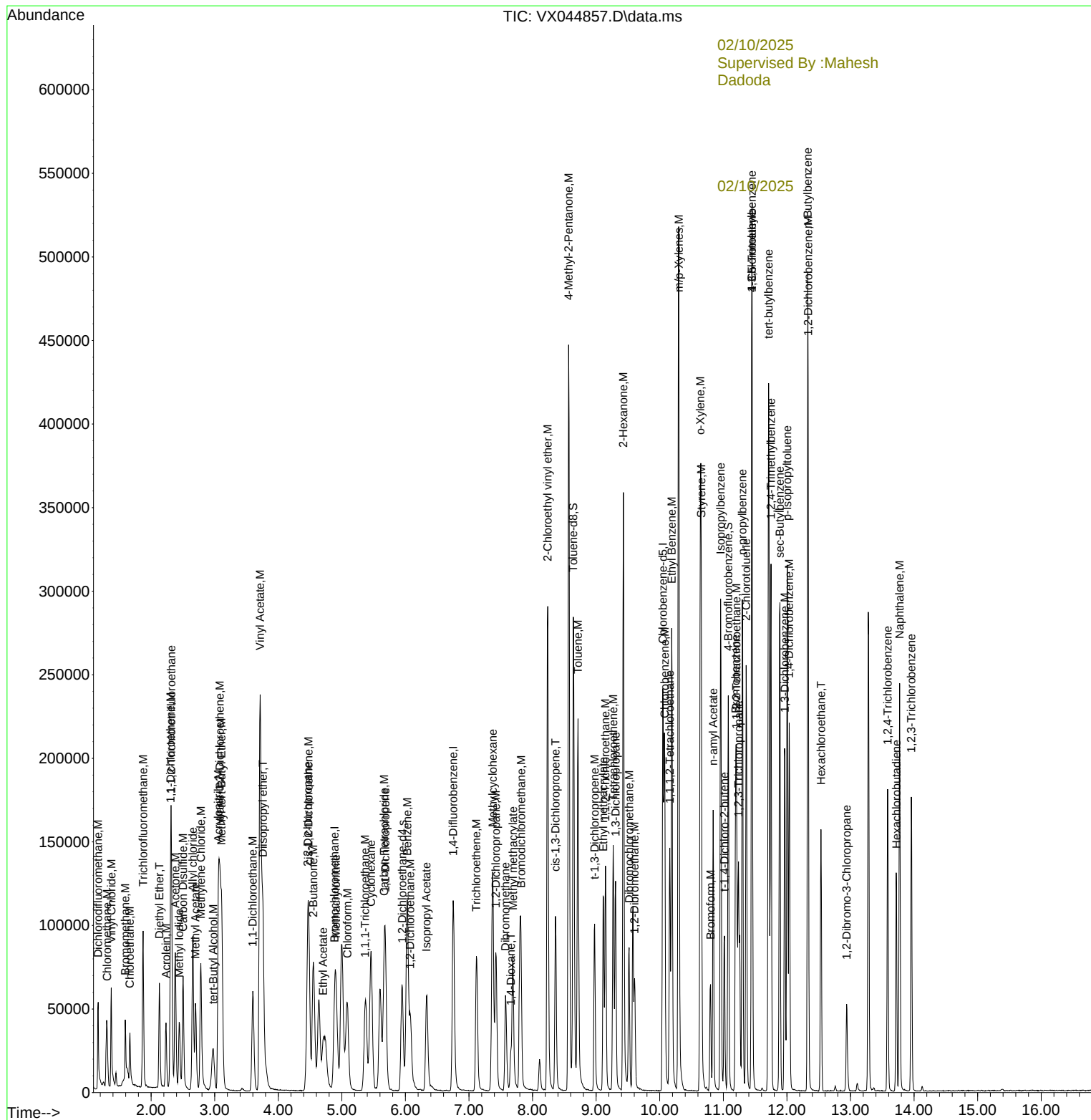
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
Data File : VX044857.D
Acq On : 07 Feb 2025 10:33
Operator : JC/MD
Sample : VX0207WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

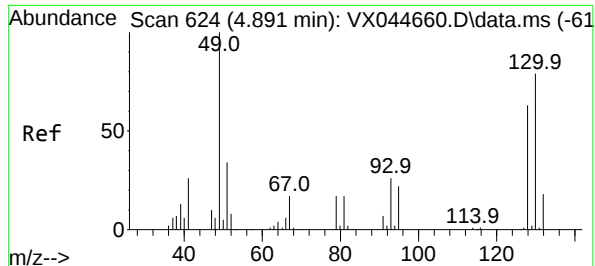
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01

Manual Integrations APPROVED

Reviewed By :John
Carlone

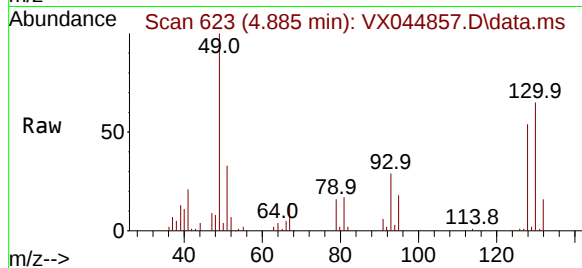
Quant Time: Feb 07 22:11:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.885 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

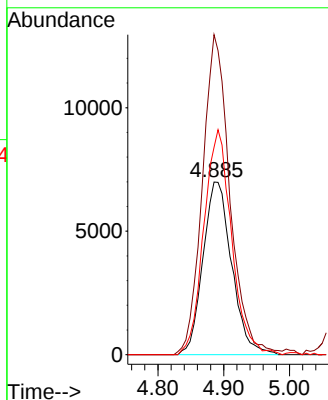
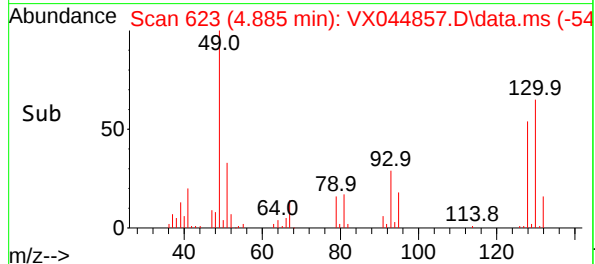
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion:128 Resp: 21269
Ion Ratio Lower Upper
128 100
49 174.9 0.0 411.5
130 125.1 0.0 324.3

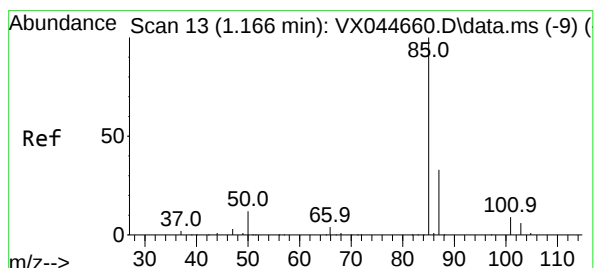
Manual Integrations
APPROVED

Reviewed By :John
Carlone



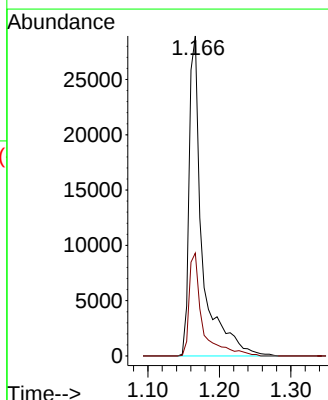
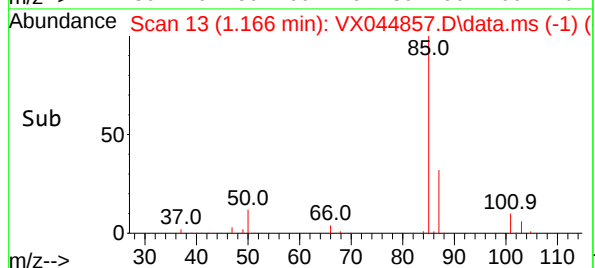
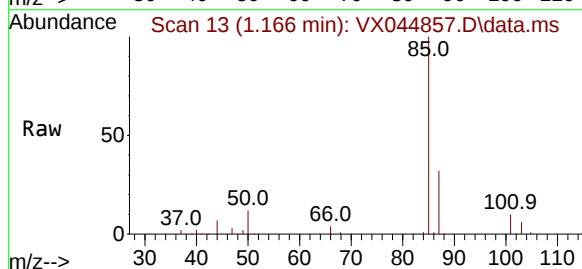
02/10/2025
Supervised By :Mahesh
Dadoda

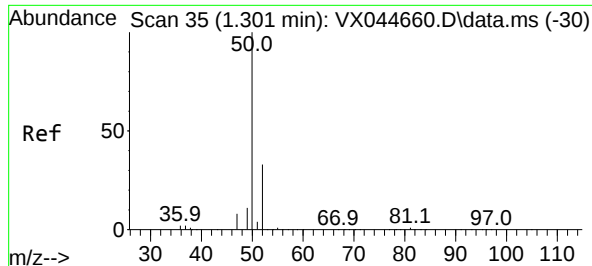
02/10/2025



#2
Dichlorodifluoromethane
Concen: 19.663 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

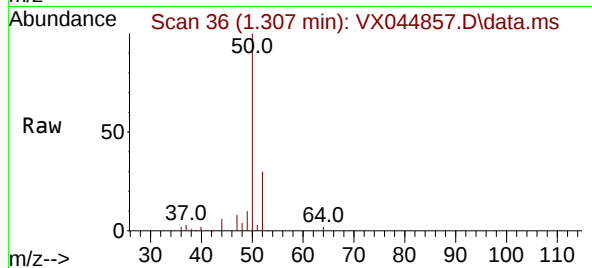
Tgt Ion: 85 Resp: 37184
Ion Ratio Lower Upper
85 100
87 32.1 16.6 49.8





#3
Chloromethane
Concen: 21.974 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

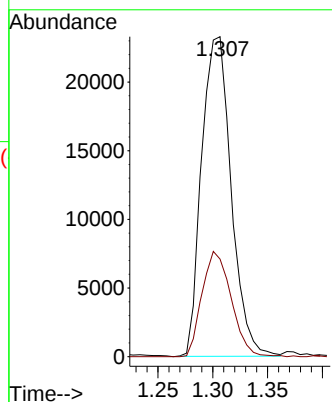
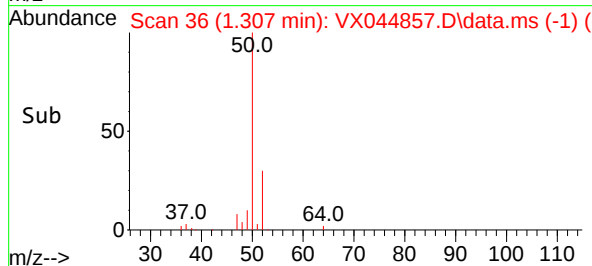
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion: 50 Resp: 4371
Ion Ratio Lower Upper
50 100
52 30.6 26.5 39.7

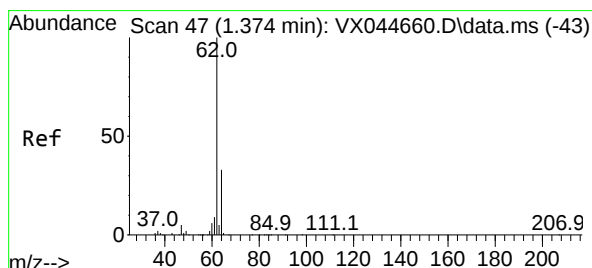
Manual Integrations
APPROVED

Reviewed By :John
Carlone



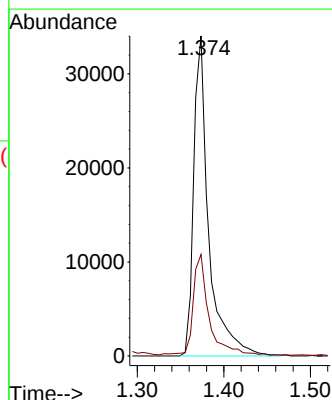
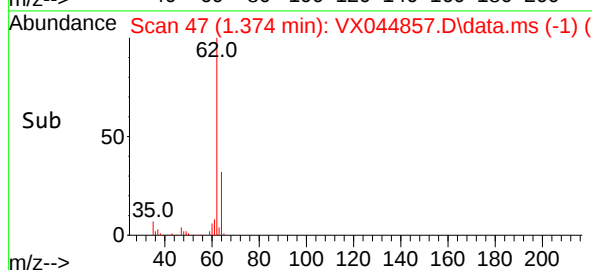
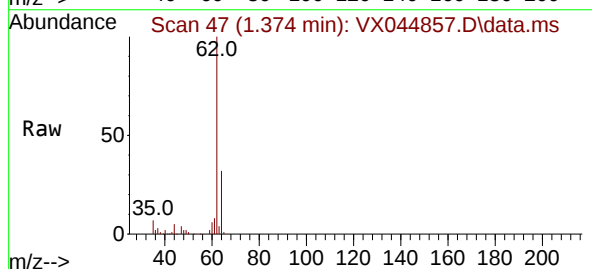
02/10/2025
Supervised By :Mahesh
Dadoda

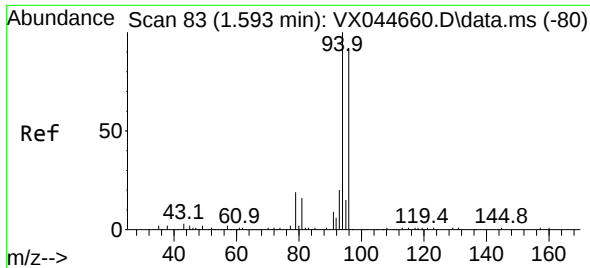
02/10/2025



#4
Vinyl Chloride
Concen: 20.973 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

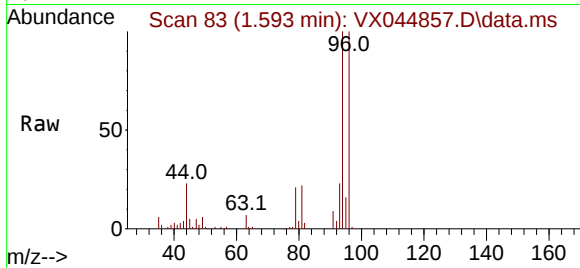
Tgt Ion: 62 Resp: 40820
Ion Ratio Lower Upper
62 100
64 31.4 27.3 40.9





#5
Bromomethane
Concen: 25.461 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

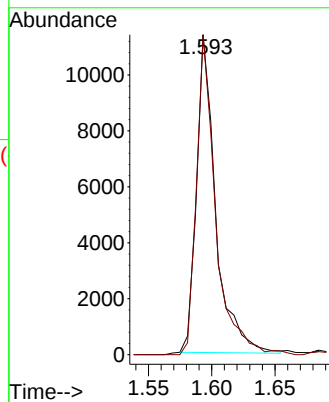
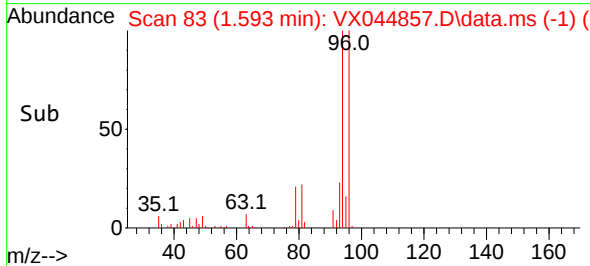
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion: 94 Resp: 1197
Ion Ratio Lower Upper
94 100
96 100.8 73.3 109.9

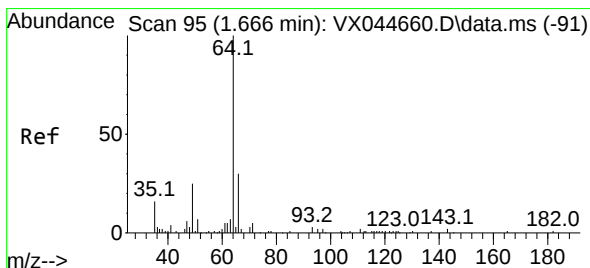
Manual Integrations
APPROVED

Reviewed By :John
Carlone



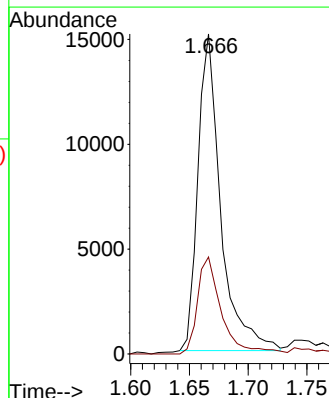
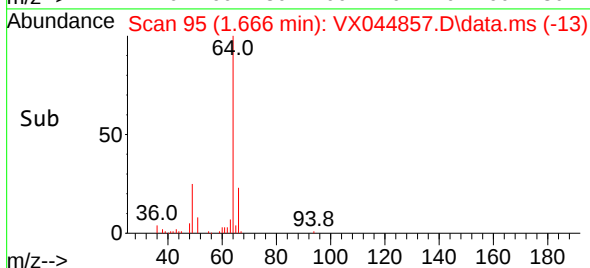
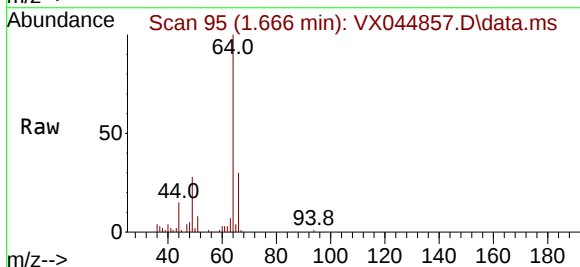
02/10/2025
Supervised By :Mahesh
Dadoda

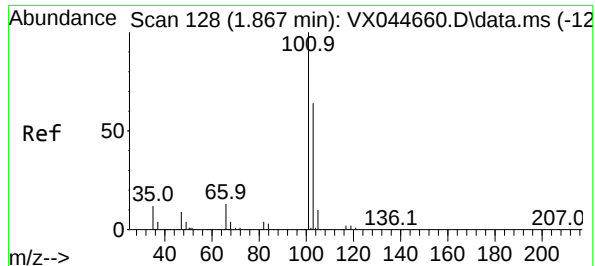
02/10/2025



#6
Chloroethane
Concen: 66.137 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

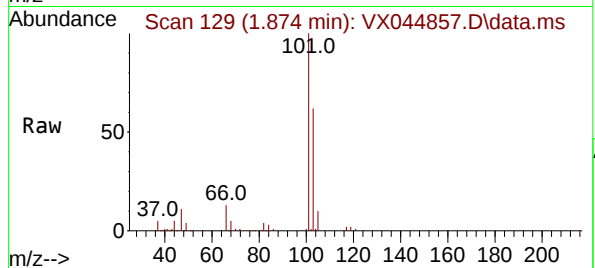
Tgt Ion: 64 Resp: 20410
Ion Ratio Lower Upper
64 100
66 30.6 23.8 35.6





#7
Trichlorofluoromethane
Concen: 26.095 ug/l
RT: 1.874 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

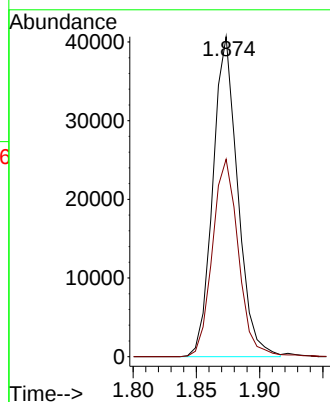
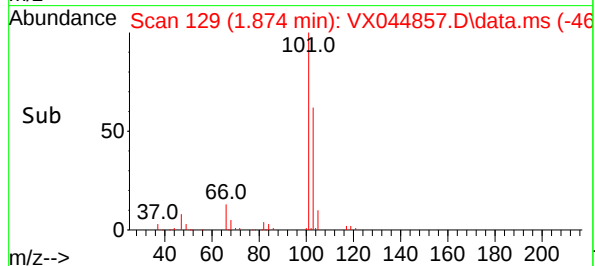
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion:101 Resp: 5562
Ion Ratio Lower Upper
101 100
103 61.7 51.1 76.7

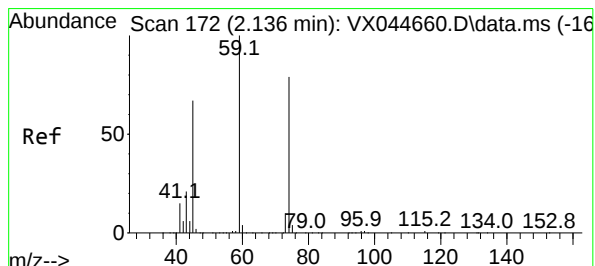
Manual Integrations
APPROVED

Reviewed By :John
Carlone



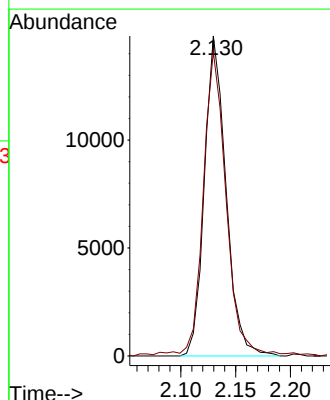
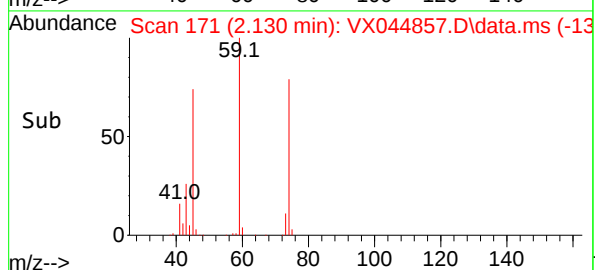
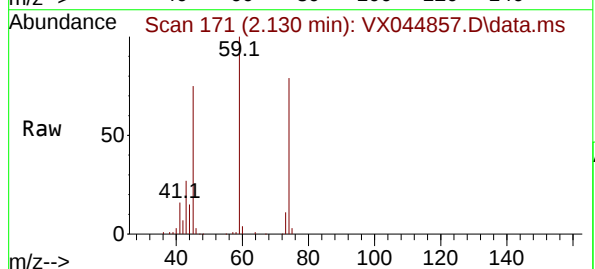
02/10/2025
Supervised By :Mahesh
Dadoda

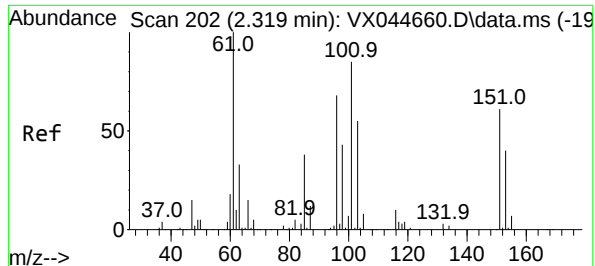
02/10/2025



#8
Diethyl Ether
Concen: 24.706 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Tgt Ion: 74 Resp: 20315
Ion Ratio Lower Upper
74 100
45 99.6 18.8 168.8





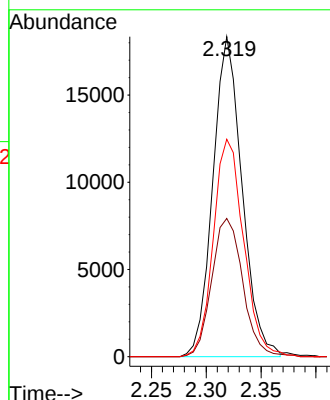
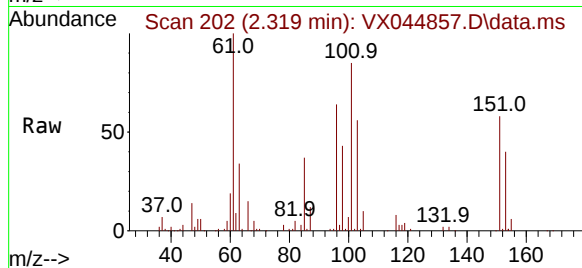
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.291 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01

Tgt Ion:101 Resp: 34039
Ion Ratio Lower Upper
101 100
85 45.8 0.0 88.0
151 70.3 0.0 147.0

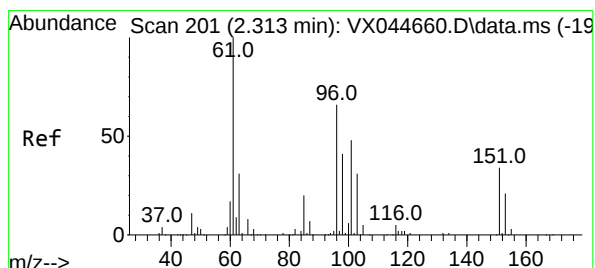
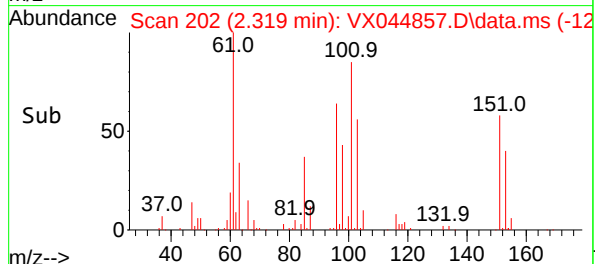
Manual Integrations
APPROVED

Reviewed By :John
Carlone



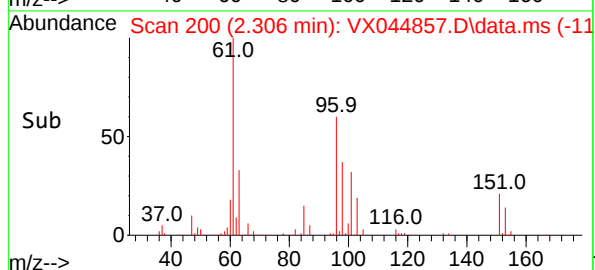
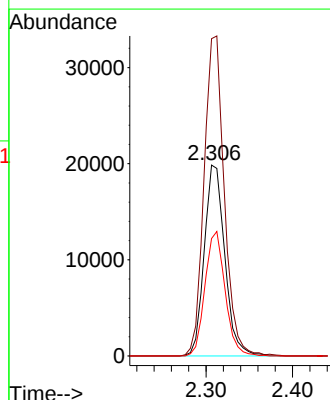
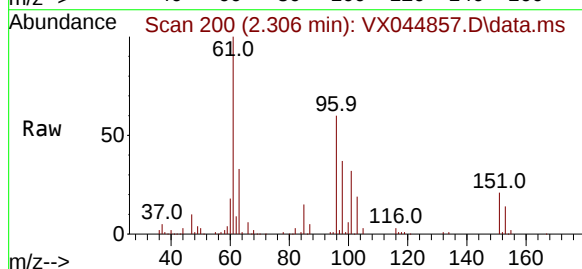
02/10/2025
Supervised By :Mahesh
Dadoda

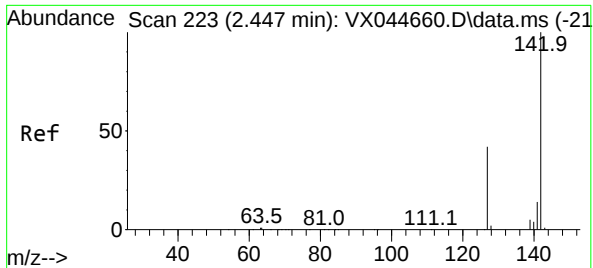
02/10/2025



#10
1,1-Dichloroethene
Concen: 20.840 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

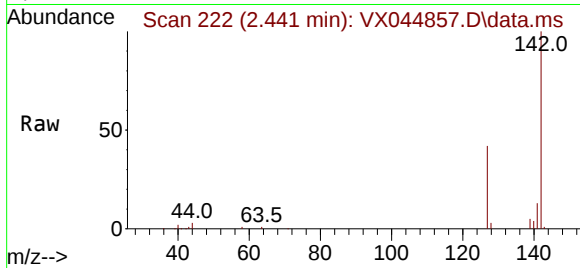
Tgt Ion: 96 Resp: 32740
Ion Ratio Lower Upper
96 100
61 166.2 121.6 182.4
98 61.5 50.3 75.5





#11
Methyl Iodide
Concen: 20.490 ug/l
RT: 2.441 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

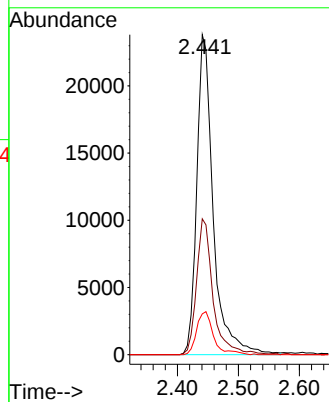
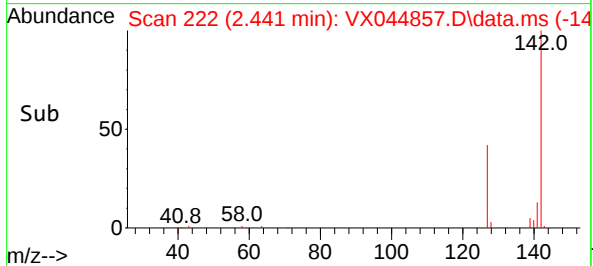
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion:142 Resp: 44608
Ion Ratio Lower Upper
142 100
127 42.6 20.8 62.4
141 12.8 7.0 20.9

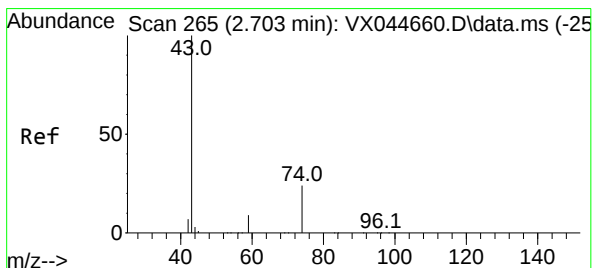
Manual Integrations
APPROVED

Reviewed By :John
Carlone



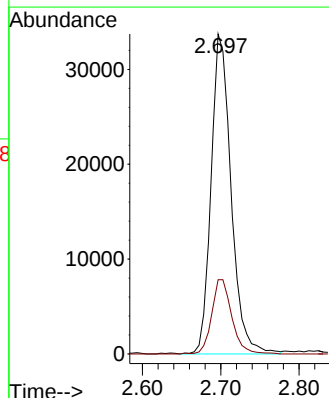
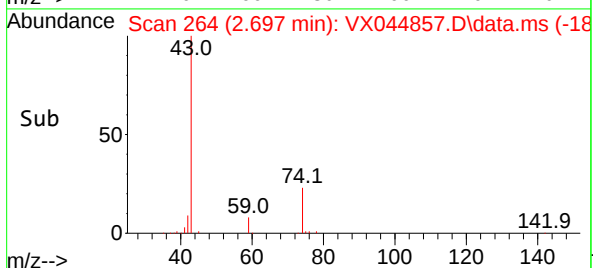
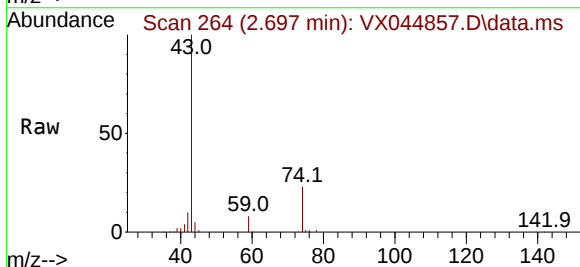
02/10/2025
Supervised By :Mahesh
Dadoda

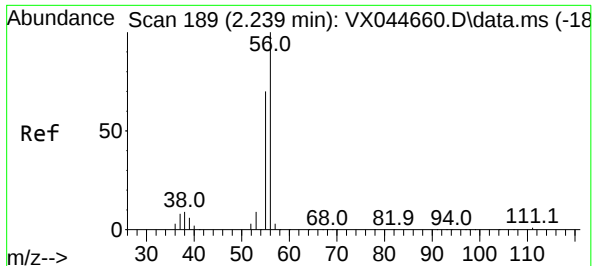
02/10/2025



#12
Methyl Acetate
Concen: 26.109 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Tgt Ion: 43 Resp: 59881
Ion Ratio Lower Upper
43 100
74 23.3 19.4 29.2





#13

Acrolein

Concen: 114.248 ug/l

RT: 2.233 min Scan# 189

Delta R.T. -0.006 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 56 Resp: 28978

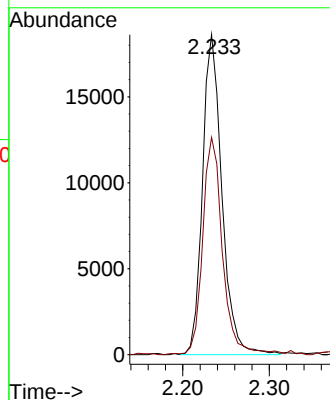
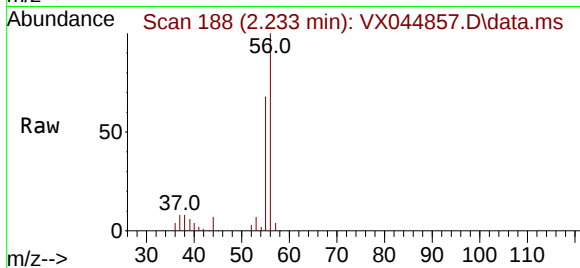
Ion Ratio Lower Upper

56 100

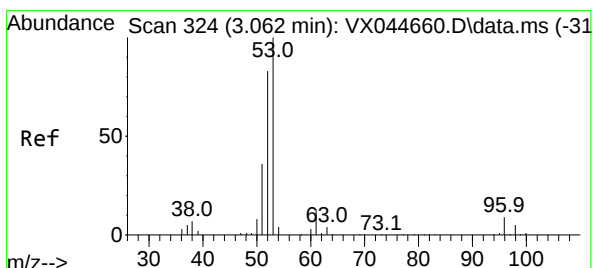
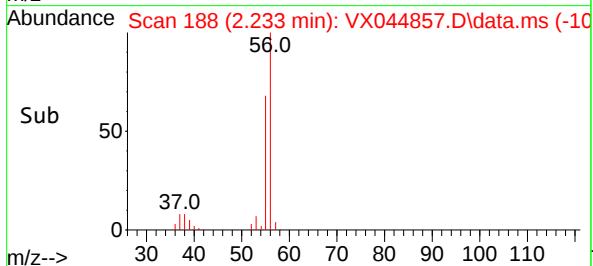
55 68.5 57.5 86.3

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#14

Acrylonitrile

Concen: 118.168 ug/l

RT: 3.056 min Scan# 323

Delta R.T. -0.006 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

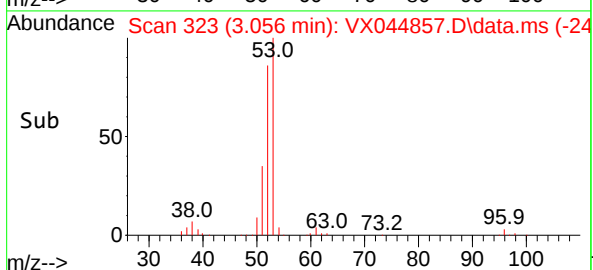
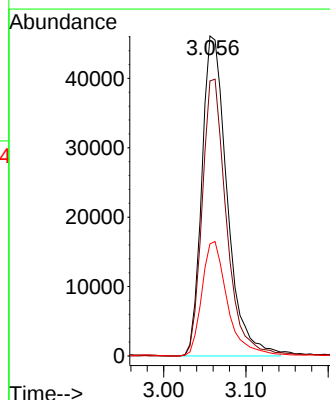
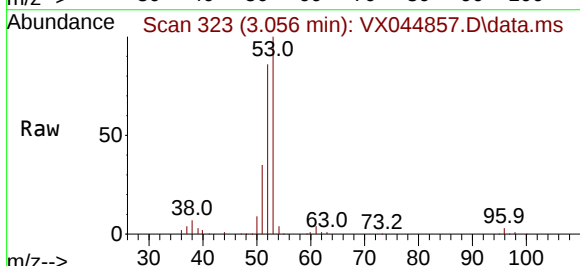
Tgt Ion: 53 Resp: 98759

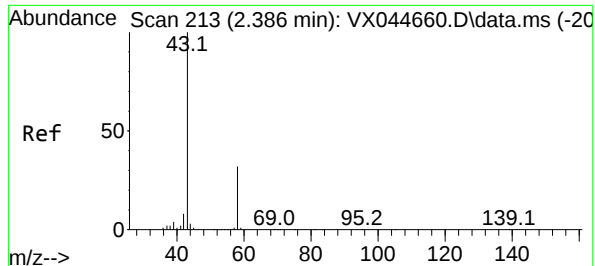
Ion Ratio Lower Upper

53 100

52 83.2 41.4 124.2

51 36.4 18.1 54.4





#15

Acetone

Concen: 125.583 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 58 Resp: 2816

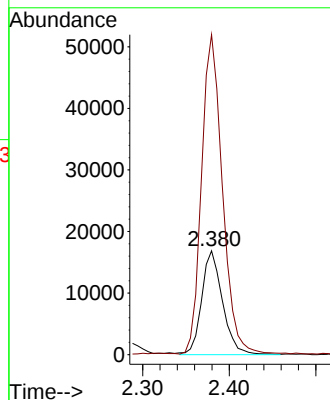
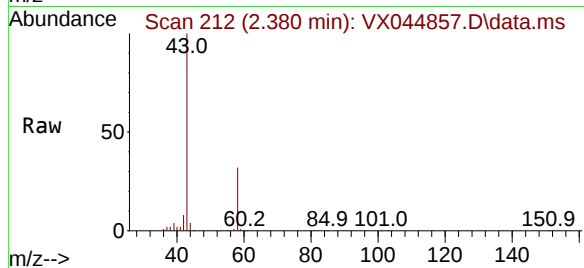
Ion Ratio Lower Upper

58 100

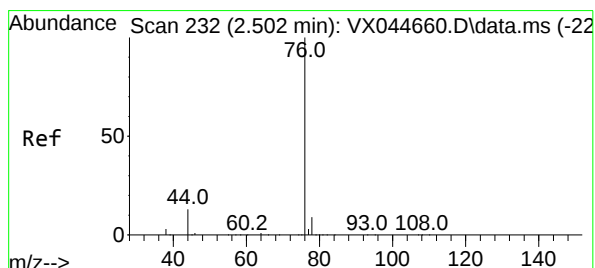
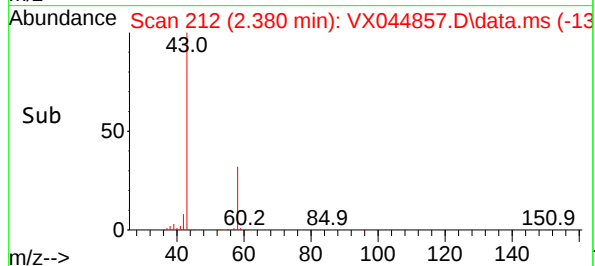
43 308.6 251.0 376.4

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#16

Carbon Disulfide

Concen: 19.353 ug/l

RT: 2.501 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX044857.D

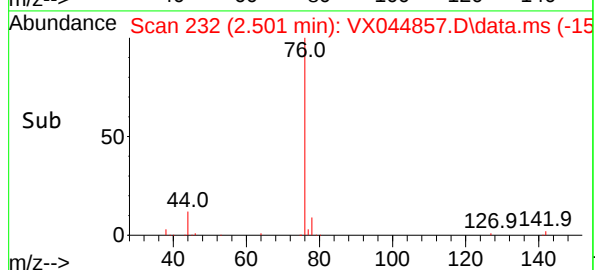
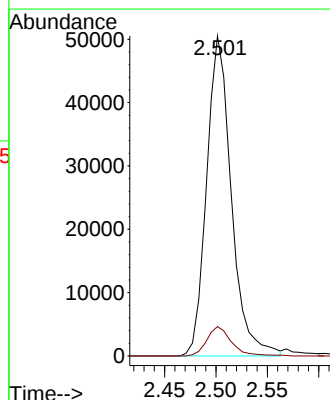
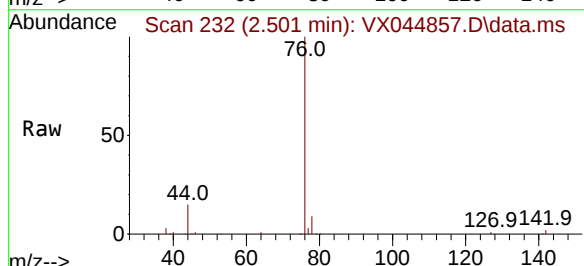
Acq: 07 Feb 2025 10:33

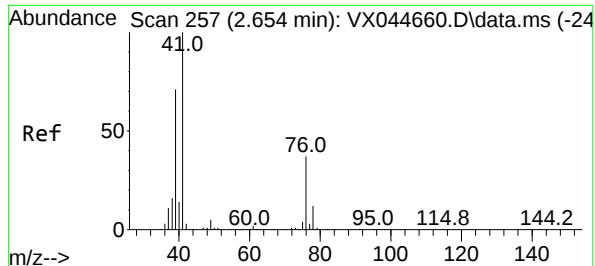
Tgt Ion: 76 Resp: 84493

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#17

Allyl chloride

Concen: 21.390 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 41 Resp: 60600

Ion Ratio Lower Upper

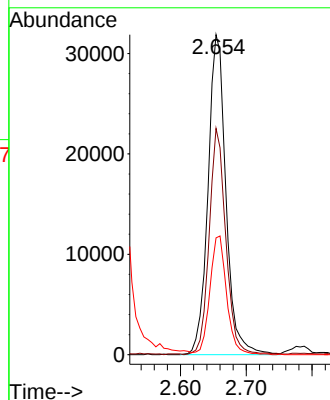
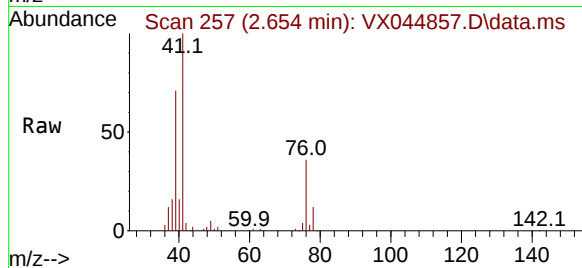
41 100

39 70.5 35.6 106.8

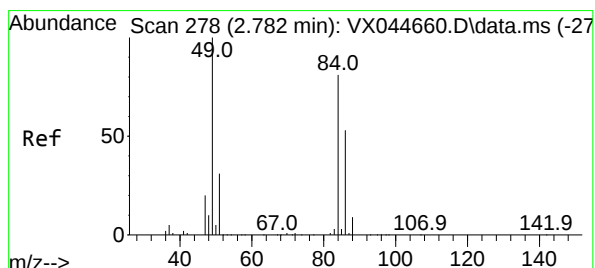
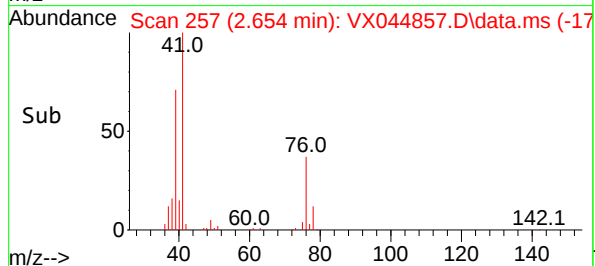
76 36.3 18.9 56.5

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#18

Methylene Chloride

Concen: 21.300 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Tgt Ion: 84 Resp: 37448

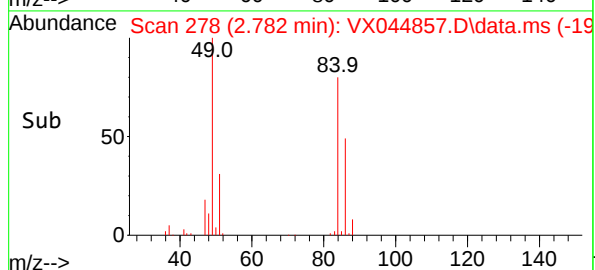
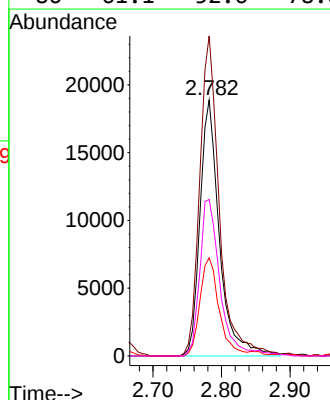
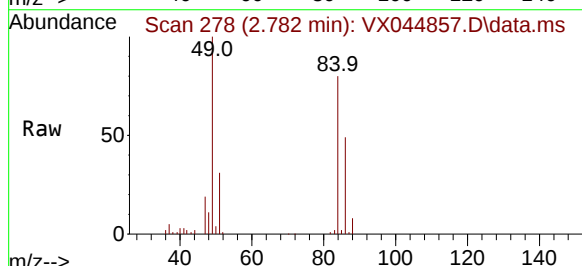
Ion Ratio Lower Upper

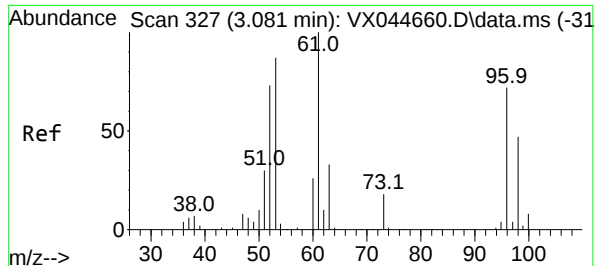
84 100

49 125.0 98.3 147.5

51 38.3 30.6 46.0

86 61.1 52.6 78.8





#19

trans-1,2-Dichloroethene

Concen: 21.461 ug/l

RT: 3.081 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 96 Resp: 3352

Ion Ratio Lower Upper

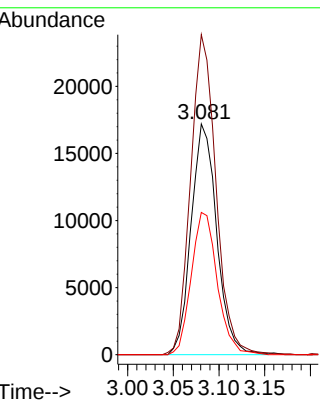
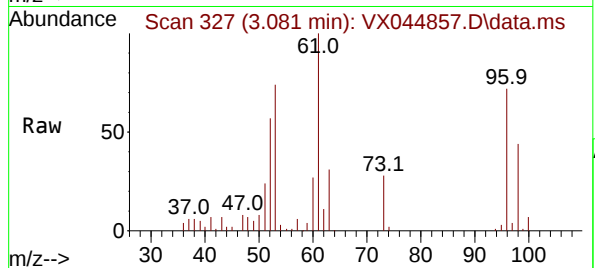
96 100

61 138.0 111.5 167.3

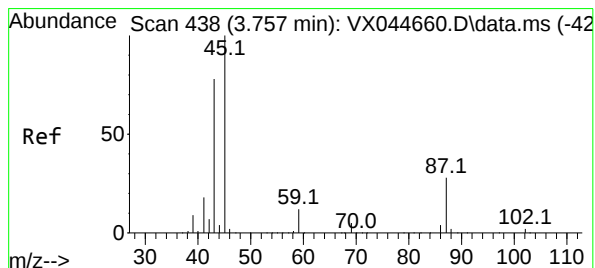
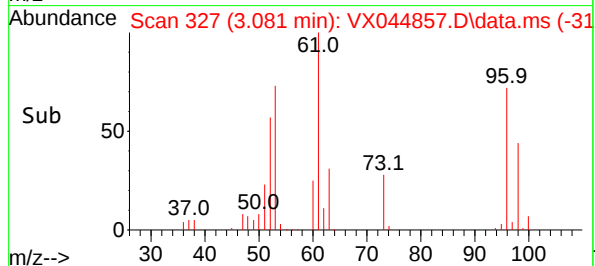
98 61.7 52.6 79.0

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#20

Diisopropyl ether

Concen: 22.986 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Tgt Ion: 45 Resp: 118201

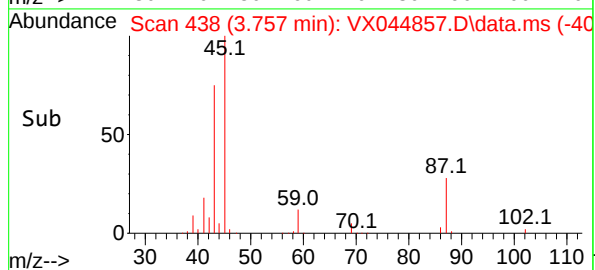
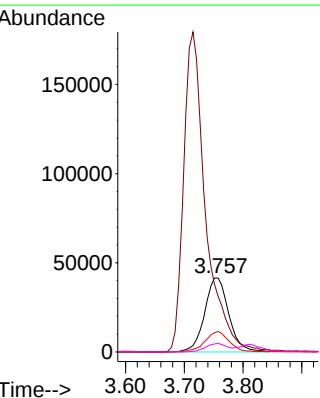
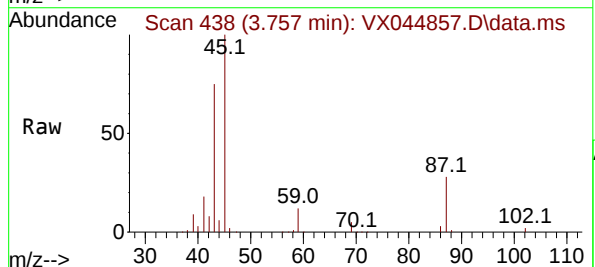
Ion Ratio Lower Upper

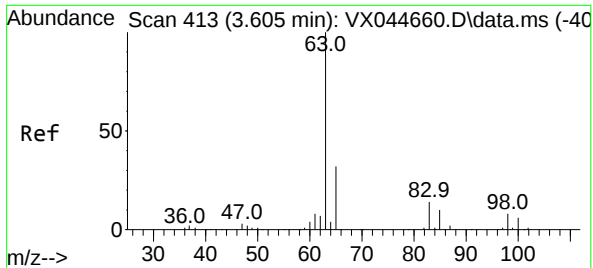
45 100

43 74.4 62.6 94.0

87 27.7 22.7 34.1

59 11.6 9.4 14.2





#21

1,1-Dichloroethane

Concen: 21.625 ug/l

RT: 3.599 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 63 Resp: 6596

Ion Ratio Lower Upper

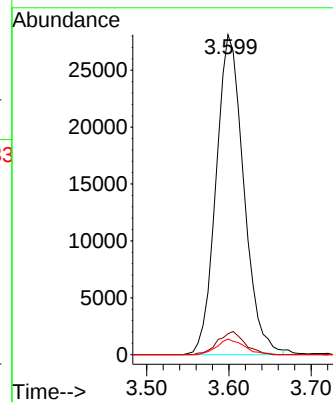
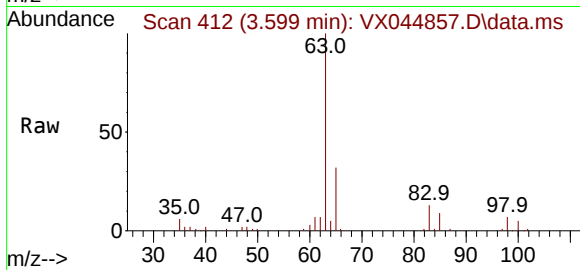
63 100

98 6.5 4.0 11.9

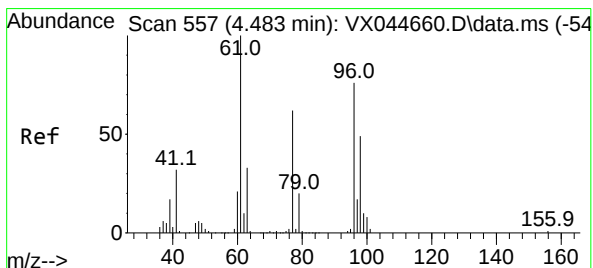
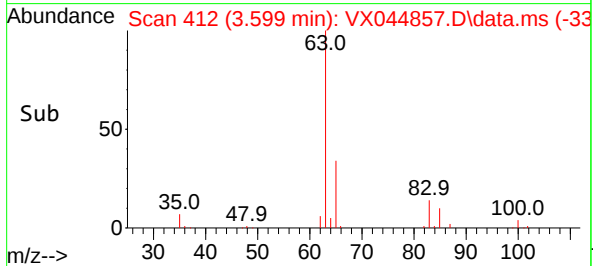
100 4.9 2.8 8.3

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#22

cis-1,2-Dichloroethene

Concen: 20.962 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

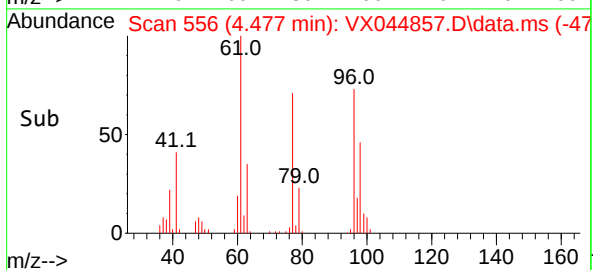
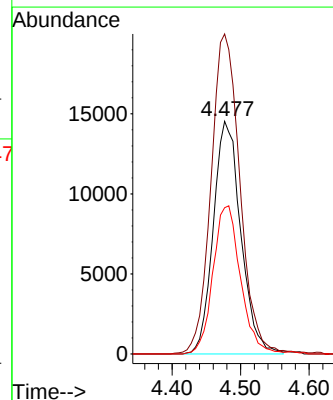
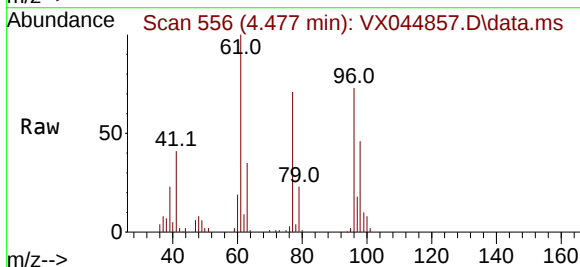
Tgt Ion: 96 Resp: 40529

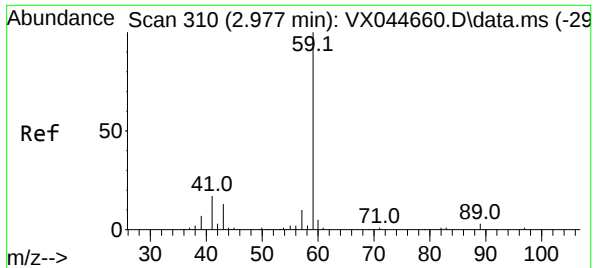
Ion Ratio Lower Upper

96 100

61 145.0 115.2 172.8

98 63.6 51.8 77.6





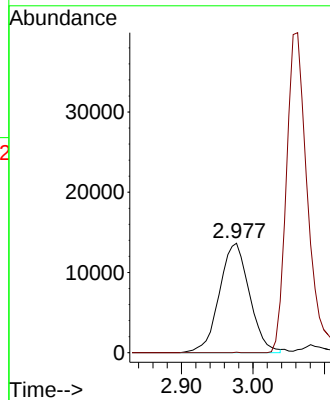
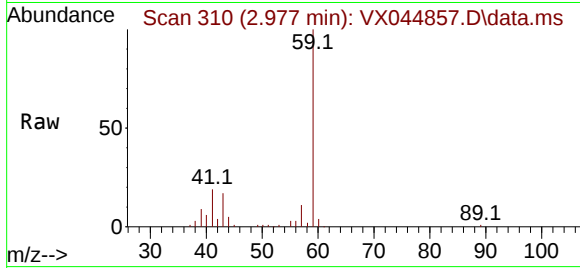
#23
tert-Butyl Alcohol
Concen: 98.667 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01

