

Cover Page

Order ID : Q2001

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number

Q2001-01
Q2001-02
Q2001-03
Q2001-04
Q2001-05
Q2001-06
Q2001-07
Q2001-08
Q2001-09
Q2001-10
Q2001-11
Q2001-12
Q2001-13
Q2001-14
Q2001-15
Q2001-16

Client Sample Number

WC-A4-03-G
WC-A4-03-C
WC-A4-03-C
WC-A4-03-C
WC-A1-05-G
WC-A1-05-C
WC-A1-05-C
WC-A1-05-C
WC-A1-06-G
WC-A1-06-C
WC-A1-06-C
WC-A1-06-C
WC-A1-07-G
WC-A1-07-C
WC-A1-07-C
WC-A1-07-C

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 5/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2001

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 05/16/2025

LAB CHRONICLE

OrderID:	Q2001	OrderDate:	5/9/2025 11:54:00 AM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	L61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2001-01	WC-A4-03-G	TCLP			05/06/25			05/09/25
			TCLP VOA	8260D			05/13/25	
Q2001-05	WC-A1-05-G	TCLP			05/07/25			05/09/25
			TCLP VOA	8260D			05/13/25	
Q2001-05DL	WC-A1-05-GDL	TCLP			05/07/25			05/09/25
			TCLP VOA	8260D			05/14/25	
Q2001-09	WC-A1-06-G	TCLP			05/08/25			05/09/25
			TCLP VOA	8260D			05/13/25	
Q2001-09DL	WC-A1-06-GDL	TCLP			05/08/25			05/09/25
			TCLP VOA	8260D			05/14/25	
Q2001-13	WC-A1-07-G	TCLP			05/08/25			05/09/25
			TCLP VOA	8260D			05/13/25	
Q2001-13DL	WC-A1-07-GDL	TCLP			05/08/25			05/09/25
			TCLP VOA	8260D			05/14/25	

Hit Summary Sheet
SW-846

SDG No.: Q2001

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	WC-A4-03-G							
Q2001-01	WC-A4-03-G	TCLP	Vinyl Chloride	1.00	J	0.26	5.00	ug/L
Q2001-01	WC-A4-03-G	TCLP	Benzene	20.3		0.15	5.00	ug/L
Q2001-01	WC-A4-03-G	TCLP	Trichloroethene	1.30	J	0.090	5.00	ug/L
			Total Voc :	22.6				
			Total Concentration:	22.6				
Client ID:	WC-A1-05-G							
Q2001-05	WC-A1-05-G	TCLP	Vinyl Chloride	20.5		0.26	5.00	ug/L
Q2001-05	WC-A1-05-G	TCLP	2-Butanone	5.20	J	0.98	25.0	ug/L
Q2001-05	WC-A1-05-G	TCLP	Benzene	380	E	0.15	5.00	ug/L
			Total Voc :	406				
			Total Concentration:	406				
Client ID:	WC-A1-05-GDL							
Q2001-05DL	WC-A1-05-GDL	TCLP	Vinyl Chloride	20.5	JD	2.60	50.0	ug/L
Q2001-05DL	WC-A1-05-GDL	TCLP	Benzene	370	D	1.50	50.0	ug/L
			Total Voc :	391				
			Total Concentration:	391				
Client ID:	WC-A1-06-G							
Q2001-09	WC-A1-06-G	TCLP	Benzene	1000	E	0.15	5.00	ug/L
			Total Voc :	1000				
			Total Concentration:	1000				
Client ID:	WC-A1-06-GDL							
Q2001-09DL	WC-A1-06-GDL	TCLP	Benzene	1100	D	3.00	100	ug/L
			Total Voc :	1100				
			Total Concentration:	1100				
Client ID:	WC-A1-07-G							
Q2001-13	WC-A1-07-G	TCLP	Benzene	1800	E	0.15	5.00	ug/L
			Total Voc :	1800				
			Total Concentration:	1800				
Client ID:	WC-A1-07-GDL							
Q2001-13DL	WC-A1-07-GDL	TCLP	Benzene	1700	D	6.00	200	ug/L
			Total Voc :	1700				
			Total Concentration:	1700				



QC SUMMARY

Surrogate Summary

SDG No.: Q2001

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2001-01	WC-A4-03-G	1,2-Dichloroethane-d4	50	55.0	110	70 (74)	130 (125)
		Dibromofluoromethane	50	42.2	84	70 (75)	130 (124)
		Toluene-d8	50	52.0	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.0	104	70 (77)	130 (121)
Q2001-05	WC-A1-05-G	1,2-Dichloroethane-d4	50	51.6	103	70 (74)	130 (125)
		Dibromofluoromethane	50	40.8	82	70 (75)	130 (124)
		Toluene-d8	50	51.6	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.1	108	70 (77)	130 (121)
Q2001-05DL	WC-A1-05-GDL	1,2-Dichloroethane-d4	50	52.5	105	70 (74)	130 (125)
		Dibromofluoromethane	50	50.0	100	70 (75)	130 (124)
		Toluene-d8	50	50.5	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.6	107	70 (77)	130 (121)
Q2001-09	WC-A1-06-G	1,2-Dichloroethane-d4	50	51.3	103	70 (74)	130 (125)
		Dibromofluoromethane	50	42.3	85	70 (75)	130 (124)
		Toluene-d8	50	51.1	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.5	105	70 (77)	130 (121)
Q2001-09DL	WC-A1-06-GDL	1,2-Dichloroethane-d4	50	52.9	106	70 (74)	130 (125)
		Dibromofluoromethane	50	50.2	100	70 (75)	130 (124)
		Toluene-d8	50	49.7	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.6	103	70 (77)	130 (121)
Q2001-13	WC-A1-07-G	1,2-Dichloroethane-d4	50	51.0	102	70 (74)	130 (125)
		Dibromofluoromethane	50	36.4	73	70 (75)	130 (124)
		Toluene-d8	50	51.1	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.4	107	70 (77)	130 (121)
Q2001-13DL	WC-A1-07-GDL	1,2-Dichloroethane-d4	50	52.5	105	70 (74)	130 (125)
		Dibromofluoromethane	50	49.6	99	70 (75)	130 (124)
		Toluene-d8	50	50.9	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.9	106	70 (77)	130 (121)

Surrogate Summary

SDG No.: Q2001

Client: ENTACT

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VX0513WBL01	VX0513WBL01	1,2-Dichloroethane-d4	50	53.8	108	70 (74)	130 (125)
		Dibromofluoromethane	50	51.5	103	70 (75)	130 (124)
		Toluene-d8	50	50.4	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.2	100	70 (77)	130 (121)
VX0513WBS01	VX0513WBS01	1,2-Dichloroethane-d4	50	51.5	103	70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.3	99	70 (77)	130 (121)
VX0513WBSD0	VX0513WBSD01	1,2-Dichloroethane-d4	50	52.2	104	70 (74)	130 (125)
		Dibromofluoromethane	50	51.9	104	70 (75)	130 (124)
		Toluene-d8	50	51.1	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.4	101	70 (77)	130 (121)
VX0514WBL01	VX0514WBL01	1,2-Dichloroethane-d4	50	53.7	107	70 (74)	130 (125)
		Dibromofluoromethane	50	51.2	102	70 (75)	130 (124)
		Toluene-d8	50	50.1	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.1	102	70 (77)	130 (121)
VX0514WBS01	VX0514WBS01	1,2-Dichloroethane-d4	50	52.1	104	70 (74)	130 (125)
		Dibromofluoromethane	50	51.2	102	70 (75)	130 (124)
		Toluene-d8	50	51.3	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.2	100	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2001

Client: ENTACT

Analytical Method: SW8260-Low

Datafile : VX046158.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0513WBS01	Vinyl chloride	20	19.0	ug/L	95			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.9	ug/L	95			70 (74)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.4	ug/L	97			70 (77)	130 (113)	
	Chloroform	20	21.0	ug/L	105			70 (79)	130 (113)	
	Benzene	20	20.0	ug/L	100			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.2	ug/L	101			70 (80)	130 (115)	
	Trichloroethene	20	19.0	ug/L	95			70 (77)	130 (113)	
	Tetrachloroethene	20	20.1	ug/L	101			70 (67)	130 (123)	
	Chlorobenzene	20	19.7	ug/L	99			70 (82)	130 (109)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2001

Client: ENTACT

Analytical Method: SW8260-Low

Datafile : VX046159.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0513WBSD01	Vinyl chloride	20	18.1	ug/L	91	4		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	18.8	ug/L	94	1		70 (74)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	10		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.9	ug/L	100	3		70 (77)	130 (113)	20 (20)
	Chloroform	20	20.4	ug/L	102	3		70 (79)	130 (113)	20 (20)
	Benzene	20	19.8	ug/L	99	1		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.8	ug/L	104	3		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.0	ug/L	100	5		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	19.7	ug/L	99	2		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.2	ug/L	96	3		70 (82)	130 (109)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2001

Client: ENTACT

Analytical Method: SW8260-Low

Datafile : VX046188.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0514WBS01	Vinyl chloride	20	18.8	ug/L	94			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.9	ug/L	95			70 (74)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.3	ug/L	97			70 (77)	130 (113)	
	Chloroform	20	20.6	ug/L	103			70 (79)	130 (113)	
	Benzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.1	ug/L	101			70 (80)	130 (115)	
	Trichloroethene	20	18.9	ug/L	95			70 (77)	130 (113)	
	Tetrachloroethene	20	18.5	ug/L	93			70 (67)	130 (123)	
	Chlorobenzene	20	19.0	ug/L	95			70 (82)	130 (109)	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0513WBL01

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001

SAS No.: Q2001 SDG NO.: Q2001

Lab File ID: VX046155.D

Lab Sample ID: VX0513WBL01

Date Analyzed: 05/13/2025

Time Analyzed: 10:52

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
VX0513WBS01	VX0513WBS01	VX046158.D	05/13/2025
VX0513WBSD01	VX0513WBSD01	VX046159.D	05/13/2025
WC-A4-03-G	Q2001-01	VX046163.D	05/13/2025
WC-A1-05-G	Q2001-05	VX046164.D	05/13/2025
WC-A1-06-G	Q2001-09	VX046165.D	05/13/2025
WC-A1-07-G	Q2001-13	VX046166.D	05/13/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0514WBL01

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: Q2001

SAS No.: Q2001 SDG NO.: Q2001

Lab File ID: VX046183.D

Lab Sample ID: VX0514WBL01

Date Analyzed: 05/14/2025

Time Analyzed: 10:50

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
VX0514WBS01	VX0514WBS01	VX046188.D	05/14/2025
WC-A1-05-GDL	Q2001-05DL	VX046190.D	05/14/2025
WC-A1-06-GDL	Q2001-09DL	VX046191.D	05/14/2025
WC-A1-07-GDL	Q2001-13DL	VX046192.D	05/14/2025

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001
Lab File ID: VX046038.D BFB Injection Date: 05/05/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:37
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	22.1
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 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
VSTDIC020	VSTDIC020	VX046041.D	05/05/2025	11:35
VSTDIC050	VSTDIC050	VX046042.D	05/05/2025	11:58
VSTDIC100	VSTDIC100	VX046043.D	05/05/2025	12:21
VSTDIC150	VSTDIC150	VX046044.D	05/05/2025	12:45
VSTDIC005	VSTDIC005	VX046046.D	05/05/2025	16:04
VSTDIC001	VSTDIC001	VX046047.D	05/05/2025	16:27



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001
Lab File ID: VX046152.D BFB Injection Date: 05/13/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:29
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	22.8
75	30.0 - 60.0% of mass 95	58.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	68.6
175	5.0 - 9.0% of mass 174	4.8 (7) 1
176	95.0 - 101.0% of mass 174	66.3 (96.7) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046153.D	05/13/2025	10:00
VX0513WBL01	VX0513WBL01	VX046155.D	05/13/2025	10:52
VX0513WBS01	VX0513WBS01	VX046158.D	05/13/2025	12:02
VX0513WBSD01	VX0513WBSD01	VX046159.D	05/13/2025	12:28
WC-A4-03-G	Q2001-01	VX046163.D	05/13/2025	14:01
WC-A1-05-G	Q2001-05	VX046164.D	05/13/2025	14:25
WC-A1-06-G	Q2001-09	VX046165.D	05/13/2025	14:48
WC-A1-07-G	Q2001-13	VX046166.D	05/13/2025	15:11



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001
Lab File ID: VX046180.D BFB Injection Date: 05/14/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:29
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	22.1
75	30.0 - 60.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.2 (0.3) 1
174	50.0 - 100.0% of mass 95	69
175	5.0 - 9.0% of mass 174	5.2 (7.5) 1
176	95.0 - 101.0% of mass 174	65.9 (95.5) 1
177	5.0 - 9.0% of mass 176	4.1 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046181.D	05/14/2025	09:59
VX0514WBL01	VX0514WBL01	VX046183.D	05/14/2025	10:50
VX0514WBS01	VX0514WBS01	VX046188.D	05/14/2025	12:46
WC-A1-05-GDL	Q2001-05DL	VX046190.D	05/14/2025	13:35
WC-A1-06-GDL	Q2001-09DL	VX046191.D	05/14/2025	13:59
WC-A1-07-GDL	Q2001-13DL	VX046192.D	05/14/2025	14:22

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001
 Lab File ID: VX046153.D Date Analyzed: 05/13/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:00
 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	98502	5.54	167387	6.75	146749	10.05
UPPER LIMIT	197004	6.043	334774	7.25	293498	10.549
LOWER LIMIT	49251	5.043	83693.5	6.25	73374.5	9.549
EPA SAMPLE NO.						
WC-A4-03-G	60233	5.55	120477	6.76	113675	10.05
WC-A1-05-G	61818	5.55	120158	6.76	115770	10.06
WC-A1-06-G	69385	5.55	132178	6.76	122795	10.06
WC-A1-07-G	63010	5.55	118470	6.76	115809	10.06
VX0513WBL01	67277	5.55	133345	6.76	124650	10.05
VX0513WBS01	89387	5.54	160585	6.76	139963	10.06
VX0513WBSD01	85900	5.54	148923	6.76	132995	10.05

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001
 Lab File ID: VX046153.D Date Analyzed: 05/13/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:00
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	70437	12.018				
UPPER LIMIT	140874	12.518				
LOWER LIMIT	35218.5	11.518				
EPA SAMPLE NO.						
WC-A4-03-G	50921	12.02				
WC-A1-05-G	55282	12.02				
WC-A1-06-G	59221	12.02				
WC-A1-07-G	55553	12.02				
VX0513WBL01	52712	12.02				
VX0513WBS01	64268	12.02				
VX0513WBSD01	62827	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001
 Lab File ID: VX046181.D Date Analyzed: 05/14/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:59
 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	92522	5.54	155707	6.76	140519	10.05
UPPER LIMIT	185044	6.043	311414	7.257	281038	10.549
LOWER LIMIT	46261	5.043	77853.5	6.257	70259.5	9.549
EPA SAMPLE NO.						
WC-A1-05-GDL	65402	5.55	130804	6.76	123296	10.05
WC-A1-06-GDL	63265	5.55	127738	6.76	121763	10.05
WC-A1-07-GDL	63191	5.54	125362	6.76	121345	10.06
VX0514WBL01	66143	5.55	133003	6.76	124085	10.05
VX0514WBS01	87880	5.55	155746	6.76	138245	10.05

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG NO.: Q2001
 Lab File ID: VX046181.D Date Analyzed: 05/14/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:59
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	65751	12.018				
UPPER LIMIT	131502	12.518				
LOWER LIMIT	32875.5	11.518				
EPA SAMPLE NO.						
WC-A1-05-GDL	57275	12.02				
WC-A1-06-GDL	54212	12.02				
WC-A1-07-GDL	53363	12.02				
VX0514WBL01	54666	12.02				
VX0514WBS01	63286	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	05/06/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/09/25
Client Sample ID:	WC-A4-03-G	SDG No.:	Q2001
Lab Sample ID:	Q2001-01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046163.D	1		05/13/25 14:01	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	1.00	J	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	20.3		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	1.30	J	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	42.2		70 (75) - 130 (124)	84%	SPK: 50
2037-26-5	Toluene-d8	52.0		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60200	5.55			
540-36-3	1,4-Difluorobenzene	120000	6.757			
3114-55-4	Chlorobenzene-d5	114000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	50900	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046163.D
 Acq On : 13 May 2025 14:01
 Operator : JC/MD
 Sample : Q2001-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A4-03-G

Quant Time: May 14 01:39:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

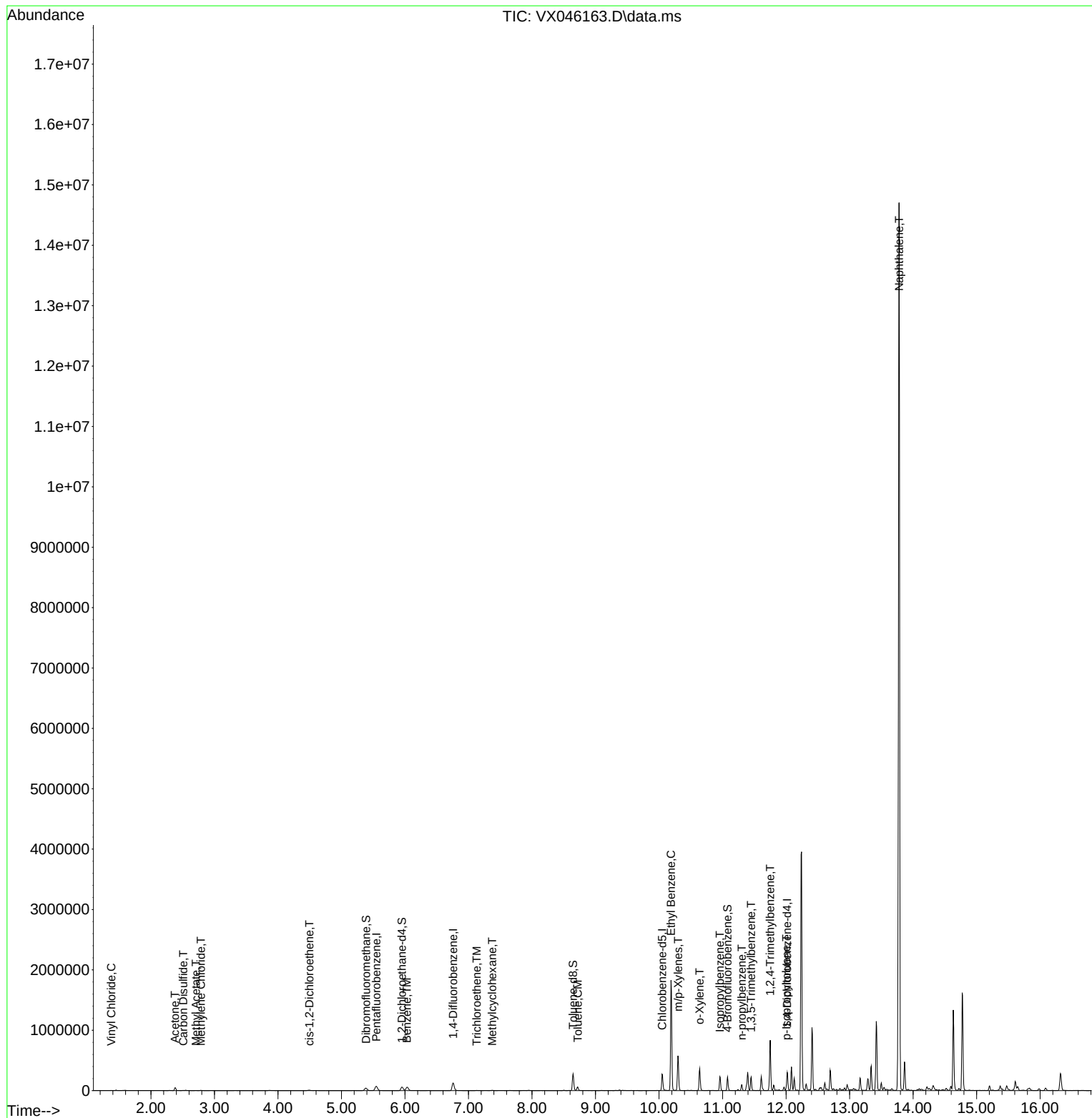
Internal Standards						
1) Pentafluorobenzene	5.550	168	60233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	120477	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	113675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61766	55.004	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.000%			
35) Dibromofluoromethane	5.385	113	36650	42.245	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 84.480%			
50) Toluene-d8	8.647	98	156211	52.023	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.040%			
62) 4-Bromofluorobenzene	11.079	95	59888	51.995	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.980%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	867	1.042	ug/l #	83
16) Acetone	2.380	43	55166	122.524	ug/l	97
17) Carbon Disulfide	2.508	76	4536	2.679	ug/l #	94
18) Methyl Acetate	2.709	43	1623	1.553	ug/l	93
20) Methylene Chloride	2.788	84	2399	2.780	ug/l #	89
27) cis-1,2-Dichloroethene	4.495	96	5066	5.859	ug/l	89
39) Methylcyclohexane	7.373	83	1927	1.284	ug/l #	85
40) Benzene	6.031	78	69237	20.278	ug/l	100
44) Trichloroethene	7.129	130	1104	1.343	ug/l	94
52) Toluene	8.720	92	22661	10.824	ug/l	99
67) Ethyl Benzene	10.189	91	1012226	230.797	ug/l	100
68) m/p-Xylenes	10.299	106	119909	74.753	ug/l	98
69) o-Xylene	10.640	106	69910	44.705	ug/l	96
73) Isopropylbenzene	10.957	105	116726	29.444	ug/l	100
78) n-propylbenzene	11.305	91	60523	13.130	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	96138	29.028	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	336977	100.472	ug/l	99
86) p-Isopropyltoluene	12.006	119	13115	3.879	ug/l #	70
95) Naphthalene	13.780	128	8416185	2370.244	ug/l	97

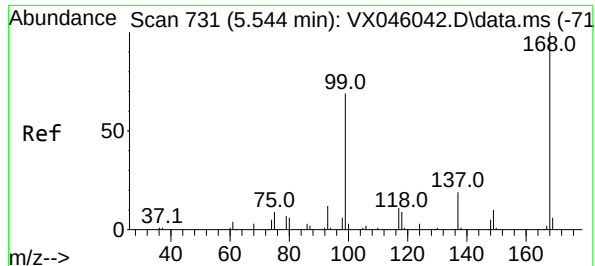
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046163.D
Acq On : 13 May 2025 14:01
Operator : JC/MD
Sample : Q2001-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A4-03-G

Quant Time: May 14 01:39:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

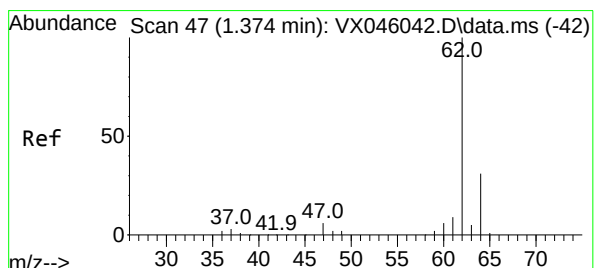
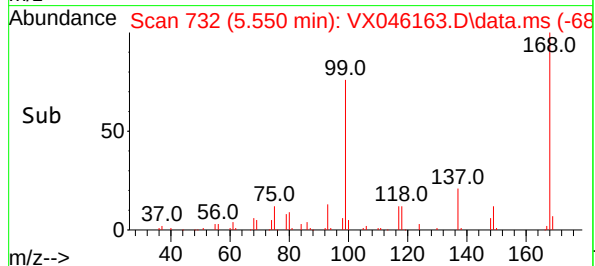
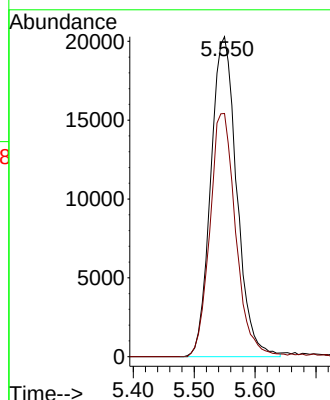
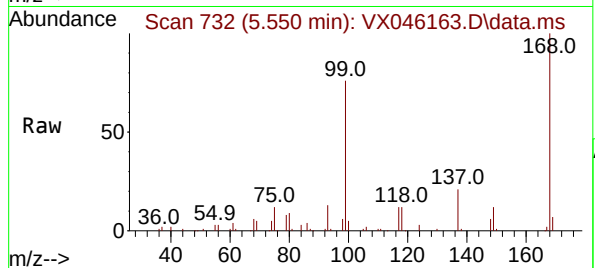




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046163.D
Acq: 13 May 2025 14:01

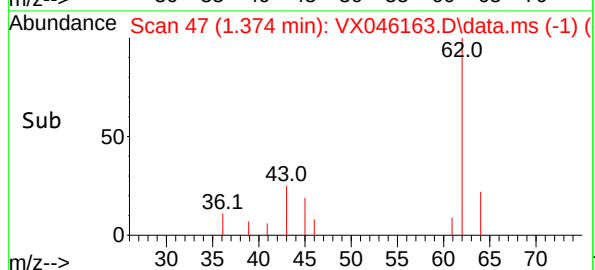
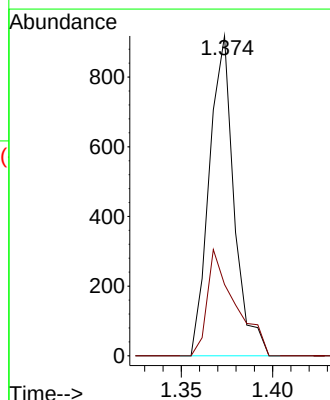
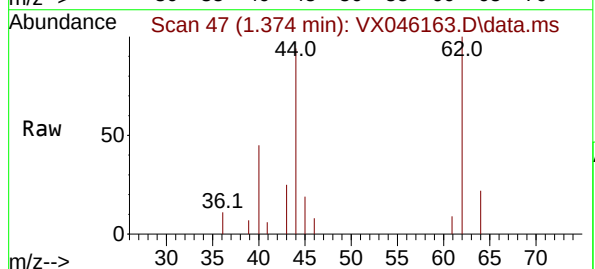
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-03-G

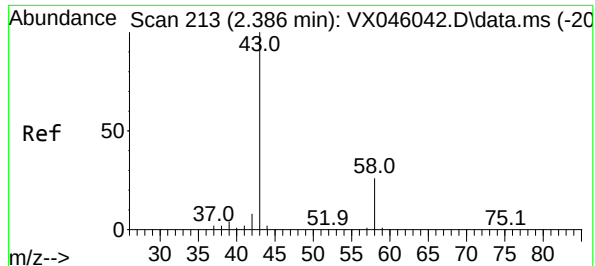
Tgt Ion:168 Resp: 60233
Ion Ratio Lower Upper
168 100
99 76.0 54.9 82.3



#4
Vinyl Chloride
Concen: 1.042 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046163.D
Acq: 13 May 2025 14:01

Tgt Ion: 62 Resp: 867
Ion Ratio Lower Upper
62 100
64 22.3 25.2 37.8#





#16

Acetone

Concen: 122.524 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX046163.D

Acq: 13 May 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

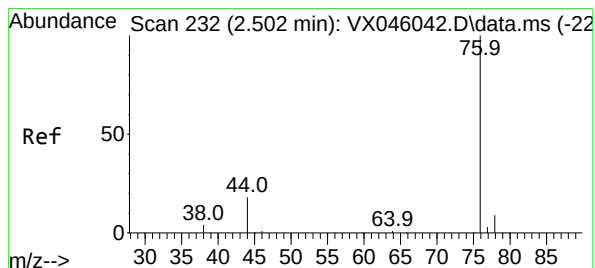
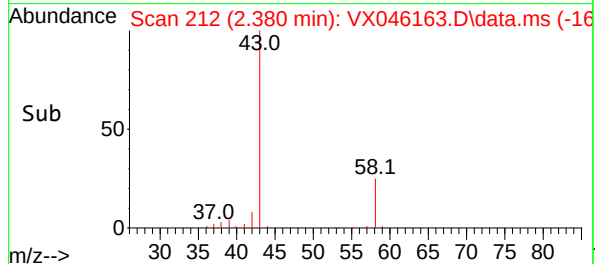
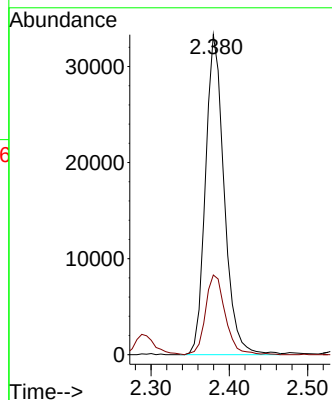
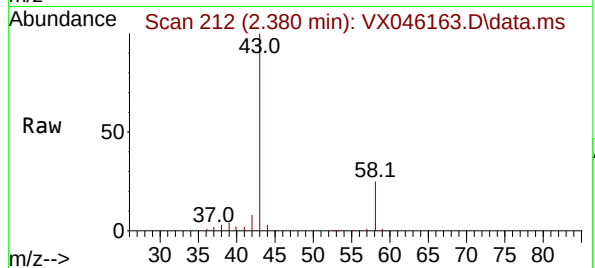
WC-A4-03-G

Tgt Ion: 43 Resp: 55166

Ion Ratio Lower Upper

43 100

58 24.9 21.2 31.8



#17

Carbon Disulfide

Concen: 2.679 ug/l

RT: 2.508 min Scan# 233

Delta R.T. 0.006 min

Lab File: VX046163.D

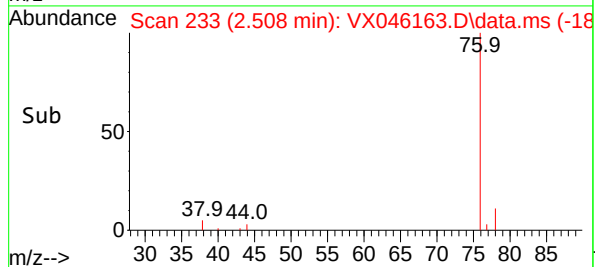
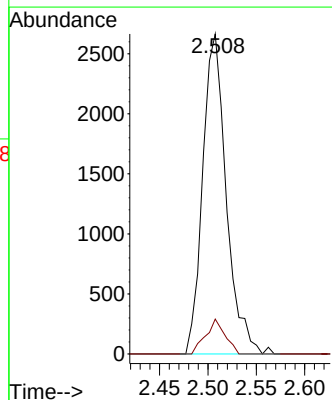
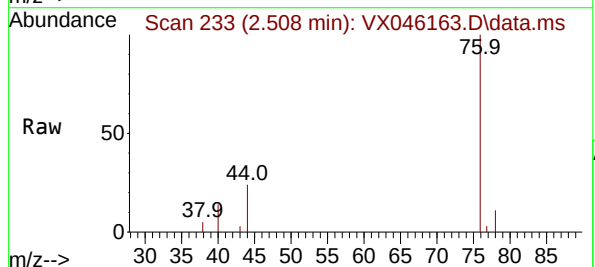
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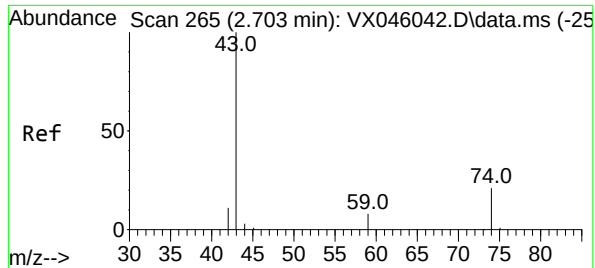
Tgt Ion: 76 Resp: 4536

Ion Ratio Lower Upper

76 100

78 10.9 7.0 10.4#





#18

Methyl Acetate

Concen: 1.553 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX046163.D

Acq: 13 May 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

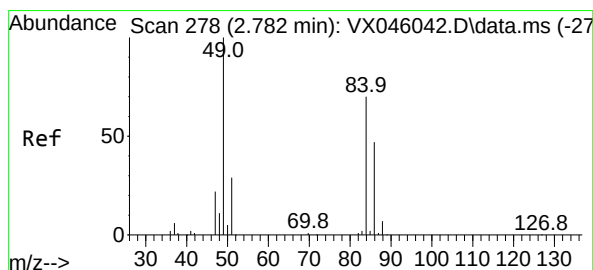
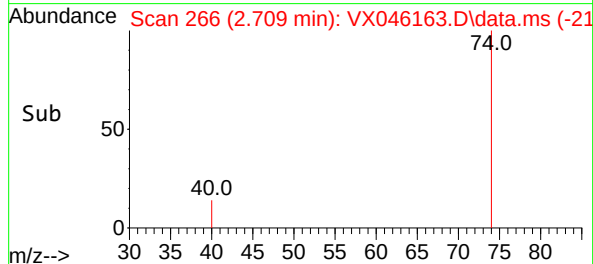
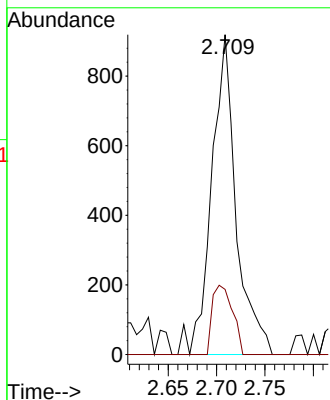
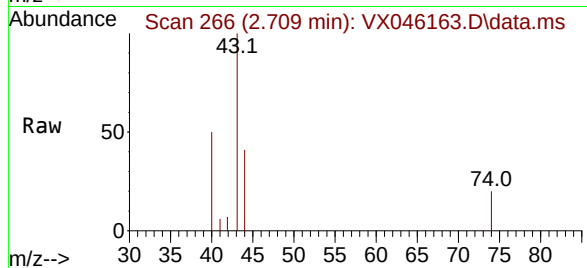
WC-A4-03-G

Tgt Ion: 43 Resp: 1623

Ion Ratio Lower Upper

43 100

74 17.7 16.7 25.1



#20

Methylene Chloride

Concen: 2.780 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX046163.D

Acq: 13 May 2025 14:01

Tgt Ion: 84 Resp: 2399

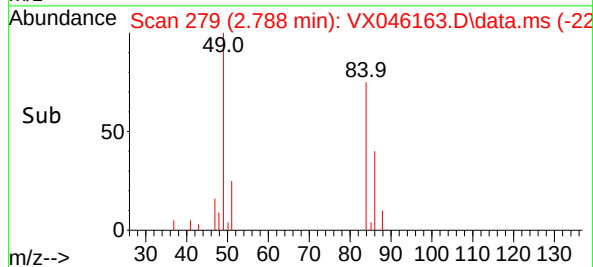
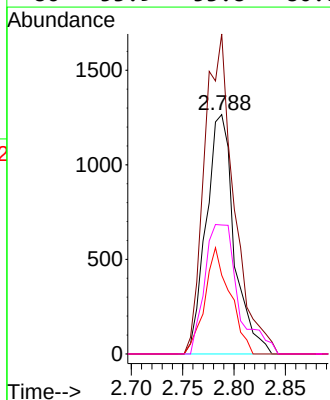
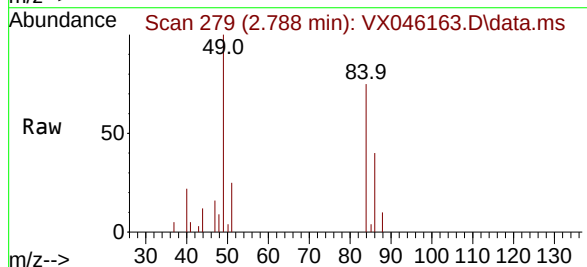
Ion Ratio Lower Upper

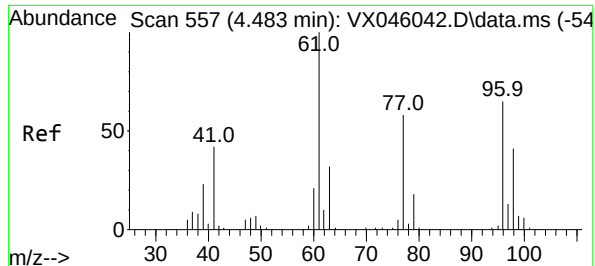
84 100

49 133.6 113.9 170.9

51 32.9 33.5 50.3#

86 53.9 53.8 80.8





#27

cis-1,2-Dichloroethene

Concen: 5.859 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX046163.D

Acq: 13 May 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

WC-A4-03-G

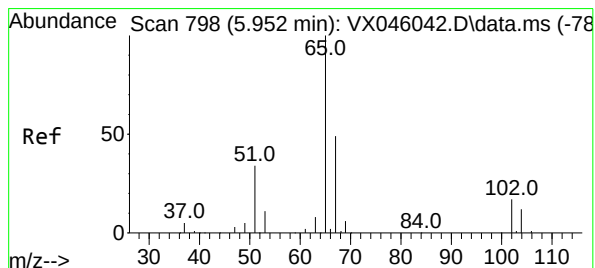
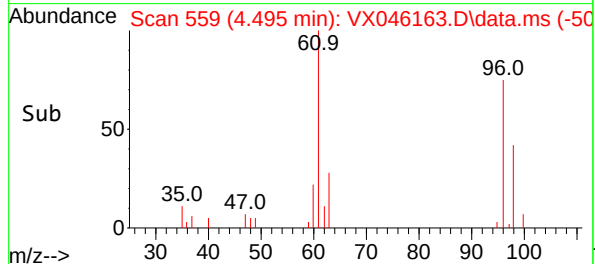
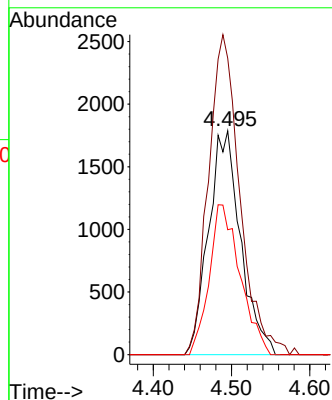
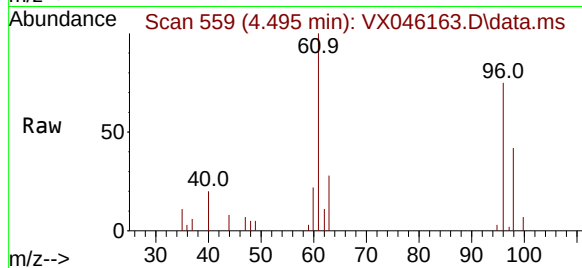
Tgt Ion: 96 Resp: 5066

Ion Ratio Lower Upper

96 100

61 140.6 0.0 322.8

98 64.7 0.0 129.0



#33

1,2-Dichloroethane-d4

Concen: 55.004 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046163.D

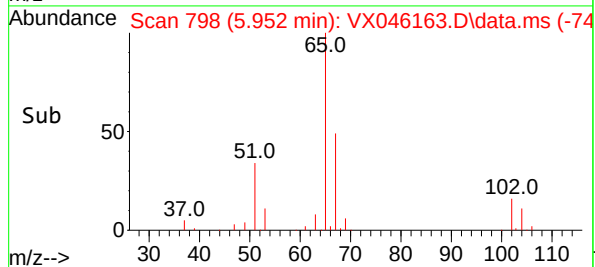
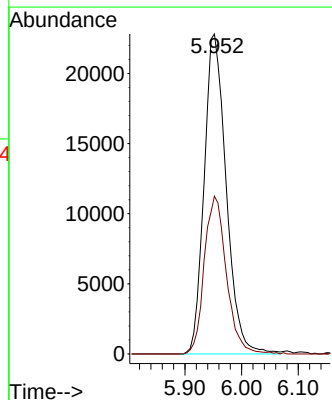
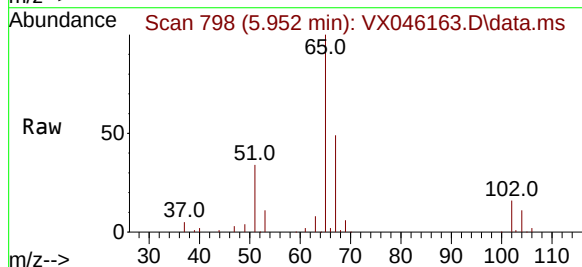
Acq: 13 May 2025 14:01

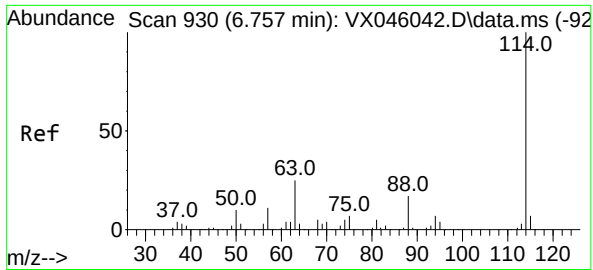
Tgt Ion: 65 Resp: 61766

Ion Ratio Lower Upper

65 100

67 49.4 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046163.D

Acq: 13 May 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

WC-A4-03-G

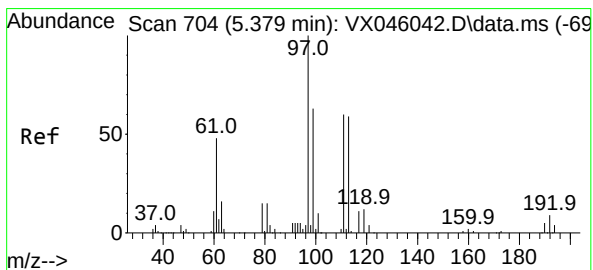
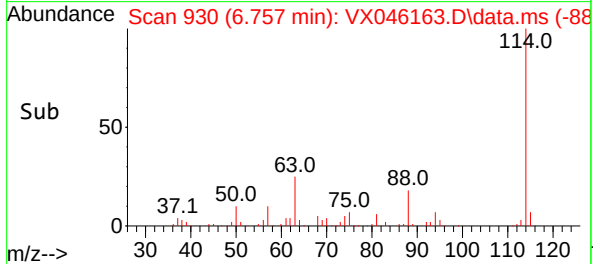
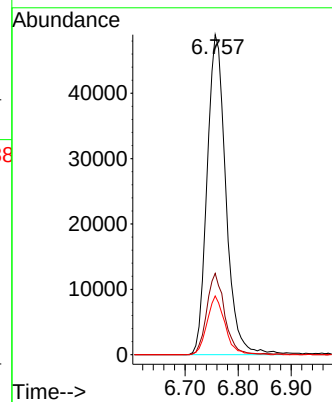
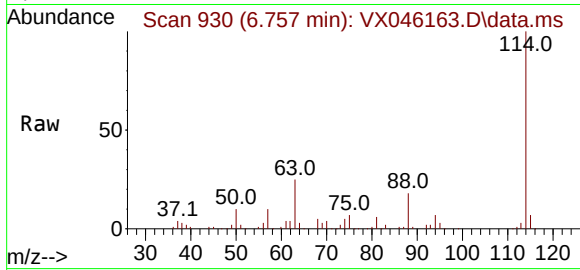
Tgt Ion:114 Resp: 120477

Ion Ratio Lower Upper

114 100

63 25.4 0.0 49.2

88 18.3 0.0 33.6



#35

Dibromofluoromethane

Concen: 42.245 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX046163.D

Acq: 13 May 2025 14:01

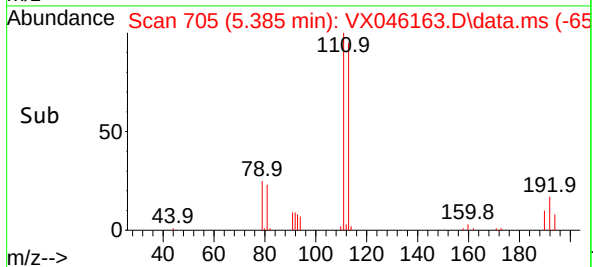
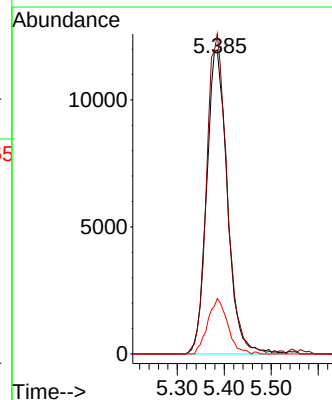
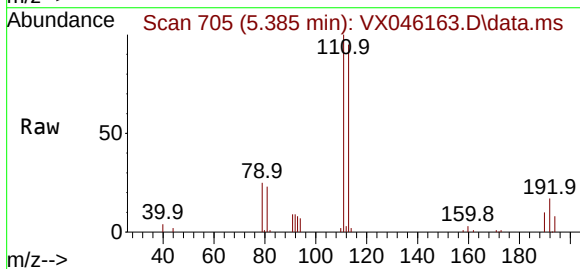
Tgt Ion:113 Resp: 36650

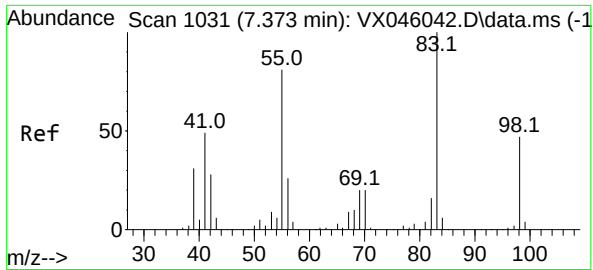
Ion Ratio Lower Upper

113 100

111 103.4 83.1 124.7

192 17.4 13.3 19.9





#39

Methylcyclohexane

Concen: 1.284 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX046163.D

Acq: 13 May 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

WC-A4-03-G

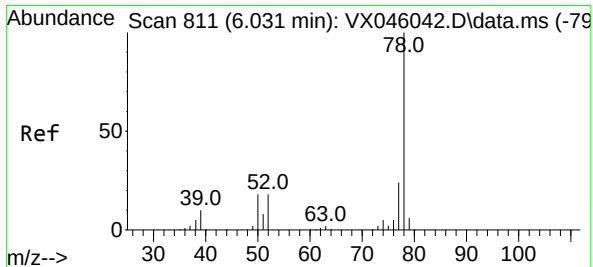
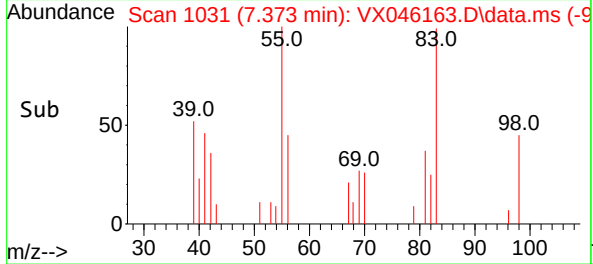
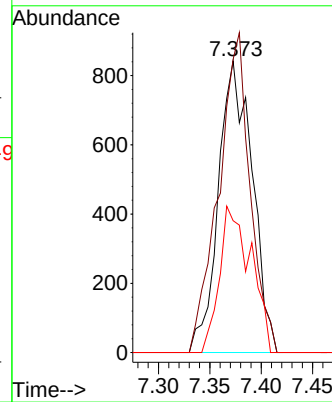
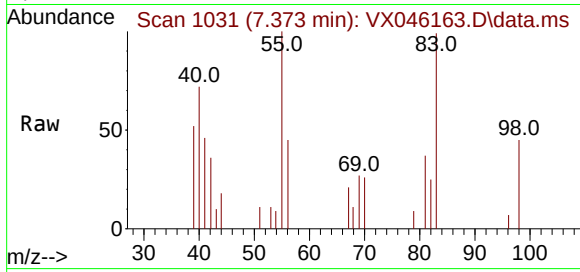
Tgt Ion: 83 Resp: 1927

Ion Ratio Lower Upper

83 100

55 100.6 64.7 97.1#

98 45.2 37.4 56.2



#40

Benzene

Concen: 20.278 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX046163.D

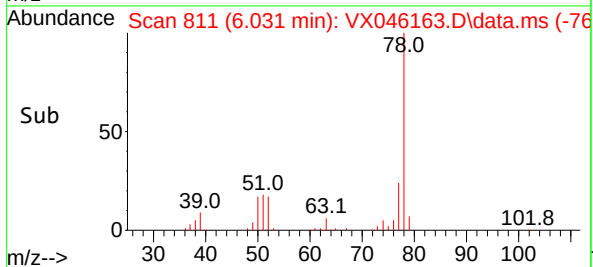
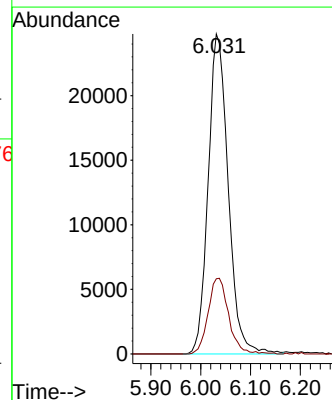
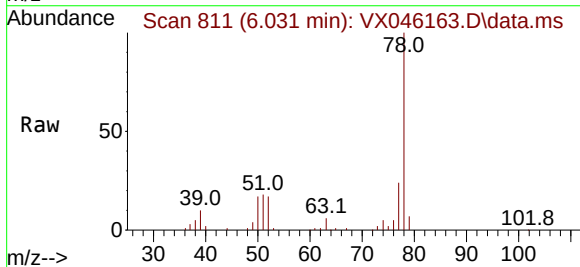
Acq: 13 May 2025 14:01

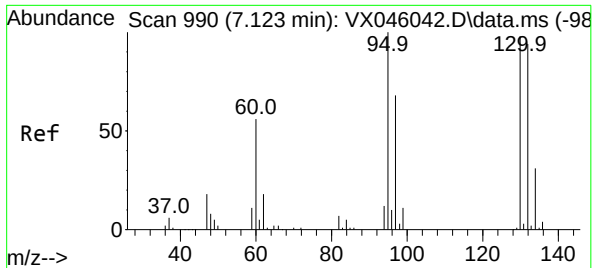
Tgt Ion: 78 Resp: 69237

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.4





#44

Trichloroethene

Concen: 1.343 ug/l

RT: 7.129 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX046163.D

Acq: 13 May 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

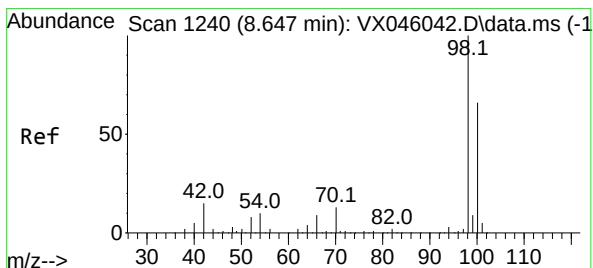
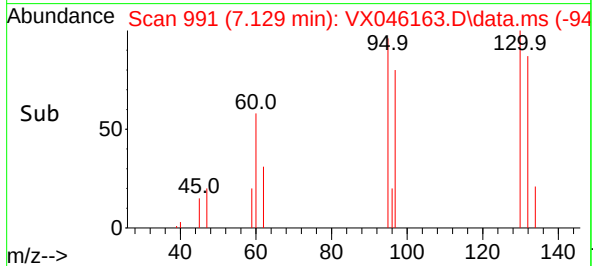
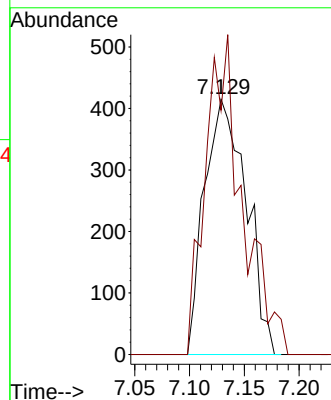
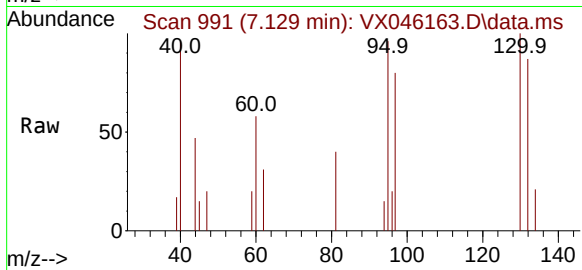
WC-A4-03-G

Tgt Ion:130 Resp: 1104

Ion Ratio Lower Upper

130 100

95 95.7 0.0 204.2



#50

Toluene-d8

Concen: 52.023 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046163.D

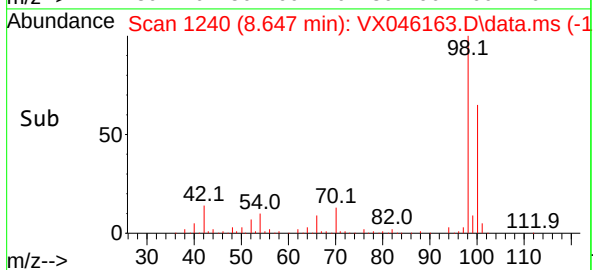
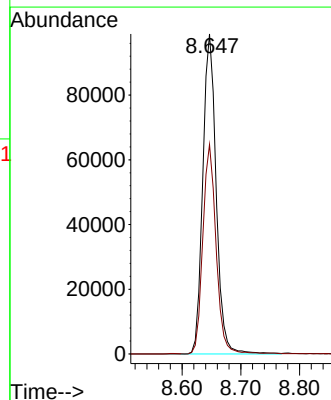
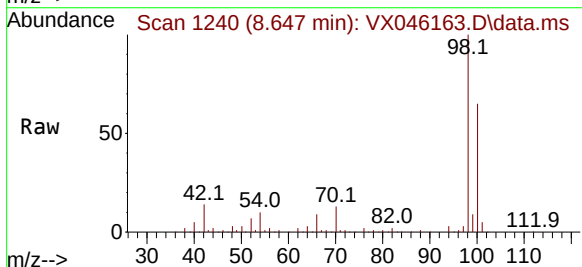
Acq: 13 May 2025 14:01

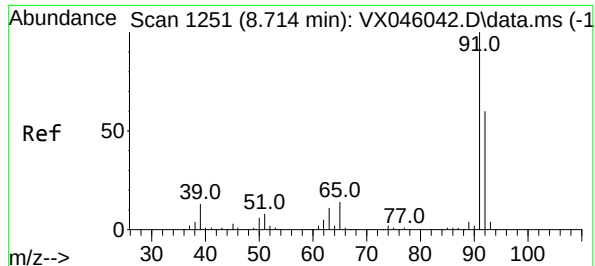
Tgt Ion: 98 Resp: 156211

Ion Ratio Lower Upper

98 100

100 64.8 53.5 80.3





#52

Toluene

Concen: 10.824 ug/l

RT: 8.720 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VX046163.D

Acq: 13 May 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

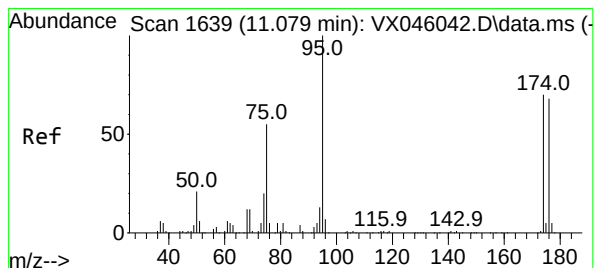
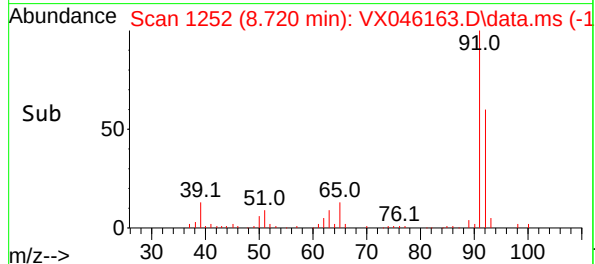
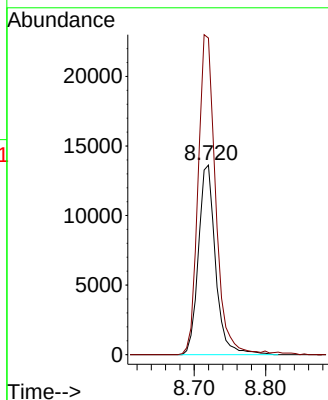
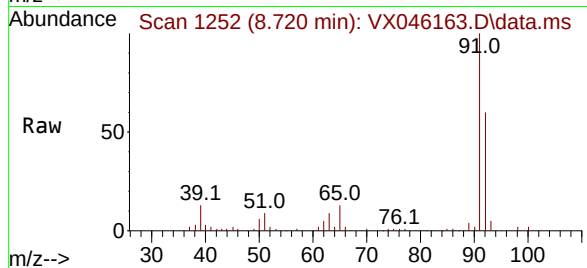
WC-A4-03-G