Tgt Ion: 59 Resp: 39884
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

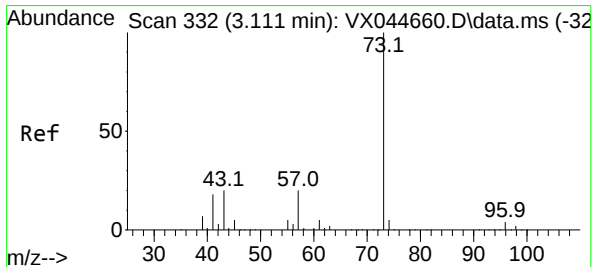
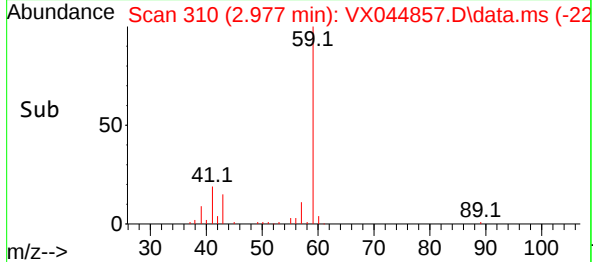
Manual Integrations
APPROVED

Reviewed By :John
Carlone



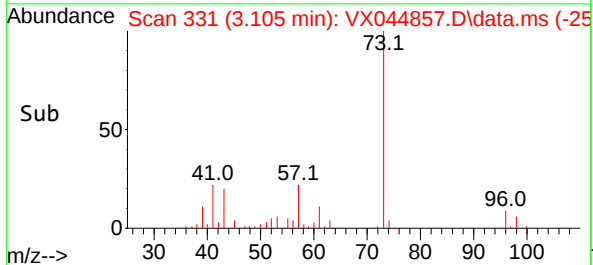
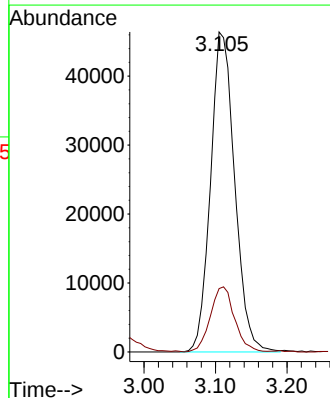
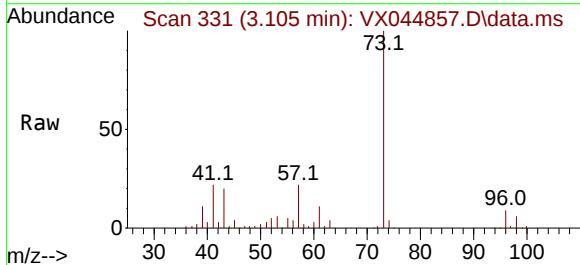
02/10/2025
Supervised By :Mahesh
Dadoda

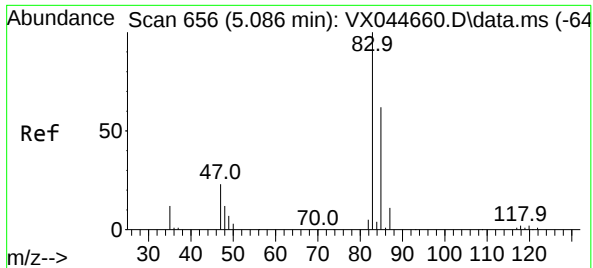
02/10/2025



#24
Methyl tert-Butyl Ether
Concen: 20.017 ug/l
RT: 3.105 min Scan# 331
Delta R.T. -0.006 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Tgt Ion: 73 Resp: 108960
Ion Ratio Lower Upper
73 100
43 20.5 16.9 25.3





#25

Chloroform

Concen: 20.953 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 83 Resp: 63510

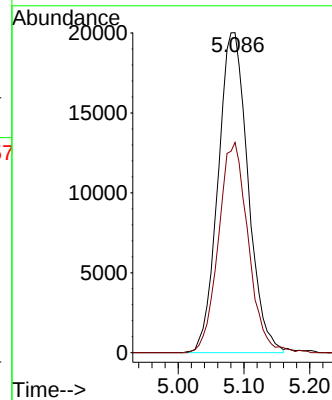
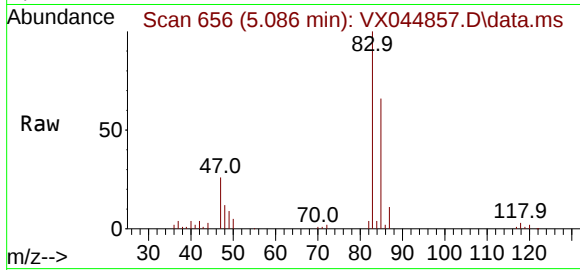
Ion Ratio Lower Upper

83 100

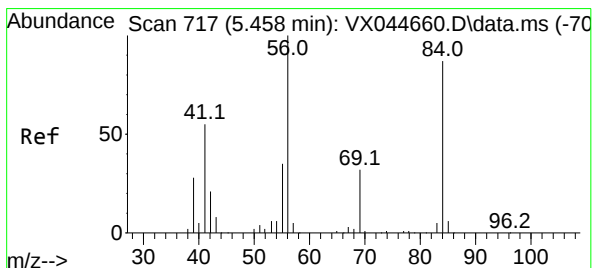
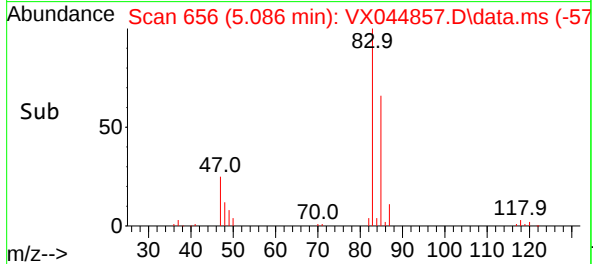
85 65.7 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#26

Cyclohexane

Concen: 22.767 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

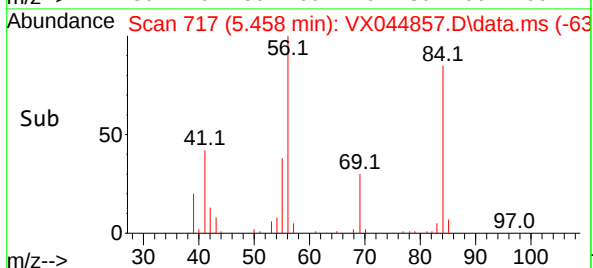
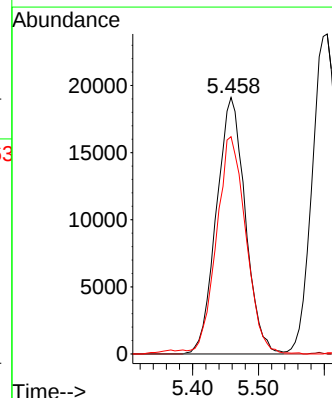
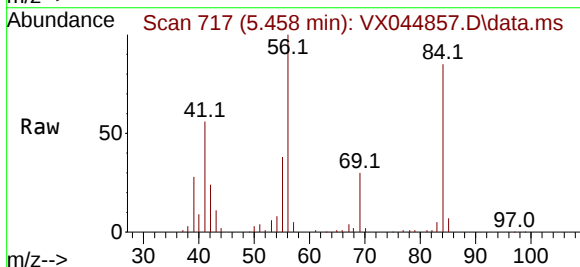
Tgt Ion: 56 Resp: 58370

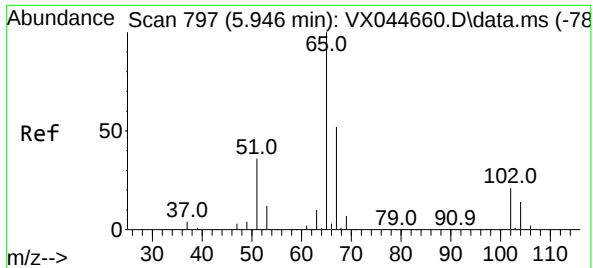
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 86.2 72.2 108.4





#27

1,2-Dichloroethane-d4

Concen: 28.762 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 65 Resp: 5905

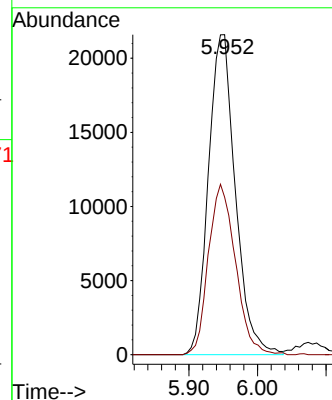
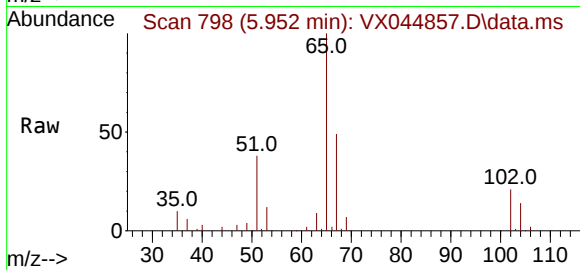
Ion Ratio Lower Upper

65 100

67 53.2 41.4 62.2

Manual Integrations

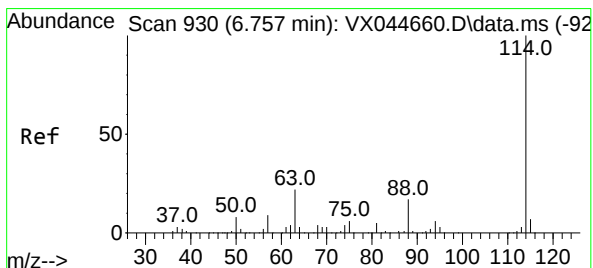
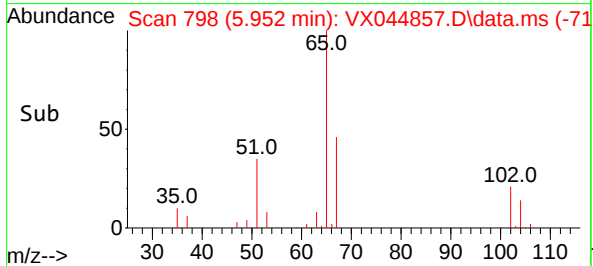
APPROVED

Reviewed By :John
Carlone

02/10/2025

Supervised By :Mahesh
Dadoda

02/10/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

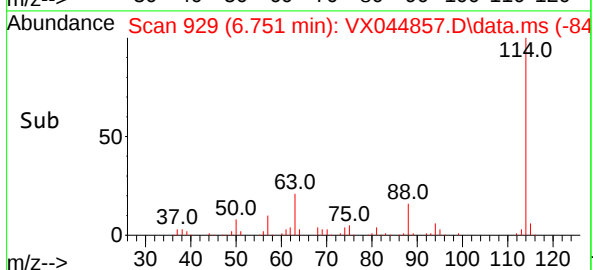
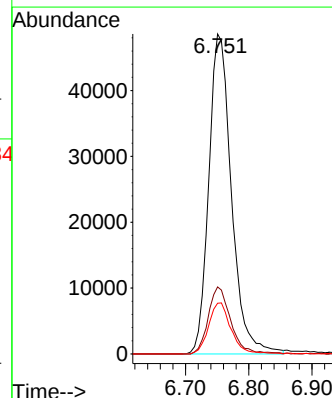
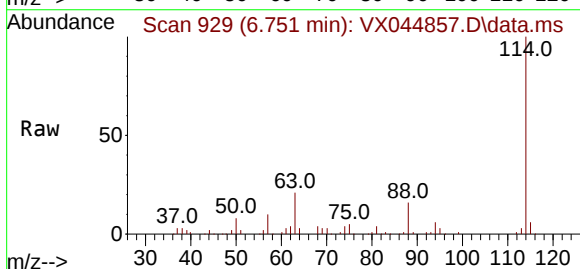
Tgt Ion:114 Resp: 121245

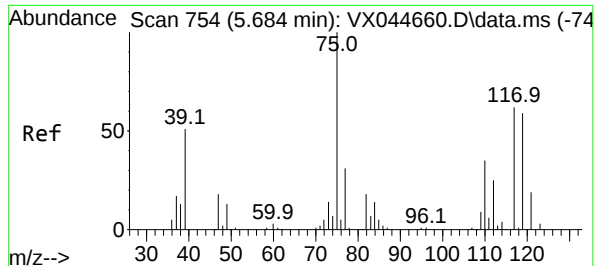
Ion Ratio Lower Upper

114 100

63 20.2 16.6 24.8

88 15.7 13.4 20.2





#29

1,1-Dichloropropene

Concen: 20.826 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 75 Resp: 43920

Ion Ratio Lower Upper

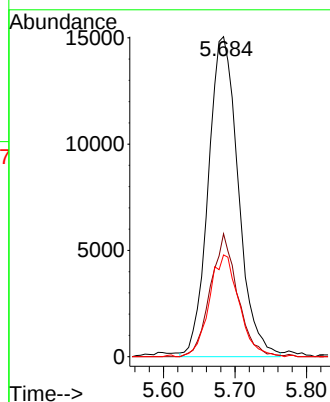
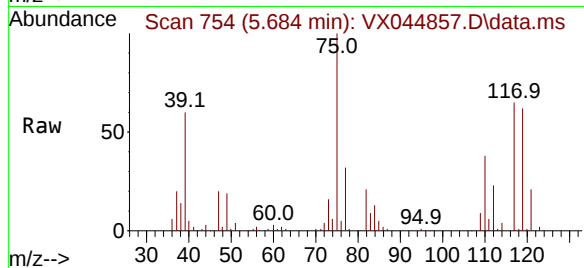
75 100

110 34.7 0.0 69.4

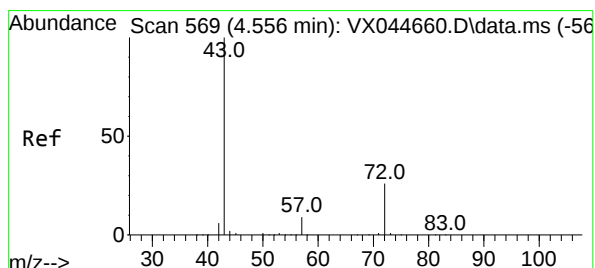
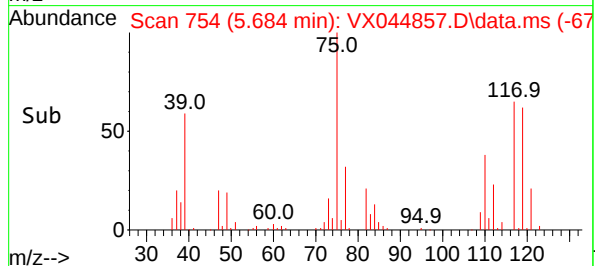
77 31.5 0.0 59.8

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#30

2-Butanone

Concen: 120.239 ug/l

RT: 4.550 min Scan# 568

Delta R.T. -0.006 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

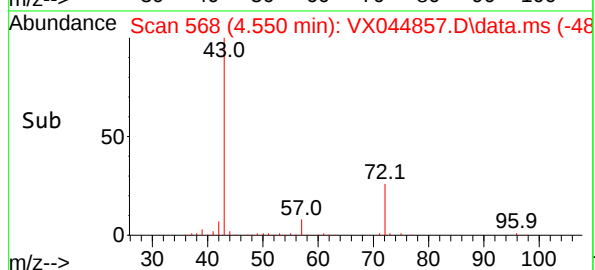
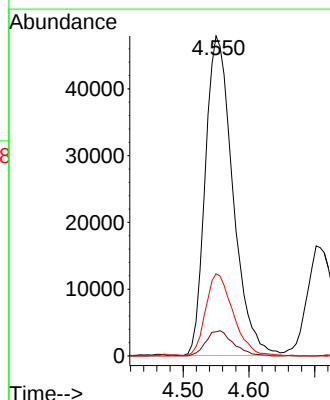
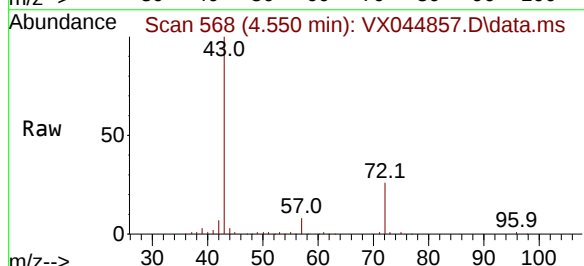
Tgt Ion: 43 Resp: 139293

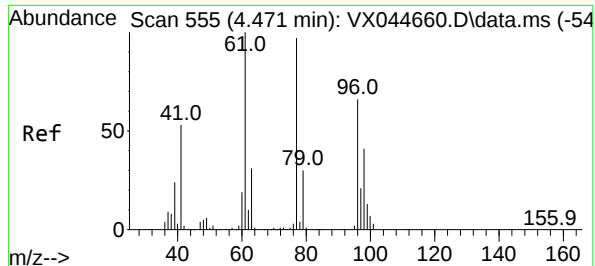
Ion Ratio Lower Upper

43 100

57 7.9 6.4 9.6

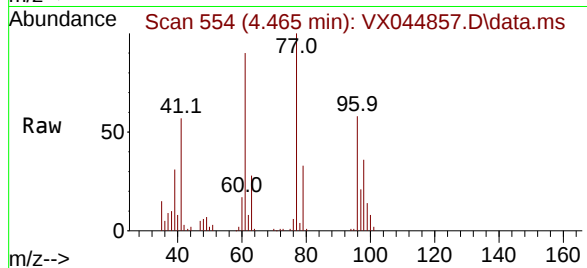
72 25.5 21.5 32.3





#31
2,2-Dichloropropane
Concen: 18.510 ug/l
RT: 4.465 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

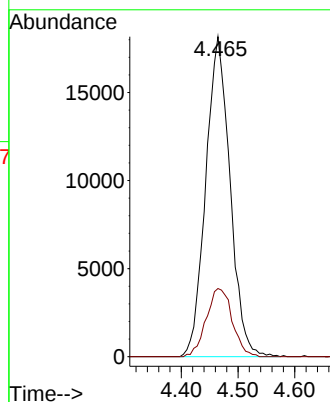
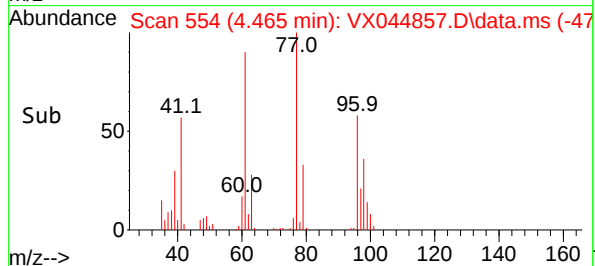
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion: 77 Resp: 54018
Ion Ratio Lower Upper
77 100
97 22.8 18.6 27.8

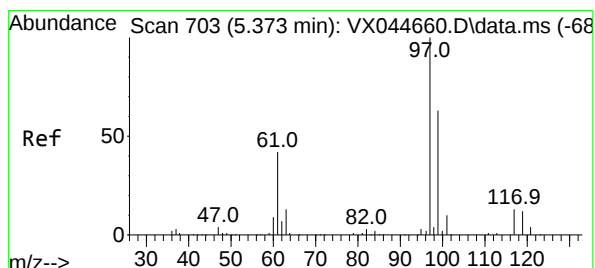
Manual Integrations
APPROVED

Reviewed By :John
Carlone



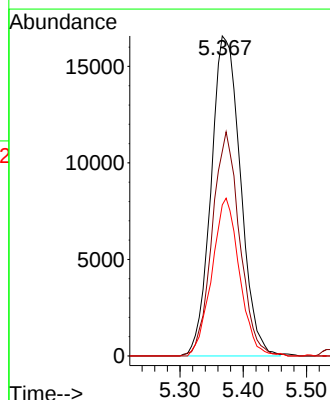
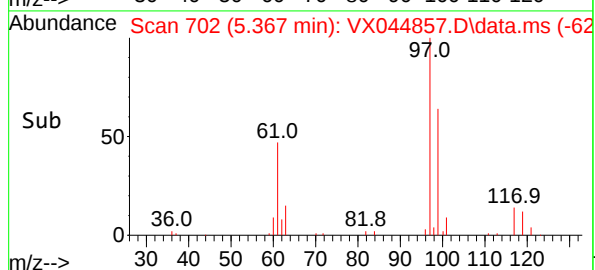
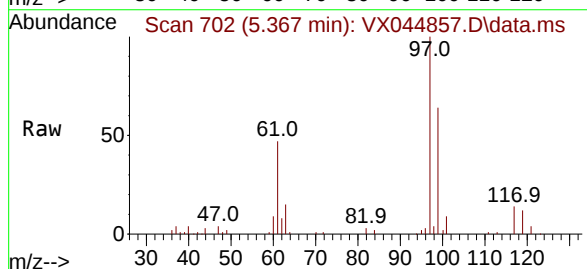
02/10/2025
Supervised By :Mahesh
Dadoda

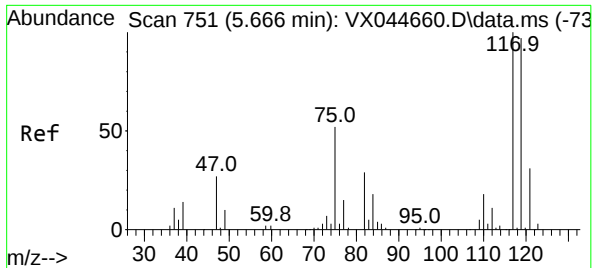
02/10/2025



#32
1,1,1-Trichloroethane
Concen: 19.165 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

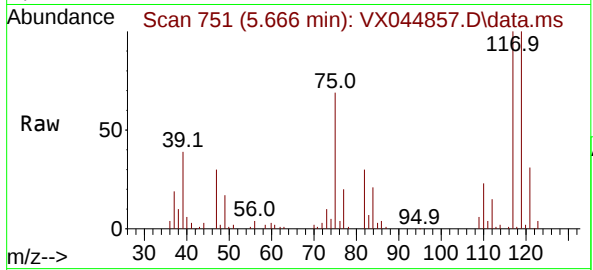
Tgt Ion: 97 Resp: 53562
Ion Ratio Lower Upper
97 100
99 65.4 50.5 75.7
61 46.1 34.6 51.8





#33
Carbon Tetrachloride
Concen: 19.016 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

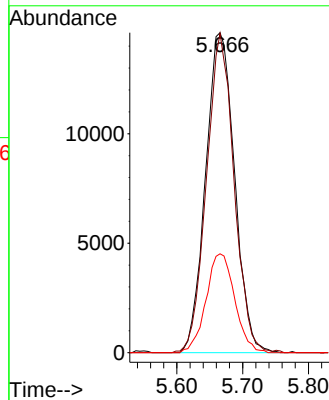
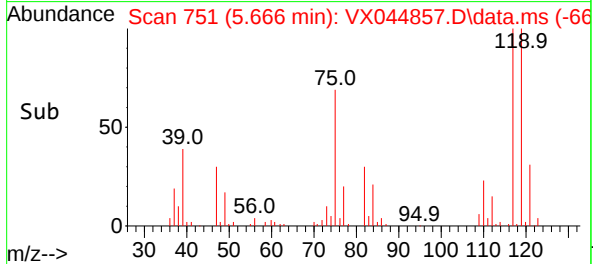
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion:117 Resp: 4483
Ion Ratio Lower Upper
117 100
119 99.2 77.3 115.9
121 30.9 24.6 37.0

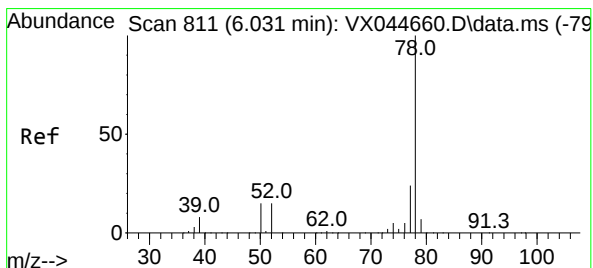
Manual Integrations
APPROVED

Reviewed By :John
Carlone



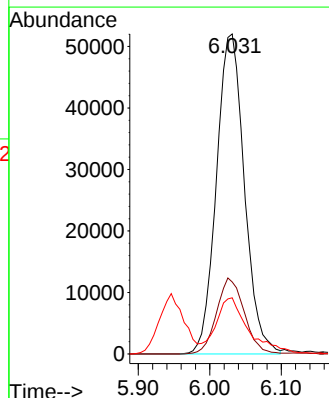
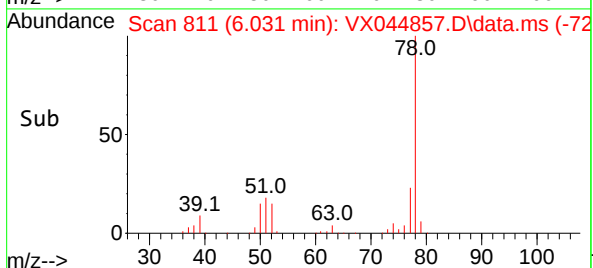
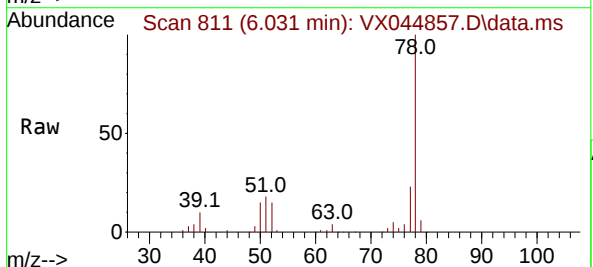
02/10/2025
Supervised By :Mahesh
Dadoda

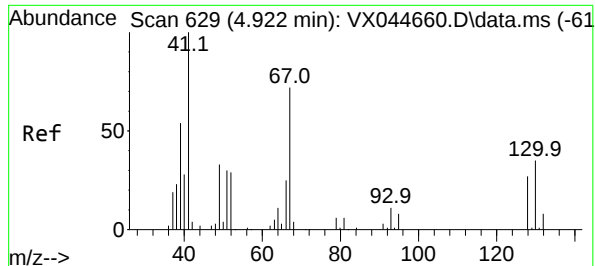
02/10/2025



#34
Benzene
Concen: 21.014 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Tgt Ion: 78 Resp: 141391
Ion Ratio Lower Upper
78 100
77 22.5 19.3 28.9
51 15.8 12.7 19.1





#35

Methacrylonitrile

Concen: 22.063 ug/l

RT: 4.910 min Scan# 61

Delta R.T. -0.012 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 41 Resp: 2856

Ion Ratio Lower Upper

41 100

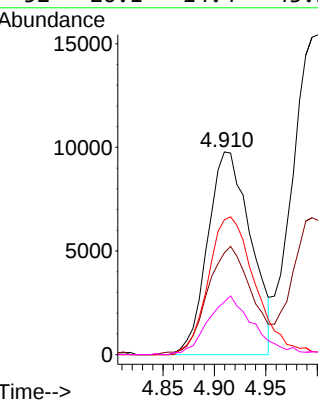
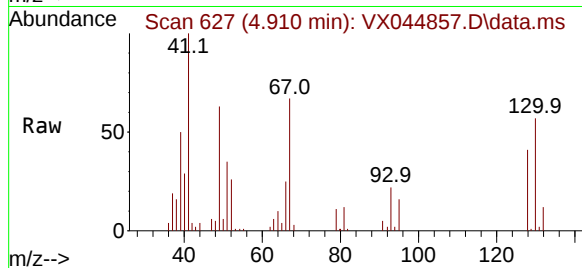
39 48.9 27.1 81.3

67 66.5 35.8 107.4

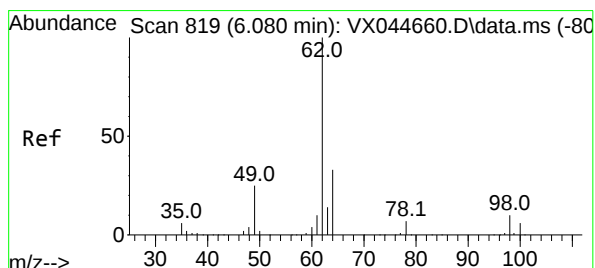
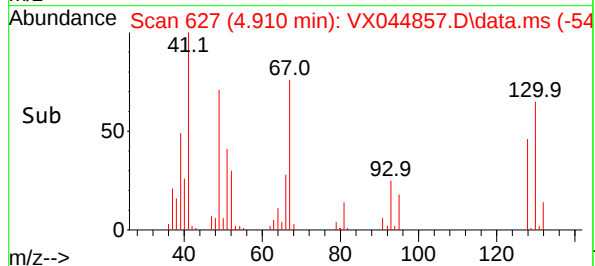
52 26.1 14.4 43.2

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#36

1,2-Dichloroethane

Concen: 19.351 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.006 min

Lab File: VX044857.D

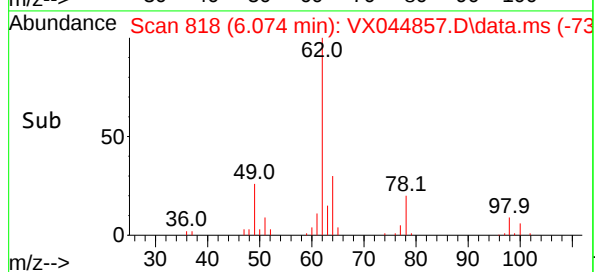
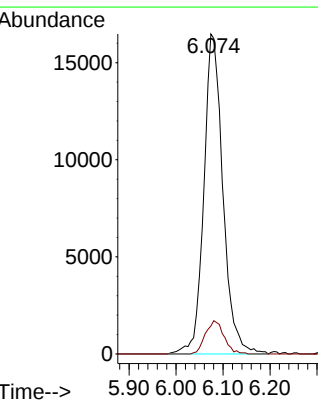
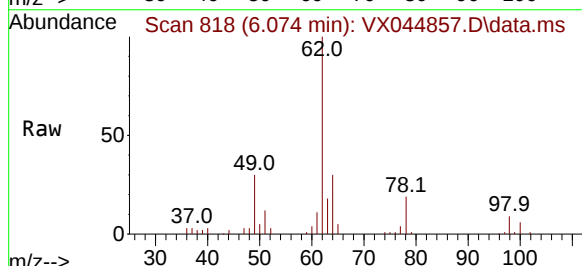
Acq: 07 Feb 2025 10:33

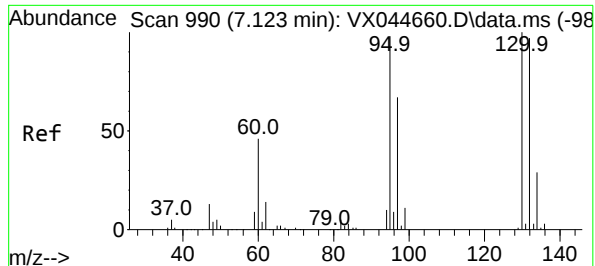
Tgt Ion: 62 Resp: 46552

Ion Ratio Lower Upper

62 100

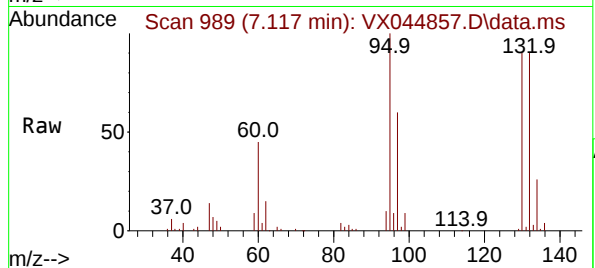
98 10.1 7.4 11.2





#37
Trichloroethene
Concen: 19.717 ug/l
RT: 7.117 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

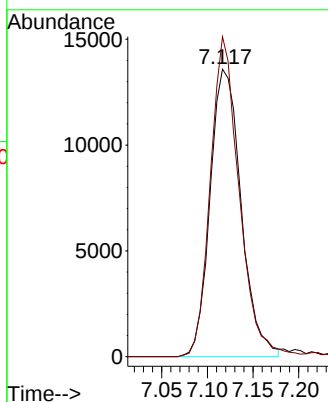
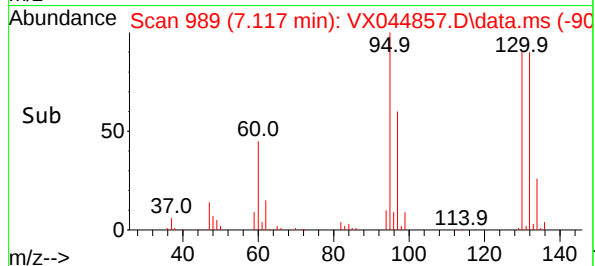
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion:130 Resp: 32029
Ion Ratio Lower Upper
130 100
95 111.3 78.2 117.4

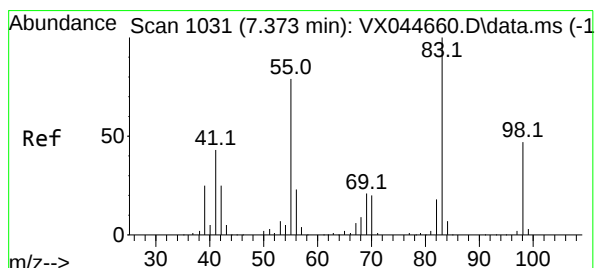
Manual Integrations
APPROVED

Reviewed By :John
Carlone

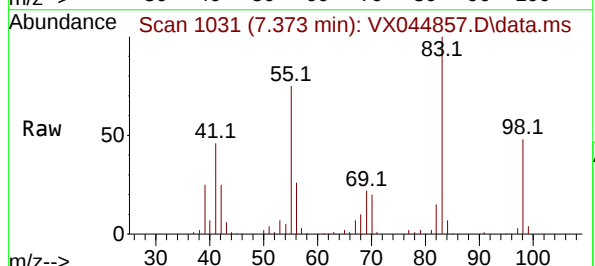


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Supervised By :Mahesh
Dadoda

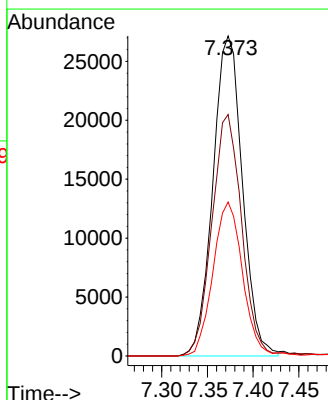
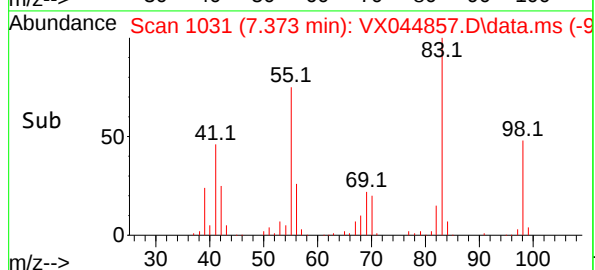
02/10/2025

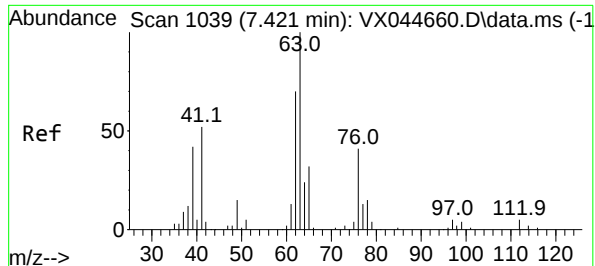


#38
Methylcyclohexane
Concen: 21.301 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33



Tgt Ion: 83 Resp: 61035
Ion Ratio Lower Upper
83 100
55 75.7 38.4 115.2
98 47.8 24.4 73.4





#39

1,2-Dichloropropane

Concen: 20.627 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 63 Resp: 34609

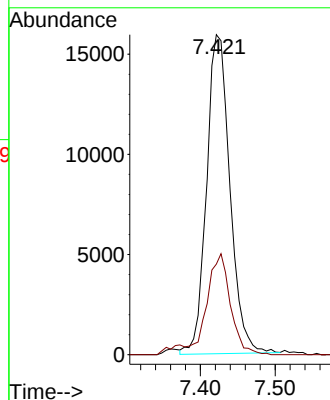
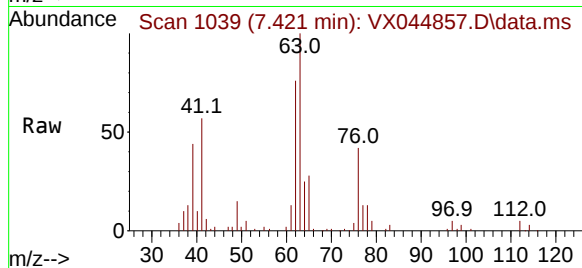
Ion Ratio Lower Upper

63 100

65 28.5 25.5 38.3

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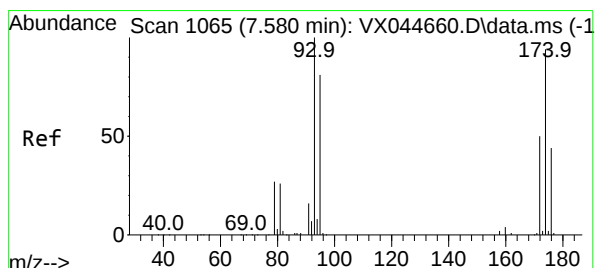
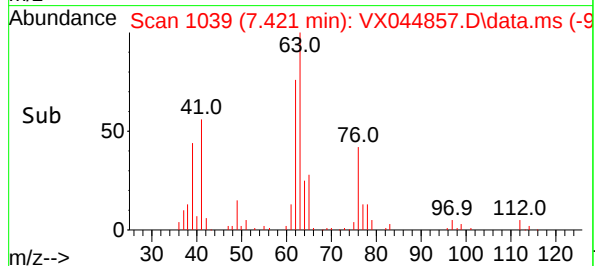
APPROVED

Reviewed By :John
Carlone

02/10/2025

Supervised By :Mahesh
Dadoda

02/10/2025



#40

Dibromomethane

Concen: 19.604 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

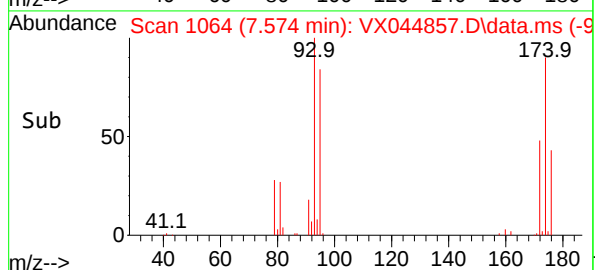
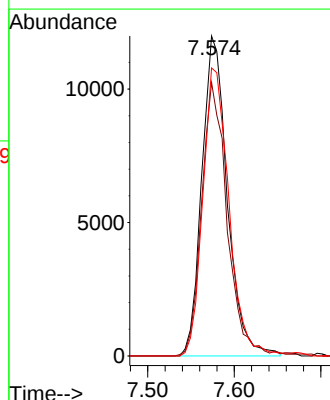
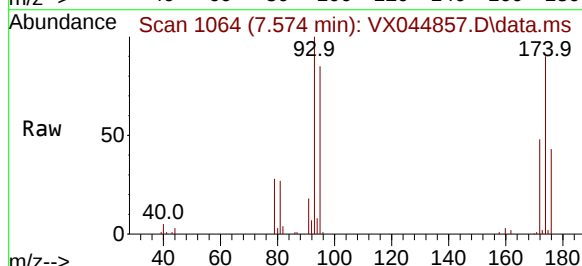
Tgt Ion: 93 Resp: 24453

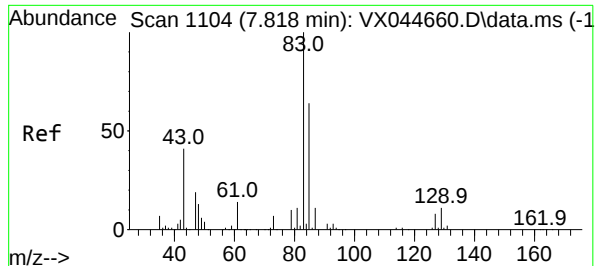
Ion Ratio Lower Upper

93 100

95 84.8 0.0 167.0

174 92.7 0.0 182.0





#41

Bromodichloromethane

Concen: 18.715 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 83 Resp: 4820

Ion Ratio Lower Upper

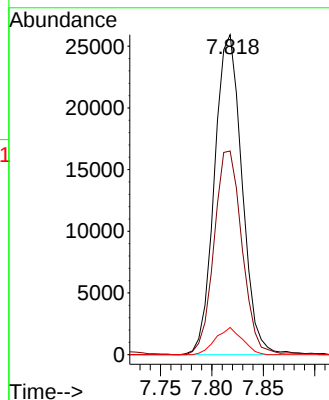
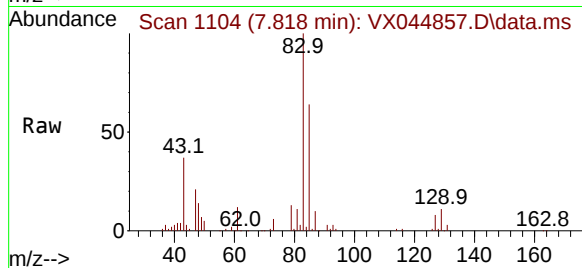
83 100

85 63.7 50.9 76.3

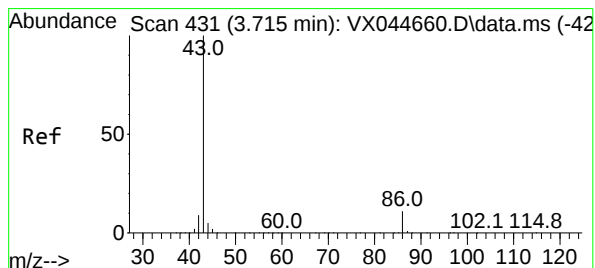
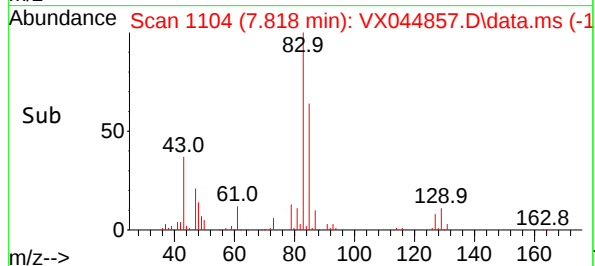
127 8.5 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#42

Vinyl Acetate

Concen: 101.286 ug/l

RT: 3.715 min Scan# 431

Delta R.T. -0.000 min

Lab File: VX044857.D

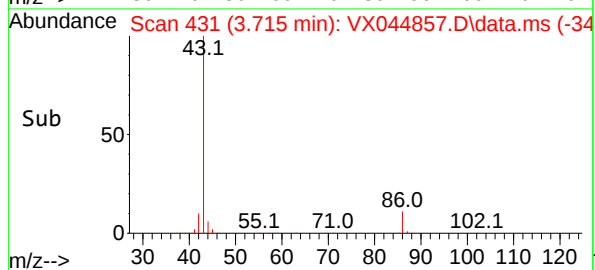
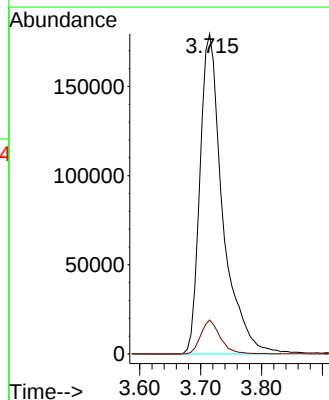
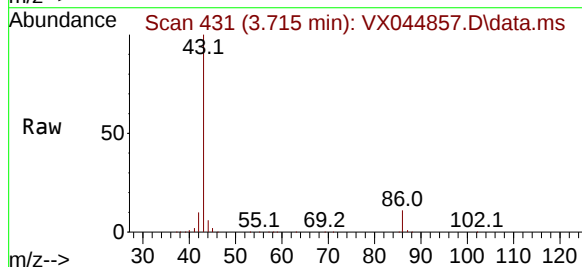
Acq: 07 Feb 2025 10:33

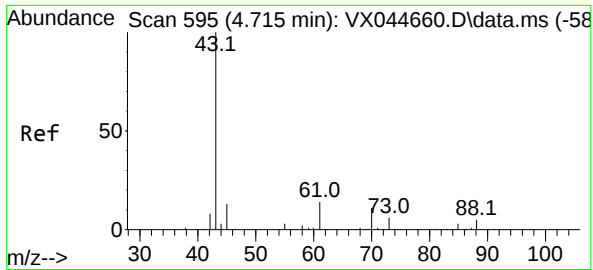
Tgt Ion: 43 Resp: 465984

Ion Ratio Lower Upper

43 100

86 9.0 8.0 12.0





#43

Ethyl Acetate

Concen: 20.504 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.012 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

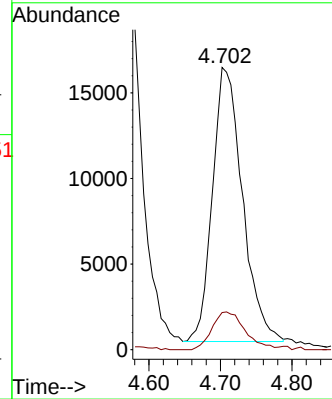
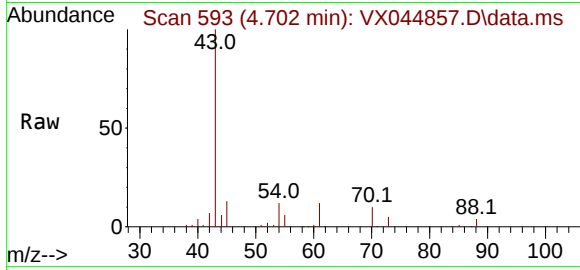
ClientSampleId :

VX0207WBS01

Tgt Ion: 43 Resp: 46590
Ion Ratio Lower Upper
43 100
45 15.1 0.1 0.1

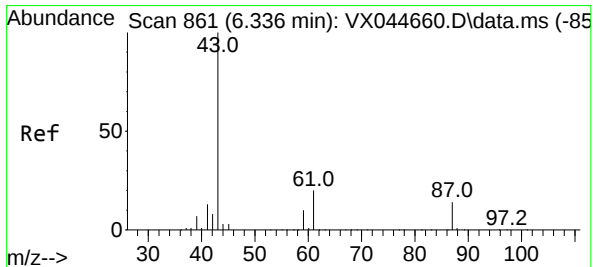
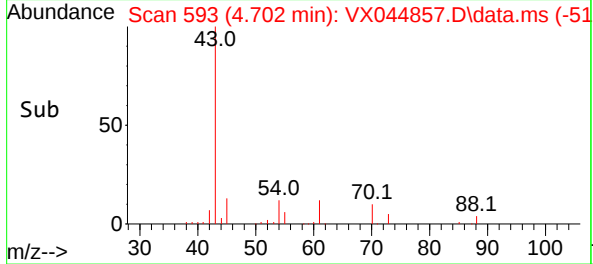
Manual Integrations
APPROVED

Reviewed By :John
Carlone



02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#44

Isopropyl Acetate

Concen: 20.170 ug/l

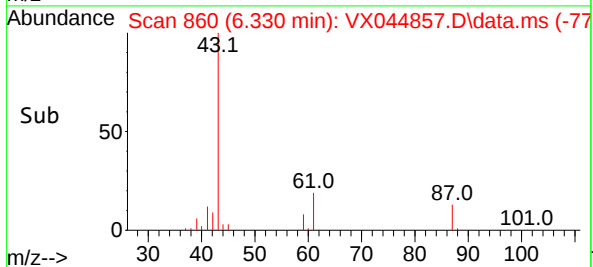
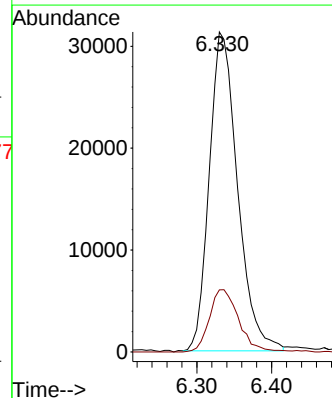
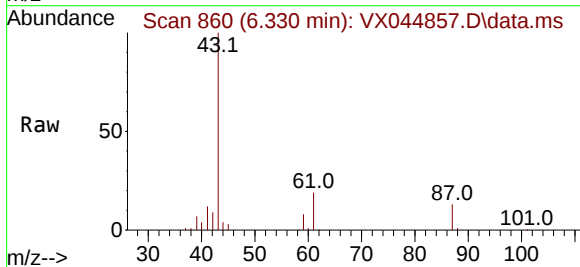
RT: 6.330 min Scan# 860

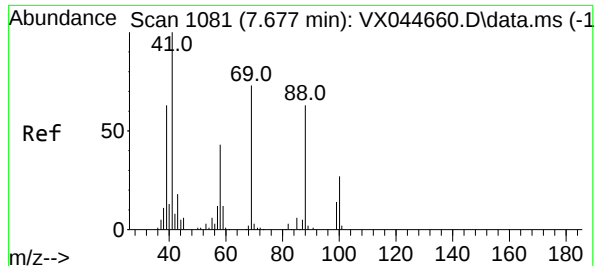
Delta R.T. -0.006 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Tgt Ion: 43 Resp: 82345
Ion Ratio Lower Upper
43 100
61 20.0 16.2 24.4





#45

1,4-Dioxane

Concen: 483.522 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.018 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

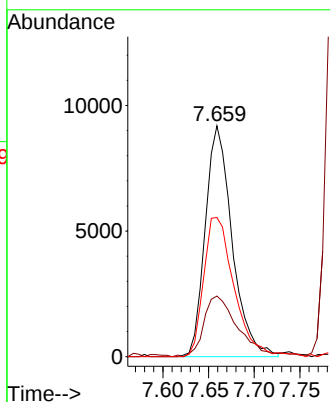
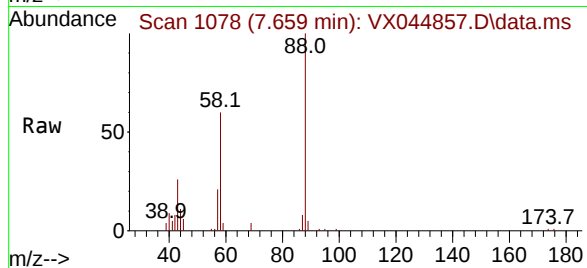
Instrument :

MSVOA_X

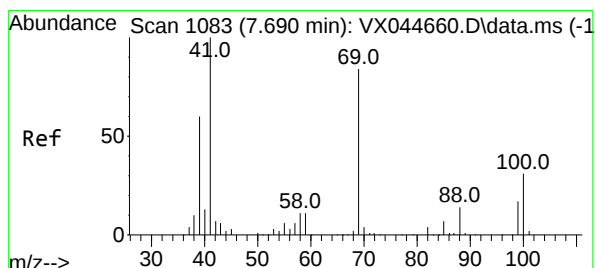
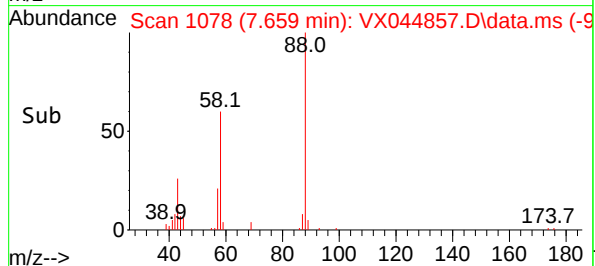
ClientSampleId :

VX0207WBS01

Tgt Ion: 88	Resp: 1879
Ion Ratio	Lower Upper
88 100	
43 32.3	25.9 38.9
58 67.4	58.9 88.3

Manual Integrations
APPROVEDReviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#46

Methyl methacrylate

Concen: 20.356 ug/l

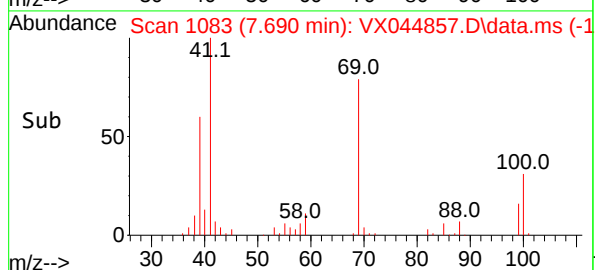
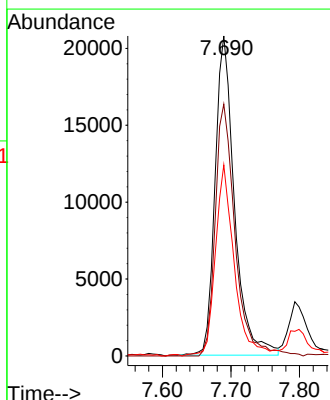
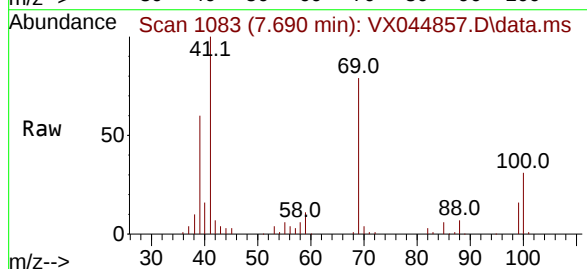
RT: 7.690 min Scan# 1083

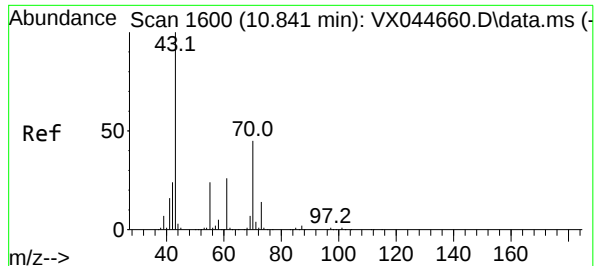
Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Tgt Ion: 41	Resp: 40679
Ion Ratio	Lower Upper
41 100	
69 78.9	41.9 125.7
39 59.4	30.1 90.3





#47

n-amy1 Acetate

Concen: 20.535 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 43 Resp: 7035

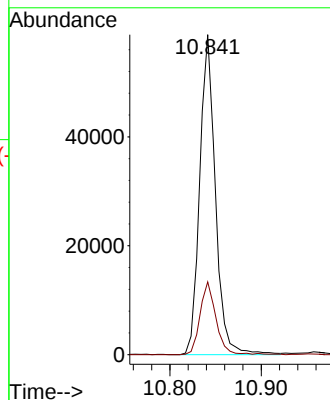
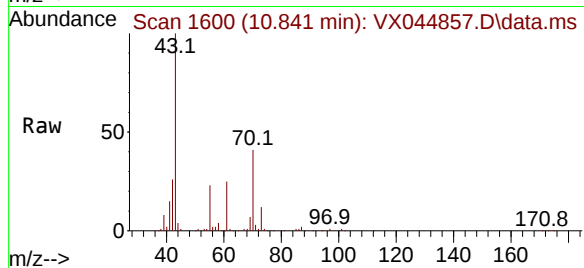
Ion Ratio Lower Upper

43 100

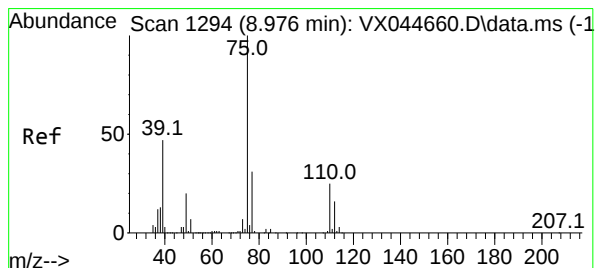
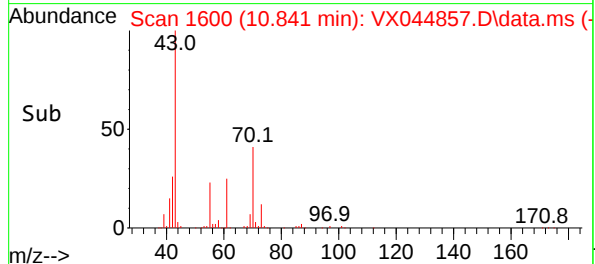
55 22.7 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#48

t-1,3-Dichloropropene

Concen: 17.768 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX044857.D

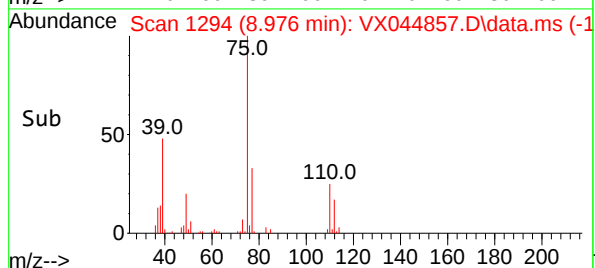
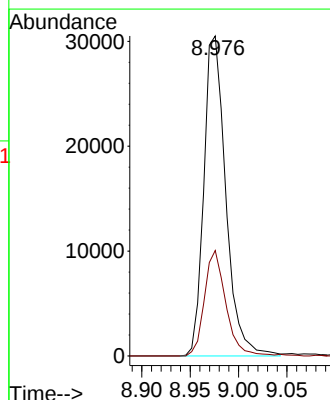
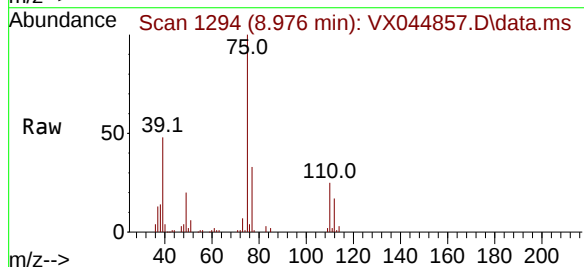
Acq: 07 Feb 2025 10:33

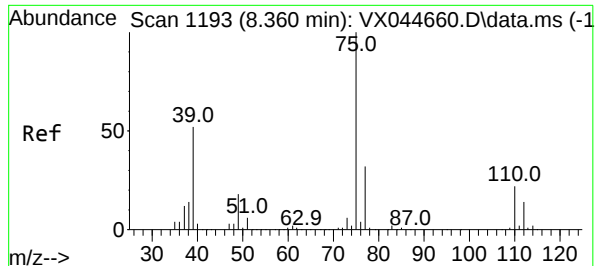
Tgt Ion: 75 Resp: 48303

Ion Ratio Lower Upper

75 100

77 33.0 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 18.965 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 75 Resp: 55284

Ion Ratio Lower Upper

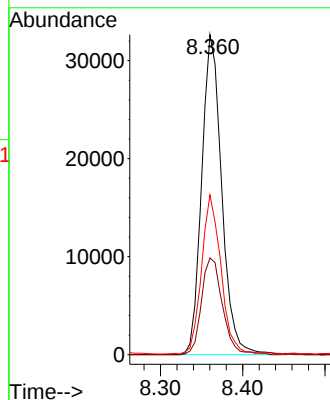
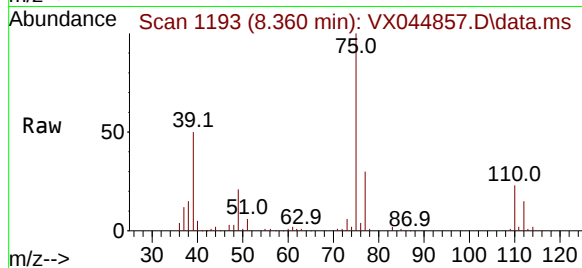
75 100

77 30.3 25.4 38.0

39 49.6 41.4 62.0

Manual Integrations

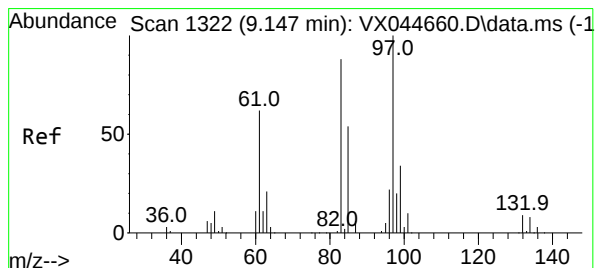
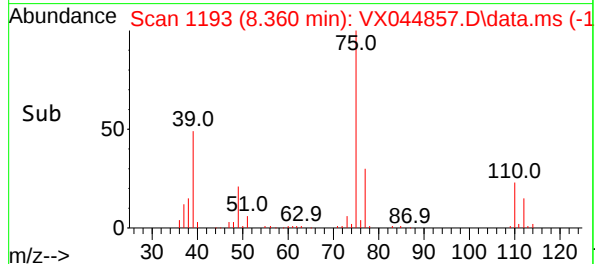
APPROVED

Reviewed By :John
Carlone

02/10/2025

Supervised By :Mahesh
Dadoda

02/10/2025



#50

1,1,2-Trichloroethane

Concen: 20.669 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Tgt Ion: 97 Resp: 33205

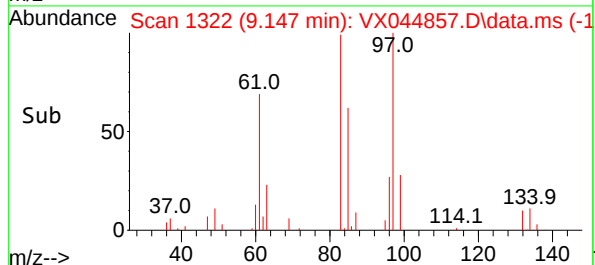
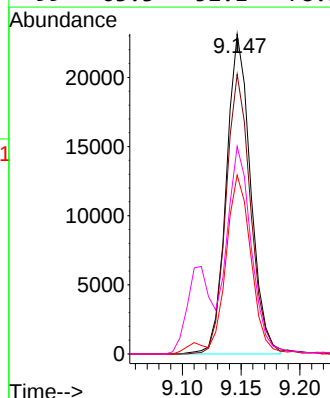
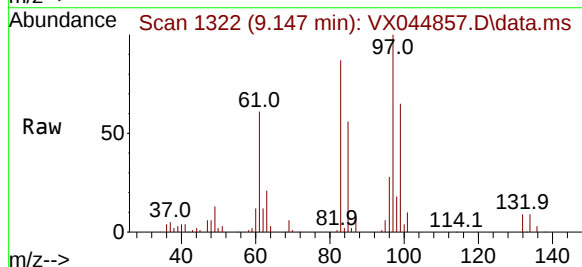
Ion Ratio Lower Upper

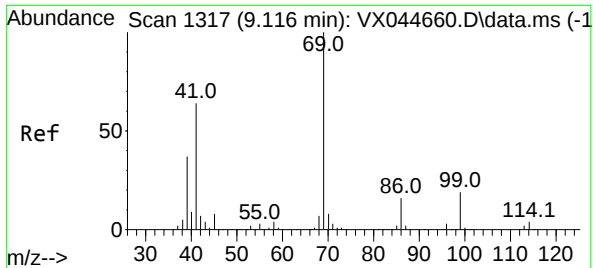
97 100

83 87.4 69.2 103.8

85 55.1 44.8 67.2

99 63.3 52.1 78.1





#51

Ethyl methacrylate

Concen: 19.722 ug/l

RT: 9.110 min Scan# 1317

Delta R.T. -0.006 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 69 Resp: 55040

Ion Ratio Lower Upper

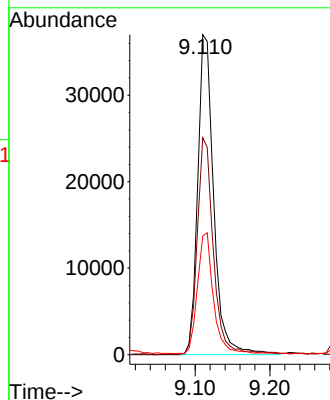
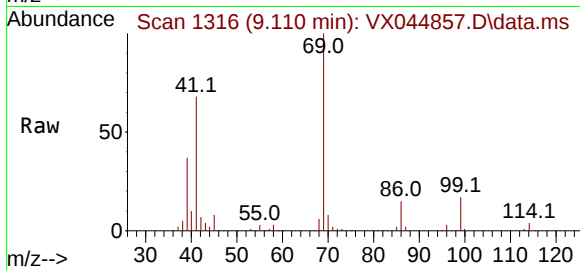
69 100

41 67.6 32.0 96.0

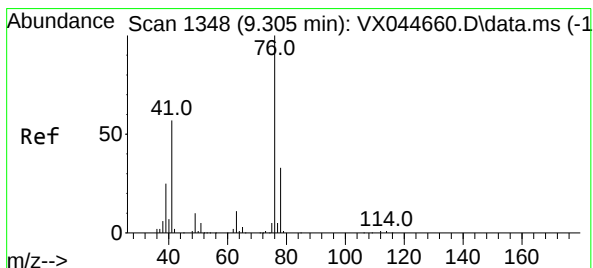
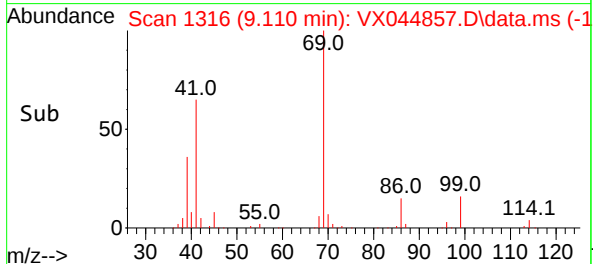
39 36.7 18.6 55.6

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#52

1,3-Dichloropropane

Concen: 21.241 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VX044857.D

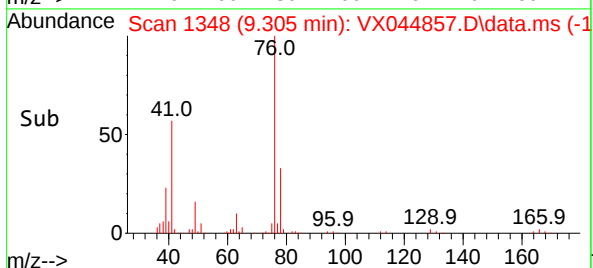
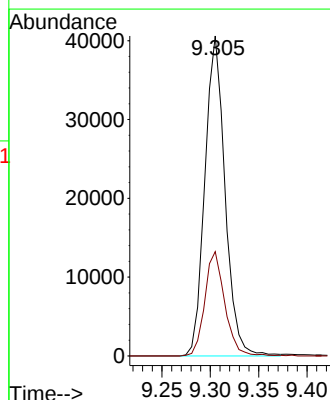
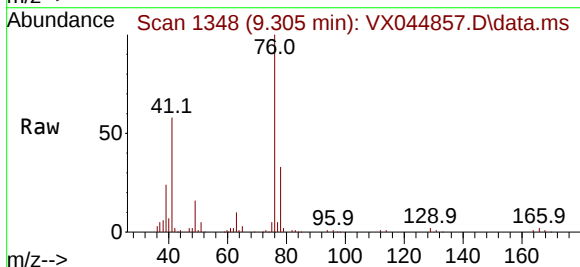
Acq: 07 Feb 2025 10:33

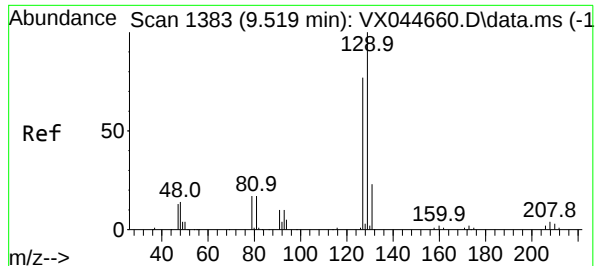
Tgt Ion: 76 Resp: 59019

Ion Ratio Lower Upper

76 100

78 32.0 0.0 64.0





#53

Dibromochloromethane

Concen: 18.692 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion:129 Resp: 3588

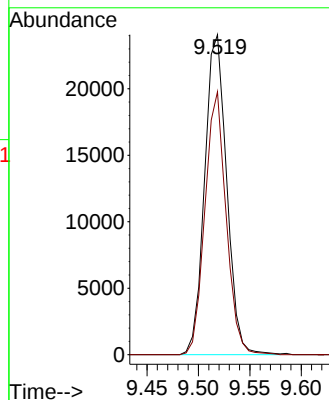
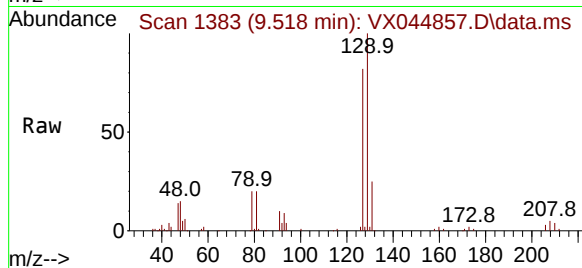
Ion Ratio Lower Upper

129 100

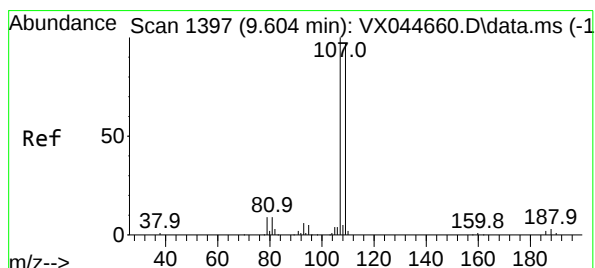
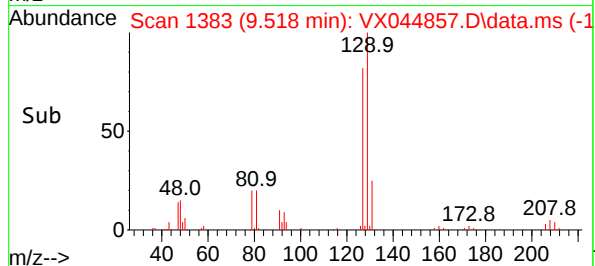
127 79.1 37.8 113.4

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#54

1,2-Dibromoethane

Concen: 20.096 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VX044857.D

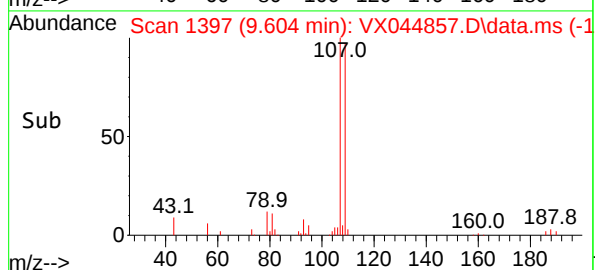
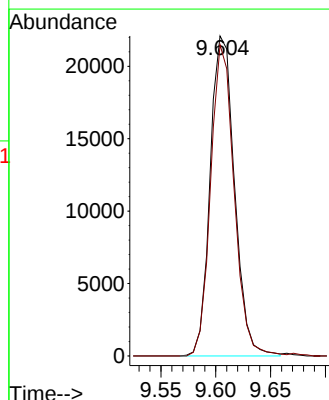
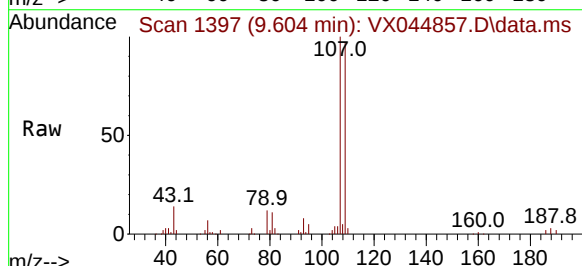
Acq: 07 Feb 2025 10:33

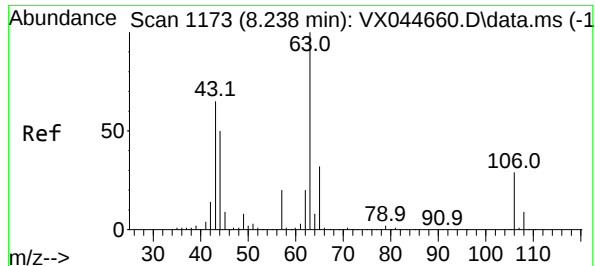
Tgt Ion:107 Resp: 34128

Ion Ratio Lower Upper

107 100

109 93.8 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 88.561 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 63 Resp: 11992

Ion Ratio Lower Upper

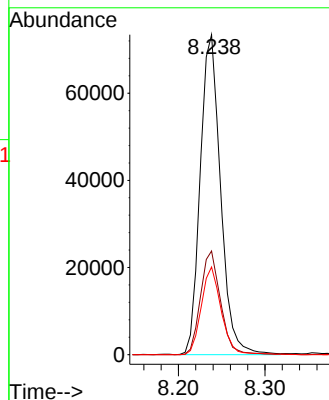
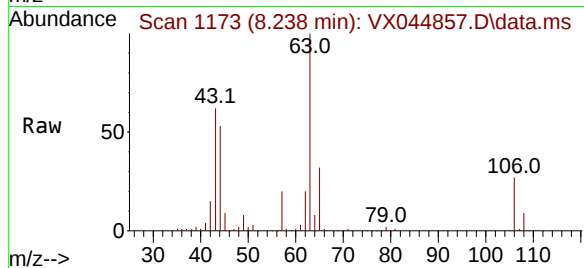
63 100

65 31.8 25.8 38.6

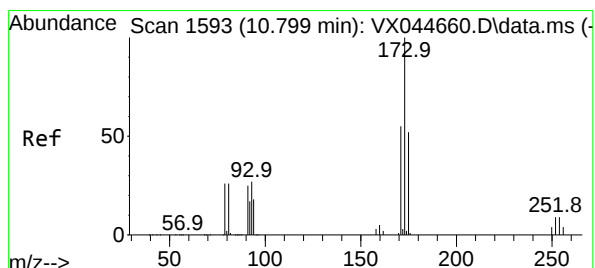
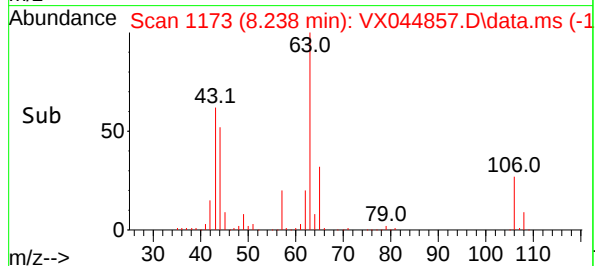
106 26.7 23.1 34.7

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#56

Bromoform

Concen: 17.885 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

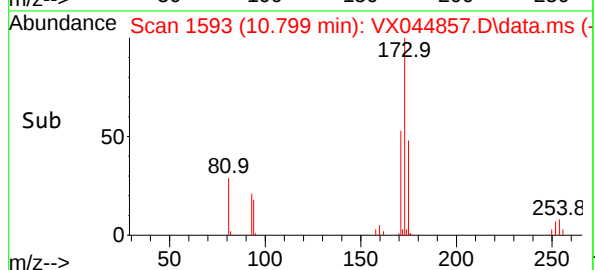
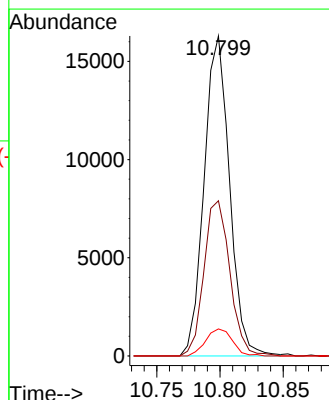
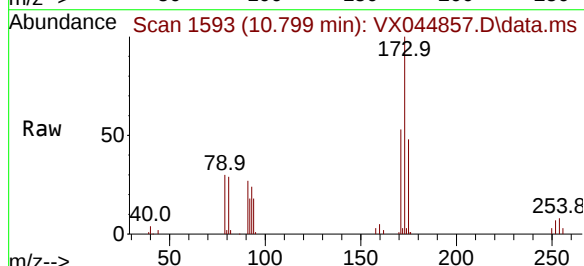
Tgt Ion:173 Resp: 22766

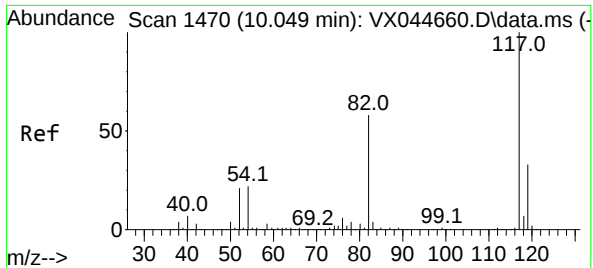
Ion Ratio Lower Upper

173 100

175 49.6 39.0 58.6

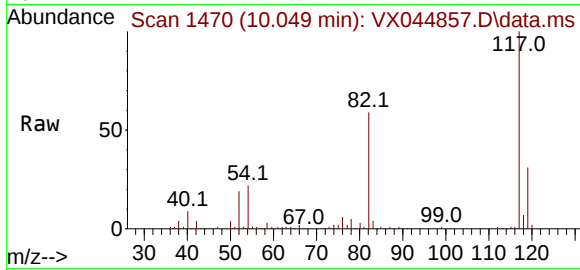
254 8.9 6.5 9.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

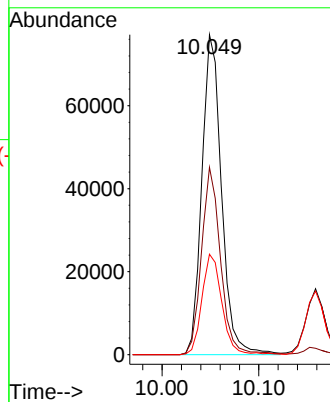
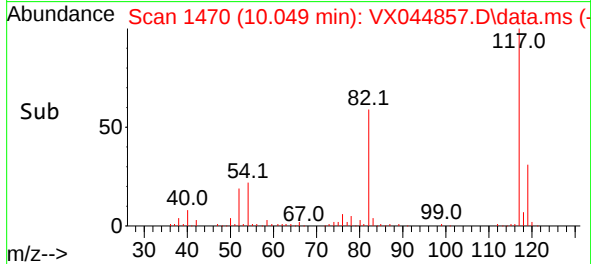
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion: 117 Resp: 109254
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.6
119 31.9 25.8 38.6

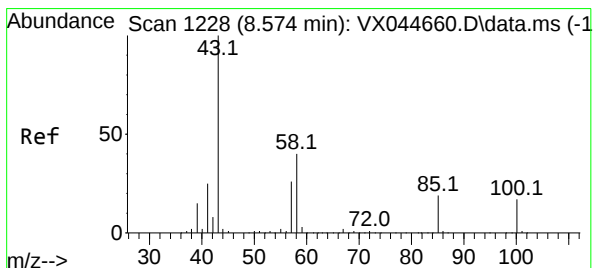
Manual Integrations
APPROVED

Reviewed By :John
Carlone



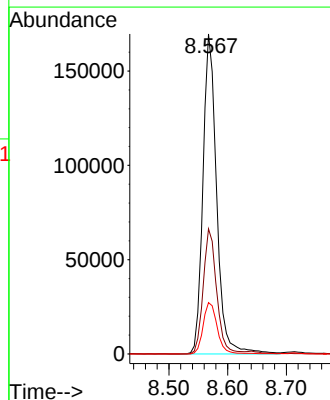
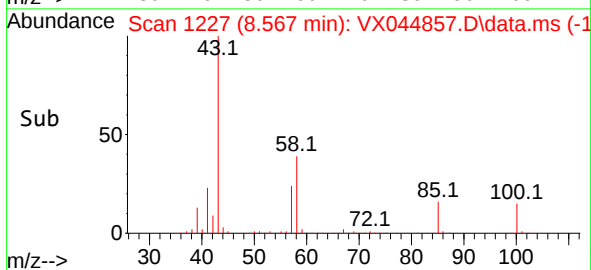
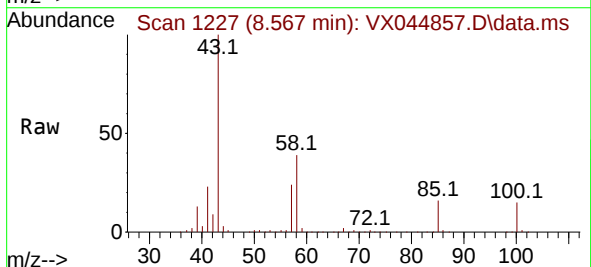
02/10/2025
Supervised By :Mahesh
Dadoda

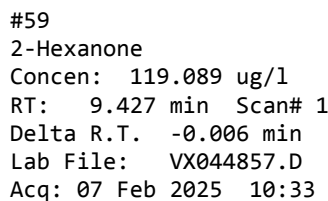
02/10/2025



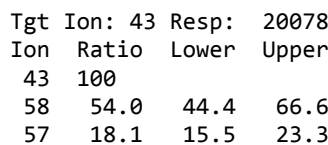
#58
4-Methyl-2-Pentanone
Concen: 119.736 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Tgt Ion: 43 Resp: 275743
Ion Ratio Lower Upper
43 100
58 38.3 31.7 47.5
85 16.5 15.0 22.6

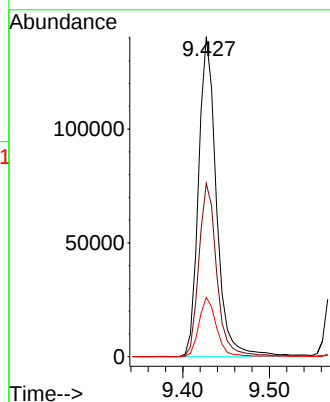




Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01

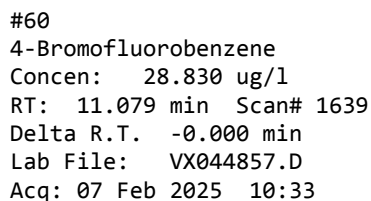


Manual Integrations

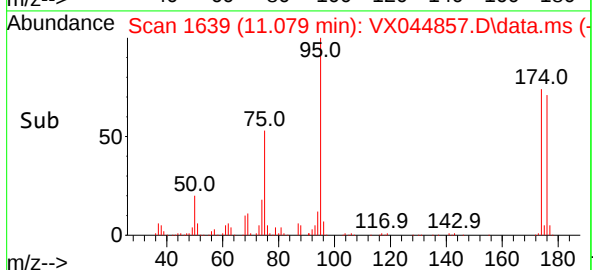
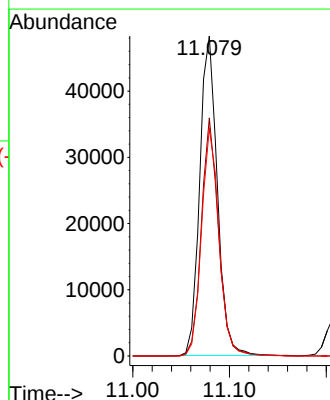
Reviewed By :John
Carlone

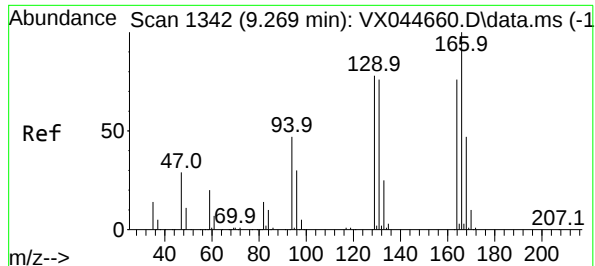
02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



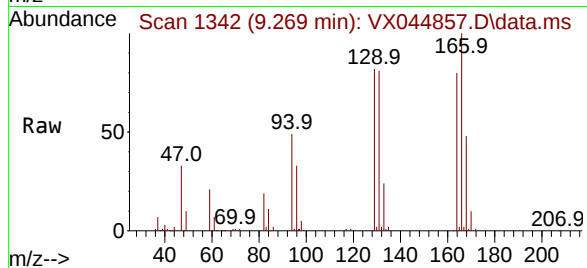
Tgt Ion: 95	Resp: 61180
Ion Ratio	Lower Upper
95 100	
174	72.5 54.6 81.8
176	70.8 52.8 79.2





#61
Tetrachloroethene
Concen: 20.886 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

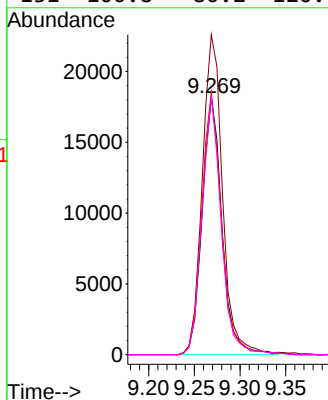
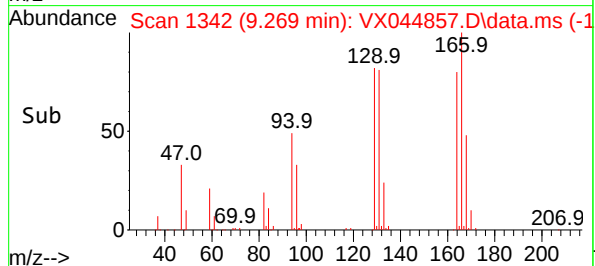
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion:164 Resp: 27372
Ion Ratio Lower Upper
164 100
166 124.7 105.6 158.4
129 102.3 82.8 124.2
131 100.8 80.2 120.4

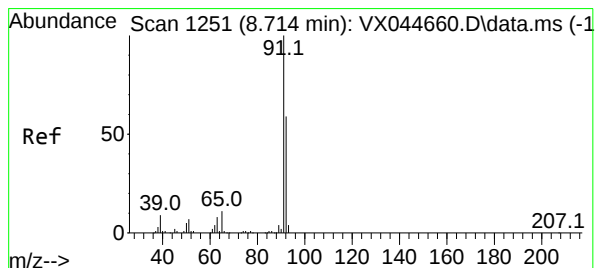
Manual Integrations
APPROVED

Reviewed By :John
Carlone

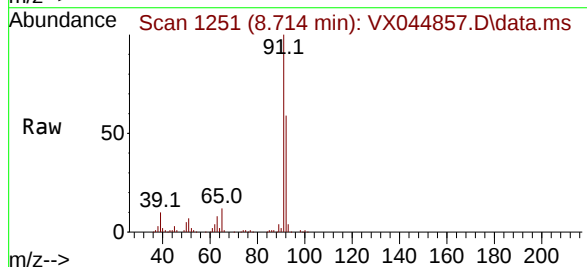


02/10/2025
Supervised By :Mahesh
Dadoda

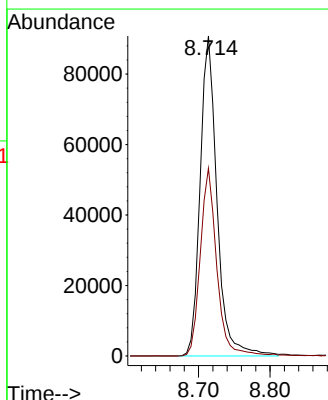
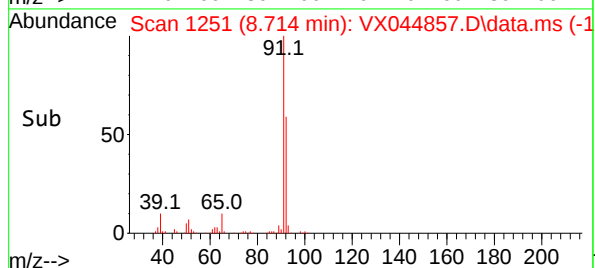
02/10/2025

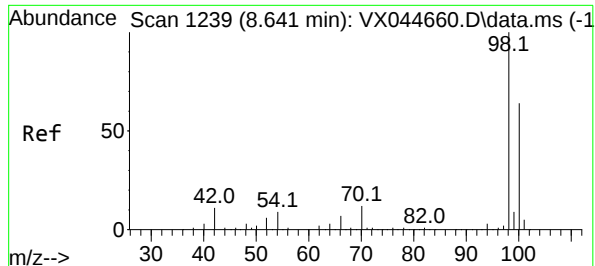


#62
Toluene
Concen: 20.684 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33



Tgt Ion: 91 Resp: 148799
Ion Ratio Lower Upper
91 100
92 57.1 47.3 70.9





#63

Toluene-d8

Concen: 29.838 ug/l

RT: 8.641 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 98 Resp: 17730

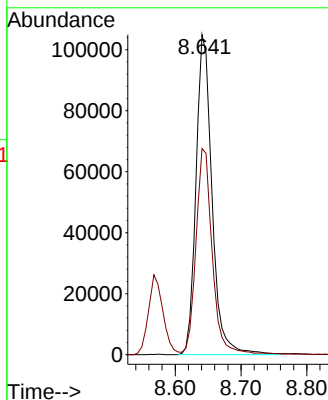
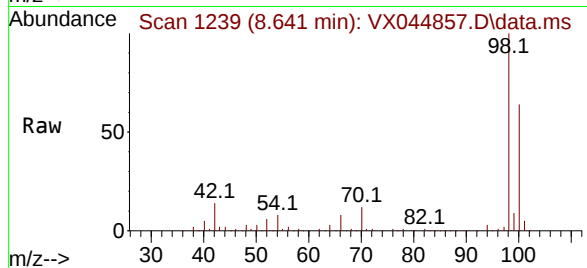
Ion Ratio Lower Upper

98 100

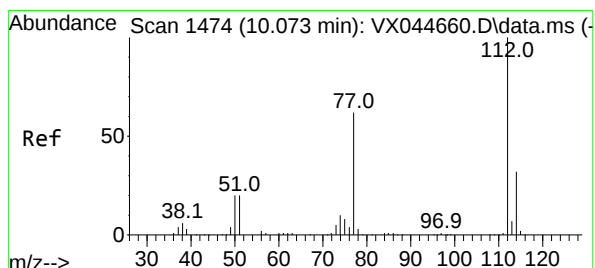
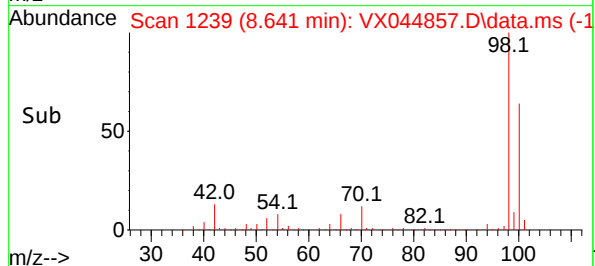
100 64.7 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#64

Chlorobenzene

Concen: 20.899 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VX044857.D

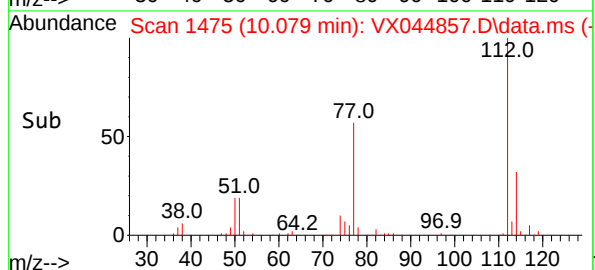
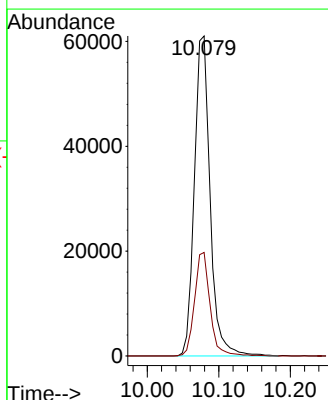
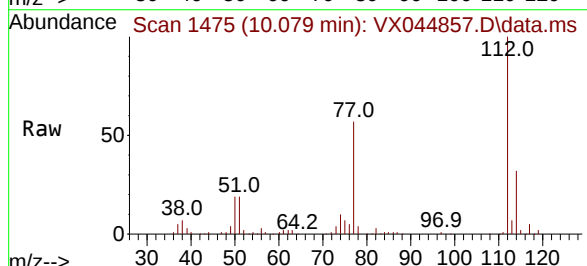
Acq: 07 Feb 2025 10:33

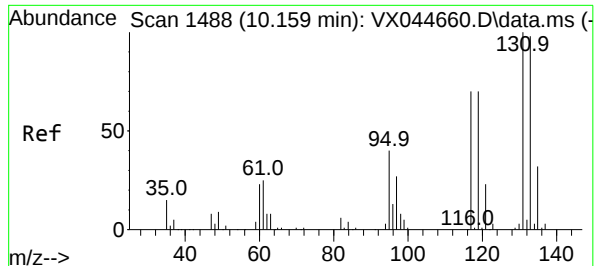
Tgt Ion:112 Resp: 93373

Ion Ratio Lower Upper

112 100

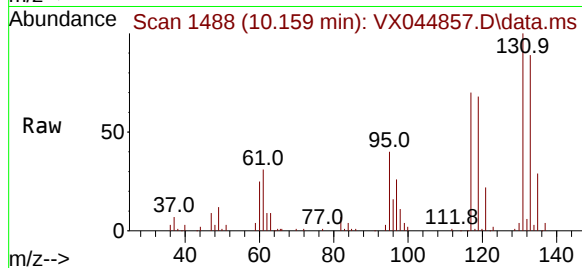
114 32.4 25.5 38.3





#65
1,1,1,2-Tetrachloroethane
Concen: 18.714 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

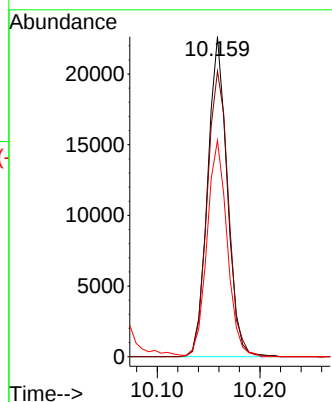
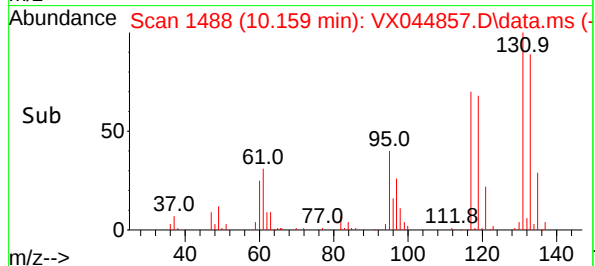
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion:131 Resp: 30035
Ion Ratio Lower Upper
131 100
133 95.9 0.0 192.4
119 69.4 0.0 133.4

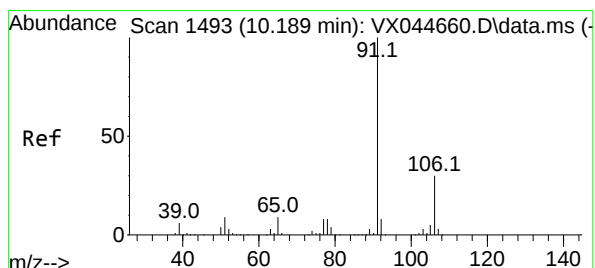
Manual Integrations
APPROVED

Reviewed By :John
Carlone



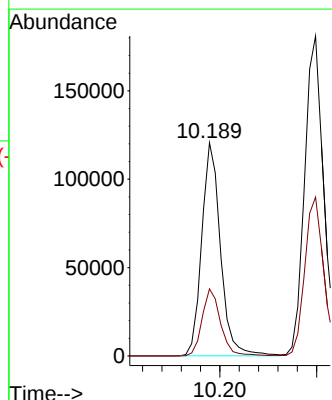
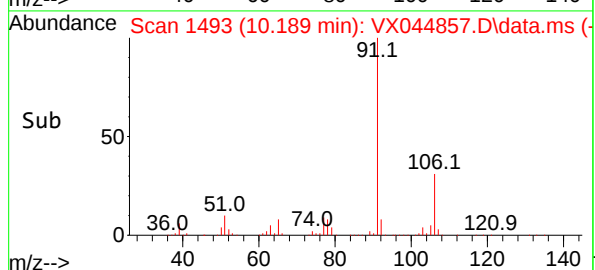
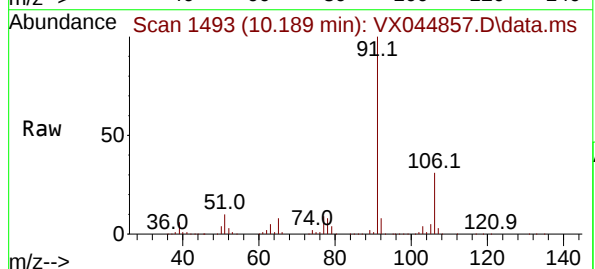
02/10/2025
Supervised By :Mahesh
Dadoda

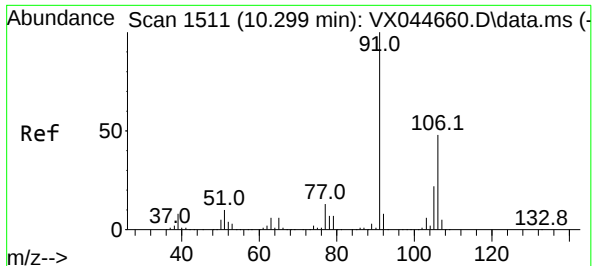
02/10/2025



#66
Ethyl Benzene
Concen: 20.771 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

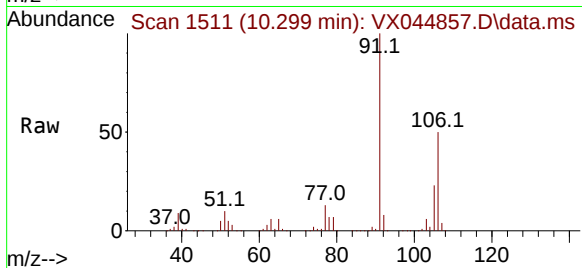
Tgt Ion: 91 Resp: 163074
Ion Ratio Lower Upper
91 100
106 31.5 24.0 36.0





#67
m/p-Xylenes
Concen: 43.004 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

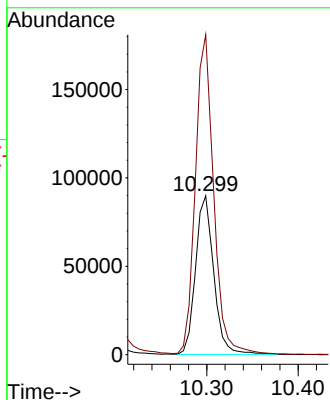
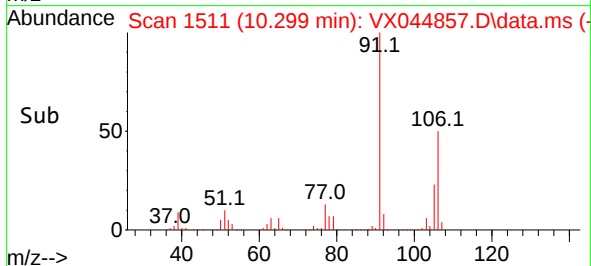
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion:106 Resp: 12410
Ion Ratio Lower Upper
106 100
91 203.9 166.8 250.2

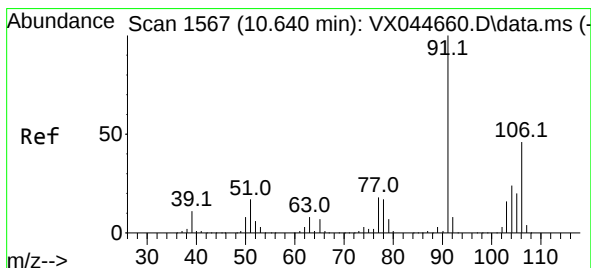
Manual Integrations
APPROVED

Reviewed By :John
Carlone



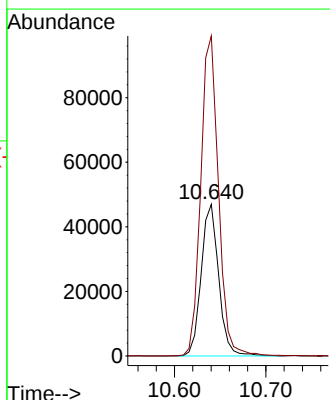
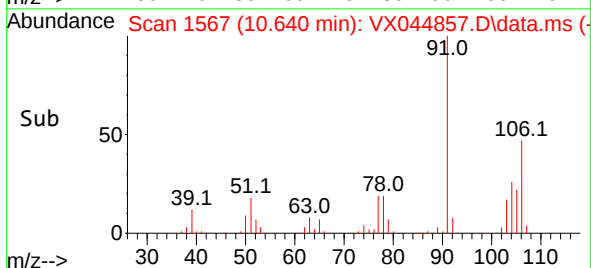
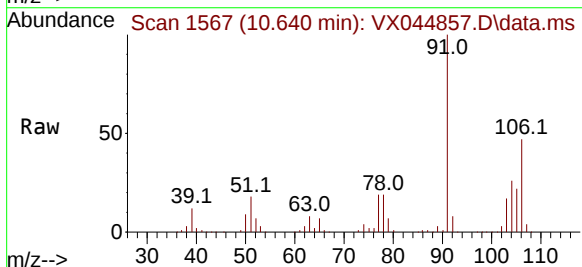
02/10/2025
Supervised By :Mahesh
Dadoda

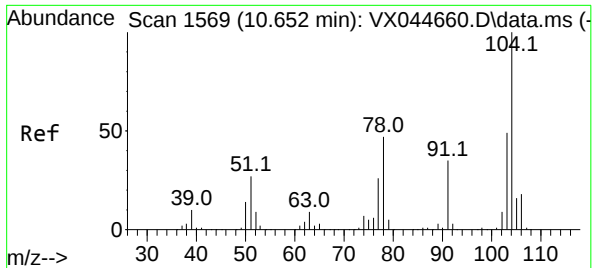
02/10/2025



#68
o-Xylene
Concen: 21.543 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Tgt Ion:106 Resp: 62397
Ion Ratio Lower Upper
106 100
91 212.8 109.7 329.1





#69

Styrene

Concen: 21.456 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion:104 Resp: 102030

Ion Ratio Lower Upper

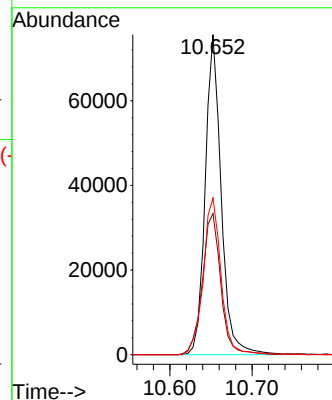
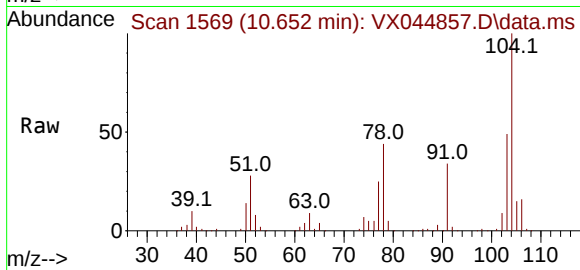
104 100

78 50.8 42.0 63.0

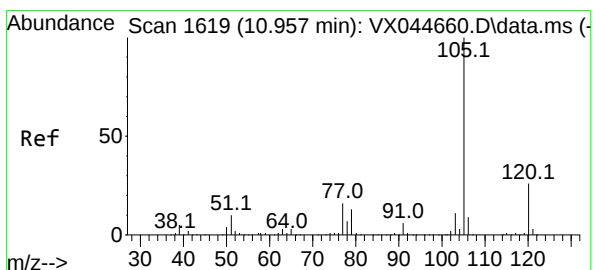
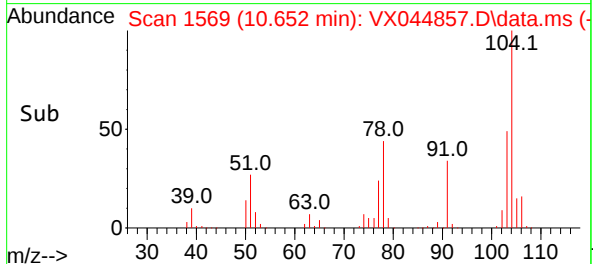
103 54.5 43.1 64.7

Manual Integrations

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Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

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#70

Isopropylbenzene

Concen: 21.638 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX044857.D

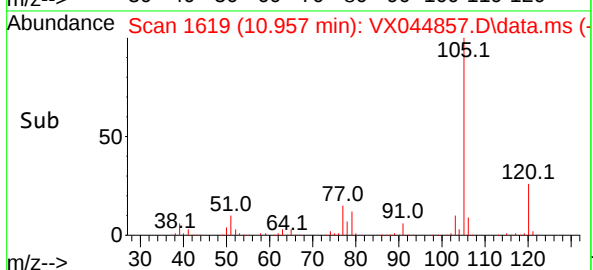
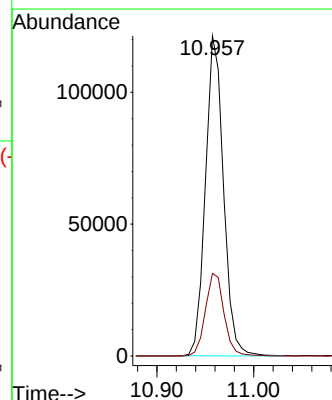
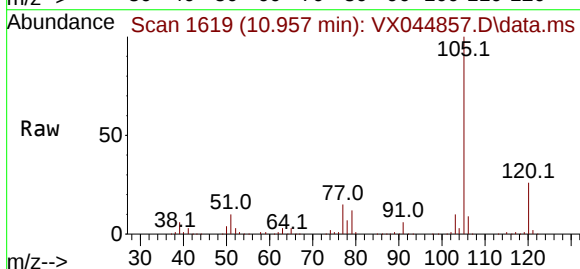
Acq: 07 Feb 2025 10:33

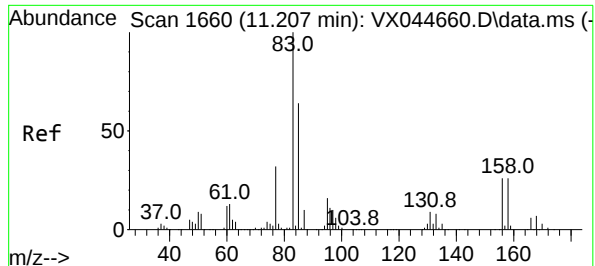
Tgt Ion:105 Resp: 157556

Ion Ratio Lower Upper

105 100

120 26.6 18.6 34.6





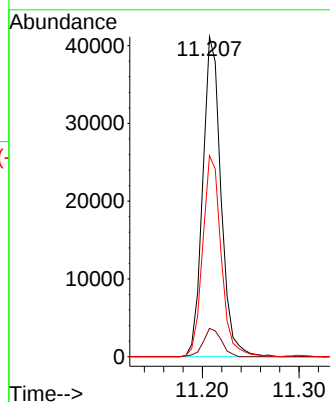
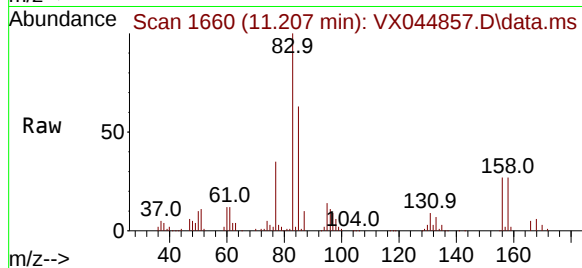
#71
1,1,2,2-Tetrachloroethane
Concen: 22.077 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01

Tgt Ion: 83 Resp: 5404
Ion Ratio Lower Upper
83 100
131 8.8 5.0 14.9
85 63.8 33.0 99.0

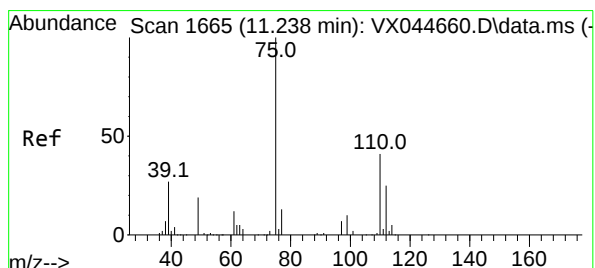
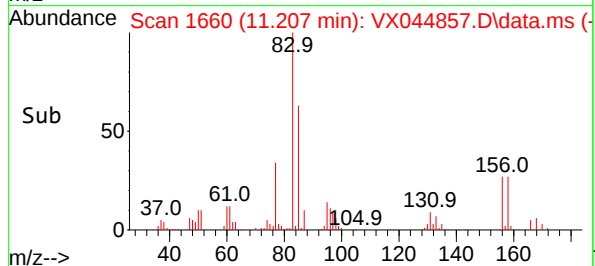
Manual Integrations
APPROVED