Tgt Ion: 92 Resp: 22661

Ion Ratio Lower Upper

92 100

91 171.8 136.6 205.0



#62

4-Bromofluorobenzene

Concen: 51.995 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046163.D

Acq: 13 May 2025 14:01

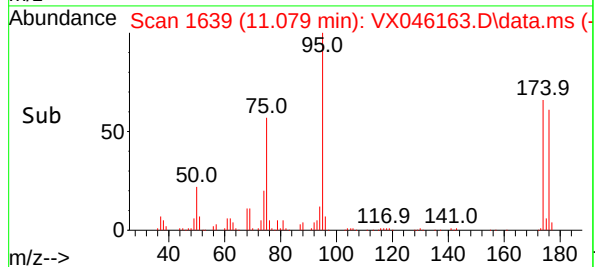
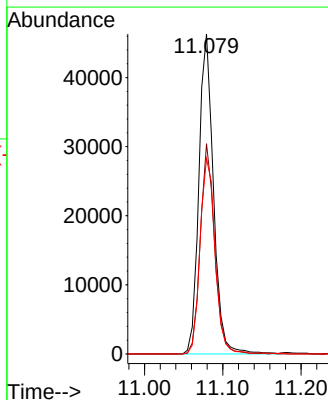
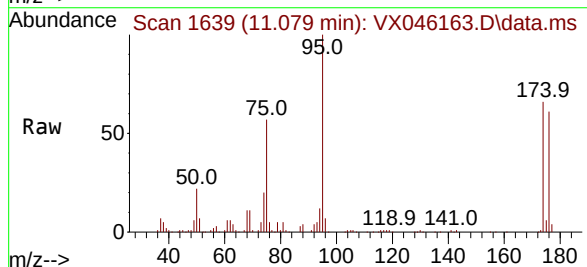
Tgt Ion: 95 Resp: 59888

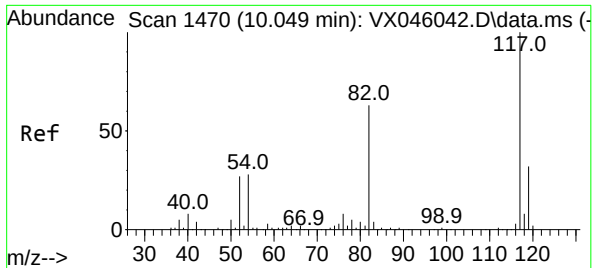
Ion Ratio Lower Upper

95 100

174 64.0 0.0 135.8

176 62.8 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX046163.D

Acq: 13 May 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

WC-A4-03-G

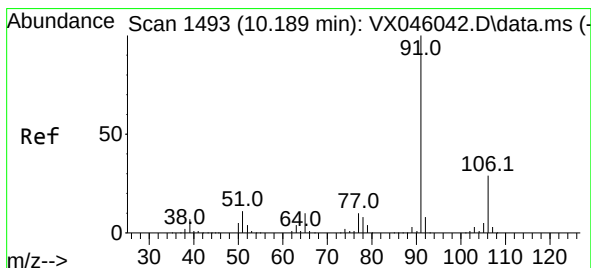
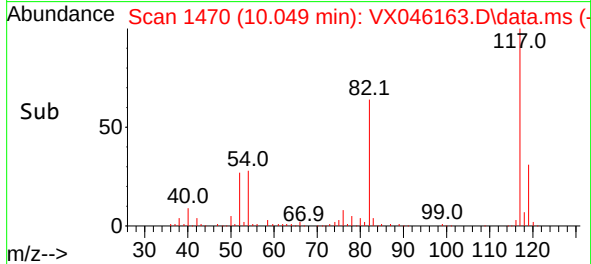
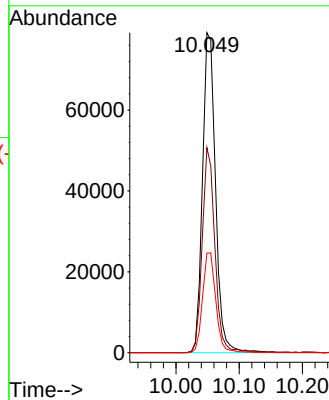
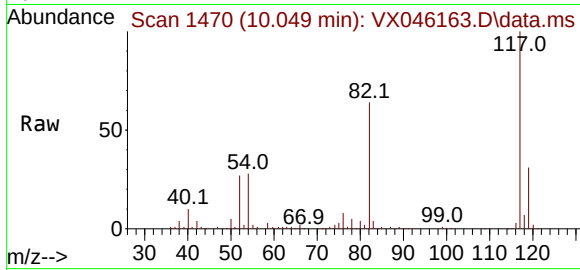
Tgt Ion:117 Resp: 113675

Ion Ratio Lower Upper

117 100

82 64.0 50.6 76.0

119 31.1 25.8 38.6



#67

Ethyl Benzene

Concen: 230.797 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX046163.D

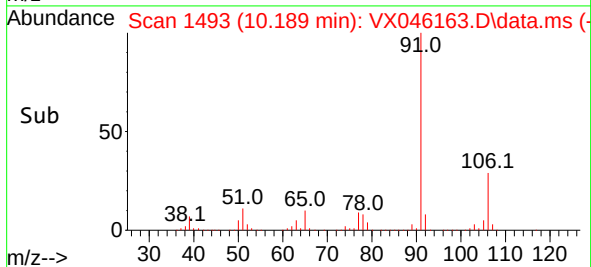
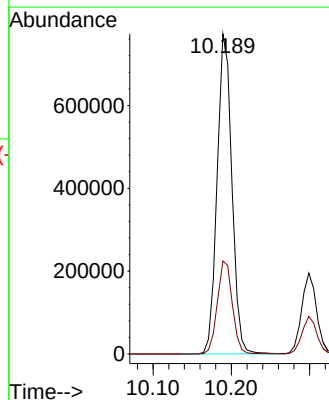
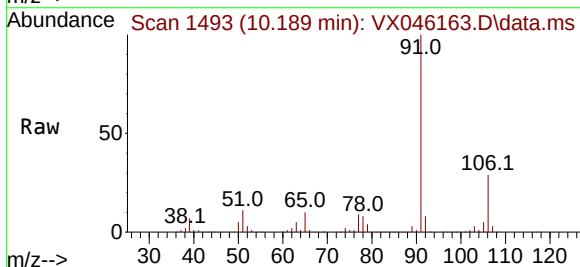
Acq: 13 May 2025 14:01

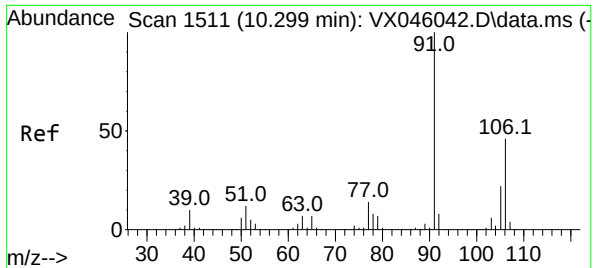
Tgt Ion: 91 Resp: 1012226

Ion Ratio Lower Upper

91 100

106 29.0 23.4 35.2

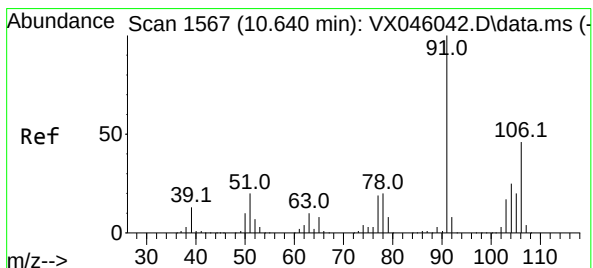
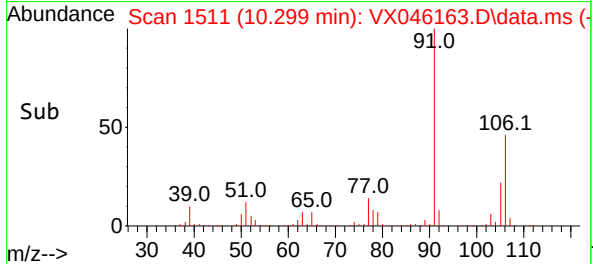
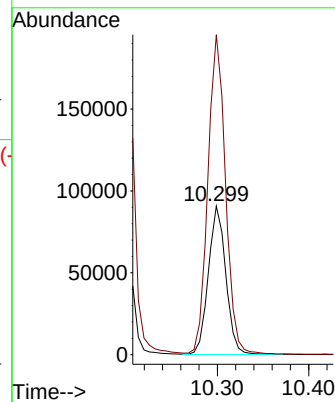
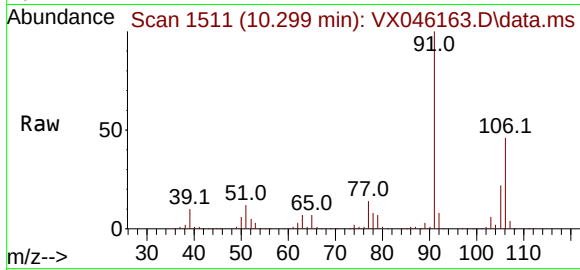




#68
m/p-Xylenes
Concen: 74.753 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046163.D
Acq: 13 May 2025 14:01

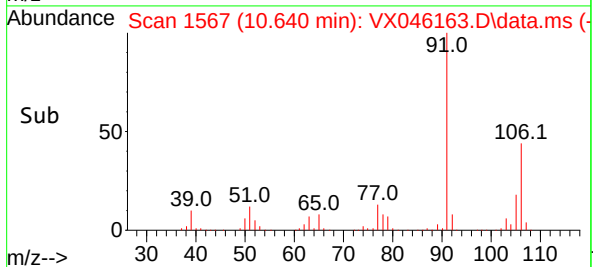
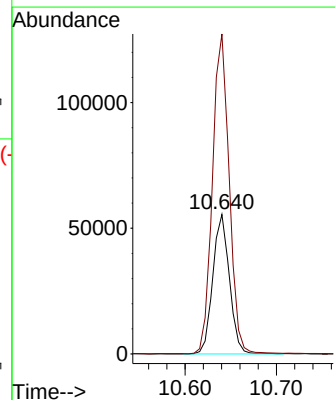
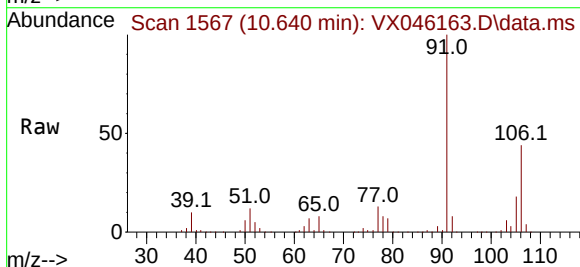
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-03-G

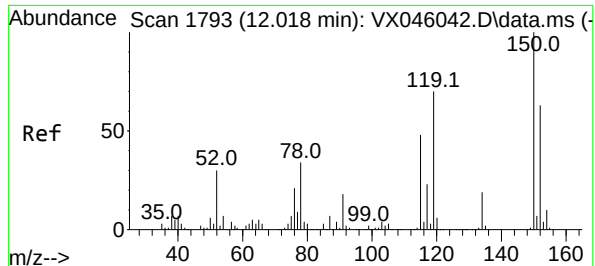
Tgt Ion:106 Resp: 119909
Ion Ratio Lower Upper
106 100
91 217.5 171.2 256.8



#69
o-Xylene
Concen: 44.705 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046163.D
Acq: 13 May 2025 14:01

Tgt Ion:106 Resp: 69910
Ion Ratio Lower Upper
106 100
91 231.3 112.7 338.1

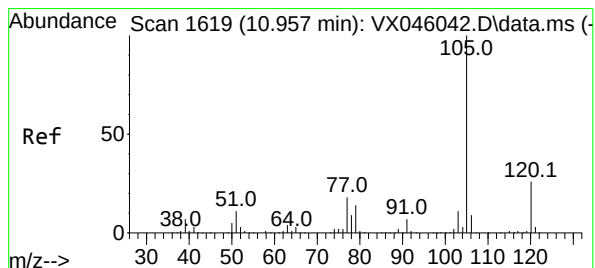
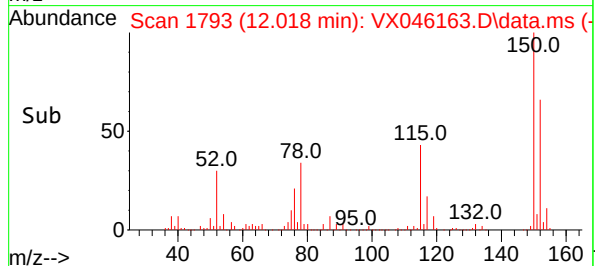
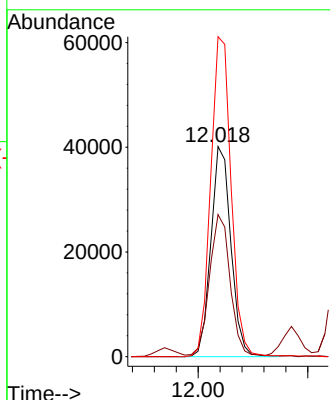
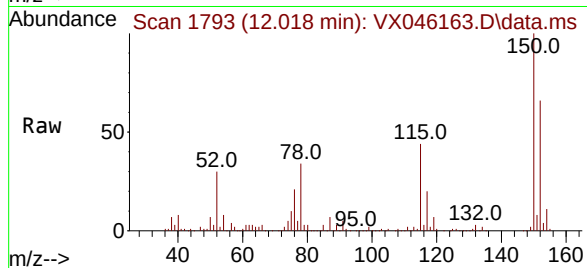




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046163.D
Acq: 13 May 2025 14:01

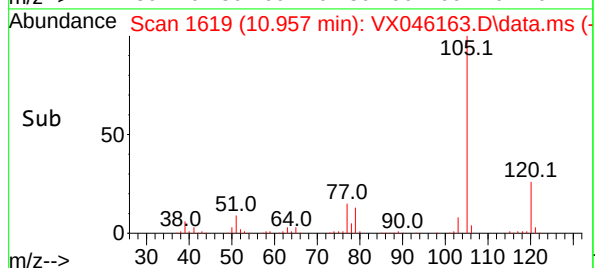
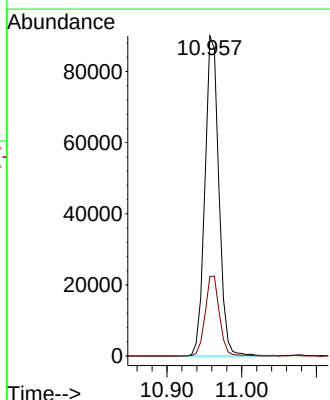
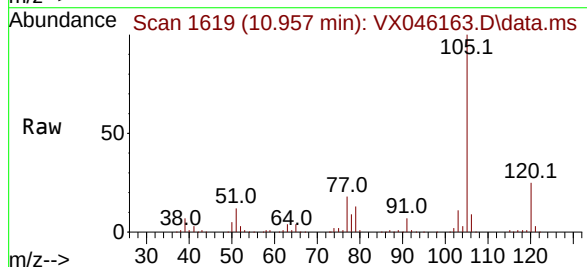
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-03-G

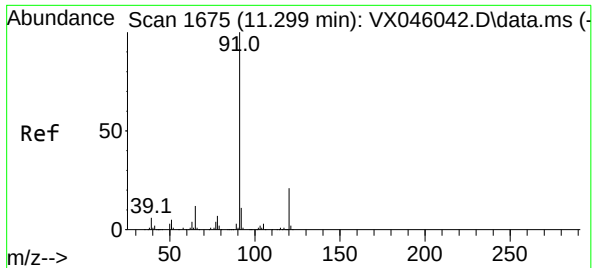
Tgt Ion:152 Resp: 50921
Ion Ratio Lower Upper
152 100
115 68.5 46.9 140.7
150 155.0 0.0 351.0



#73
Isopropylbenzene
Concen: 29.444 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046163.D
Acq: 13 May 2025 14:01

Tgt Ion:105 Resp: 116726
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.4

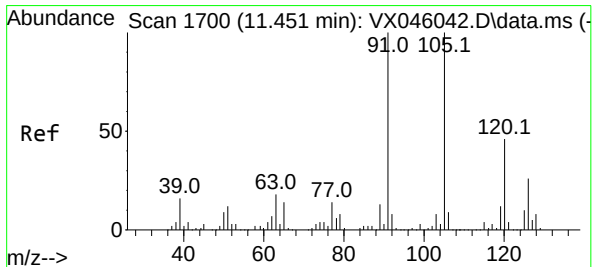
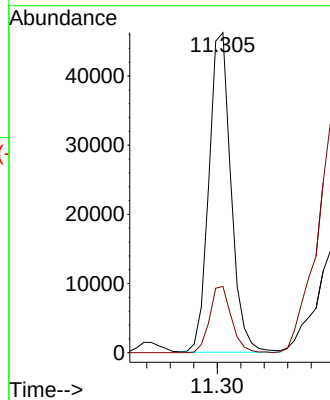
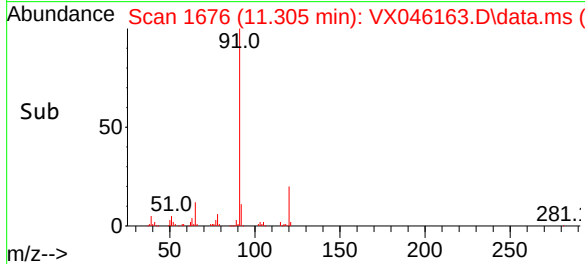
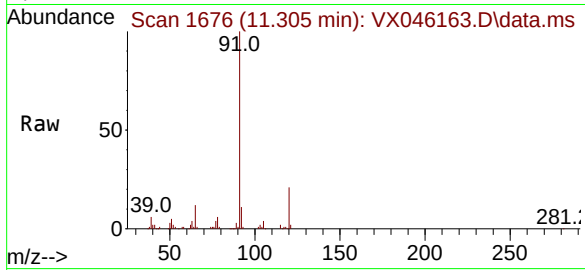




#78
n-propylbenzene
Concen: 13.130 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046163.D
Acq: 13 May 2025 14:01

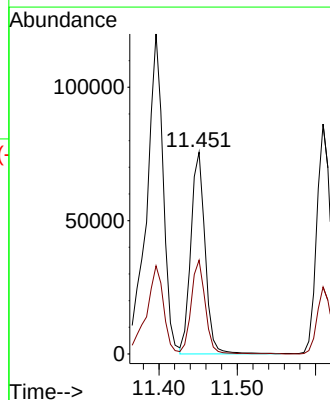
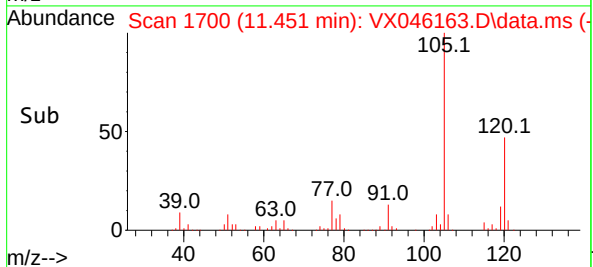
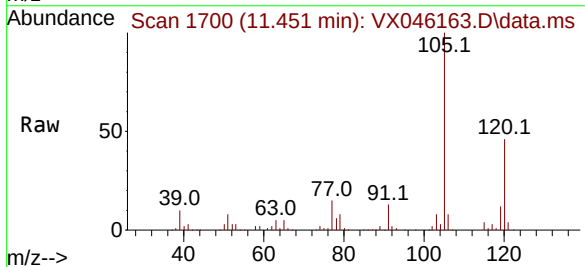
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-03-G

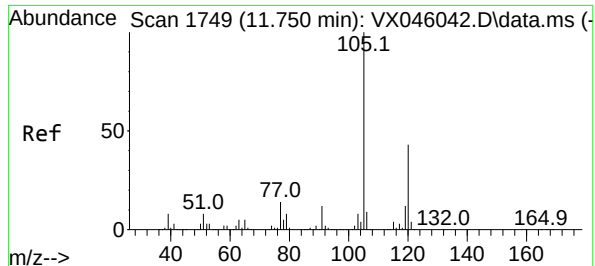
Tgt Ion: 91 Resp: 60523
Ion Ratio Lower Upper
91 100
120 20.5 10.8 32.4



#80
1,3,5-Trimethylbenzene
Concen: 29.028 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046163.D
Acq: 13 May 2025 14:01

Tgt Ion: 105 Resp: 96138
Ion Ratio Lower Upper
105 100
120 45.2 23.1 69.2





#84

1,2,4-Trimethylbenzene

Concen: 100.472 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046163.D

Acq: 13 May 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

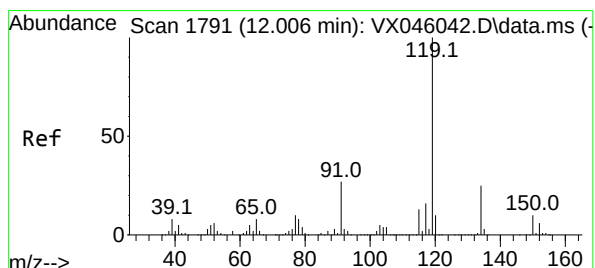
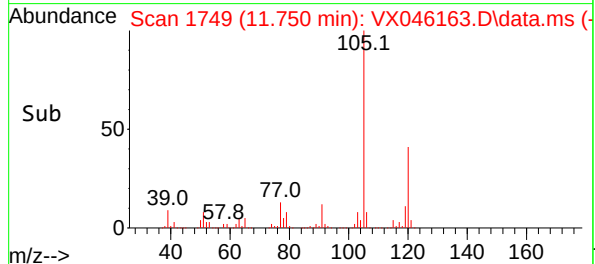
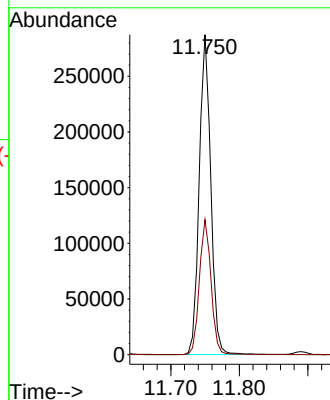
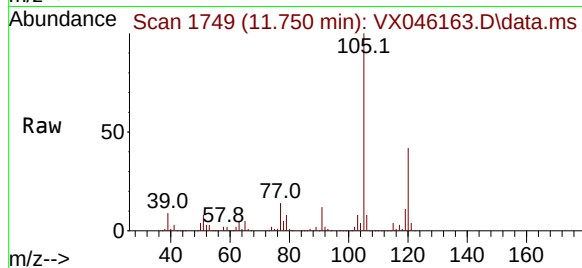
WC-A4-03-G

Tgt Ion:105 Resp: 336977

Ion Ratio Lower Upper

105 100

120 42.7 21.2 63.6



#86

p-Isopropyltoluene

Concen: 3.879 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX046163.D

Acq: 13 May 2025 14:01

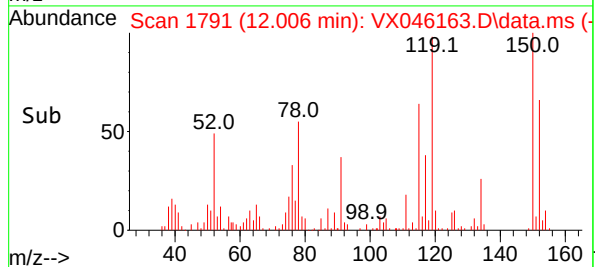
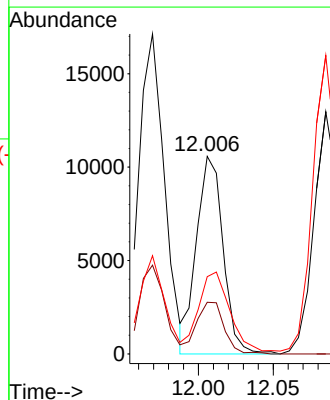
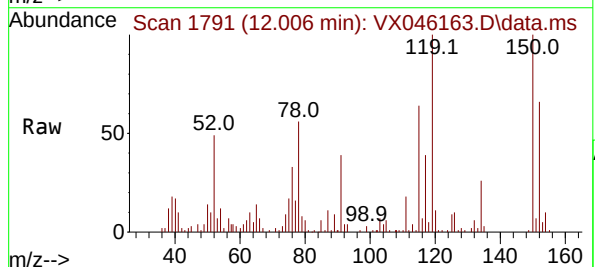
Tgt Ion:119 Resp: 13115

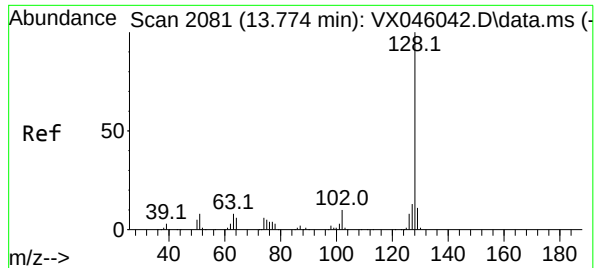
Ion Ratio Lower Upper

119 100

134 27.3 12.5 37.5

91 0.0 13.8 41.4#





#95

Naphthalene

Concen: 2370.244 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX046163.D

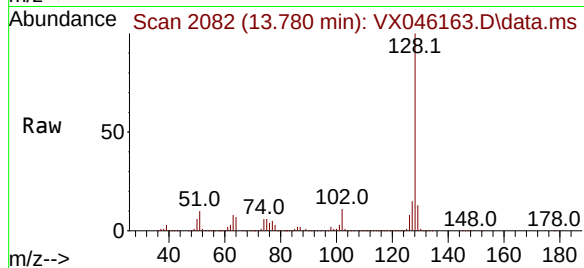
Acq: 13 May 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

WC-A4-03-G



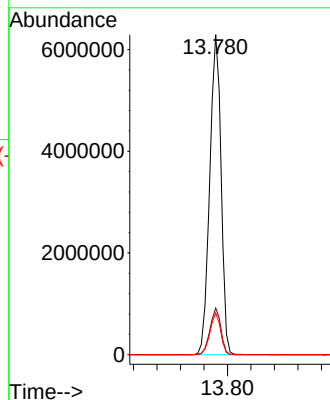
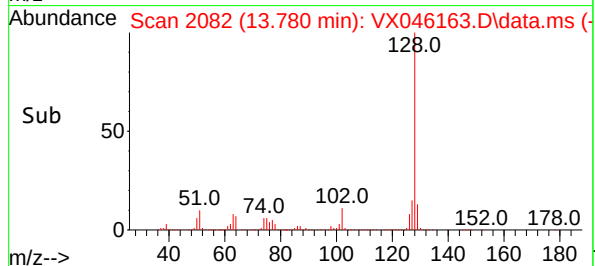
Tgt Ion:128 Resp: 8416185

Ion Ratio Lower Upper

128 100

127 14.0 10.4 15.6

129 12.3 8.6 13.0



Report of Analysis

Client:	ENTACT	Date Collected:	05/07/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/09/25
Client Sample ID:	WC-A1-05-G	SDG No.:	Q2001
Lab Sample ID:	Q2001-05	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046164.D	1		05/13/25 14:25	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	20.5		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	5.20	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	380	E	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	40.8		70 (75) - 130 (124)	82%	SPK: 50
2037-26-5	Toluene-d8	51.7		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		70 (77) - 130 (121)	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	61800	5.55			
540-36-3	1,4-Difluorobenzene	120000	6.757			
3114-55-4	Chlorobenzene-d5	116000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	55300	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046164.D
 Acq On : 13 May 2025 14:25
 Operator : JC/MD
 Sample : Q2001-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A1-05-G

Quant Time: May 14 01:40:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

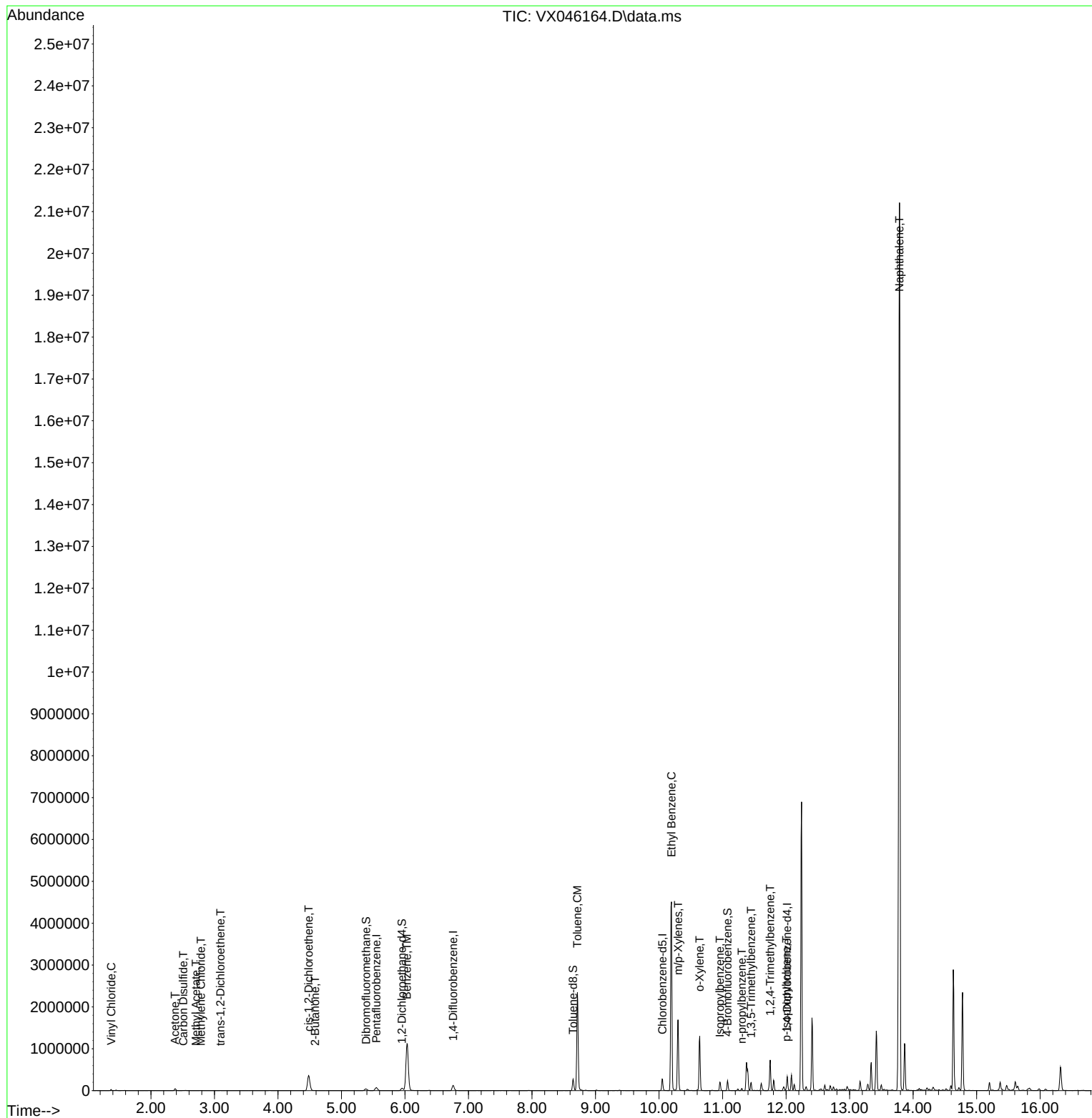
Internal Standards						
1) Pentafluorobenzene	5.550	168	61818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	120158	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59426	51.563	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.120%	
35) Dibromofluoromethane	5.385	113	35337	40.840	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 81.680%	
50) Toluene-d8	8.647	98	154690	51.653	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.300%	
62) 4-Bromofluorobenzene	11.079	95	62153	54.104	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.200%	
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	17496	20.488	ug/l	95
16) Acetone	2.379	43	50817	109.971	ug/l	100
17) Carbon Disulfide	2.508	76	4387	2.524	ug/l	98
18) Methyl Acetate	2.709	43	1155	1.077	ug/l #	91
20) Methylene Chloride	2.788	84	1908	2.155	ug/l	84
21) trans-1,2-Dichloroethene	3.093	96	821	1.114	ug/l	89
25) 2-Butanone	4.586	43	3521	5.248	ug/l #	85
27) cis-1,2-Dichloroethene	4.483	96	213621	240.725	ug/l	89
40) Benzene	6.031	78	1298368	381.282	ug/l	100
52) Toluene	8.714	92	836452	400.589	ug/l	100
67) Ethyl Benzene	10.195	91	2629812	588.770	ug/l	97
68) m/p-Xylenes	10.299	106	355634	217.695	ug/l	99
69) o-Xylene	10.640	106	257750	161.839	ug/l	97
73) Isopropylbenzene	10.957	105	104495	24.279	ug/l	100
78) n-propylbenzene	11.305	91	30257	6.046	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	83484	23.219	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	300865	82.628	ug/l	99
86) p-Isopropyltoluene	12.006	119	13281	3.618	ug/l #	72
95) Naphthalene	13.786	128	13588910	3525.134	ug/l #	94

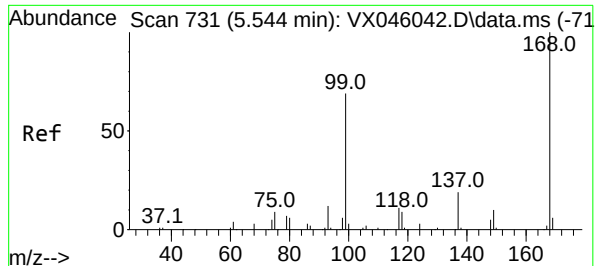
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046164.D
Acq On : 13 May 2025 14:25
Operator : JC/MD
Sample : Q2001-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A1-05-G

Quant Time: May 14 01:40:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX046164.D

Acq: 13 May 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

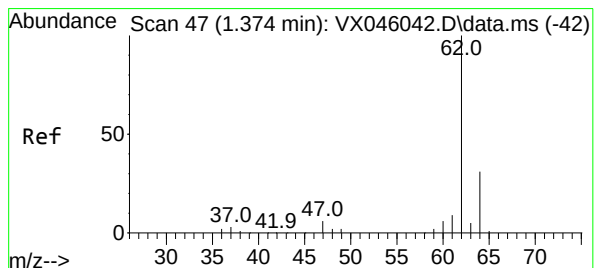
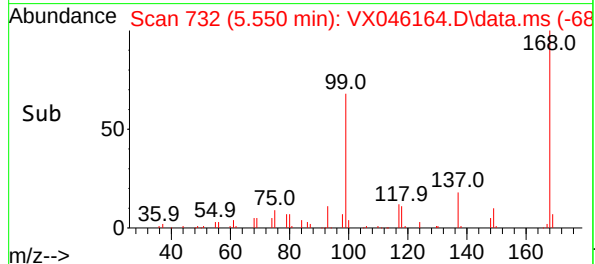
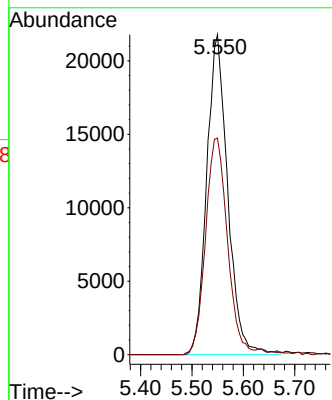
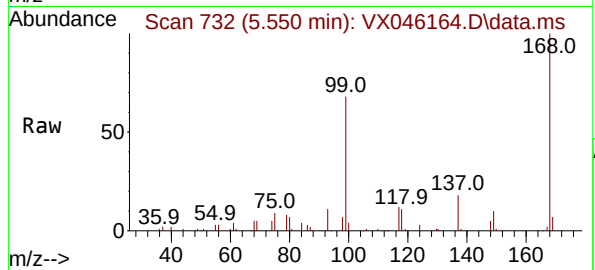
WC-A1-05-G

Tgt Ion:168 Resp: 61818

Ion Ratio Lower Upper

168 100

99 67.7 54.9 82.3



#4

Vinyl Chloride

Concen: 20.488 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX046164.D

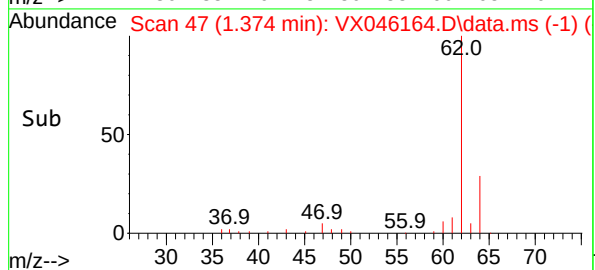
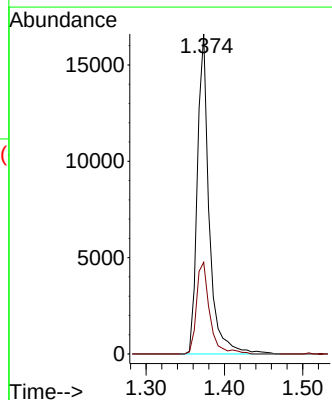
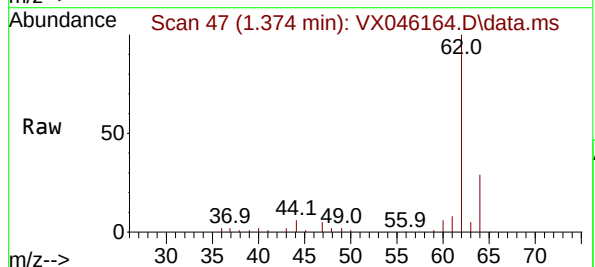
Acq: 13 May 2025 14:25

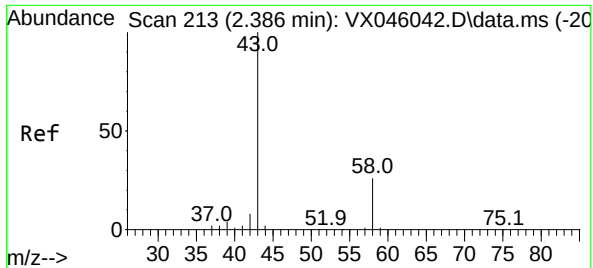
Tgt Ion: 62 Resp: 17496

Ion Ratio Lower Upper

62 100

64 28.7 25.2 37.8

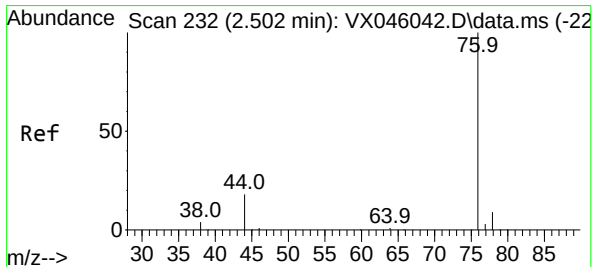
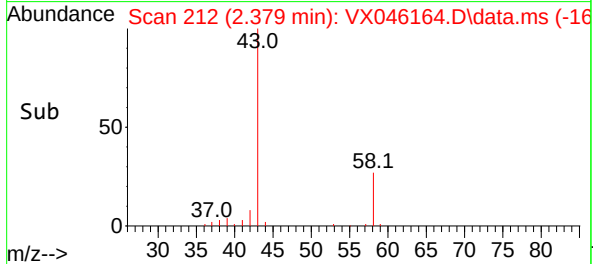
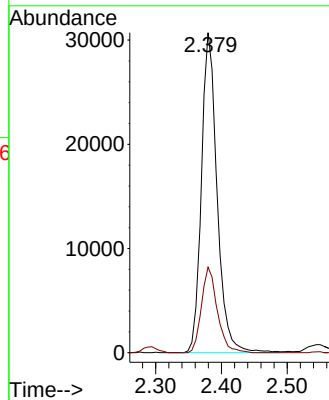
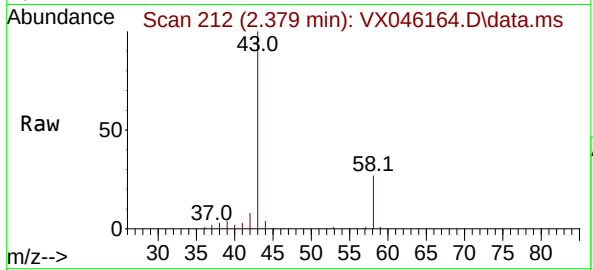




#16
Acetone
Concen: 109.971 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046164.D
Acq: 13 May 2025 14:25

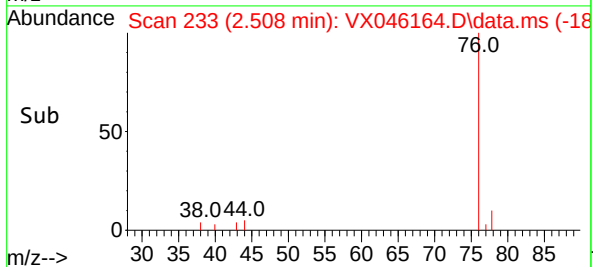
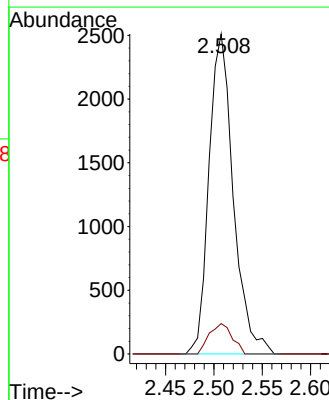
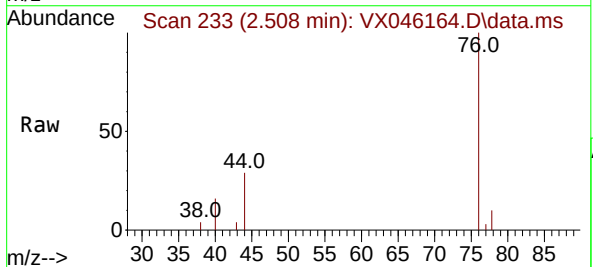
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-05-G

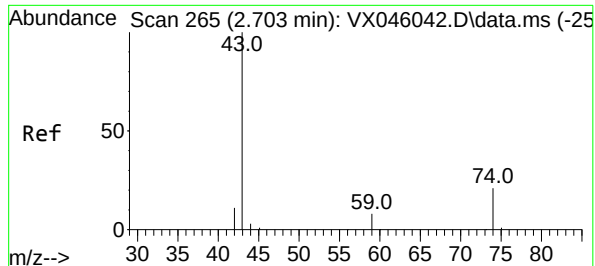
Tgt Ion: 43 Resp: 50817
Ion Ratio Lower Upper
43 100
58 26.7 21.2 31.8



#17
Carbon Disulfide
Concen: 2.524 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046164.D
Acq: 13 May 2025 14:25

Tgt Ion: 76 Resp: 4387
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4





#18

Methyl Acetate

Concen: 1.077 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX046164.D

Acq: 13 May 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

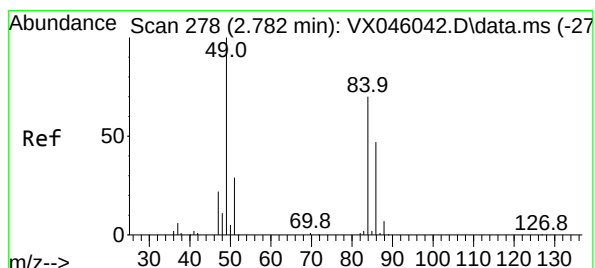
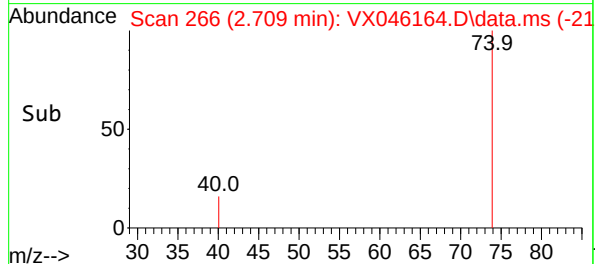
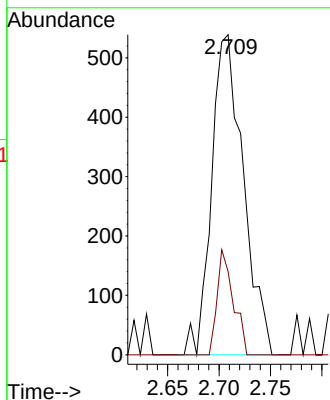
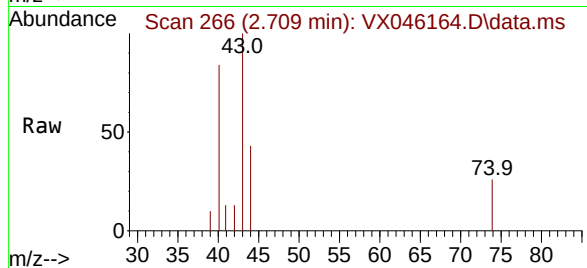
WC-A1-05-G

Tgt Ion: 43 Resp: 1155

Ion Ratio Lower Upper

43 100

74 16.7 16.7 25.1#



#20

Methylene Chloride

Concen: 2.155 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX046164.D

Acq: 13 May 2025 14:25

Tgt Ion: 84 Resp: 1908

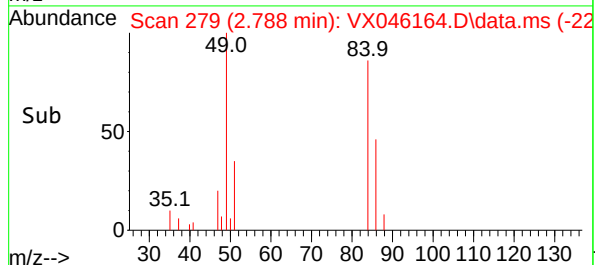
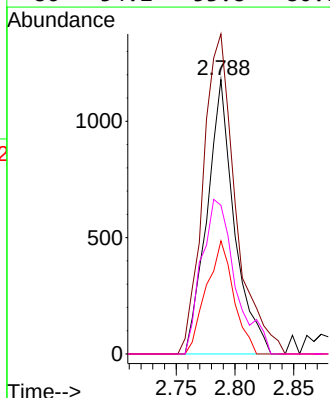
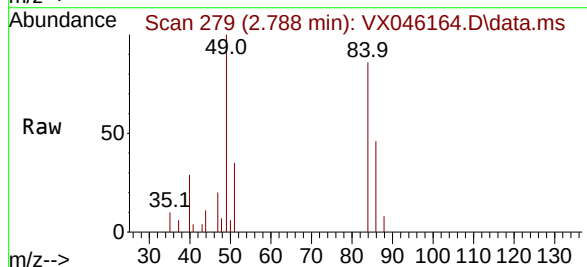
Ion Ratio Lower Upper

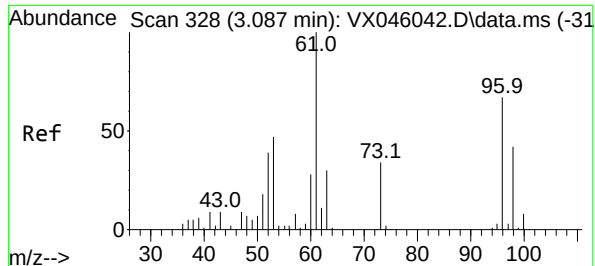
84 100

49 116.6 113.9 170.9

51 41.2 33.5 50.3

86 54.2 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 1.114 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX046164.D

Acq: 13 May 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-05-G

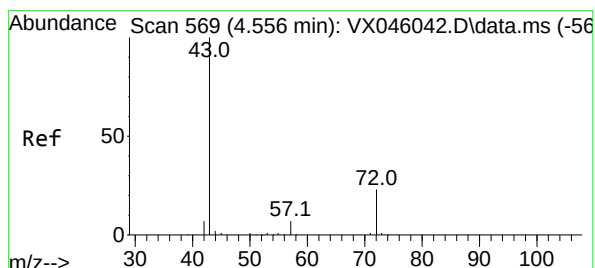
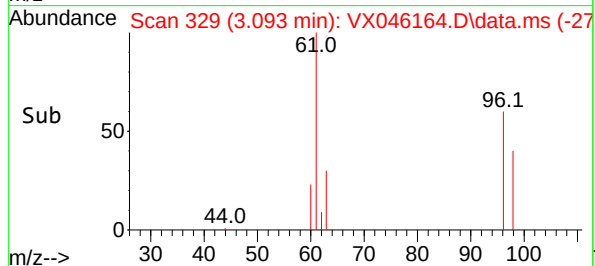
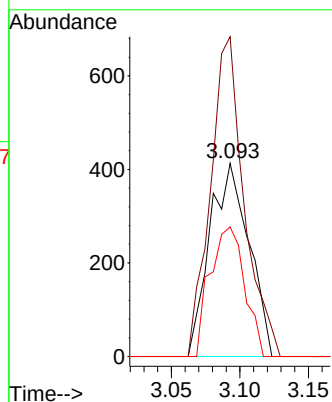
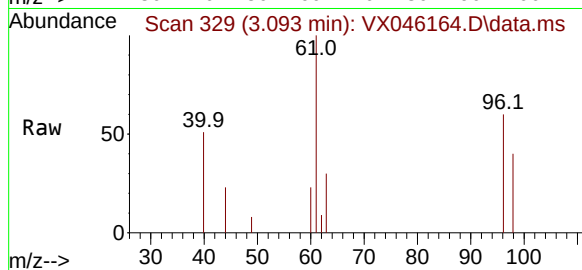
Tgt Ion: 96 Resp: 821

Ion Ratio Lower Upper

96 100

61 165.6 119.5 179.3

98 67.1 50.0 75.0



#25

2-Butanone

Concen: 5.248 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.030 min

Lab File: VX046164.D

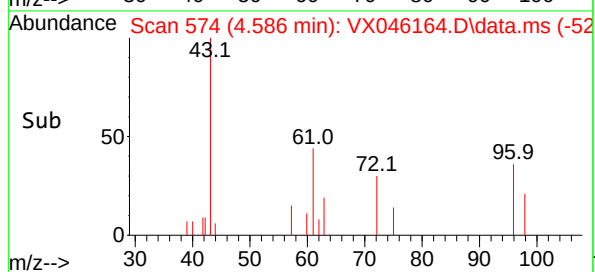
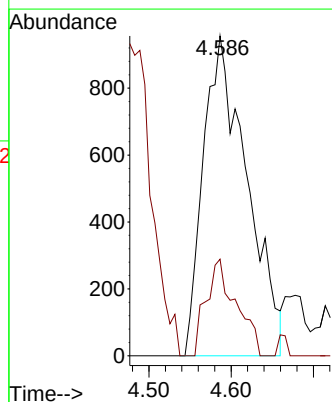
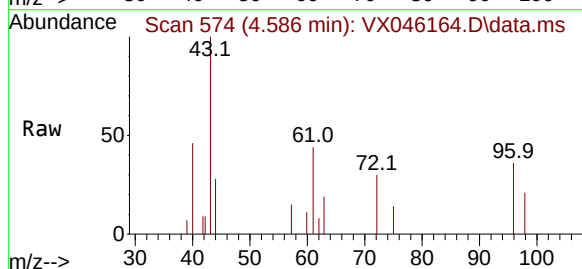
Acq: 13 May 2025 14:25

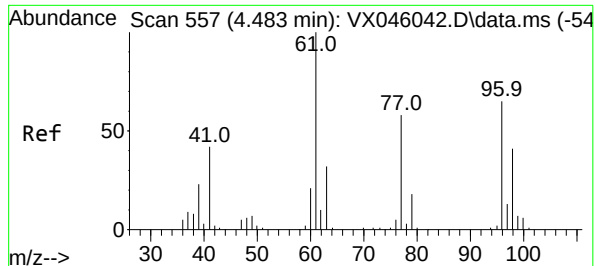
Tgt Ion: 43 Resp: 3521

Ion Ratio Lower Upper

43 100

72 30.2 18.4 27.6#





#27

cis-1,2-Dichloroethene

Concen: 240.725 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX046164.D

Acq: 13 May 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-05-G

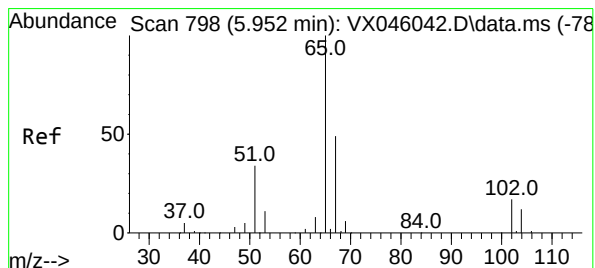
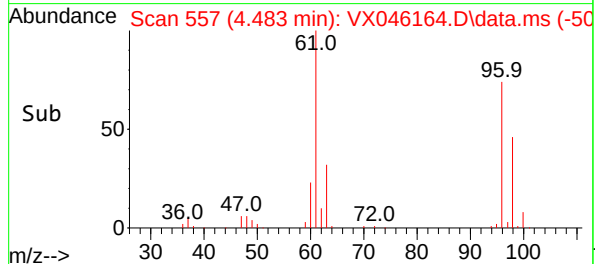
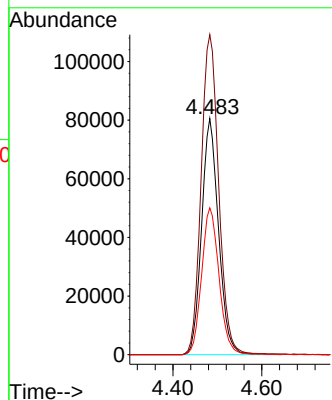
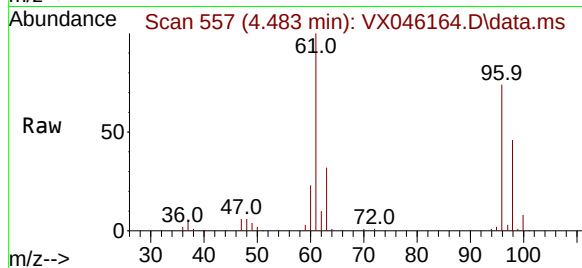
Tgt Ion: 96 Resp: 213621

Ion Ratio Lower Upper

96 100

61 140.6 0.0 322.8

98 63.9 0.0 129.0



#33

1,2-Dichloroethane-d4

Concen: 51.563 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046164.D

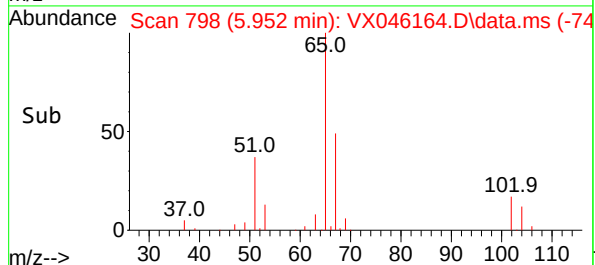
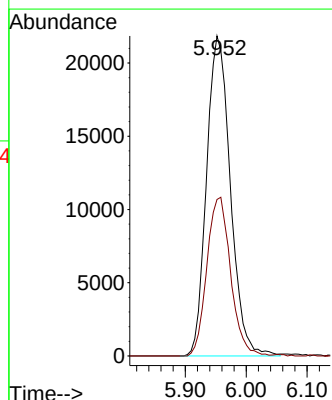
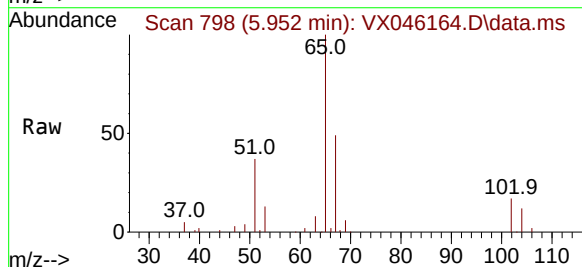
Acq: 13 May 2025 14:25

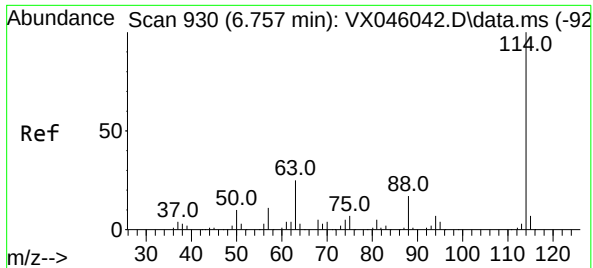
Tgt Ion: 65 Resp: 59426

Ion Ratio Lower Upper

65 100

67 49.4 0.0 99.0

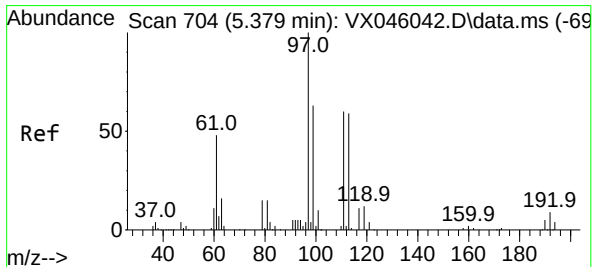
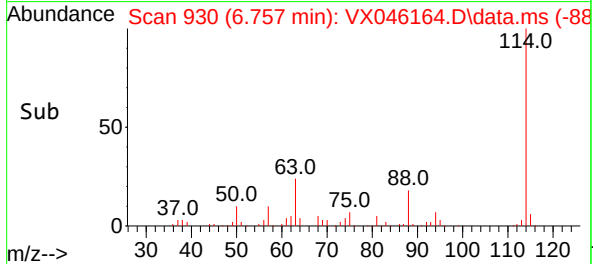
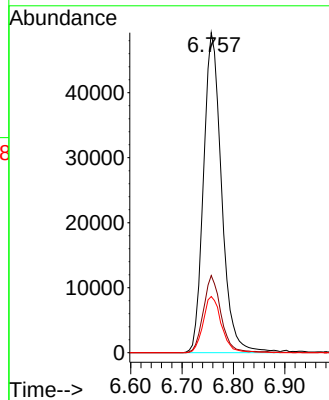
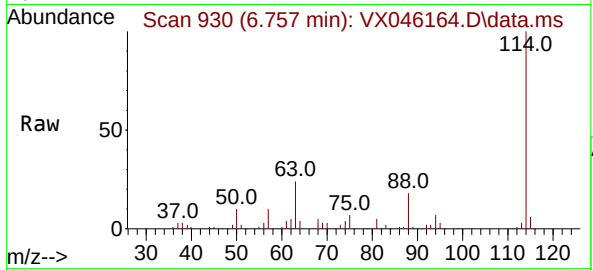




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046164.D
Acq: 13 May 2025 14:25

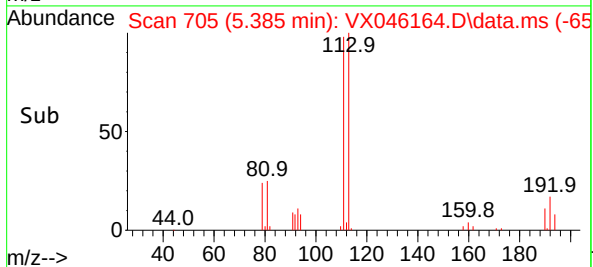
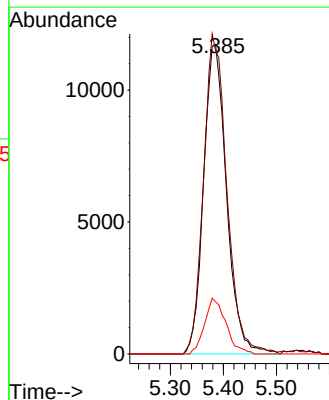
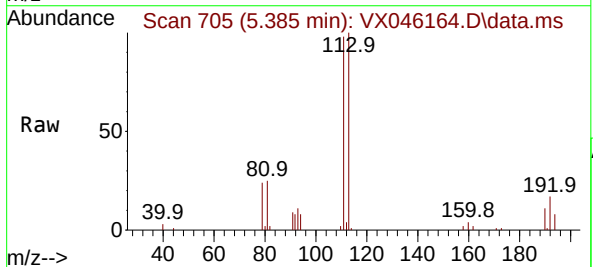
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-05-G

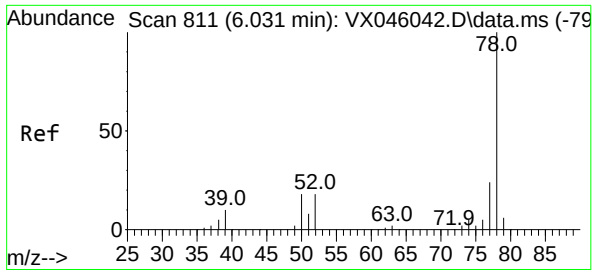
Tgt Ion:114 Resp: 120158
Ion Ratio Lower Upper
114 100
63 24.1 0.0 49.2
88 17.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 40.840 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046164.D
Acq: 13 May 2025 14:25

Tgt Ion:113 Resp: 35337
Ion Ratio Lower Upper
113 100
111 104.4 83.1 124.7
192 16.7 13.3 19.9

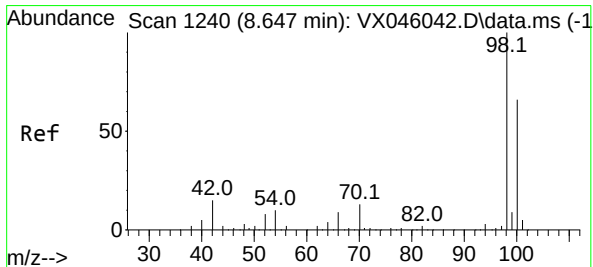
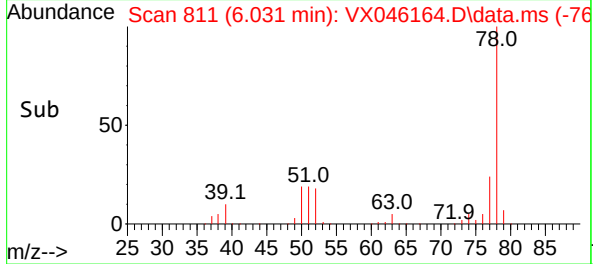
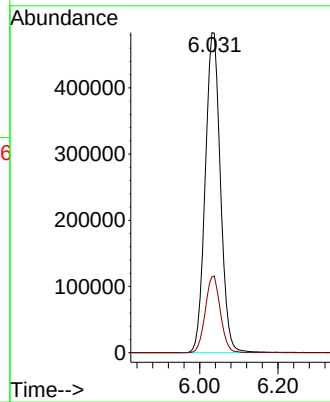
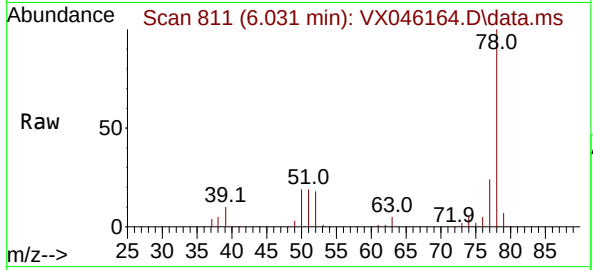




#40
Benzene
Concen: 381.282 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046164.D
Acq: 13 May 2025 14:25

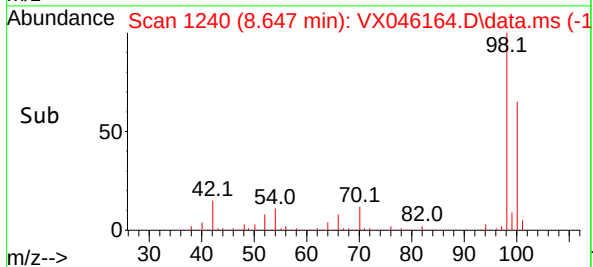
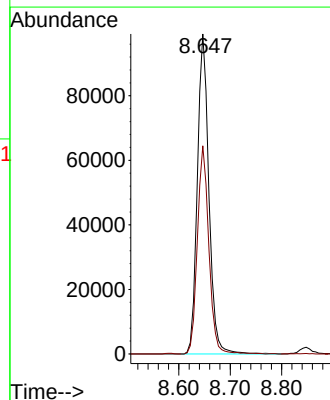
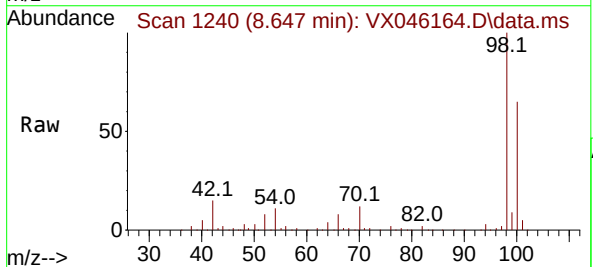
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-05-G

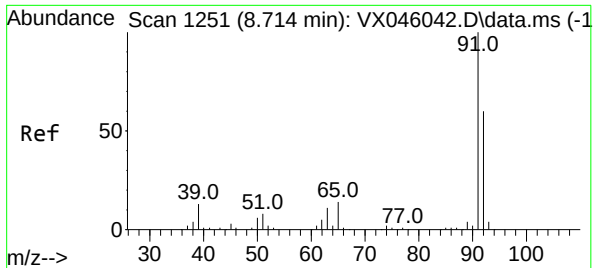
Tgt Ion: 78 Resp: 1298368
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4



#50
Toluene-d8
Concen: 51.653 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046164.D
Acq: 13 May 2025 14:25

Tgt Ion: 98 Resp: 154690
Ion Ratio Lower Upper
98 100
100 64.8 53.5 80.3

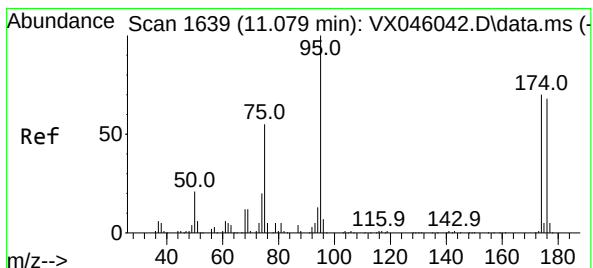
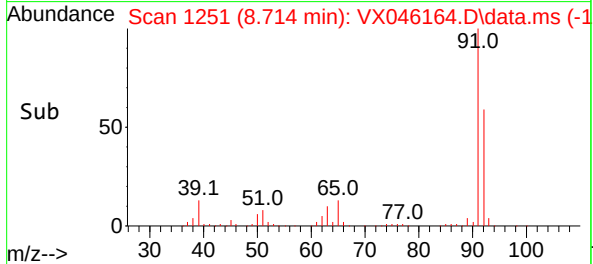
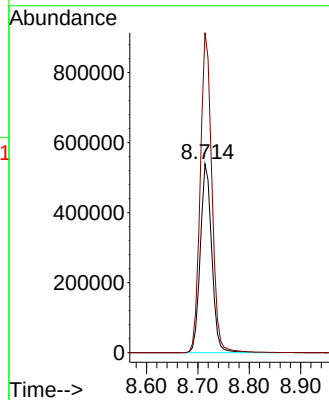
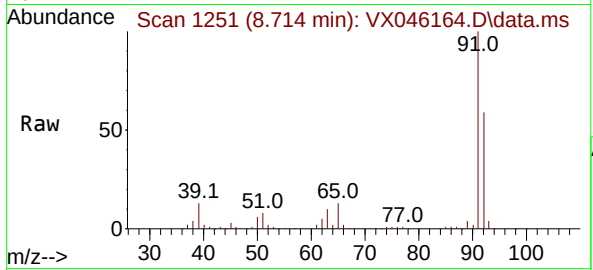




#52
Toluene
Concen: 400.589 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046164.D
Acq: 13 May 2025 14:25

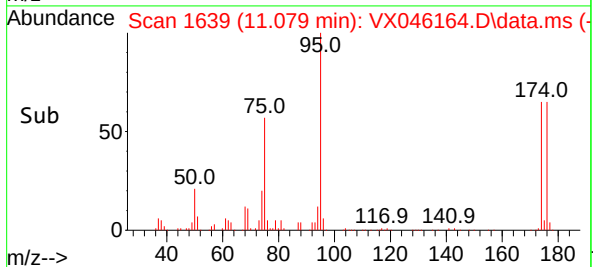
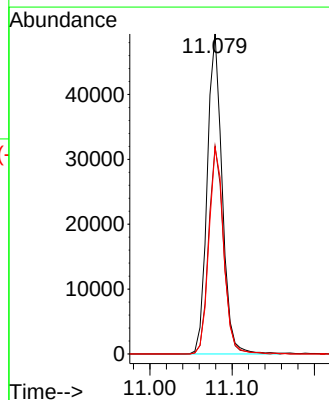
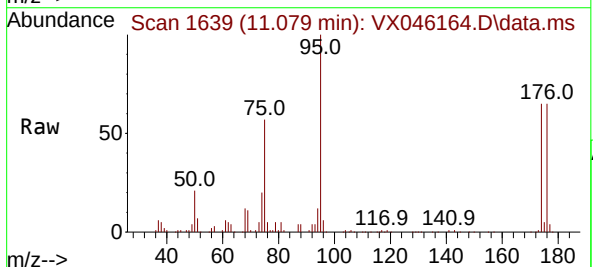
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-05-G

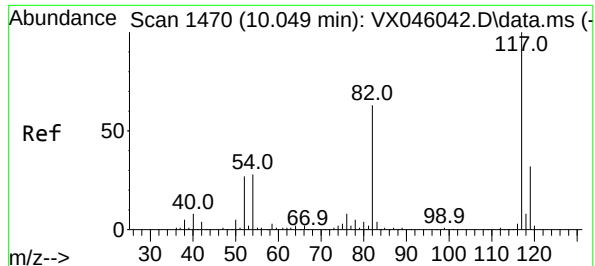
Tgt Ion: 92 Resp: 836452
Ion Ratio Lower Upper
92 100
91 171.3 136.6 205.0



#62
4-Bromofluorobenzene
Concen: 54.104 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046164.D
Acq: 13 May 2025 14:25

Tgt Ion: 95 Resp: 62153
Ion Ratio Lower Upper
95 100
174 64.6 0.0 135.8
176 64.0 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX046164.D

Acq: 13 May 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-05-G

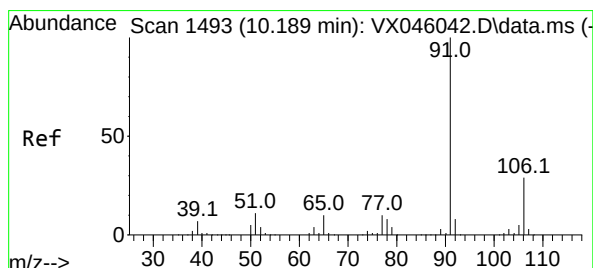
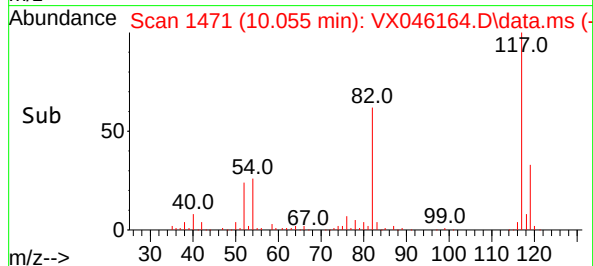
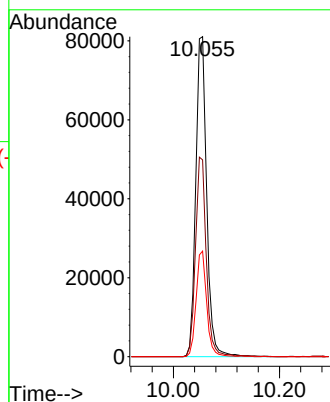
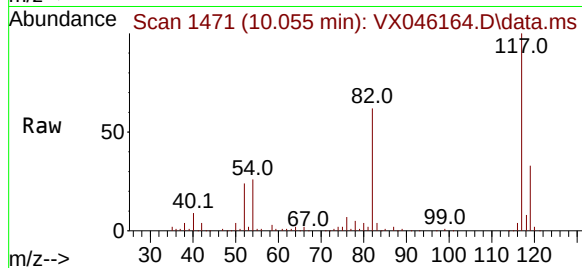
Tgt Ion:117 Resp: 115770

Ion Ratio Lower Upper

117 100

82 61.5 50.6 76.0

119 33.0 25.8 38.6



#67

Ethyl Benzene

Concen: 588.770 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX046164.D

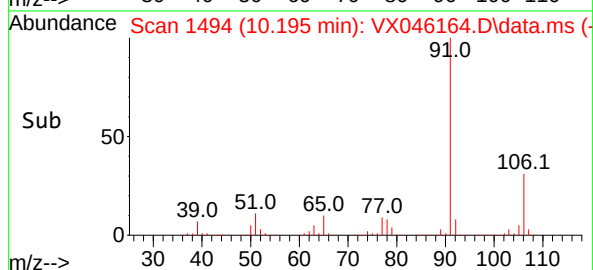
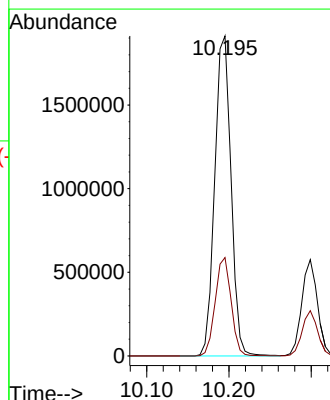
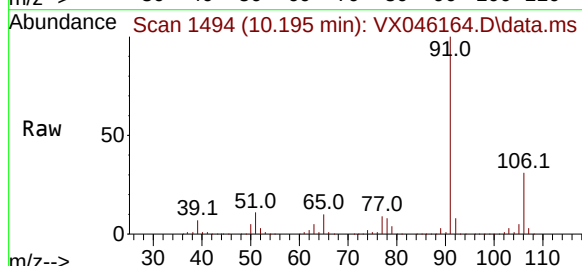
Acq: 13 May 2025 14:25

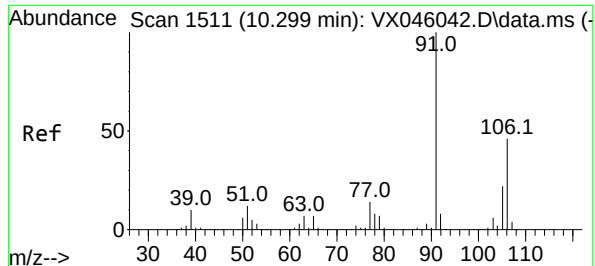
Tgt Ion: 91 Resp: 2629812

Ion Ratio Lower Upper

91 100

106 30.7 23.4 35.2





#68

m/p-Xylenes

Concen: 217.695 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX046164.D

Acq: 13 May 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

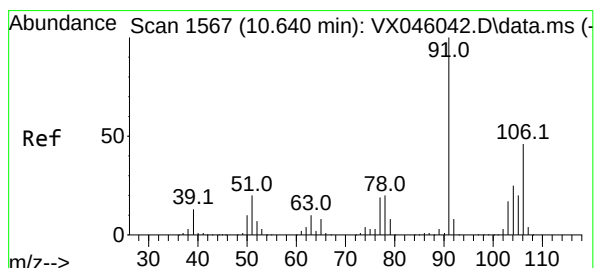
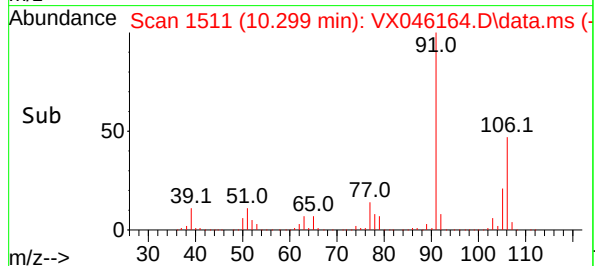
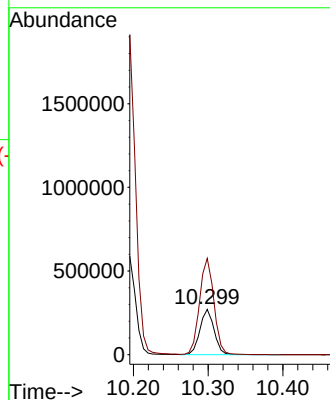
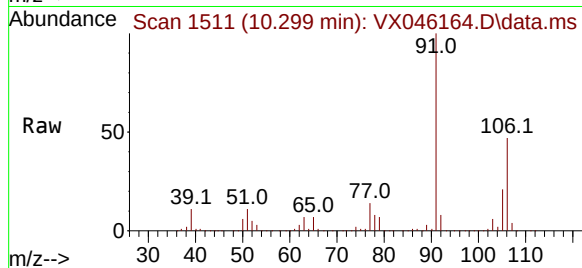
WC-A1-05-G

Tgt Ion:106 Resp: 355634

Ion Ratio Lower Upper

106 100

91 215.8 171.2 256.8



#69

o-Xylene

Concen: 161.839 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX046164.D

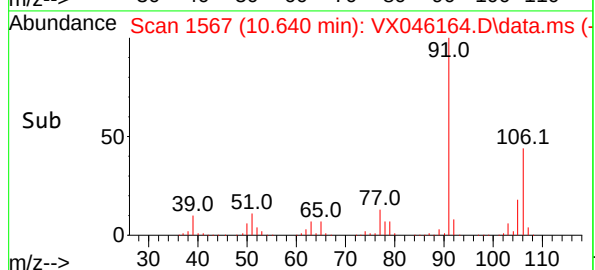
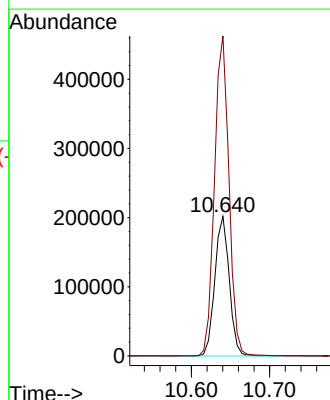
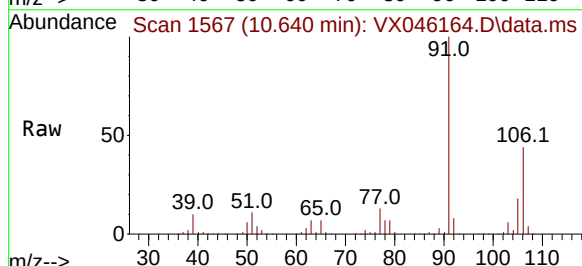
Acq: 13 May 2025 14:25

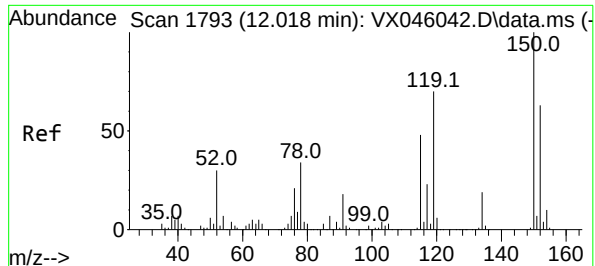
Tgt Ion:106 Resp: 257750

Ion Ratio Lower Upper

106 100

91 229.9 112.7 338.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046164.D

Acq: 13 May 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-05-G

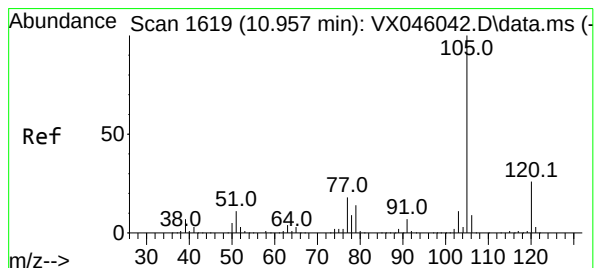
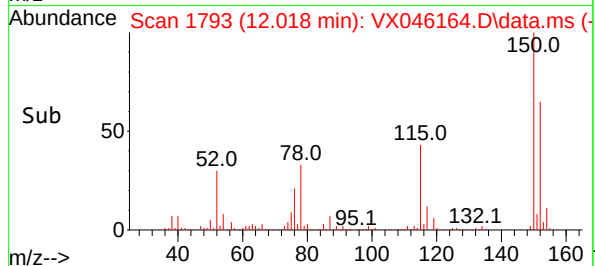
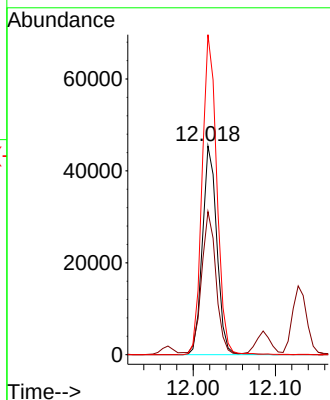
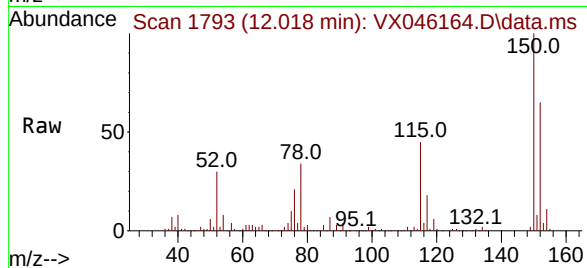
Tgt Ion:152 Resp: 55282

Ion Ratio Lower Upper

152 100

115 67.3 46.9 140.7

150 156.5 0.0 351.0



#73

Isopropylbenzene

Concen: 24.279 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX046164.D

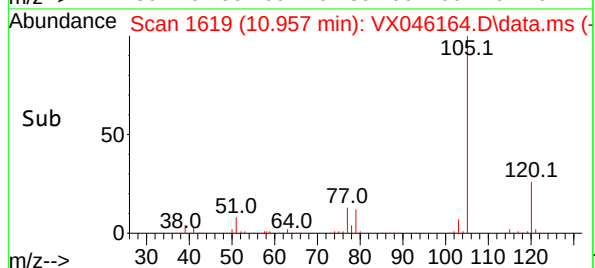
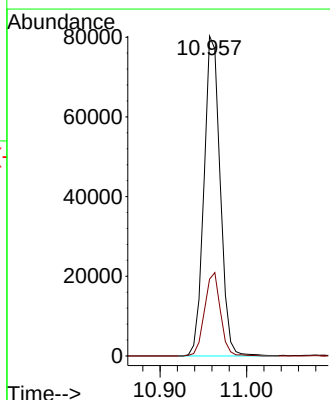
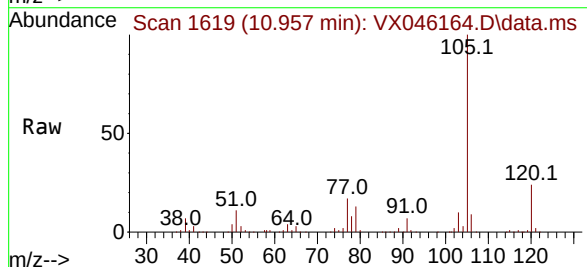
Acq: 13 May 2025 14:25

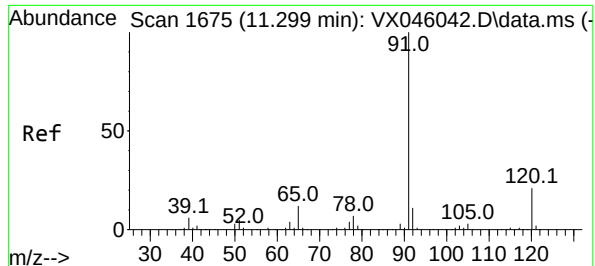
Tgt Ion:105 Resp: 104495

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.4





#78

n-propylbenzene

Concen: 6.046 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046164.D

Acq: 13 May 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

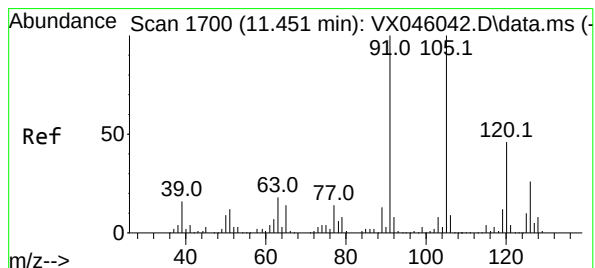
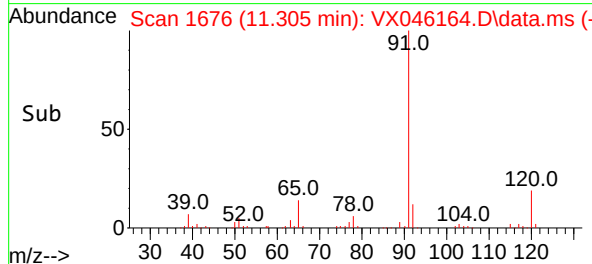
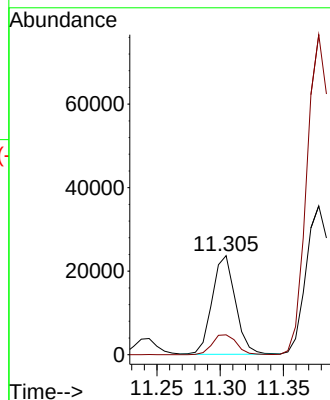
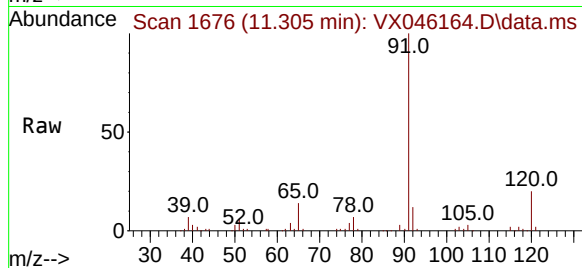
WC-A1-05-G

Tgt Ion: 91 Resp: 30257

Ion Ratio Lower Upper

91 100

120 21.3 10.8 32.4



#80

1,3,5-Trimethylbenzene

Concen: 23.219 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046164.D

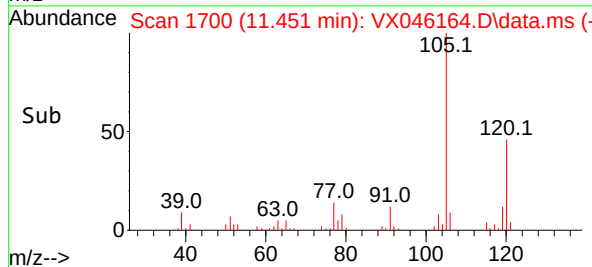
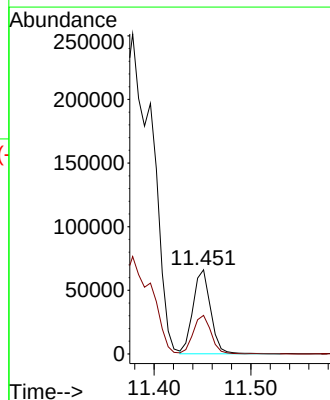
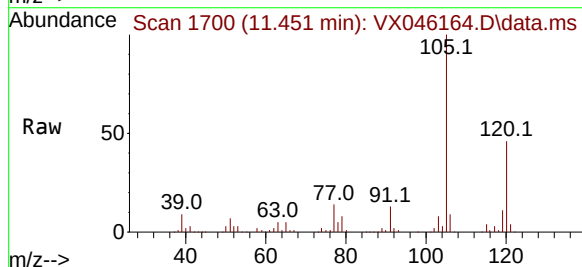
Acq: 13 May 2025 14:25

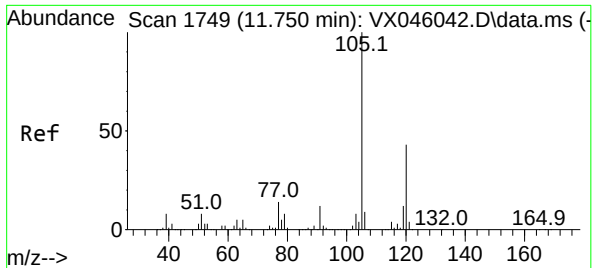
Tgt Ion: 105 Resp: 83484

Ion Ratio Lower Upper

105 100

120 46.4 23.1 69.2

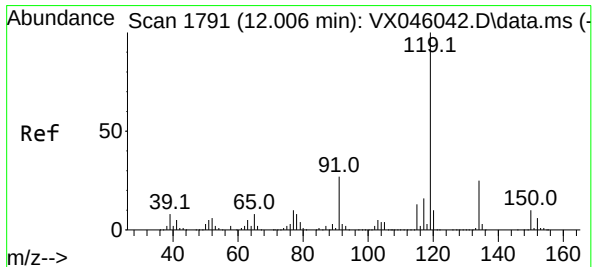
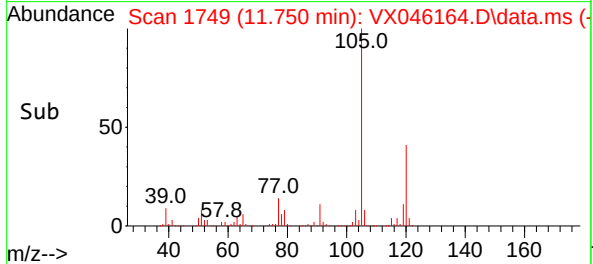
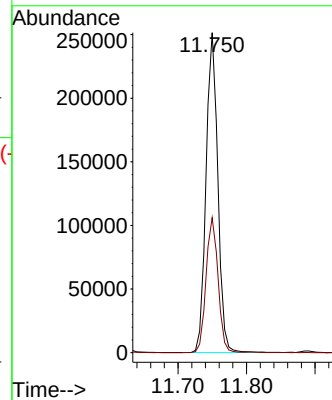
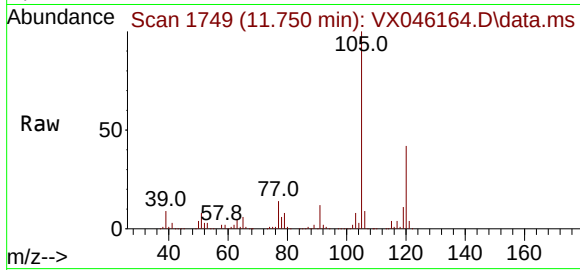




#84
1,2,4-Trimethylbenzene
Concen: 82.628 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046164.D
Acq: 13 May 2025 14:25

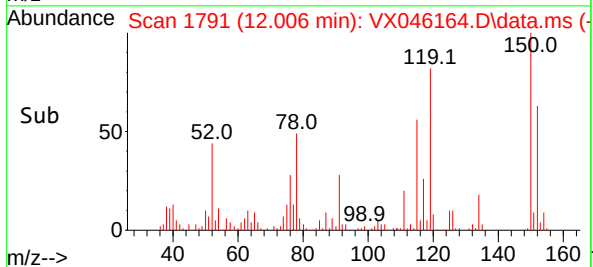
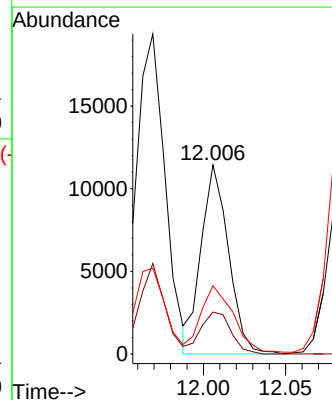
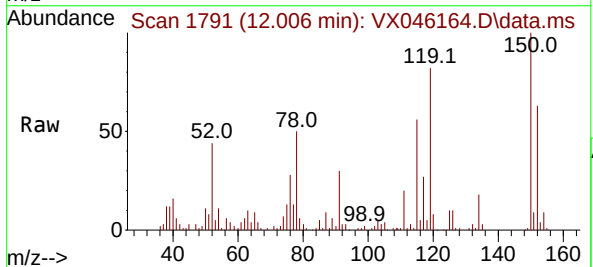
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-05-G

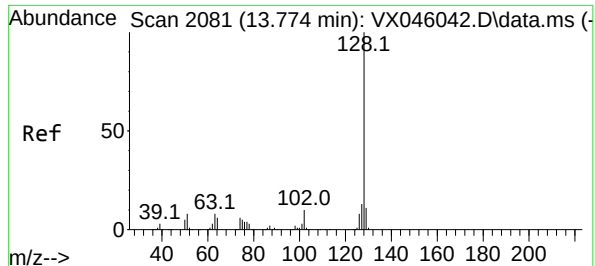
Tgt Ion:105 Resp: 300865
Ion Ratio Lower Upper
105 100
120 43.0 21.2 63.6



#86
p-Isopropyltoluene
Concen: 3.618 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046164.D
Acq: 13 May 2025 14:25

Tgt Ion:119 Resp: 13281
Ion Ratio Lower Upper
119 100
134 24.5 12.5 37.5
91 0.0 13.8 41.4#





#95

Naphthalene

Concen: 3525.134 ug/l

RT: 13.786 min Scan# 20

Delta R.T. 0.012 min

Lab File: VX046164.D

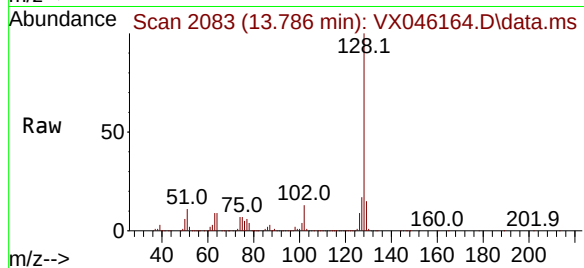
Acq: 13 May 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-05-G



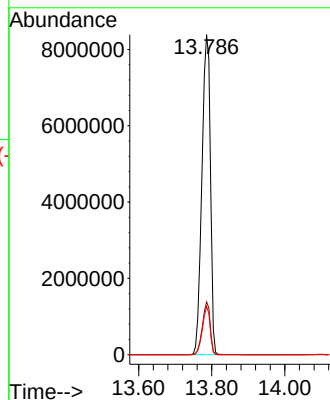
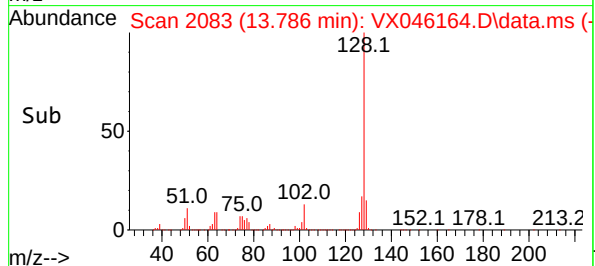
Tgt Ion:128 Resp:13588910

Ion Ratio Lower Upper

128 100

127 15.1 10.4 15.6

129 13.5 8.6 13.0#



Report of Analysis

Client:	ENTACT	Date Collected:	05/07/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/09/25
Client Sample ID:	WC-A1-05-GDL	SDG No.:	Q2001
Lab Sample ID:	Q2001-05DL	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046190.D	10		05/14/25 13:35	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	20.5	JD	2.60	50.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	UD	2.30	50.0	ug/L
78-93-3	2-Butanone	9.80	UD	9.80	250	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	2.50	50.0	ug/L
67-66-3	Chloroform	2.50	UD	2.50	50.0	ug/L
71-43-2	Benzene	370	D	1.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	UD	2.20	50.0	ug/L
79-01-6	Trichloroethene	0.93	UD	0.93	50.0	ug/L
127-18-4	Tetrachloroethene	2.30	UD	2.30	50.0	ug/L
108-90-7	Chlorobenzene	1.20	UD	1.20	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		70 (77) - 130 (121)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65400	5.55			
540-36-3	1,4-Difluorobenzene	131000	6.757			
3114-55-4	Chlorobenzene-d5	123000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	57300	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046190.D
 Acq On : 14 May 2025 13:35
 Operator : JC/MD
 Sample : Q2001-05DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A1-05-GDL

Quant Time: May 15 01:22:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

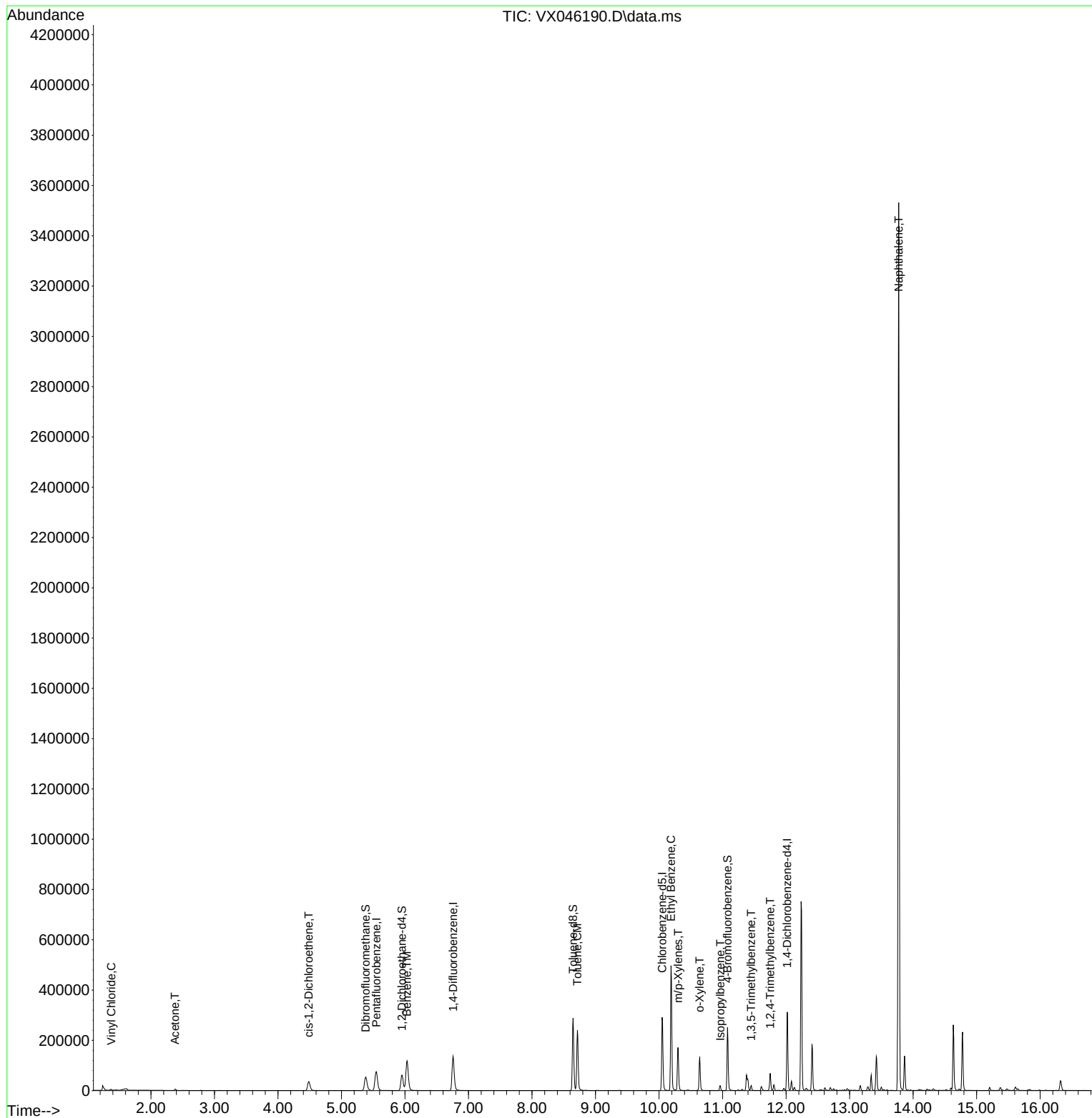
Internal Standards						
1) Pentafluorobenzene	5.550	168	65402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64073	52.549	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.100%
35) Dibromofluoromethane	5.379	113	47116	50.021	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.040%
50) Toluene-d8	8.647	98	164731	50.529	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.060%
62) 4-Bromofluorobenzene	11.079	95	67086	53.646	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.300%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	1852	2.050	ug/l #	87
16) Acetone	2.380	43	6054	12.383	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	22054	23.490	ug/l	88
40) Benzene	6.031	78	138974	37.490	ug/l	100
52) Toluene	8.714	92	87011	38.279	ug/l	98
67) Ethyl Benzene	10.189	91	279445	58.744	ug/l	100
68) m/p-Xylenes	10.299	106	36975	21.252	ug/l	95
69) o-Xylene	10.640	106	26489	15.617	ug/l	94
73) Isopropylbenzene	10.963	105	10433	2.340	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	8345	2.240	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	28813	7.638	ug/l	98
95) Naphthalene	13.774	128	1972992	494.009	ug/l	100

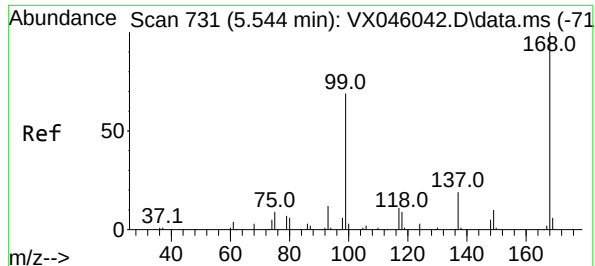
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046190.D
Acq On : 14 May 2025 13:35
Operator : JC/MD
Sample : Q2001-05DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A1-05-GDL

Quant Time: May 15 01:22:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

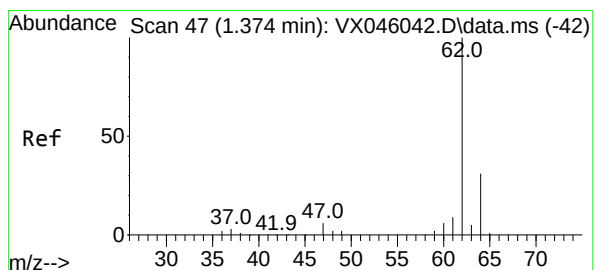
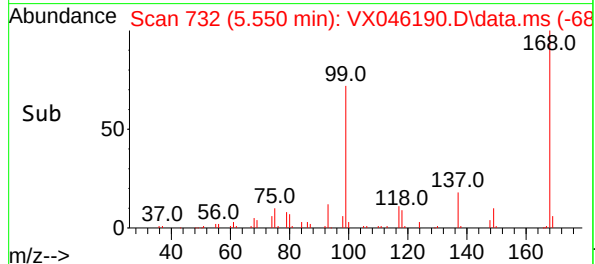
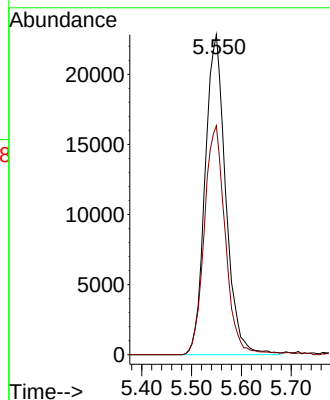
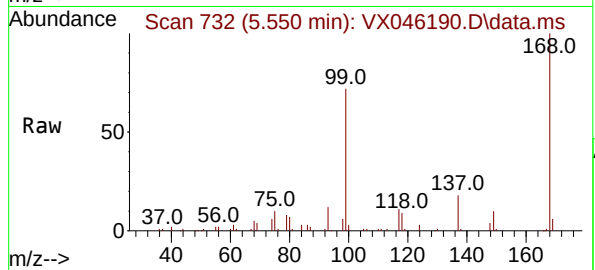




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046190.D
Acq: 14 May 2025 13:35

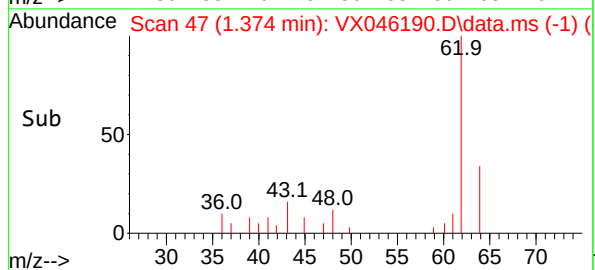
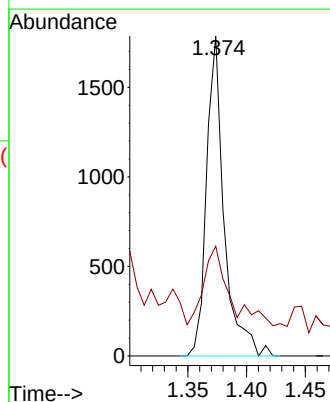
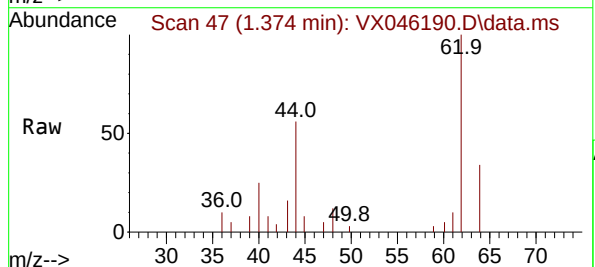
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-05-GDL

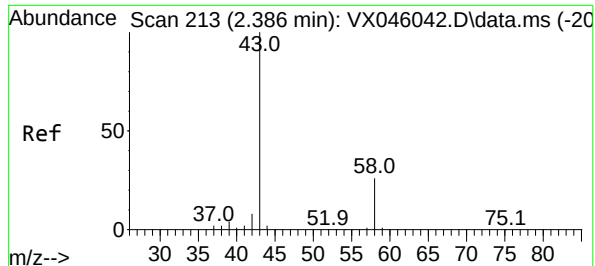
Tgt Ion:168 Resp: 65402
Ion Ratio Lower Upper
168 100
99 71.5 54.9 82.3



#4
Vinyl Chloride
Concen: 2.050 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046190.D
Acq: 14 May 2025 13:35

Tgt Ion: 62 Resp: 1852
Ion Ratio Lower Upper
62 100
64 24.2 25.2 37.8#

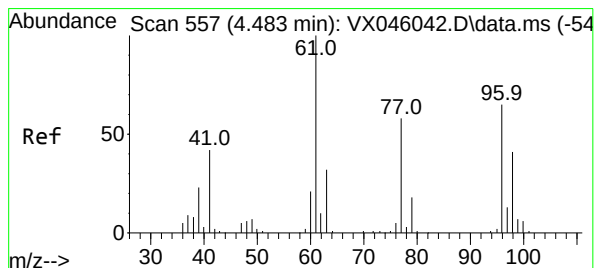
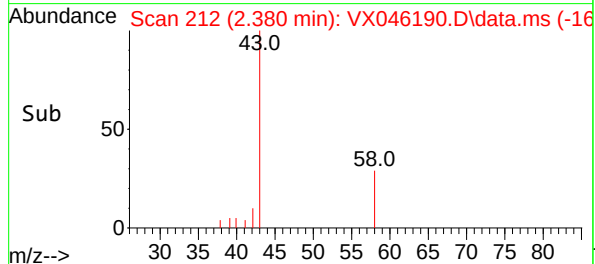
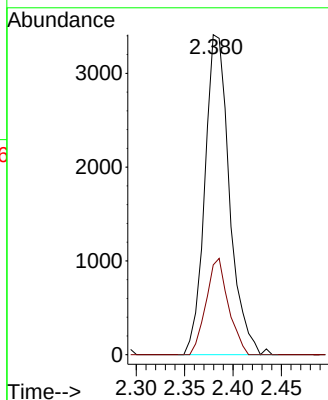
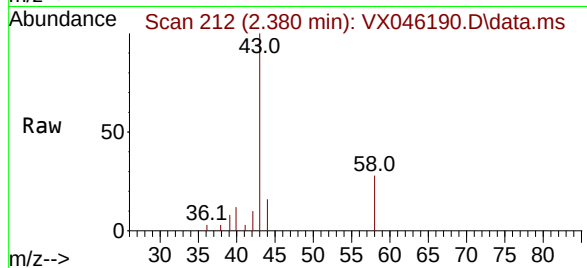




#16
Acetone
Concen: 12.383 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046190.D
Acq: 14 May 2025 13:35

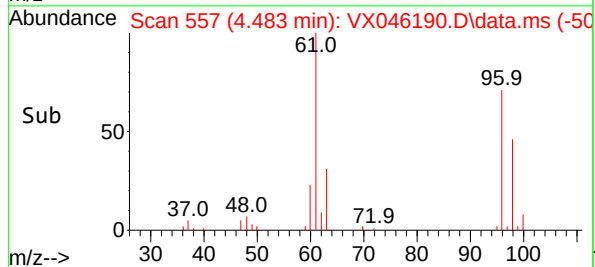
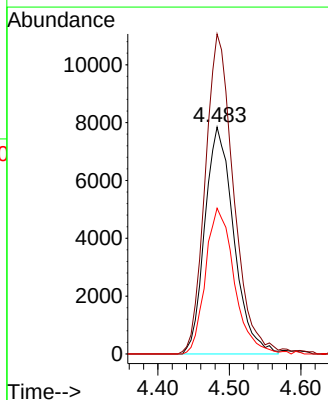
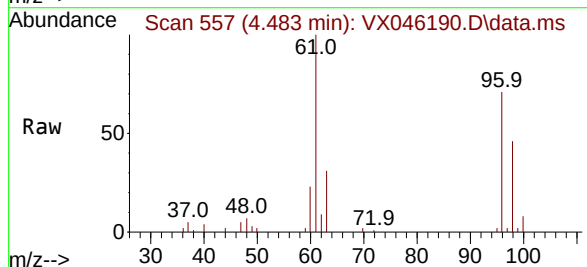
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-05-GDL