Reviewed By :John
Carlone



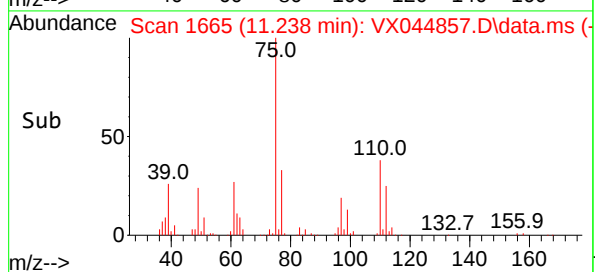
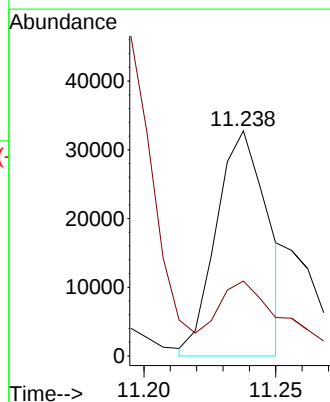
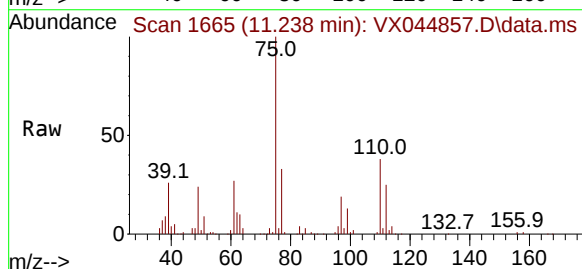
02/10/2025
Supervised By :Mahesh
Dadoda

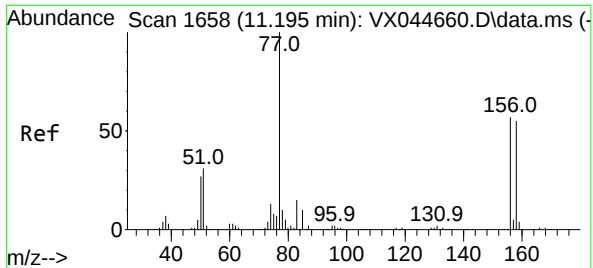
02/10/2025



#72
1,2,3-Trichloropropane
Concen: 21.447 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

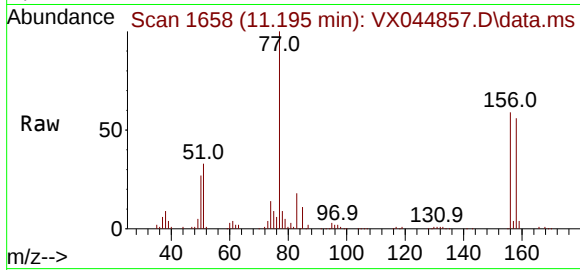
Tgt Ion: 75 Resp: 44167
Ion Ratio Lower Upper
75 100
77 42.8 0.0 83.0





#73
Bromobenzene
Concen: 21.344 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

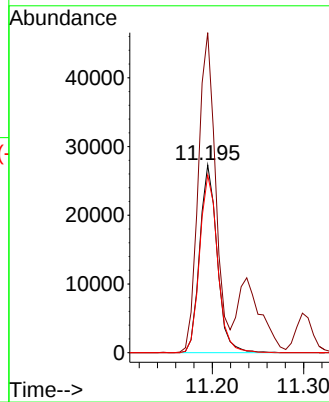
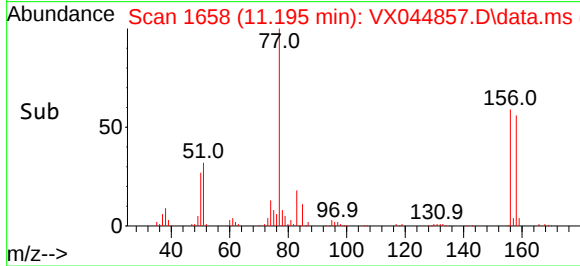
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion:156 Resp: 36200
Ion Ratio Lower Upper
156 100
77 168.8 0.0 354.6
158 97.4 0.0 193.6

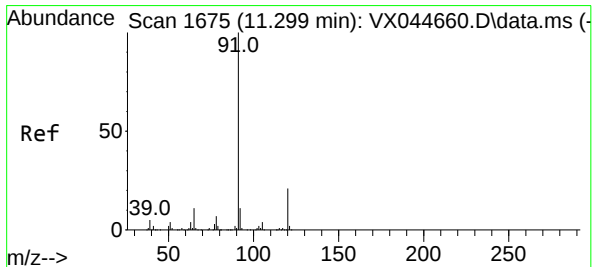
Manual Integrations
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Reviewed By :John
Carlone



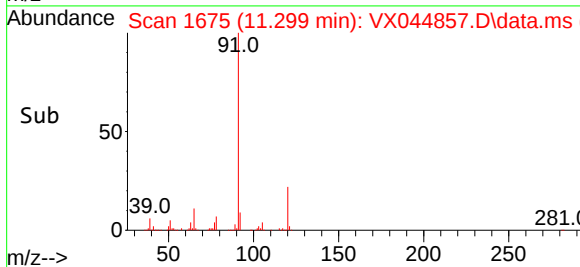
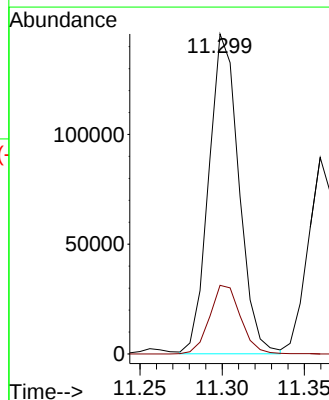
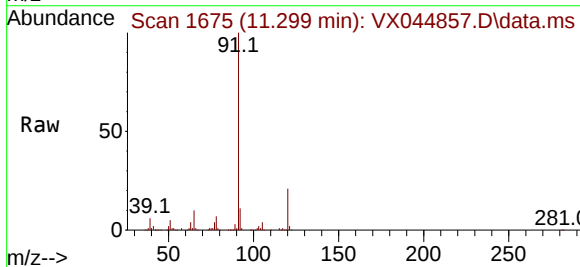
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Supervised By :Mahesh
Dadoda

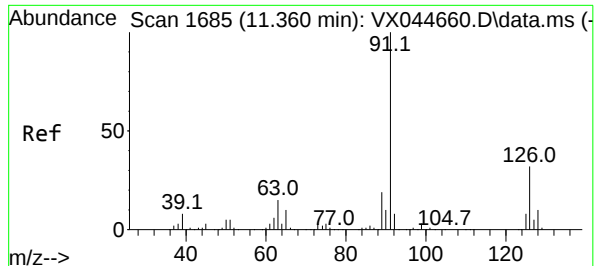
02/10/2025



#74
n-propylbenzene
Concen: 22.501 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Tgt Ion: 91 Resp: 186093
Ion Ratio Lower Upper
91 100
120 22.0 0.0 45.0





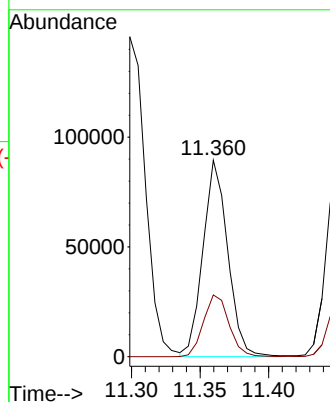
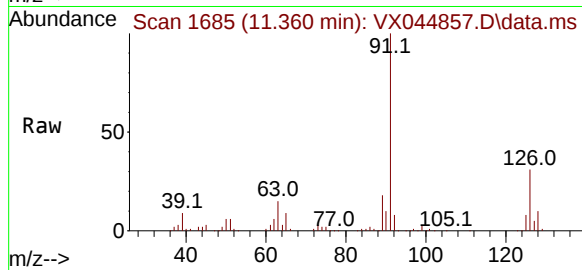
#75
2-Chlorotoluene
Concen: 21.687 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01

Tgt Ion: 91 Resp: 11276
Ion Ratio Lower Upper
91 100
126 32.5 0.0 64.0

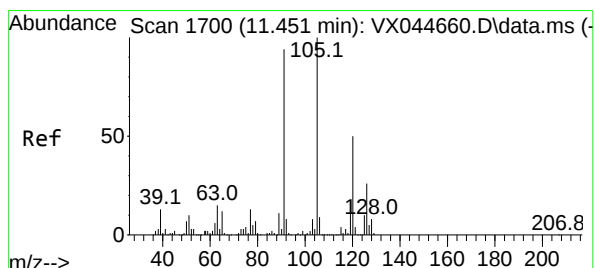
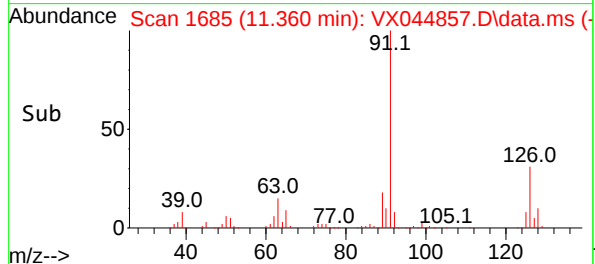
Manual Integrations
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Reviewed By :John
Carlone



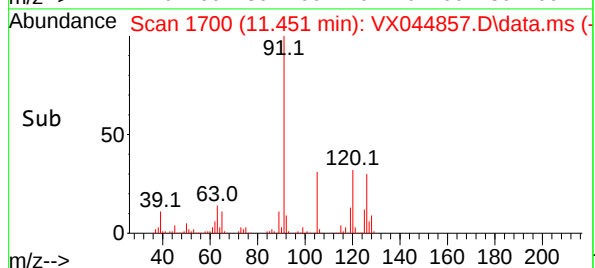
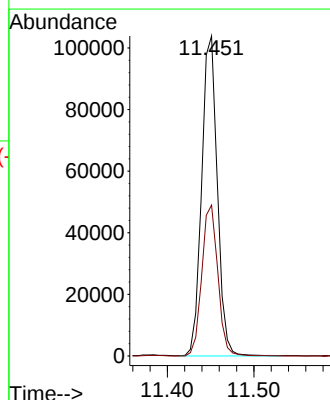
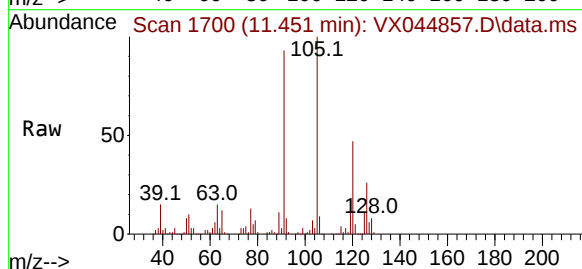
02/10/2025
Supervised By :Mahesh
Dadoda

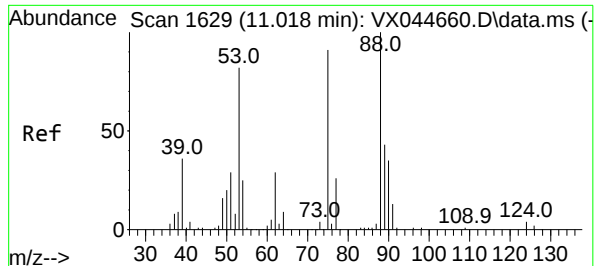
02/10/2025



#76
1,3,5-Trimethylbenzene
Concen: 22.066 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Tgt Ion:105 Resp: 130479
Ion Ratio Lower Upper
105 100
120 48.2 0.0 96.8





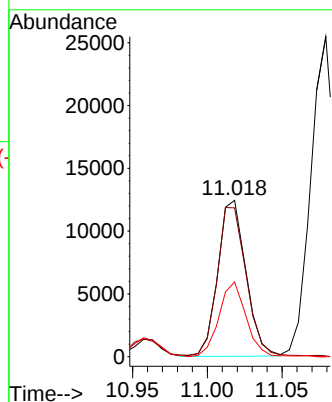
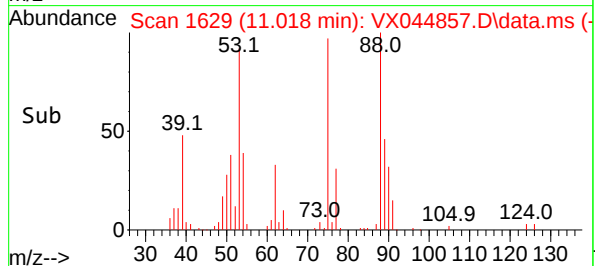
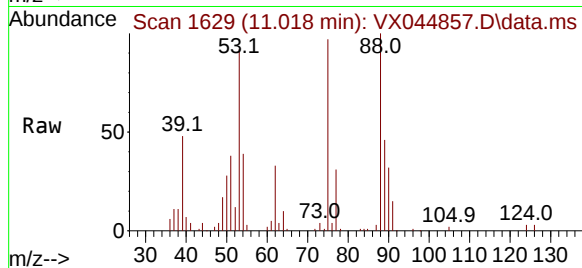
#77
t-1,4-Dichloro-2-butene
Concen: 16.712 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01

Tgt Ion: 75 Resp: 1628
Ion Ratio Lower Upper
75 100
53 94.6 45.3 135.9
89 47.4 23.8 71.2

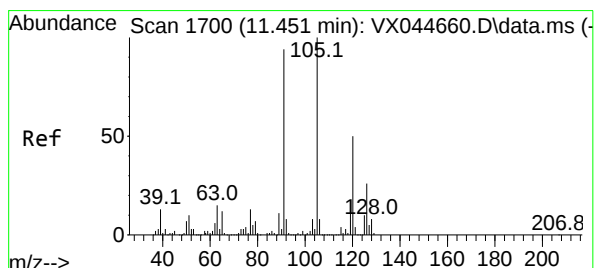
Manual Integrations
APPROVED

Reviewed By :John
Carlone



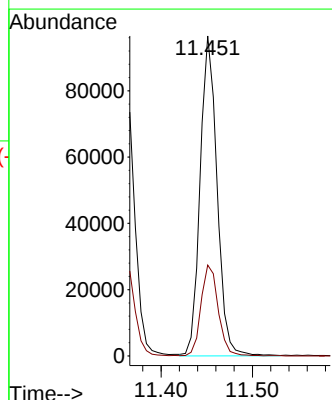
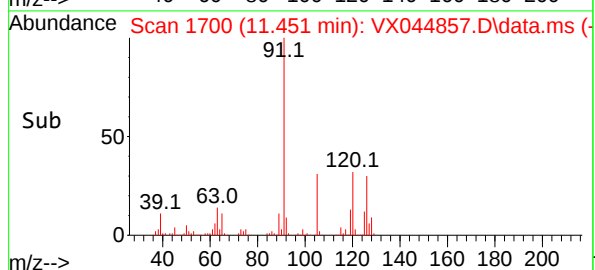
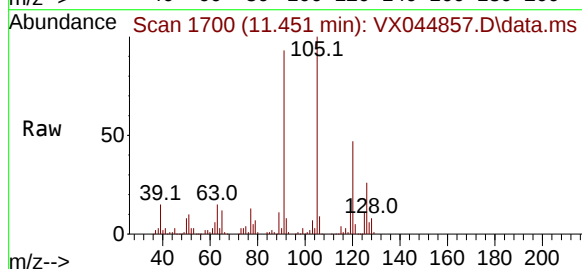
02/10/2025
Supervised By :Mahesh
Dadoda

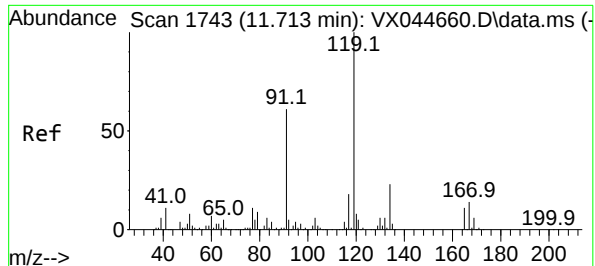
02/10/2025



#78
4-Chlorotoluene
Concen: 21.672 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

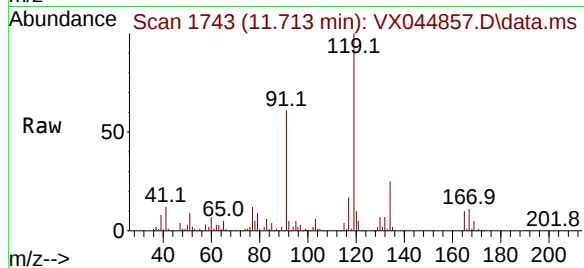
Tgt Ion: 91 Resp: 124166
Ion Ratio Lower Upper
91 100
126 28.9 0.0 55.4





#79
tert-butylbenzene
Concen: 21.581 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

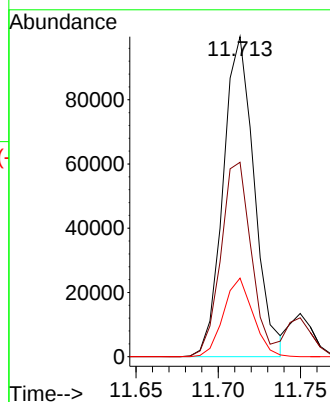
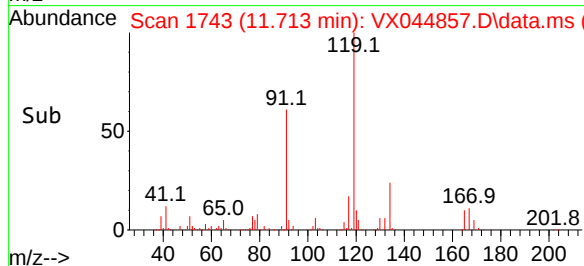
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion:119 Resp: 131098
Ion Ratio Lower Upper
119 100
91 59.1 0.0 119.0
134 23.4 0.0 44.8

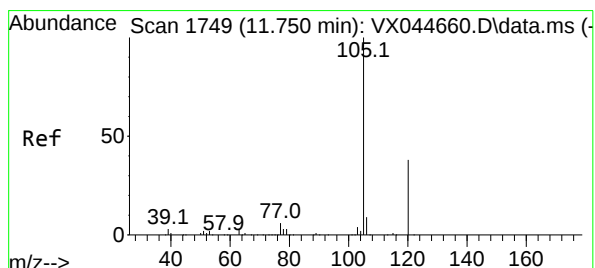
Manual Integrations
APPROVED

Reviewed By :John
Carlone



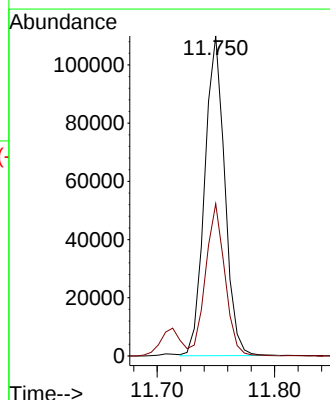
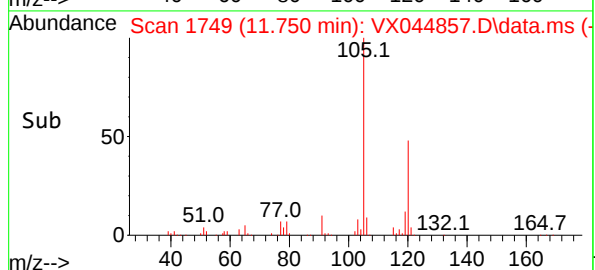
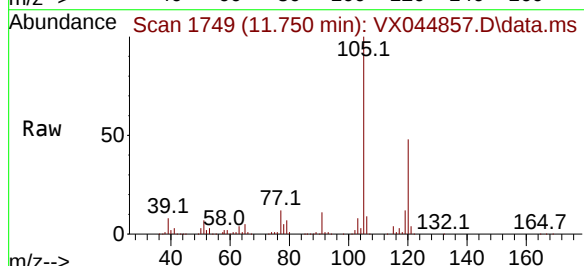
02/10/2025
Supervised By :Mahesh
Dadoda

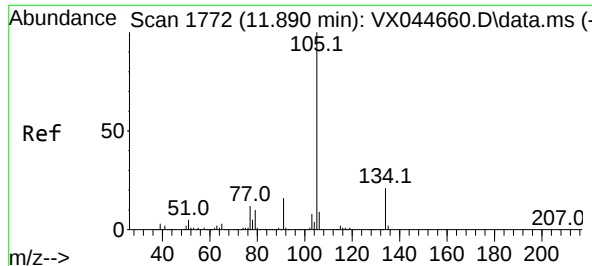
02/10/2025



#80
1,2,4-Trimethylbenzene
Concen: 21.819 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

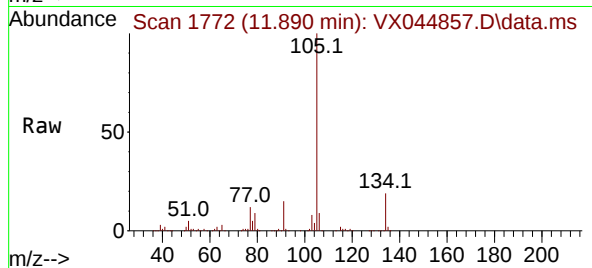
Tgt Ion:105 Resp: 130174
Ion Ratio Lower Upper
105 100
120 45.8 0.0 88.4





#81
sec-Butylbenzene
Concen: 22.915 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

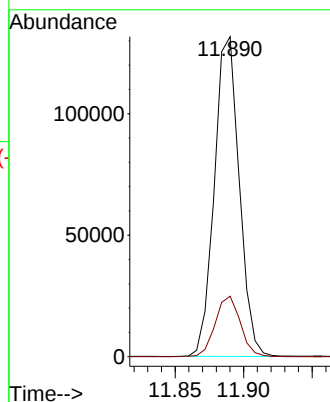
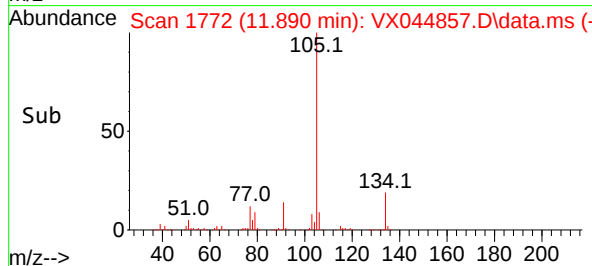
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion:105 Resp: 166220
Ion Ratio Lower Upper
105 100
134 19.1 0.0 39.6

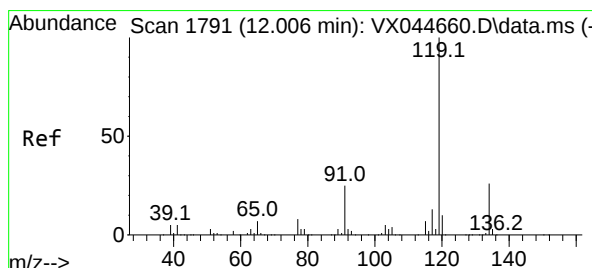
Manual Integrations
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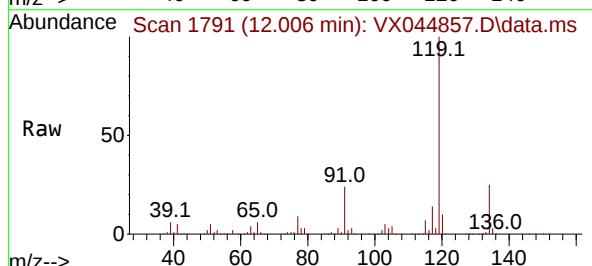


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Supervised By :Mahesh
Dadoda

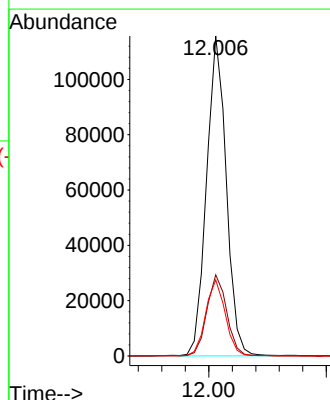
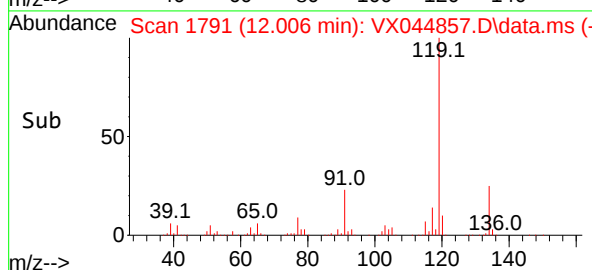
02/10/2025

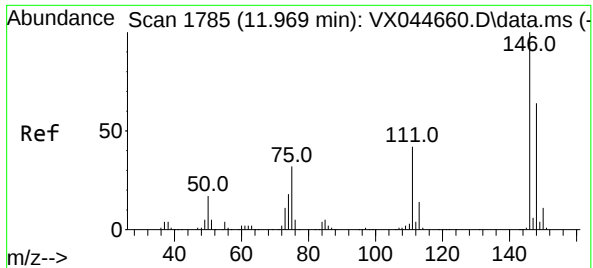


#82
p-Isopropyltoluene
Concen: 22.563 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33



Tgt Ion:119 Resp: 134700
Ion Ratio Lower Upper
119 100
134 25.6 0.0 52.2
91 23.7 0.0 50.2





#83

1,3-Dichlorobenzene

Concen: 22.063 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion:146 Resp: 66479

Ion Ratio Lower Upper

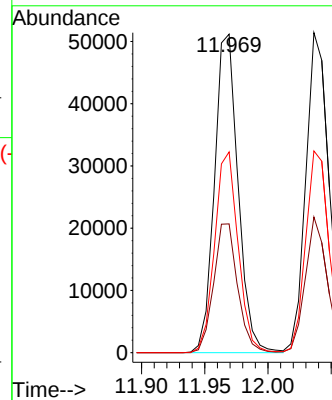
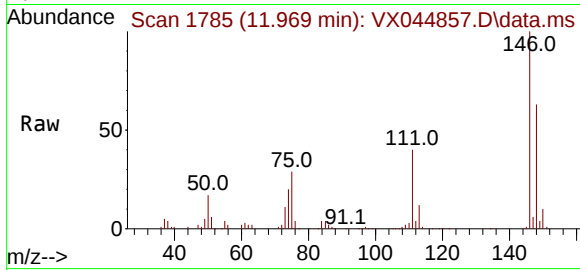
146 100

111 40.6 21.6 64.6

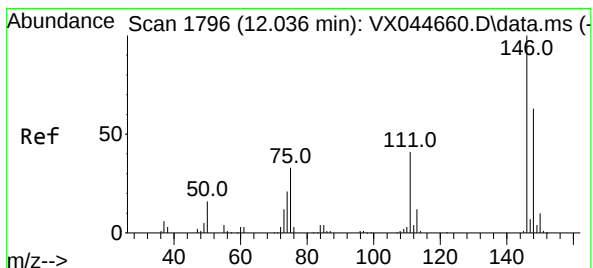
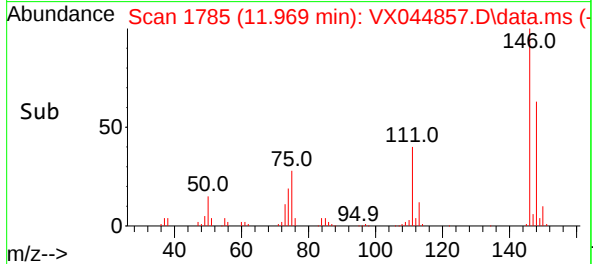
148 62.7 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#84

1,4-Dichlorobenzene

Concen: 22.155 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

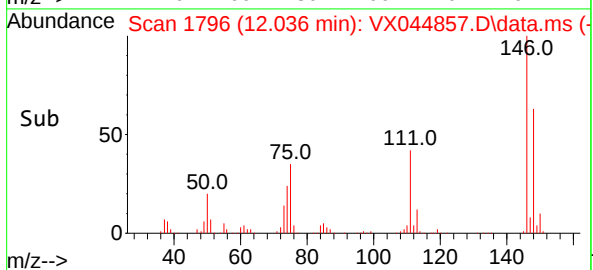
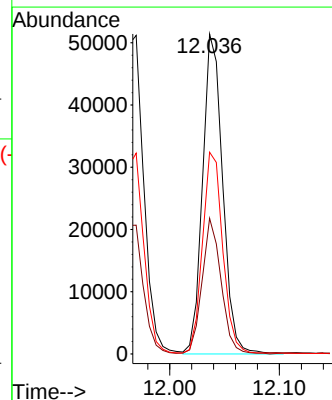
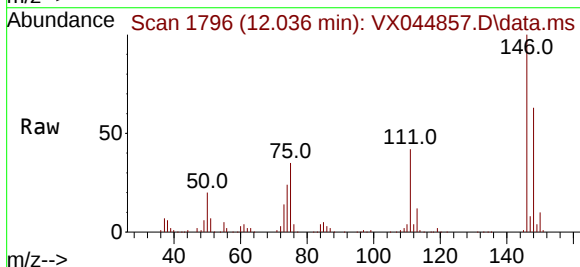
Tgt Ion:146 Resp: 65439

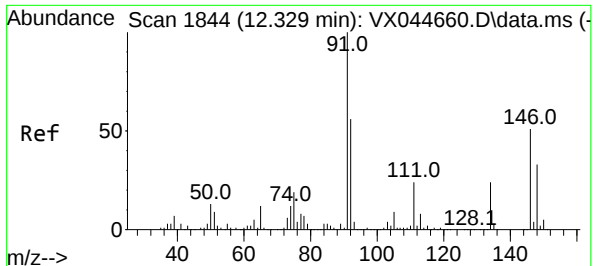
Ion Ratio Lower Upper

146 100

111 40.2 20.8 62.5

148 63.1 32.1 96.5





#85

n-Butylbenzene

Concen: 23.362 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion: 91 Resp: 12090

Ion Ratio Lower Upper

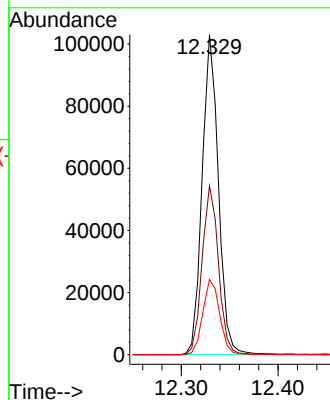
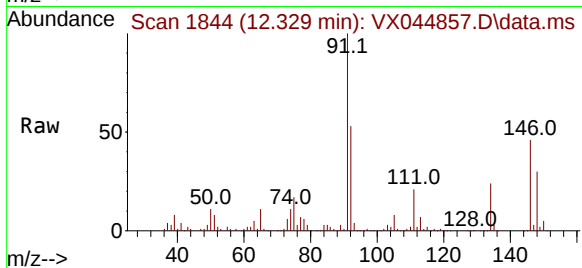
91 100

92 53.0 0.0 109.4

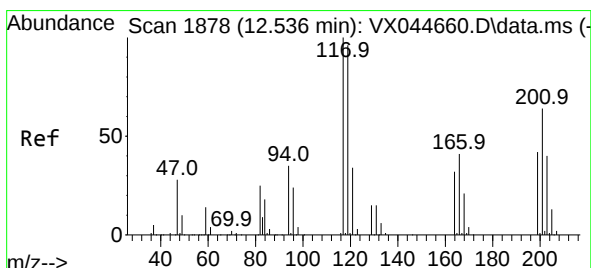
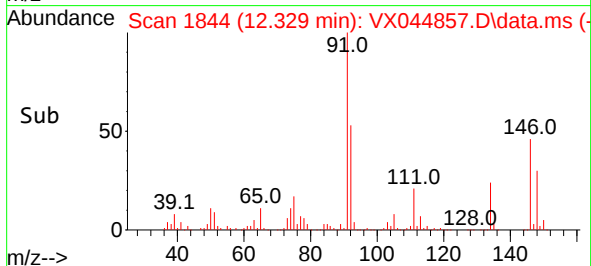
134 24.5 0.0 49.2

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#86

Hexachloroethane

Concen: 18.555 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044857.D

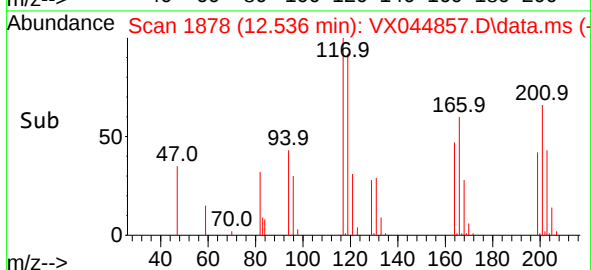
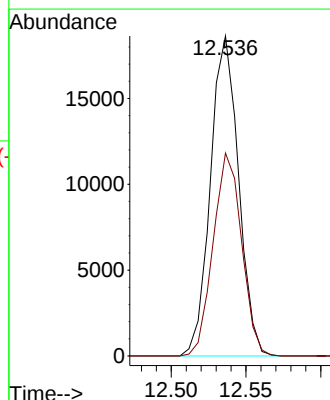
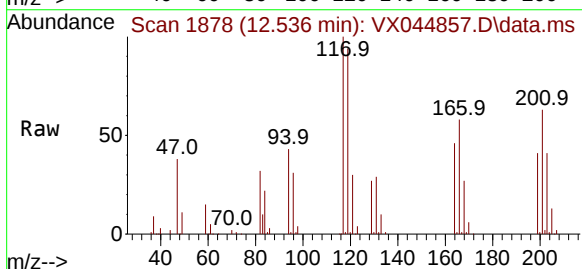
Acq: 07 Feb 2025 10:33

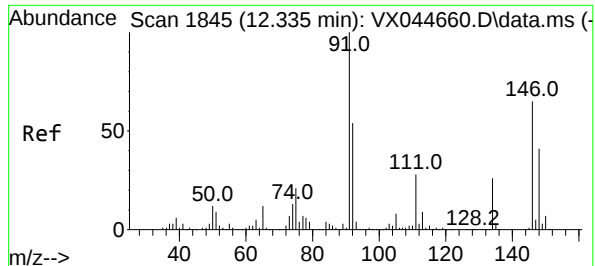
Tgt Ion:117 Resp: 24368

Ion Ratio Lower Upper

117 100

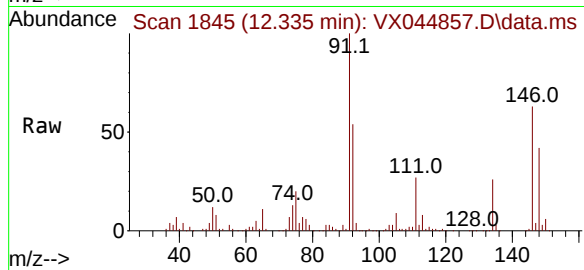
201 64.1 33.0 98.9





#87
1,2-Dichlorobenzene
Concen: 21.910 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

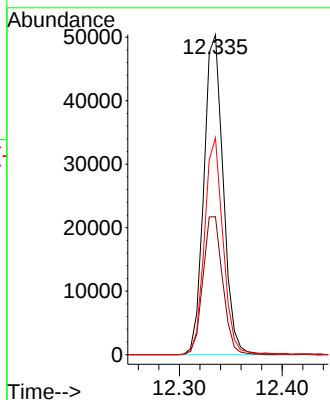
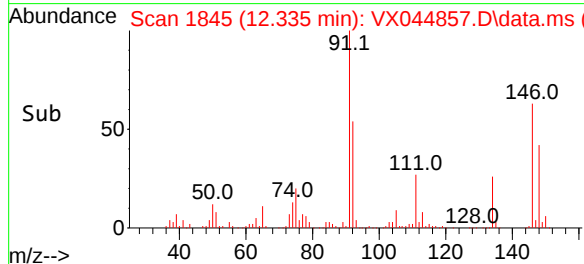
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBS01



Tgt Ion:146 Resp: 65920
Ion Ratio Lower Upper
146 100
111 44.0 22.2 66.6
148 65.3 32.1 96.3

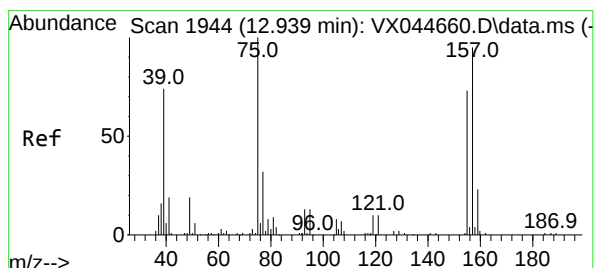
Manual Integrations
APPROVED

Reviewed By :John
Carlone



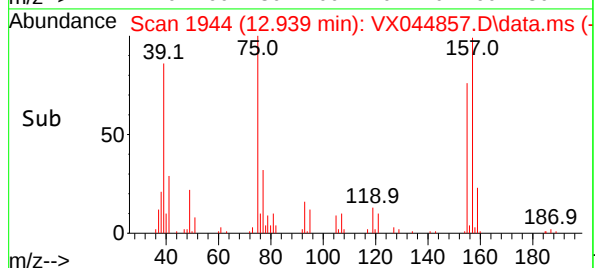
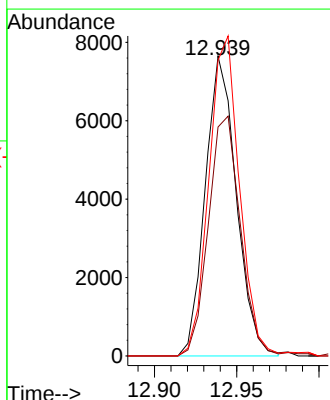
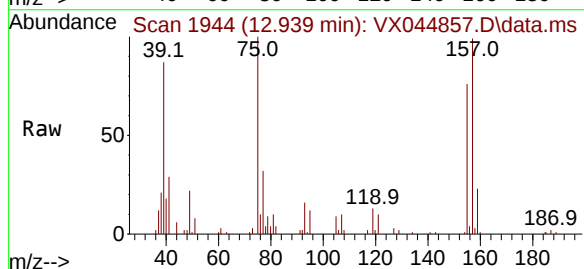
02/10/2025
Supervised By :Mahesh
Dadoda

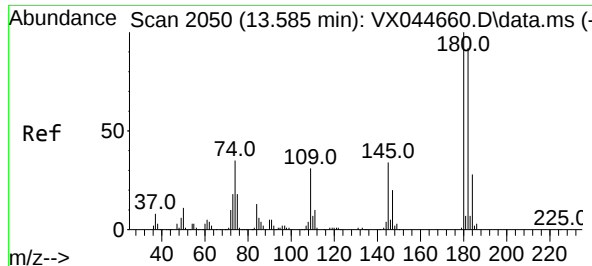
02/10/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 17.029 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044857.D
Acq: 07 Feb 2025 10:33

Tgt Ion: 75 Resp: 10040
Ion Ratio Lower Upper
75 100
155 82.2 62.3 93.5
157 105.1 79.9 119.9





#89

1,2,4-Trichlorobenzene

Concen: 21.104 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion:180 Resp: 39458

Ion Ratio Lower Upper

180 100

182 95.3 75.6 113.4

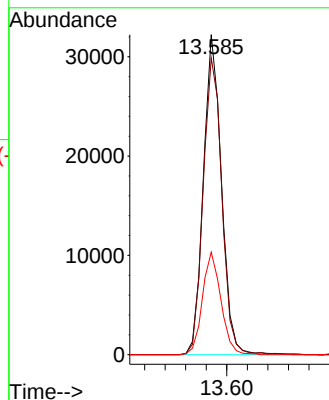
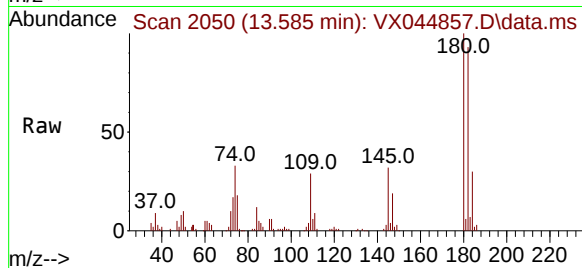
145 32.7 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :John

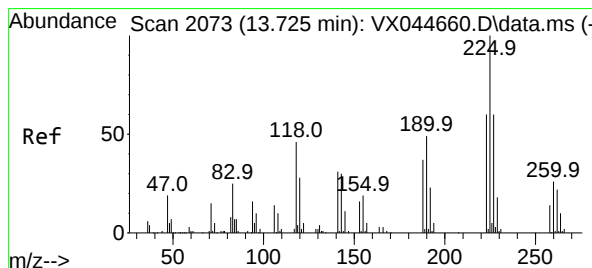
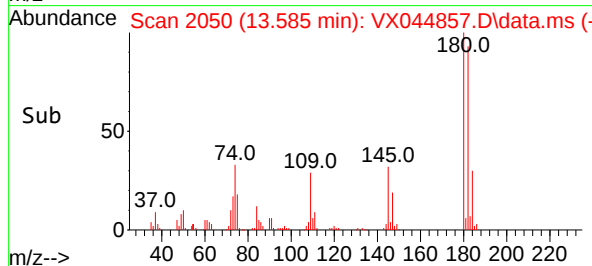
Carlone



02/10/2025

Supervised By :Mahesh
Dadoda

02/10/2025



#90

Hexachlorobutadiene

Concen: 22.117 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

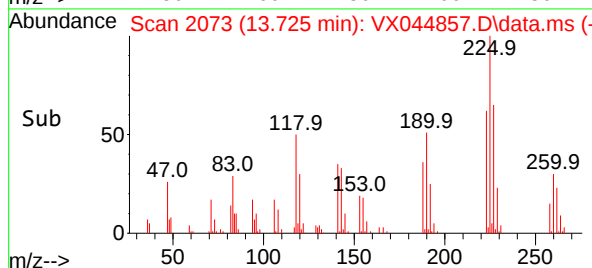
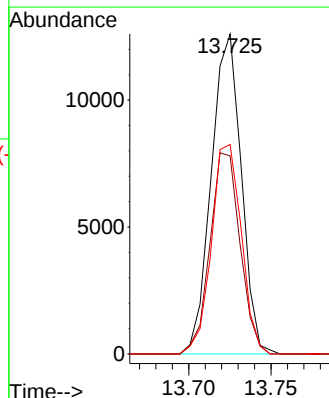
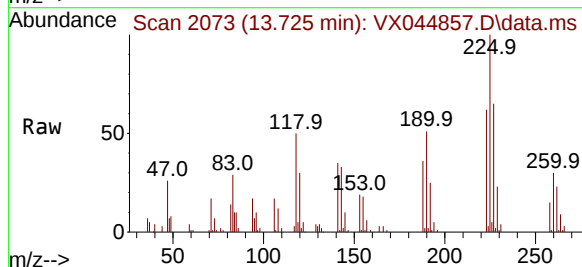
Tgt Ion:225 Resp: 15995

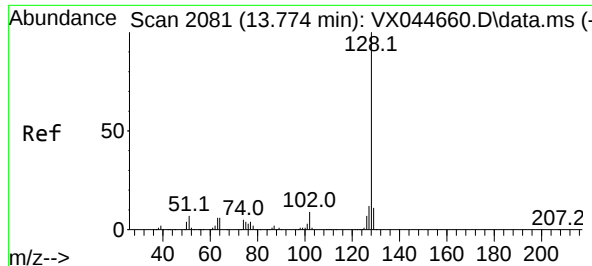
Ion Ratio Lower Upper

225 100

223 63.2 0.0 123.0

227 65.3 0.0 124.2





#91

Naphthalene

Concen: 20.497 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBS01

Tgt Ion:128 Resp: 143375

Ion Ratio Lower Upper

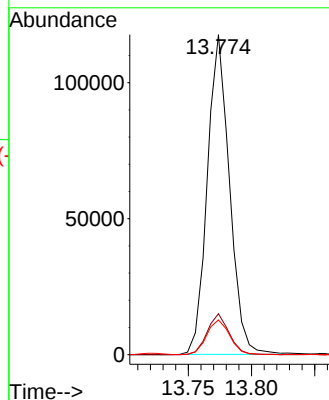
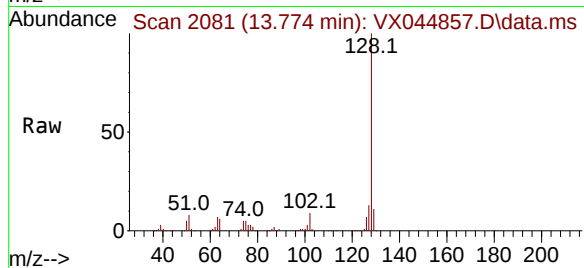
128 100

127 12.7 10.2 15.4

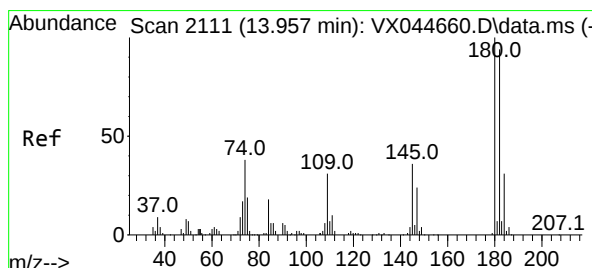
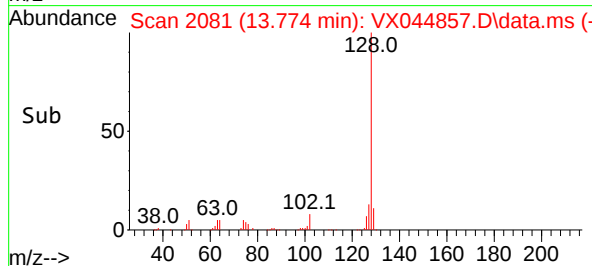
129 11.3 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :John
Carlone02/10/2025
Supervised By :Mahesh
Dadoda

02/10/2025



#92

1,2,3-Trichlorobenzene

Concen: 20.695 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX044857.D

Acq: 07 Feb 2025 10:33

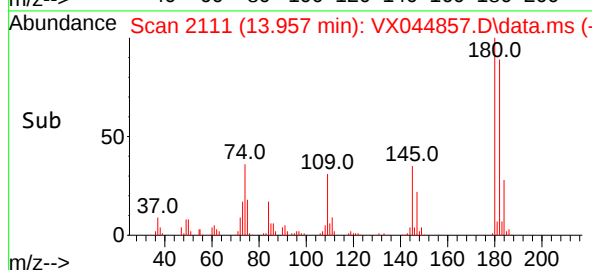
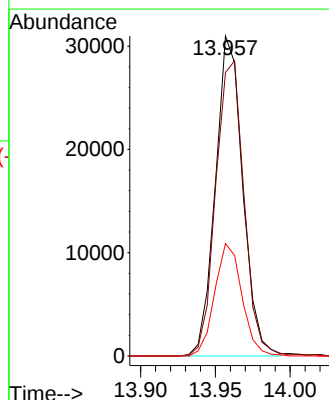
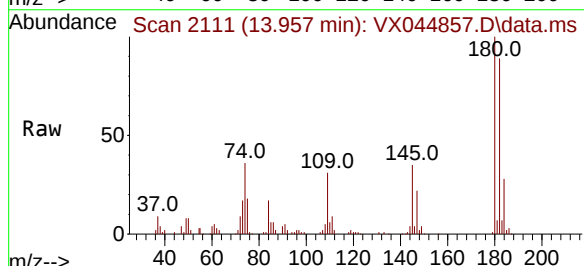
Tgt Ion:180 Resp: 39356

Ion Ratio Lower Upper

180 100

182 95.1 0.0 187.8

145 35.1 0.0 69.8



Report of Analysis

Client:	Tully Environmental, Inc			Date Collected:	
Project:	Transfer Station-SPDES			Date Received:	
Client Sample ID:	VX0207WBSD01			SDG No.:	Q1319
Lab Sample ID:	VX0207WBSD01			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:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX044858.D	1		02/07/25 11:01	VX020725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	21.6		0.69	5.00	ug/L
108-88-3	Toluene	20.7		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	20.8		0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	42.8		1.70	10.0	ug/L
95-47-6	o-Xylene	21.2		0.82	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.4		91 - 110	98%	SPK: 30
2037-26-5	Toluene-d8	29.3		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.1		63 - 112	97%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	19400	4.891			
540-36-3	1,4-Difluorobenzene	109000	6.757			
3114-55-4	Chlorobenzene-d5	100000	10.049			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044858.D
 Acq On : 07 Feb 2025 11:01
 Operator : JC/MD
 Sample : VX0207WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/10/2025
 Supervised By : Mahesh Dadoda 02/10/2025

Quant Time: Feb 07 22:12:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	19387	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	108776	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	100274	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	54944	29.357	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.867%		
60) 4-Bromofluorobenzene	11.079	95	56701	29.112	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.033%		
63) Toluene-d8	8.641	98	159762	29.293	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.633%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	33152	19.233	ug/l	99
3) Chloromethane	1.307	50	38966	21.490	ug/l	100
4) Vinyl Chloride	1.374	62	37050	20.884	ug/l	95
5) Bromomethane	1.593	94	11280	26.308	ug/l	98
6) Chloroethane	1.666	64	16532	58.771	ug/l	98
7) Trichlorofluoromethane	1.874	101	50189	25.832	ug/l	99
8) Diethyl Ether	2.130	74	18178	24.253	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.319	101	30827	22.147	ug/l	98
10) 1,1-Dichloroethene	2.313	96	29538	20.627	ug/l	96
11) Methyl Iodide	2.441	142	40268	20.292	ug/l	98
12) Methyl Acetate	2.703	43	56433	26.994	ug/l	97
13) Acrolein	2.233	56	26121	112.982	ug/l	95
14) Acrylonitrile	3.062	53	94236	123.702	ug/l	99
15) Acetone	2.380	58	24954	122.075	ug/l	93
16) Carbon Disulfide	2.502	76	76823	19.304	ug/l	99
17) Allyl chloride	2.654	41	55543	21.508	ug/l	98
18) Methylene Chloride	2.782	84	34295	21.400	ug/l	99
19) trans-1,2-Dichloroethene	3.081	96	29580	20.774	ug/l	94
20) Diisopropyl ether	3.757	45	107582	22.952	ug/l	98
21) 1,1-Dichloroethane	3.599	63	60203	21.652	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	36815	20.890	ug/l	99
23) tert-Butyl Alcohol	2.977	59	38849	105.436	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	102320	20.622	ug/l	98
25) Chloroform	5.086	83	58027	21.003	ug/l	96
26) Cyclohexane	5.458	56	52961	22.663	ug/l #	95
29) 1,1-Dichloropropene	5.684	75	39119	20.676	ug/l	98
30) 2-Butanone	4.550	43	128179	123.328	ug/l	98
31) 2,2-Dichloropropane	4.458	77	48388	18.481	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	48894	19.500	ug/l	98
33) Carbon Tetrachloride	5.666	117	40187	19.000	ug/l	98
34) Benzene	6.031	78	130454	21.611	ug/l	99
35) Methacrylonitrile	4.916	41	26704	22.989	ug/l	99
36) 1,2-Dichloroethane	6.080	62	43210	20.021	ug/l	98
37) Trichloroethene	7.123	130	29485	20.231	ug/l	98
38) Methylcyclohexane	7.373	83	55315	21.518	ug/l	99
39) 1,2-Dichloropropane	7.427	63	32668	21.702	ug/l	99
40) Dibromomethane	7.574	93	22946	20.504	ug/l	99
41) Bromodichloromethane	7.818	83	45864	19.848	ug/l	95
42) Vinyl Acetate	3.715	43	431167	104.461	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044858.D
 Acq On : 07 Feb 2025 11:01
 Operator : JC/MD
 Sample : VX0207WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/10/2025
 Supervised By : Mahesh Dadoda 02/10/2025

Quant Time: Feb 07 22:12:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	48725	23.899	ug/l	# 94
44) Isopropyl Acetate	6.336	43	79155	21.611	ug/l	98
45) 1,4-Dioxane	7.659	88	16942	485.762	ug/l	97
46) Methyl methacrylate	7.690	41	36954	20.612	ug/l	98
47) n-amyl Acetate	10.841	43	66257	21.555	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	44947	18.429	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	51060	19.524	ug/l	97
50) 1,1,2-Trichloroethane	9.147	97	31771	22.044	ug/l	99
51) Ethyl methacrylate	9.116	69	50623	20.219	ug/l	96
52) 1,3-Dichloropropane	9.305	76	53944	21.640	ug/l	98
53) Dibromochloromethane	9.519	129	32787	19.037	ug/l	95
54) 1,2-Dibromoethane	9.604	107	32244	21.163	ug/l	96
55) 2-Chloroethyl vinyl ether	8.238	63	112529	92.629	ug/l	98
56) Bromoform	10.799	173	21858	19.140	ug/l	99
58) 4-Methyl-2-Pentanone	8.567	43	258658	122.376	ug/l	97
59) 2-Hexanone	9.427	43	189107	122.210	ug/l	97
61) Tetrachloroethene	9.269	164	24082	20.021	ug/l	98
62) Toluene	8.714	91	136850	20.726	ug/l	98
64) Chlorobenzene	10.073	112	84973	20.722	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	27909	18.947	ug/l	98
66) Ethyl Benzene	10.189	91	149546	20.754	ug/l	100
67) m/p-Xylenes	10.299	106	113258	42.760	ug/l	98
68) o-Xylene	10.640	106	56236	21.154	ug/l	97
69) Styrene	10.652	104	94141	21.569	ug/l	98
70) Isopropylbenzene	10.957	105	142933	21.388	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	51489	22.919	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	40966m	21.674	ug/l	
73) Bromobenzene	11.195	156	33221	21.339	ug/l	96
74) n-propylbenzene	11.299	91	168630	22.215	ug/l	99
75) 2-Chlorotoluene	11.360	91	103153	21.615	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	118855	21.900	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	15355	17.172	ug/l	95
78) 4-Chlorotoluene	11.451	91	114553	21.785	ug/l	98
79) tert-butylbenzene	11.713	119	121630	21.815	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	118764	21.689	ug/l	97
81) sec-Butylbenzene	11.890	105	152536	22.911	ug/l	98
82) p-Isopropyltoluene	12.006	119	123258	22.495	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	60048	21.715	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	59871	22.086	ug/l	98
85) n-Butylbenzene	12.329	91	108739	22.894	ug/l	99
86) Hexachloroethane	12.536	117	21606	17.925	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	61041	22.105	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.939	75	9695	17.917	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	34997	20.394	ug/l	99
90) Hexachlorobutadiene	13.719	225	14429	21.738	ug/l	97
91) Naphthalene	13.774	128	133421	20.782	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	36308	20.802	ug/l	100