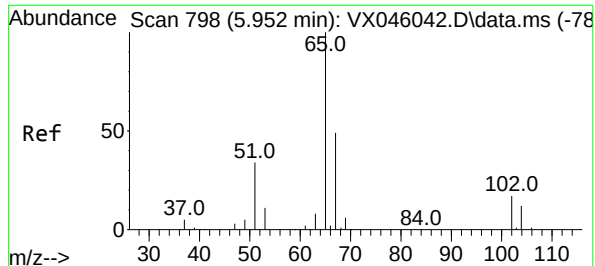
Tgt Ion: 43 Resp: 6054
Ion Ratio Lower Upper
43 100
58 28.1 21.2 31.8



#27
cis-1,2-Dichloroethene
Concen: 23.490 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX046190.D
Acq: 14 May 2025 13:35

Tgt Ion: 96 Resp: 22054
Ion Ratio Lower Upper
96 100
61 139.7 0.0 322.8
98 63.9 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 52.549 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046190.D

Acq: 14 May 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

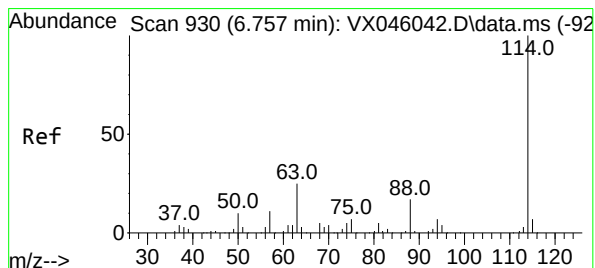
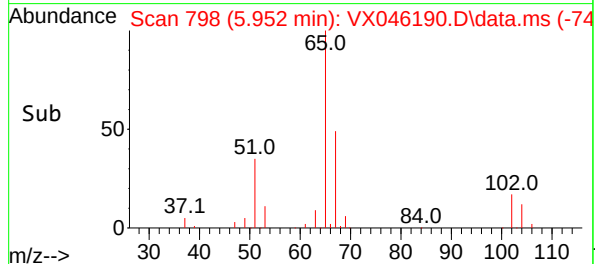
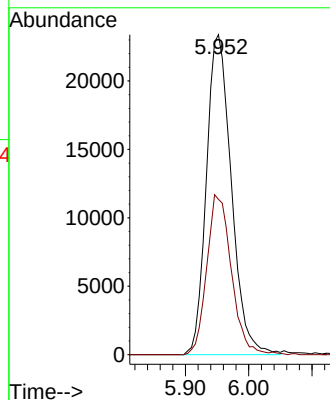
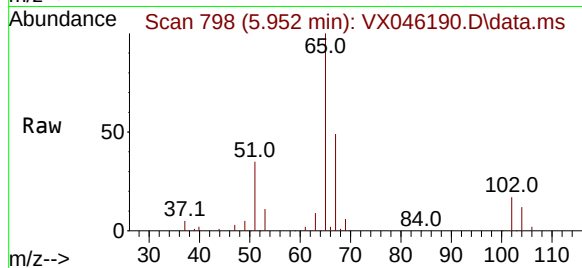
WC-A1-05-GDL

Tgt Ion: 65 Resp: 64073

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046190.D

Acq: 14 May 2025 13:35

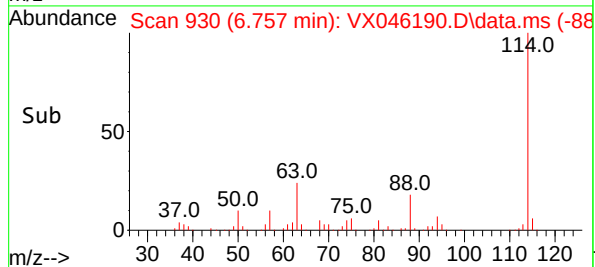
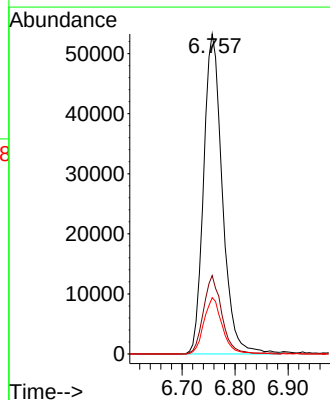
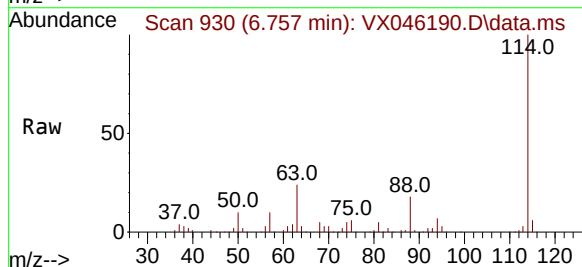
Tgt Ion: 114 Resp: 130804

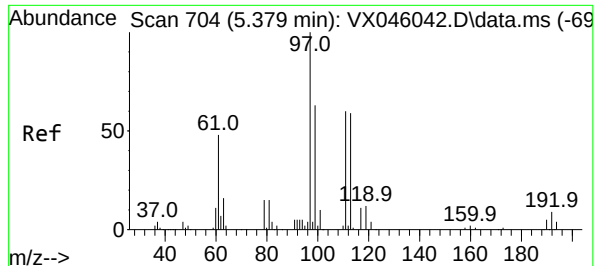
Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

88 17.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.021 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046190.D

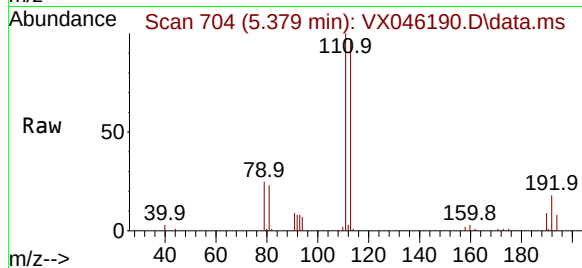
Acq: 14 May 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-05-GDL



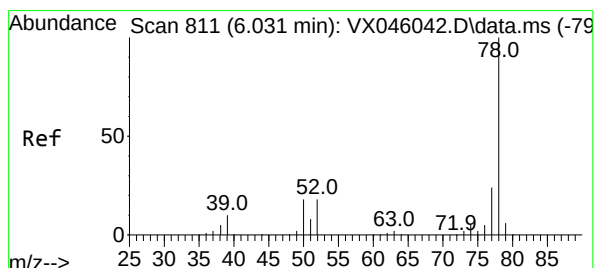
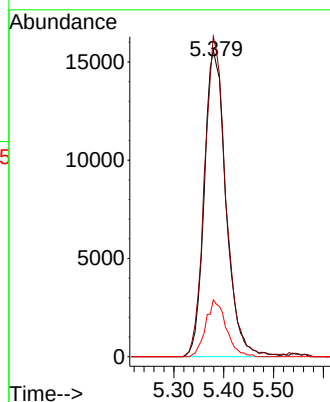
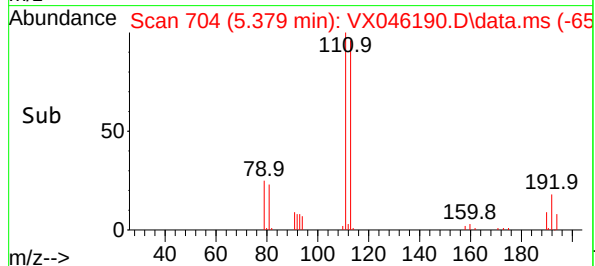
Tgt Ion:113 Resp: 47116

Ion Ratio Lower Upper

113 100

111 102.7 83.1 124.7

192 17.4 13.3 19.9



#40

Benzene

Concen: 37.490 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX046190.D

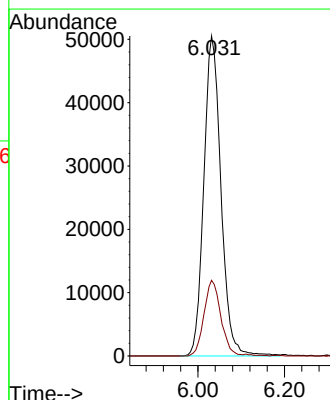
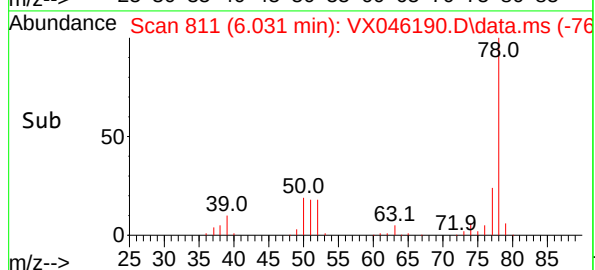
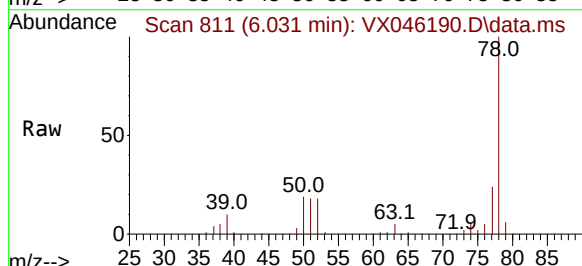
Acq: 14 May 2025 13:35

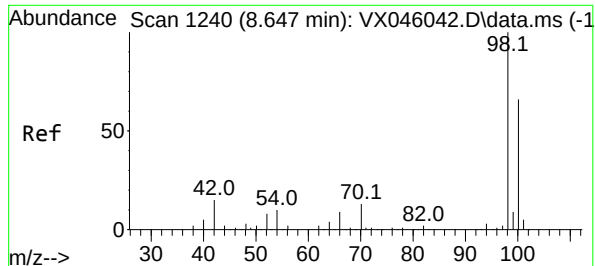
Tgt Ion: 78 Resp: 138974

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4





#50

Toluene-d8

Concen: 50.529 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046190.D

Acq: 14 May 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

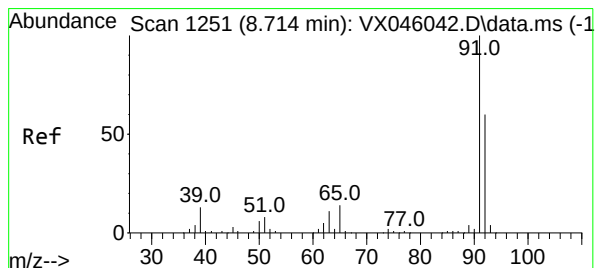
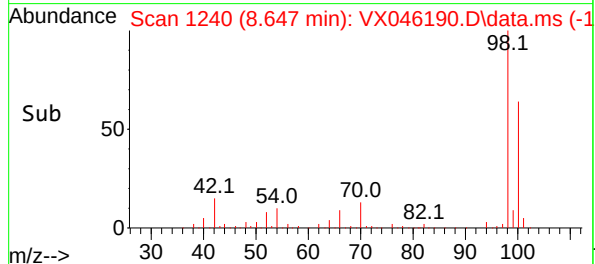
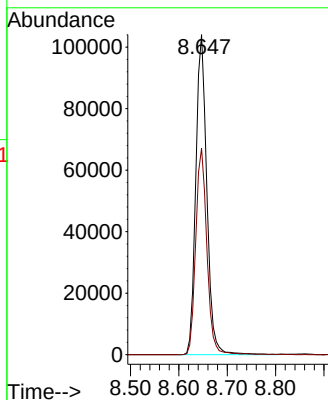
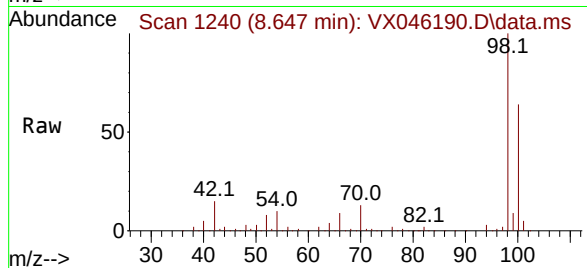
WC-A1-05-GDL

Tgt Ion: 98 Resp: 164731

Ion Ratio Lower Upper

98 100

100 65.2 53.5 80.3



#52

Toluene

Concen: 38.279 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX046190.D

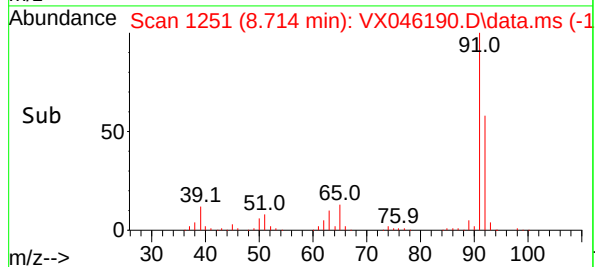
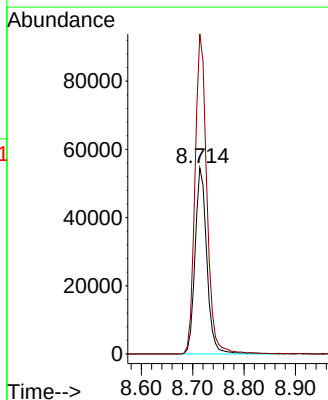
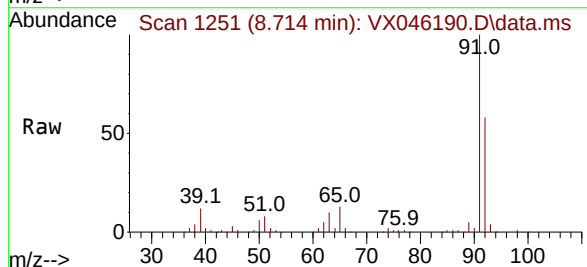
Acq: 14 May 2025 13:35

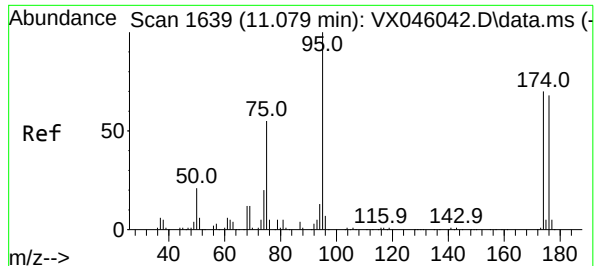
Tgt Ion: 92 Resp: 87011

Ion Ratio Lower Upper

92 100

91 173.7 136.6 205.0

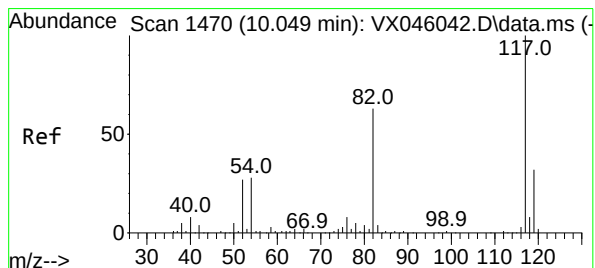
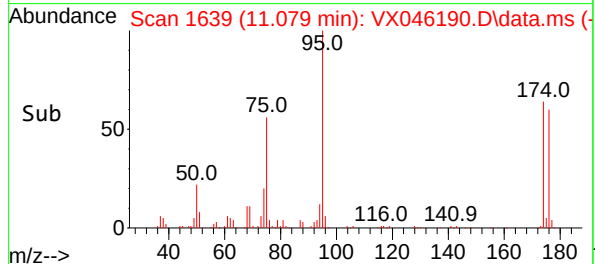
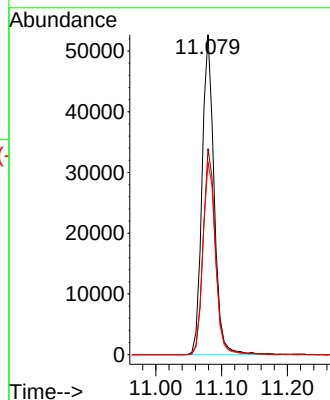
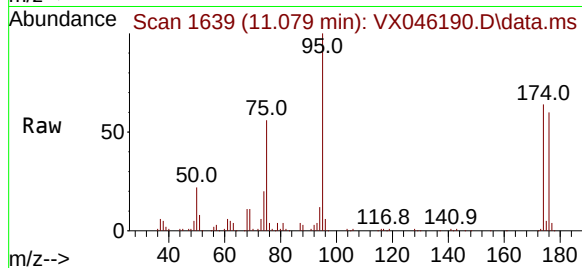




#62
4-Bromofluorobenzene
Concen: 53.646 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046190.D
Acq: 14 May 2025 13:35

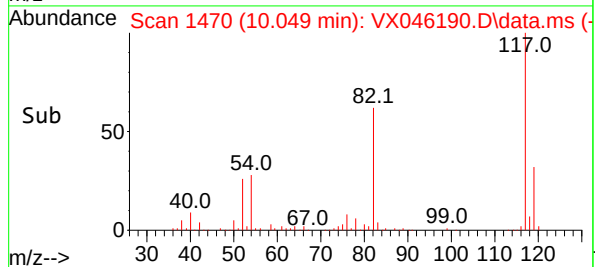
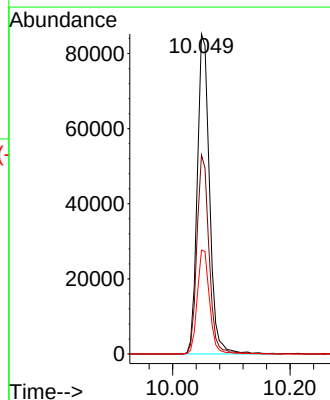
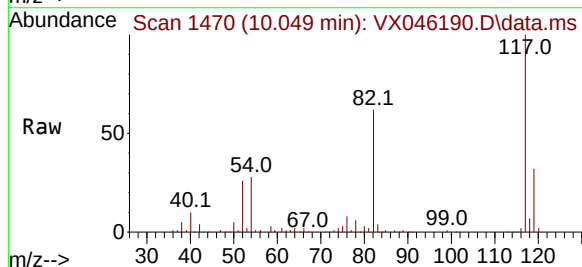
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-05-GDL

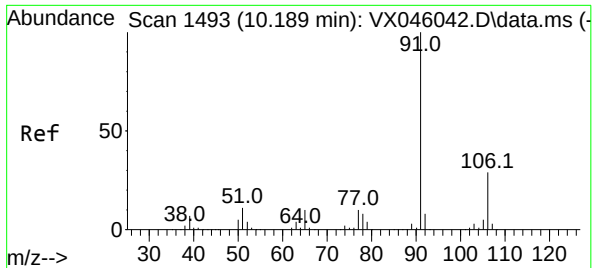
Tgt Ion: 95 Resp: 67086
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.8
176 62.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046190.D
Acq: 14 May 2025 13:35

Tgt Ion: 117 Resp: 123296
Ion Ratio Lower Upper
117 100
82 62.2 50.6 76.0
119 32.4 25.8 38.6





#67

Ethyl Benzene

Concen: 58.744 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX046190.D

Acq: 14 May 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

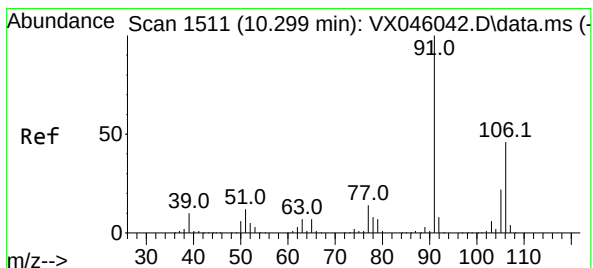
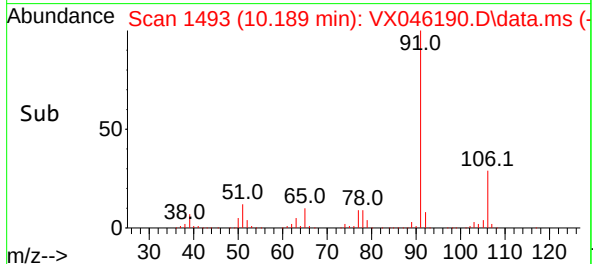
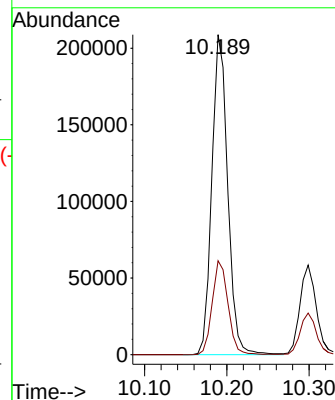
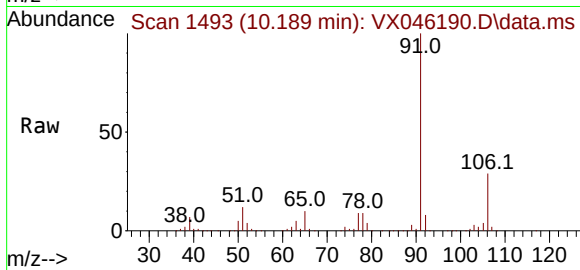
WC-A1-05-GDL

Tgt Ion: 91 Resp: 279445

Ion Ratio Lower Upper

91 100

106 29.3 23.4 35.2



#68

m/p-Xylenes

Concen: 21.252 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX046190.D

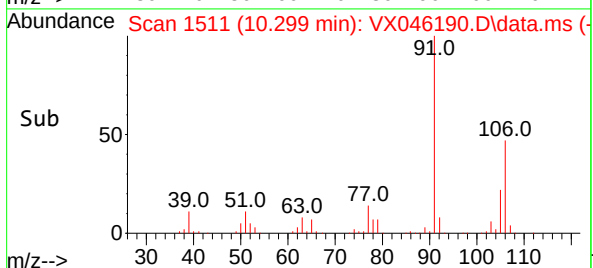
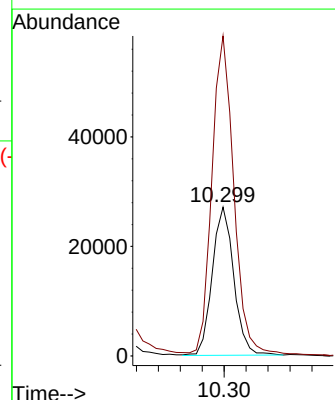
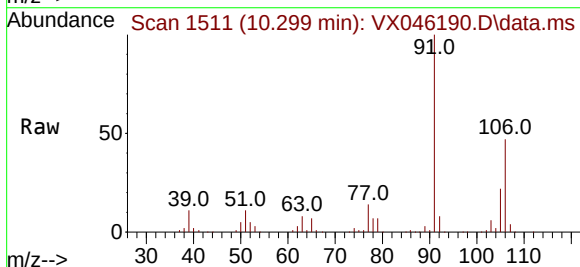
Acq: 14 May 2025 13:35

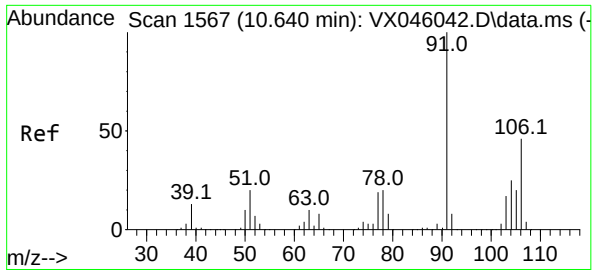
Tgt Ion:106 Resp: 36975

Ion Ratio Lower Upper

106 100

91 221.2 171.2 256.8





#69

o-Xylene

Concen: 15.617 ug/l

RT: 10.640 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046190.D

Acq: 14 May 2025 13:35

Instrument :

MSVOA_X

ClientSampleId :

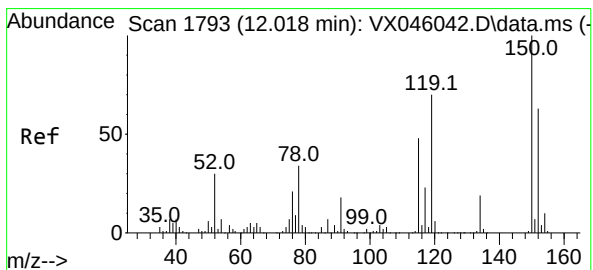
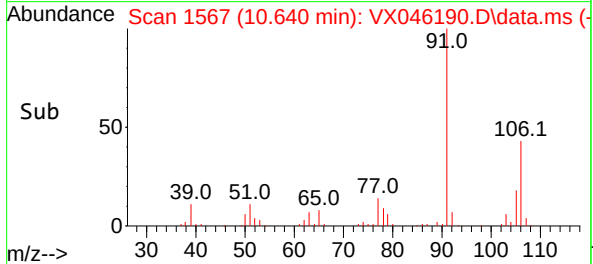
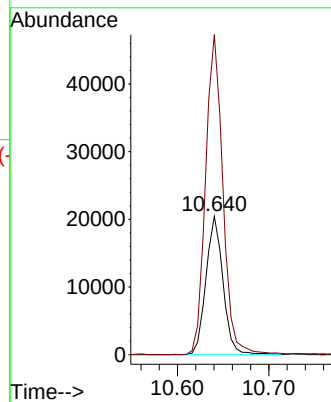
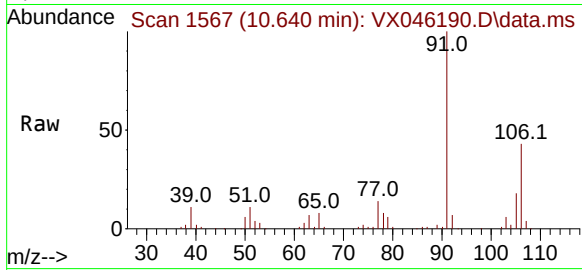
WC-A1-05-GDL

Tgt Ion:106 Resp: 26489

Ion Ratio Lower Upper

106 100

91 235.1 112.7 338.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046190.D

Acq: 14 May 2025 13:35

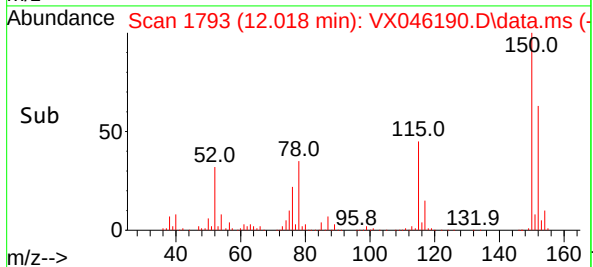
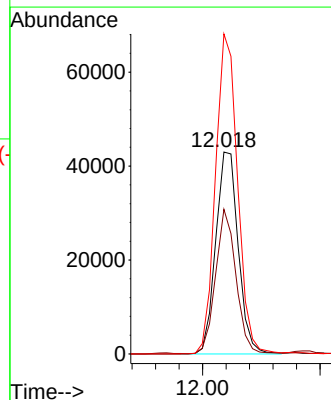
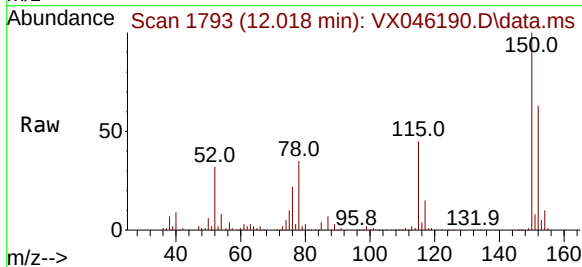
Tgt Ion:152 Resp: 57275

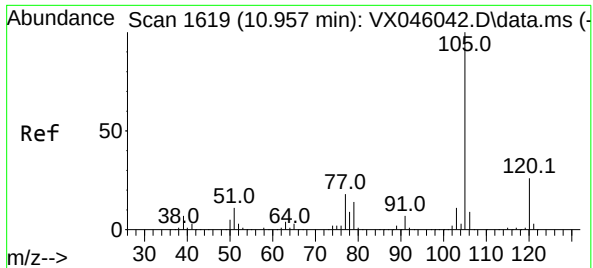
Ion Ratio Lower Upper

152 100

115 64.5 46.9 140.7

150 155.8 0.0 351.0

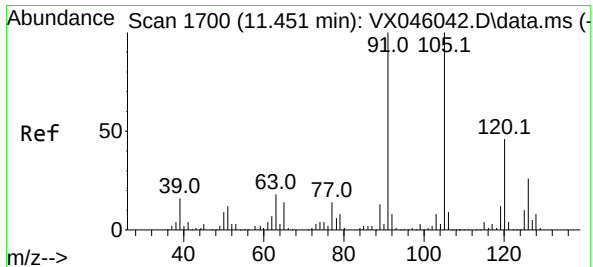
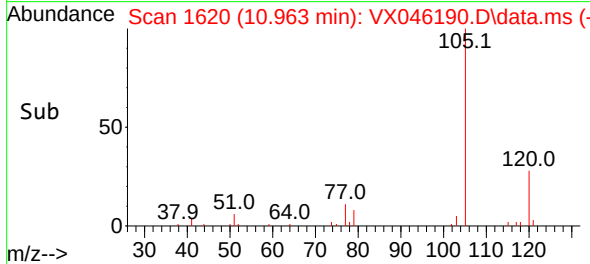
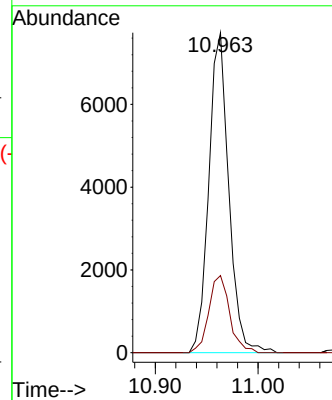
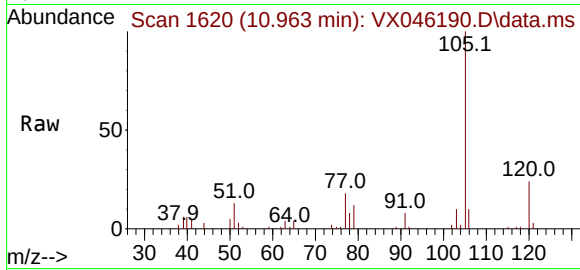




#73
Isopropylbenzene
Concen: 2.340 ug/l
RT: 10.963 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX046190.D
Acq: 14 May 2025 13:35

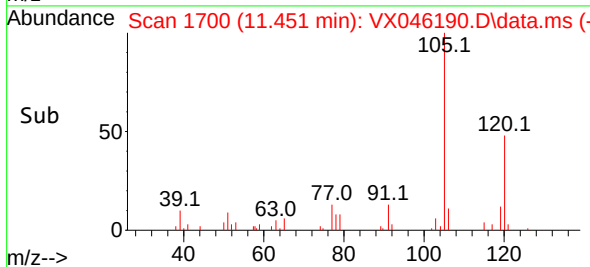
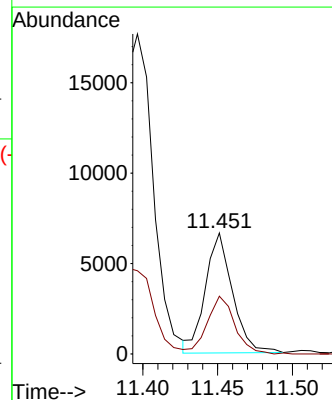
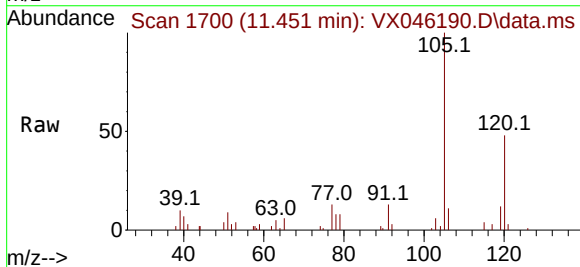
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-05-GDL

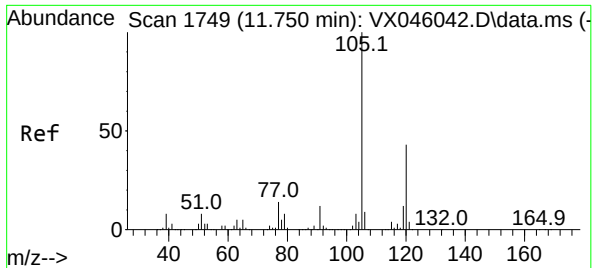
Tgt Ion:105 Resp: 10433
Ion Ratio Lower Upper
105 100
120 25.2 12.8 38.4



#80
1,3,5-Trimethylbenzene
Concen: 2.240 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046190.D
Acq: 14 May 2025 13:35

Tgt Ion:105 Resp: 8345
Ion Ratio Lower Upper
105 100
120 49.0 23.1 69.2

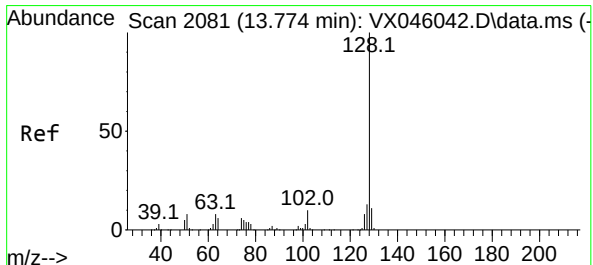
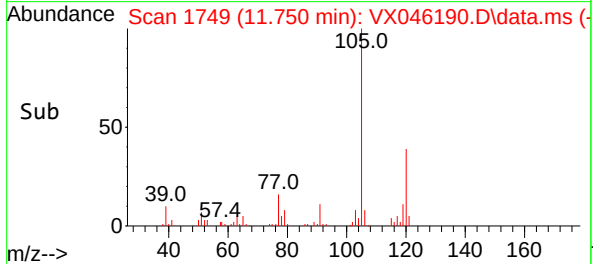
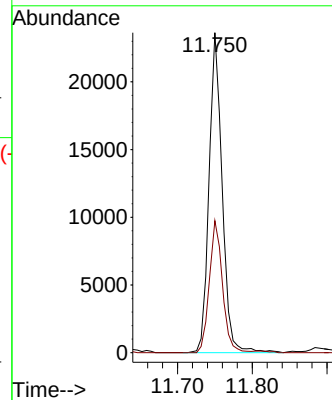
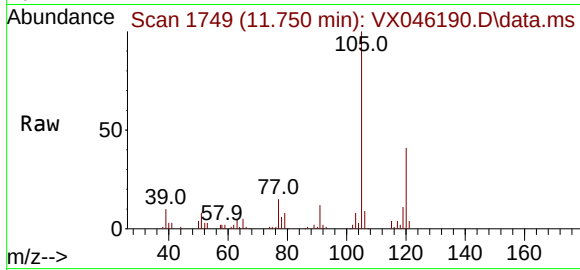




#84
1,2,4-Trimethylbenzene
Concen: 7.638 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046190.D
Acq: 14 May 2025 13:35

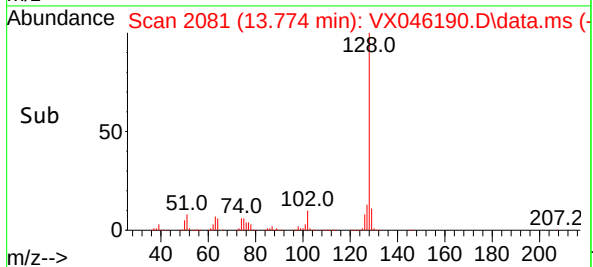
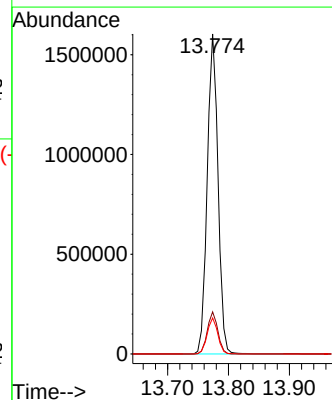
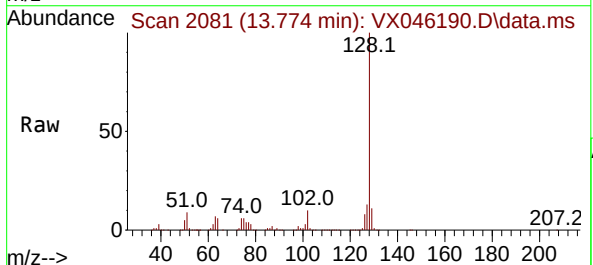
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-05-GDL

Tgt Ion:105 Resp: 28813
Ion Ratio Lower Upper
105 100
120 41.3 21.2 63.6



#95
Naphthalene
Concen: 494.009 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046190.D
Acq: 14 May 2025 13:35

Tgt Ion:128 Resp: 1972992
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.1 8.6 13.0



Report of Analysis

Client:	ENTACT	Date Collected:	05/08/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/09/25
Client Sample ID:	WC-A1-06-G	SDG No.:	Q2001
Lab Sample ID:	Q2001-09	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046165.D	1		05/13/25 14:48	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	1000	E	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	42.3		70 (75) - 130 (124)	85%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	69400	5.55			
540-36-3	1,4-Difluorobenzene	132000	6.757			
3114-55-4	Chlorobenzene-d5	123000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	59200	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046165.D
 Acq On : 13 May 2025 14:48
 Operator : JC/MD
 Sample : Q2001-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A1-06-G

Quant Time: May 14 01:40:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

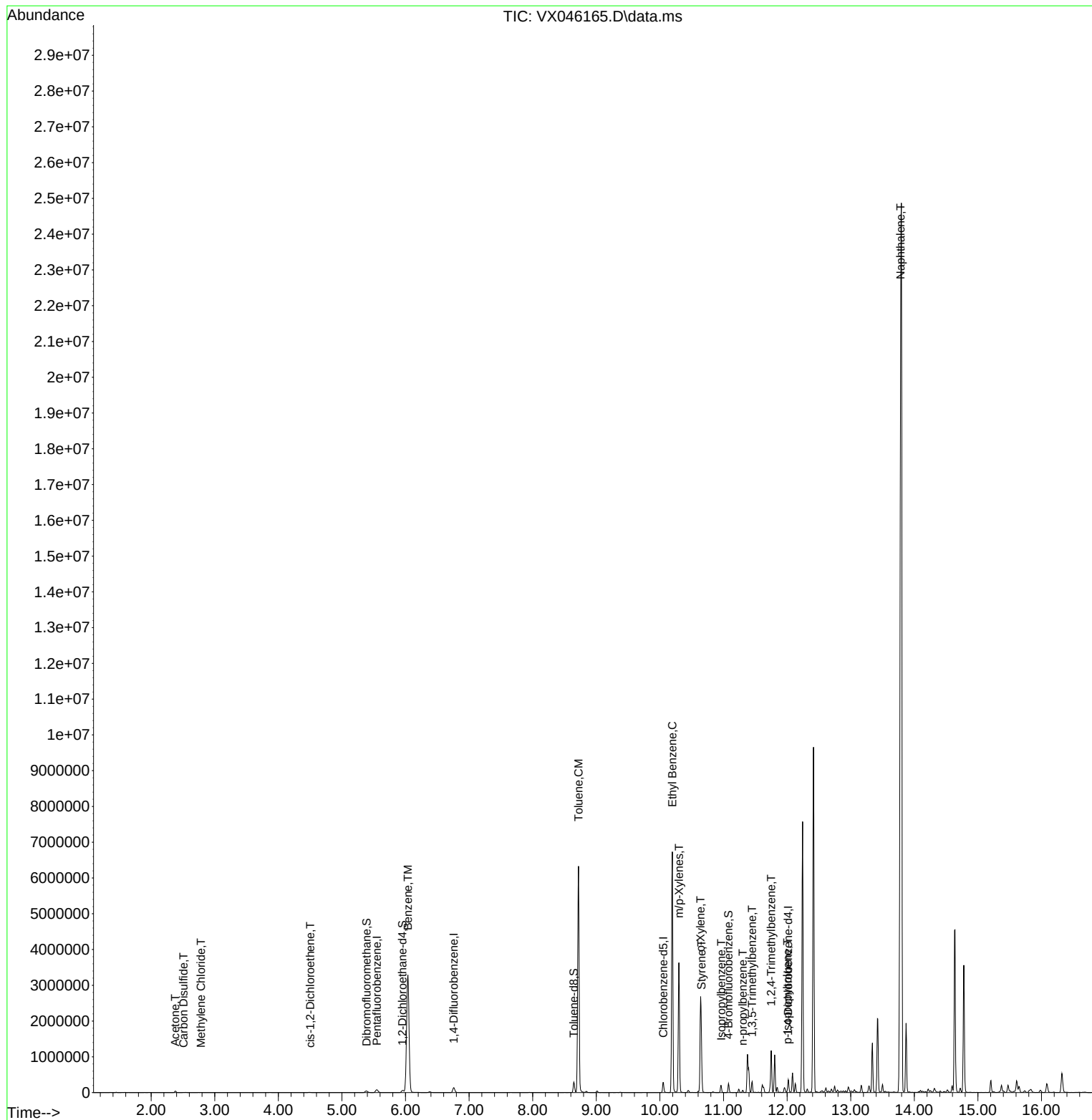
Internal Standards						
1) Pentafluorobenzene	5.550	168	69385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132178	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66347	51.290	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.580%	
35) Dibromofluoromethane	5.385	113	40232	42.268	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 84.540%	
50) Toluene-d8	8.647	98	168390	51.114	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.220%	
62) 4-Bromofluorobenzene	11.079	95	66336	52.494	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.980%	
Target Compounds						Qvalue
16) Acetone	2.379	43	45437	87.605	ug/l	97
17) Carbon Disulfide	2.508	76	3924	2.012	ug/l	98
20) Methylene Chloride	2.782	84	2116	2.129	ug/l #	80
27) cis-1,2-Dichloroethene	4.501	96	4018	4.034	ug/l	87
40) Benzene	6.037	78	3806094	1016.064	ug/l	99
52) Toluene	8.720	92	2344174	1020.567	ug/l	98
67) Ethyl Benzene	10.195	91	3729573	787.219	ug/l	98
68) m/p-Xylenes	10.299	106	758271	437.608	ug/l	99
69) o-Xylene	10.640	106	471049	278.847	ug/l	98
70) Styrene	10.652	104	341245	123.316	ug/l #	85
73) Isopropylbenzene	10.963	105	105478	22.878	ug/l	99
78) n-propylbenzene	11.305	91	38801	7.238	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	130552	33.894	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	473572	121.409	ug/l	99
86) p-Isopropyltoluene	12.006	119	12837	3.265	ug/l #	71
95) Naphthalene	13.786	128	18506550	4481.511	ug/l #	90

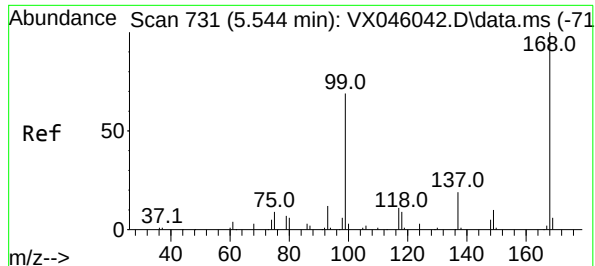
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046165.D
Acq On : 13 May 2025 14:48
Operator : JC/MD
Sample : Q2001-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-G

Quant Time: May 14 01:40:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

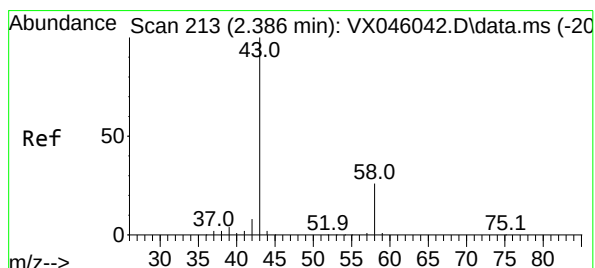
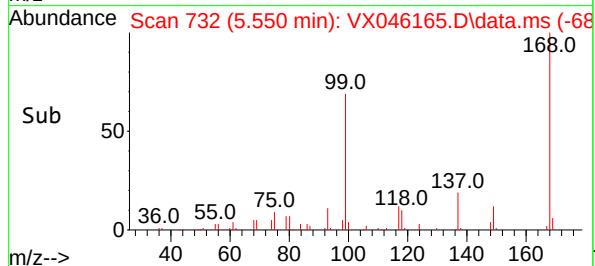
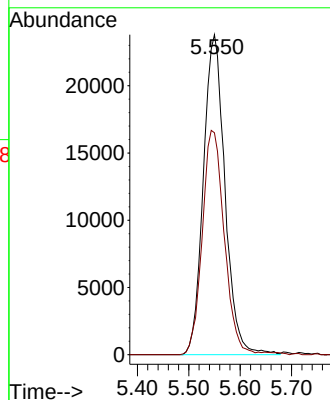
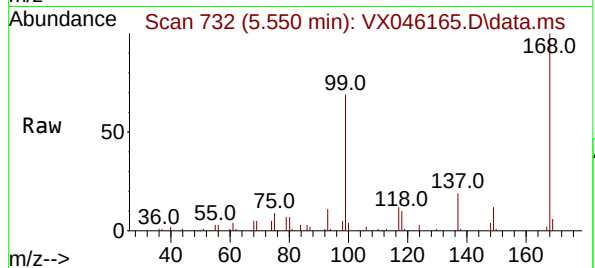




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

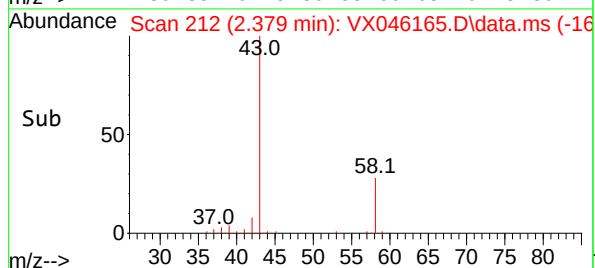
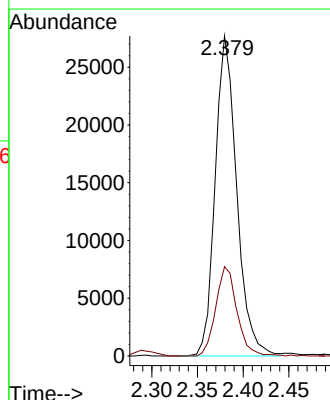
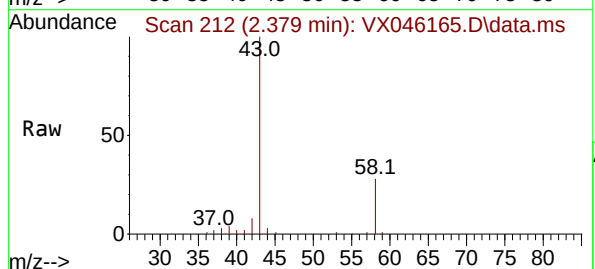
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-G

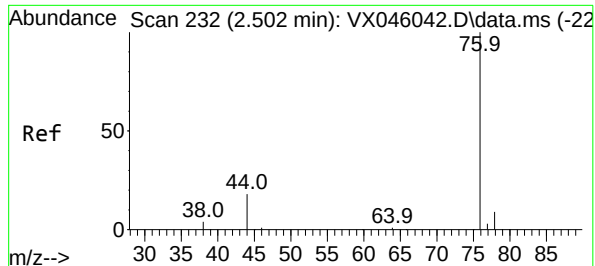
Tgt Ion:168 Resp: 69385
Ion Ratio Lower Upper
168 100
99 69.3 54.9 82.3



#16
Acetone
Concen: 87.605 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

Tgt Ion: 43 Resp: 45437
Ion Ratio Lower Upper
43 100
58 27.9 21.2 31.8





#17

Carbon Disulfide

Concen: 2.012 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046165.D

Acq: 13 May 2025 14:48

Instrument :

MSVOA_X

ClientSampleId :

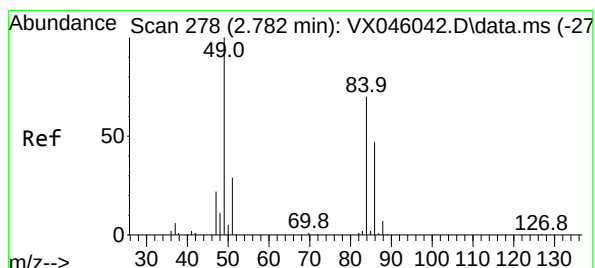
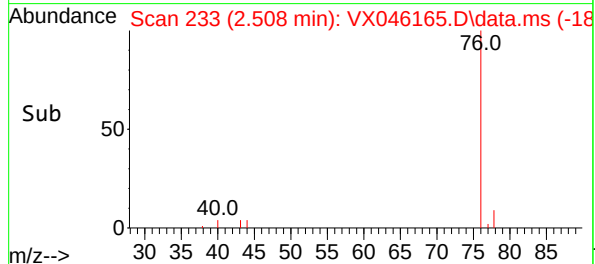
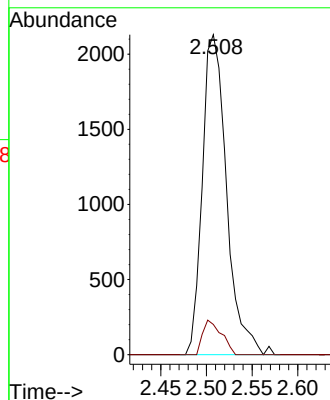
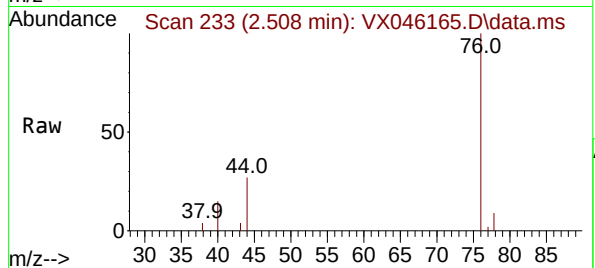
WC-A1-06-G

Tgt Ion: 76 Resp: 3924

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4



#20

Methylene Chloride

Concen: 2.129 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX046165.D

Acq: 13 May 2025 14:48

Tgt Ion: 84 Resp: 2116

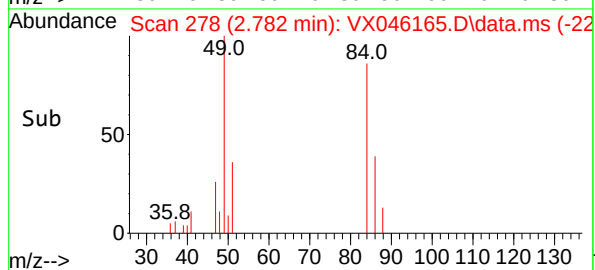
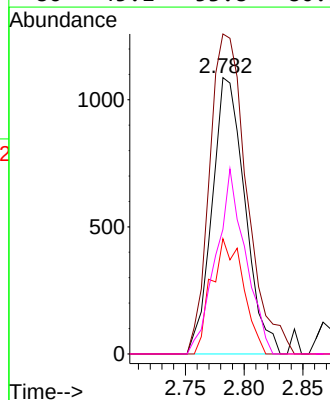
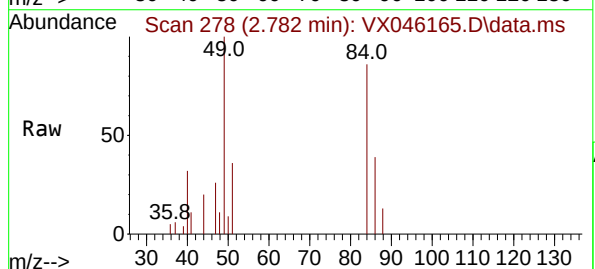
Ion Ratio Lower Upper

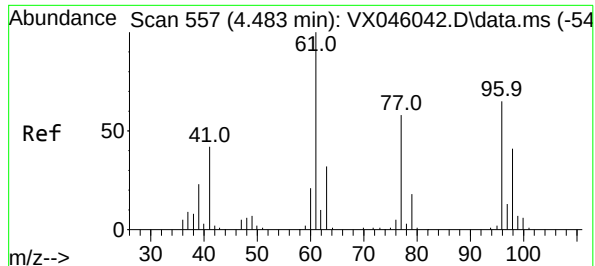
84 100

49 115.8 113.9 170.9

51 41.7 33.5 50.3

86 45.1 53.8 80.8#





#27

cis-1,2-Dichloroethene

Concen: 4.034 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX046165.D

Acq: 13 May 2025 14:48

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-06-G

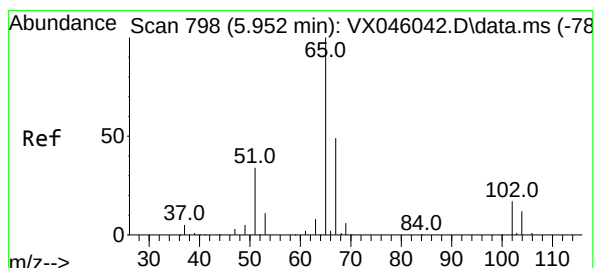
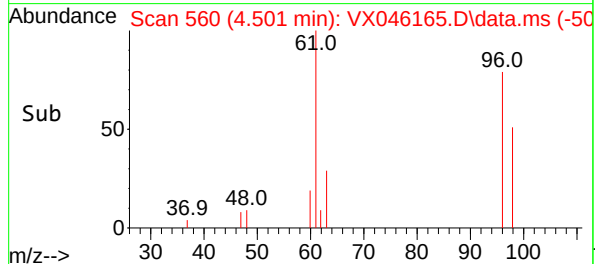
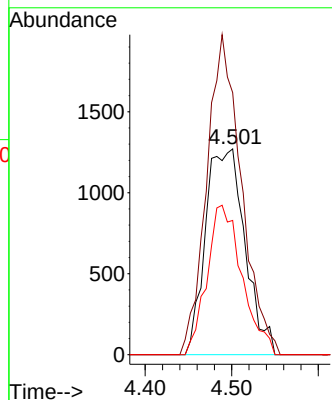
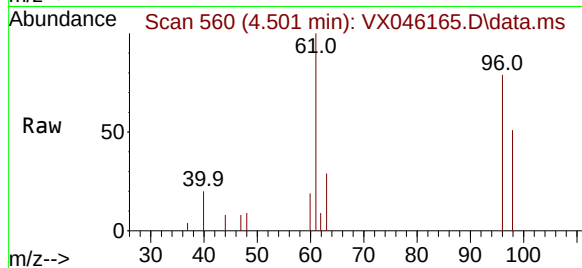
Tgt Ion: 96 Resp: 4018

Ion Ratio Lower Upper

96 100

61 136.7 0.0 322.8

98 64.6 0.0 129.0



#33

1,2-Dichloroethane-d4

Concen: 51.290 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046165.D

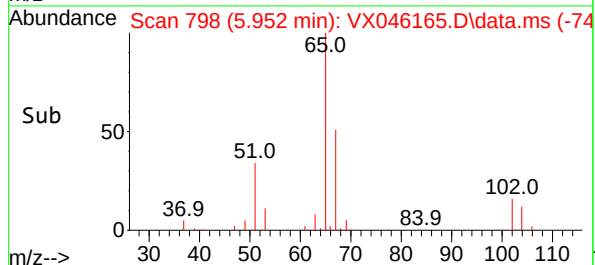
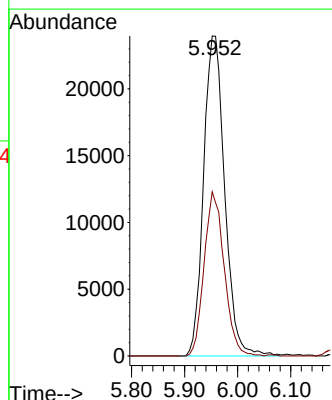
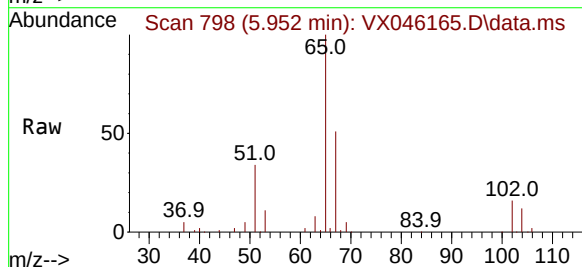
Acq: 13 May 2025 14:48

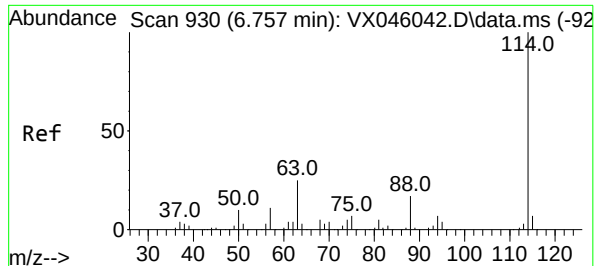
Tgt Ion: 65 Resp: 66347

Ion Ratio Lower Upper

65 100

67 48.7 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046165.D

Acq: 13 May 2025 14:48

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-06-G

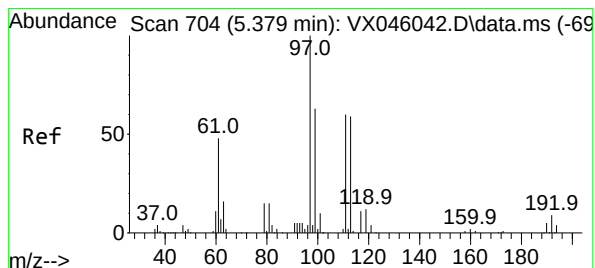
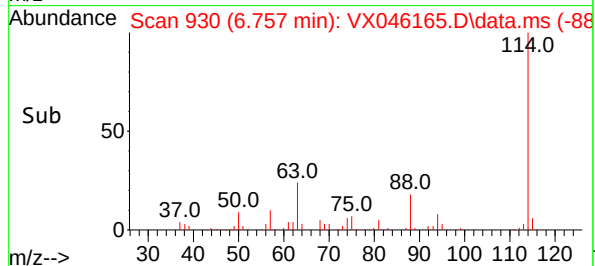
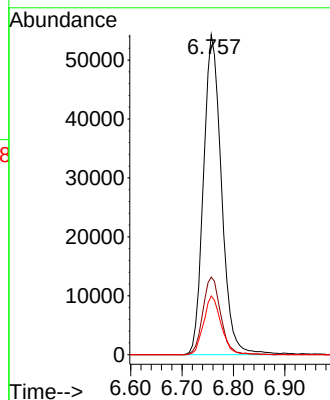
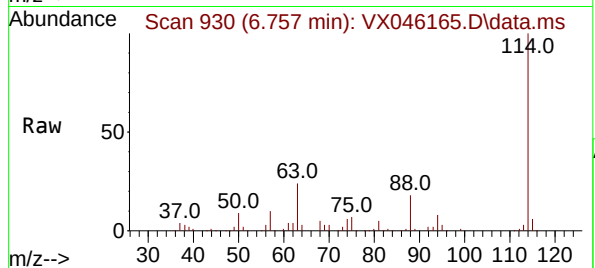
Tgt Ion:114 Resp: 132178

Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

88 18.4 0.0 33.6



#35

Dibromofluoromethane

Concen: 42.268 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX046165.D

Acq: 13 May 2025 14:48

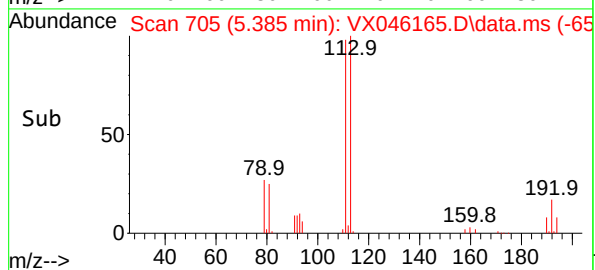
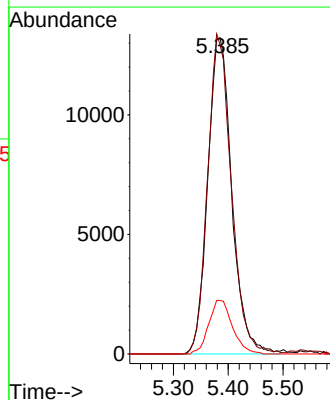
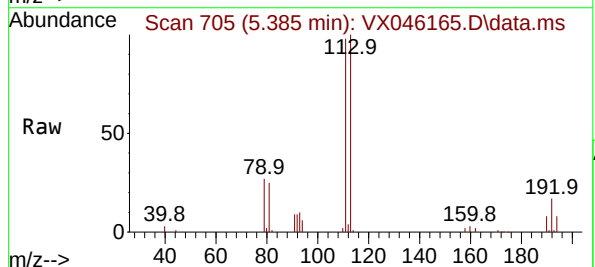
Tgt Ion:113 Resp: 40232

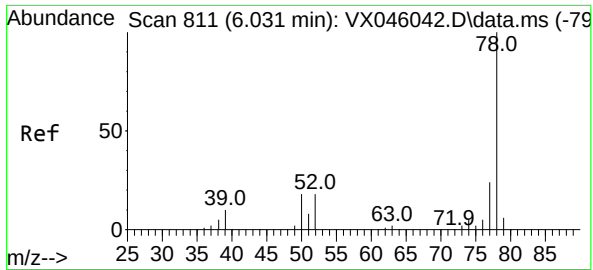
Ion Ratio Lower Upper

113 100

111 99.9 83.1 124.7

192 16.7 13.3 19.9

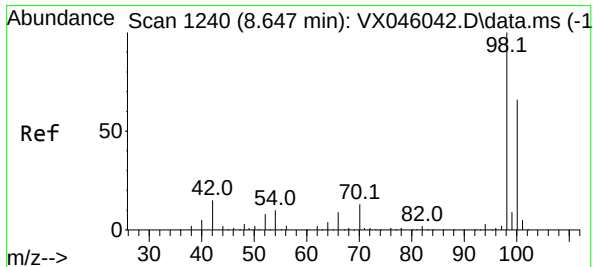
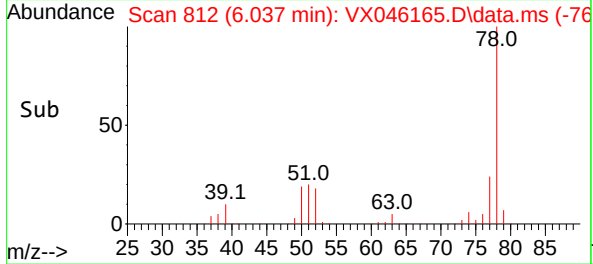
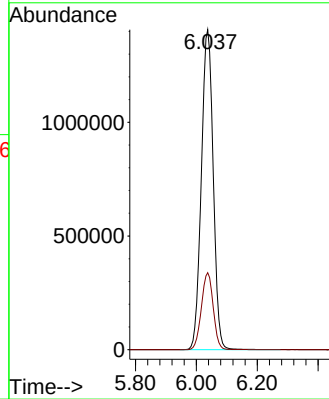
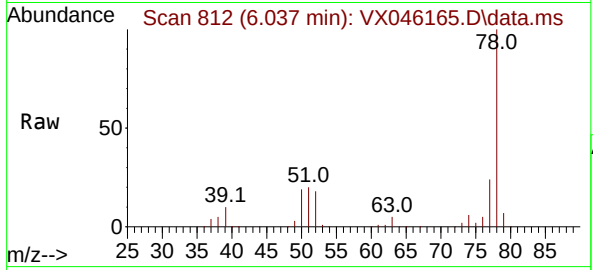




#40
Benzene
Concen: 1016.064 ug/l
RT: 6.037 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

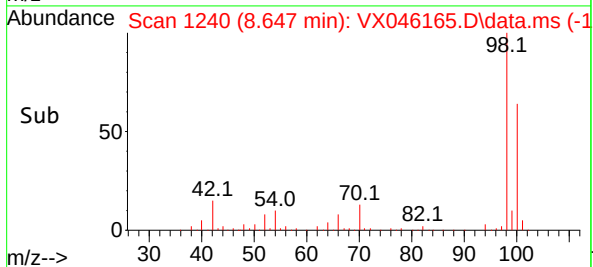
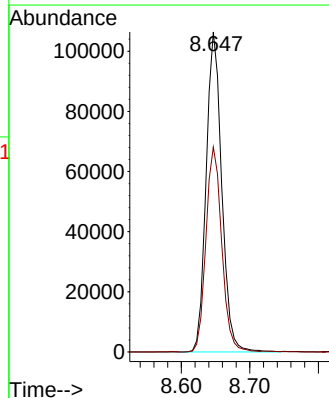
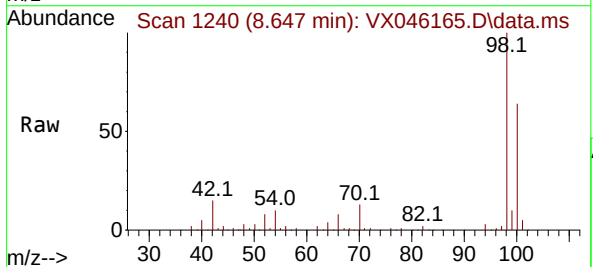
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-G

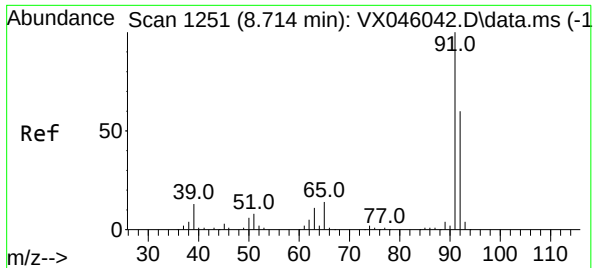
Tgt Ion: 78 Resp: 3806094
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4



#50
Toluene-d8
Concen: 51.114 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

Tgt Ion: 98 Resp: 168390
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3

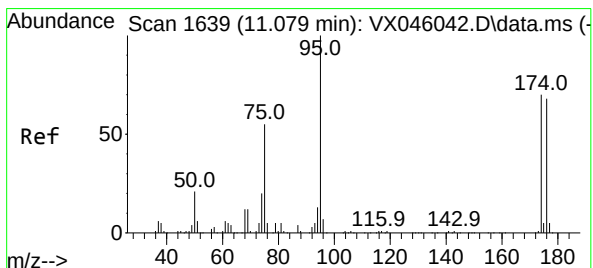
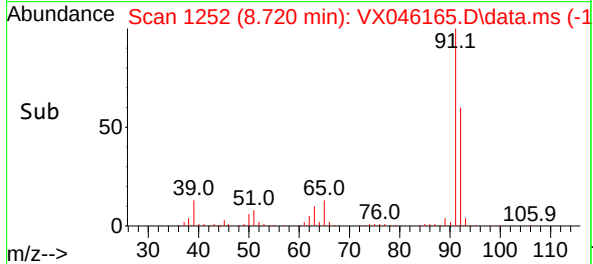
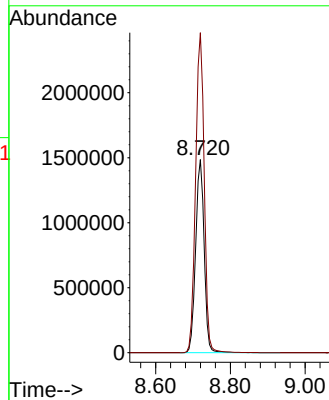
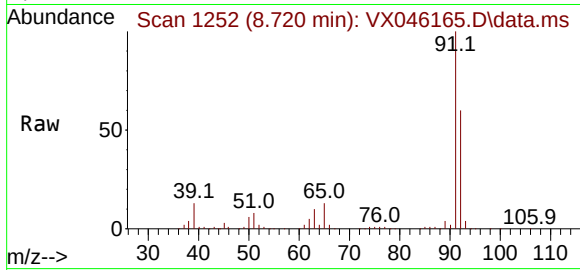




#52
Toluene
Concen: 1020.567 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

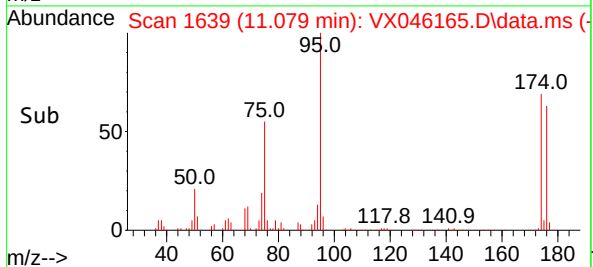
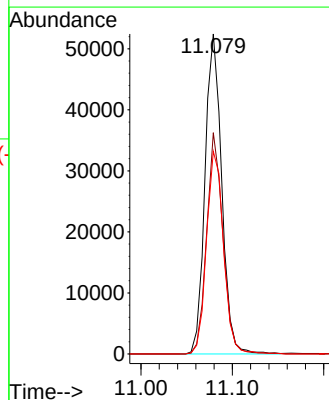
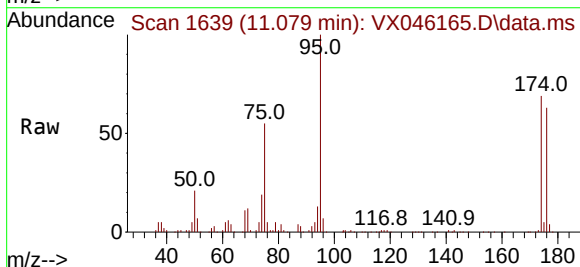
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-G

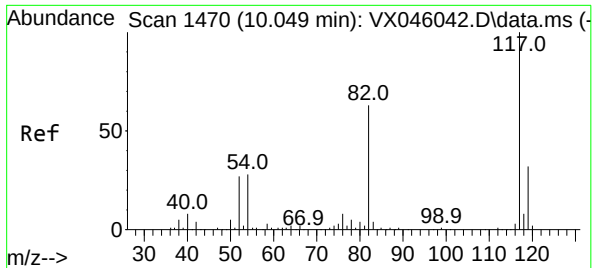
Tgt Ion: 92 Resp: 2344174
Ion Ratio Lower Upper
92 100
91 167.9 136.6 205.0



#62
4-Bromofluorobenzene
Concen: 52.494 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

Tgt Ion: 95 Resp: 66336
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.8
176 64.6 0.0 131.4

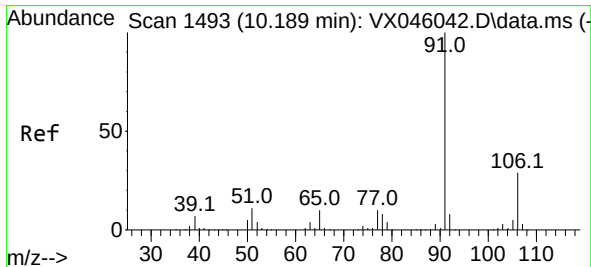
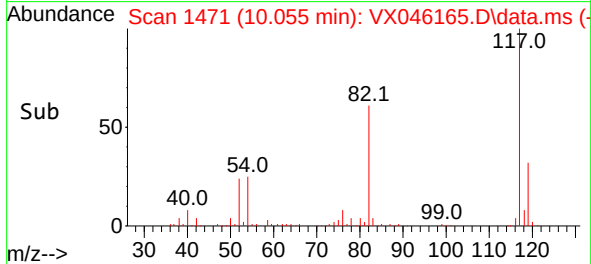
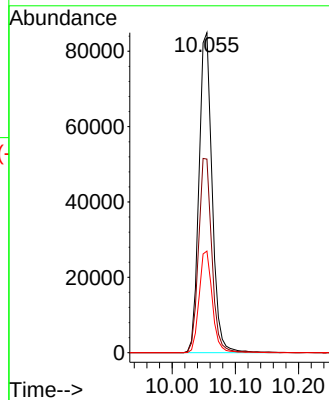
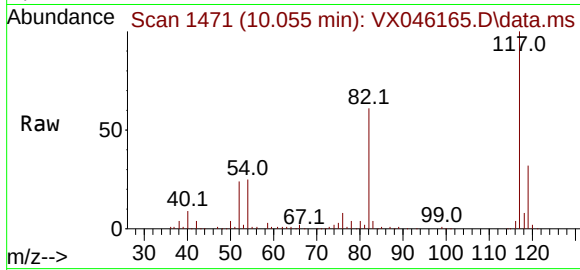




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

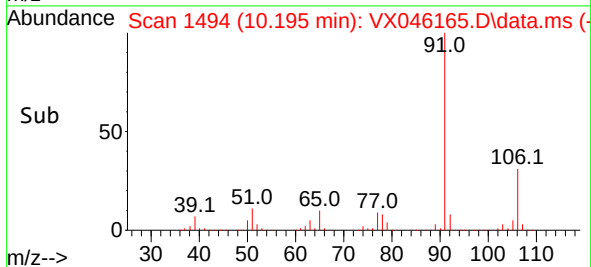
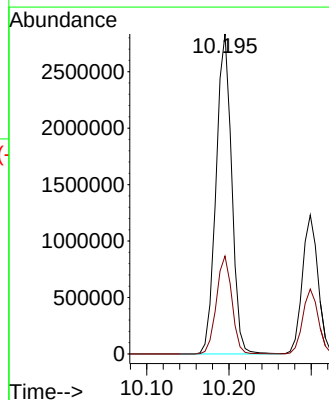
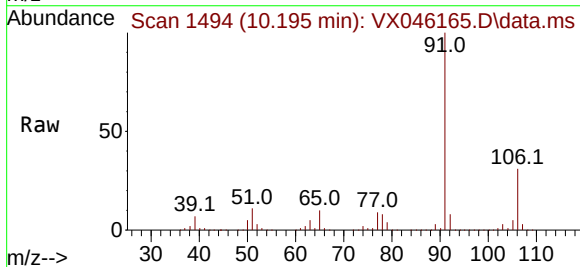
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-G

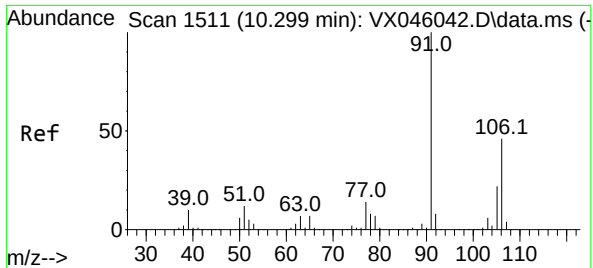
Tgt Ion:117 Resp: 122795
Ion Ratio Lower Upper
117 100
82 60.5 50.6 76.0
119 31.8 25.8 38.6



#67
Ethyl Benzene
Concen: 787.219 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

Tgt Ion: 91 Resp: 3729573
Ion Ratio Lower Upper
91 100
106 30.6 23.4 35.2

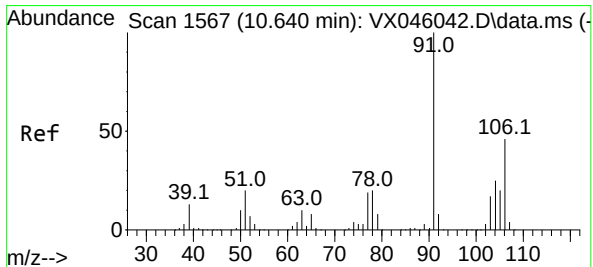
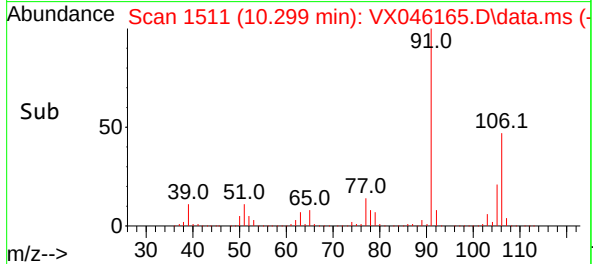
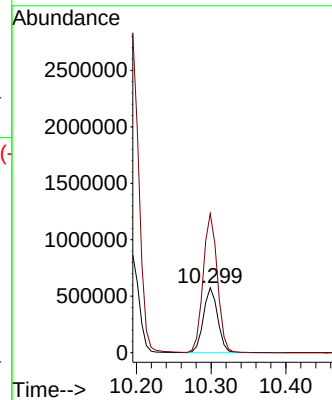
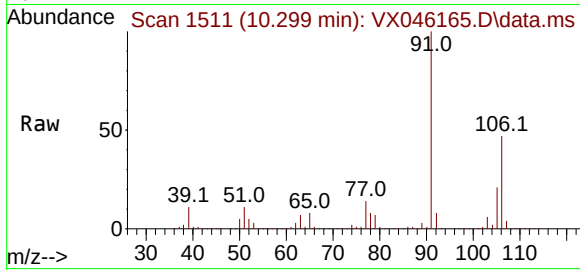




#68
m/p-Xylenes
Concen: 437.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

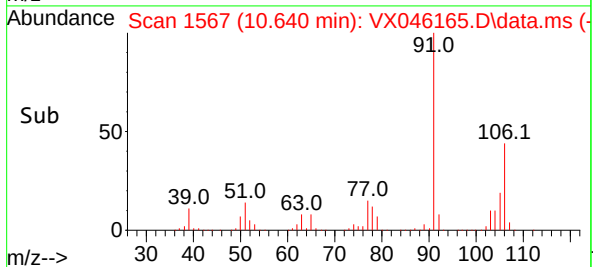
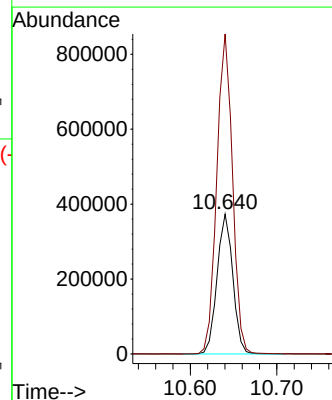
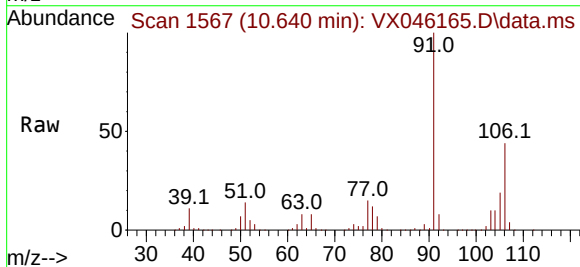
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-G

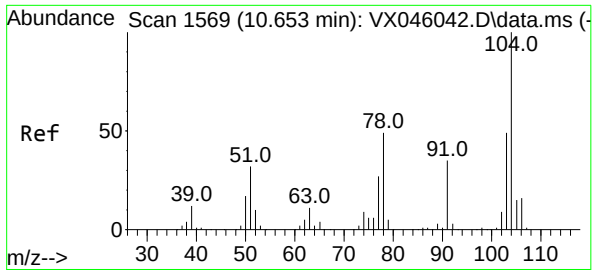
Tgt Ion:106 Resp: 758271
Ion Ratio Lower Upper
106 100
91 215.4 171.2 256.8



#69
o-Xylene
Concen: 278.847 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

Tgt Ion:106 Resp: 471049
Ion Ratio Lower Upper
106 100
91 229.1 112.7 338.1

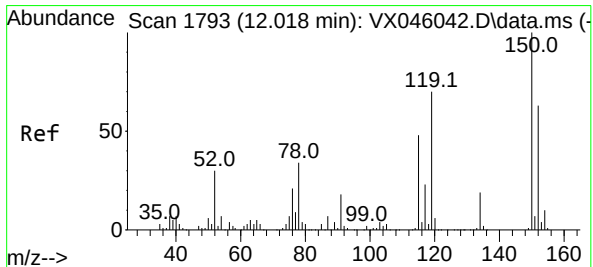
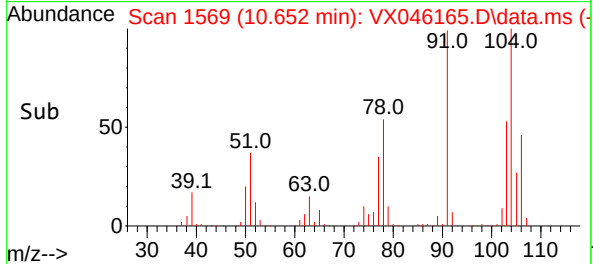
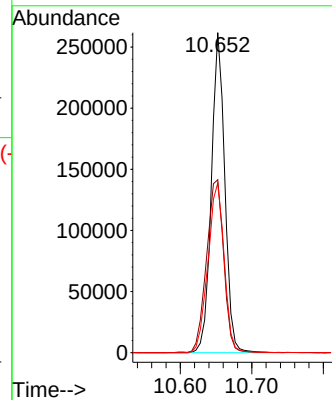
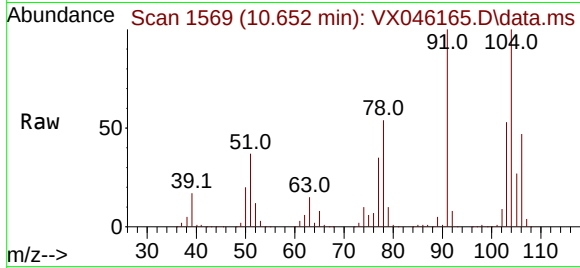




#70
Styrene
Concen: 123.316 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

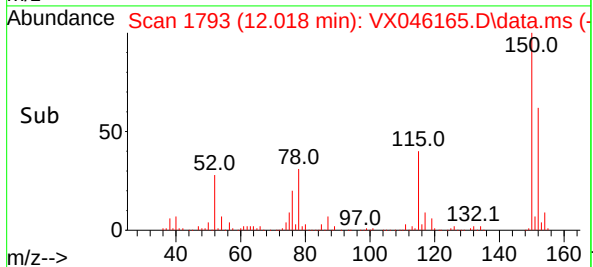
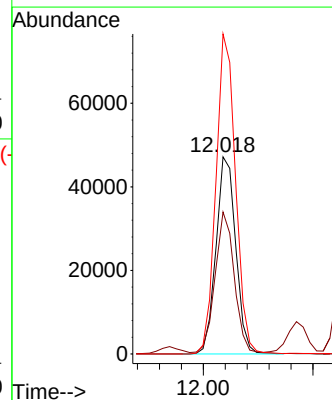
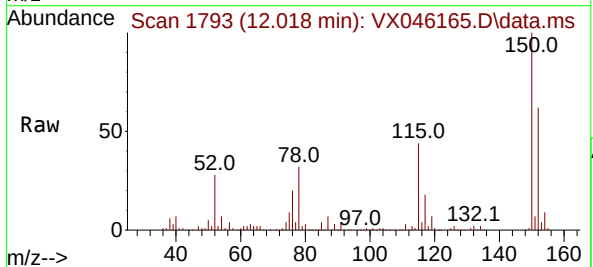
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-G

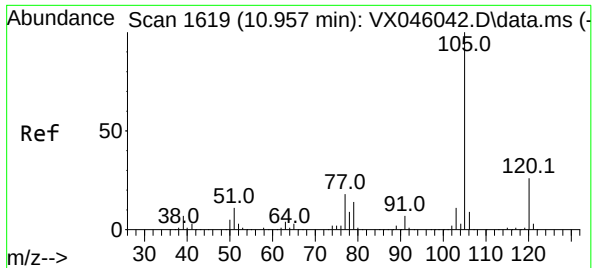
Tgt Ion:104 Resp: 341245
Ion Ratio Lower Upper
104 100
78 69.2 45.7 68.5#
103 64.2 43.7 65.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

Tgt Ion:152 Resp: 59221
Ion Ratio Lower Upper
152 100
115 68.1 46.9 140.7
150 160.2 0.0 351.0

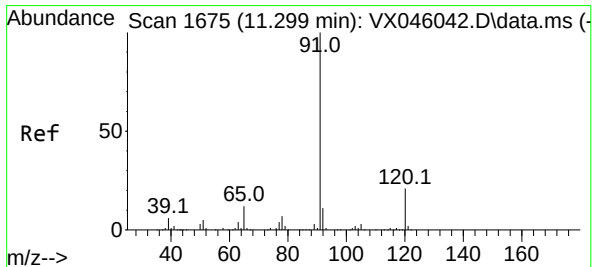
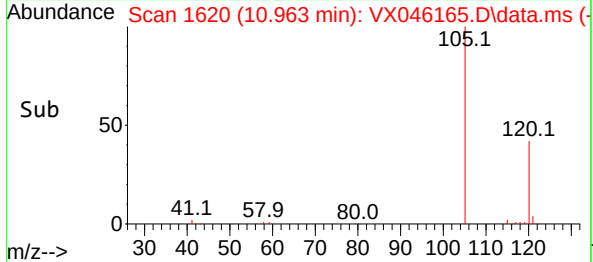
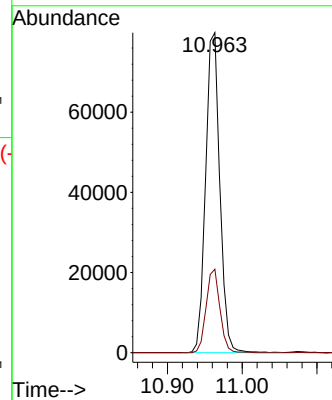
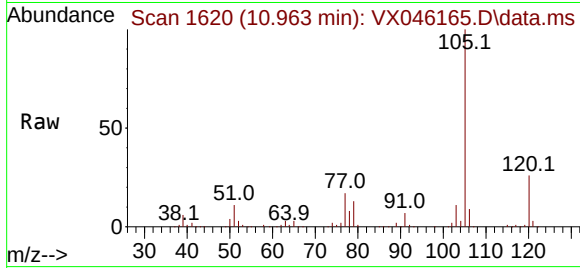




#73
Isopropylbenzene
Concen: 22.878 ug/l
RT: 10.963 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

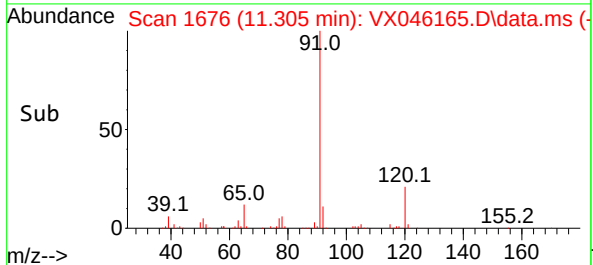
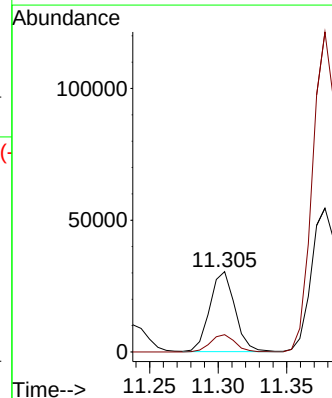
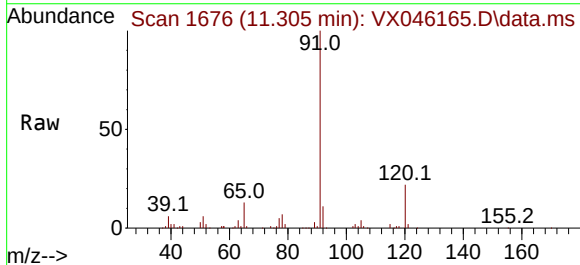
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-G

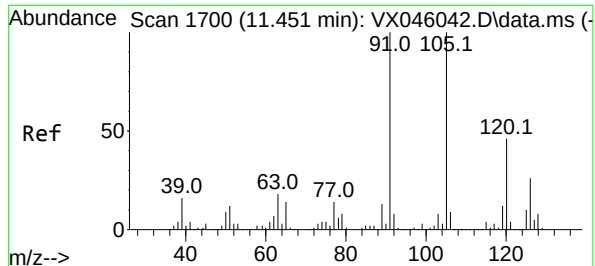
Tgt Ion:105 Resp: 105478
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.4



#78
n-propylbenzene
Concen: 7.238 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046165.D
Acq: 13 May 2025 14:48

Tgt Ion: 91 Resp: 38801
Ion Ratio Lower Upper
91 100
120 21.3 10.8 32.4





#80

1,3,5-Trimethylbenzene

Concen: 33.894 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046165.D

Acq: 13 May 2025 14:48

Instrument :

MSVOA_X

ClientSampleId :

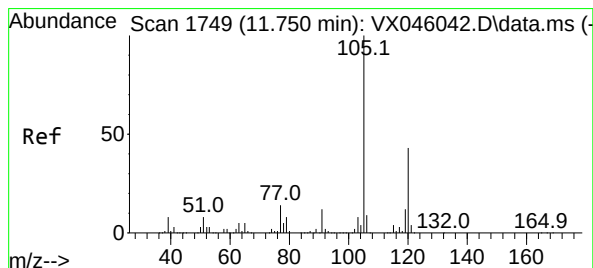
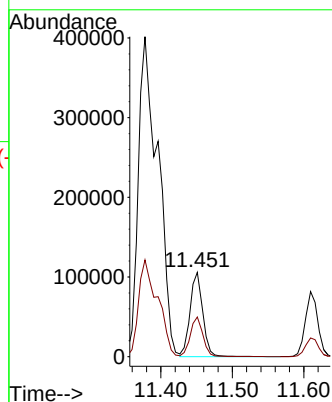
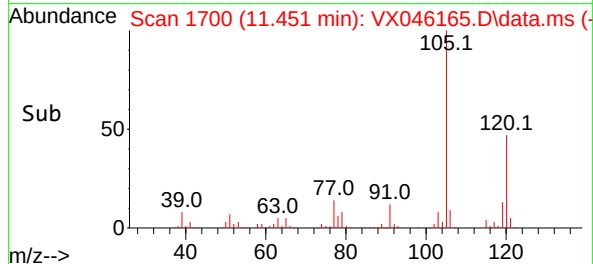
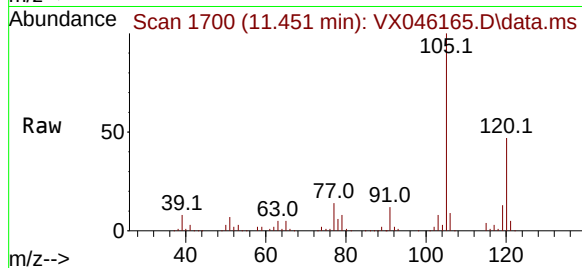
WC-A1-06-G

Tgt Ion:105 Resp: 130552

Ion Ratio Lower Upper

105 100

120 46.6 23.1 69.2



#84

1,2,4-Trimethylbenzene

Concen: 121.409 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046165.D

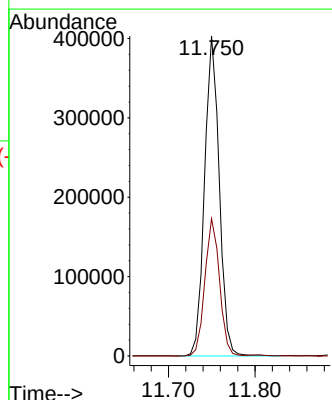
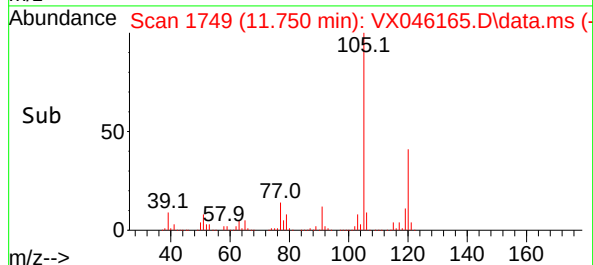
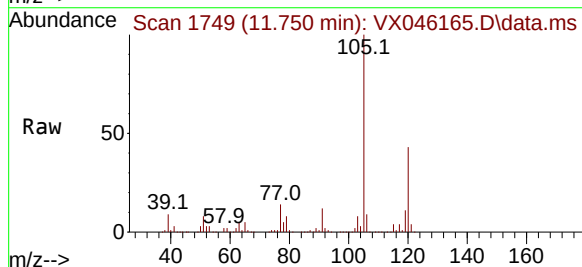
Acq: 13 May 2025 14:48

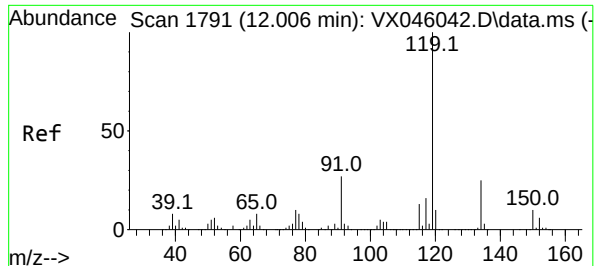
Tgt Ion:105 Resp: 473572

Ion Ratio Lower Upper

105 100

120 42.9 21.2 63.6





#86

p-Isopropyltoluene

Concen: 3.265 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX046165.D

Acq: 13 May 2025 14:48

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-06-G

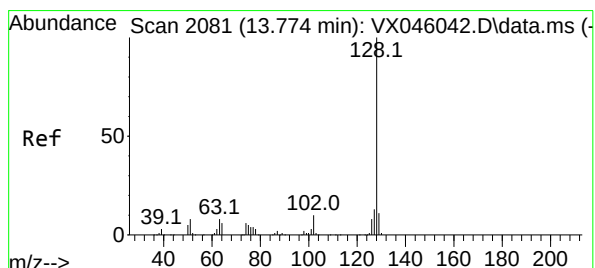
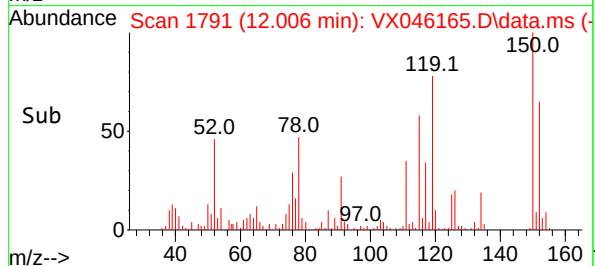
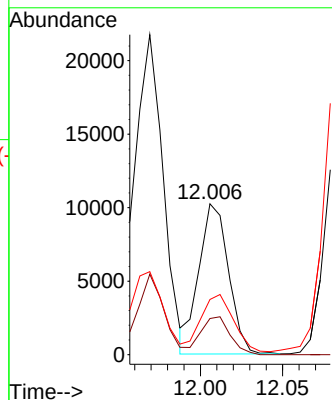
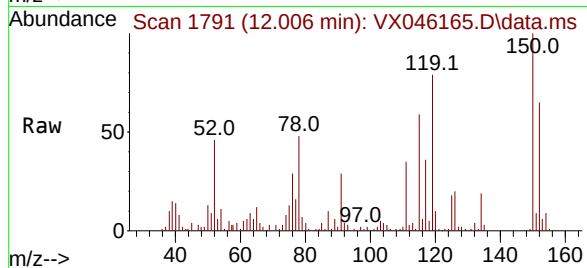
Tgt Ion:119 Resp: 12837

Ion Ratio Lower Upper

119 100

134 24.1 12.5 37.5

91 0.0 13.8 41.4#



#95

Naphthalene

Concen: 4481.511 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX046165.D

Acq: 13 May 2025 14:48

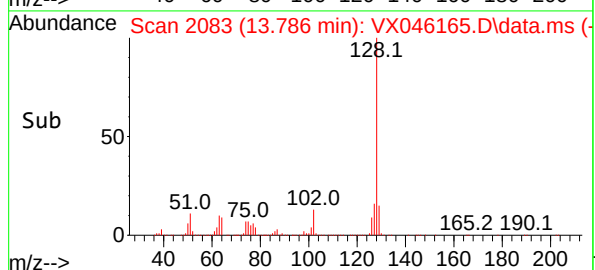
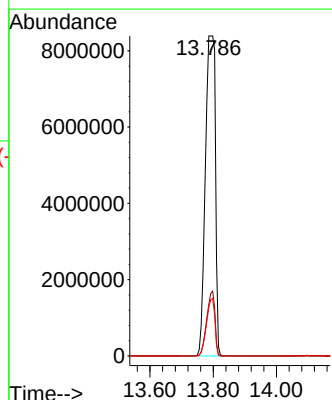
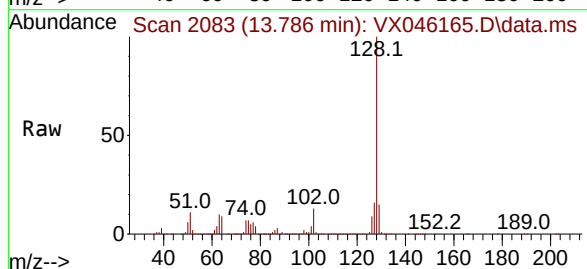
Tgt Ion:128 Resp:18506550

Ion Ratio Lower Upper

128 100

127 16.6 10.4 15.6#

129 14.9 8.6 13.0#



Report of Analysis

Client:	ENTACT	Date Collected:	05/08/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/09/25
Client Sample ID:	WC-A1-06-GDL	SDG No.:	Q2001
Lab Sample ID:	Q2001-09DL	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046191.D	20		05/14/25 13:59	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5.20	UD	5.20	100	ug/L
75-35-4	1,1-Dichloroethene	4.60	UD	4.60	100	ug/L
78-93-3	2-Butanone	19.6	UD	19.6	500	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	5.00	100	ug/L
67-66-3	Chloroform	5.00	UD	5.00	100	ug/L
71-43-2	Benzene	1100	D	3.00	100	ug/L
107-06-2	1,2-Dichloroethane	4.40	UD	4.40	100	ug/L
79-01-6	Trichloroethene	1.90	UD	1.90	100	ug/L
127-18-4	Tetrachloroethene	4.60	UD	4.60	100	ug/L
108-90-7	Chlorobenzene	2.40	UD	2.40	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63300	5.55			
540-36-3	1,4-Difluorobenzene	128000	6.757			
3114-55-4	Chlorobenzene-d5	122000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	54200	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046191.D
 Acq On : 14 May 2025 13:59
 Operator : JC/MD
 Sample : Q2001-09DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A1-06-GDL

Quant Time: May 15 01:22:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

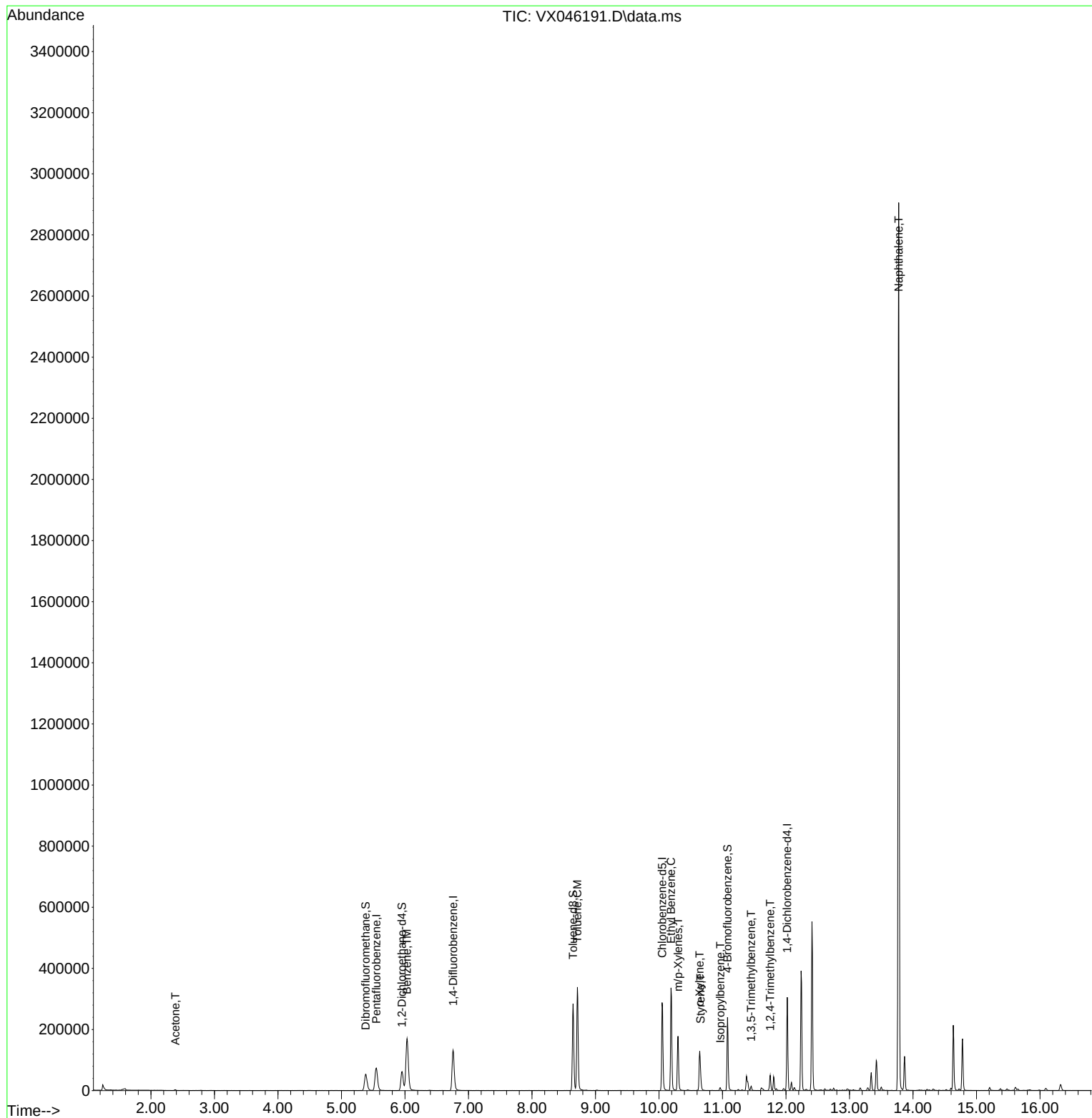
Internal Standards						
1) Pentafluorobenzene	5.550	168	63265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62435	52.935	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.880%	
35) Dibromofluoromethane	5.379	113	46167	50.190	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.380%	
50) Toluene-d8	8.647	98	158190	49.687	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.380%	
62) 4-Bromofluorobenzene	11.079	95	63011	51.596	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.200%	
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	2902	6.136	ug/l	93
40) Benzene	6.031	78	197487	54.553	ug/l	97
52) Toluene	8.714	92	122622	55.241	ug/l	100
67) Ethyl Benzene	10.189	91	191996	40.869	ug/l	100
68) m/p-Xylenes	10.299	106	39363	22.909	ug/l	99
69) o-Xylene	10.640	106	24025	14.343	ug/l	95
70) Styrene	10.653	104	16031	5.842	ug/l #	82
73) Isopropylbenzene	10.964	105	4772	1.131	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	6144	1.742	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	21051	5.895	ug/l	98
95) Naphthalene	13.774	128	1649398	436.320	ug/l	99

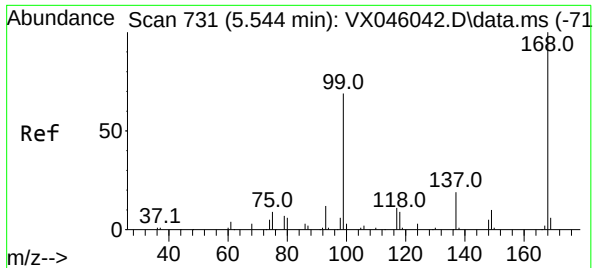
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046191.D
Acq On : 14 May 2025 13:59
Operator : JC/MD
Sample : Q2001-09DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

Quant Time: May 15 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

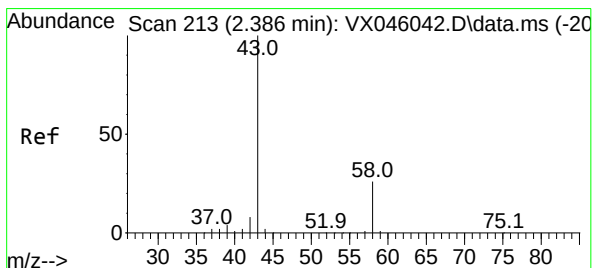
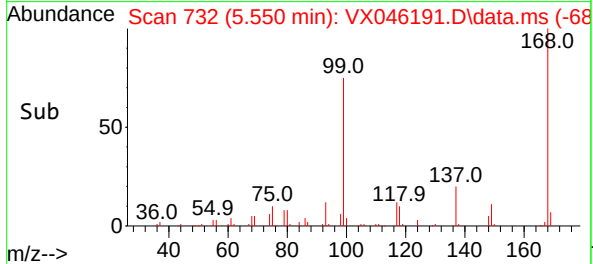
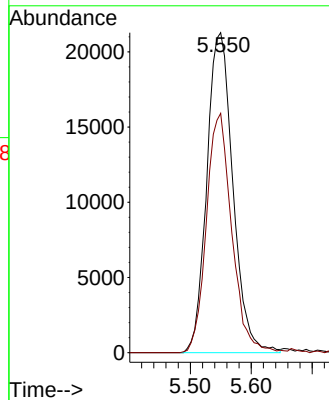
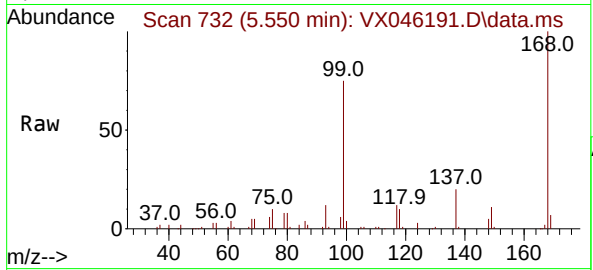




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

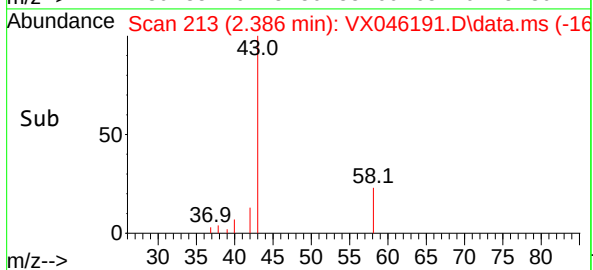
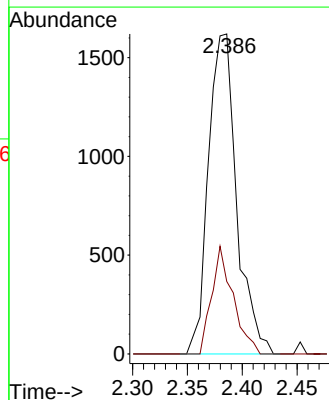
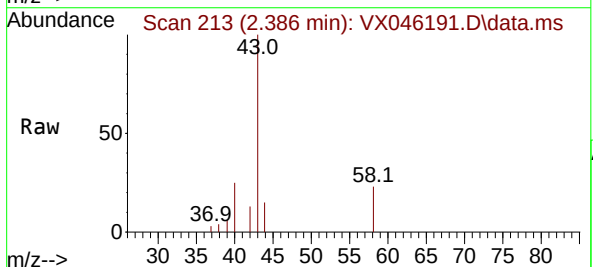
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

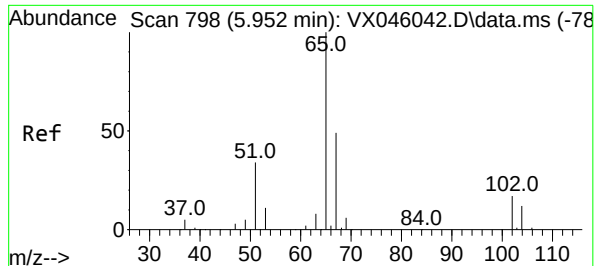
Tgt Ion:168 Resp: 63265
Ion Ratio Lower Upper
168 100
99 74.8 54.9 82.3



#16
Acetone
Concen: 6.136 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion: 43 Resp: 2902
Ion Ratio Lower Upper
43 100
58 22.7 21.2 31.8





#33

1,2-Dichloroethane-d4

Concen: 52.935 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

Instrument :

MSVOA_X

ClientSampleId :

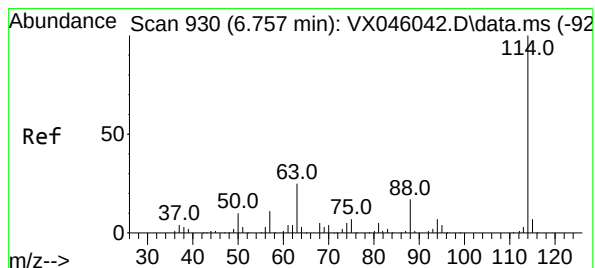
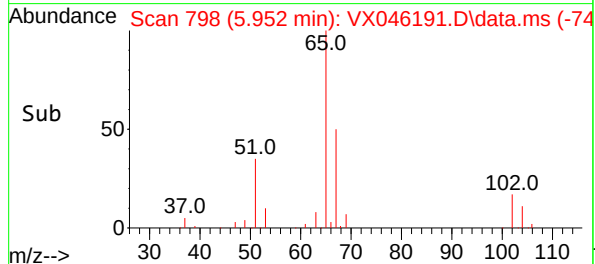
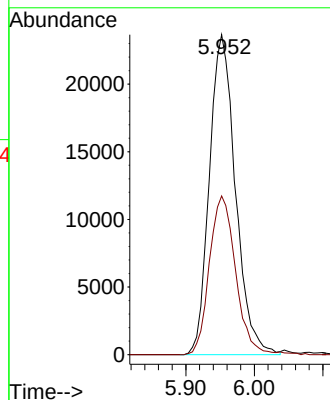
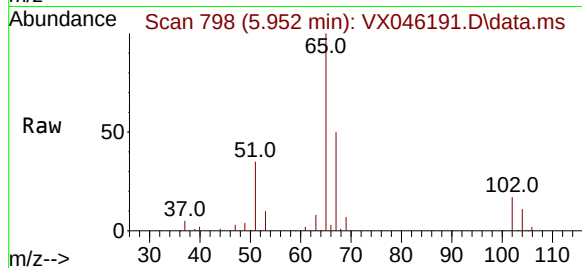
WC-A1-06-GDL

Tgt Ion: 65 Resp: 62435

Ion Ratio Lower Upper

65 100

67 50.1 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

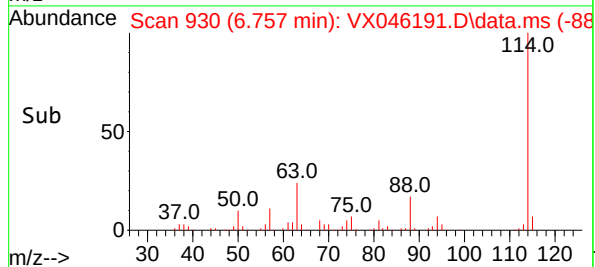
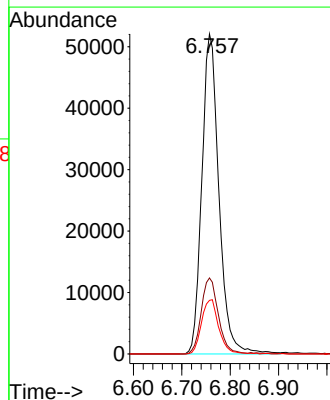
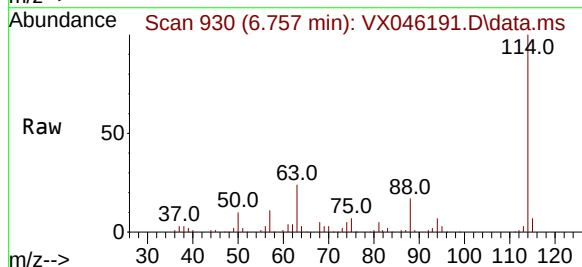
Tgt Ion: 114 Resp: 127738