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

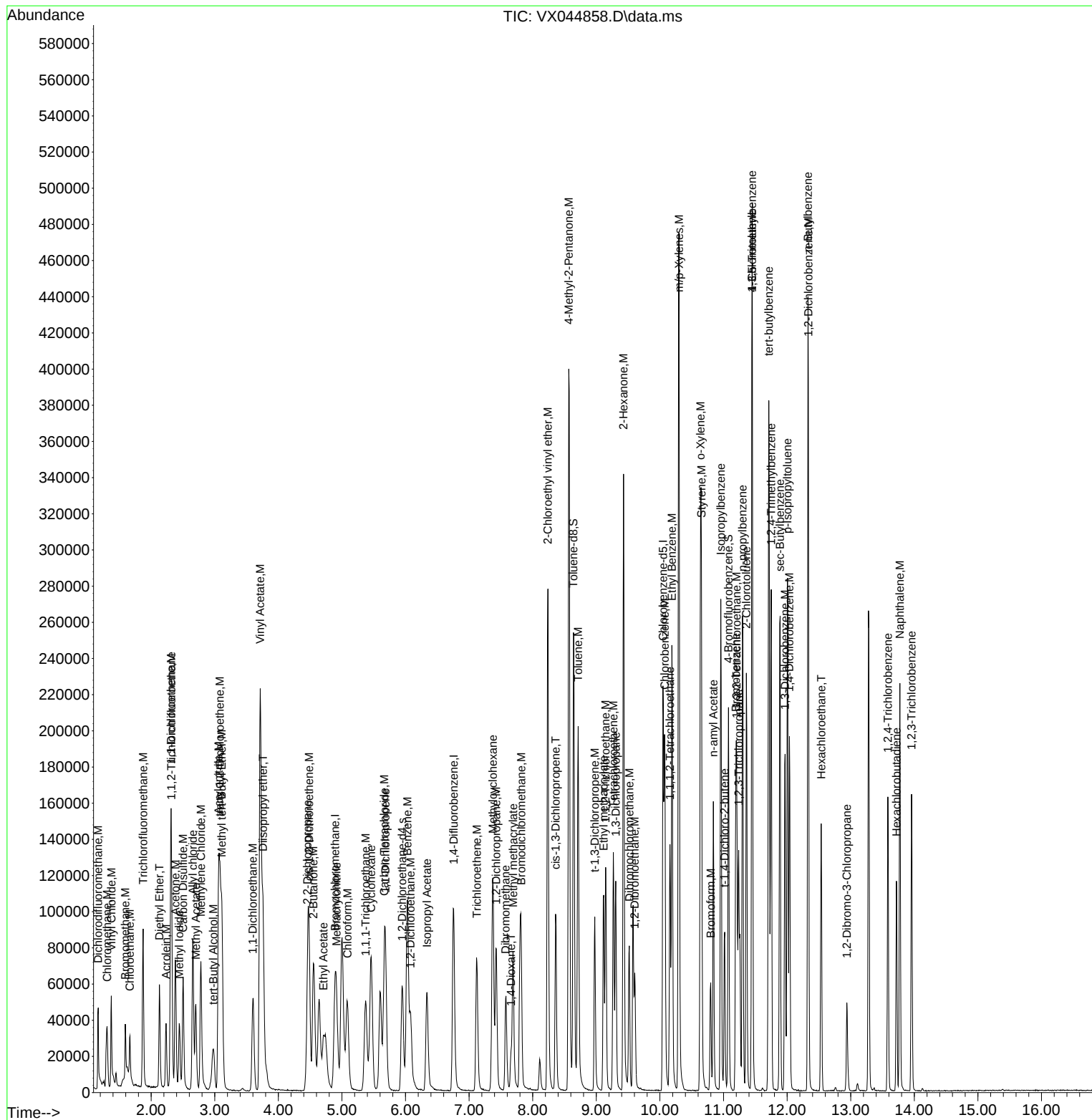
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044858.D
 Acq On : 07 Feb 2025 11:01
 Operator : JC/MD
 Sample : VX0207WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

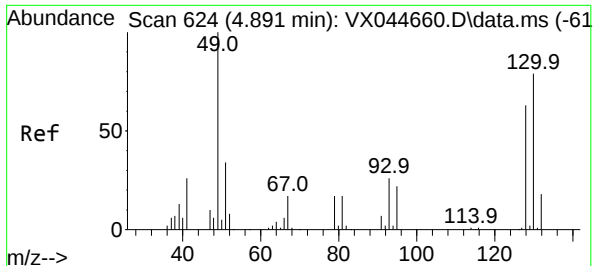
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 02/10/2025
 Supervised By : Mahesh Dadoda 02/10/2025

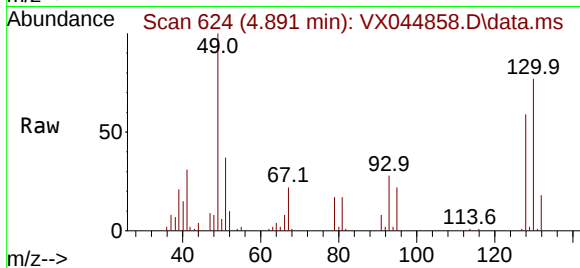
Quant Time: Feb 07 22:12:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

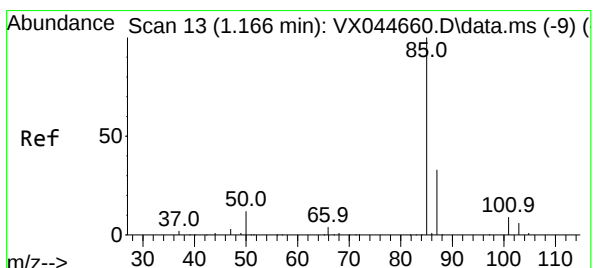
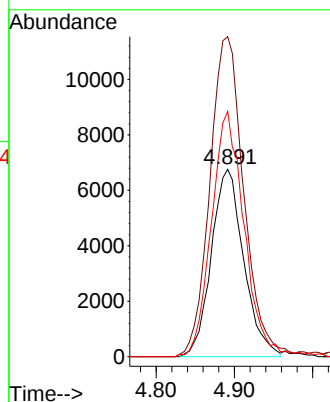
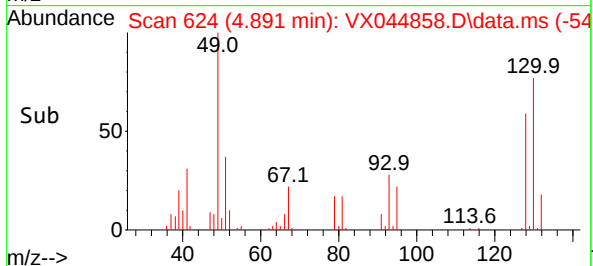
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion:128 Resp: 1938
Ion Ratio Lower Upper
128 100
49 179.2 0.0 411.5
130 131.3 0.0 324.3

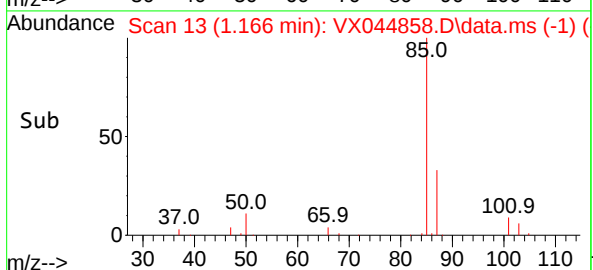
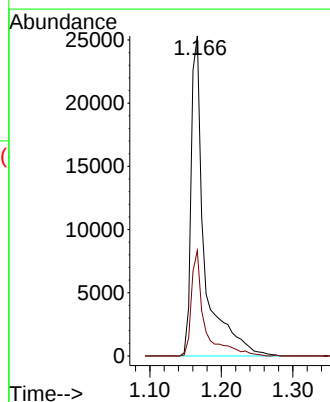
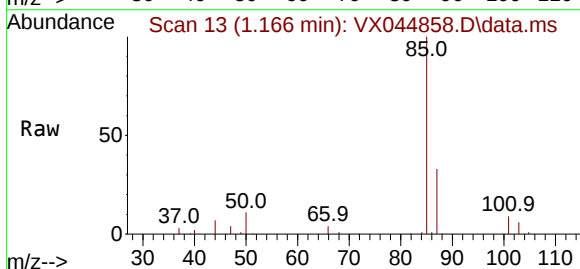
Manual Integrations
APPROVED

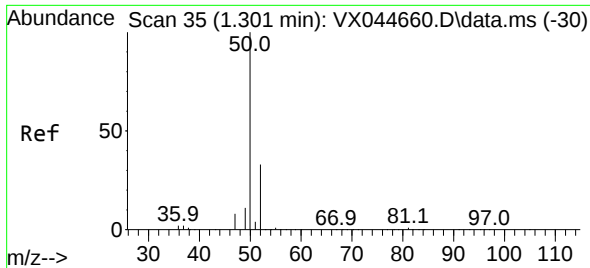
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#2
Dichlorodifluoromethane
Concen: 19.233 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion: 85 Resp: 33152
Ion Ratio Lower Upper
85 100
87 32.9 16.6 49.8





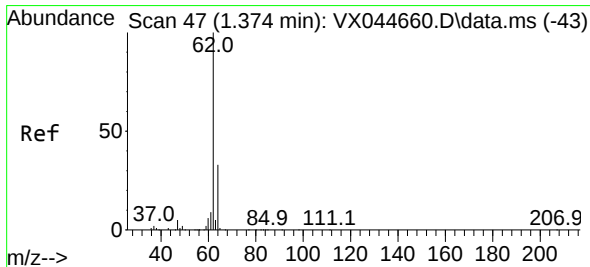
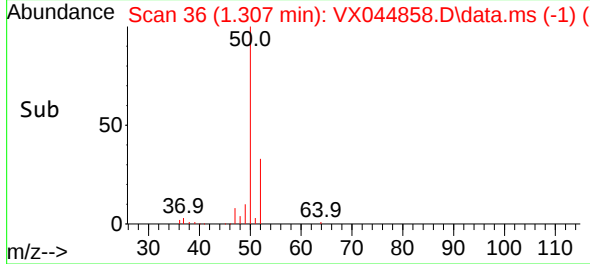
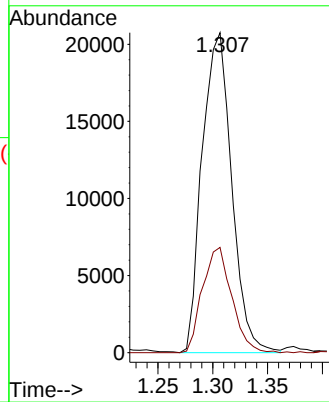
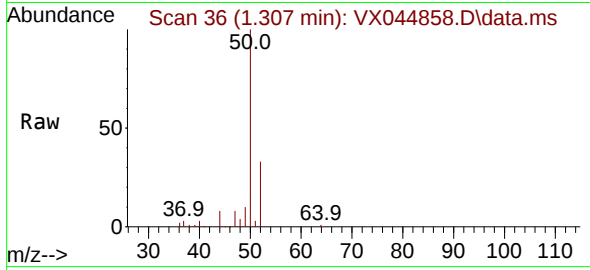
#3
Chloromethane
Concen: 21.490 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01

Tgt Ion: 50 Resp: 3896
Ion Ratio Lower Upper
50 100
52 32.9 26.5 39.7

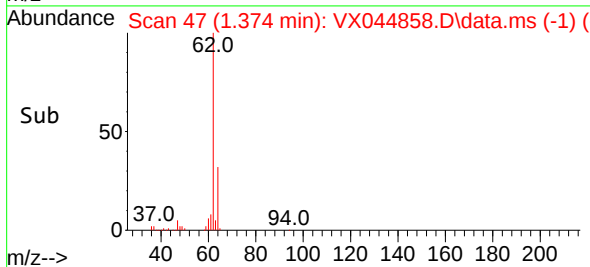
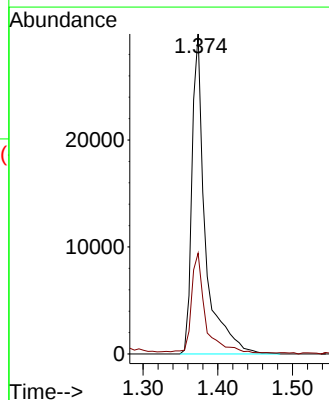
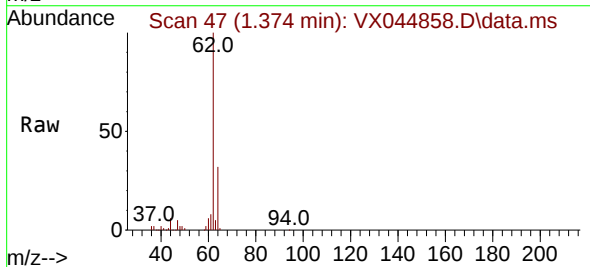
Manual Integrations
APPROVED

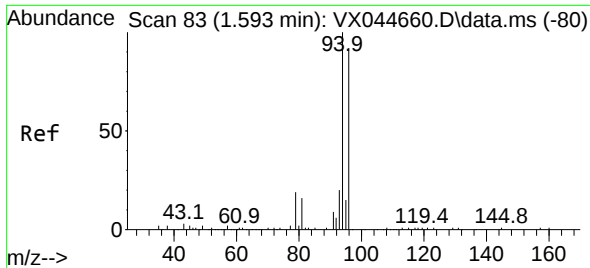
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#4
Vinyl Chloride
Concen: 20.884 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

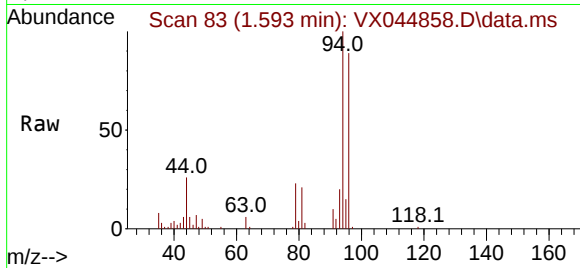
Tgt Ion: 62 Resp: 37050
Ion Ratio Lower Upper
62 100
64 31.1 27.3 40.9





#5
Bromomethane
Concen: 26.308 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

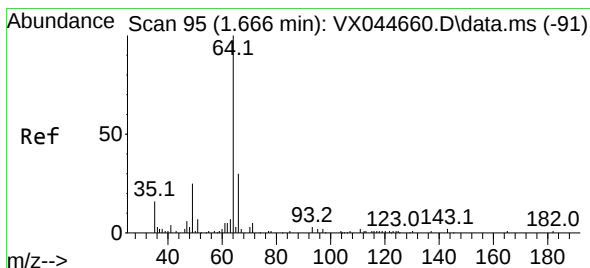
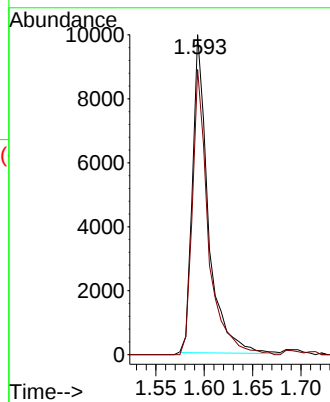
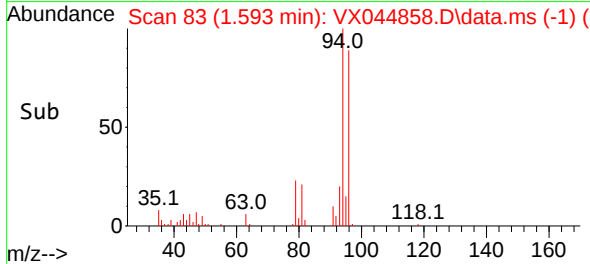
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion: 94 Resp: 11280
Ion Ratio Lower Upper
94 100
96 89.7 73.3 109.9

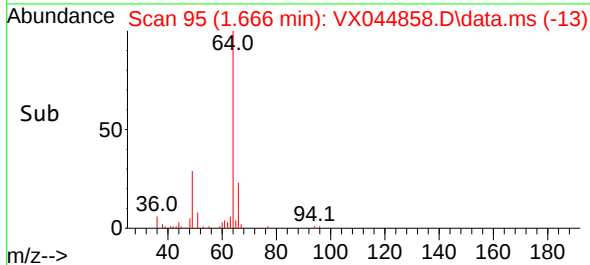
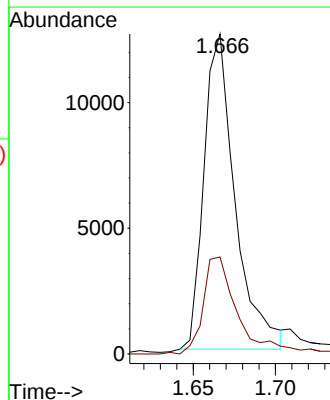
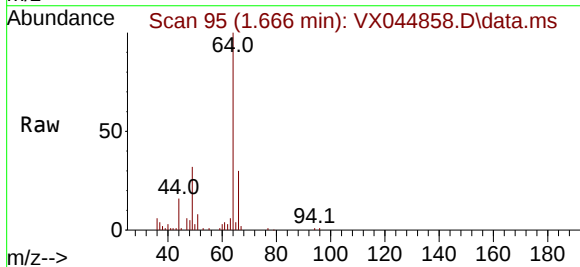
Manual Integrations
APPROVED

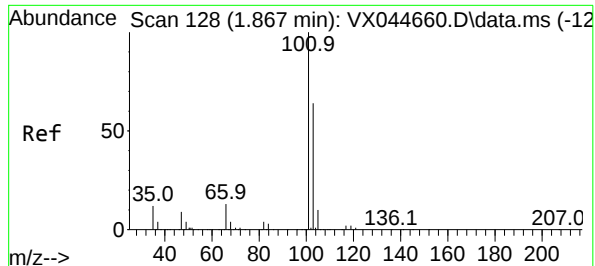
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#6
Chloroethane
Concen: 58.771 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

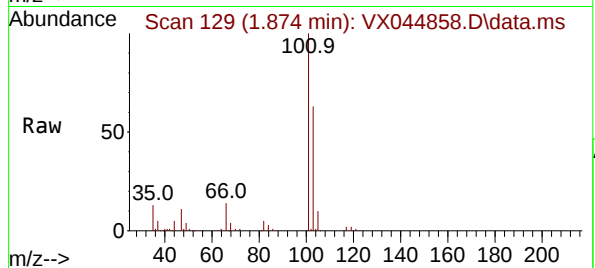
Tgt Ion: 64 Resp: 16532
Ion Ratio Lower Upper
64 100
66 30.8 23.8 35.6





#7
Trichlorofluoromethane
Concen: 25.832 ug/l
RT: 1.874 min Scan# 101
Delta R.T. 0.006 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

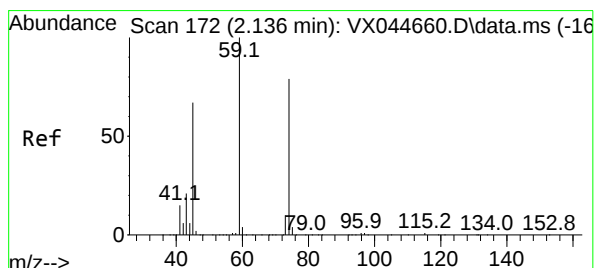
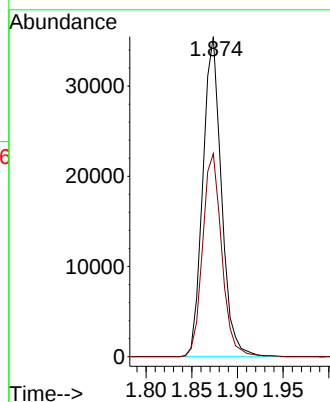
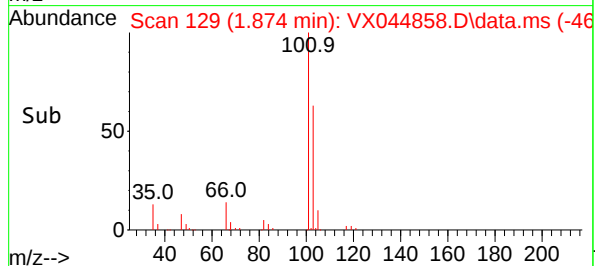
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion:101 Resp: 50189
Ion Ratio Lower Upper
101 100
103 63.4 51.1 76.7

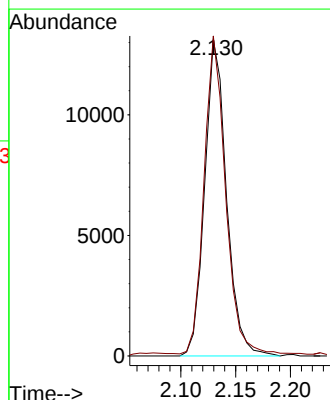
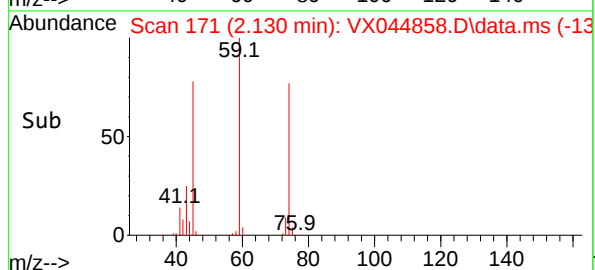
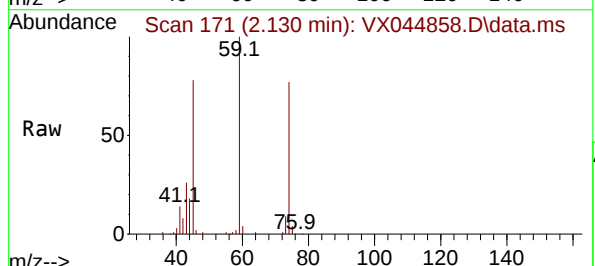
Manual Integrations
APPROVED

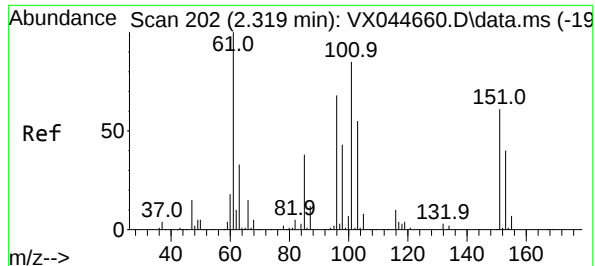
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#8
Diethyl Ether
Concen: 24.253 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion: 74 Resp: 18178
Ion Ratio Lower Upper
74 100
45 100.1 18.8 168.8





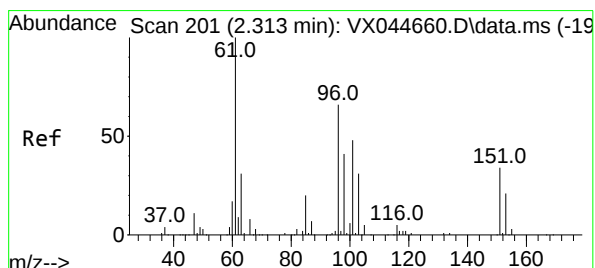
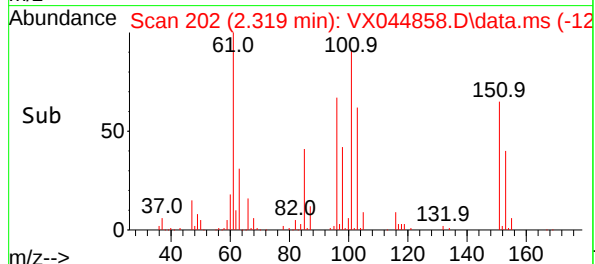
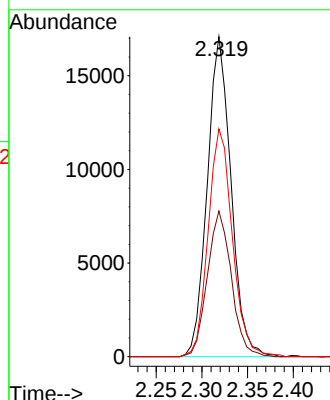
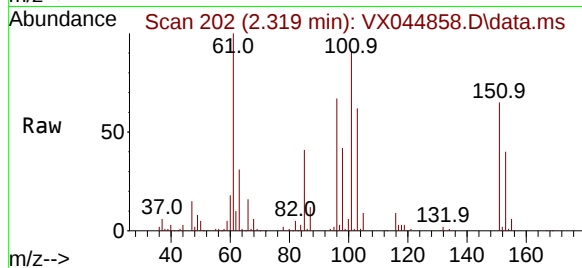
#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.147 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01

Tgt Ion:101 Resp: 3082
Ion Ratio Lower Upper
101 100
85 46.0 0.0 88.0
151 72.8 0.0 147.0

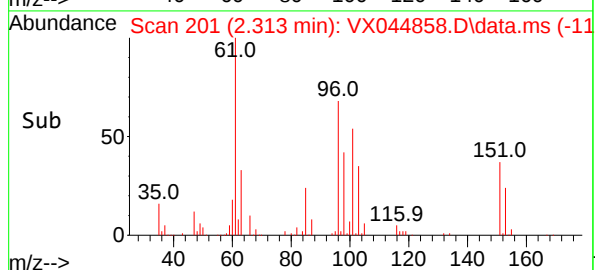
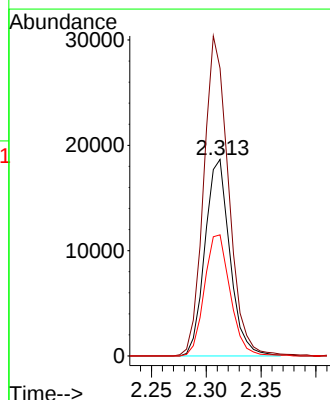
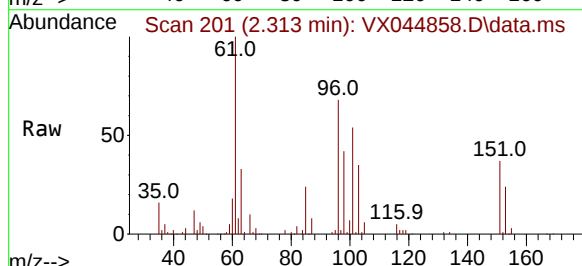
Manual Integrations
APPROVED

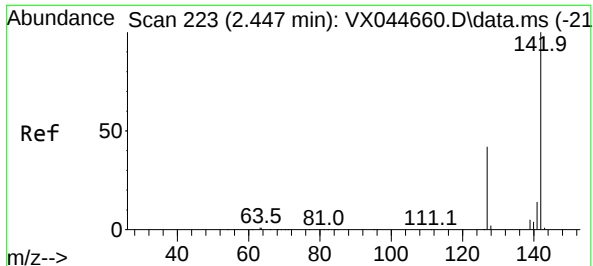
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#10
1,1-Dichloroethene
Concen: 20.627 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion: 96 Resp: 29538
Ion Ratio Lower Upper
96 100
61 145.8 121.6 182.4
98 61.6 50.3 75.5





#11

Methyl Iodide

Concen: 20.292 ug/l

RT: 2.441 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX044858.D

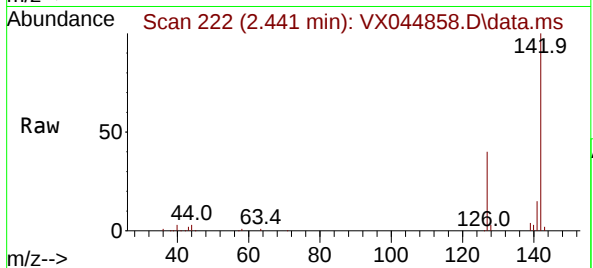
Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01



Tgt Ion:142 Resp: 40268

Ion Ratio Lower Upper

142 100

127 40.0 20.8 62.4

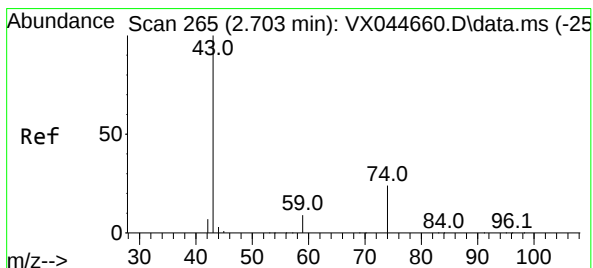
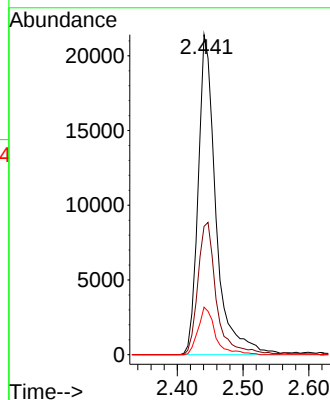
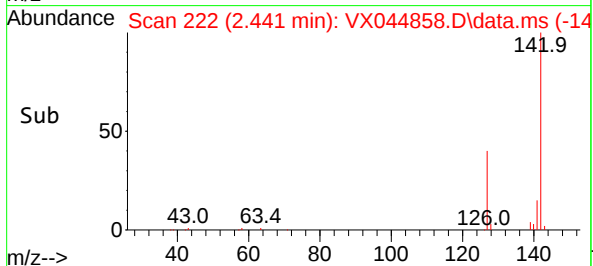
141 14.9 7.0 20.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#12

Methyl Acetate

Concen: 26.994 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX044858.D

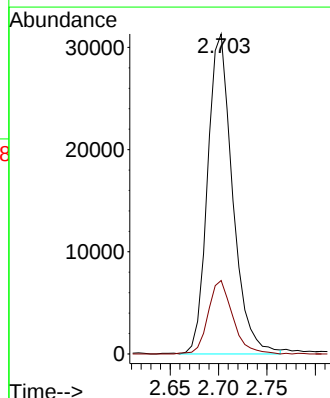
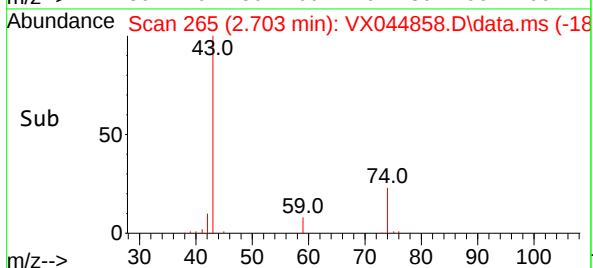
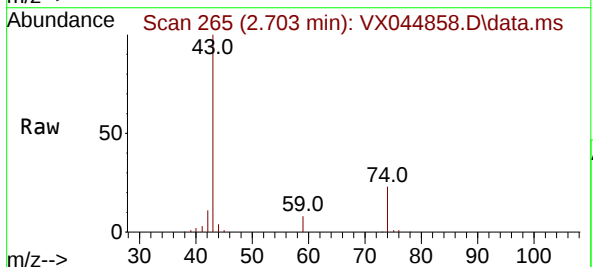
Acq: 07 Feb 2025 11:01

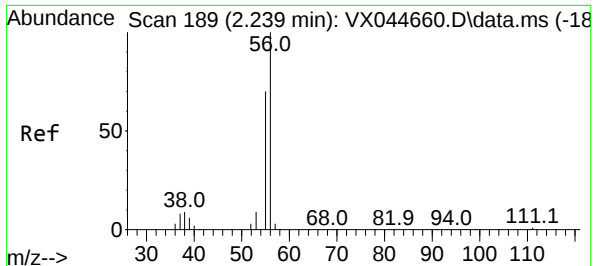
Tgt Ion: 43 Resp: 56433

Ion Ratio Lower Upper

43 100

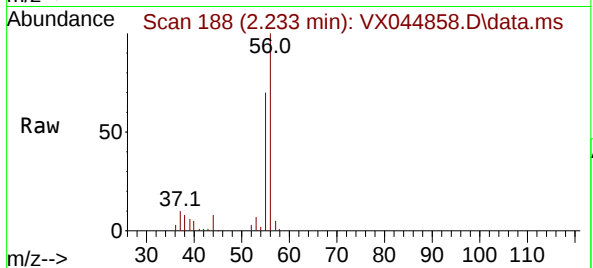
74 22.9 19.4 29.2





#13
Acrolein
Concen: 112.982 ug/l
RT: 2.233 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

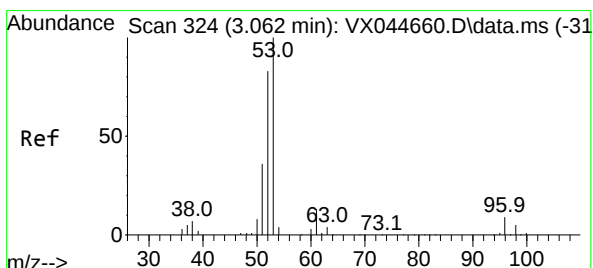
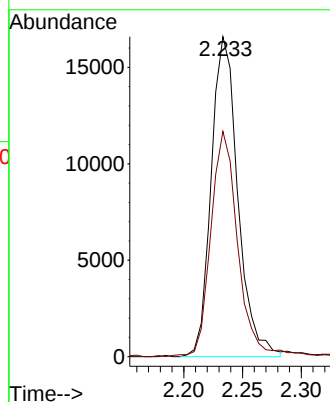
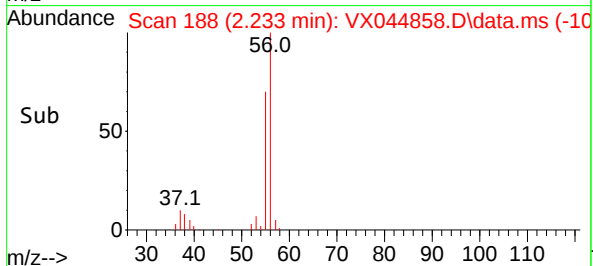
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion: 56 Resp: 2612
Ion Ratio Lower Upper
56 100
55 67.9 57.5 86.3

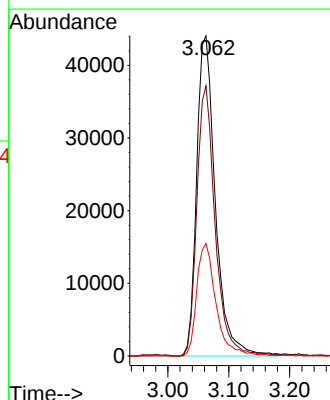
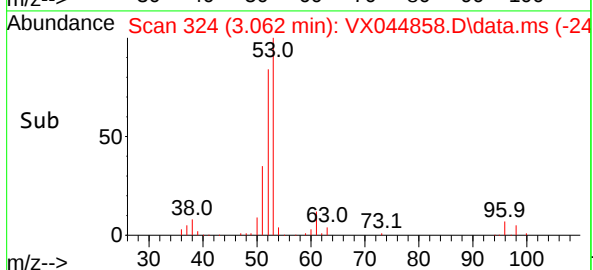
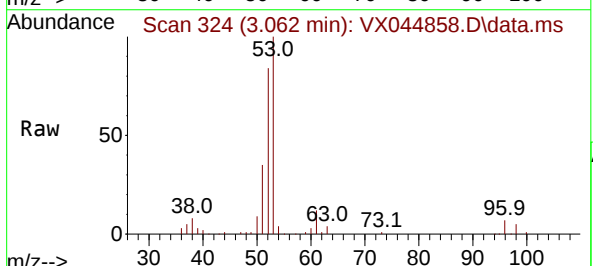
Manual Integrations
APPROVED

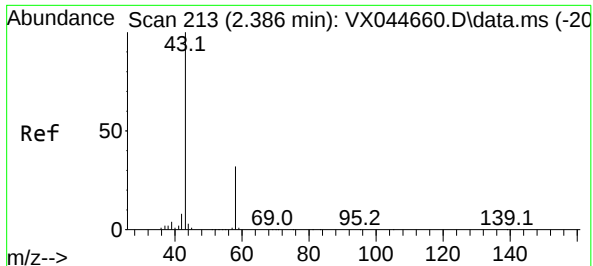
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#14
Acrylonitrile
Concen: 123.702 ug/l
RT: 3.062 min Scan# 324
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

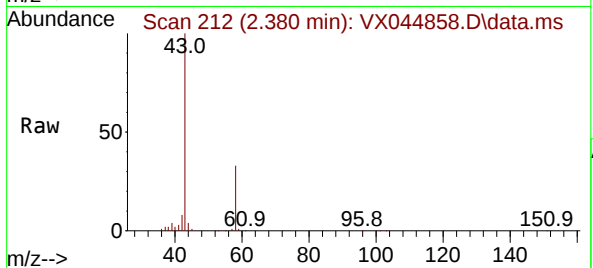
Tgt Ion: 53 Resp: 94236
Ion Ratio Lower Upper
53 100
52 82.0 41.4 124.2
51 35.8 18.1 54.4





#15
Acetone
Concen: 122.075 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

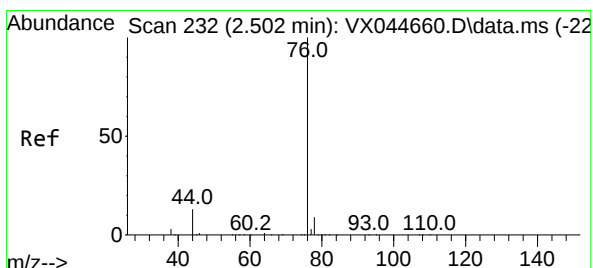
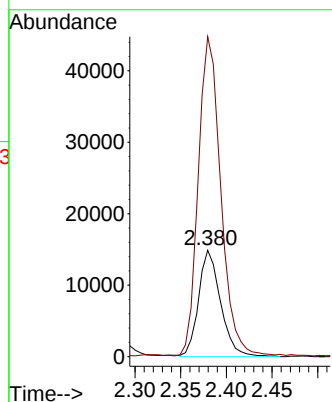
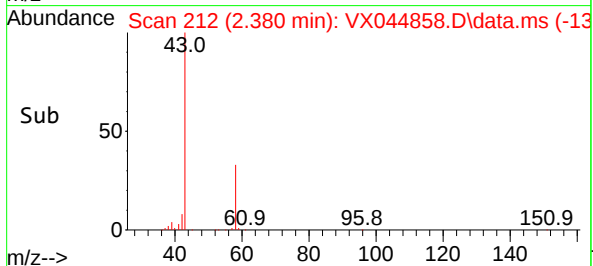
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion: 58 Resp: 24954
Ion Ratio Lower Upper
58 100
43 299.3 251.0 376.4

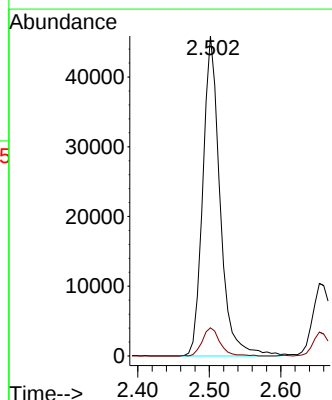
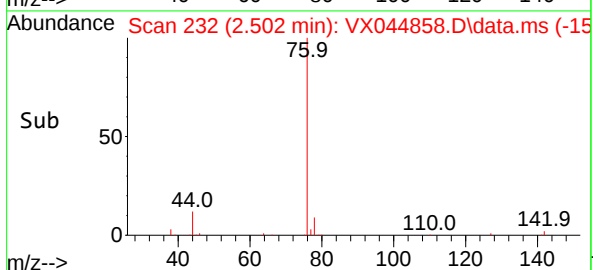
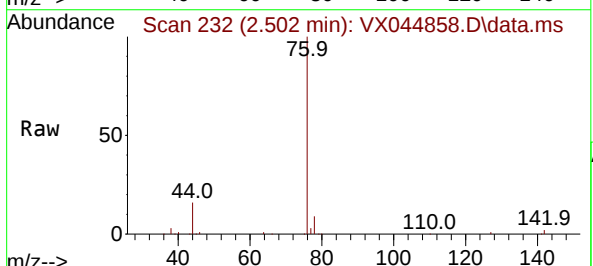
Manual Integrations
APPROVED

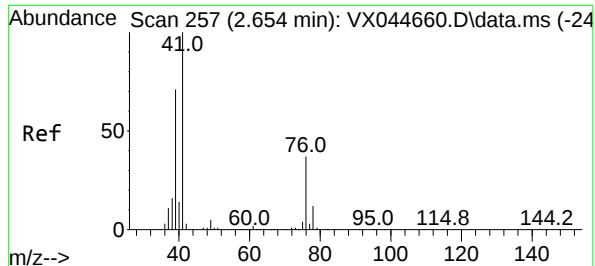
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#16
Carbon Disulfide
Concen: 19.304 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion: 76 Resp: 76823
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9





#17

Allyl chloride

Concen: 21.508 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

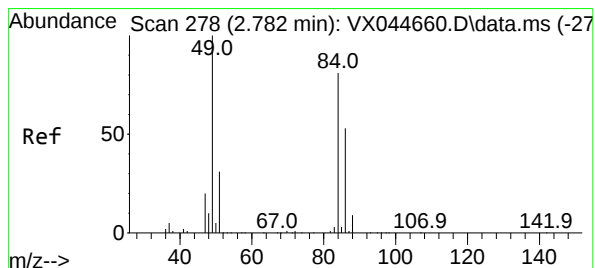
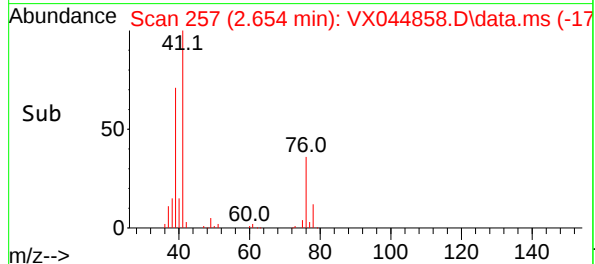
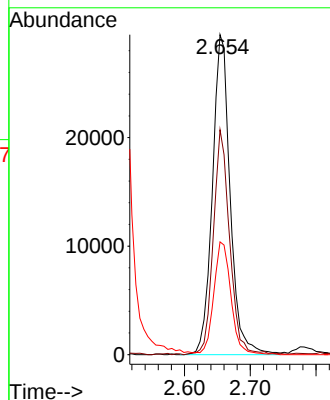
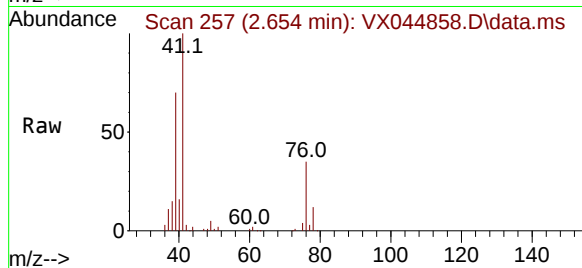
VX0207WBSD01

Tgt Ion:	41	Resp:	5554
Ion	Ratio	Lower	Upper
41	100		
39	70.0	35.6	106.8
76	35.3	18.9	56.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#18

Methylene Chloride

Concen: 21.400 ug/l

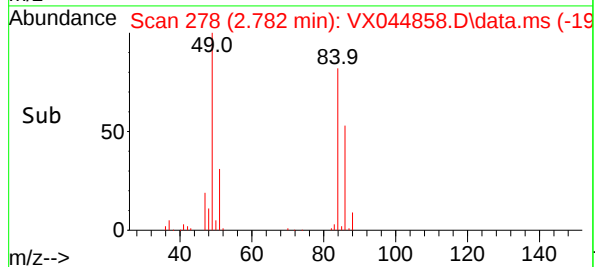
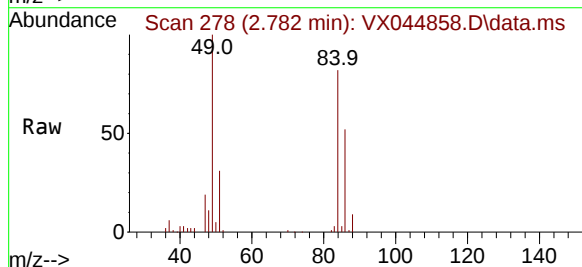
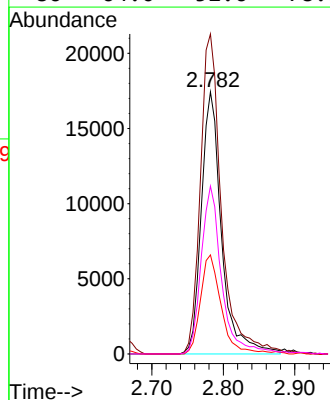
RT: 2.782 min Scan# 278

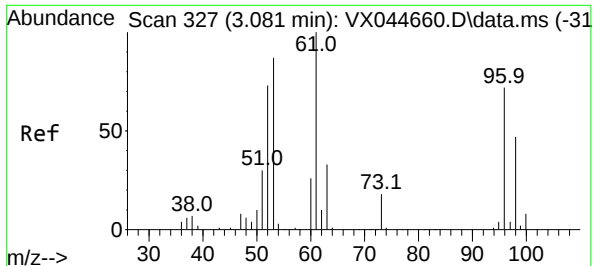
Delta R.T. 0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Tgt Ion:	84	Resp:	34295
Ion	Ratio	Lower	Upper
84	100		
49	122.1	98.3	147.5
51	37.8	30.6	46.0
86	64.0	52.6	78.8





#19

trans-1,2-Dichloroethene

Concen: 20.774 ug/l

RT: 3.081 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

Tgt Ion: 96 Resp: 29580

Ion Ratio Lower Upper

96 100

61 129.4 111.5 167.3

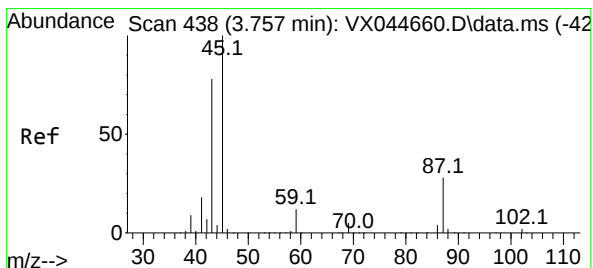
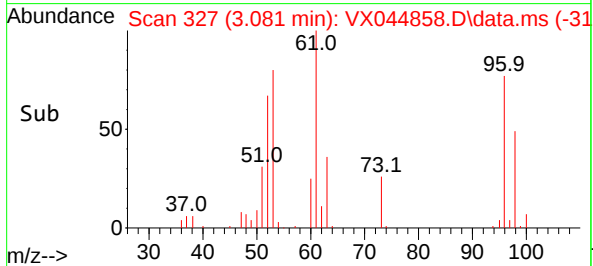
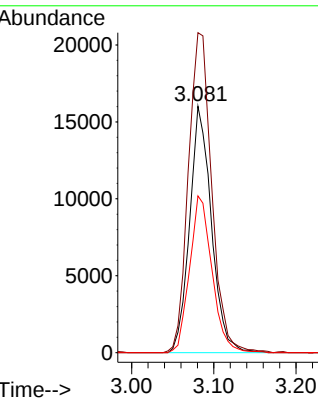
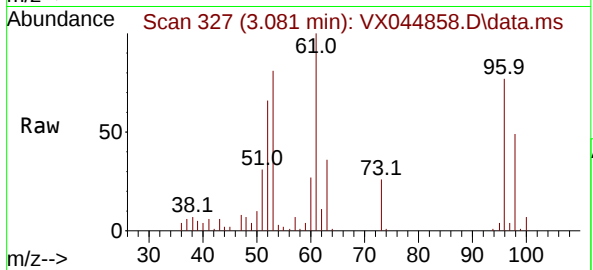
98 63.6 52.6 79.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#20

Diisopropyl ether

Concen: 22.952 ug/l

RT: 3.757 min Scan# 438

Delta R.T. 0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Tgt Ion: 45 Resp: 107582

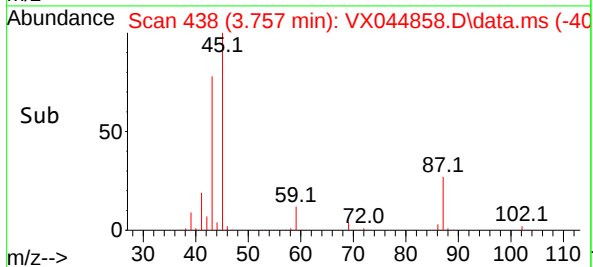
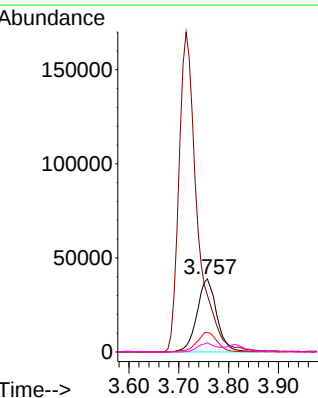
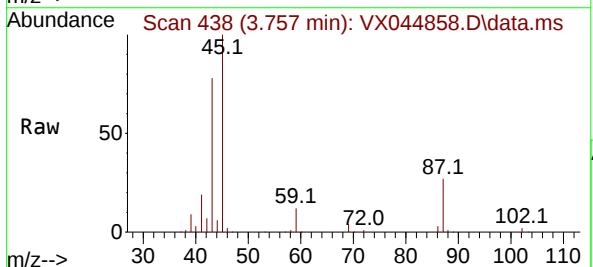
Ion Ratio Lower Upper

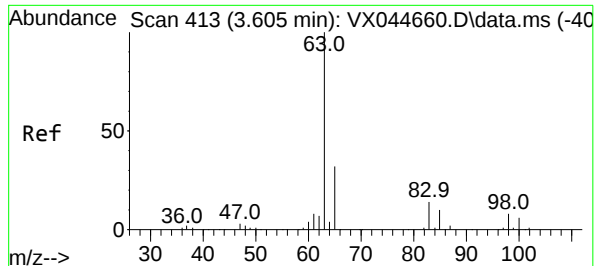
45 100

43 76.4 62.6 94.0

87 26.8 22.7 34.1

59 12.4 9.4 14.2





#21

1,1-Dichloroethane

Concen: 21.652 ug/l

RT: 3.599 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

Tgt Ion: 63 Resp: 6020

Ion Ratio Lower Upper

63 100

98 8.1 4.0 11.9

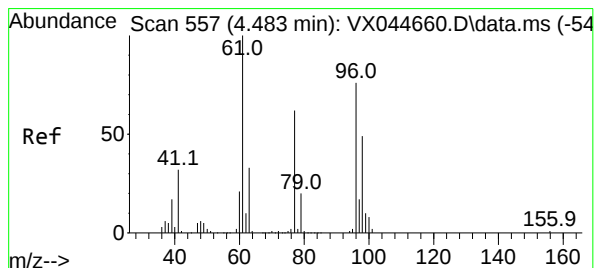
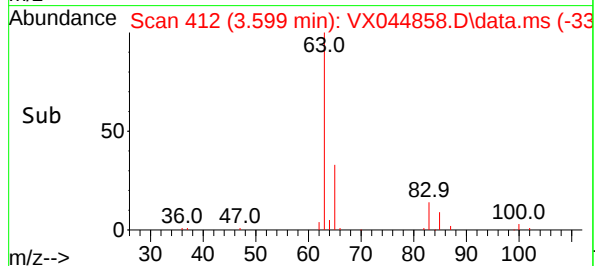
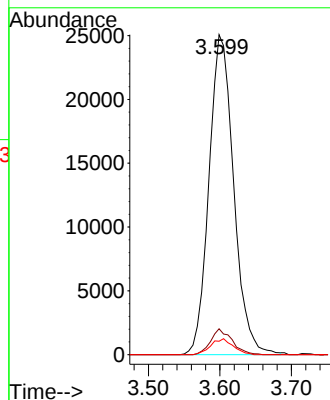
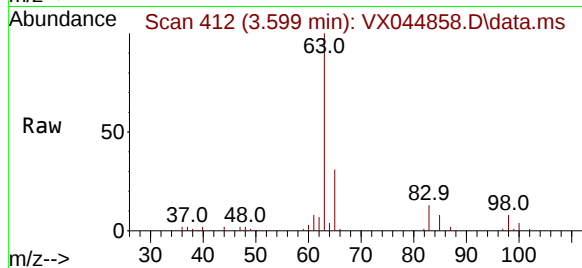
100 4.2 2.8 8.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#22

cis-1,2-Dichloroethene

Concen: 20.890 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

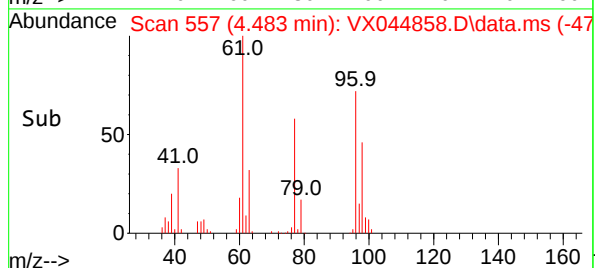
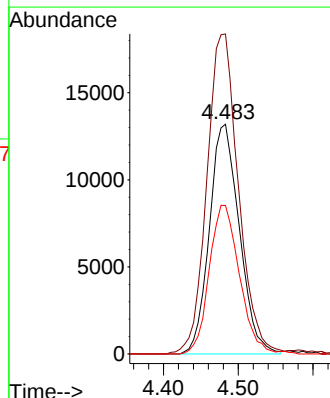
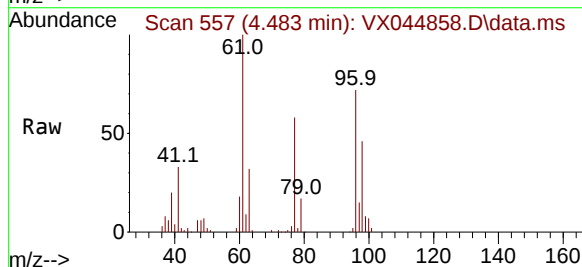
Tgt Ion: 96 Resp: 36815

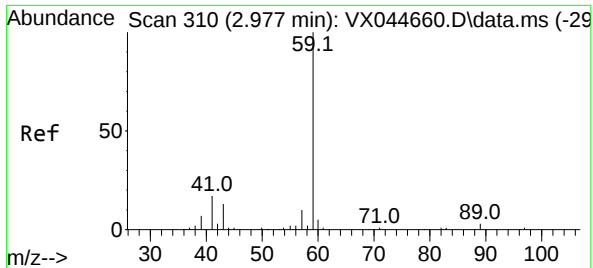
Ion Ratio Lower Upper

96 100

61 146.5 115.2 172.8

98 65.0 51.8 77.6





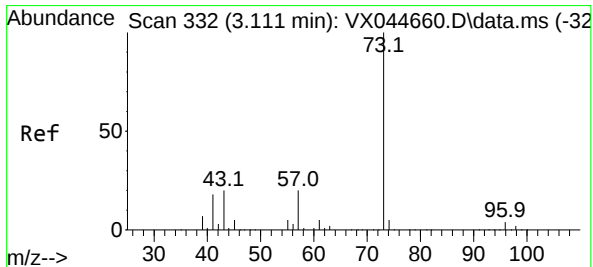
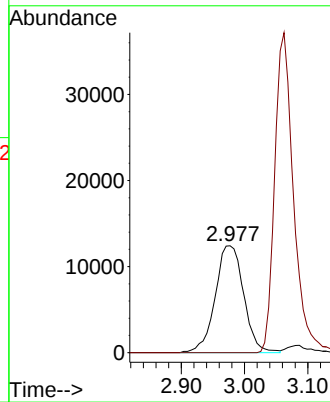
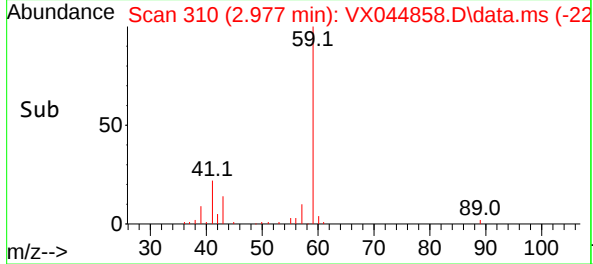
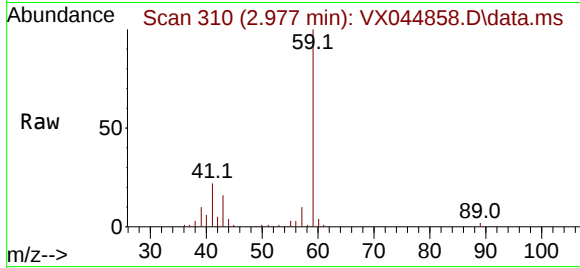
#23
tert-Butyl Alcohol
Concen: 105.436 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01