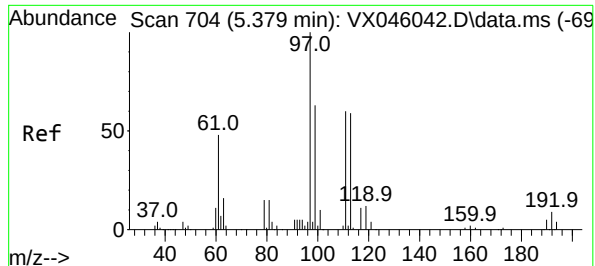
Ion Ratio Lower Upper

114 100

63 23.7 0.0 49.2

88 16.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.190 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046191.D

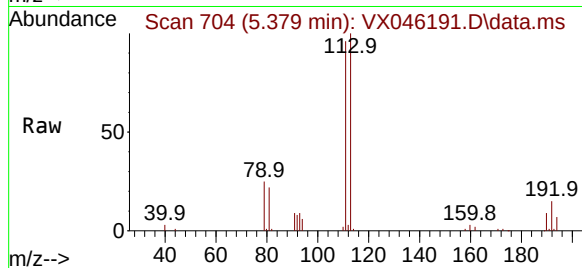
Acq: 14 May 2025 13:59

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-06-GDL



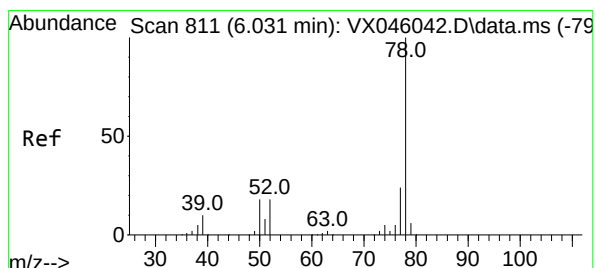
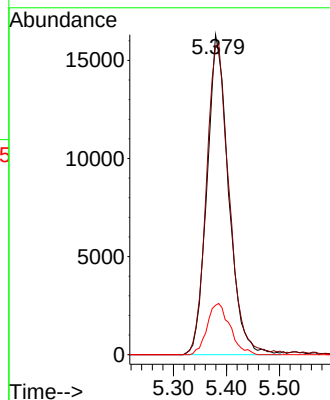
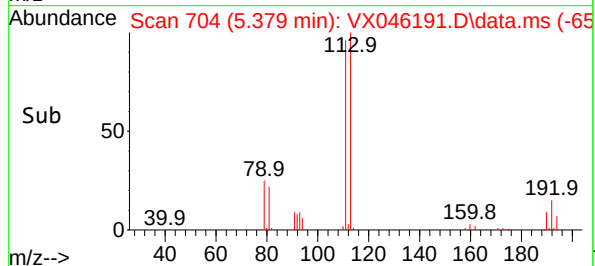
Tgt Ion:113 Resp: 46167

Ion Ratio Lower Upper

113 100

111 102.1 83.1 124.7

192 16.9 13.3 19.9



#40

Benzene

Concen: 54.553 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX046191.D

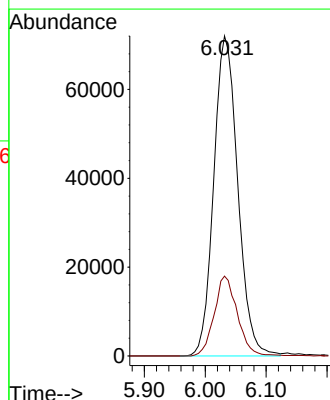
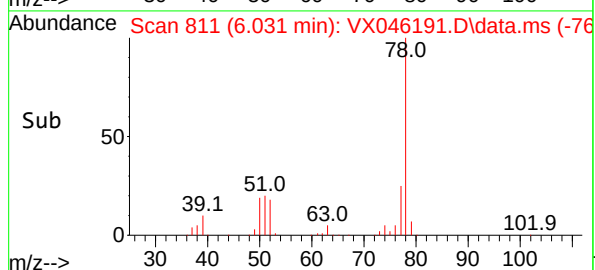
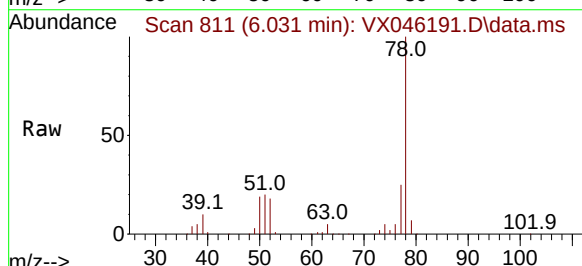
Acq: 14 May 2025 13:59

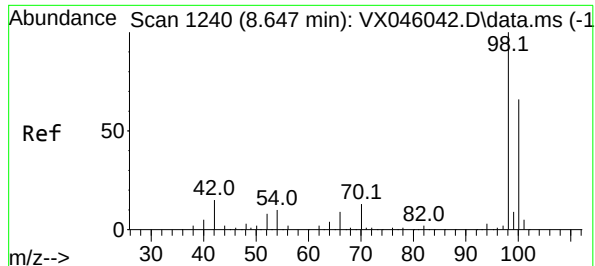
Tgt Ion: 78 Resp: 197487

Ion Ratio Lower Upper

78 100

77 25.0 19.0 28.4





#50

Toluene-d8

Concen: 49.687 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

Instrument :

MSVOA_X

ClientSampleId :

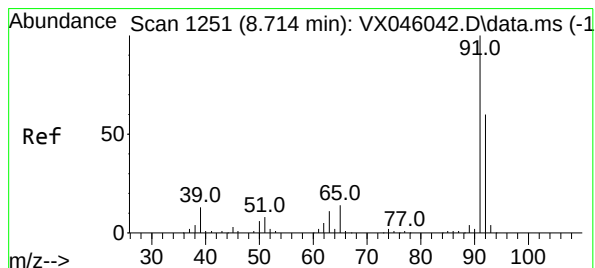
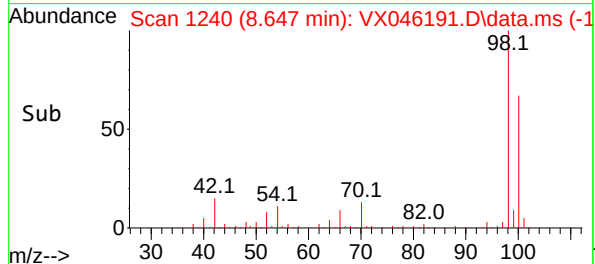
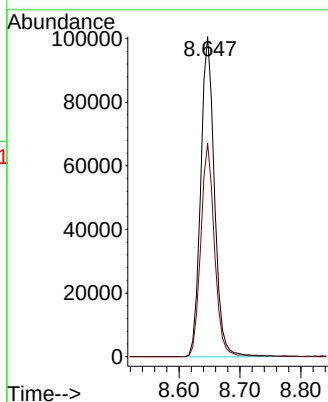
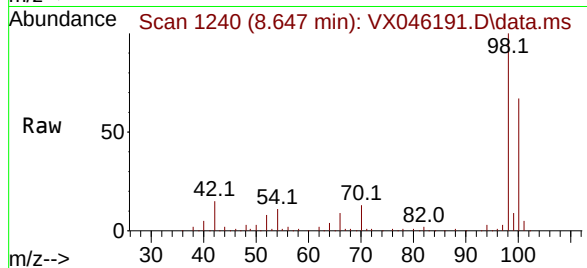
WC-A1-06-GDL

Tgt Ion: 98 Resp: 158190

Ion Ratio Lower Upper

98 100

100 66.5 53.5 80.3



#52

Toluene

Concen: 55.241 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX046191.D

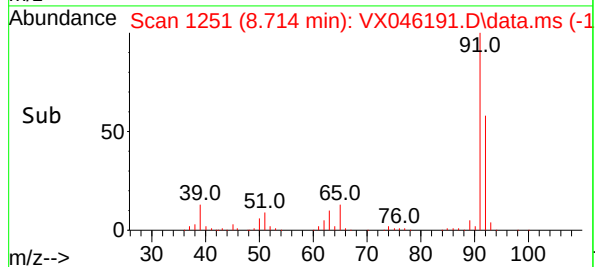
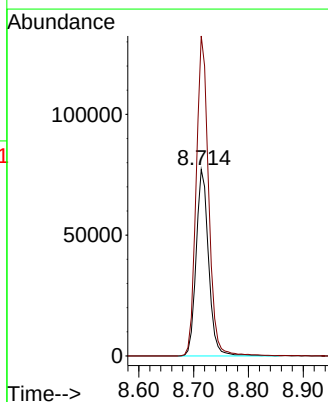
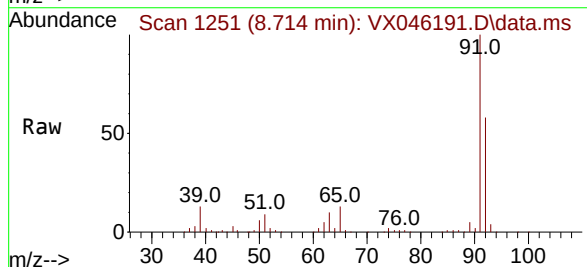
Acq: 14 May 2025 13:59

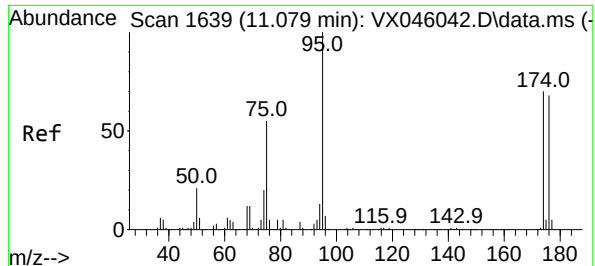
Tgt Ion: 92 Resp: 122622

Ion Ratio Lower Upper

92 100

91 170.9 136.6 205.0

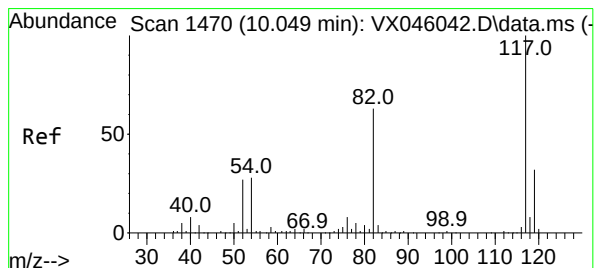
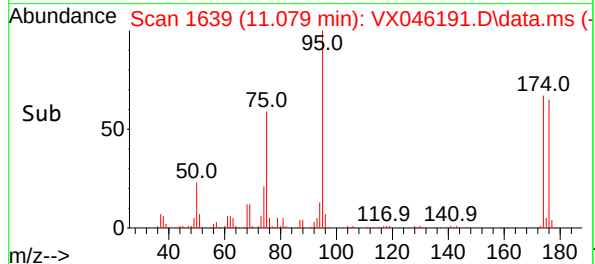
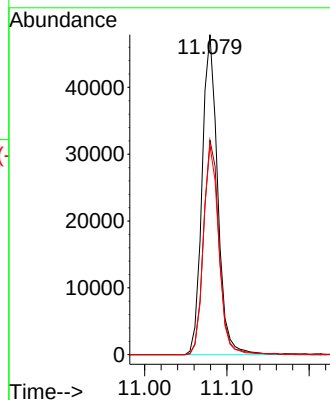
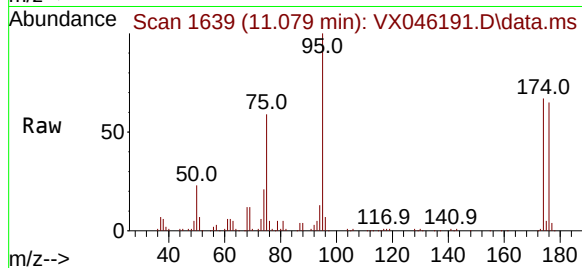




#62
4-Bromofluorobenzene
Concen: 51.596 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

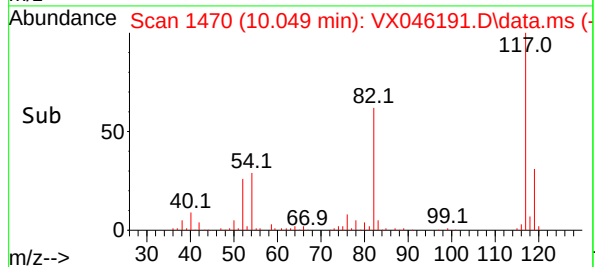
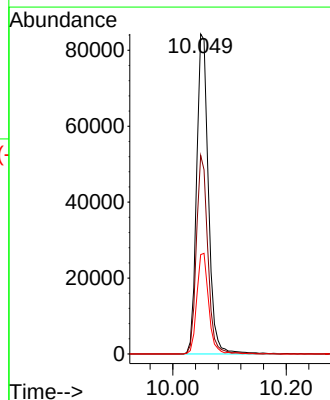
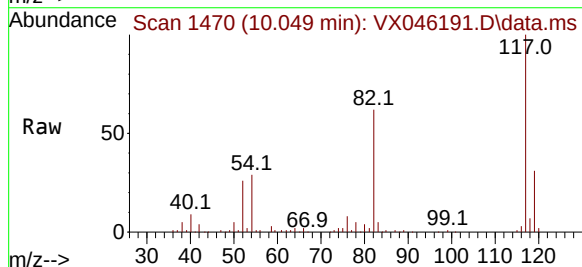
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

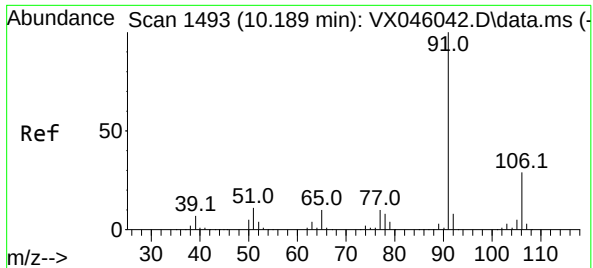
Tgt Ion: 95 Resp: 63011
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.8
176 64.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion: 117 Resp: 121763
Ion Ratio Lower Upper
117 100
82 62.1 50.6 76.0
119 31.0 25.8 38.6





#67

Ethyl Benzene

Concen: 40.869 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

Instrument :

MSVOA_X

ClientSampleId :

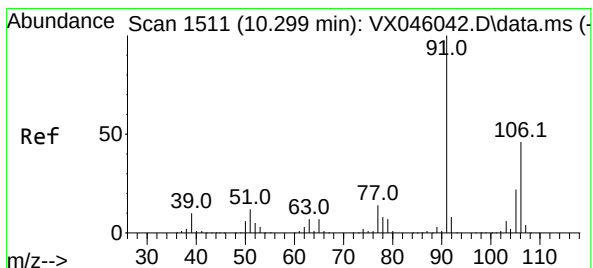
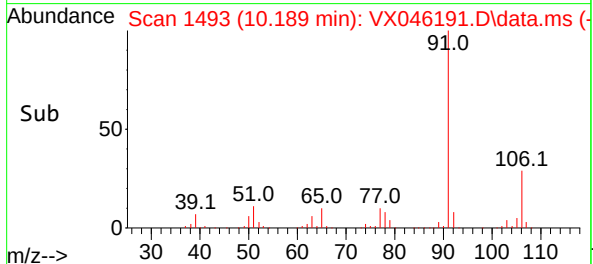
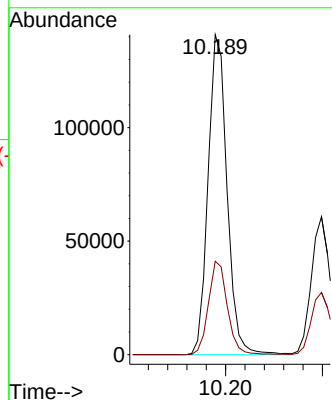
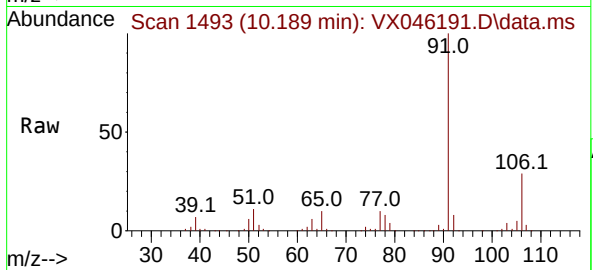
WC-A1-06-GDL

Tgt Ion: 91 Resp: 191996

Ion Ratio Lower Upper

91 100

106 29.2 23.4 35.2



#68

m/p-Xylenes

Concen: 22.909 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX046191.D

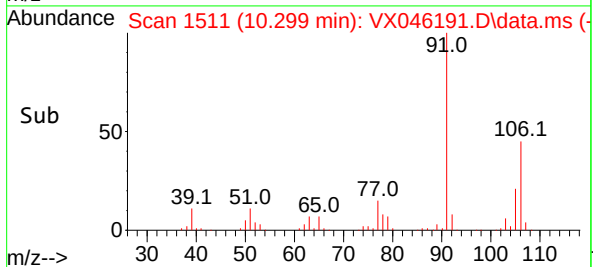
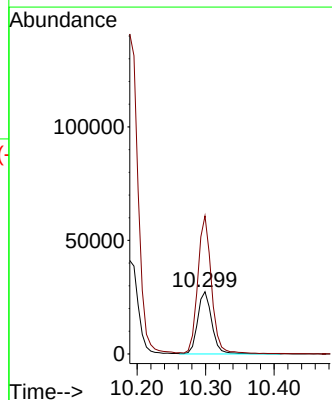
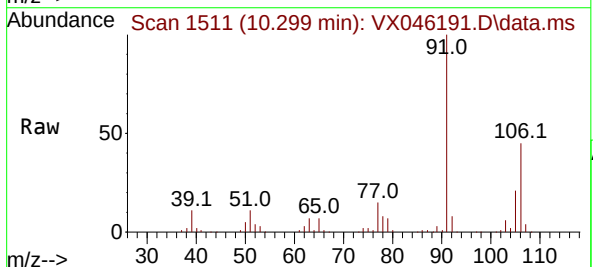
Acq: 14 May 2025 13:59

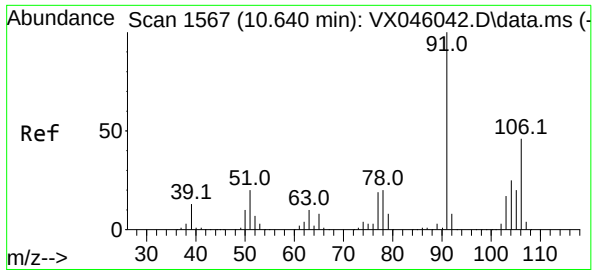
Tgt Ion:106 Resp: 39363

Ion Ratio Lower Upper

106 100

91 213.1 171.2 256.8

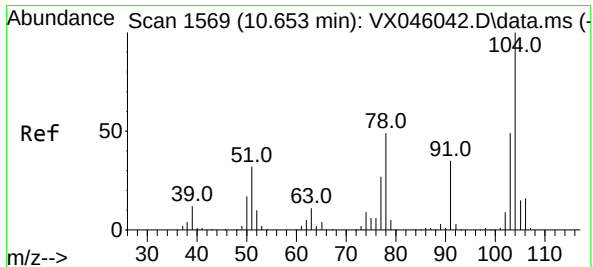
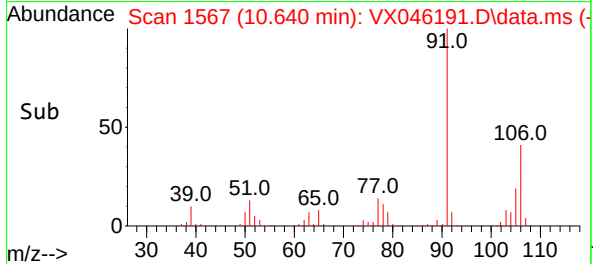
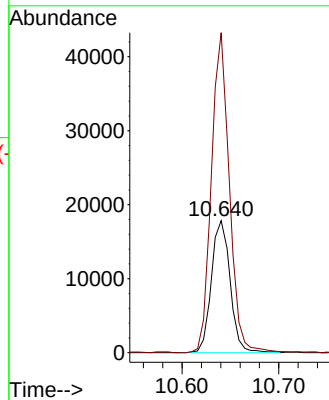
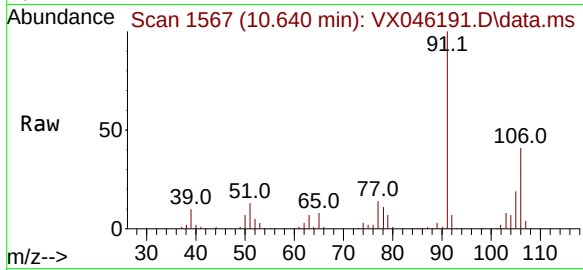




#69
o-Xylene
Concen: 14.343 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

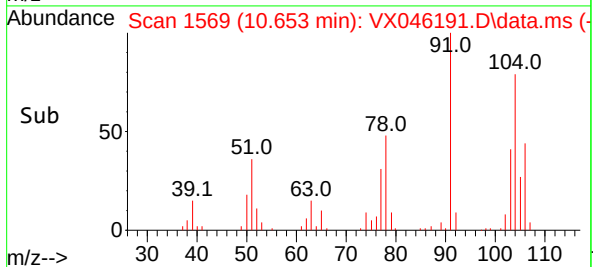
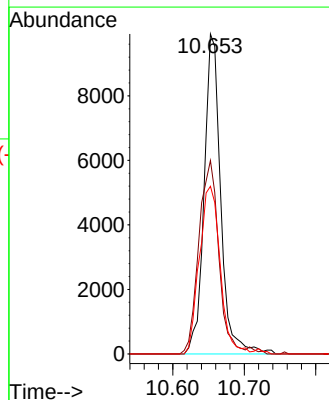
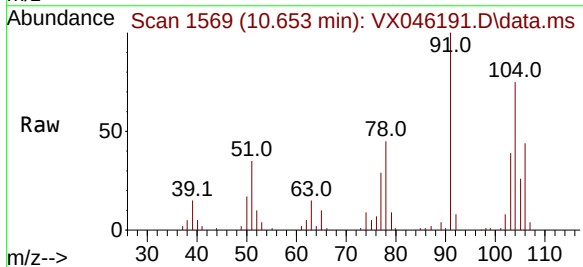
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

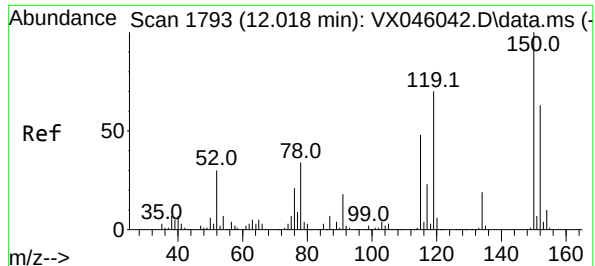
Tgt Ion:106 Resp: 24025
Ion Ratio Lower Upper
106 100
91 233.2 112.7 338.1



#70
Styrene
Concen: 5.842 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion:104 Resp: 16031
Ion Ratio Lower Upper
104 100
78 72.2 45.7 68.5#
103 65.5 43.7 65.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-06-GDL

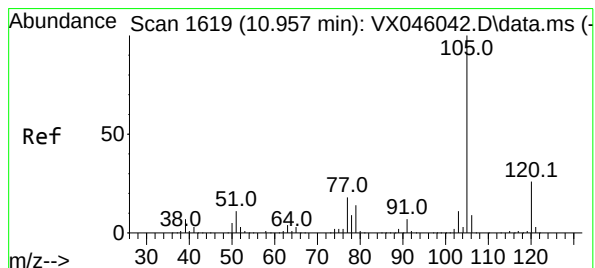
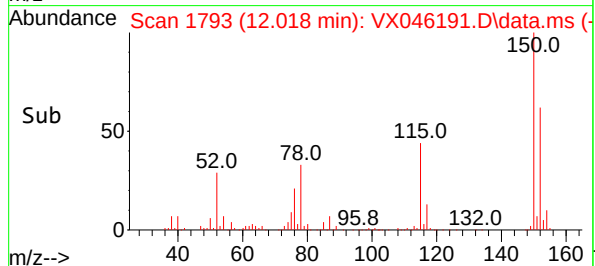
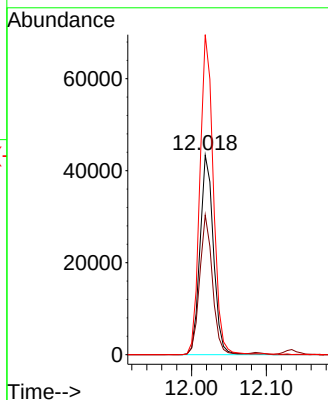
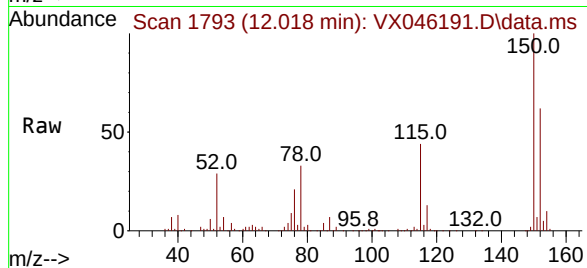
Tgt Ion:152 Resp: 54212

Ion Ratio Lower Upper

152 100

115 66.8 46.9 140.7

150 159.6 0.0 351.0



#73

Isopropylbenzene

Concen: 1.131 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX046191.D

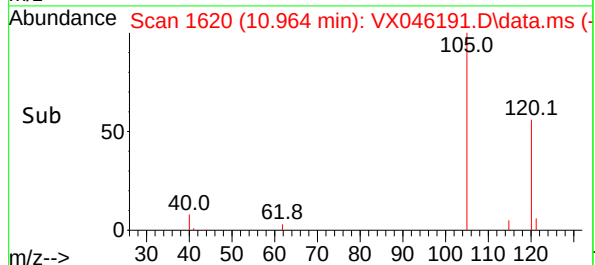
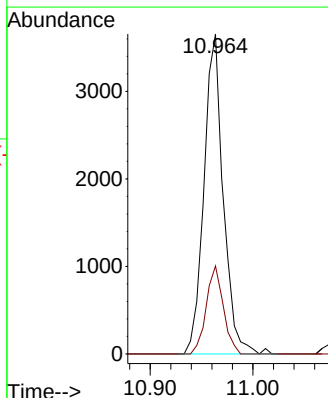
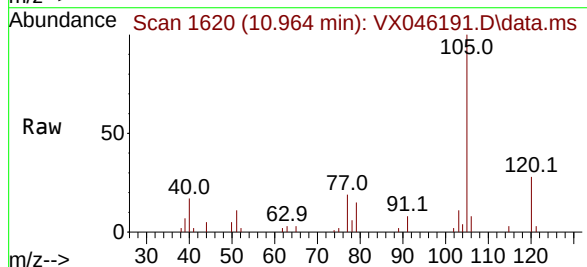
Acq: 14 May 2025 13:59

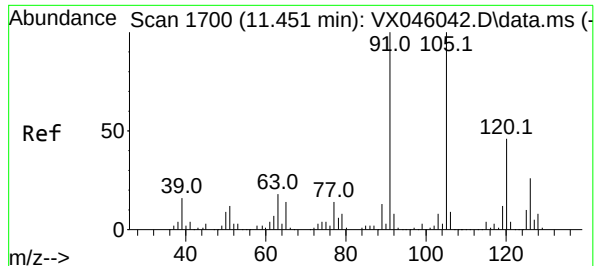
Tgt Ion:105 Resp: 4772

Ion Ratio Lower Upper

105 100

120 24.3 12.8 38.4





#80

1,3,5-Trimethylbenzene

Concen: 1.742 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

Instrument :

MSVOA_X

ClientSampleId :

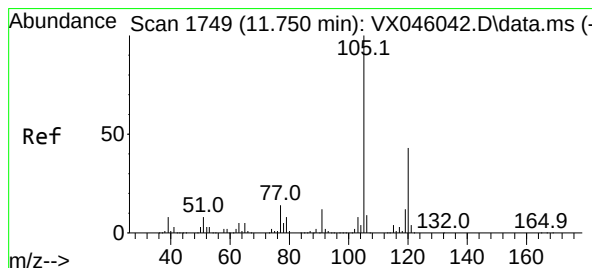
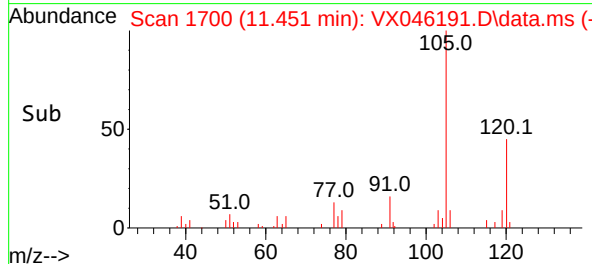
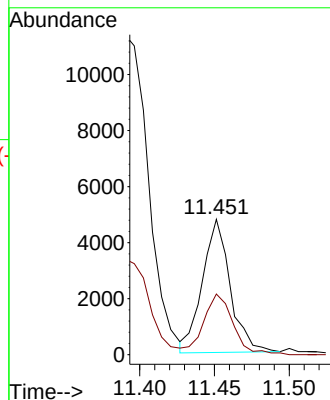
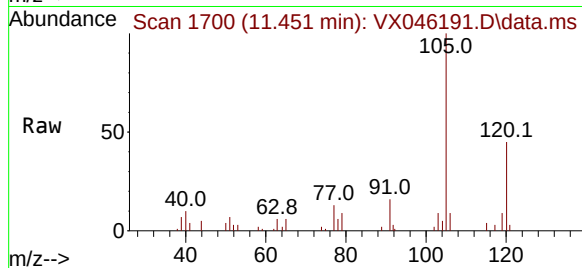
WC-A1-06-GDL

Tgt Ion:105 Resp: 6144

Ion Ratio Lower Upper

105 100

120 48.5 23.1 69.2



#84

1,2,4-Trimethylbenzene

Concen: 5.895 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX046191.D

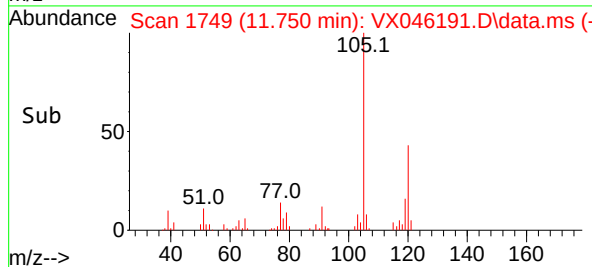
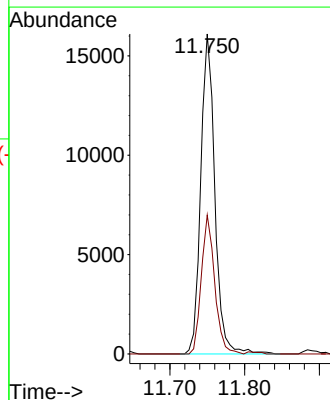
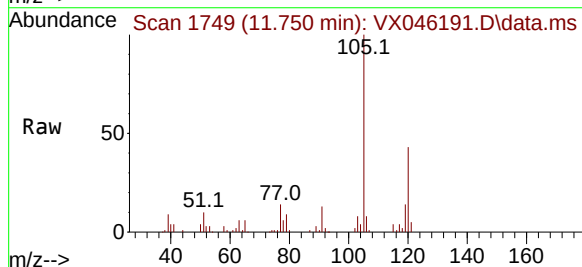
Acq: 14 May 2025 13:59

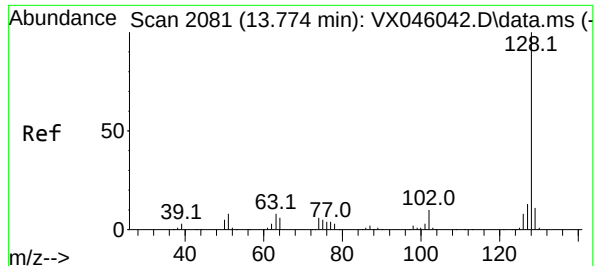
Tgt Ion:105 Resp: 21051

Ion Ratio Lower Upper

105 100

120 41.3 21.2 63.6





#95

Naphthalene

Concen: 436.320 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX046191.D

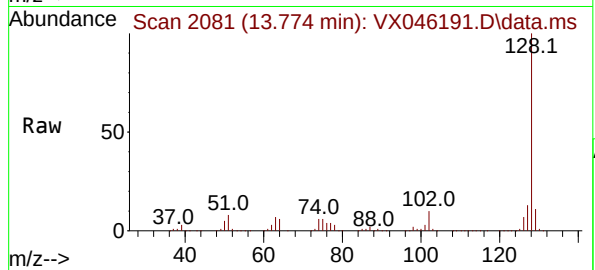
Acq: 14 May 2025 13:59

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-06-GDL



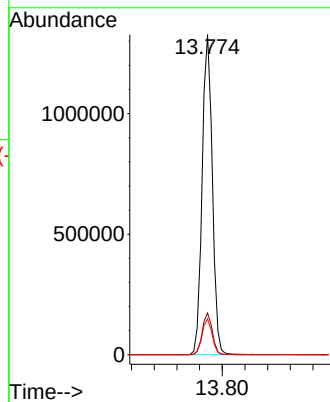
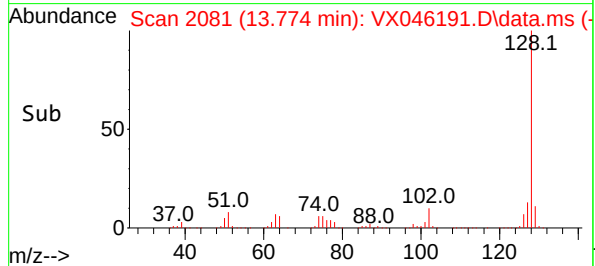
Tgt Ion:128 Resp: 1649398

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.1 8.6 13.0



Report of Analysis

Client:	ENTACT	Date Collected:	05/08/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/09/25
Client Sample ID:	WC-A1-07-G	SDG No.:	Q2001
Lab Sample ID:	Q2001-13	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046166.D	1		05/13/25 15:11	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	1800	E	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	36.4		70 (75) - 130 (124)	73%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		70 (77) - 130 (121)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63000	5.55			
540-36-3	1,4-Difluorobenzene	118000	6.757			
3114-55-4	Chlorobenzene-d5	116000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	55600	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046166.D
 Acq On : 13 May 2025 15:11
 Operator : JC/MD
 Sample : Q2001-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A1-07-G

Quant Time: May 14 01:41:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

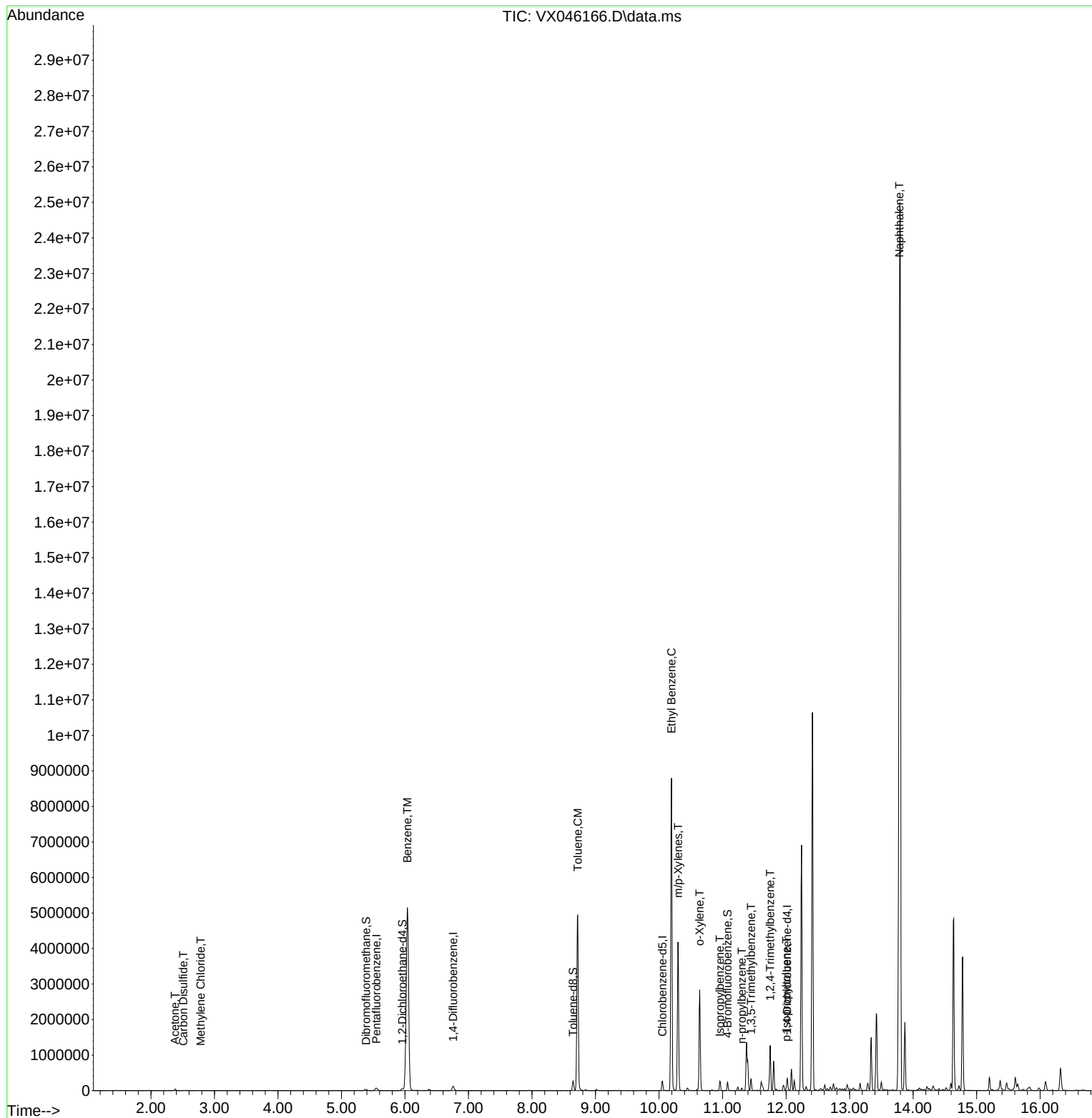
Internal Standards						
1) Pentafluorobenzene	5.550	168	63010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	118470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59884	50.978	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.960%			
35) Dibromofluoromethane	5.385	113	31017	36.358	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 72.720%#			
50) Toluene-d8	8.647	98	150823	51.079	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.160%			
62) 4-Bromofluorobenzene	11.079	95	60469	53.388	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.780%			
Target Compounds					Qvalue	
16) Acetone	2.380	43	48295	102.536	ug/l	97
17) Carbon Disulfide	2.508	76	4910	2.772	ug/l	96
20) Methylene Chloride	2.782	84	1858	2.059	ug/l	90
40) Benzene	6.038	78	5970730	1778.360	ug/l	99
52) Toluene	8.720	92	1872054	909.328	ug/l	98
67) Ethyl Benzene	10.195	91	4894168	1095.351	ug/l	96
68) m/p-Xylenes	10.299	106	877516	536.975	ug/l	100
69) o-Xylene	10.640	106	545385	342.327	ug/l	99
73) Isopropylbenzene	10.957	105	136999	31.676	ug/l	99
78) n-propylbenzene	11.305	91	42409	8.433	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	143432	39.697	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	515381	140.852	ug/l	99
86) p-Isopropyltoluene	12.006	119	16471	4.465	ug/l #	71
95) Naphthalene	13.786	128	18150456	4685.487	ug/l #	89

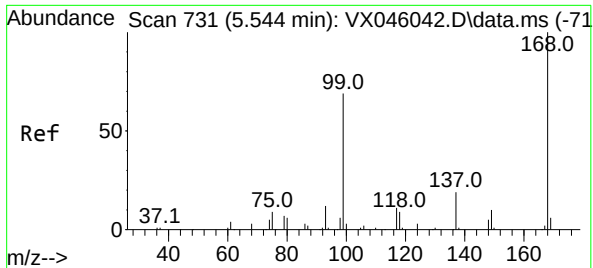
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046166.D
Acq On : 13 May 2025 15:11
Operator : JC/MD
Sample : Q2001-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A1-07-G

Quant Time: May 14 01:41:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

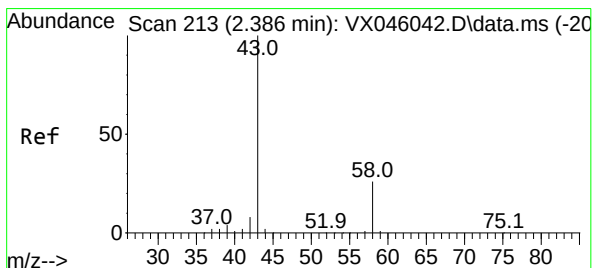
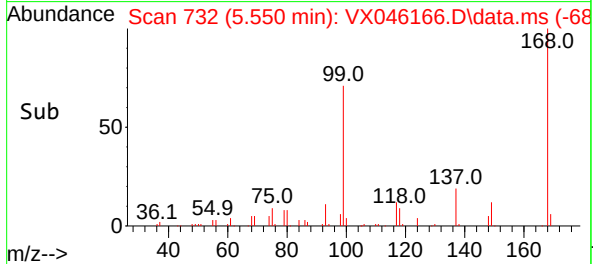
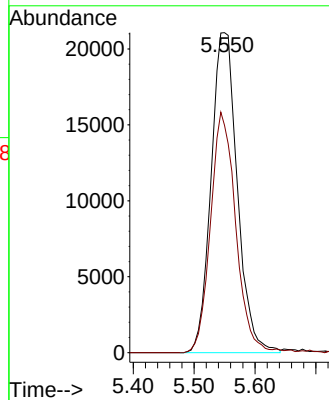
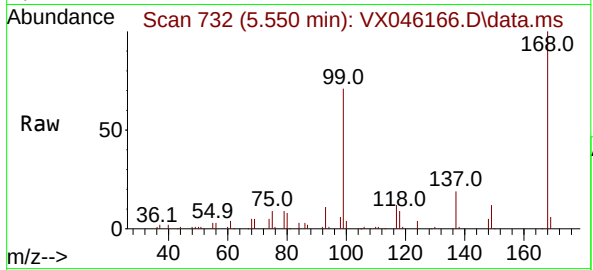




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046166.D
Acq: 13 May 2025 15:11

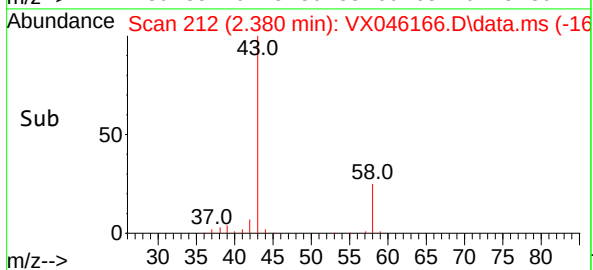
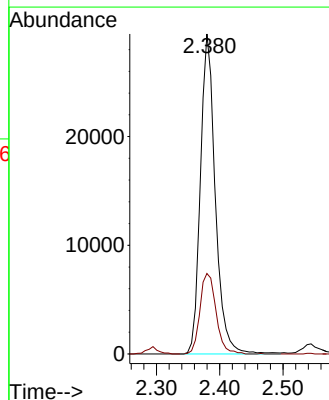
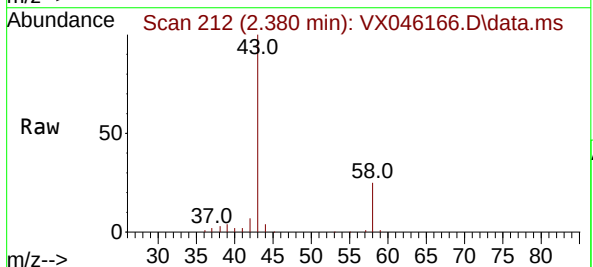
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-07-G

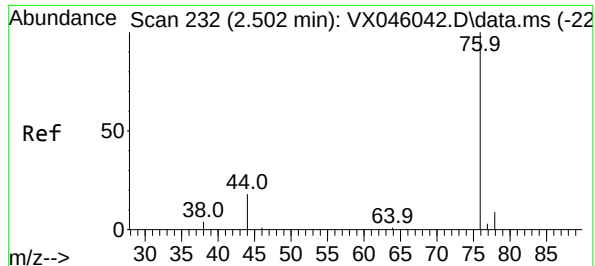
Tgt Ion:168 Resp: 63010
Ion Ratio Lower Upper
168 100
99 71.1 54.9 82.3



#16
Acetone
Concen: 102.536 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046166.D
Acq: 13 May 2025 15:11

Tgt Ion: 43 Resp: 48295
Ion Ratio Lower Upper
43 100
58 25.2 21.2 31.8

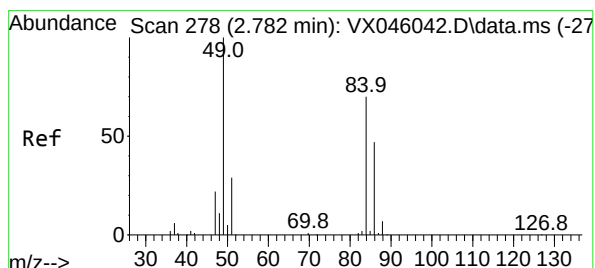
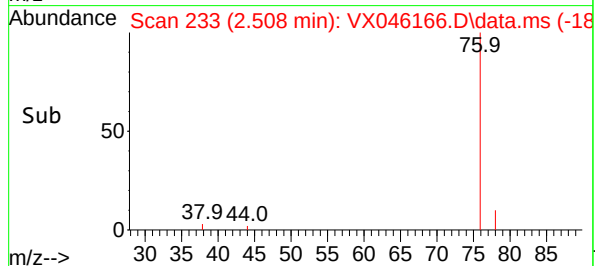
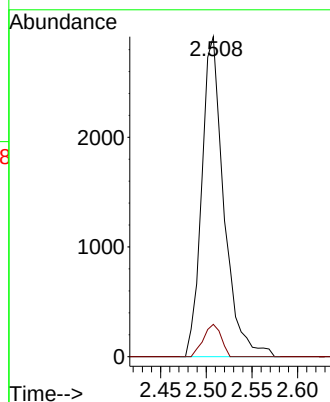
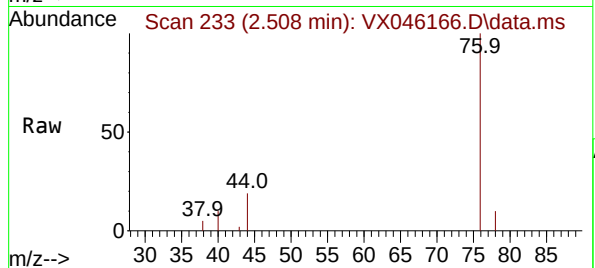




#17
Carbon Disulfide
Concen: 2.772 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046166.D
Acq: 13 May 2025 15:11

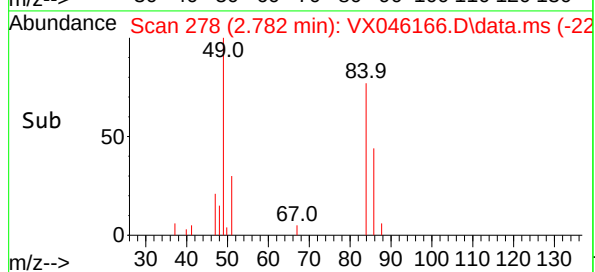
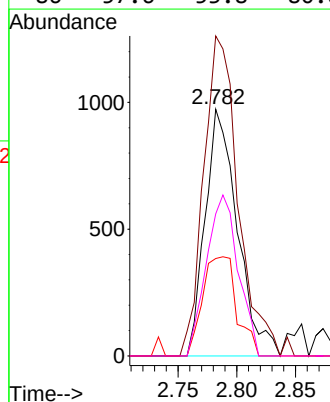
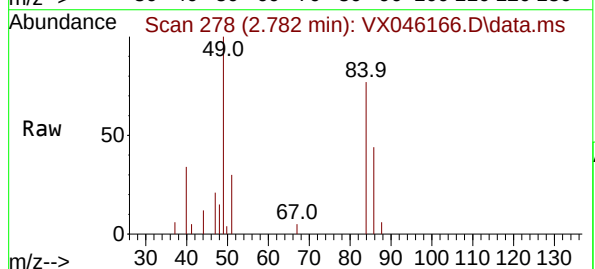
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-07-G

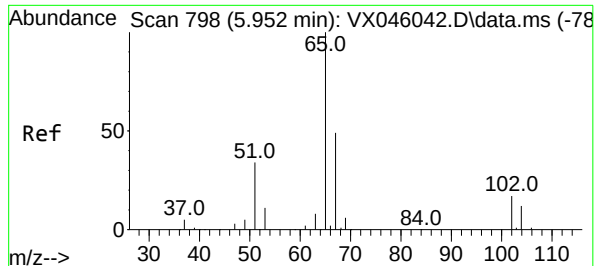
Tgt Ion: 76 Resp: 4910
Ion Ratio Lower Upper
76 100
78 10.1 7.0 10.4



#20
Methylene Chloride
Concen: 2.059 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046166.D
Acq: 13 May 2025 15:11

Tgt Ion: 84 Resp: 1858
Ion Ratio Lower Upper
84 100
49 129.7 113.9 170.9
51 39.5 33.5 50.3
86 57.6 53.8 80.8





#33

1,2-Dichloroethane-d4

Concen: 50.978 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX046166.D

Acq: 13 May 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

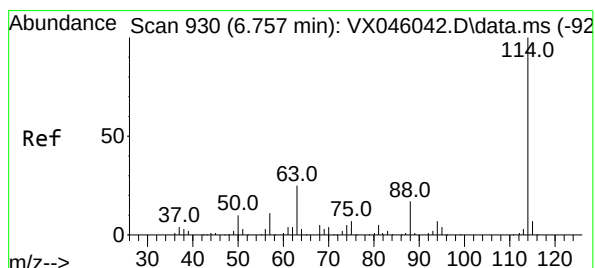
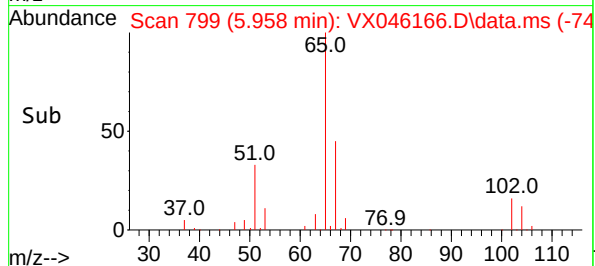
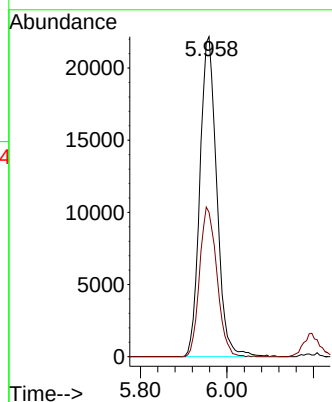
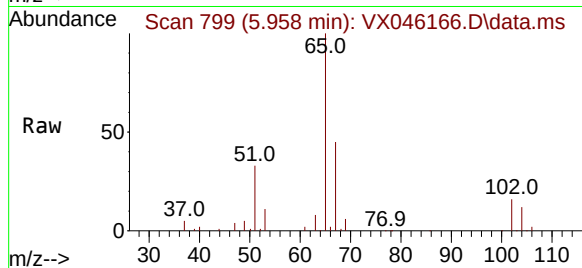
WC-A1-07-G

Tgt Ion: 65 Resp: 59884

Ion Ratio Lower Upper

65 100

67 47.9 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046166.D

Acq: 13 May 2025 15:11

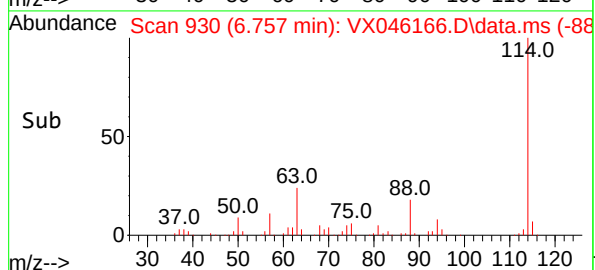
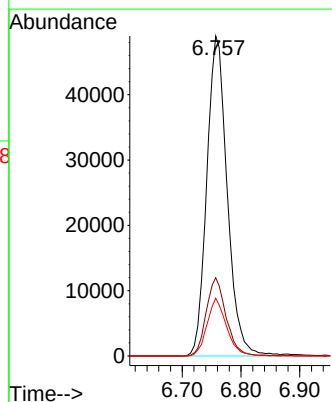
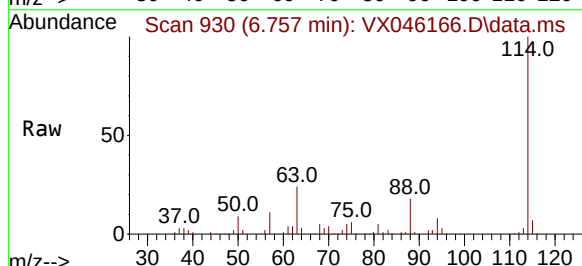
Tgt Ion: 114 Resp: 118470

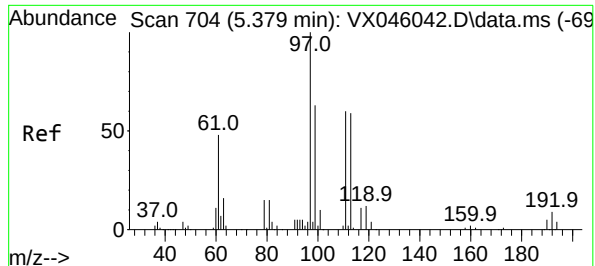
Ion Ratio Lower Upper

114 100

63 24.4 0.0 49.2

88 18.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 36.358 ug/l

RT: 5.385 min Scan# 70

Delta R.T. 0.006 min

Lab File: VX046166.D

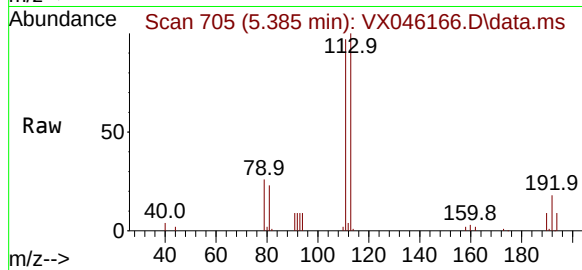
Acq: 13 May 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-07-G



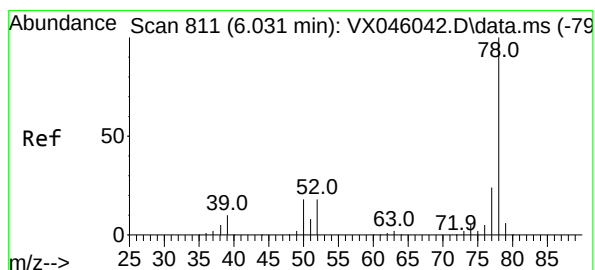
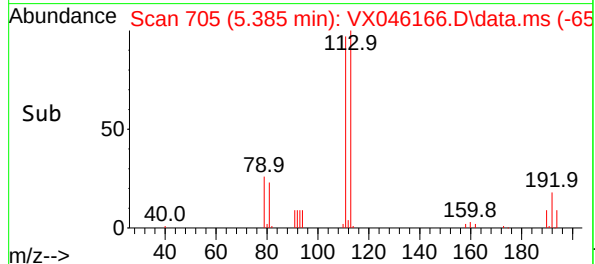
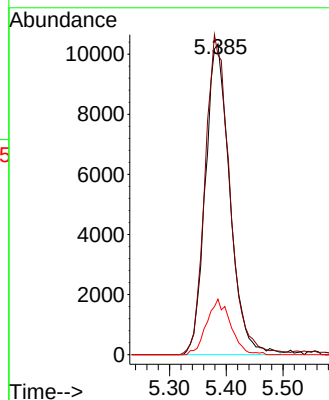
Tgt Ion:113 Resp: 31017

Ion Ratio Lower Upper

113 100

111 103.3 83.1 124.7

192 17.5 13.3 19.9



#40

Benzene

Concen: 1778.360 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX046166.D

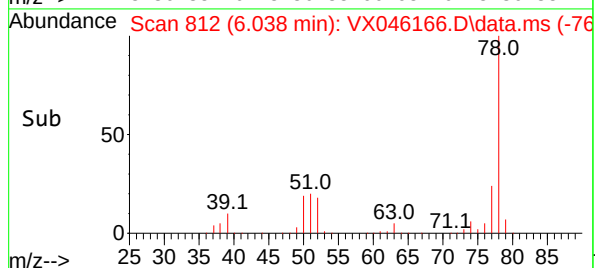
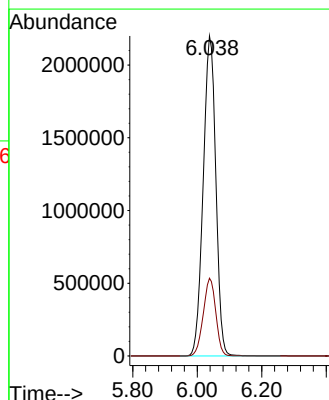
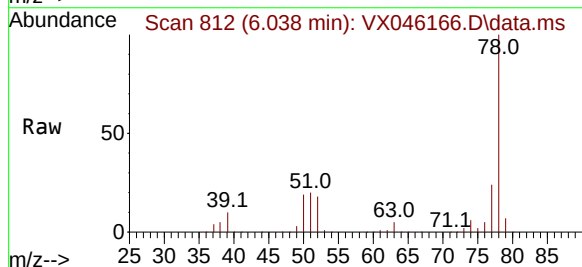
Acq: 13 May 2025 15:11

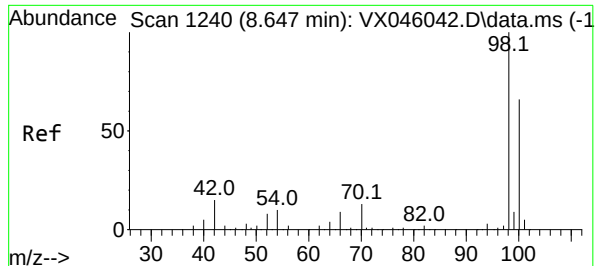
Tgt Ion: 78 Resp: 5970730

Ion Ratio Lower Upper

78 100

77 24.3 19.0 28.4





#50

Toluene-d8

Concen: 51.079 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046166.D

Acq: 13 May 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

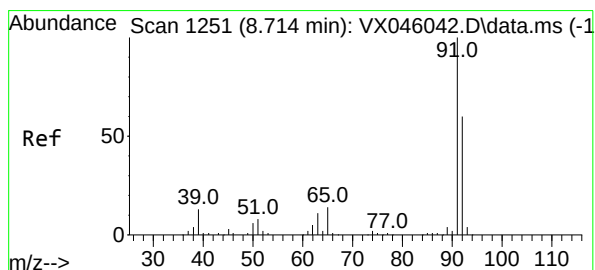
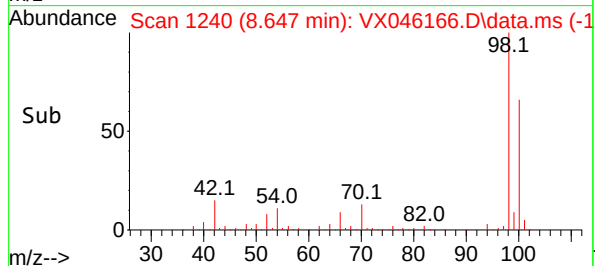
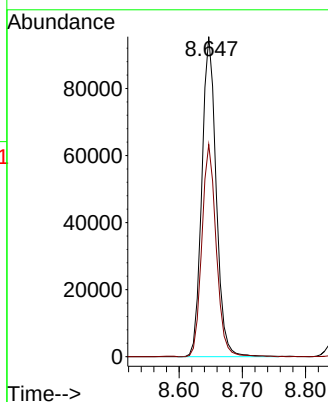
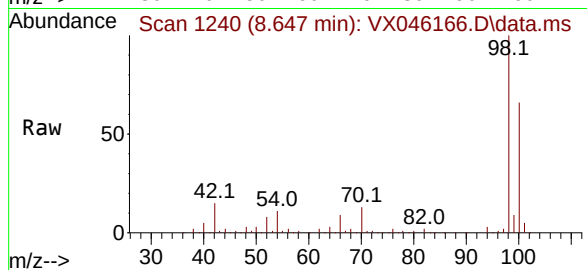
WC-A1-07-G

Tgt Ion: 98 Resp: 150823

Ion Ratio Lower Upper

98 100

100 66.4 53.5 80.3



#52

Toluene

Concen: 909.328 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX046166.D

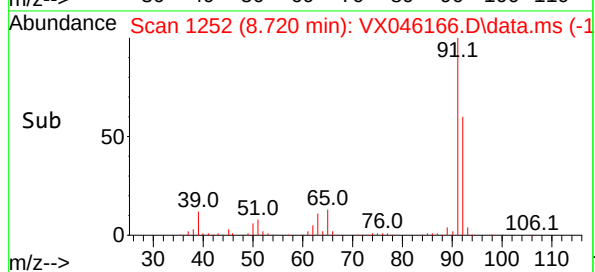
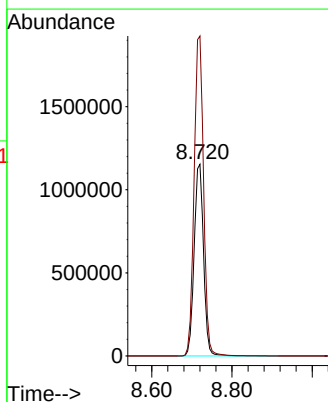
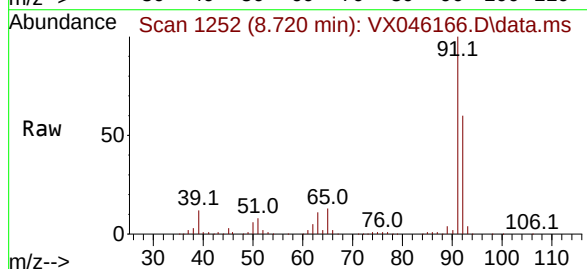
Acq: 13 May 2025 15:11

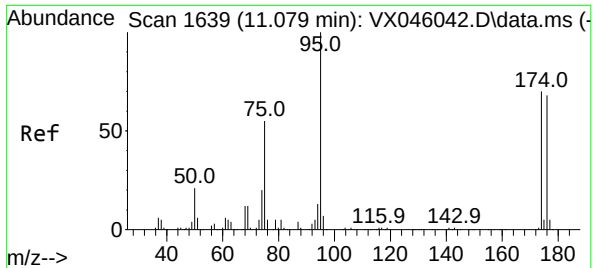
Tgt Ion: 92 Resp: 1872054

Ion Ratio Lower Upper

92 100

91 168.7 136.6 205.0

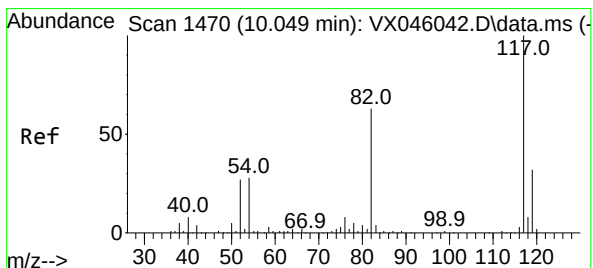
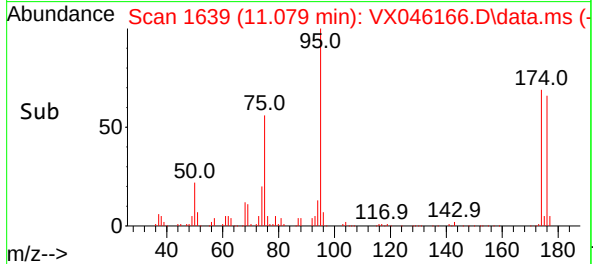
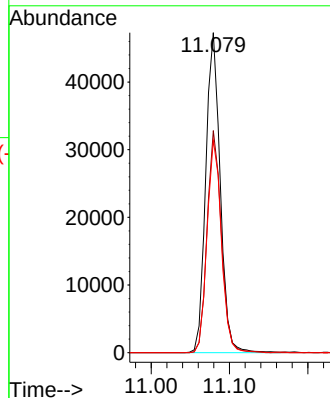
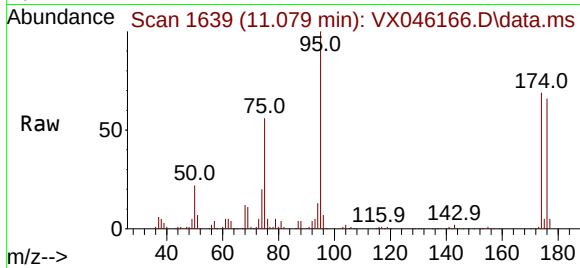




#62
4-Bromofluorobenzene
Concen: 53.388 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046166.D
Acq: 13 May 2025 15:11

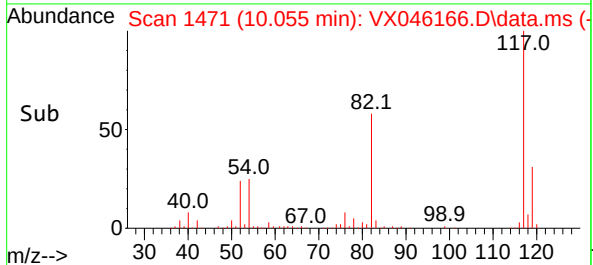
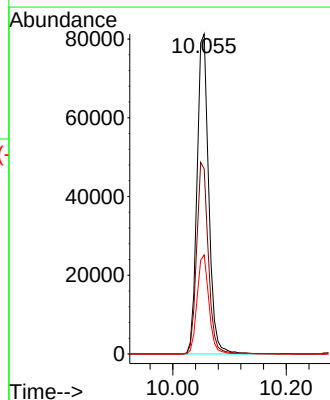
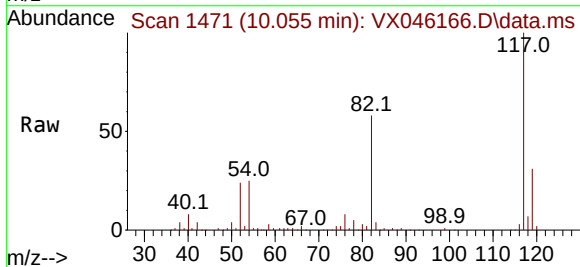
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-07-G

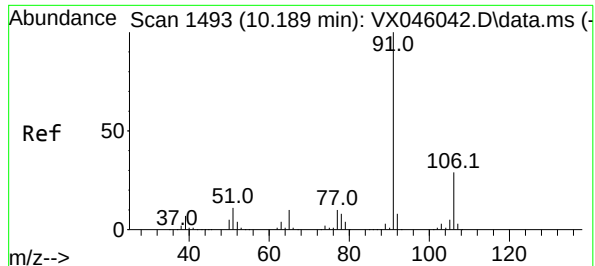
Tgt Ion: 95 Resp: 60469
Ion Ratio Lower Upper
95 100
174 68.5 0.0 135.8
176 65.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046166.D
Acq: 13 May 2025 15:11

Tgt Ion: 117 Resp: 115809
Ion Ratio Lower Upper
117 100
82 57.8 50.6 76.0
119 31.0 25.8 38.6





#67

Ethyl Benzene

Concen: 1095.351 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX046166.D

Acq: 13 May 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

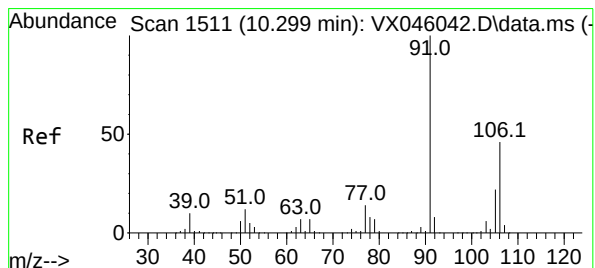
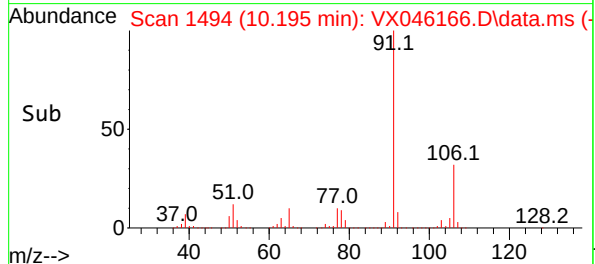
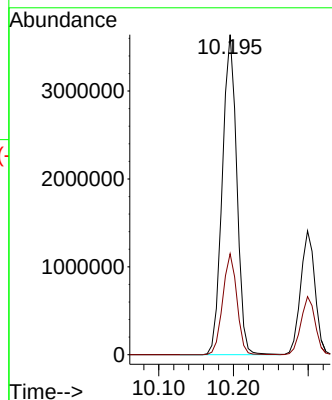
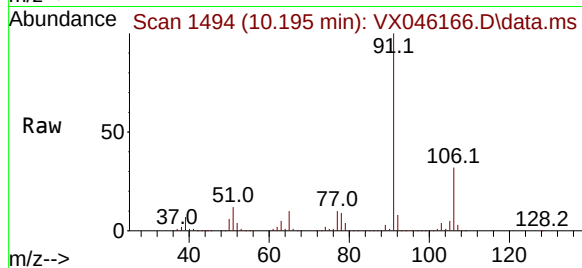
WC-A1-07-G

Tgt Ion: 91 Resp: 4894168

Ion Ratio Lower Upper

91 100

106 31.6 23.4 35.2



#68

m/p-Xylenes

Concen: 536.975 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX046166.D

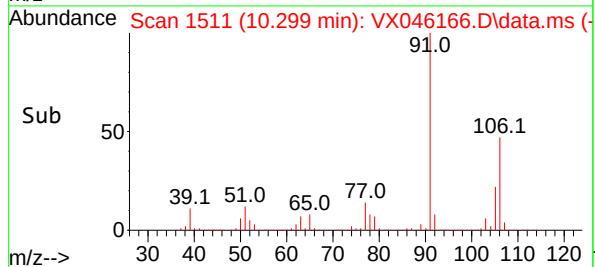
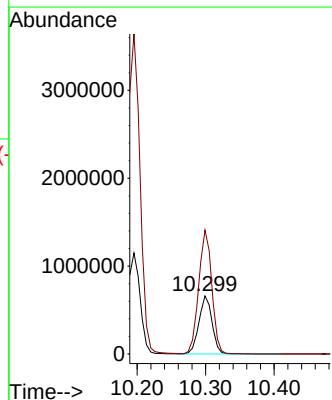
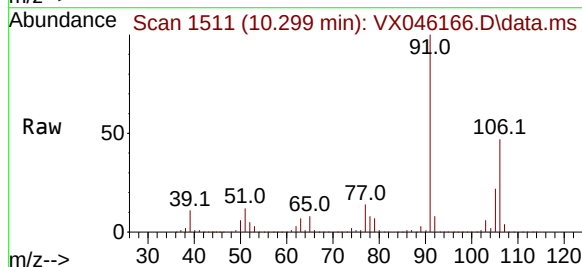
Acq: 13 May 2025 15:11

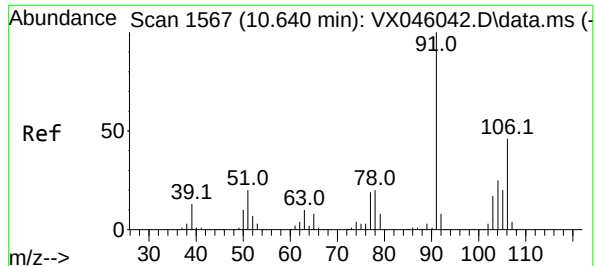
Tgt Ion:106 Resp: 877516

Ion Ratio Lower Upper

106 100

91 214.3 171.2 256.8





#69

o-Xylene

Concen: 342.327 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX046166.D

Acq: 13 May 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

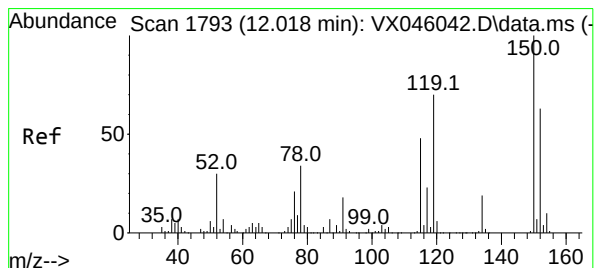
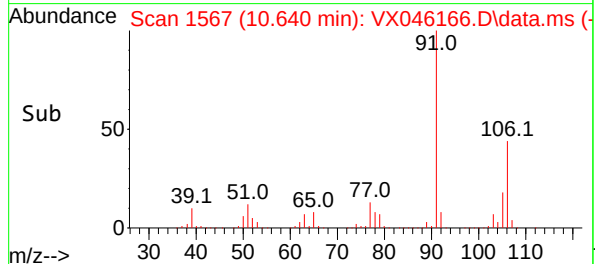
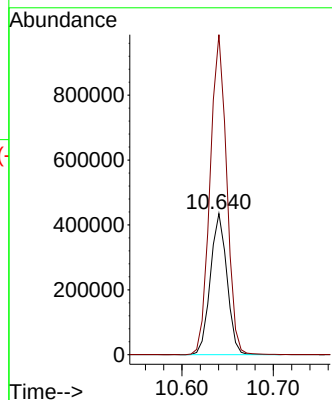
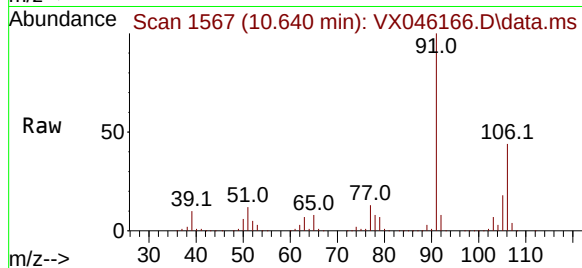
WC-A1-07-G

Tgt Ion:106 Resp: 545385

Ion Ratio Lower Upper

106 100

91 227.8 112.7 338.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX046166.D

Acq: 13 May 2025 15:11

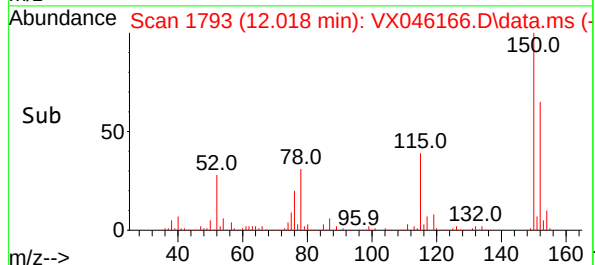
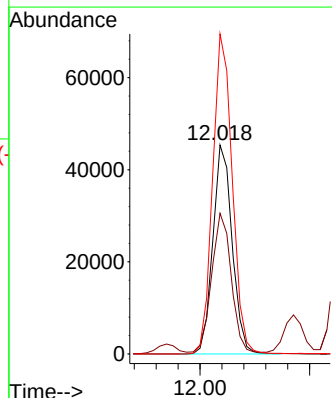
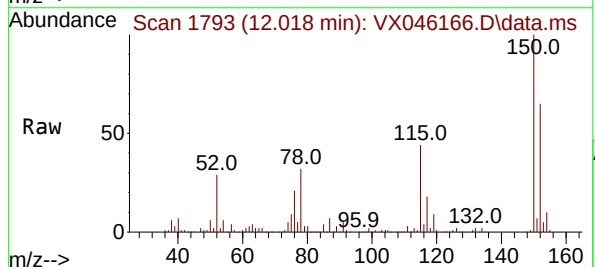
Tgt Ion:152 Resp: 55553

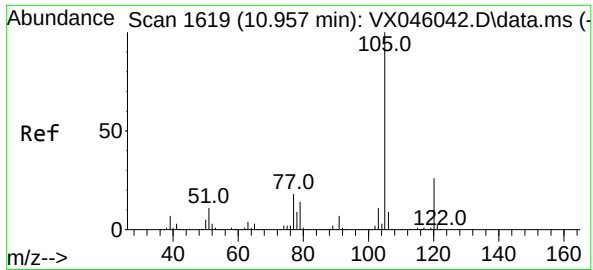
Ion Ratio Lower Upper

152 100

115 66.7 46.9 140.7

150 155.0 0.0 351.0

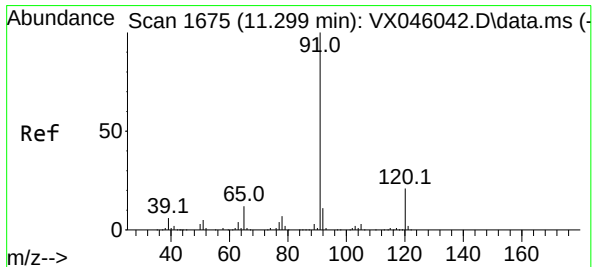
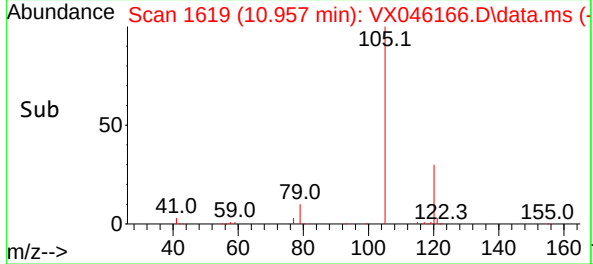
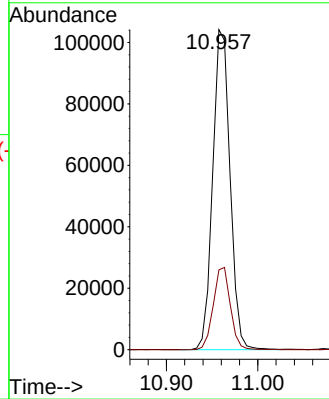
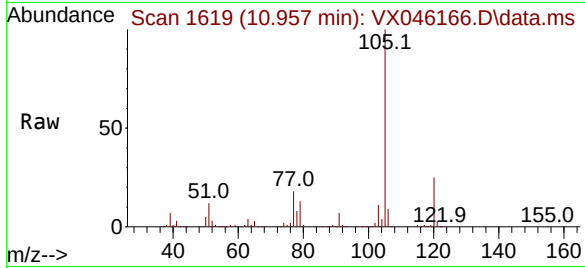




#73
Isopropylbenzene
Concen: 31.676 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX046166.D
Acq: 13 May 2025 15:11

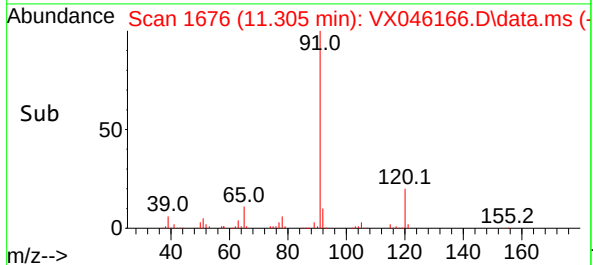
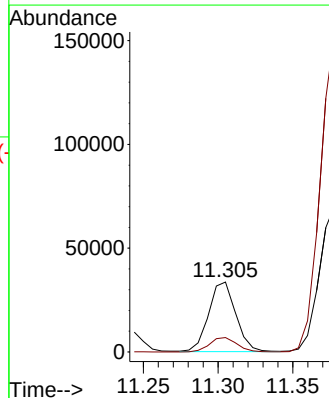
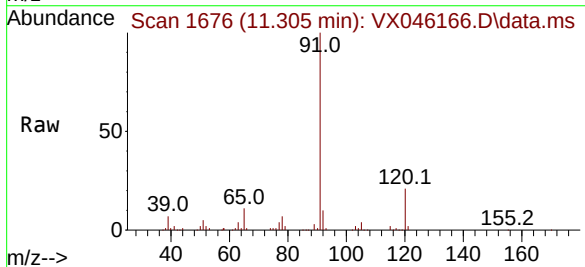
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-07-G

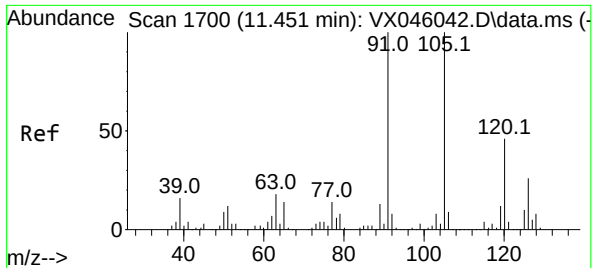
Tgt Ion:105 Resp: 136999
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.4



#78
n-propylbenzene
Concen: 8.433 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046166.D
Acq: 13 May 2025 15:11

Tgt Ion: 91 Resp: 42409
Ion Ratio Lower Upper
91 100
120 21.0 10.8 32.4





#80

1,3,5-Trimethylbenzene

Concen: 39.697 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX046166.D

Acq: 13 May 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

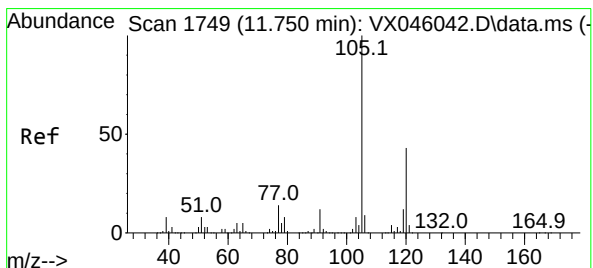
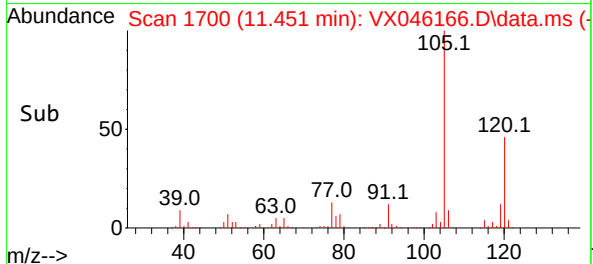
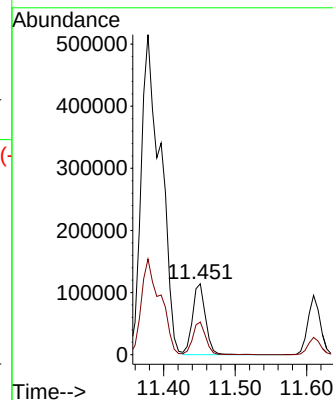
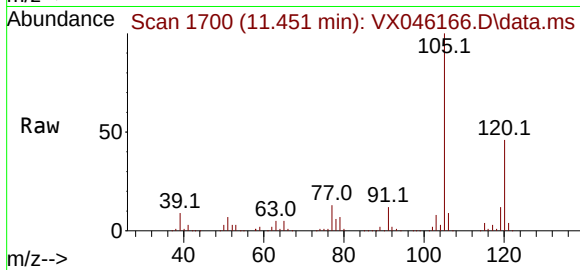
WC-A1-07-G

Tgt Ion:105 Resp: 143432

Ion Ratio Lower Upper

105 100

120 45.5 23.1 69.2



#84

1,2,4-Trimethylbenzene

Concen: 140.852 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX046166.D

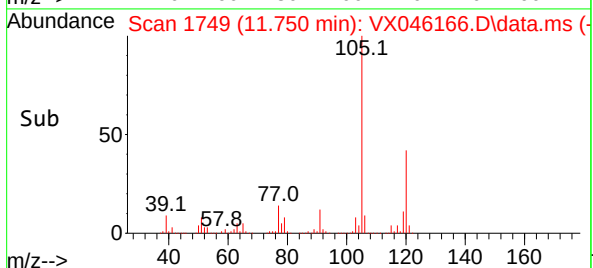
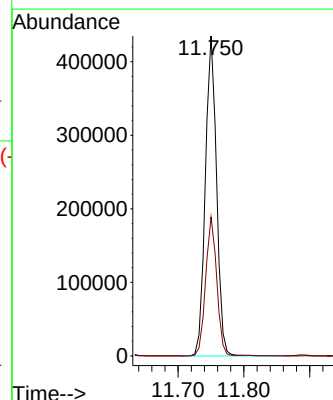
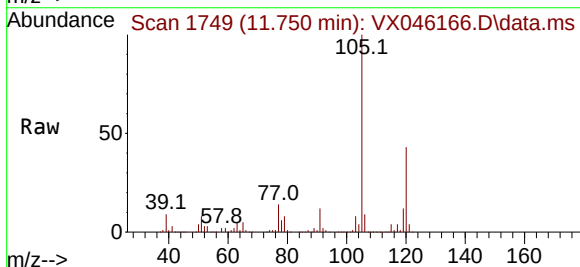
Acq: 13 May 2025 15:11

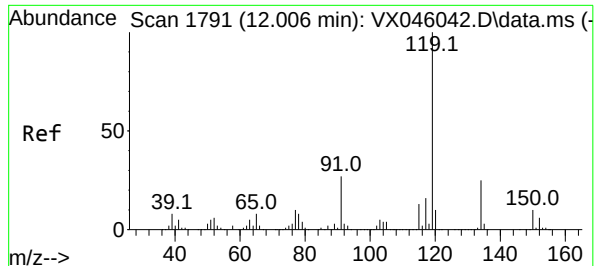
Tgt Ion:105 Resp: 515381

Ion Ratio Lower Upper

105 100

120 43.0 21.2 63.6





#86

p-Isopropyltoluene

Concen: 4.465 ug/l

RT: 12.006 min Scan# 119

Delta R.T. 0.000 min

Lab File: VX046166.D

Acq: 13 May 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-07-G

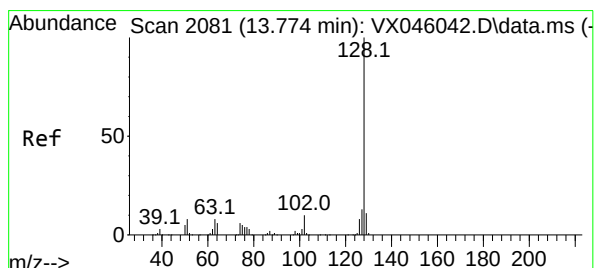
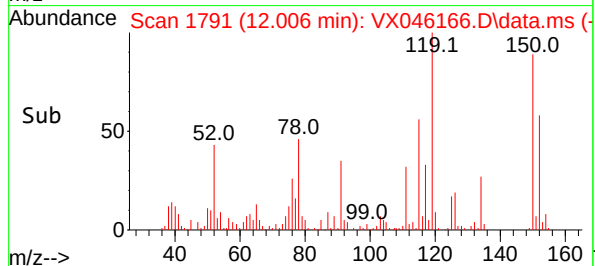
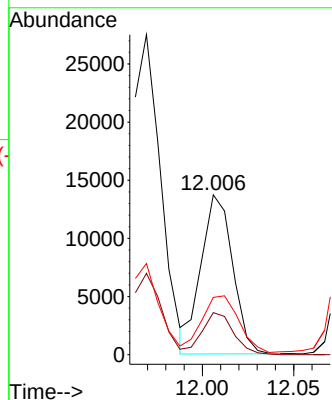
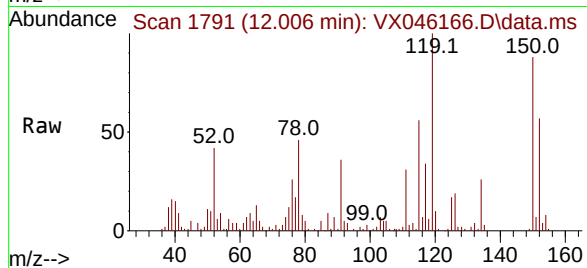
Tgt Ion:119 Resp: 16471

Ion Ratio Lower Upper

119 100

134 26.4 12.5 37.5

91 0.0 13.8 41.4#



#95

Naphthalene

Concen: 4685.487 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX046166.D

Acq: 13 May 2025 15:11

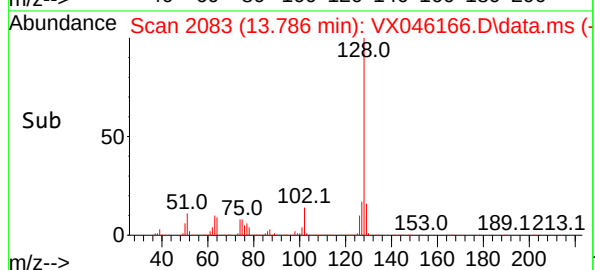
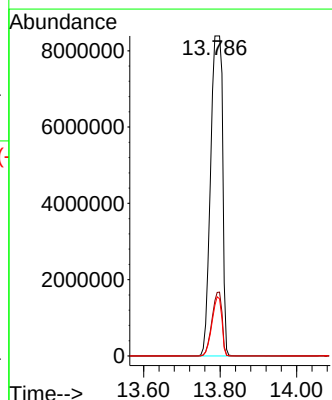
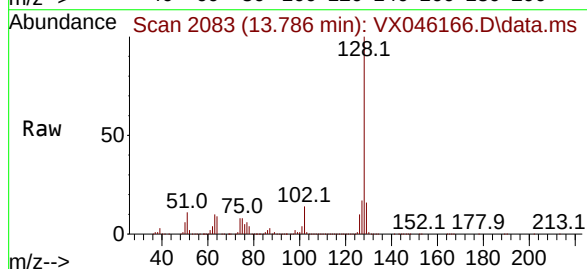
Tgt Ion:128 Resp:18150456

Ion Ratio Lower Upper

128 100

127 16.8 10.4 15.6#

129 15.2 8.6 13.0#



Report of Analysis

Client:	ENTACT	Date Collected:	05/08/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/09/25
Client Sample ID:	WC-A1-07-GDL	SDG No.:	Q2001
Lab Sample ID:	Q2001-13DL	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046192.D	40		05/14/25 14:22	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	10.4	UD	10.4	200	ug/L
75-35-4	1,1-Dichloroethene	9.20	UD	9.20	200	ug/L
78-93-3	2-Butanone	39.2	UD	39.2	1000	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	10.0	200	ug/L
67-66-3	Chloroform	10.0	UD	10.0	200	ug/L
71-43-2	Benzene	1700	D	6.00	200	ug/L
107-06-2	1,2-Dichloroethane	8.80	UD	8.80	200	ug/L
79-01-6	Trichloroethene	3.70	UD	3.70	200	ug/L
127-18-4	Tetrachloroethene	9.20	UD	9.20	200	ug/L
108-90-7	Chlorobenzene	4.80	UD	4.80	200	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63200	5.544			
540-36-3	1,4-Difluorobenzene	125000	6.757			
3114-55-4	Chlorobenzene-d5	121000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	53400	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046192.D
 Acq On : 14 May 2025 14:22
 Operator : JC/MD
 Sample : Q2001-13DL 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A1-07-GDL

Quant Time: May 15 01:23:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

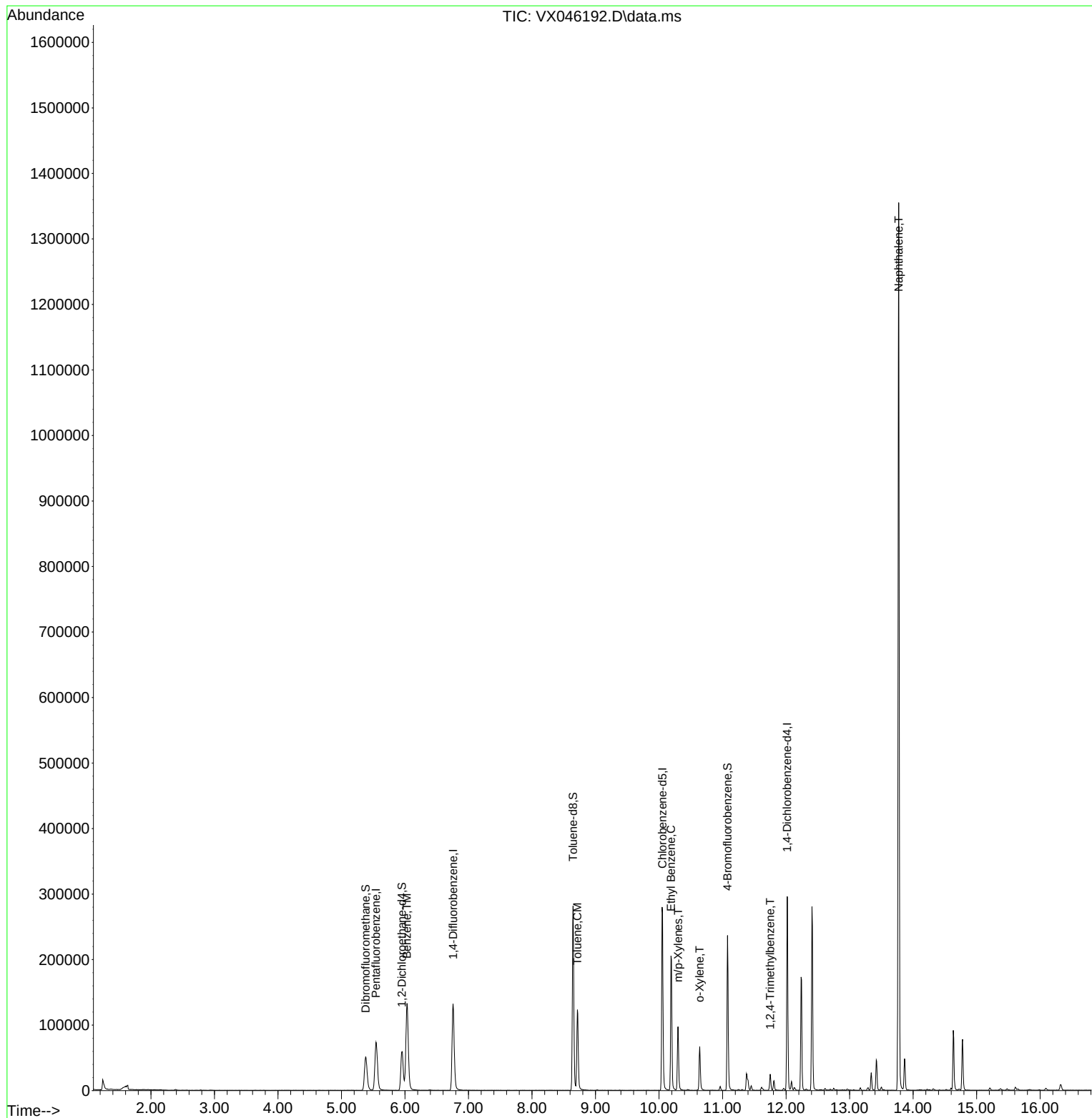
Internal Standards						
1) Pentafluorobenzene	5.544	168	63191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125362	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61821	52.476	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.960%			
35) Dibromofluoromethane	5.379	113	44810	49.638	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.280%			
50) Toluene-d8	8.647	98	158971	50.879	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.760%			
62) 4-Bromofluorobenzene	11.079	95	63423	52.918	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.840%			
Target Compounds					Qvalue	
40) Benzene	6.031	78	153767	43.281	ug/l	98
52) Toluene	8.714	92	45279	20.785	ug/l	98
67) Ethyl Benzene	10.189	91	121415	25.934	ug/l	100
68) m/p-Xylenes	10.299	106	20232	11.816	ug/l	89
69) o-Xylene	10.640	106	13381	8.016	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	10429	2.967	ug/l	99
95) Naphthalene	13.774	128	757191	203.489	ug/l	100

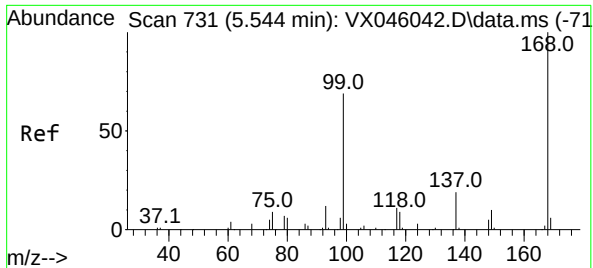
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046192.D
Acq On : 14 May 2025 14:22
Operator : JC/MD
Sample : Q2001-13DL 40X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A1-07-GDL

Quant Time: May 15 01:23:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.000 min

Lab File: VX046192.D

Acq: 14 May 2025 14:22

Instrument :

MSVOA_X

ClientSampleId :

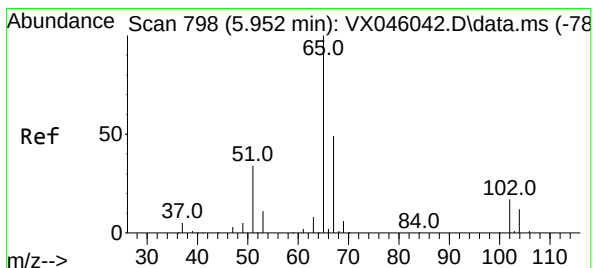
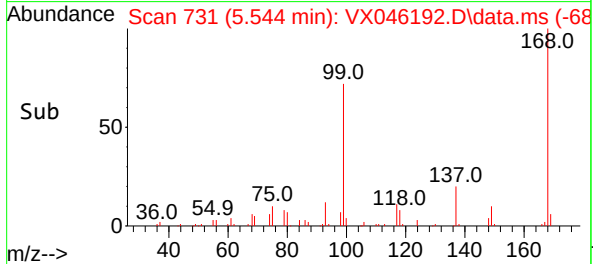
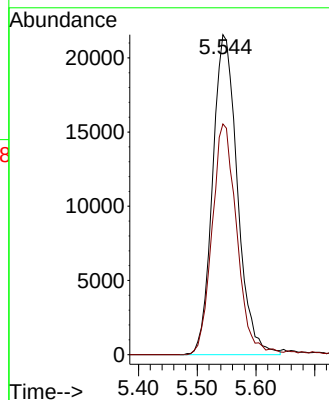
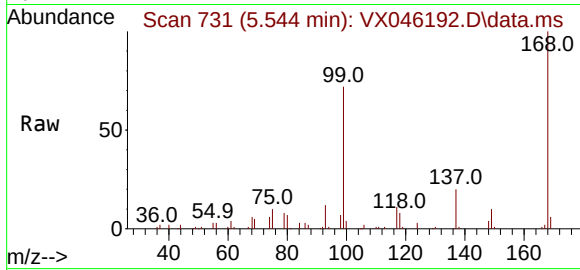
WC-A1-07-GDL

Tgt Ion:168 Resp: 63191

Ion Ratio Lower Upper

168 100

99 72.1 54.9 82.3



#33

1,2-Dichloroethane-d4

Concen: 52.476 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046192.D

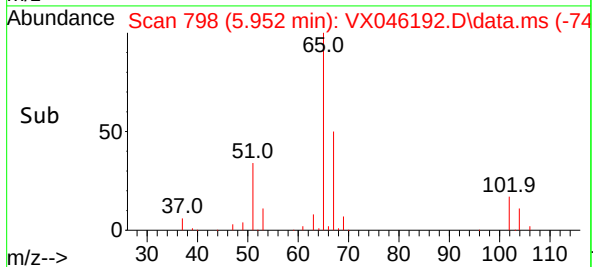
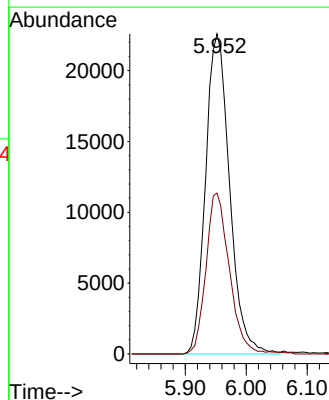
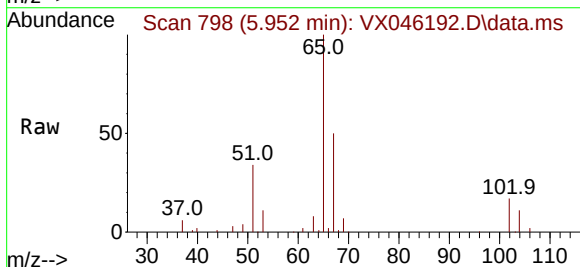
Acq: 14 May 2025 14:22

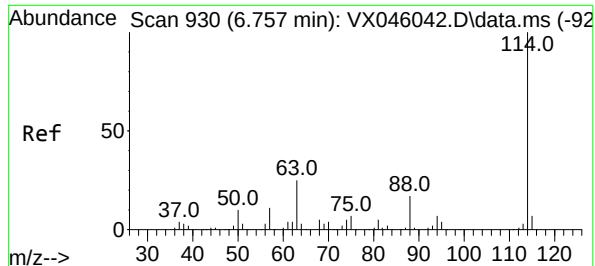
Tgt Ion: 65 Resp: 61821

Ion Ratio Lower Upper

65 100

67 49.2 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046192.D

Acq: 14 May 2025 14:22

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-07-GDL

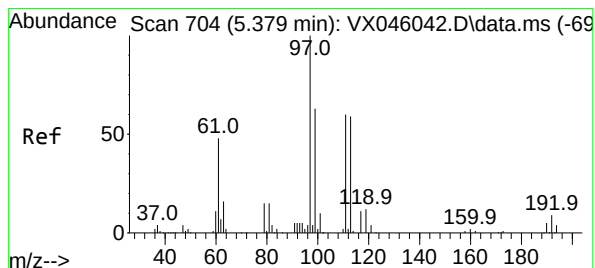
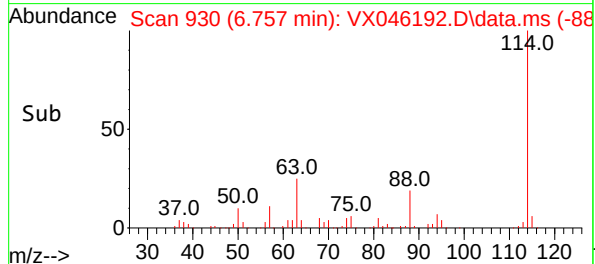
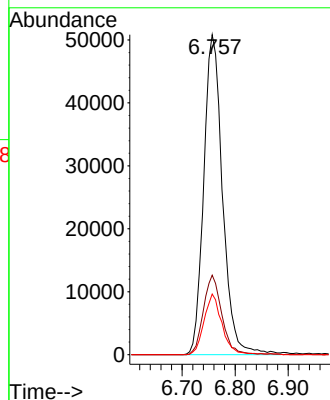
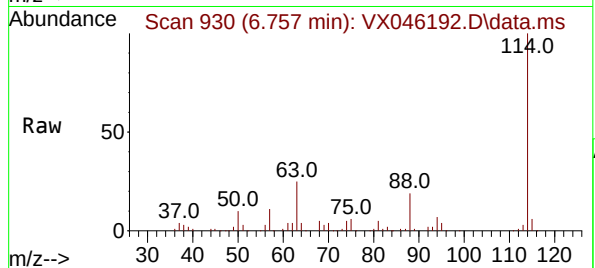
Tgt Ion:114 Resp: 125362

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

88 19.0 0.0 33.6



#35

Dibromofluoromethane

Concen: 49.638 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046192.D

Acq: 14 May 2025 14:22

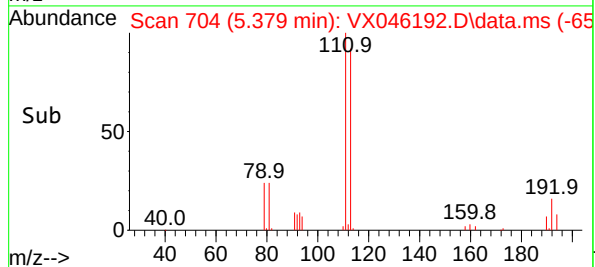
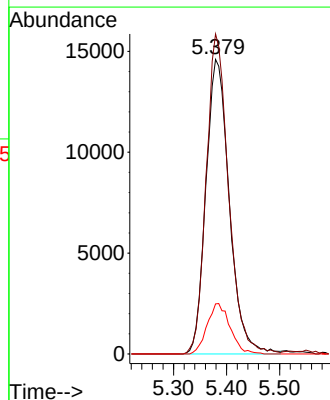
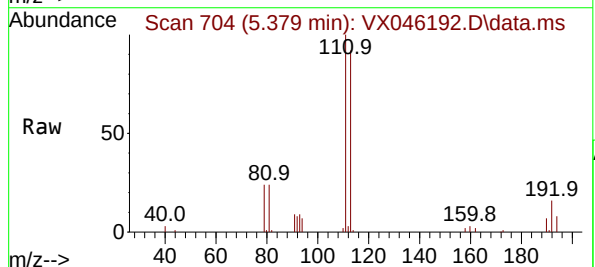
Tgt Ion:113 Resp: 44810

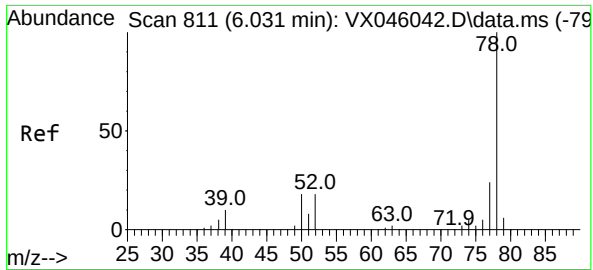
Ion Ratio Lower Upper

113 100

111 103.7 83.1 124.7

192 16.8 13.3 19.9

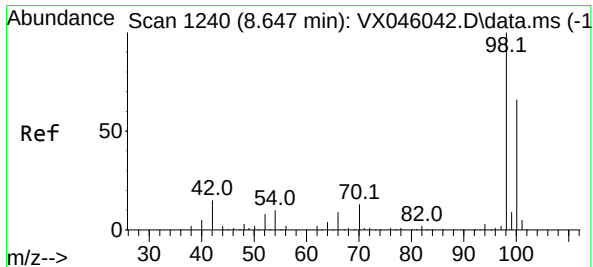
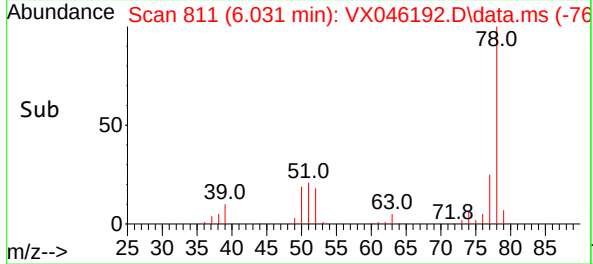
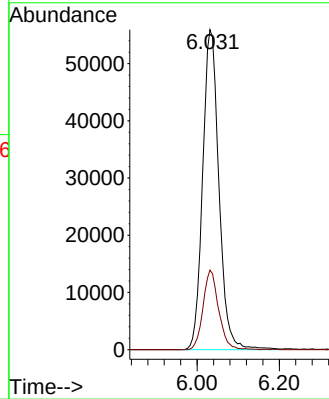
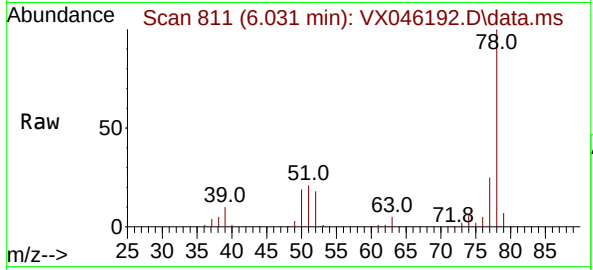




#40
Benzene
Concen: 43.281 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046192.D
Acq: 14 May 2025 14:22

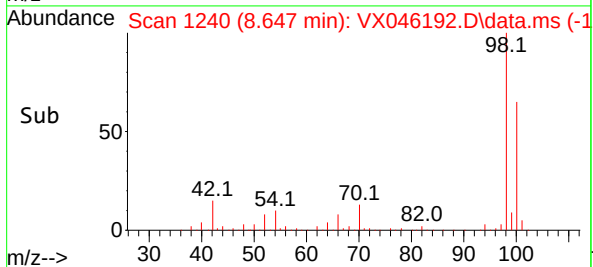
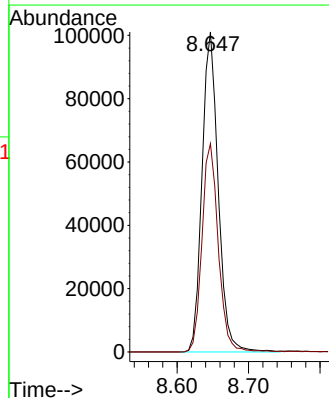
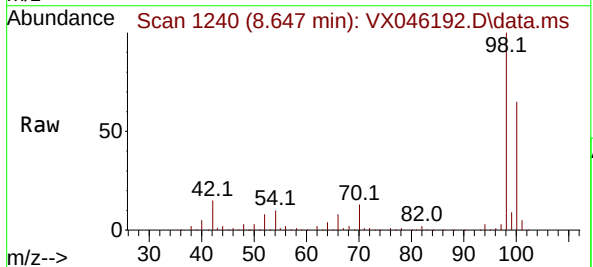
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-07-GDL

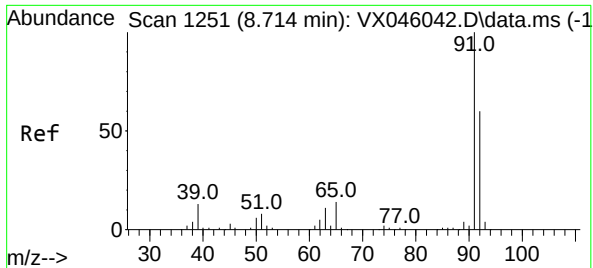
Tgt Ion: 78 Resp: 153767
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.4



#50
Toluene-d8
Concen: 50.879 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046192.D
Acq: 14 May 2025 14:22