Tgt Ion: 59 Resp: 38849
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

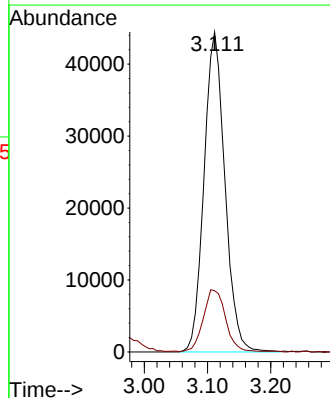
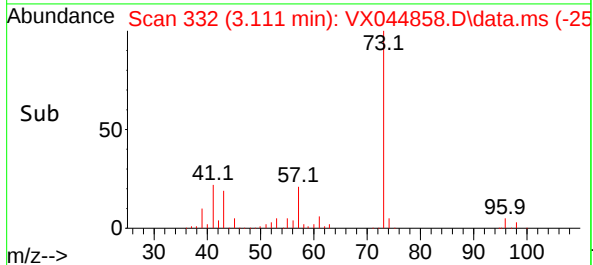
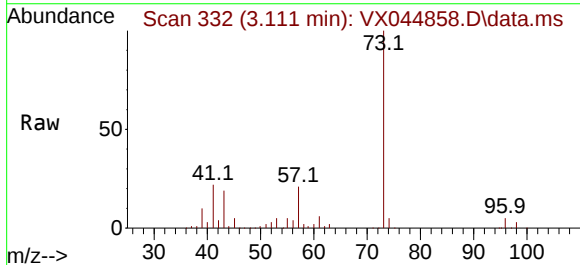
Manual Integrations
APPROVED

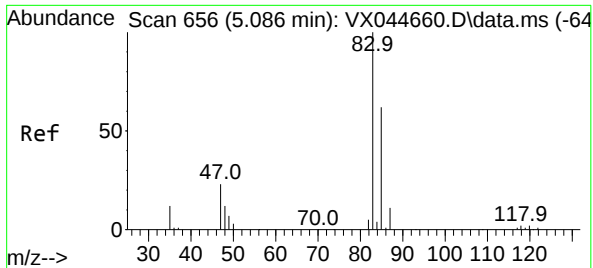
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#24
Methyl tert-Butyl Ether
Concen: 20.622 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion: 73 Resp: 102320
Ion Ratio Lower Upper
73 100
43 20.3 16.9 25.3





#25

Chloroform

Concen: 21.003 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

Tgt Ion: 83 Resp: 5802

Ion Ratio Lower Upper

83 100

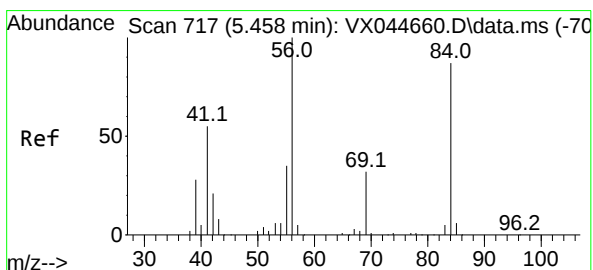
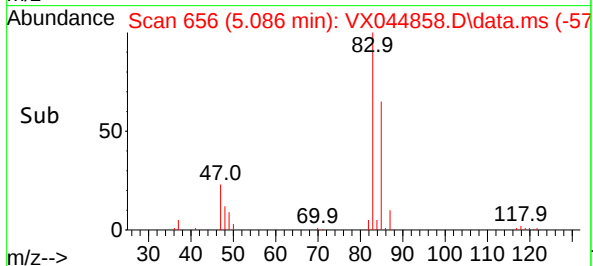
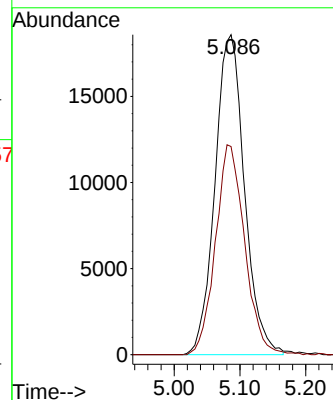
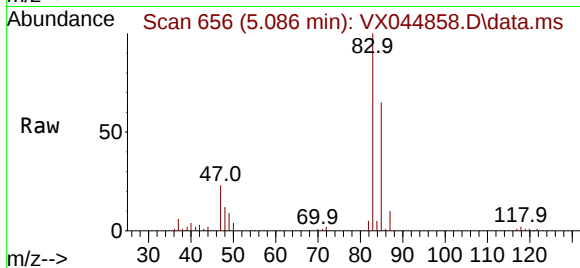
85 65.1 49.4 74.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#26

Cyclohexane

Concen: 22.663 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

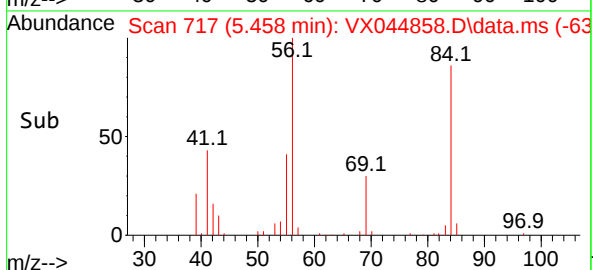
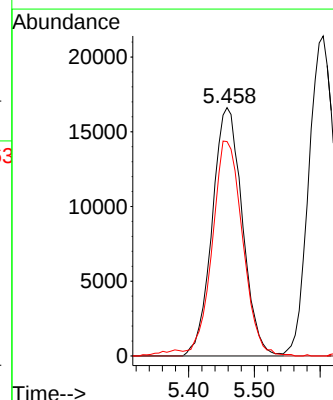
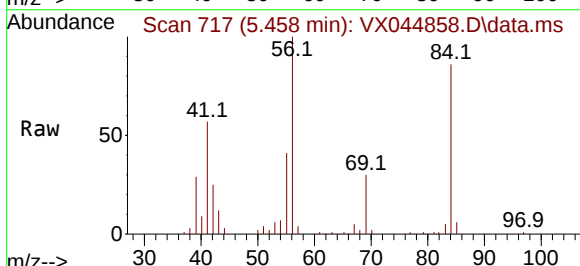
Tgt Ion: 56 Resp: 52961

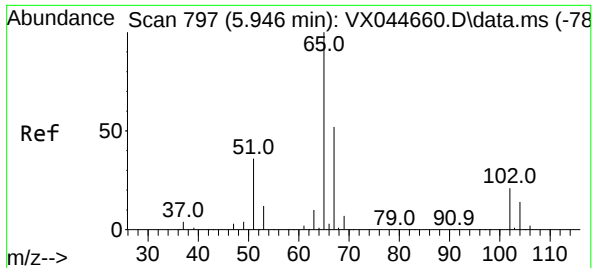
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 85.7 72.2 108.4





#27

1,2-Dichloroethane-d4

Concen: 29.357 ug/l

RT: 5.946 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

Tgt Ion: 65 Resp: 5494

Ion Ratio Lower Upper

65 100

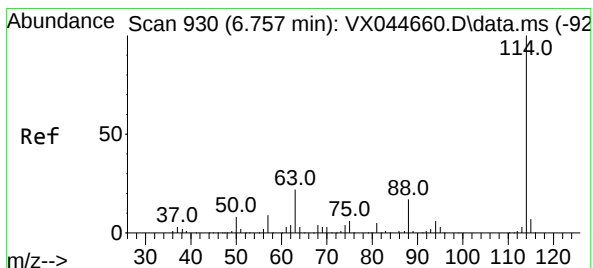
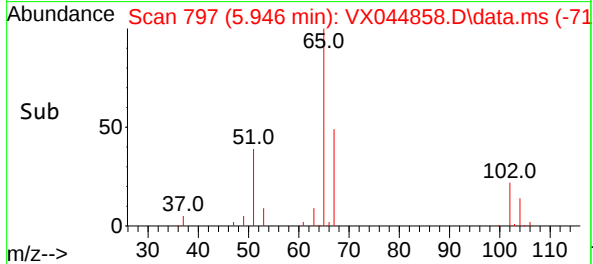
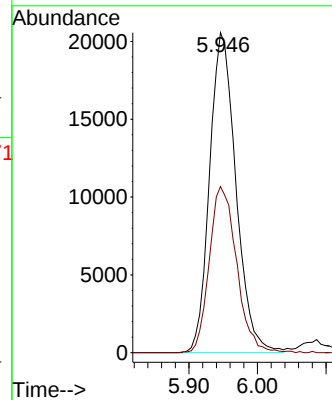
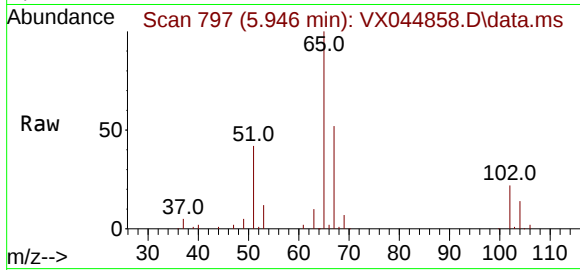
67 53.6 41.4 62.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

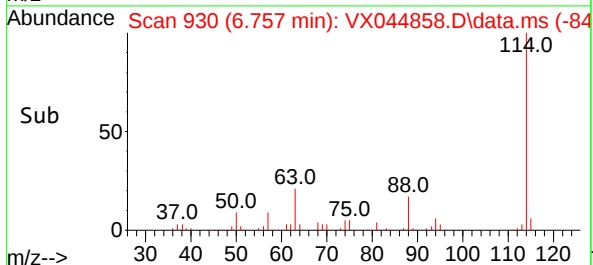
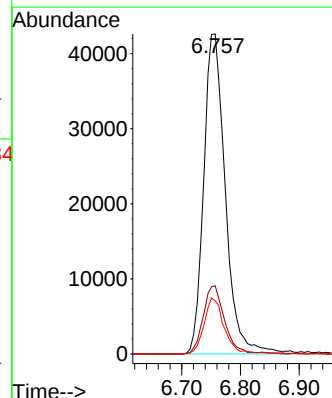
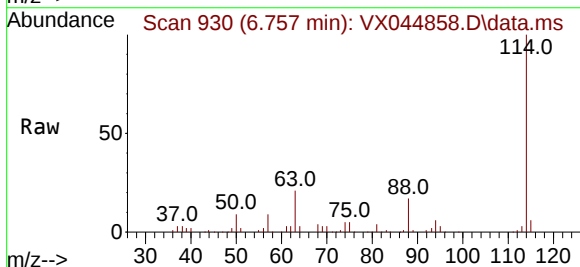
Tgt Ion:114 Resp: 108776

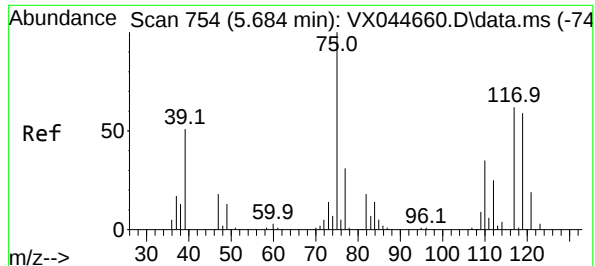
Ion Ratio Lower Upper

114 100

63 20.7 16.6 24.8

88 15.7 13.4 20.2





#29

1,1-Dichloropropene

Concen: 20.676 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

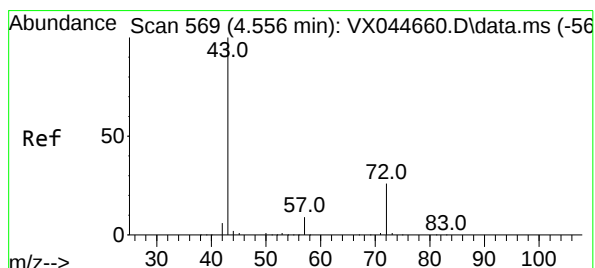
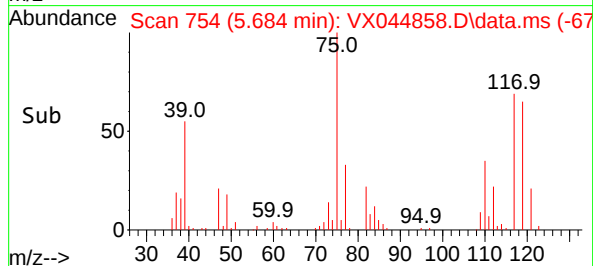
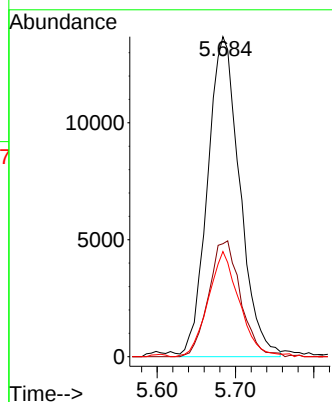
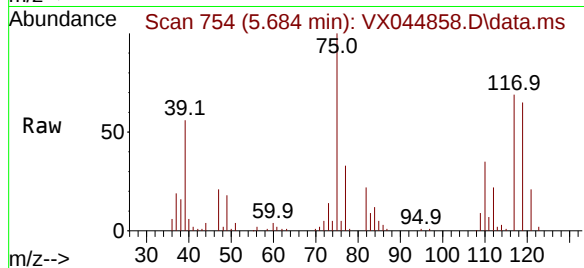
Tgt Ion:	75	Resp:	39119
Ion Ratio	Lower	Upper	
75	100		
110	35.4	0.0	69.4
77	31.6	0.0	59.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#30

2-Butanone

Concen: 123.328 ug/l

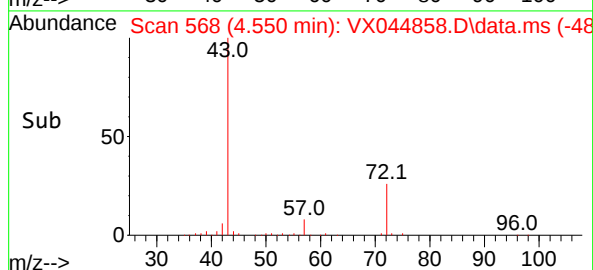
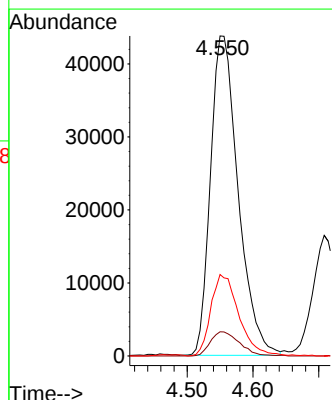
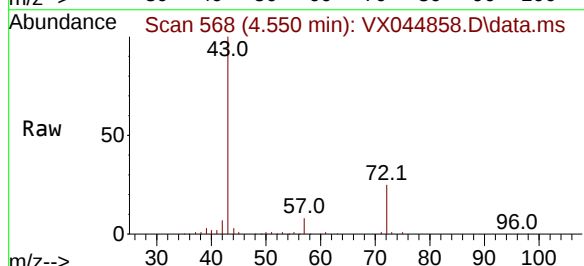
RT: 4.550 min Scan# 568

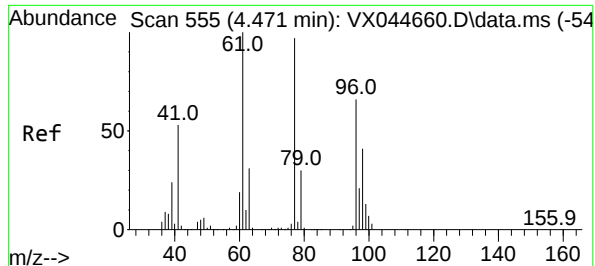
Delta R.T. -0.006 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

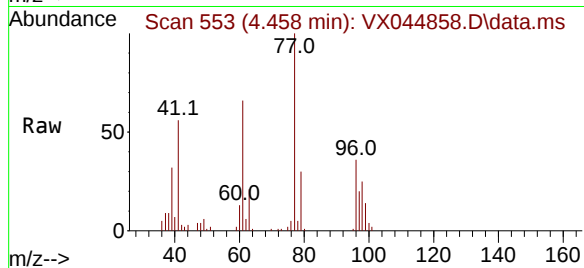
Tgt Ion:	43	Resp:	128179
Ion Ratio	Lower	Upper	
43	100		
57	7.9	6.4	9.6
72	25.7	21.5	32.3





#31
2,2-Dichloropropane
Concen: 18.481 ug/l
RT: 4.458 min Scan# 51
Delta R.T. -0.012 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

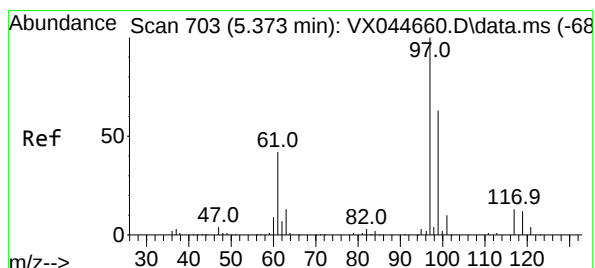
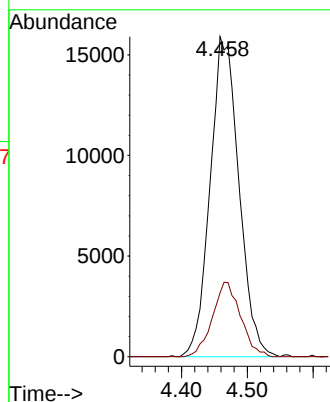
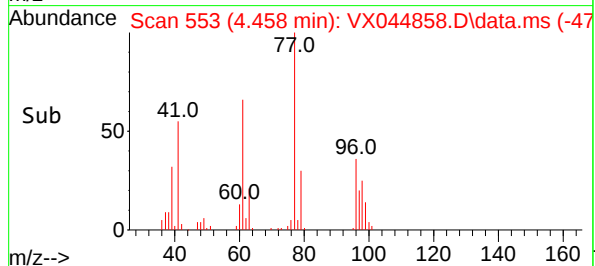
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion: 77 Resp: 4838
Ion Ratio Lower Upper
77 100
97 22.8 18.6 27.8

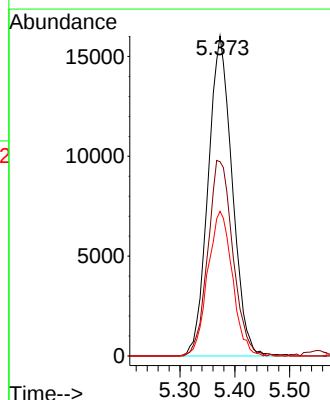
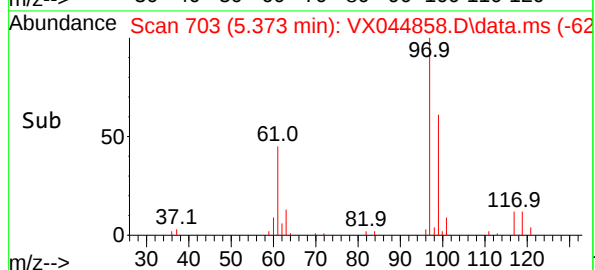
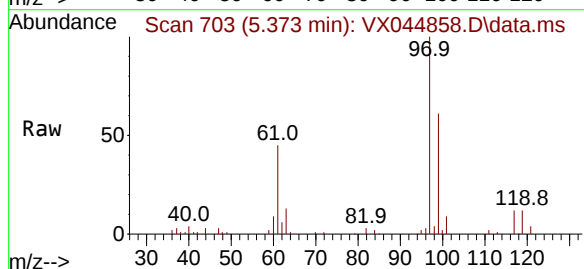
Manual Integrations
APPROVED

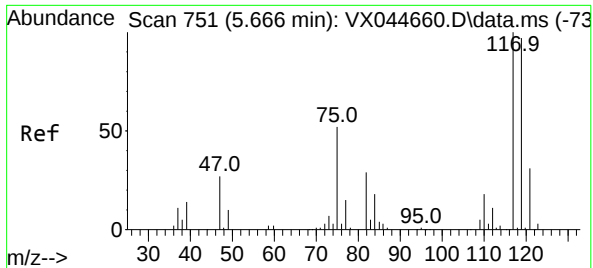
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#32
1,1,1-Trichloroethane
Concen: 19.500 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

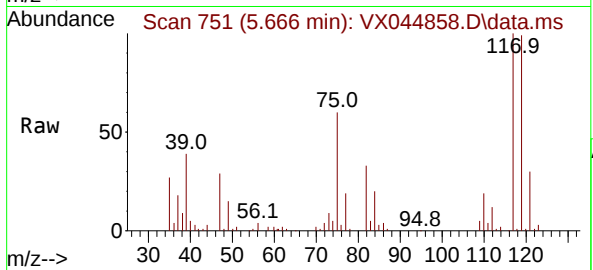
Tgt Ion: 97 Resp: 48894
Ion Ratio Lower Upper
97 100
99 63.3 50.5 75.7
61 46.2 34.6 51.8





#33
Carbon Tetrachloride
Concen: 19.000 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

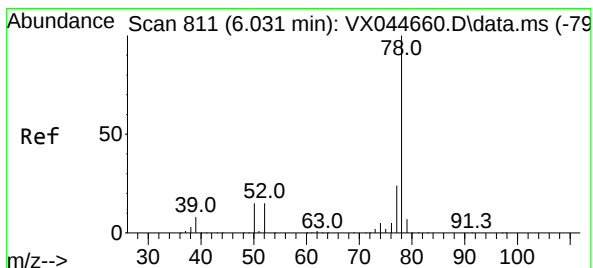
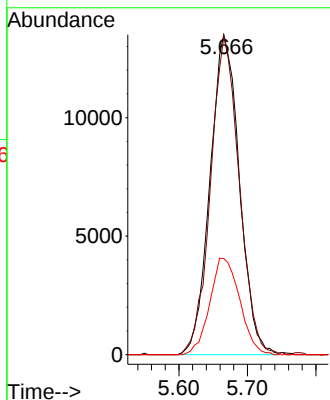
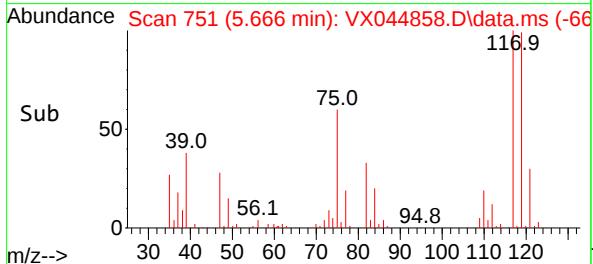
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion:117 Resp: 4018
Ion Ratio Lower Upper
117 100
119 99.4 77.3 115.9
121 30.1 24.6 37.0

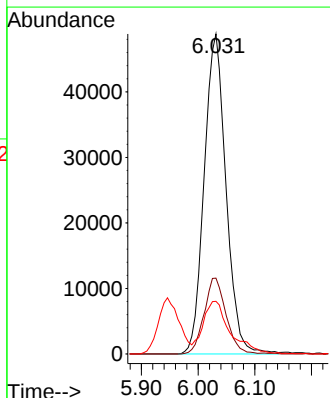
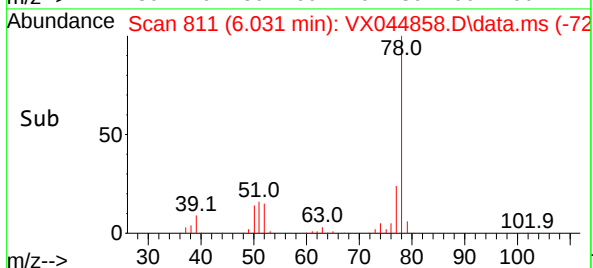
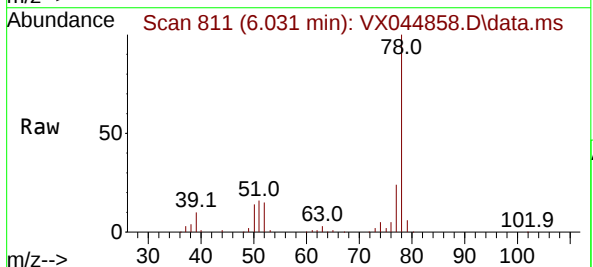
Manual Integrations
APPROVED

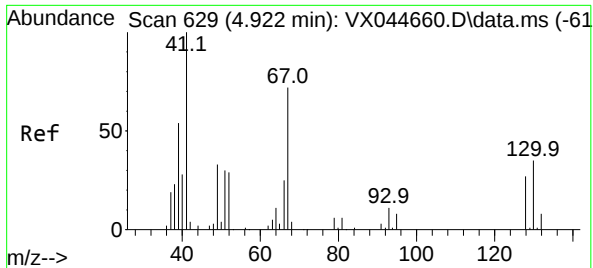
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#34
Benzene
Concen: 21.611 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

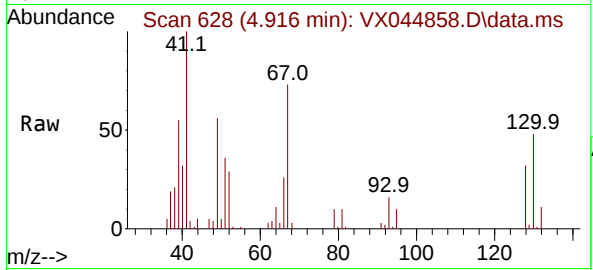
Tgt Ion: 78 Resp: 130454
Ion Ratio Lower Upper
78 100
77 23.7 19.3 28.9
51 16.0 12.7 19.1





#35
Methacrylonitrile
Concen: 22.989 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

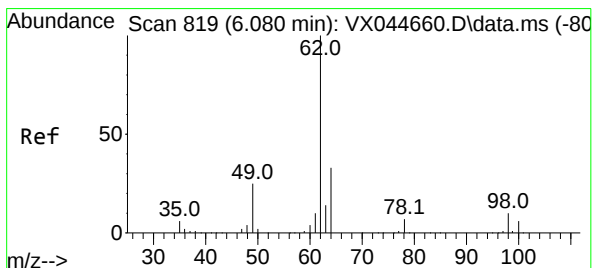
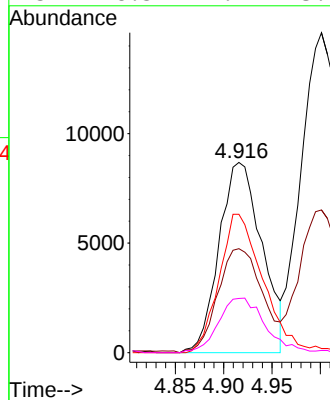
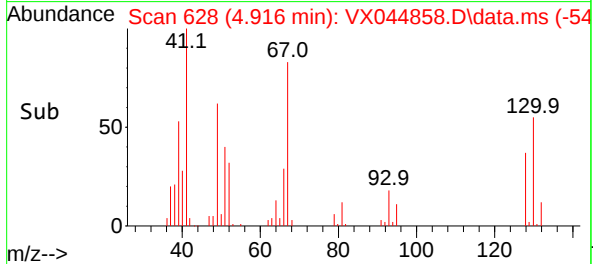
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion: 41 Resp: 26704
Ion Ratio Lower Upper
41 100
39 54.7 27.1 81.3
67 72.8 35.8 107.4
52 28.5 14.4 43.2

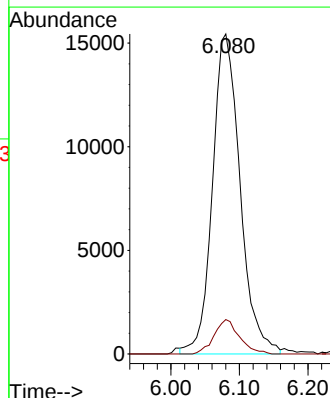
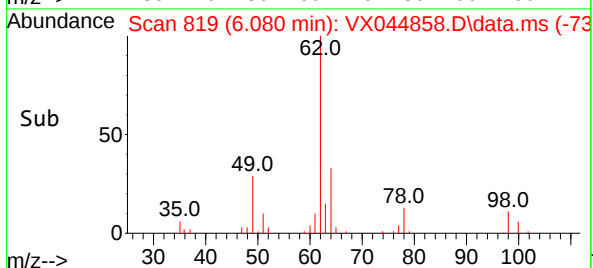
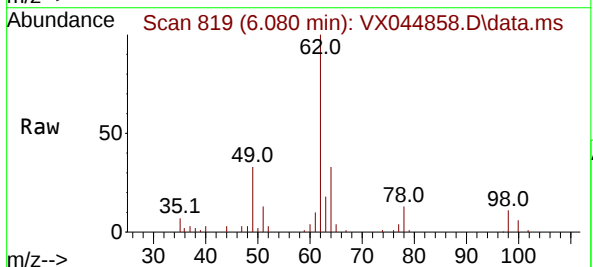
Manual Integrations
APPROVED

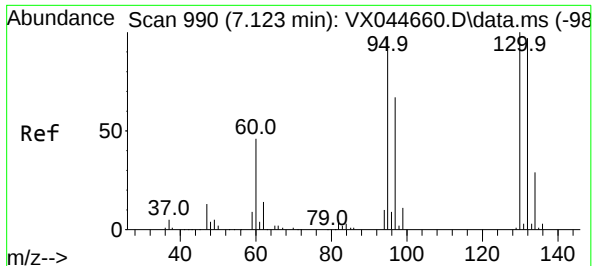
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#36
1,2-Dichloroethane
Concen: 20.021 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

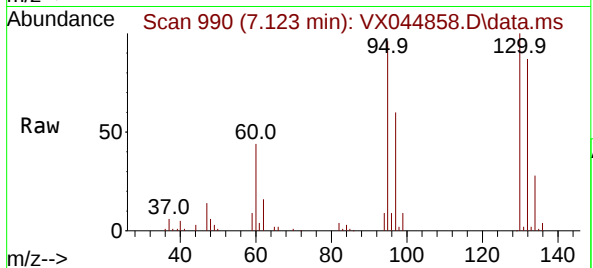
Tgt Ion: 62 Resp: 43210
Ion Ratio Lower Upper
62 100
98 9.9 7.4 11.2





#37
Trichloroethene
Concen: 20.231 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

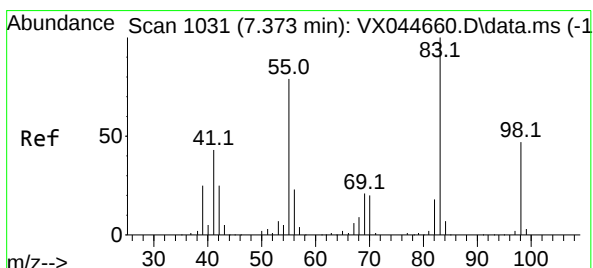
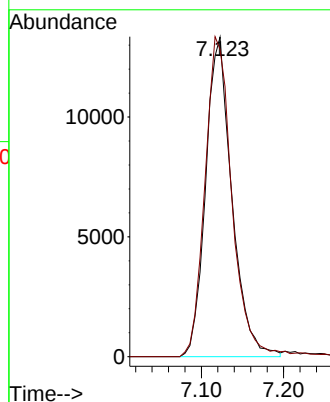
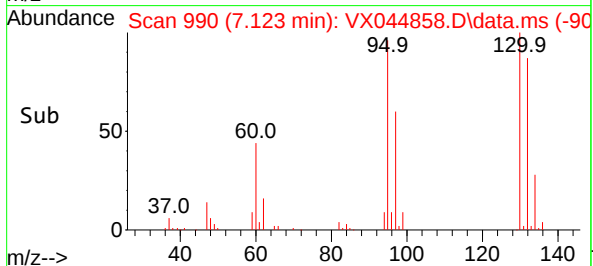
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion:130 Resp: 2948
Ion Ratio Lower Upper
130 100
95 96.2 78.2 117.4

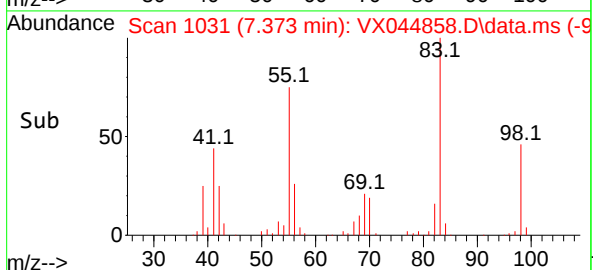
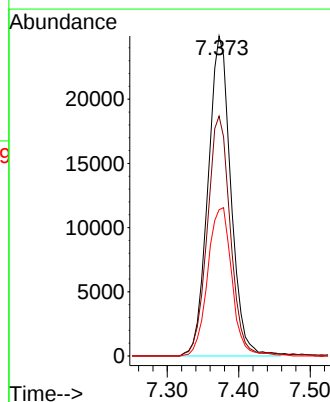
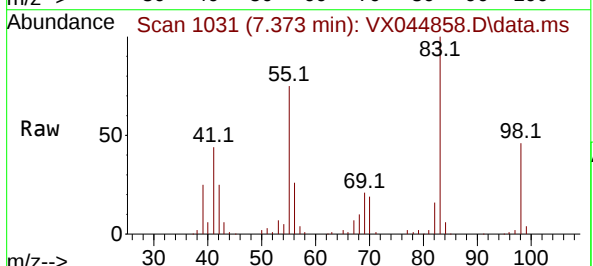
Manual Integrations
APPROVED

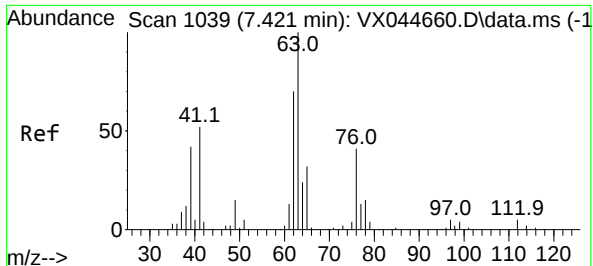
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#38
Methylcyclohexane
Concen: 21.518 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion: 83 Resp: 55315
Ion Ratio Lower Upper
83 100
55 74.8 38.4 115.2
98 49.0 24.4 73.4





#39

1,2-Dichloropropane

Concen: 21.702 ug/l

RT: 7.427 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

Tgt Ion: 63 Resp: 3266

Ion Ratio Lower Upper

63 100

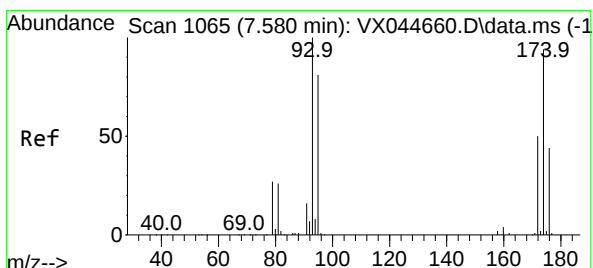
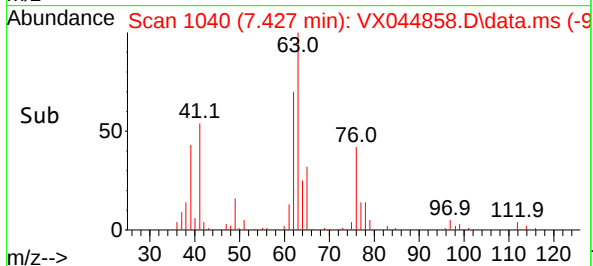
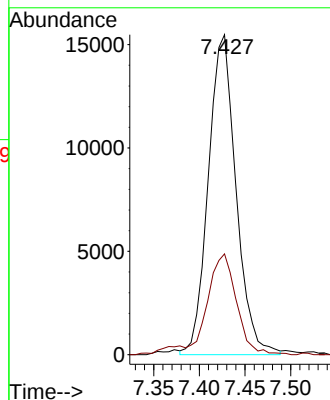
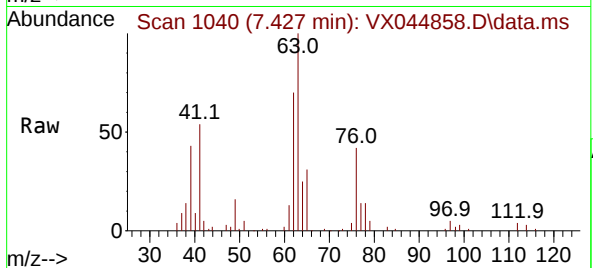
65 31.4 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#40

Dibromomethane

Concen: 20.504 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

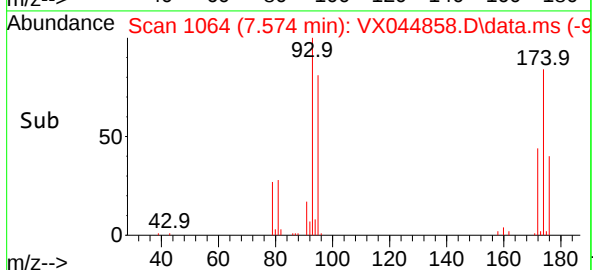
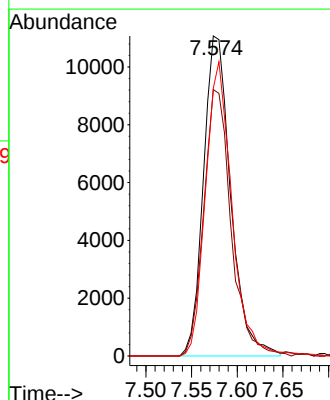
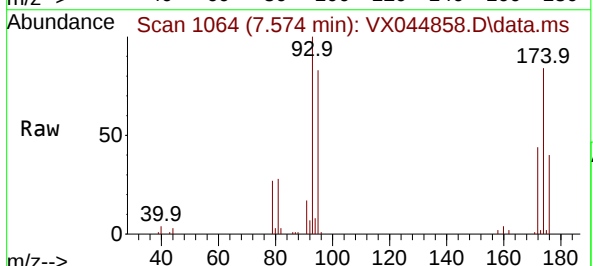
Tgt Ion: 93 Resp: 22946

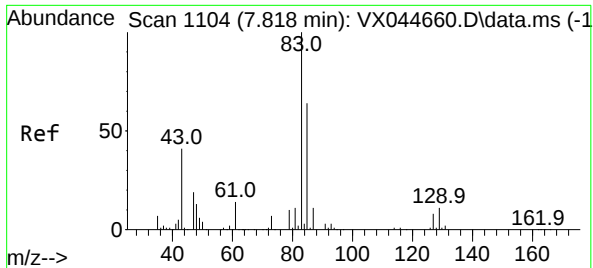
Ion Ratio Lower Upper

93 100

95 83.3 0.0 167.0

174 89.0 0.0 182.0





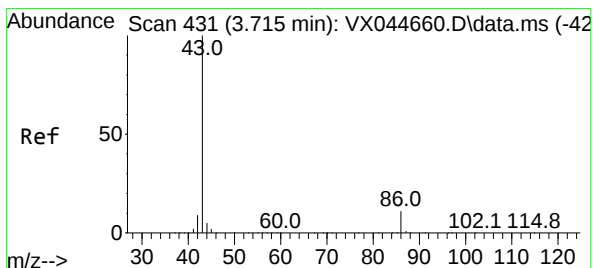
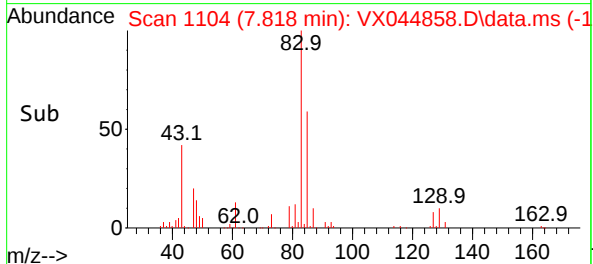
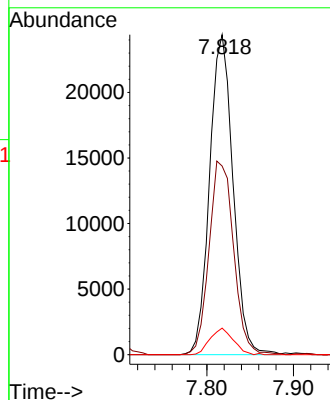
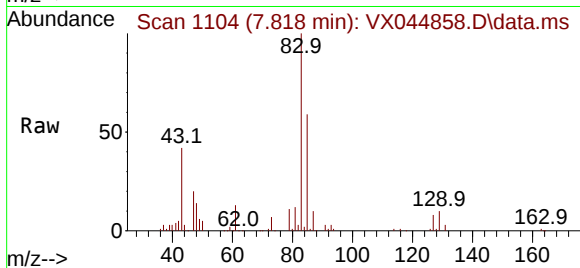
#41
Bromodichloromethane
Concen: 19.848 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01

Tgt Ion: 83 Resp: 45864
Ion Ratio Lower Upper
83 100
85 59.0 50.9 76.3
127 8.3 6.5 9.7

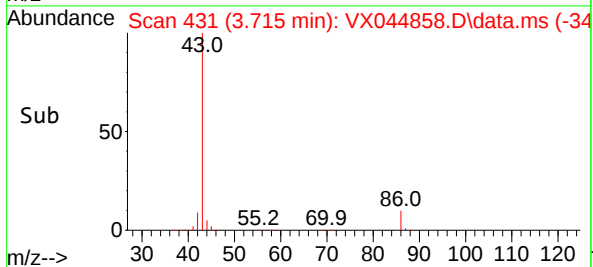
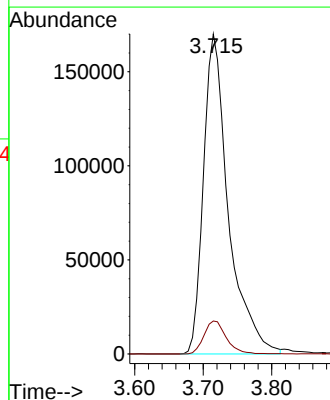
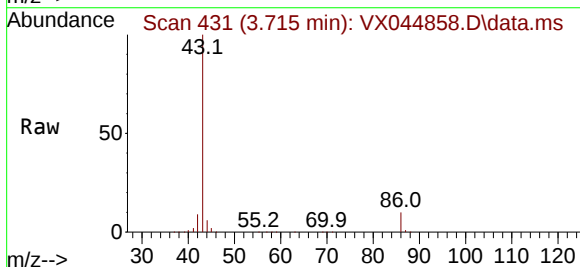
Manual Integrations
APPROVED

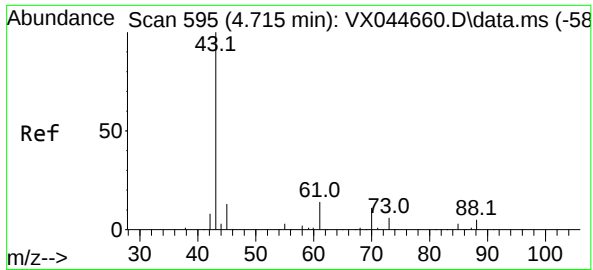
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#42
Vinyl Acetate
Concen: 104.461 ug/l
RT: 3.715 min Scan# 431
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion: 43 Resp: 431167
Ion Ratio Lower Upper
43 100
86 9.3 8.0 12.0





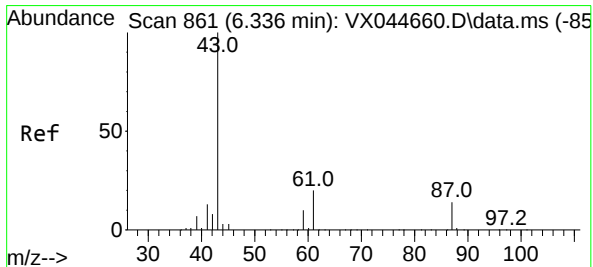
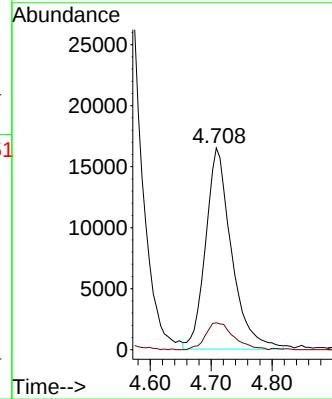
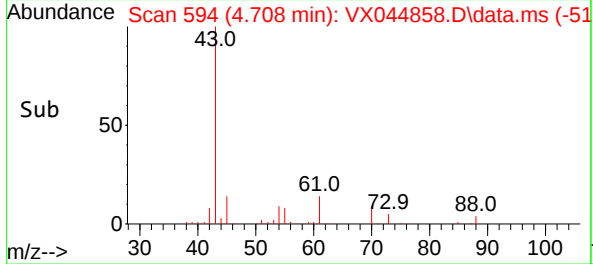
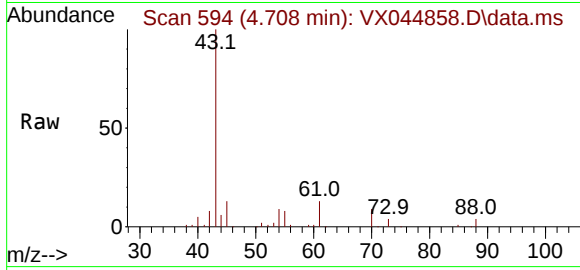
#43
Ethyl Acetate
Concen: 23.899 ug/l
RT: 4.708 min Scan# 594
Delta R.T. -0.006 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01

Tgt Ion: 43 Resp: 48725
Ion Ratio Lower Upper
43 100
45 14.5 0.1 0.15

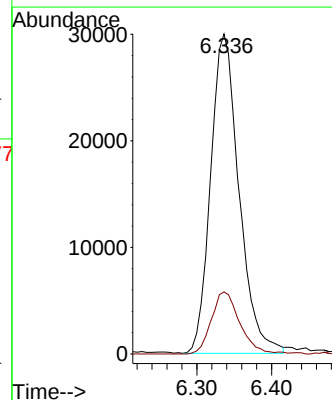
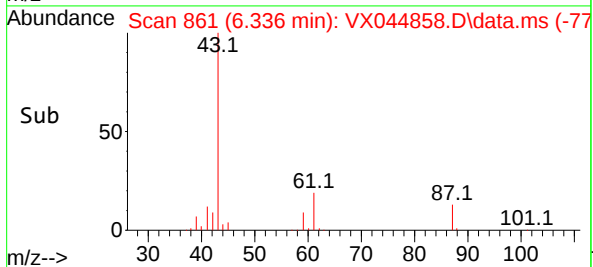
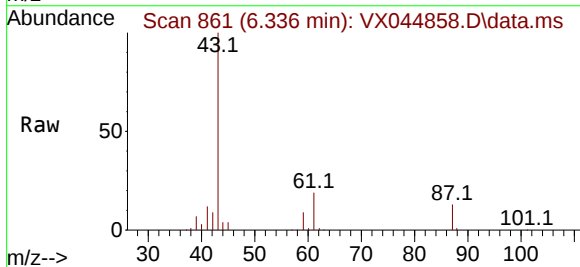
Manual Integrations
APPROVED

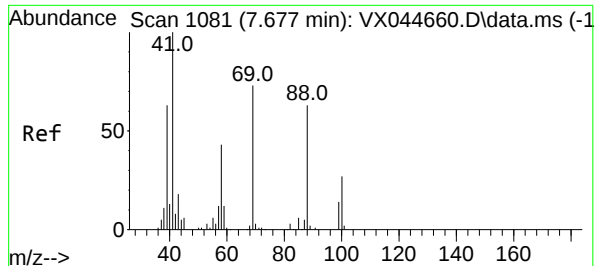
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#44
Isopropyl Acetate
Concen: 21.611 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion: 43 Resp: 79155
Ion Ratio Lower Upper
43 100
61 19.3 16.2 24.4





#45

1,4-Dioxane

Concen: 485.762 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.018 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

Tgt Ion: 88 Resp: 1694

Ion Ratio Lower Upper

88 100

43 33.8 25.9 38.9

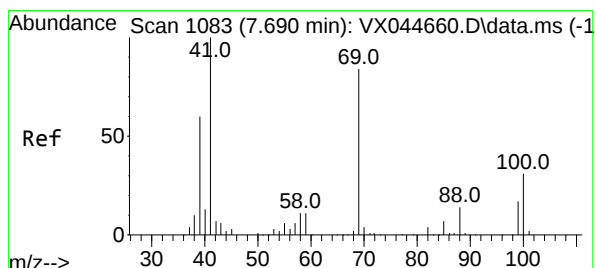
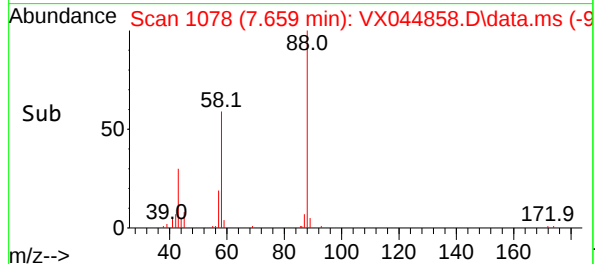
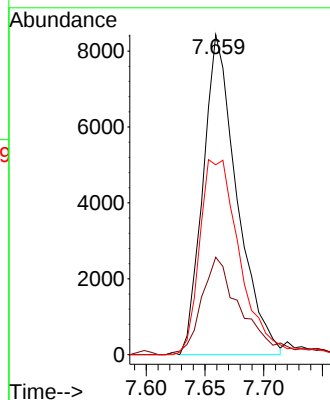
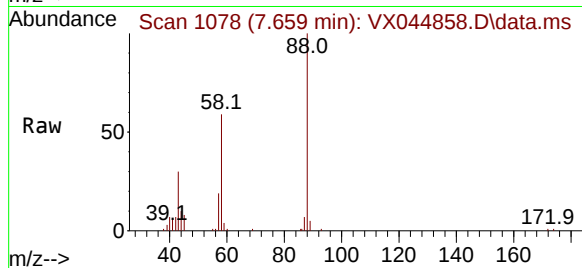
58 71.3 58.9 88.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#46

Methyl methacrylate

Concen: 20.612 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

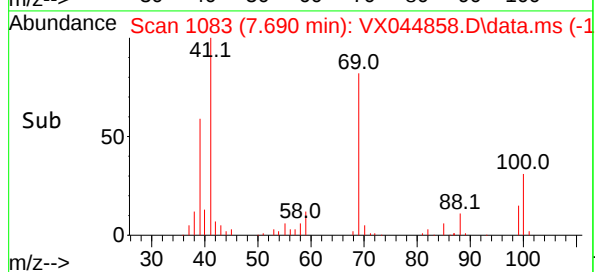
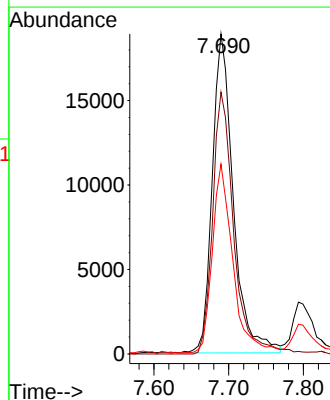
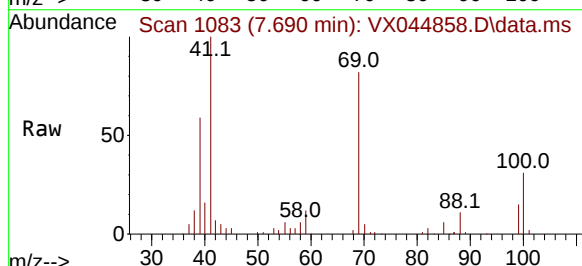
Tgt Ion: 41 Resp: 36954

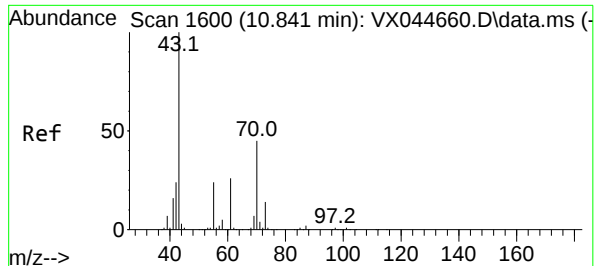
Ion Ratio Lower Upper

41 100

69 82.1 41.9 125.7

39 59.1 30.1 90.3





#47

n-amy1 Acetate

Concen: 21.555 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

Tgt Ion: 43 Resp: 6625

Ion Ratio Lower Upper

43 100

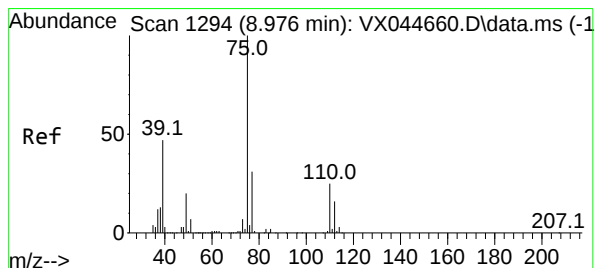
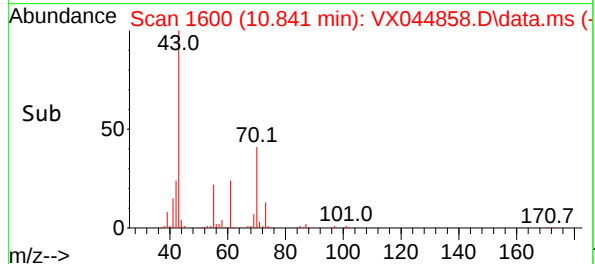
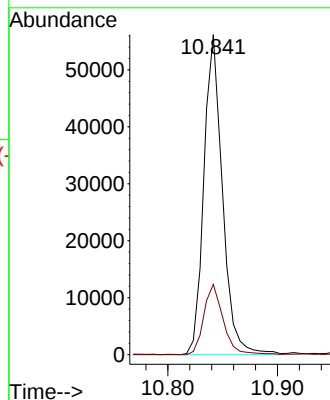
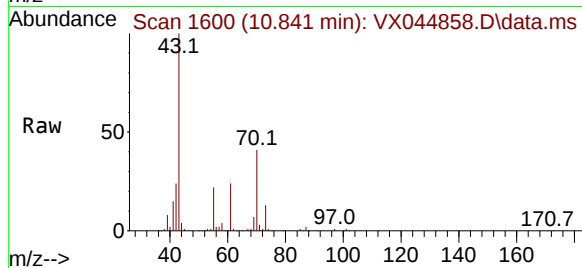
55 22.9 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#48

t-1,3-Dichloropropene

Concen: 18.429 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX044858.D

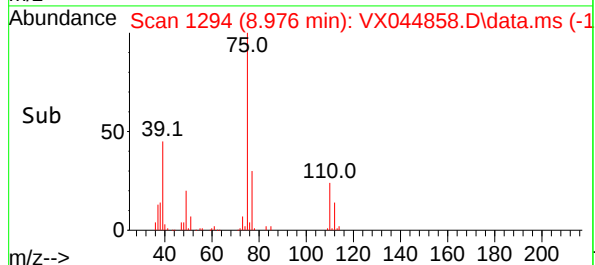
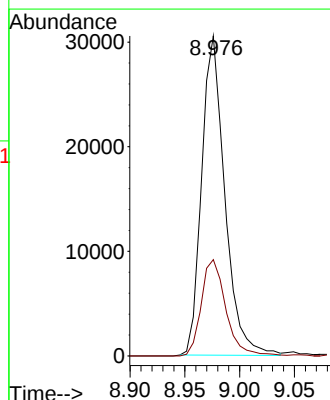
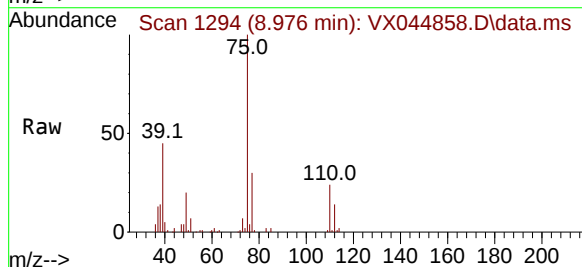
Acq: 07 Feb 2025 11:01

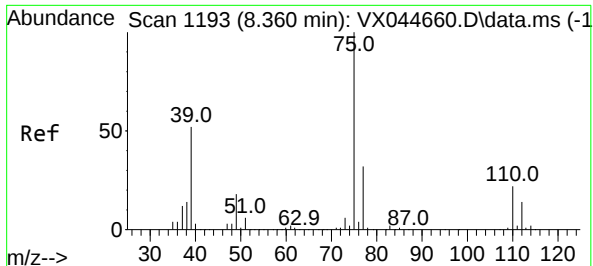
Tgt Ion: 75 Resp: 44947

Ion Ratio Lower Upper

75 100

77 30.2 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 19.524 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

Tgt Ion: 75 Resp: 51060

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0

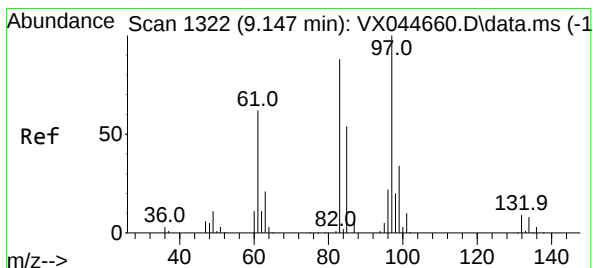
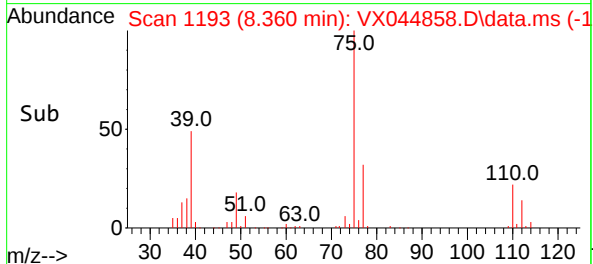
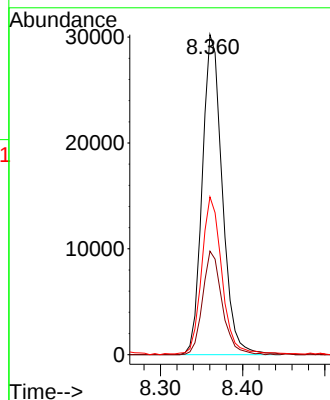
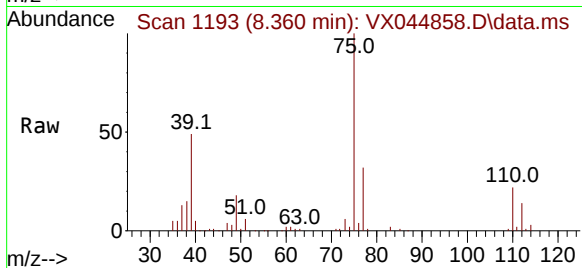
39 48.8 41.4 62.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#50

1,1,2-Trichloroethane

Concen: 22.044 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Tgt Ion: 97 Resp: 31771

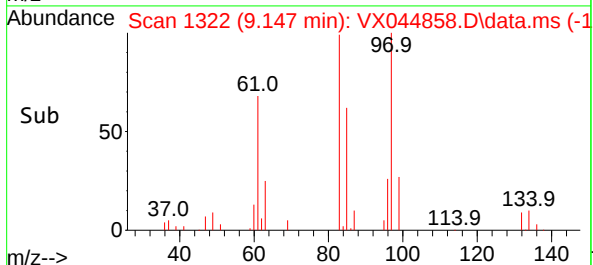
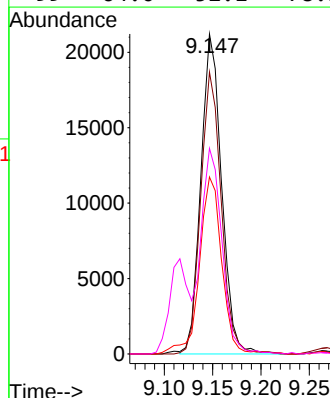
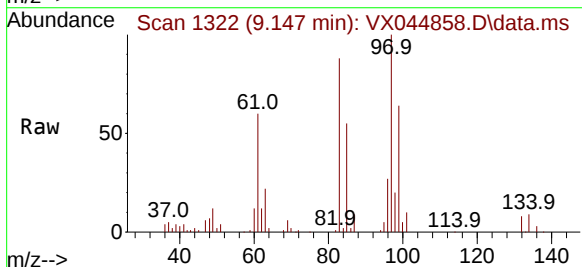
Ion Ratio Lower Upper

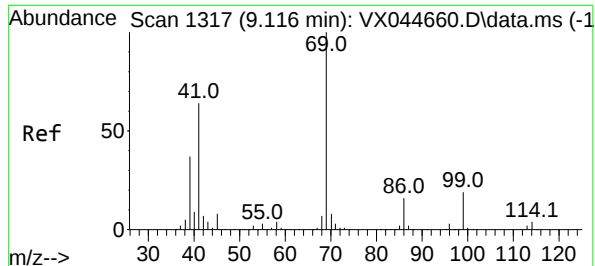
97 100

83 87.8 69.2 103.8

85 54.9 44.8 67.2

99 64.0 52.1 78.1





#51

Ethyl methacrylate

Concen: 20.219 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

Tgt Ion: 69 Resp: 5062

Ion Ratio Lower Upper

69 100

41 68.3 32.0 96.0

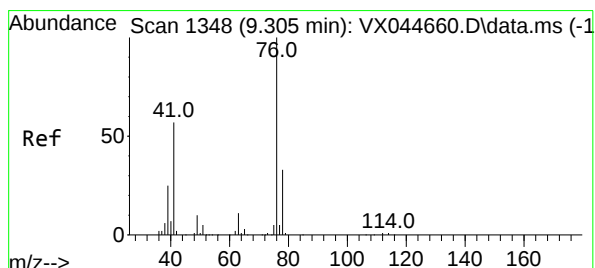
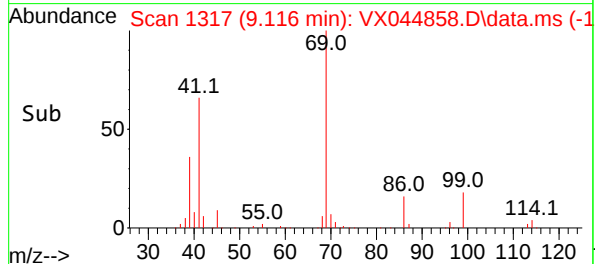
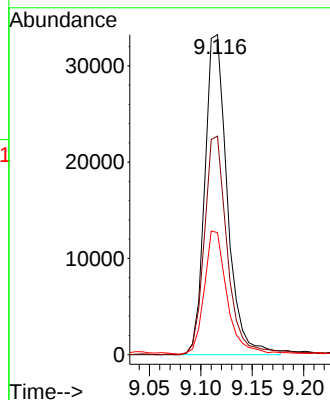
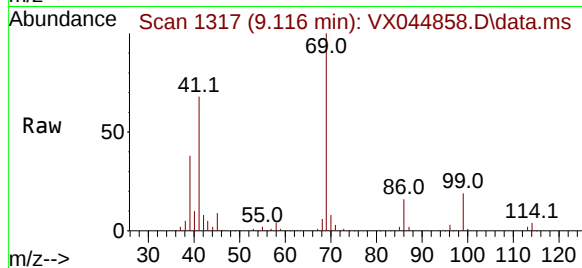
39 37.9 18.6 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#52

1,3-Dichloropropane

Concen: 21.640 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VX044858.D

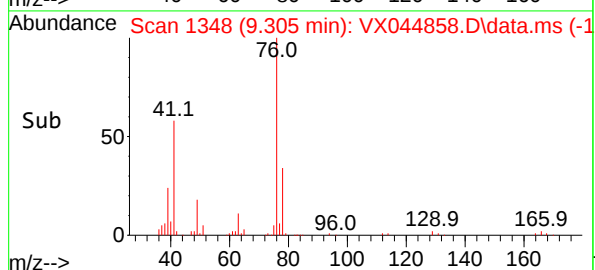
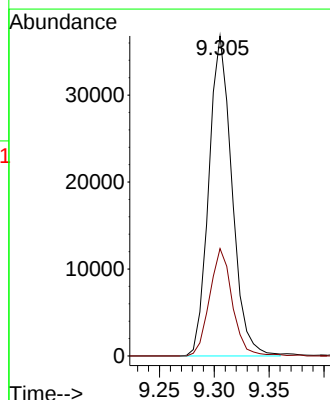
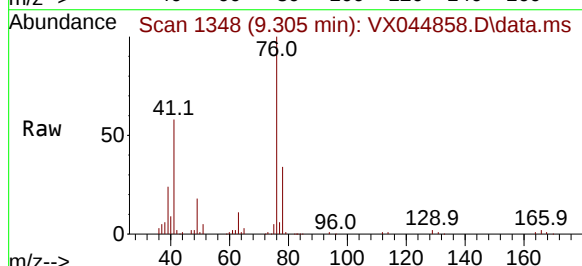
Acq: 07 Feb 2025 11:01

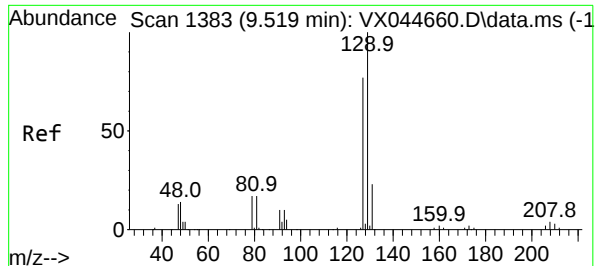
Tgt Ion: 76 Resp: 53944

Ion Ratio Lower Upper

76 100

78 32.9 0.0 64.0





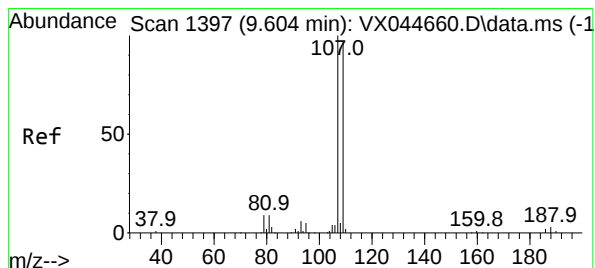
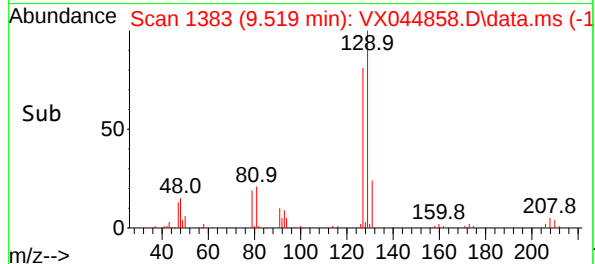
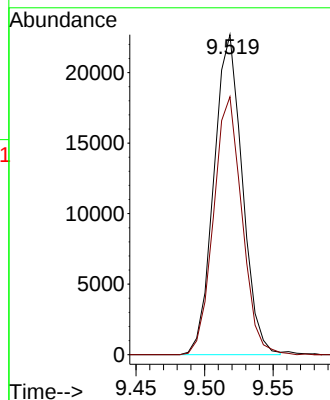
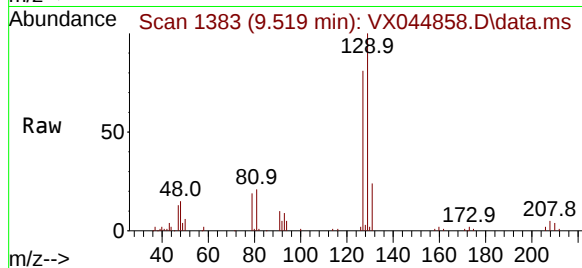
#53
Dibromochloromethane
Concen: 19.037 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01

Tgt Ion:129 Resp: 3278
Ion Ratio Lower Upper
129 100
127 80.3 37.8 113.4

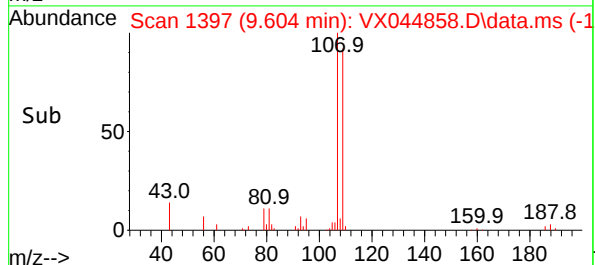
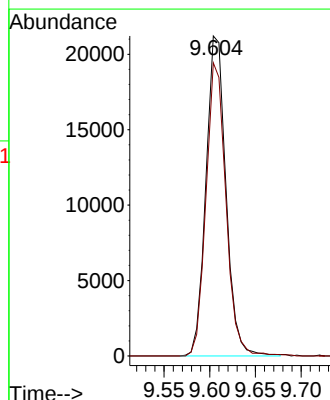
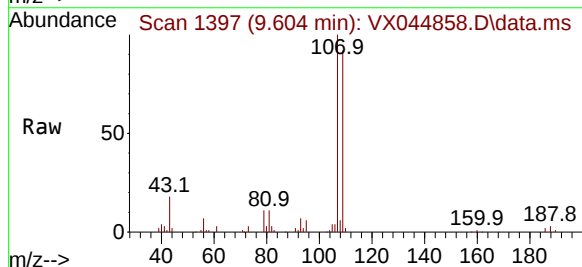
Manual Integrations
APPROVED

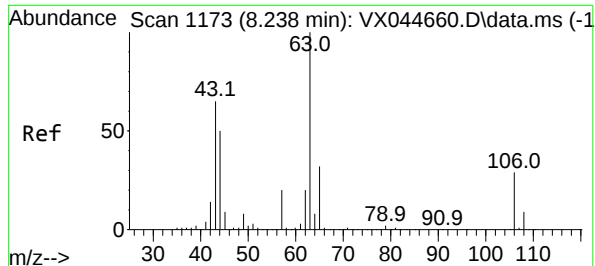
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#54
1,2-Dibromoethane
Concen: 21.163 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion:107 Resp: 32244
Ion Ratio Lower Upper
107 100
109 90.3 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 92.629 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

Tgt Ion: 63 Resp: 112529

Ion Ratio Lower Upper

63 100

65 31.8 25.8 38.6

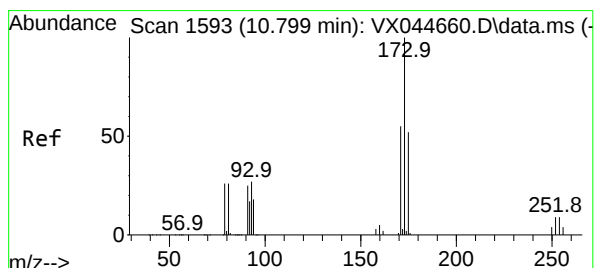
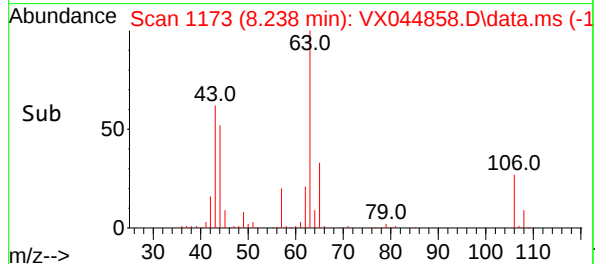
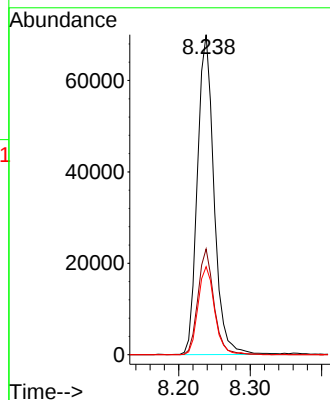
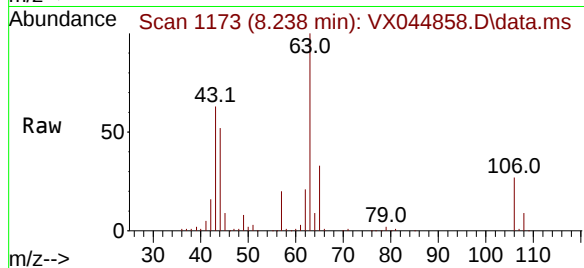
106 27.1 23.1 34.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#56

Bromoform

Concen: 19.140 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

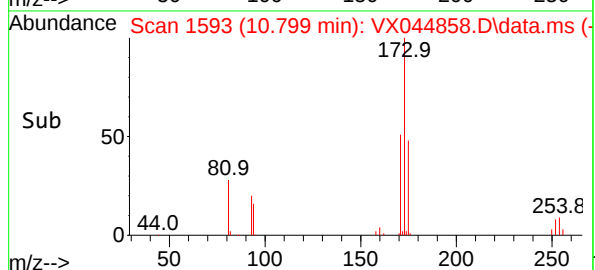
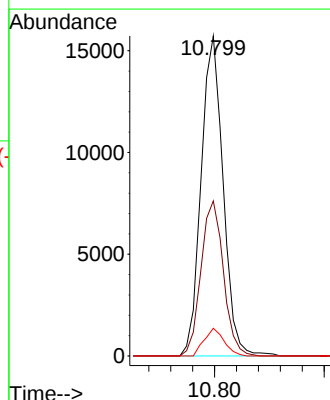
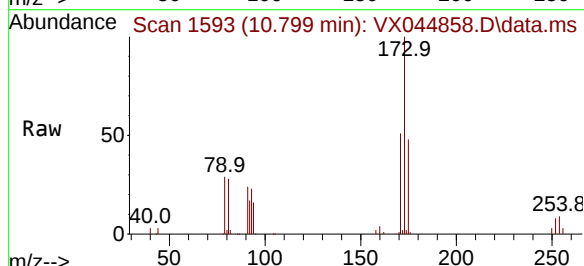
Tgt Ion:173 Resp: 21858

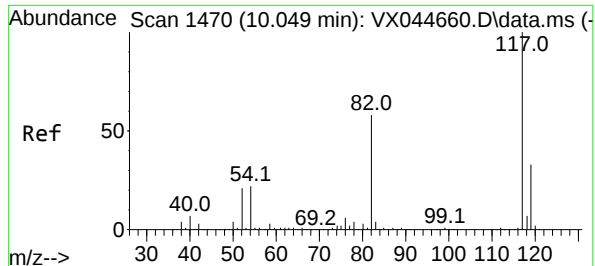
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.6

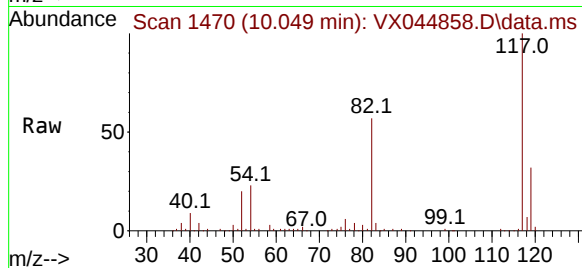
254 7.8 6.5 9.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

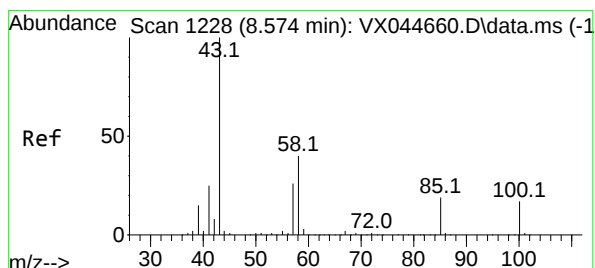
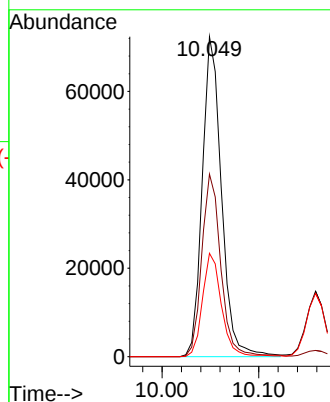
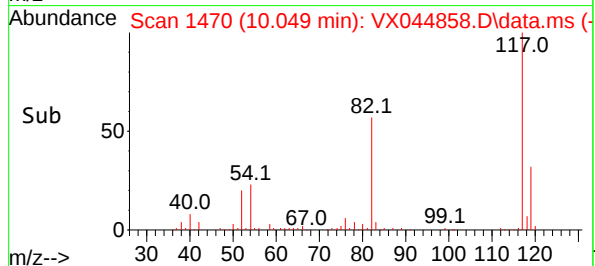
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion: 117 Resp: 100274
Ion Ratio Lower Upper
117 100
82 56.7 45.8 68.6
119 32.0 25.8 38.6

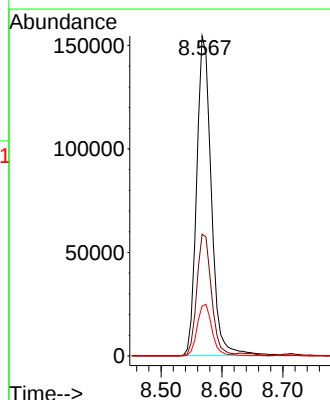
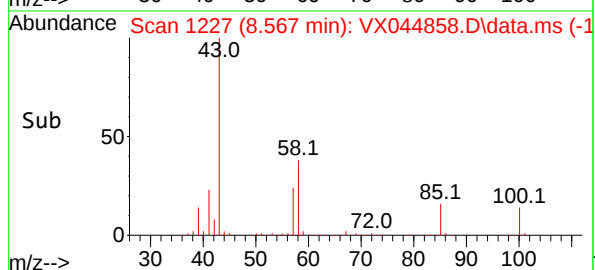
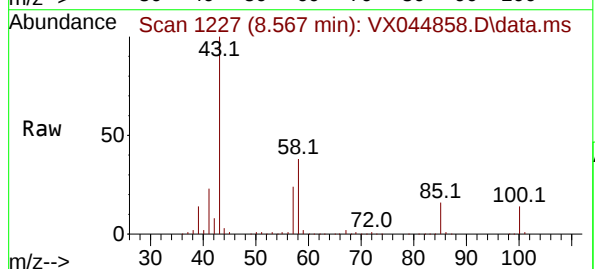
Manual Integrations
APPROVED

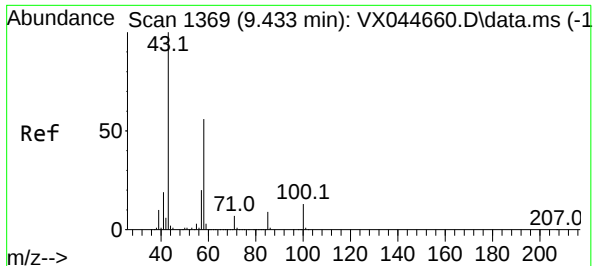
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#58
4-Methyl-2-Pentanone
Concen: 122.376 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion: 43 Resp: 258658
Ion Ratio Lower Upper
43 100
58 38.1 31.7 47.5
85 16.5 15.0 22.6





#59

2-Hexanone

Concen: 122.210 ug/l

RT: 9.427 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

Tgt Ion: 43 Resp: 18910

Ion Ratio Lower Upper

43

100

58

57

53.6

18.3

44.4

15.5

66.6

23.3

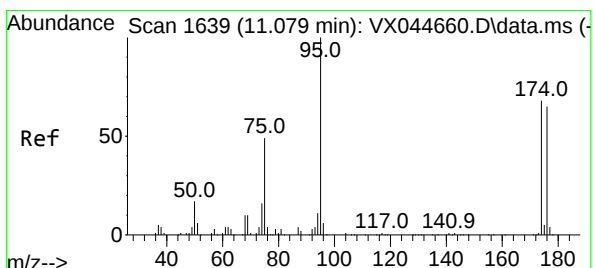
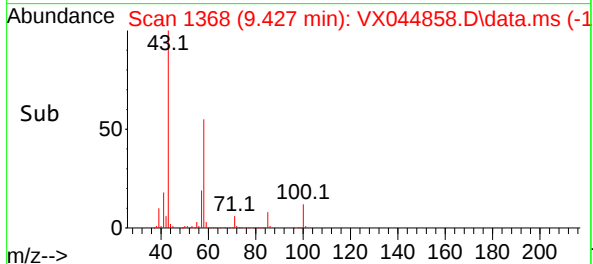
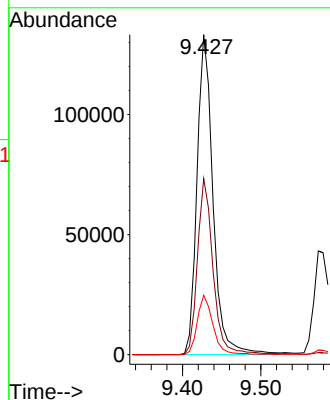
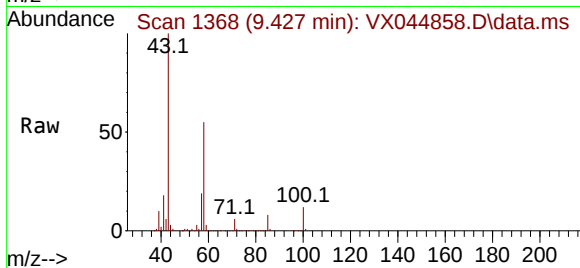
23.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#60

4-Bromofluorobenzene

Concen: 29.112 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Tgt Ion: 95 Resp: 56701

Ion Ratio Lower Upper

95

100

174

176

73.4

70.0

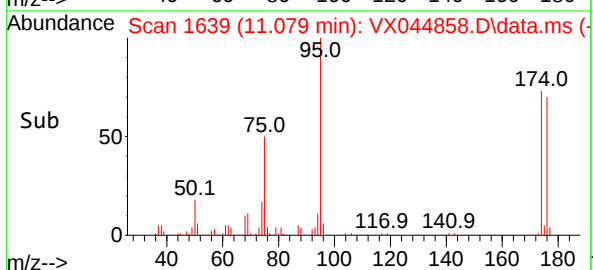
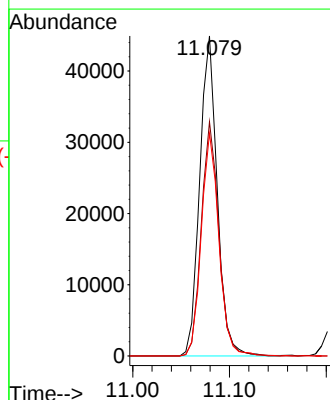
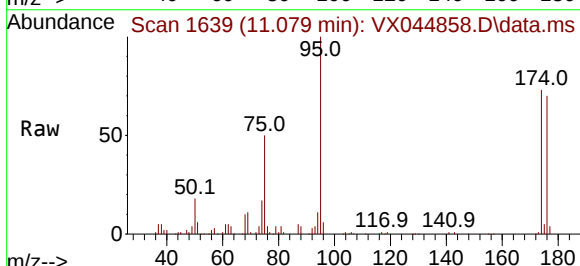
54.6

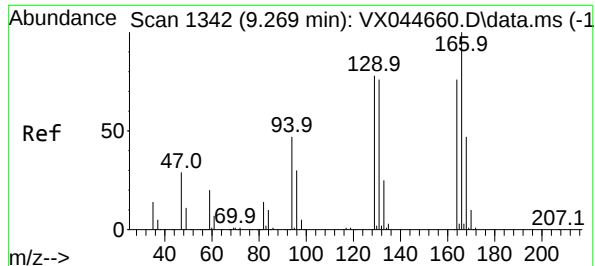
52.8

81.8

79.2

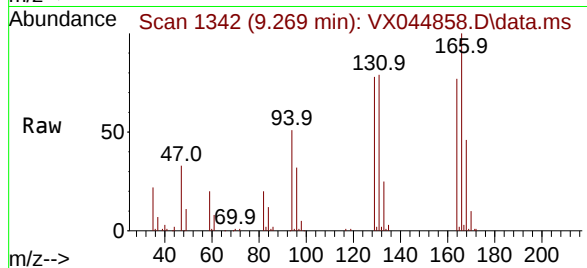
79.2





#61
Tetrachloroethene
Concen: 20.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

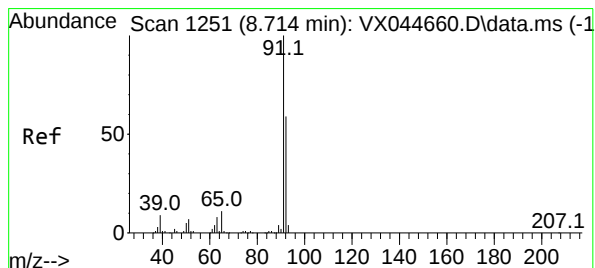
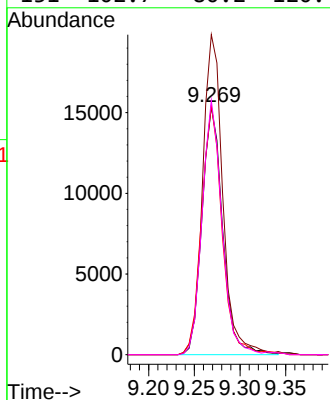
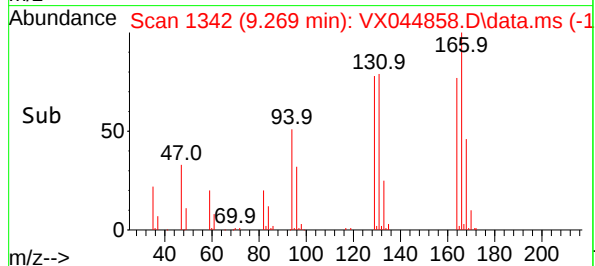
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion:164 Resp: 2408
Ion Ratio Lower Upper
164 100
166 129.2 105.6 158.4
129 100.7 82.8 124.2
131 102.7 80.2 120.4

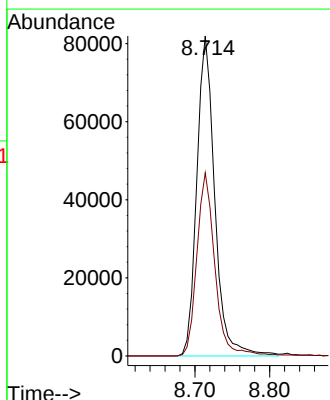
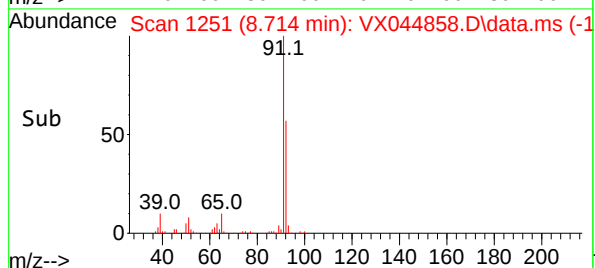
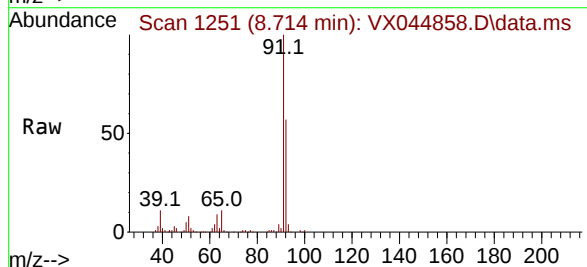
Manual Integrations
APPROVED

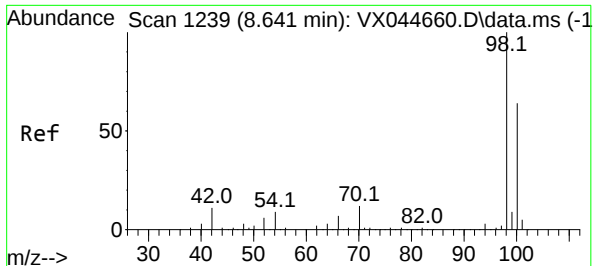
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#62
Toluene
Concen: 20.726 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

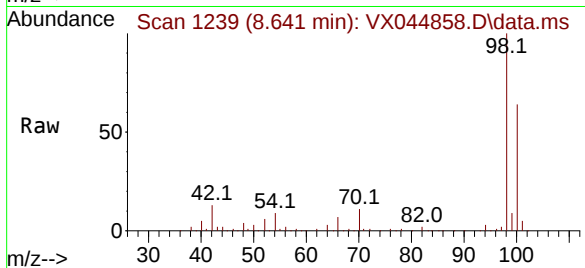
Tgt Ion: 91 Resp: 136850
Ion Ratio Lower Upper
91 100
92 57.5 47.3 70.9





#63
Toluene-d8
Concen: 29.293 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

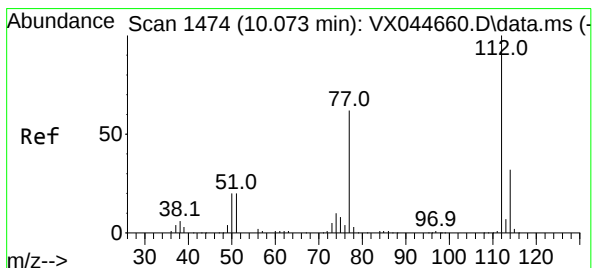
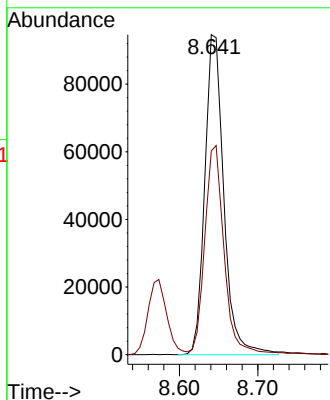
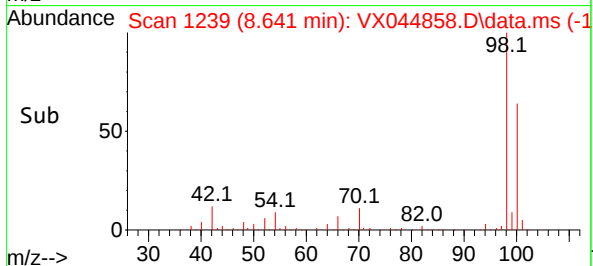
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion: 98 Resp: 159762
Ion Ratio Lower Upper
98 100
100 65.3 53.6 80.4

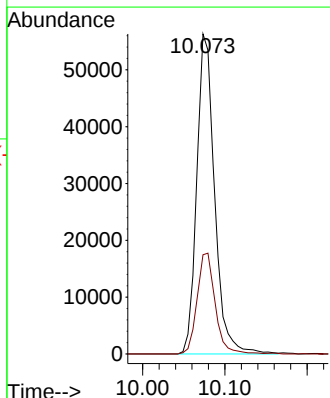
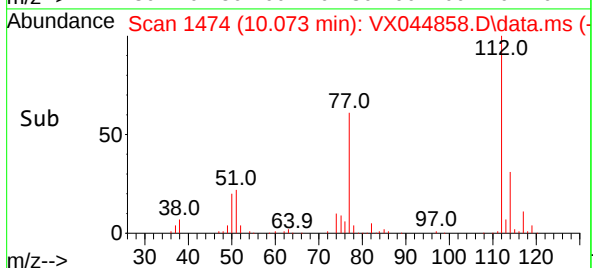
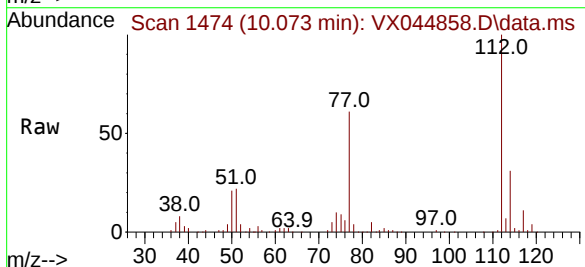
Manual Integrations
APPROVED

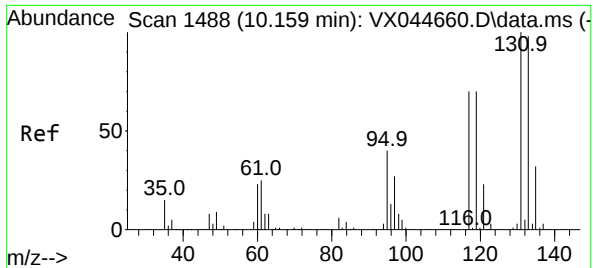
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#64
Chlorobenzene
Concen: 20.722 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

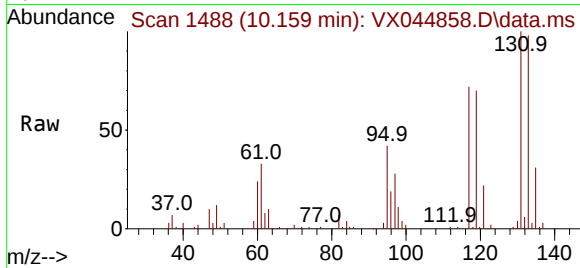
Tgt Ion:112 Resp: 84973
Ion Ratio Lower Upper
112 100
114 31.0 25.5 38.3





#65
1,1,1,2-Tetrachloroethane
Concen: 18.947 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

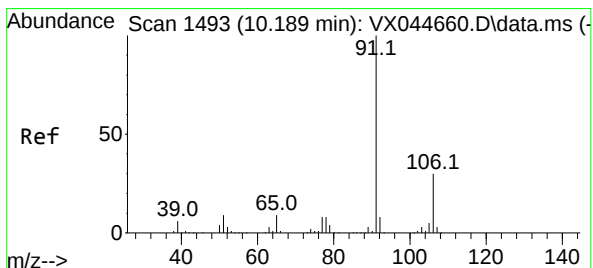
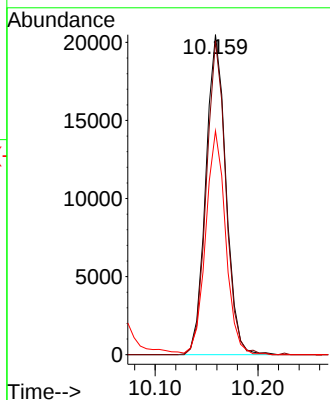
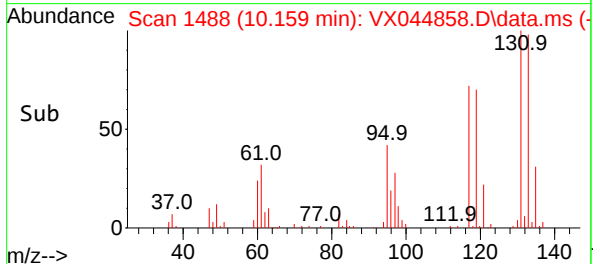
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion:131 Resp: 27909
Ion Ratio Lower Upper
131 100
133 94.9 0.0 192.4
119 68.4 0.0 133.4

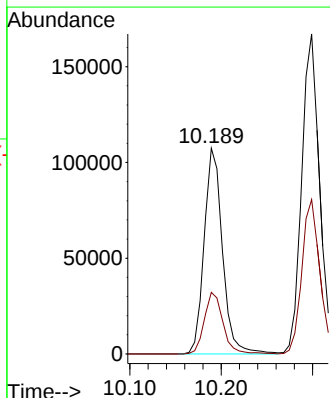
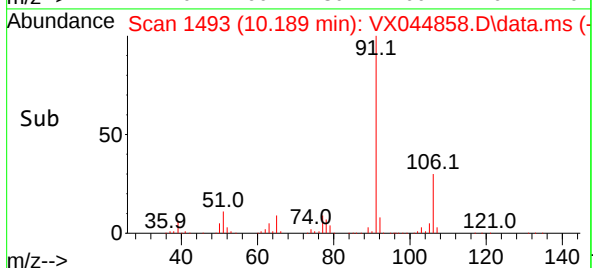
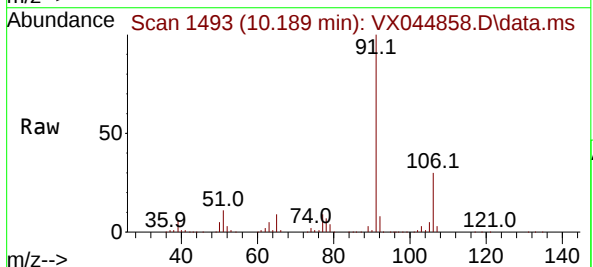
Manual Integrations
APPROVED

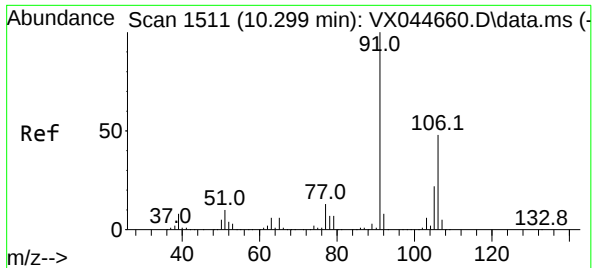
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#66
Ethyl Benzene
Concen: 20.754 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

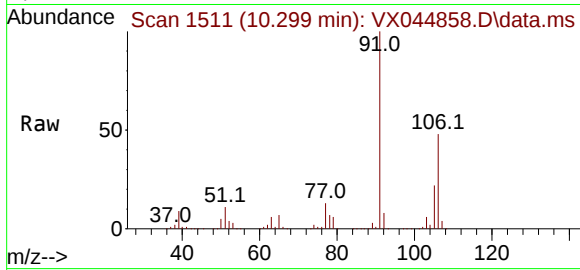
Tgt Ion: 91 Resp: 149546
Ion Ratio Lower Upper
91 100
106 30.0 24.0 36.0





#67
m/p-Xylenes
Concen: 42.760 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

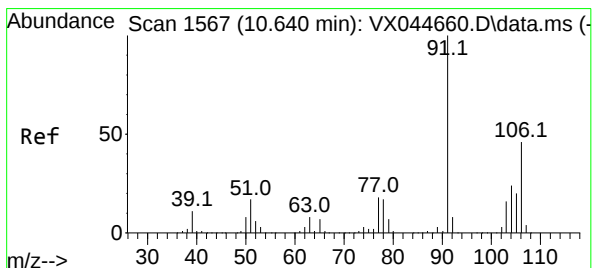
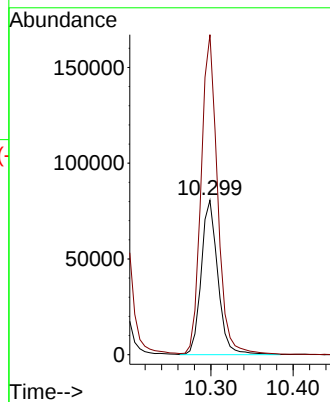
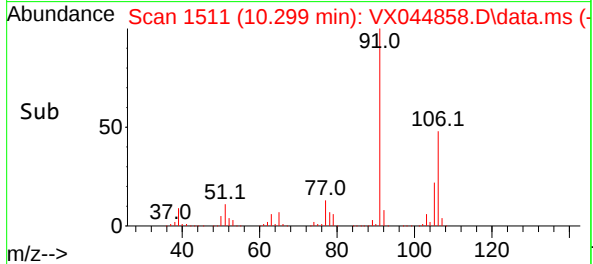
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



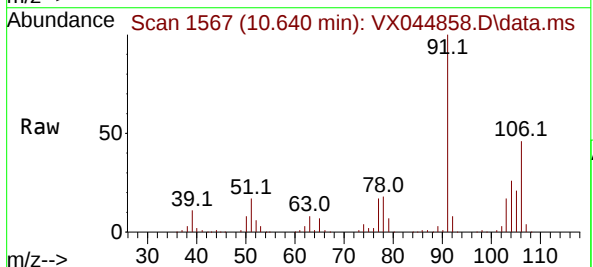
Tgt Ion:106 Resp: 113258
Ion Ratio Lower Upper
106 100
91 204.7 166.8 250.2

Manual Integrations
APPROVED

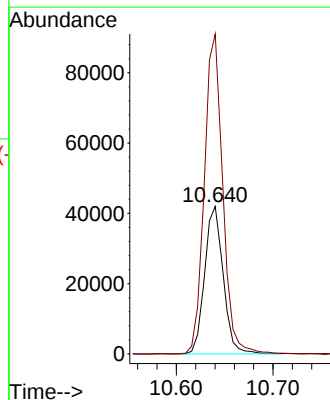
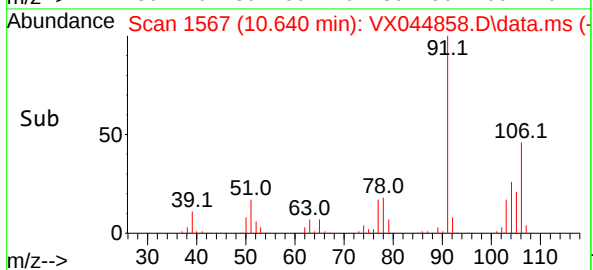
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025

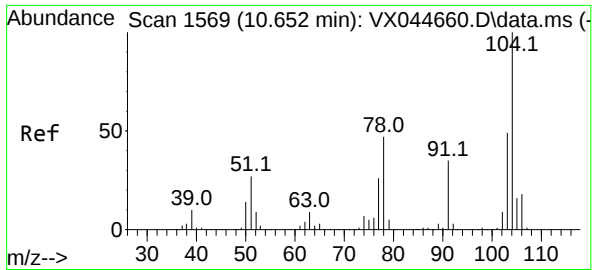


#68
o-Xylene
Concen: 21.154 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01



Tgt Ion:106 Resp: 56236
Ion Ratio Lower Upper
106 100
91 215.1 109.7 329.1





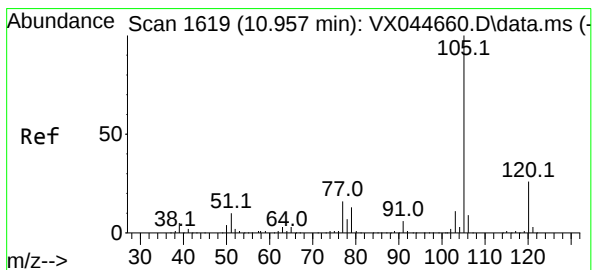
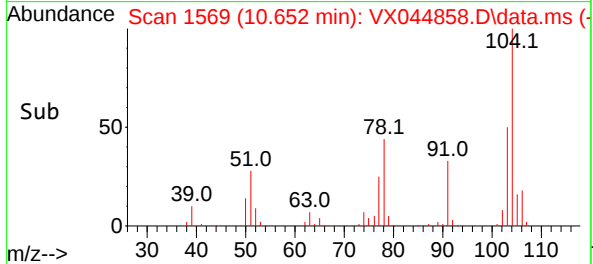
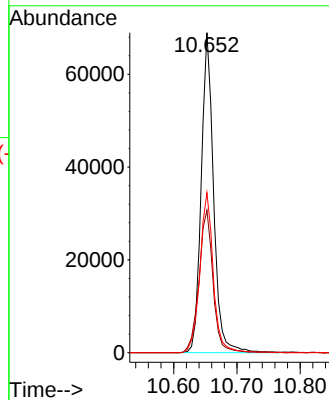
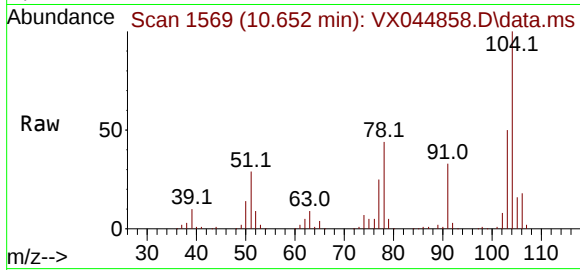
#69
Styrene
Concen: 21.569 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01

Tgt Ion:104 Resp: 9414
Ion Ratio Lower Upper
104 100
78 50.2 42.0 63.0
103 54.3 43.1 64.7

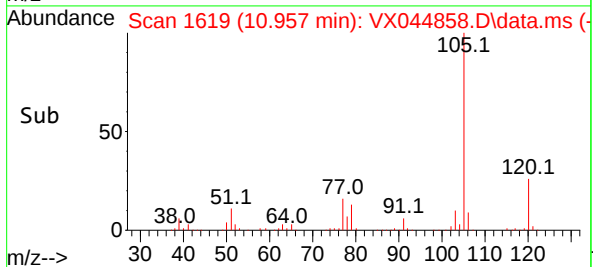
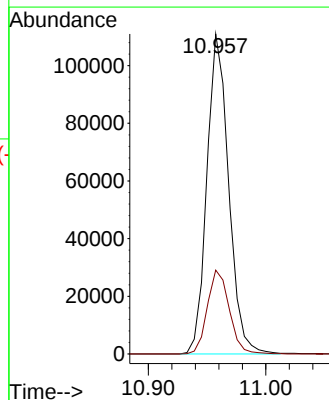
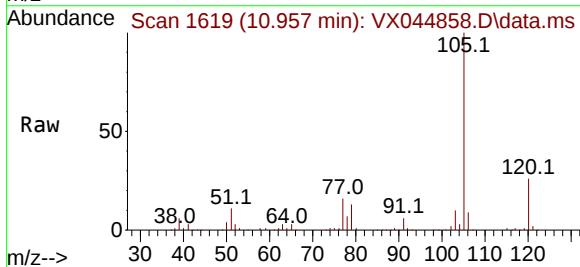
Manual Integrations
APPROVED

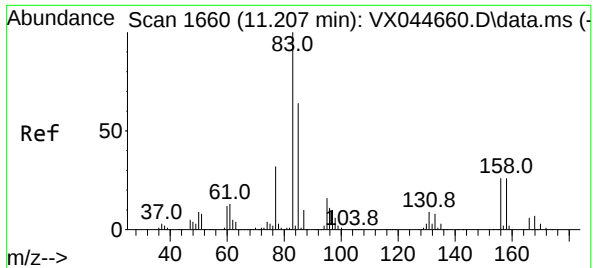
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#70
Isopropylbenzene
Concen: 21.388 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion:105 Resp: 142933
Ion Ratio Lower Upper
105 100
120 26.3 18.6 34.6





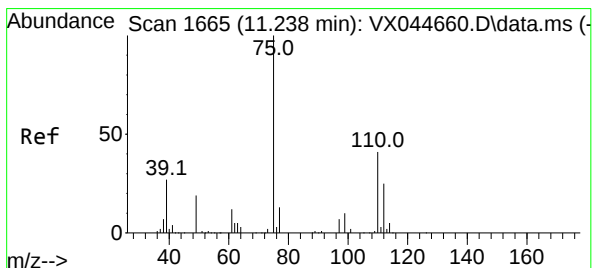
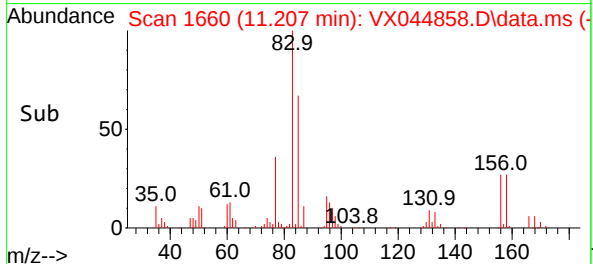
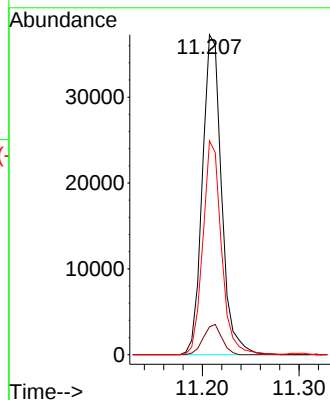
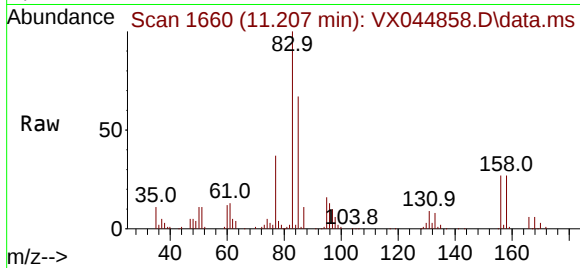
#71
1,1,2,2-Tetrachloroethane
Concen: 22.919 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01

Tgt Ion: 83 Resp: 51489
Ion Ratio Lower Upper
83 100
131 9.1 5.0 14.9
85 64.6 33.0 99.0

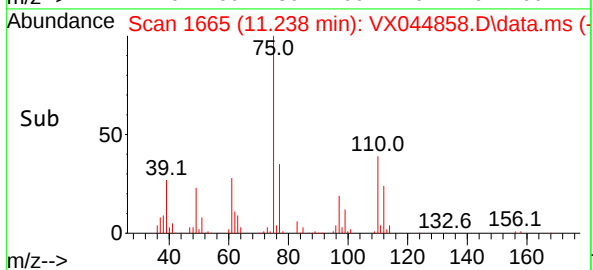
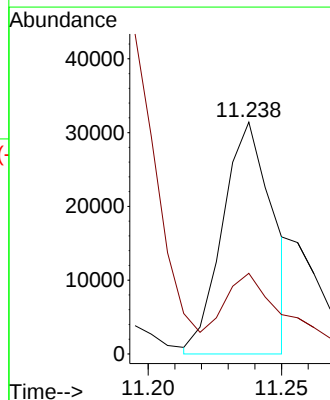
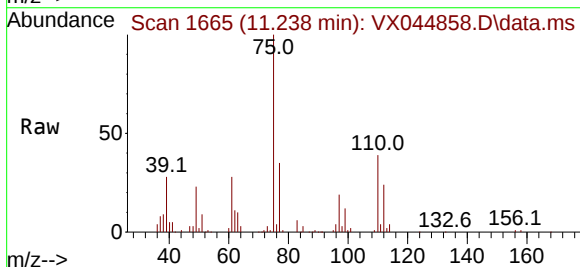
Manual Integrations
APPROVED

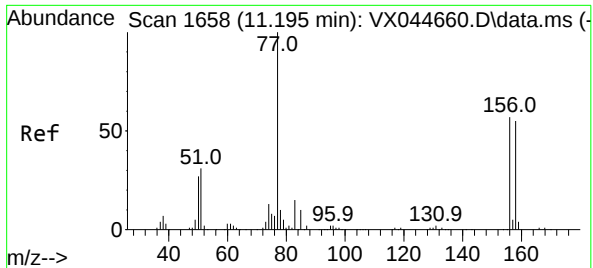
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#72
1,2,3-Trichloropropane
Concen: 21.674 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

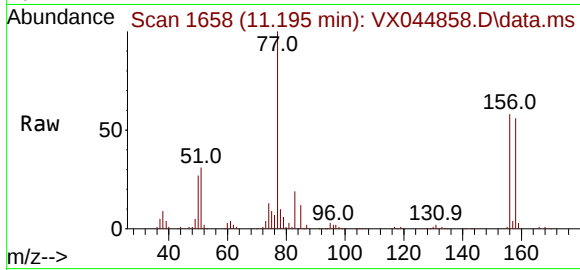
Tgt Ion: 75 Resp: 40966
Ion Ratio Lower Upper
75 100
77 44.6 0.0 83.0





#73
Bromobenzene
Concen: 21.339 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

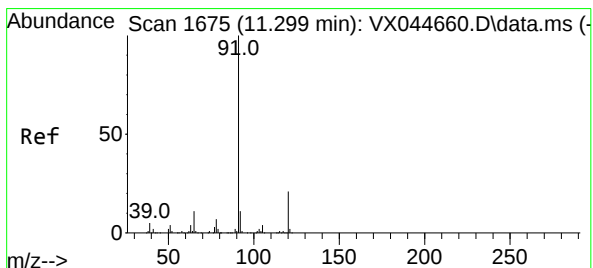
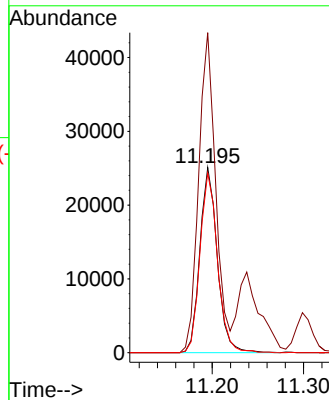
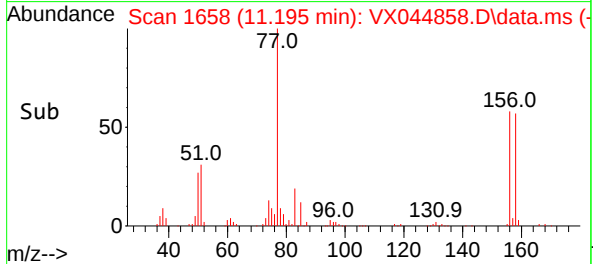
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion:156 Resp: 3322
Ion Ratio Lower Upper
156 100
77 168.5 0.0 354.6
158 97.4 0.0 193.6

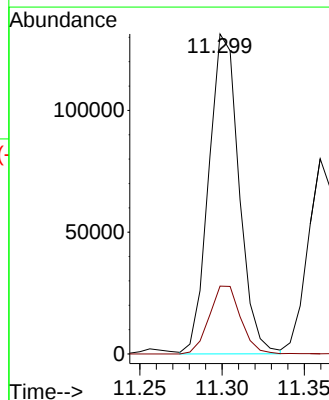
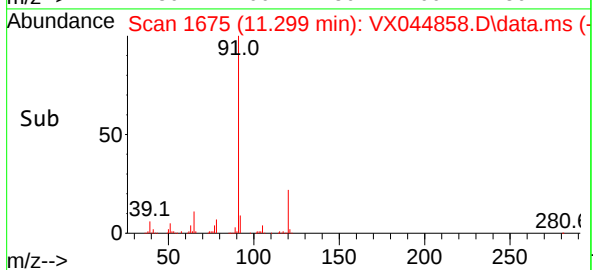
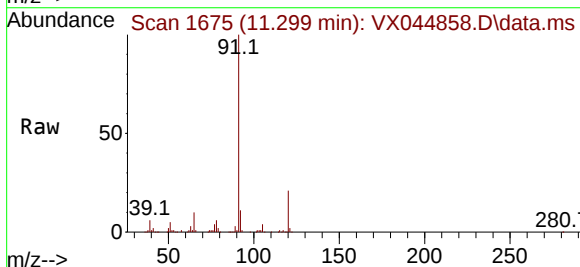
Manual Integrations
APPROVED

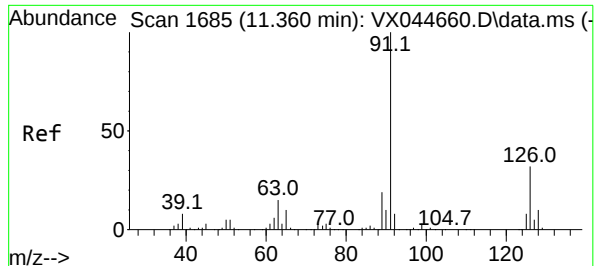
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#74
n-propylbenzene
Concen: 22.215 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion: 91 Resp: 168630
Ion Ratio Lower Upper
91 100
120 21.9 0.0 45.0





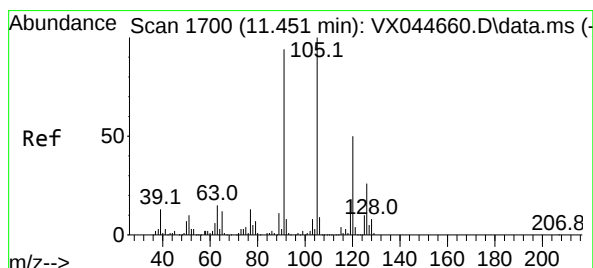
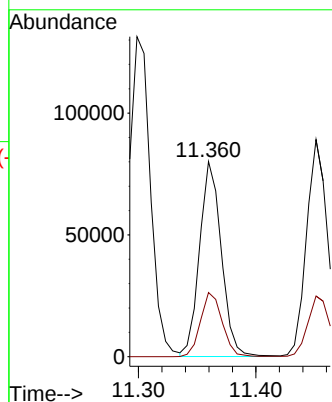
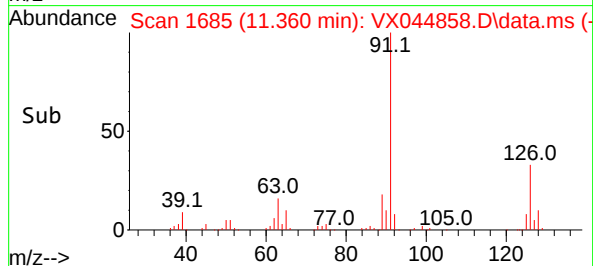
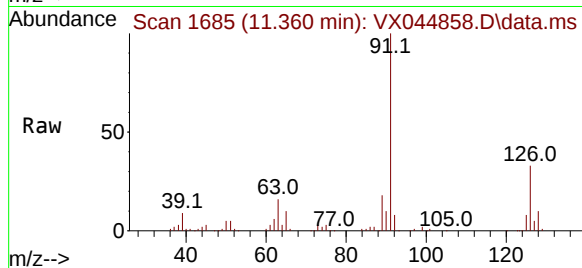
#75
2-Chlorotoluene
Concen: 21.615 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01

Tgt Ion: 91 Resp: 10315
Ion Ratio Lower Upper
91 100
126 32.8 0.0 64.0

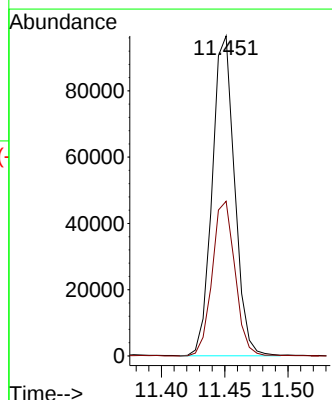
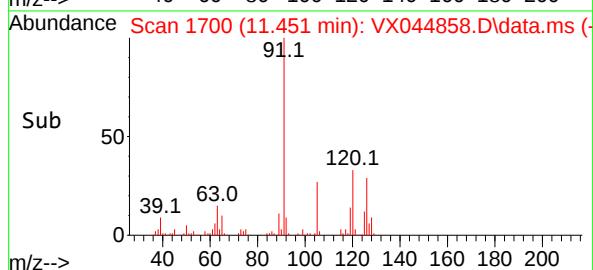
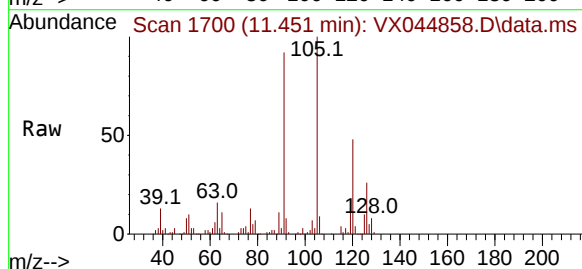
Manual Integrations
APPROVED

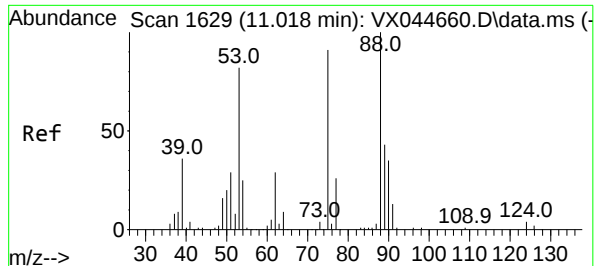
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#76
1,3,5-Trimethylbenzene
Concen: 21.900 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion:105 Resp: 118855
Ion Ratio Lower Upper
105 100
120 49.4 0.0 96.8





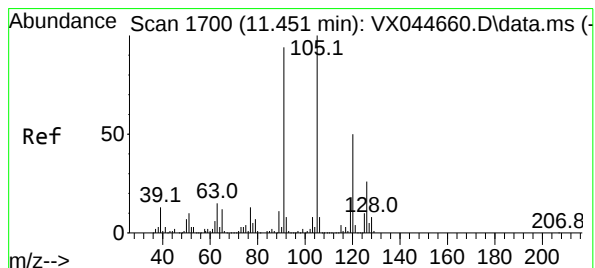
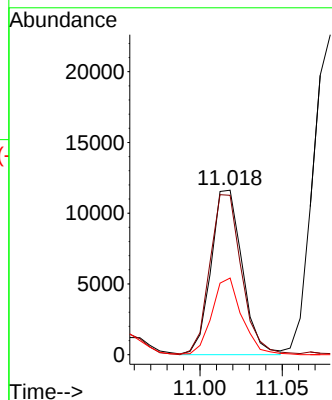
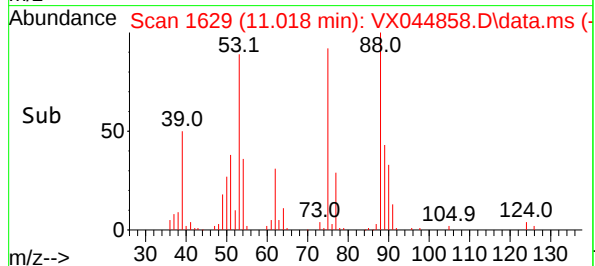
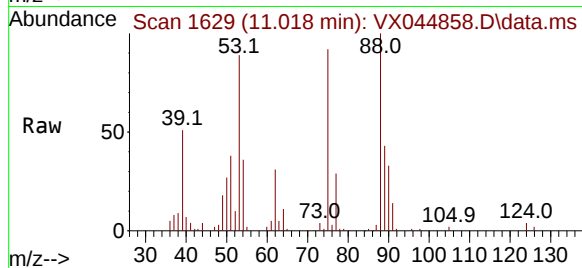
#77
t-1,4-Dichloro-2-butene
Concen: 17.172 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01

Tgt Ion: 75 Resp: 1535
Ion Ratio Lower Upper
75 100
53 97.4 45.3 135.9
89 46.3 23.8 71.2

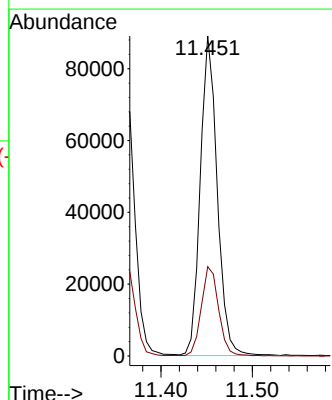
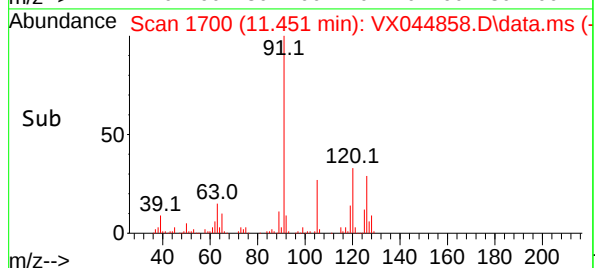
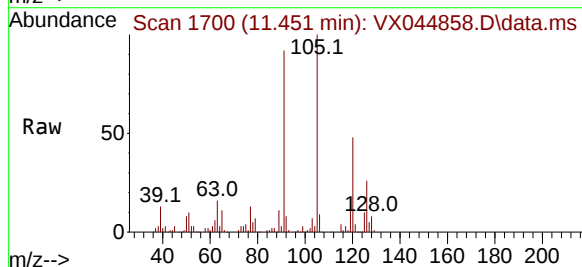
Manual Integrations
APPROVED

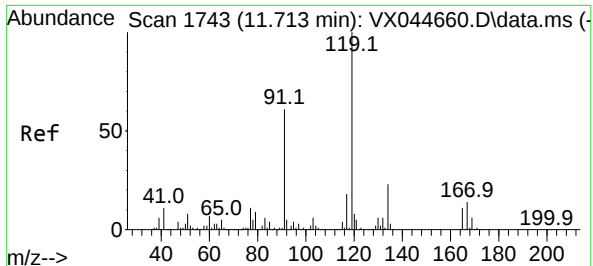
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#78
4-Chlorotoluene
Concen: 21.785 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion: 91 Resp: 114553
Ion Ratio Lower Upper
91 100
126 28.6 0.0 55.4





#79

tert-butylbenzene

Concen: 21.815 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

Tgt Ion:119 Resp: 121630

Ion Ratio Lower Upper

119 100

91 57.8 0.0 119.0

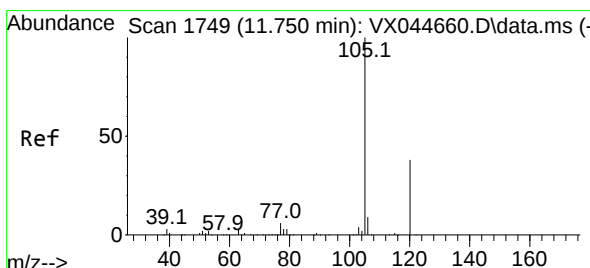
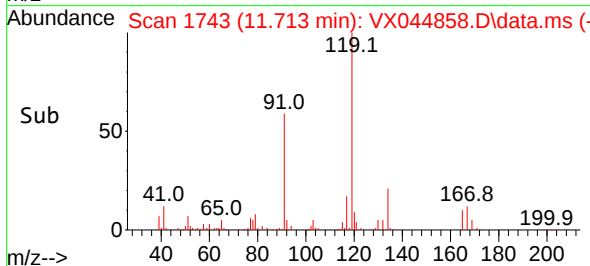
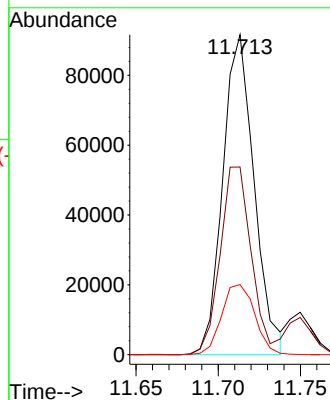
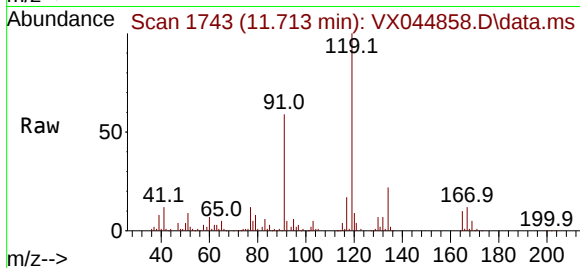
134 23.2 0.0 44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#80

1,2,4-Trimethylbenzene

Concen: 21.689 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044858.D

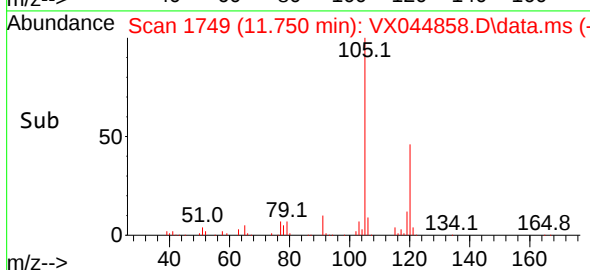
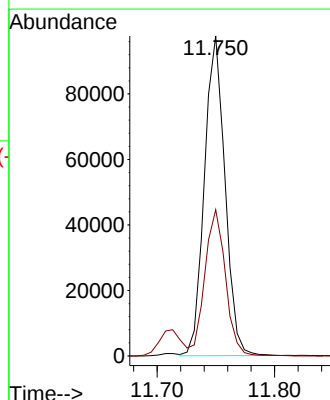
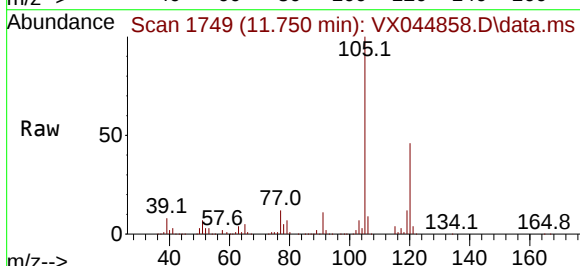
Acq: 07 Feb 2025 11:01

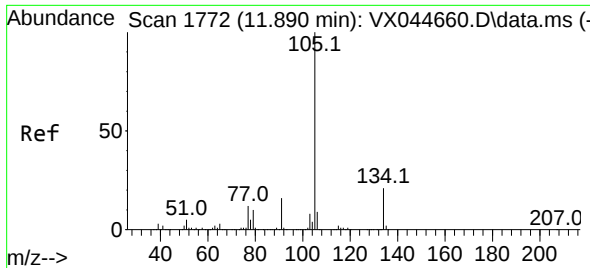
Tgt Ion:105 Resp: 118764

Ion Ratio Lower Upper

105 100

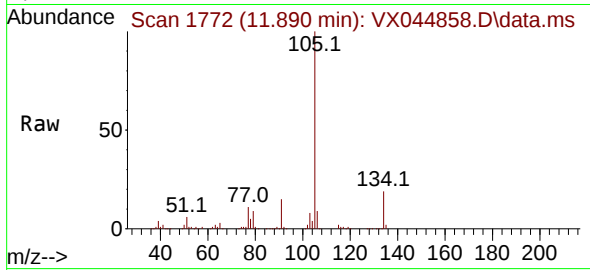
120 45.9 0.0 88.4





#81
 sec-Butylbenzene
 Concen: 22.911 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044858.D
 Acq: 07 Feb 2025 11:01

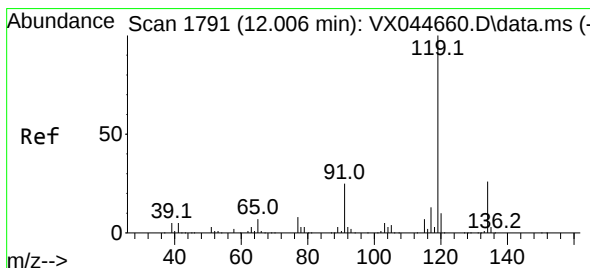
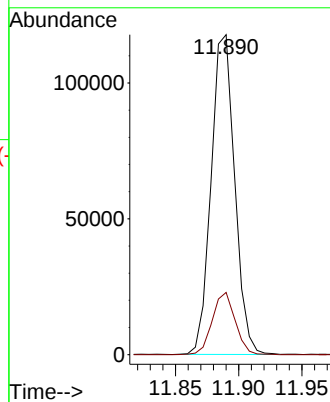
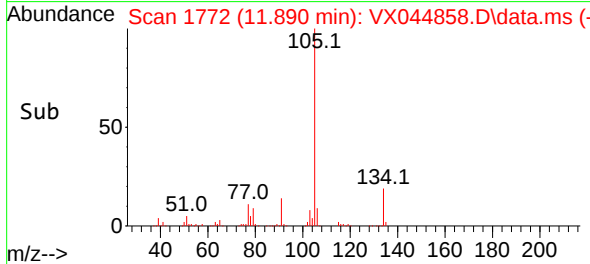
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBSD01



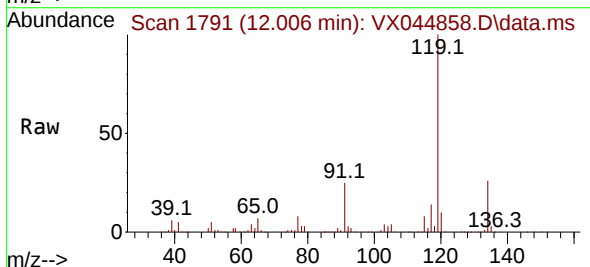
Tgt Ion:105 Resp: 152530
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 39.6

Manual Integrations
 APPROVED

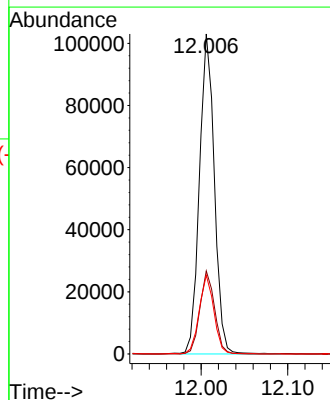
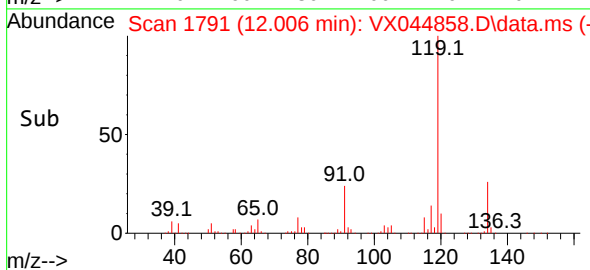
Reviewed By :John Carlone 02/10/2025
 Supervised By :Mahesh Dadoda 02/10/2025

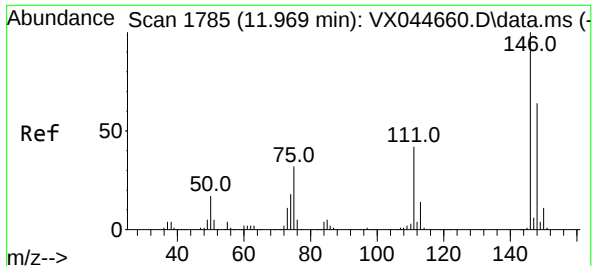


#82
 p-Isopropyltoluene
 Concen: 22.495 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044858.D
 Acq: 07 Feb 2025 11:01



Tgt Ion:119 Resp: 123258
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 52.2
 91 24.2 0.0 50.2





#83

1,3-Dichlorobenzene

Concen: 21.715 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044858.D

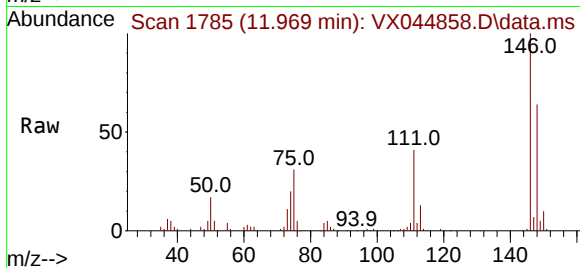
Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01



Tgt Ion:146 Resp: 60048

Ion Ratio Lower Upper

146 100

111 42.0 21.6 64.6

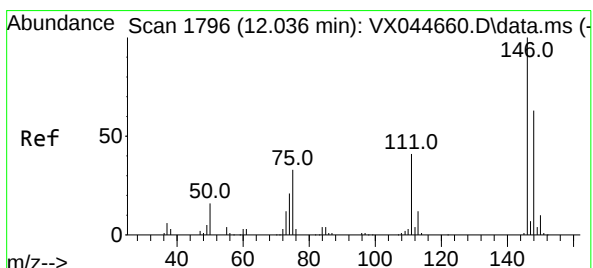
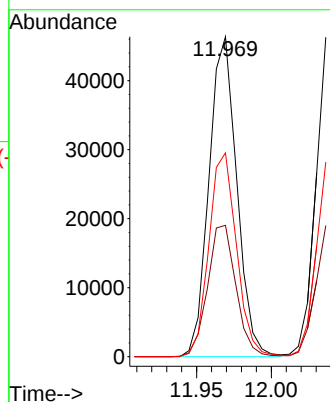
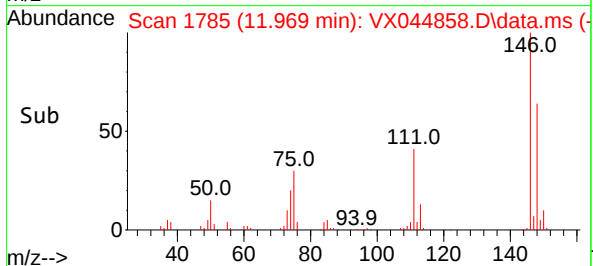
148 63.4 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#84

1,4-Dichlorobenzene

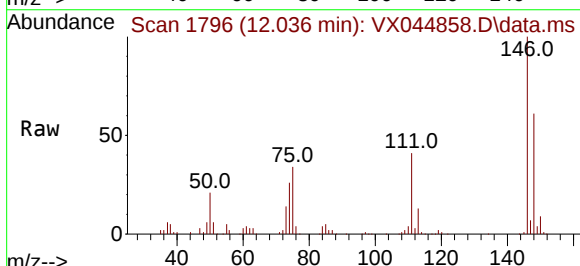
Concen: 22.086 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01



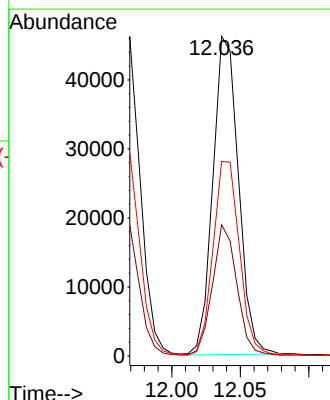
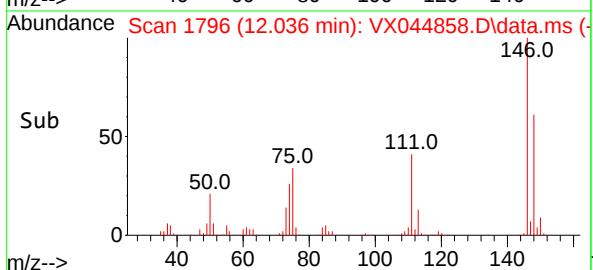
Tgt Ion:146 Resp: 59871

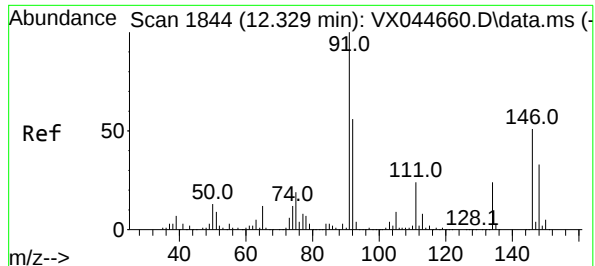
Ion Ratio Lower Upper

146 100

111 39.7 20.8 62.5

148 63.5 32.1 96.5





#85

n-Butylbenzene

Concen: 22.894 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044858.D

Acq: 07 Feb 2025 11:01

Instrument :

MSVOA_X

ClientSampleId :

VX0207WBSD01

Tgt Ion: 91 Resp: 108739

Ion Ratio Lower Upper

91 100

92 54.0 0.0 109.4

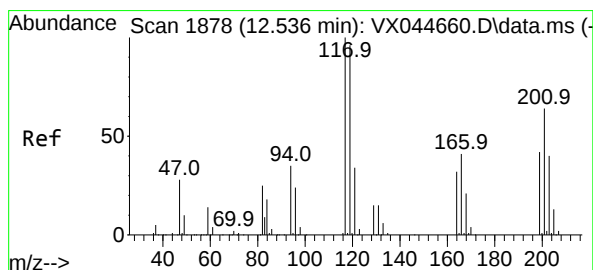
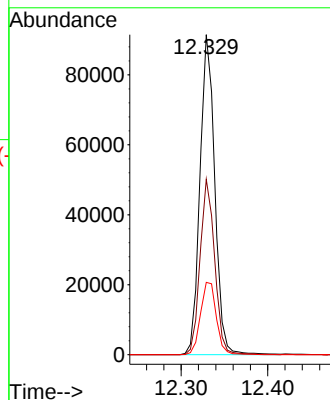
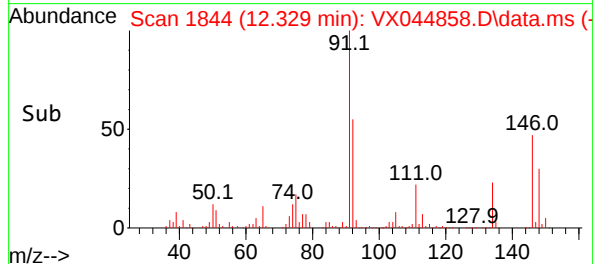
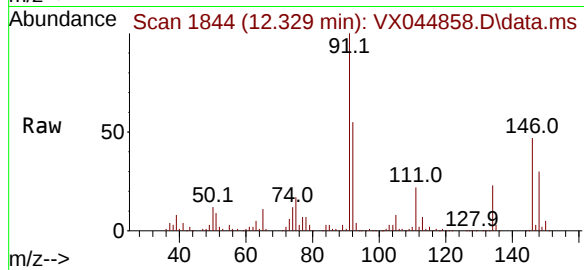
134 24.2 0.0 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/10/2025

Supervised By :Mahesh Dadoda 02/10/2025



#86

Hexachloroethane

Concen: 17.925 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044858.D

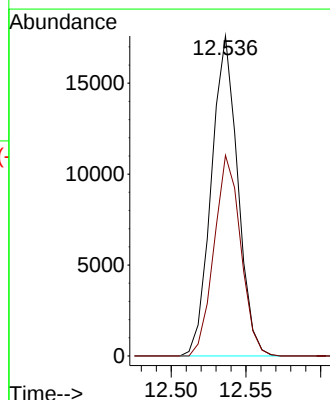
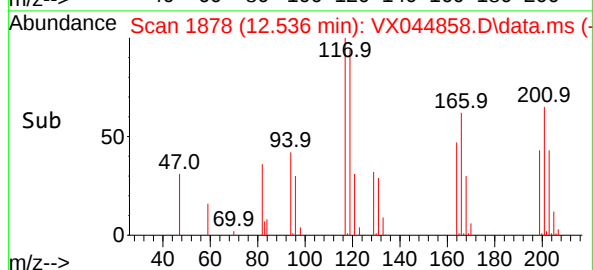
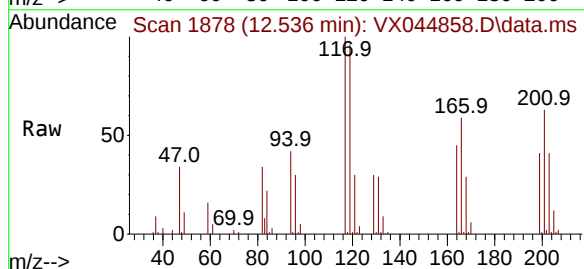
Acq: 07 Feb 2025 11:01

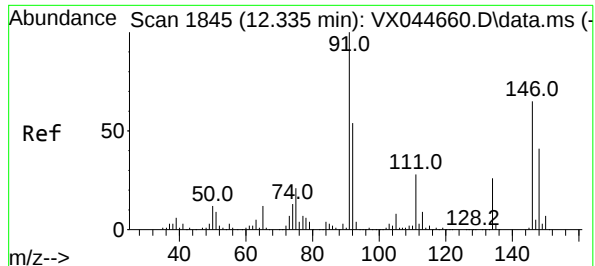
Tgt Ion:117 Resp: 21606

Ion Ratio Lower Upper

117 100

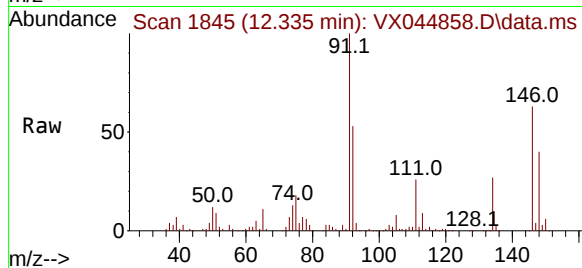
201 63.3 33.0 98.9





#87
1,2-Dichlorobenzene
Concen: 22.105 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

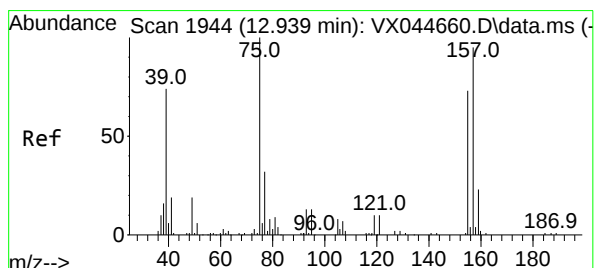
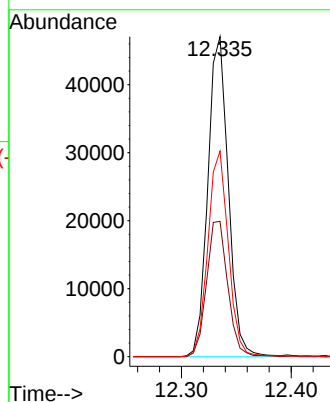
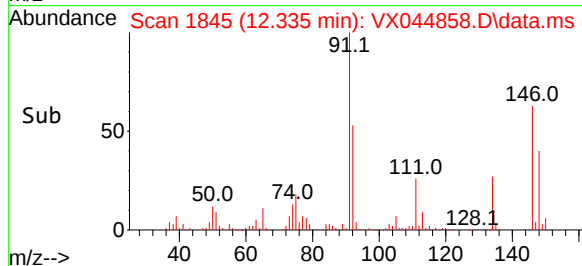
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion:146 Resp: 6104
Ion Ratio Lower Upper
146 100
111 43.7 22.2 66.6
148 64.3 32.1 96.3

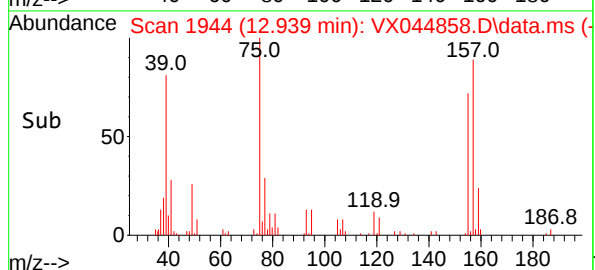
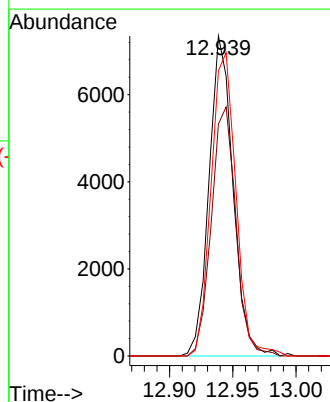
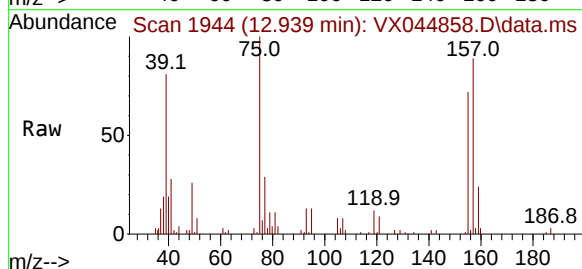
Manual Integrations
APPROVED

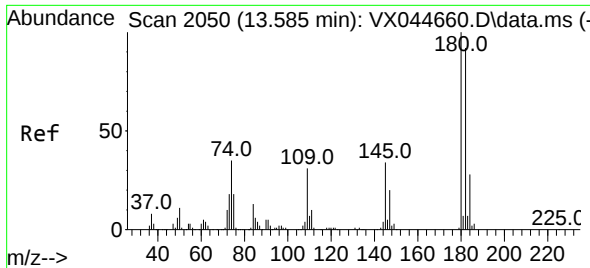
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#88
1,2-Dibromo-3-Chloropropane
Concen: 17.917 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

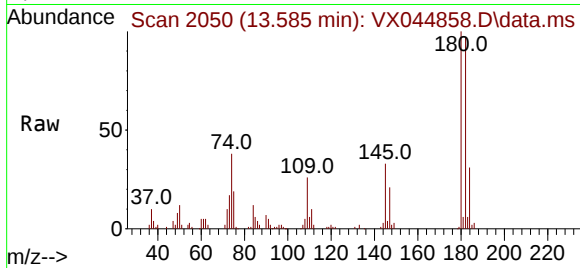
Tgt Ion: 75 Resp: 9695
Ion Ratio Lower Upper
75 100
155 79.3 62.3 93.5
157 98.1 79.9 119.9





#89
1,2,4-Trichlorobenzene
Concen: 20.394 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

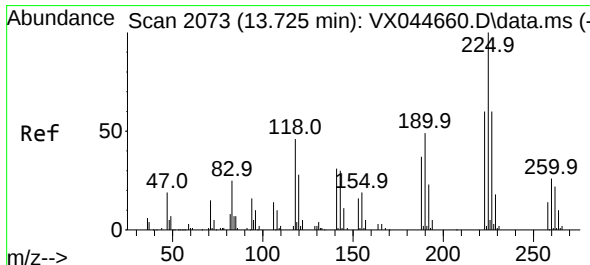
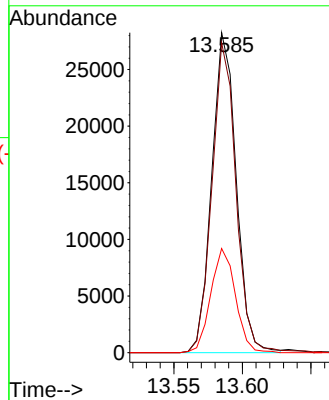
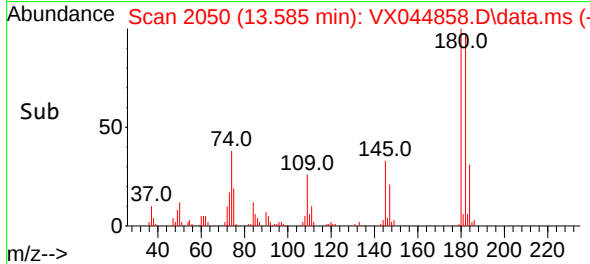
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion:180 Resp: 3499
Ion Ratio Lower Upper
180 100
182 95.6 75.6 113.4
145 32.9 26.6 40.0

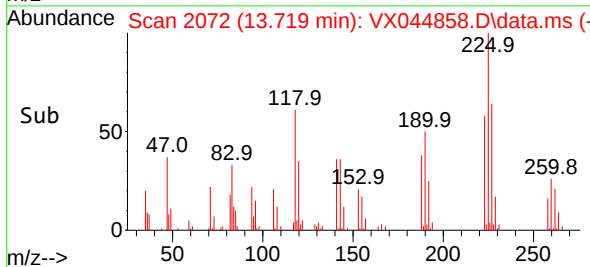
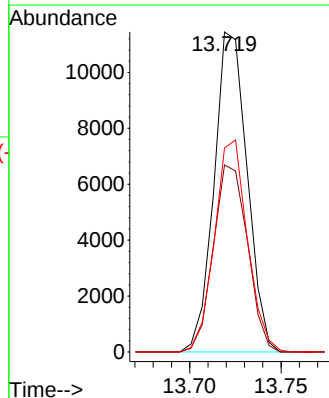
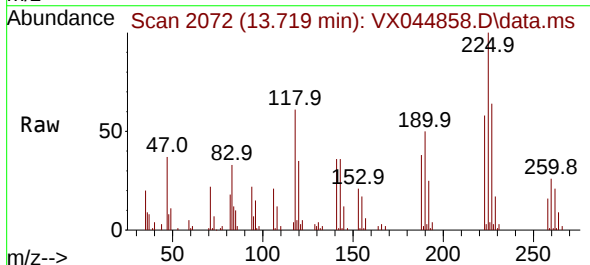
Manual Integrations
APPROVED

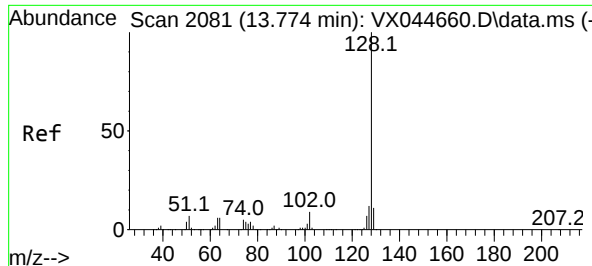
Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#90
Hexachlorobutadiene
Concen: 21.738 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

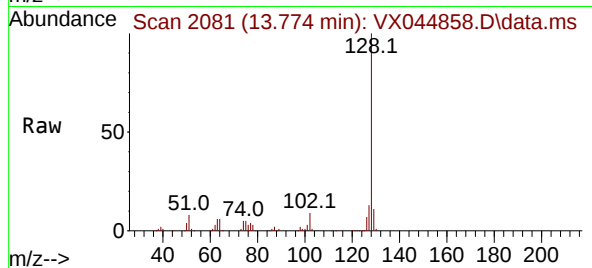
Tgt Ion:225 Resp: 14429
Ion Ratio Lower Upper
225 100
223 60.3 0.0 123.0
227 66.0 0.0 124.2





#91
Naphthalene
Concen: 20.782 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

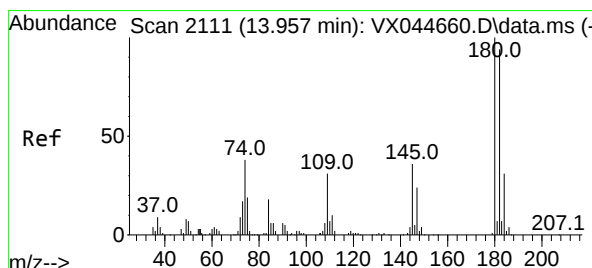
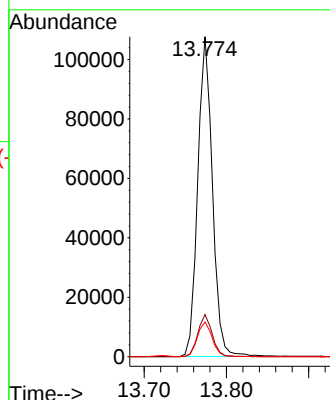
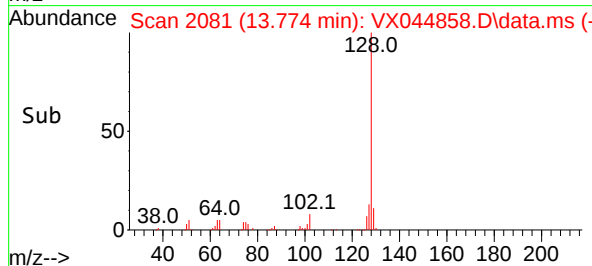
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBSD01



Tgt Ion:128 Resp: 13342
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.0 9.0 13.6

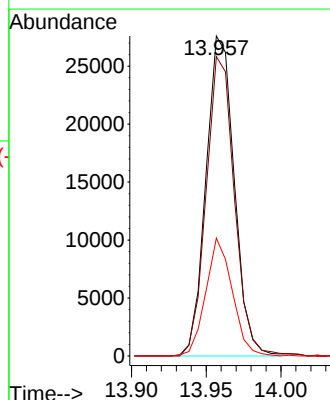
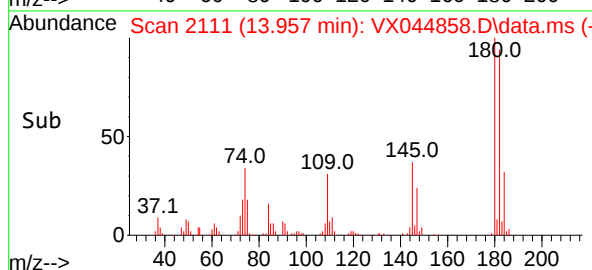
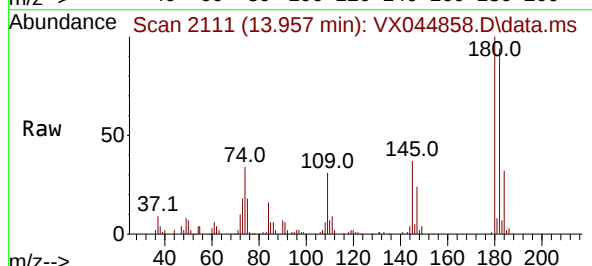
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/10/2025
Supervised By :Mahesh Dadoda 02/10/2025



#92
1,2,3-Trichlorobenzene
Concen: 20.802 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044858.D
Acq: 07 Feb 2025 11:01

Tgt Ion:180 Resp: 36308
Ion Ratio Lower Upper
180 100
182 93.7 0.0 187.8
145 34.6 0.0 69.8





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

Manual Integration Report

Sequence:

VX011625

Instrument

MSVOA_x

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

VX020725

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1319-01	VX044860.D	Chloroform	JOHN	2/7/2025 1:16:37 PM	 	 	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX011625

Review By	Mahesh Dadoda	Review On	1/17/2025 6:39:05 AM
Supervise By	Semsettin Yesilyurt	Supervise On	1/17/2025 6:41:46 AM
SubDirectory	VX011625	HP Acquire Method	HP Processing Method 624X011625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP132565		
Initial Calibration Stds	VP132567,VP132568,VP132569,VP132570,VP132571		
CCC	VP132566,VP132573		
Internal Standard/PEM			
ICV/I.BLK	VP132572		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044658.D	16 Jan 2025 08:02	 	Ok
2	VSTDIC005	VX044659.D	16 Jan 2025 08:39	 	Ok,M
3	VSTDICCC020	VX044660.D	16 Jan 2025 09:02	 	Ok,M
4	VSTDIC050	VX044661.D	16 Jan 2025 09:25	 	Ok,M
5	VSTDIC100	VX044662.D	16 Jan 2025 09:49	 	Ok,M
6	VSTDIC150	VX044663.D	16 Jan 2025 10:12	 	Ok,M
7	IBLK	VX044664.D	16 Jan 2025 10:35	 	Ok
8	VSTDICV020	VX044665.D	16 Jan 2025 11:45	 	Ok,M
9	VX0116WBS01	VX044666.D	16 Jan 2025 12:15	 	Ok,M
10	VX0116WBSD01	VX044667.D	16 Jan 2025 12:42	 	Ok,M
11	VX0116WBL01	VX044668.D	16 Jan 2025 13:05	 	Ok
12	Q1083-01	VX044669.D	16 Jan 2025 13:33	 	Ok
13	Q1083-02	VX044670.D	16 Jan 2025 13:55	 	Ok
14	IBLK	VX044671.D	16 Jan 2025 14:18	 	Ok
15	P4368-09 2.5PPB	VX044672.D	16 Jan 2025 14:46	 	Ok,M
16	VSTDCCC020	VX044673.D	16 Jan 2025 16:04	 	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX020725

Review By	John Carlone	Review On	2/7/2025 1:17:07 PM
Supervise By		Supervise On	
SubDirectory	VX020725	HP Acquire Method	HP Processing Method 624X011625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132924		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132925,VP132926		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044855.D	07 Feb 2025 09:33	JC/MD	Ok
2	VSTDCCC020	VX044856.D	07 Feb 2025 10:01	JC/MD	Ok,NR
3	VX0207WBS01	VX044857.D	07 Feb 2025 10:33	JC/MD	Ok,NR
4	VX0207WBSD01	VX044858.D	07 Feb 2025 11:01	JC/MD	Ok,NR
5	VX0207WBL01	VX044859.D	07 Feb 2025 11:24	JC/MD	Ok
6	Q1319-01	VX044860.D	07 Feb 2025 11:53	JC/MD	Ok,NS
7	Q1319-02	VX044861.D	07 Feb 2025 12:16	JC/MD	Ok
8	Q1316-01	VX044862.D	07 Feb 2025 12:39	JC/MD	Ok
9	Q1316-02	VX044863.D	07 Feb 2025 13:02	JC/MD	Ok
10	IBLK	VX044864.D	07 Feb 2025 13:25	JC/MD	Ok
11	Q1322-01	VX044865.D	07 Feb 2025 13:48	JC/MD	Ok,NR
12	VSTDCCC020	VX044866.D	07 Feb 2025 15:43	JC/MD	Ok,NR

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX011625

Review By	Mahesh Dadoda	Review On	1/17/2025 6:39:05 AM
Supervise By	Semsettin Yesilyurt	Supervise On	1/17/2025 6:41:46 AM
SubDirectory	VX011625	HP Acquire Method	HP Processing Method 624X011625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132565
Initial Calibration Stds	VP132567,VP132568,VP132569,VP132570,VP132571
CCC	VP132566,VP132573
Internal Standard/PEM	
ICV/I.BLK	VP132572
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044658.D	16 Jan 2025 08:02		 	Ok
2	VSTDIC005	VSTDIC005	VX044659.D	16 Jan 2025 08:39	V13516	 	Ok,M
3	VSTDICCC020	VSTDICCC020	VX044660.D	16 Jan 2025 09:02		 	Ok,M
4	VSTDIC050	VSTDIC050	VX044661.D	16 Jan 2025 09:25		 	Ok,M
5	VSTDIC100	VSTDIC100	VX044662.D	16 Jan 2025 09:49		 	Ok,M
6	VSTDIC150	VSTDIC150	VX044663.D	16 Jan 2025 10:12		 	Ok,M
7	IBLK	IBLK	VX044664.D	16 Jan 2025 10:35		 	Ok
8	VSTDICV020	ICVVX011625	VX044665.D	16 Jan 2025 11:45		 	Ok,M
9	VX0116WBS01	VX0116WBS01	VX044666.D	16 Jan 2025 12:15		 	Ok,M
10	VX0116WBSD01	VX0116WBSD01	VX044667.D	16 Jan 2025 12:42		 	Ok,M
11	VX0116WBL01	VX0116WBL01	VX044668.D	16 Jan 2025 13:05		 	Ok
12	Q1083-01	001-WILLETTS-PT-BLVD	VX044669.D	16 Jan 2025 13:33	vial A pH<2	 	Ok
13	Q1083-02	002-35TH-AVE(DEC)	VX044670.D	16 Jan 2025 13:55	vial A pH<2	 	Ok
14	IBLK	IBLK	VX044671.D	16 Jan 2025 14:18		 	Ok
15	P4368-09 2.5PPB	MDL-WATER-03-QT4-2	VX044672.D	16 Jan 2025 14:46		 	Ok,M
16	VSTDCC020	VSTDCC020EC	VX044673.D	16 Jan 2025 16:04		 	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX020725

Review By	John Carlone	Review On	2/7/2025 1:17:07 PM
Supervise By		Supervise On	
SubDirectory	VX020725	HP Acquire Method	HP Processing Method 624X011625W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP132924
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132925,VP132926

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044855.D	07 Feb 2025 09:33		JC/MD	Ok
2	VSTDCCC020	VSTDCCC020	VX044856.D	07 Feb 2025 10:01	V13516	JC/MD	Ok,NR
3	VX0207WBS01	VX0207WBS01	VX044857.D	07 Feb 2025 10:33		JC/MD	Ok,NR
4	VX0207WBSD01	VX0207WBSD01	VX044858.D	07 Feb 2025 11:01		JC/MD	Ok,NR
5	VX0207WBL01	VX0207WBL01	VX044859.D	07 Feb 2025 11:24		JC/MD	Ok
6	Q1319-01	001-WILLETS-PT-BLVD	VX044860.D	07 Feb 2025 11:53	vial A pH<2	JC/MD	Ok,NS
7	Q1319-02	002-35TH-AVE(JAN)	VX044861.D	07 Feb 2025 12:16	vial A pH<2	JC/MD	Ok
8	Q1316-01	001-WILLETS-PT-BLVD	VX044862.D	07 Feb 2025 12:39		JC/MD	Ok
9	Q1316-02	002-35TH-AVE(FEB)	VX044863.D	07 Feb 2025 13:02		JC/MD	Ok
10	IBLK	IBLK	VX044864.D	07 Feb 2025 13:25		JC/MD	Ok
11	Q1322-01	MANHOLE	VX044865.D	07 Feb 2025 13:48		JC/MD	Ok,NR
12	VSTDCCC020	VSTDCCC020EC	VX044866.D	07 Feb 2025 15:43		JC/MD	Ok,NR

M : Manual Integration



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Tally Environmental Inc
ADDRESS: 57 Seaview Blvd
CITY: Pt Washington STATE: NY ZIP: 11050
ATTENTION: D Dene
PHONE: 718 4467000 FAX: 718 4461484

CLIENT PROJECT INFORMATION

PROJECT NAME: Transfer Station SPDES
PROJECT NO.: 252113 LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
1.	001 Willets Pt Blvd (Jan)	W		X	2/5	1pm	2	X										
2.	002 35th Ave (Jan)	W		X	2/5	1pm	2	X										
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. <u>D Dene</u>	DATE/TIME: <u>2/5/25</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>4.9°C</u>
RELINQUISHED BY SAMPLER: 2. <u>FedEx</u>	DATE/TIME: <u>1-6-25</u> <u>1042</u>	RECEIVED BY: 2. <u>[Signature]</u>	Comments: _____
RELINQUISHED BY SAMPLER: 3. _____	DATE/TIME: _____	RECEIVED BY: 3. _____	Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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 : Q1319	TULL01	Order Date : 2/6/2025 11:02:00 AM	Project Mgr :
Client Name : Tully Environmental, Inc		Project Name : Transfer Station-SPDES	Report Type : Results Only
Client Contact : Dean Devoe		Receive DateTime : 2/6/2025 10:42:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Tully Environmental, Inc		Purchase Order :	Hard Copy Date :
Invoice Contact : Dean Devoe			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1319-01	001-WILLETS-PT-BLVD(JAN)	Water	02/05/2025	13:00	VOC-BTEX		624.1	10 Bus. Days	1 Day
Q1319-02	002-35TH-AVE(JAN)	Water	02/05/2025	13:00	VOC-BTEX		624.1	10 Bus. Days	1

Relinquished By :

Date / Time :


1/6/25 1135

Received By :

Date / Time :


1/6/25 11:35

Storage Area : VOA Refridgerator Room