Tgt Ion: 98 Resp: 158971
Ion Ratio Lower Upper
98 100
100 65.5 53.5 80.3

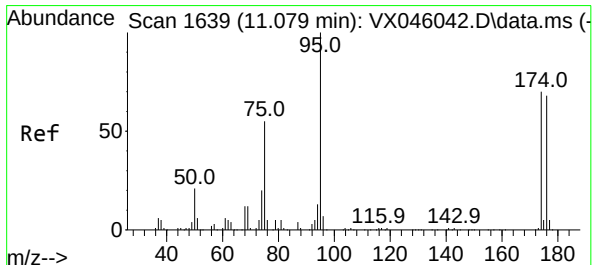
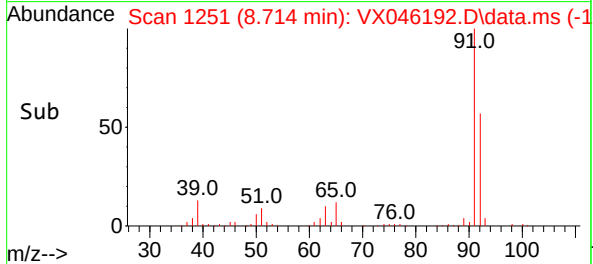
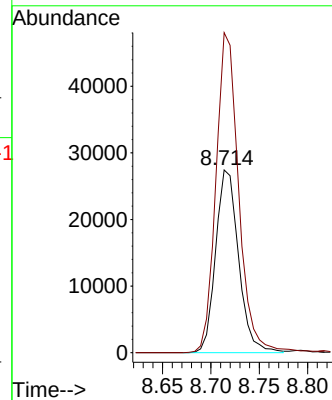
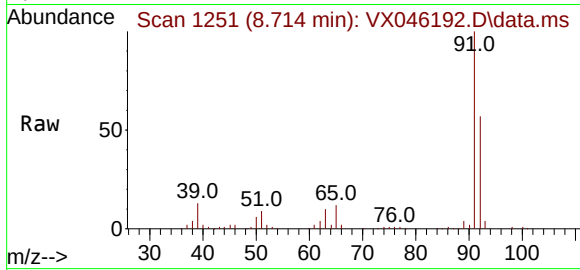




#52
Toluene
Concen: 20.785 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046192.D
Acq: 14 May 2025 14:22

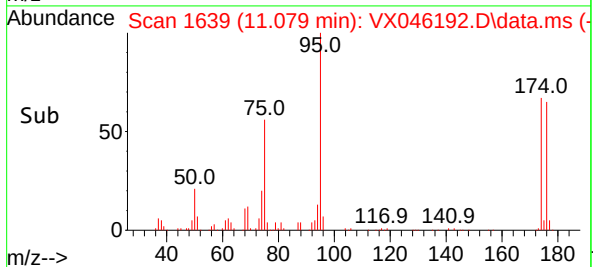
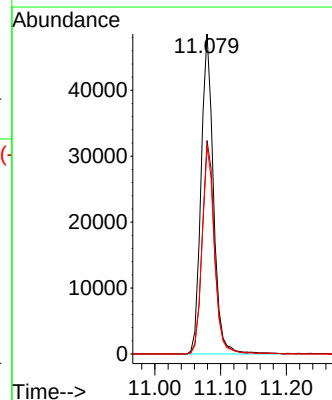
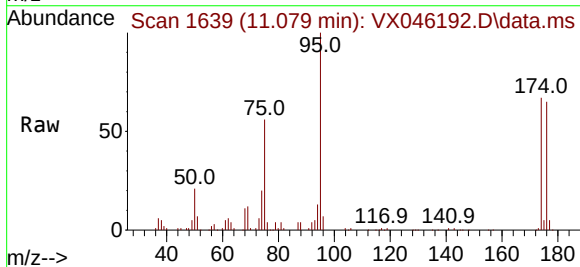
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-07-GDL

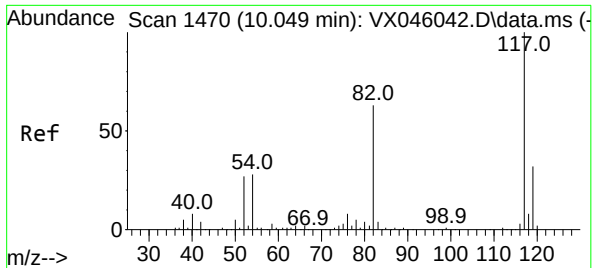
Tgt Ion: 92 Resp: 45279
Ion Ratio Lower Upper
92 100
91 174.2 136.6 205.0



#62
4-Bromofluorobenzene
Concen: 52.918 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046192.D
Acq: 14 May 2025 14:22

Tgt Ion: 95 Resp: 63423
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.8
176 64.4 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX046192.D

Acq: 14 May 2025 14:22

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-07-GDL

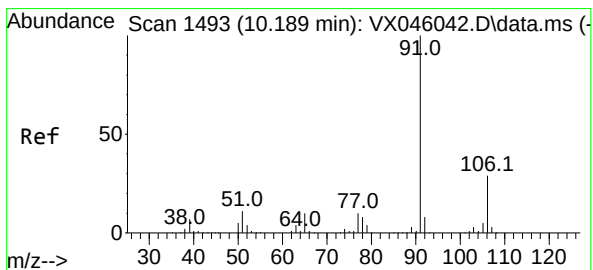
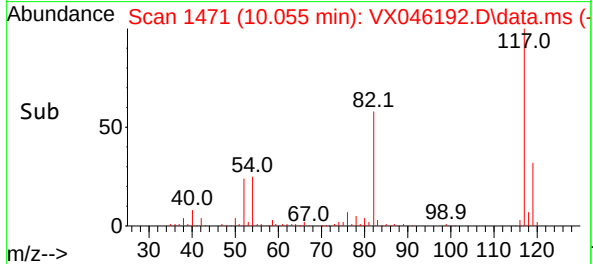
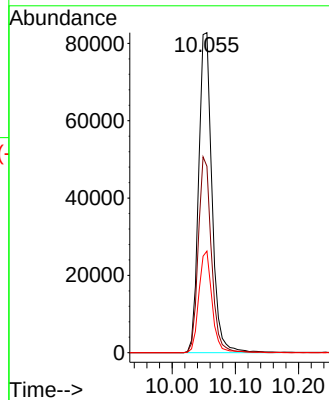
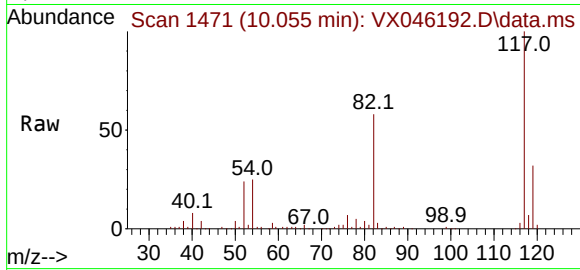
Tgt Ion:117 Resp: 121345

Ion Ratio Lower Upper

117 100

82 58.2 50.6 76.0

119 31.8 25.8 38.6



#67

Ethyl Benzene

Concen: 25.934 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX046192.D

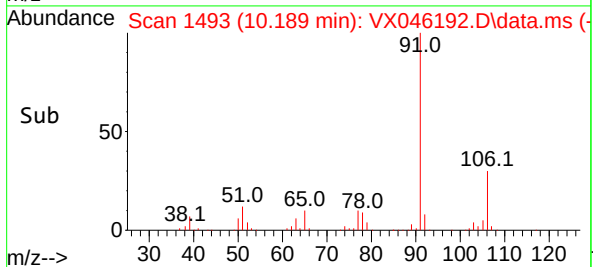
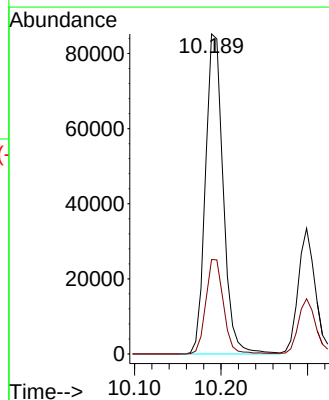
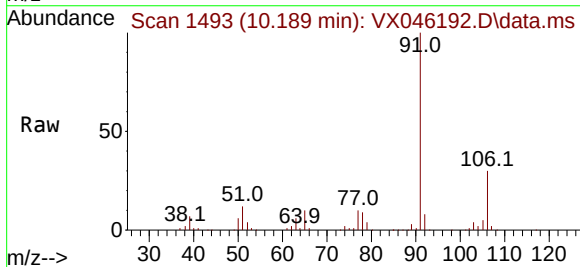
Acq: 14 May 2025 14:22

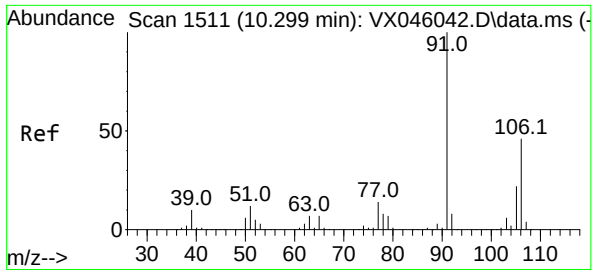
Tgt Ion: 91 Resp: 121415

Ion Ratio Lower Upper

91 100

106 29.5 23.4 35.2

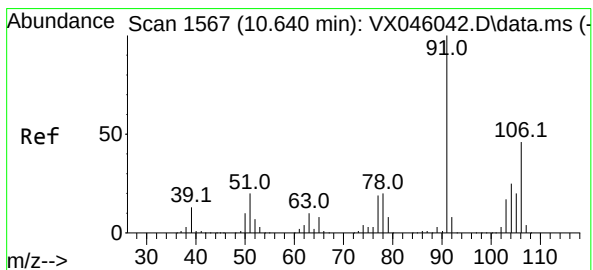
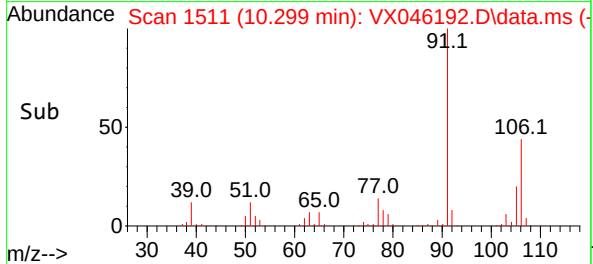
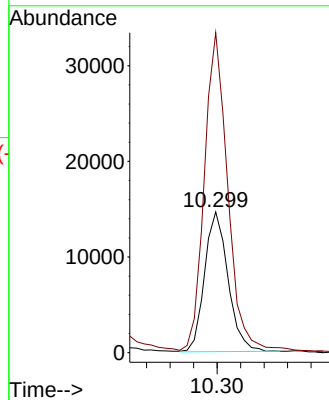
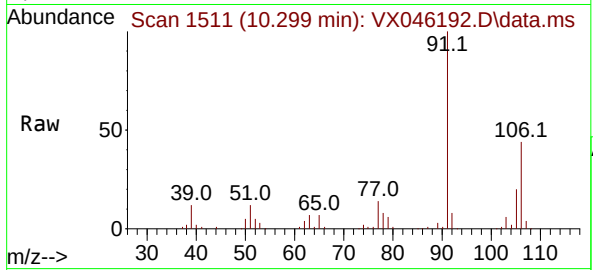




#68
m/p-Xylenes
Concen: 11.816 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046192.D
Acq: 14 May 2025 14:22

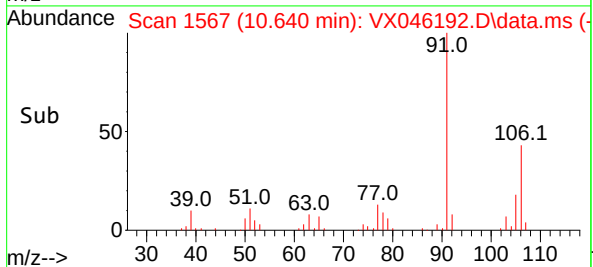
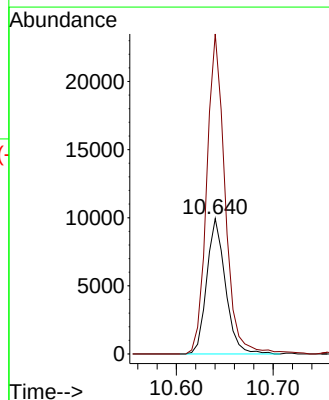
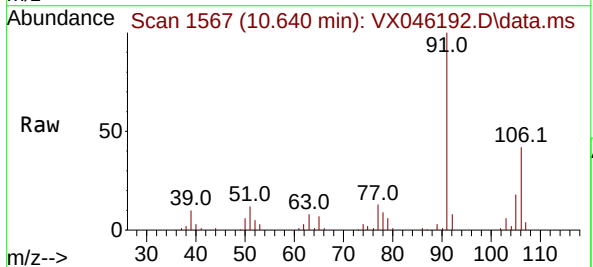
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-07-GDL

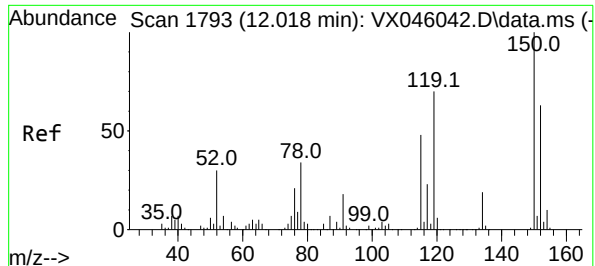
Tgt Ion:106 Resp: 20232
Ion Ratio Lower Upper
106 100
91 231.6 171.2 256.8



#69
o-Xylene
Concen: 8.016 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046192.D
Acq: 14 May 2025 14:22

Tgt Ion:106 Resp: 13381
Ion Ratio Lower Upper
106 100
91 231.9 112.7 338.1

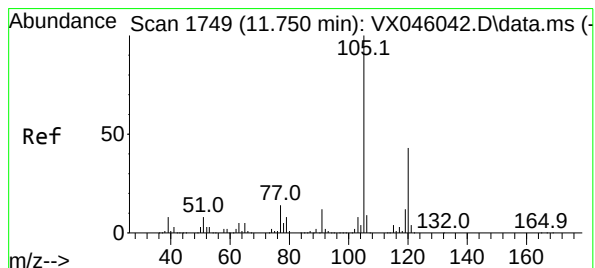
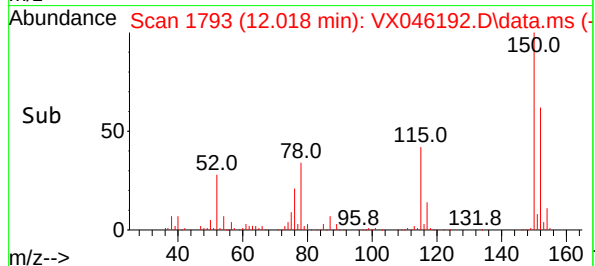
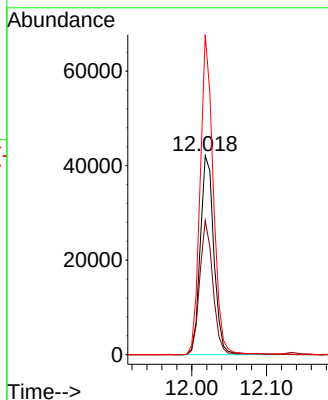
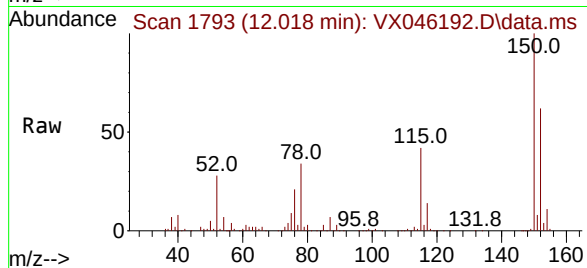




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046192.D
Acq: 14 May 2025 14:22

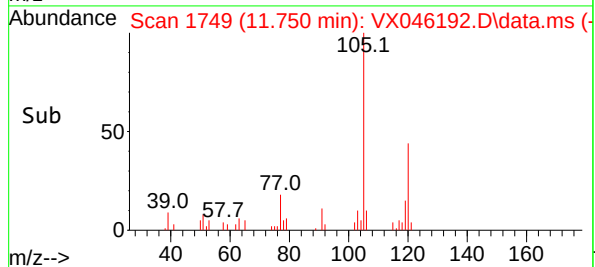
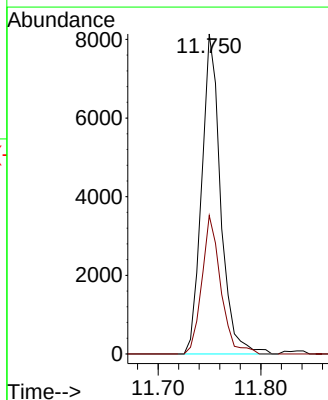
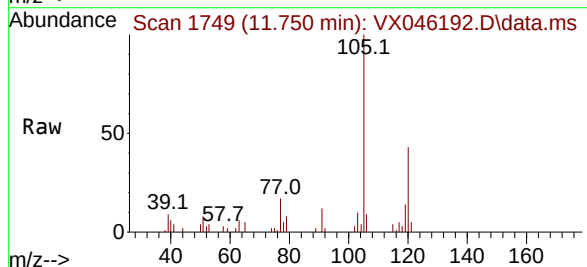
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-07-GDL

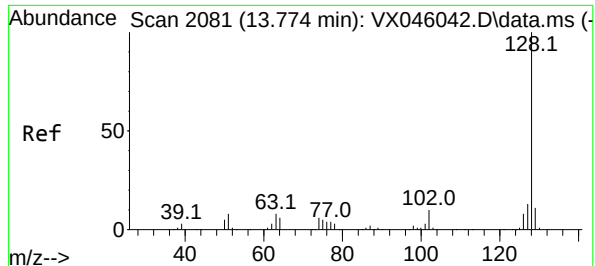
Tgt Ion:152 Resp: 53363
Ion Ratio Lower Upper
152 100
115 65.0 46.9 140.7
150 153.8 0.0 351.0



#84
1,2,4-Trimethylbenzene
Concen: 2.967 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046192.D
Acq: 14 May 2025 14:22

Tgt Ion:105 Resp: 10429
Ion Ratio Lower Upper
105 100
120 43.1 21.2 63.6





#95

Naphthalene

Concen: 203.489 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX046192.D

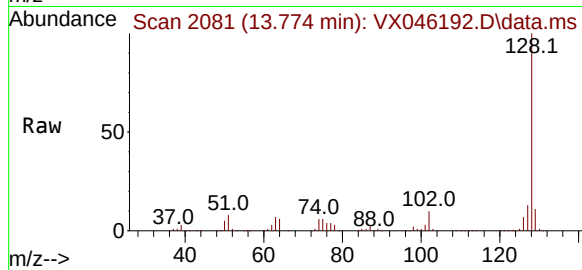
Acq: 14 May 2025 14:22

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-07-GDL



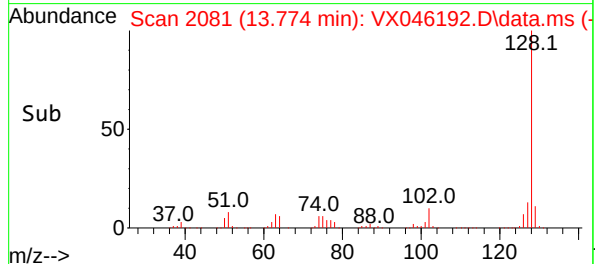
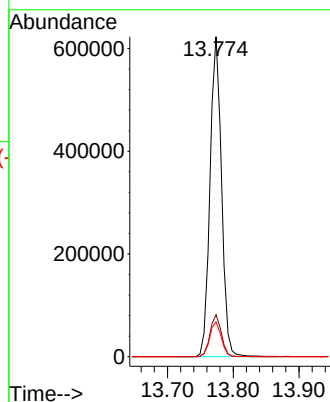
Tgt Ion:128 Resp: 757191

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.0 8.6 13.0





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: ENTA05
 Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG No.: Q2001
 Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025
 Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF020 = VX046041.D		RRF050 = VX046042.D		RRF100 = VX046043.D			
		RRF150 = VX046044.D		RRF005 = VX046046.D		RRF001 = VX046047.D			
COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	RRF	% RSD	
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2	
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9	
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8	
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6	
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3	
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3	
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5	
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3	
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8	
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7	
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6	
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7	
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2	
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4	

* 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 : 82X050525W.M
 Title : SW846 8260
 Last Update : Tue May 06 07:12:22 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX046047.D 5 =VX046046.D 20 =VX046041.D 50 =VX046042.D 100 =VX046043.D 150 =VX046044.D

Compound		1	5	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.658	0.639	0.697	0.864	0.859	0.875	0.765	14.62
3) P	Chloromethane	0.694	0.679	0.727	0.775	0.787	0.791	0.742	6.58
4) C	Vinyl Chloride	0.673	0.619	0.660	0.710	0.727	0.755	0.691	7.17#
5) T	Bromomethane		0.305	0.296	0.326	0.340	0.334	0.320	5.84
6) T	Chloroethane	0.467	0.368	0.354	0.378	0.329	0.317	0.369	14.44
7) T	Trichlorofluor...	1.064	0.990	1.035	1.068	0.983	0.985	1.021	3.92
8) T	Diethyl Ether	0.403	0.311	0.340	0.337	0.338	0.355	0.347	8.83
9) T	1,1,2-Trichlor...	0.633	0.610	0.628	0.641	0.629	0.648	0.632	2.10
10) T	Methyl Iodide		0.608	0.767	0.806	0.793	0.763	0.747	10.68
11) T	Tert butyl alc...		0.114	0.122	0.129	0.144	0.146	0.131	10.45
12) CM	1,1-Dichloroet...	0.594	0.567	0.565	0.601	0.607	0.625	0.593	3.94#
13) T	Acrolein		0.117	0.158	0.152	0.154	0.163	0.149	12.33
14) T	Allyl chloride	1.052	1.058	1.127	1.179	1.187	1.196	1.133	5.75
15) T	Acrylonitrile	0.363	0.345	0.378	0.388	0.381	0.390	0.374	4.52
16) T	Acetone	0.380	0.408	0.361	0.362	0.361	0.370	0.374	4.90
17) T	Carbon Disulfide	1.423	1.141	1.295	1.455	1.522	1.597	1.406	11.68
18) T	Methyl Acetate	1.006	0.816	0.814	0.848	0.845	0.875	0.867	8.27
19) T	Methyl tert-bu...	1.949	1.908	2.044	2.160	2.172	2.239	2.079	6.39
20) T	Methylene Chlo...	0.853	0.689	0.689	0.684	0.691	0.691	0.716	9.39
21) T	trans-1,2-Dich...	0.604	0.557	0.573	0.610	0.612	0.622	0.596	4.27
22) T	Diisopropyl ether	2.095	1.924	2.219	2.278	2.295	2.321	2.189	6.97
23) T	Vinyl Acetate	1.660	1.698	1.928	2.048	2.082	2.134	1.925	10.52
24) P	1,1-Dichloroet...	1.116	1.154	1.233	1.263	1.263	1.286	1.219	5.60
25) T	2-Butanone	0.495	0.539	0.540	0.555	0.558	0.569	0.543	4.77
26) T	2,2-Dichloropr...	0.965	0.850	0.910	0.957	1.003	1.039	0.954	7.03
27) T	cis-1,2-Dichlo...	0.719	0.642	0.716	0.737	0.738	0.755	0.718	5.55
28) T	Bromochloromet...	0.576	0.553	0.628	0.578	0.595	0.590	0.587	4.28
29) T	Tetrahydrofuran	0.318	0.318	0.340	0.350	0.351	0.362	0.340	5.36
30) C	Chloroform	1.265	1.199	1.287	1.296	1.277	1.300	1.271	2.95#
31) T	Cyclohexane		1.059	1.090	1.128	1.128	1.150	1.111	3.26
32) T	1,1,1-Trichlor...	1.015	1.013	1.106	1.131	1.155	1.188	1.101	6.60
33) S	1,2-Dichloroet...		0.935	0.953	0.910	0.930	0.932	0.932	1.65
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.354	0.359	0.355	0.364	0.368	0.360	1.70
36) T	1,1-Dichloropr...	0.493	0.462	0.463	0.495	0.483	0.505	0.484	3.68
37) T	Ethyl Acetate	0.586	0.582	0.569	0.611	0.609	0.631	0.598	3.83
38) T	Carbon Tetrach...	0.541	0.505	0.528	0.558	0.552	0.577	0.544	4.61
39) T	Methylcyclohexane	0.627	0.587	0.596	0.641	0.627	0.658	0.623	4.34
40) TM	Benzene	1.348	1.337	1.426	1.474	1.441	1.477	1.417	4.30
41) T	Methacrylonitrile	0.233	0.288	0.318	0.346	0.343	0.348	0.313	14.50
42) TM	1,2-Dichloroet...	0.579	0.594	0.632	0.627	0.611	0.625	0.612	3.45
43) T	Isopropyl Acetate	0.764	0.826	0.905	0.963	0.982	1.030	0.912	11.05
44) TM	Trichloroethene	0.324	0.315	0.344	0.355	0.345	0.362	0.341	5.28
45) C	1,2-Dichloropr...	0.317	0.324	0.356	0.371	0.368	0.378	0.352	7.37#
46) T	Dibromomethane	0.263	0.262	0.285	0.287	0.280	0.289	0.278	4.35
47) T	Bromodichlorom...	0.485	0.498	0.557	0.577	0.573	0.594	0.547	8.22
48) T	Methyl methacr...	0.370	0.426	0.465	0.502	0.500	0.531	0.466	12.75
49) T	1,4-Dioxane	0.007	0.009	0.009	0.009	0.009	0.010	0.009	8.45
50) S	Toluene-d8		1.221	1.246	1.223	1.266	1.275	1.246	1.95
51) T	4-Methyl-2-Pen...	0.561	0.555	0.620	0.634	0.630	0.631	0.605	6.04
52) CM	Toluene	0.803	0.838	0.884	0.898	0.885	0.904	0.869	4.54#
53) T	t-1,3-Dichloro...	0.371	0.406	0.468	0.528	0.555	0.591	0.487	17.86
54) T	cis-1,3-Dichlo...	0.423	0.469	0.531	0.578	0.602	0.623	0.538	14.61
55) T	1,1,2-Trichlor...	0.308	0.337	0.349	0.354	0.351	0.356	0.343	5.30
56) T	Ethyl methacry...	0.377	0.508	0.540	0.595	0.617	0.639	0.546	17.58

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X050525W.M

57)	T	1,3-Dichloropr...	0.610	0.601	0.618	0.623	0.613	0.627	0.615	1.53
58)	T	2-Chloroethyl ...	0.230	0.247	0.270	0.307	0.303	0.313	0.278	12.41
59)	T	2-Hexanone	0.385	0.414	0.466	0.473	0.477	0.473	0.448	8.69
60)	T	Dibromochlorom...	0.306	0.326	0.378	0.400	0.415	0.431	0.376	13.28
61)	T	1,2-Dibromoethane	0.322	0.333	0.359	0.373	0.368	0.381	0.356	6.54
62)	S	4-Bromofluorob...		0.464	0.455	0.470	0.500	0.500	0.478	4.41
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.347	0.323	0.390	0.375	0.345	0.344	0.354	6.84
65)	PM	Chlorobenzene	1.131	1.046	1.093	1.098	1.085	1.114	1.094	2.65
66)	T	1,1,1,2-Tetrac...	0.369	0.341	0.365	0.390	0.382	0.395	0.374	5.22
67)	C	Ethyl Benzene	1.803	1.816	1.919	2.022	1.979	2.036	1.929	5.24#
68)	T	m/p-Xylenes	0.648	0.678	0.706	0.740	0.721	0.740	0.706	5.21
69)	T	o-Xylene	0.642	0.639	0.688	0.727	0.706	0.726	0.688	5.75
70)	T	Styrene	0.951	1.012	1.135	1.219	1.214	1.230	1.127	10.56
71)	P	Bromoform	0.234	0.236	0.270	0.304	0.312	0.327	0.281	14.17
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.789	3.562	3.843	4.130	3.876	4.156	3.893	5.72
74)	T	N-amyl acetate	1.715	1.652	1.846	2.067	2.068	2.192	1.924	11.32
75)	P	1,1,2,2-Tetrac...	1.552	1.350	1.315	1.338	1.284	1.345	1.364	6.97
76)	T	1,2,3-Trichlor...	1.405	1.167	1.151	1.187	1.131	1.181	1.204	8.36
77)	T	Bromobenzene	0.926	0.862	0.896	0.928	0.883	0.928	0.904	3.08
78)	T	n-propylbenzene	4.272	4.186	4.394	4.854	4.583	4.868	4.526	6.45
79)	T	2-Chlorotoluene	3.184	2.748	2.832	2.994	2.805	2.953	2.919	5.45
80)	T	1,3,5-Trimethy...	3.036	3.053	3.275	3.487	3.255	3.405	3.252	5.60
81)	T	trans-1,4-Dich...		0.269	0.335	0.385	0.410	0.449	0.370	18.91
82)	T	4-Chlorotoluene	3.226	2.939	3.196	3.430	3.255	3.379	3.238	5.32
83)	T	tert-Butylbenzene	3.341	3.098	3.115	3.435	3.255	3.411	3.276	4.44
84)	T	1,2,4-Trimethy...	3.150	3.034	3.274	3.522	3.335	3.444	3.293	5.52
85)	T	sec-Butylbenzene	3.708	3.767	3.937	4.282	4.095	4.343	4.022	6.55
86)	T	p-Isopropyltol...	3.025	3.084	3.206	3.555	3.450	3.599	3.320	7.44
87)	T	1,3-Dichlorobe...	1.619	1.558	1.633	1.701	1.656	1.729	1.649	3.71
88)	T	1,4-Dichlorobe...	1.817	1.606	1.629	1.693	1.639	1.722	1.684	4.64
89)	T	n-Butylbenzene	2.443	2.650	2.748	3.147	3.139	3.346	2.912	12.00
90)	T	Hexachloroethane	0.511	0.523	0.551	0.622	0.622	0.680	0.585	11.44
91)	T	1,2-Dichlorobe...	1.710	1.577	1.613	1.696	1.634	1.702	1.655	3.34
92)	T	1,2-Dibromo-3-...	0.259	0.248	0.299	0.322	0.329	0.356	0.302	13.89
93)	T	1,2,4-Trichlor...	0.862	0.842	0.861	0.981	1.035	1.123	0.951	12.03
94)	T	Hexachlorobuta...	0.393	0.414	0.394	0.427	0.418	0.445	0.415	4.79
95)	T	Naphthalene	3.499	2.929	3.204	3.613	3.690	3.984	3.487	10.69
96)	T	1,2,3-Trichlor...	0.941	0.846	0.921	1.019	1.051	1.107	0.981	9.74

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046041.D
 Acq On : 05 May 2025 11:35
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	83671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	31909	12.820	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	25.640%#		
35) Dibromofluoromethane	5.385	113	21112	12.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	25.600%#		
50) Toluene-d8	8.646	98	73333	13.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	26.400%#		
62) 4-Bromofluorobenzene	11.079	95	26760	13.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	26.480%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	23341	12.638	ug/l	96
3) Chloromethane	1.306	50	24316	13.371	ug/l	98
4) Vinyl Chloride	1.373	62	22096	13.868	ug/l	94
5) Bromomethane	1.593	94	9920	12.279	ug/l	93
6) Chloroethane	1.666	64	11832	14.414	ug/l	95
7) Trichlorofluoromethane	1.873	101	34636	14.271	ug/l	100
8) Diethyl Ether	2.129	74	11392	14.278	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.324	101	21027	14.499	ug/l	98
10) Methyl Iodide	2.446	142	25661	15.070	ug/l	99
11) Tert butyl alcohol	2.971	59	20370	68.662	ug/l	97
12) 1,1-Dichloroethene	2.312	96	18899	13.385	ug/l	98
13) Acrolein	2.233	56	26427	76.689	ug/l	95
14) Allyl chloride	2.660	41	37708	14.133	ug/l	99
15) Acrylonitrile	3.062	53	63290	71.312	ug/l	98
16) Acetone	2.379	43	60363	70.884	ug/l	99
17) Carbon Disulfide	2.501	76	43348	13.251	ug/l	100
18) Methyl Acetate	2.702	43	27234	13.397	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	68402	13.890	ug/l	100
20) Methylene Chloride	2.782	84	23050	13.362	ug/l	96
21) trans-1,2-Dichloroethene	3.086	96	19161	13.294	ug/l	96
22) Diisopropyl ether	3.763	45	74257	14.896	ug/l	95
23) Vinyl Acetate	3.720	43	322598	73.230	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41257	14.082	ug/l	98
25) 2-Butanone	4.556	43	90331	73.489	ug/l	98
26) 2,2-Dichloropropane	4.470	77	30472	13.729	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	23970	13.791	ug/l	98
28) Bromochloromethane	4.897	49	21028	13.497	ug/l	99
29) Tetrahydrofuran	5.007	42	56819	71.175	ug/l	100
30) Chloroform	5.086	83	43065	14.144	ug/l	95
31) Cyclohexane	5.458	56	36470	14.769	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	37003	14.092	ug/l	98
36) 1,1-Dichloropropene	5.684	75	27242	14.231	ug/l	98
37) Ethyl Acetate	4.720	43	33458	13.931	ug/l	98
38) Carbon Tetrachloride	5.671	117	31091	14.137	ug/l	98
39) Methylcyclohexane	7.372	83	35077	14.623	ug/l	99
40) Benzene	6.031	78	83898	14.140	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046041.D
 Acq On : 05 May 2025 11:35
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	18732	14.038	ug/l	95
42) 1,2-Dichloroethane	6.080	62	37203	15.165	ug/l	100
43) Isopropyl Acetate	6.342	43	53275	14.512	ug/l	99
44) Trichloroethene	7.116	130	20239	14.429	ug/l	99
45) 1,2-Dichloropropane	7.427	63	20940	14.204	ug/l	98
46) Dibromomethane	7.580	93	16781	14.439	ug/l	99
47) Bromodichloromethane	7.817	83	32762	14.545	ug/l	94
48) Methyl methacrylate	7.689	41	27374	14.521	ug/l	100
49) 1,4-Dioxane	7.659	88	10585	282.442	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	182455	75.775	ug/l	98
52) Toluene	8.713	92	52030	14.788	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	27549	14.566	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	31226	14.154	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	20536	14.442	ug/l	96
56) Ethyl methacrylate	9.116	69	31787	14.425	ug/l	98
57) 1,3-Dichloropropane	9.305	76	36341	14.417	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	79531	80.312	ug/l	100
59) 2-Hexanone	9.427	43	137054	74.997	ug/l	99
60) Dibromochloromethane	9.518	129	22267	14.387	ug/l	99
61) 1,2-Dibromoethane	9.610	107	21113	14.458	ug/l	96
64) Tetrachloroethene	9.268	164	19924	15.263	ug/l	97
65) Chlorobenzene	10.079	112	55863	14.202	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	18671	14.231	ug/l	98
67) Ethyl Benzene	10.189	91	98113	14.631	ug/l	100
68) m/p-Xylenes	10.299	106	72202	29.806	ug/l	99
69) o-Xylene	10.640	106	35178	14.408	ug/l	96
70) Styrene	10.652	104	58034	14.853	ug/l	98
71) Bromoform	10.799	173	13825	14.030	ug/l #	100
73) Isopropylbenzene	10.957	105	93013	14.096	ug/l	99
74) N-amyl acetate	10.841	43	44684	13.581	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	31830	13.560	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	27845m	11.039	ug/l	
77) Bromobenzene	11.195	156	21695	14.212	ug/l	96
78) n-propylbenzene	11.298	91	106337	14.376	ug/l	99
79) 2-Chlorotoluene	11.359	91	68534	13.748	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	79261	14.468	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8104	13.371	ug/l	91
82) 4-Chlorotoluene	11.451	91	77338	14.116	ug/l	100
83) tert-Butylbenzene	11.713	119	75382	14.011	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	79232	14.480	ug/l	99
85) sec-Butylbenzene	11.890	105	95271	14.263	ug/l	100
86) p-Isopropyltoluene	12.006	119	77599	14.387	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	39520	13.898	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	39419	14.146	ug/l	99
89) n-Butylbenzene	12.329	91	66506	14.184	ug/l	99
90) Hexachloroethane	12.536	117	13332	13.287	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	39031	14.092	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7232	13.535	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	20846	13.745	ug/l	99
94) Hexachlorobutadiene	13.725	225	9524	13.426	ug/l	97
95) Naphthalene	13.774	128	77542	14.040	ug/l	99
96) 1,2,3-Trichlorobenzene	13.956	180	22301	14.023	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

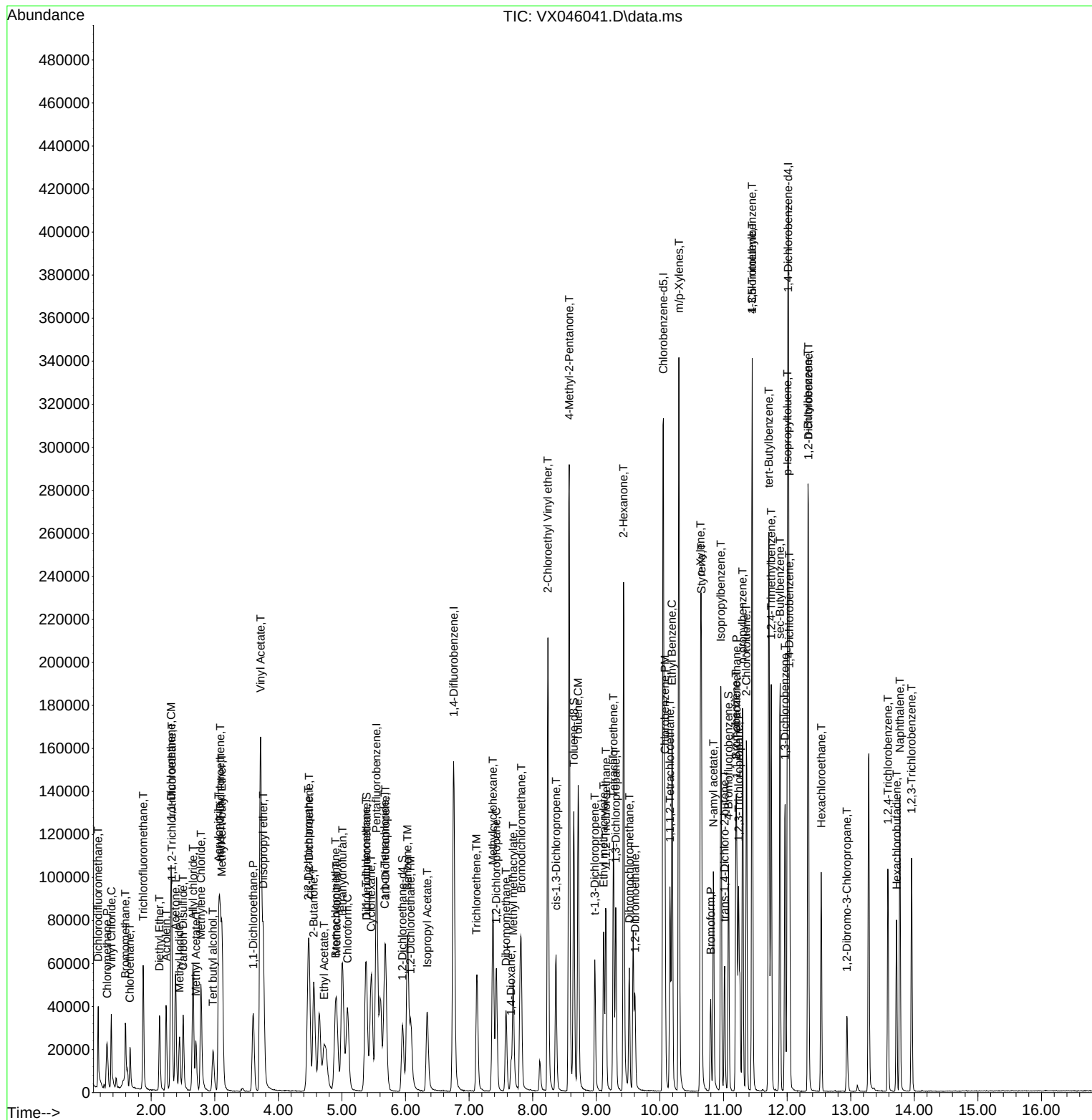
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

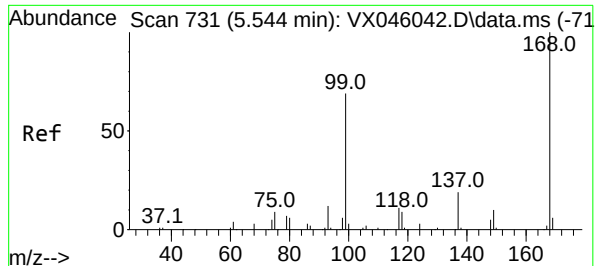
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025





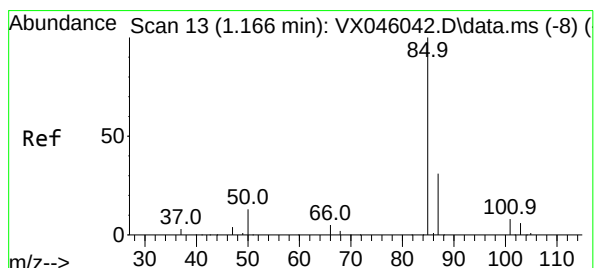
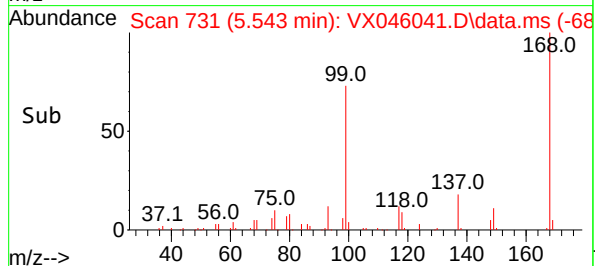
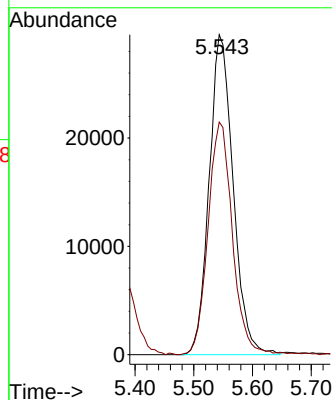
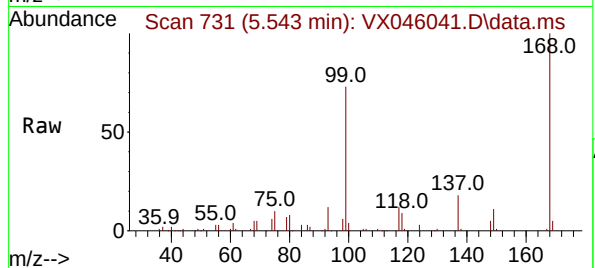
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:168 Resp: 8367
Ion Ratio Lower Upper
168 100
99 72.7 54.9 82.3

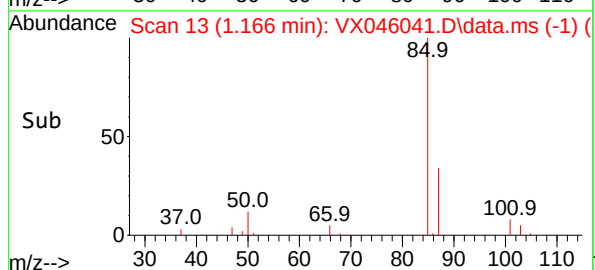
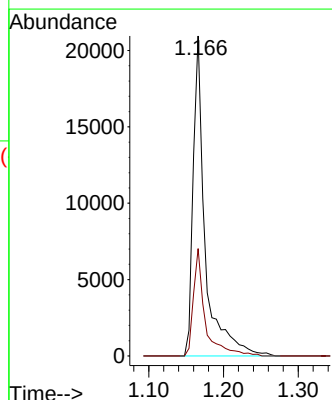
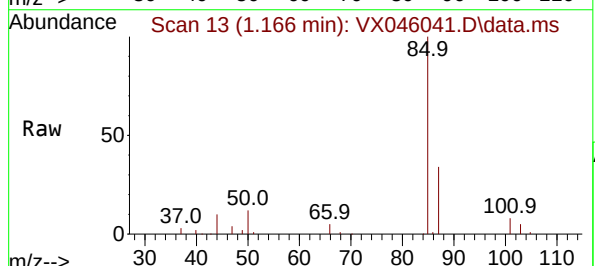
Manual Integrations
APPROVED

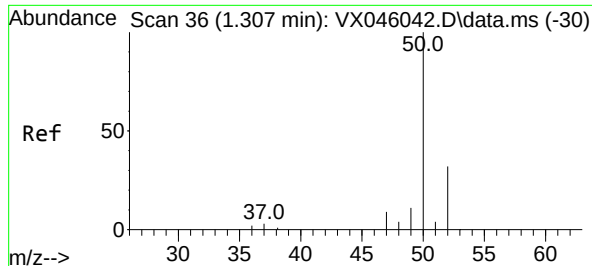
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#2
Dichlorodifluoromethane
Concen: 12.638 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 85 Resp: 23341
Ion Ratio Lower Upper
85 100
87 33.5 15.7 47.1





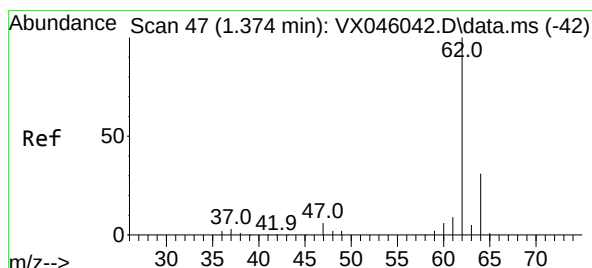
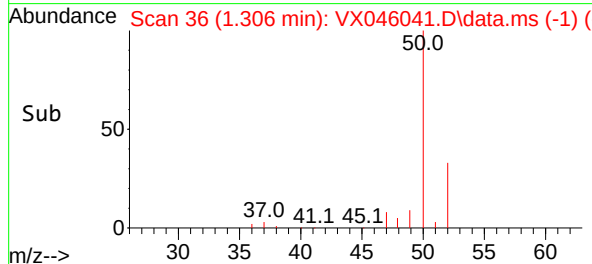
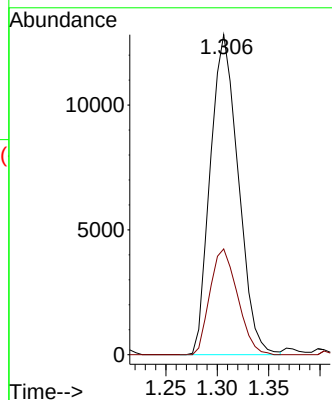
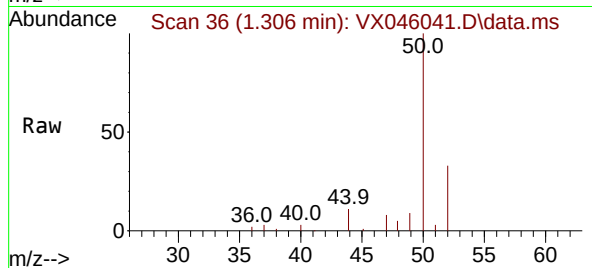
#3
Chloromethane
Concen: 13.371 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 24310
Ion Ratio Lower Upper
50 100
52 33.0 25.4 38.2

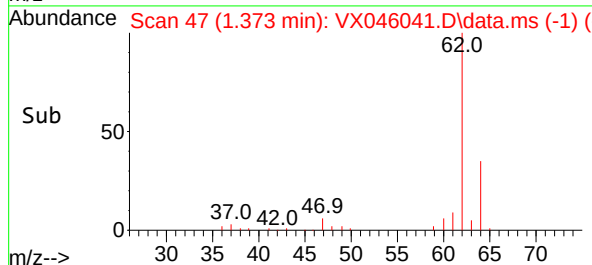
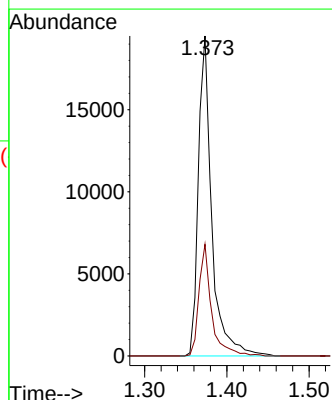
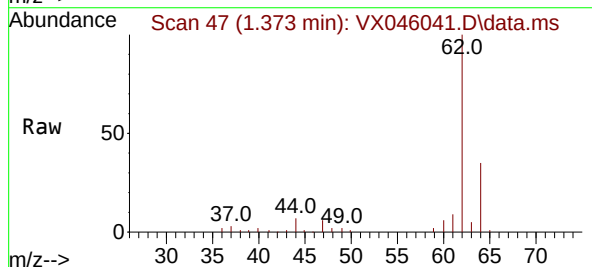
Manual Integrations
APPROVED

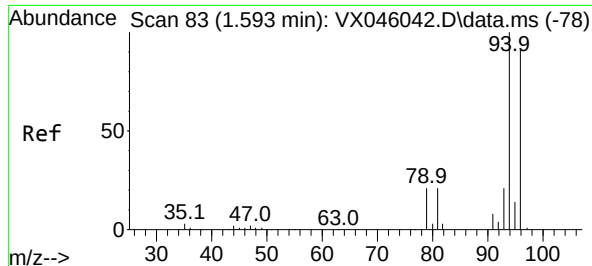
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#4
Vinyl Chloride
Concen: 13.868 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

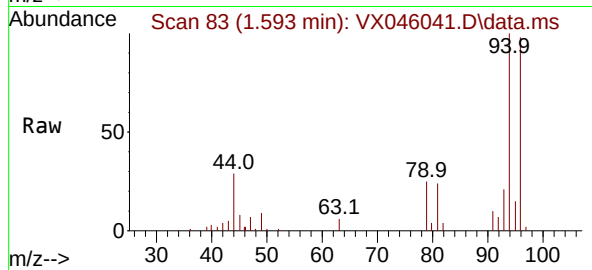
Tgt Ion: 62 Resp: 22096
Ion Ratio Lower Upper
62 100
64 34.9 25.2 37.8





#5
Bromomethane
Concen: 12.279 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

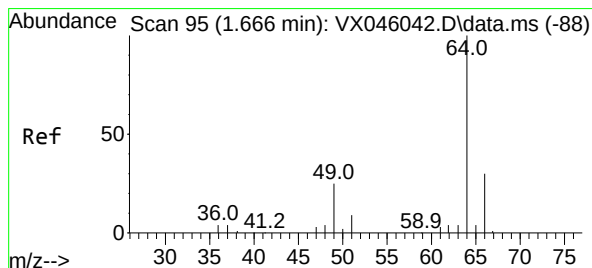
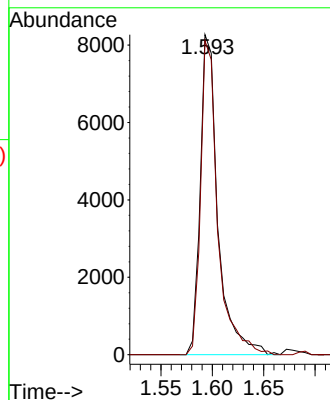
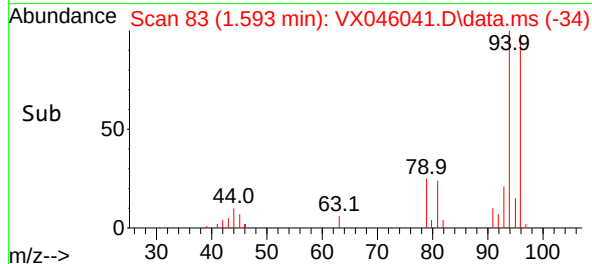
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 94 Resp: 9920
Ion Ratio Lower Upper
94 100
96 98.1 72.8 109.2

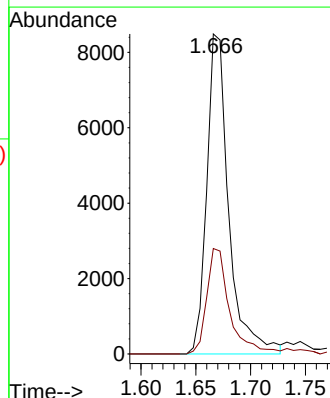
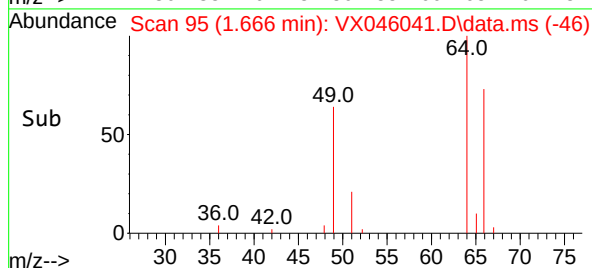
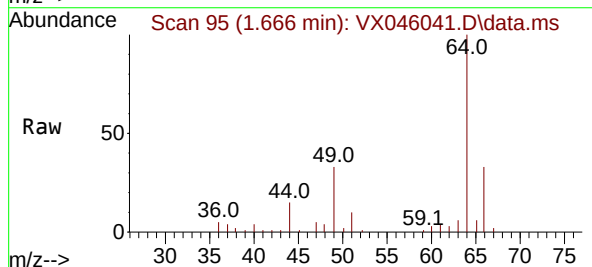
Manual Integrations
APPROVED

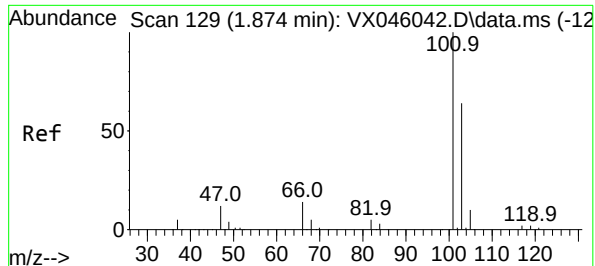
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#6
Chloroethane
Concen: 14.414 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

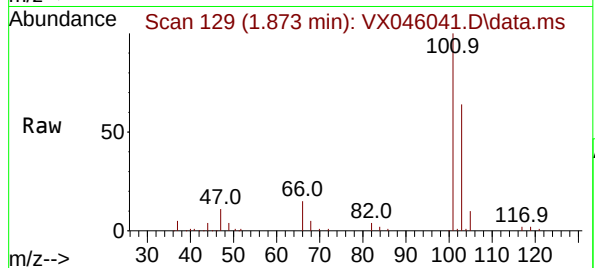
Tgt Ion: 64 Resp: 11832
Ion Ratio Lower Upper
64 100
66 32.9 24.3 36.5





#7
Trichlorofluoromethane
Concen: 14.271 ug/l
RT: 1.873 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

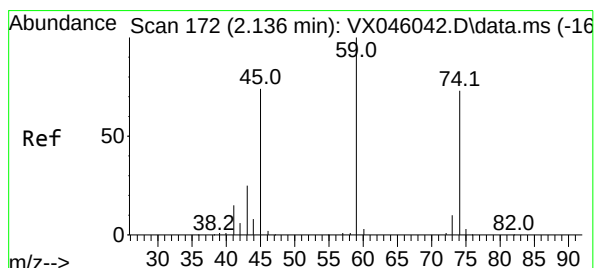
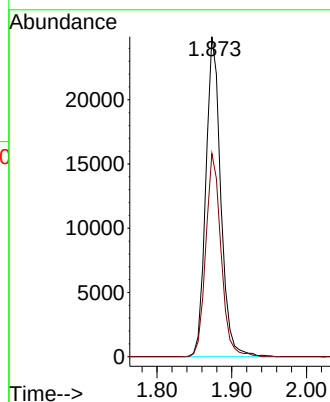
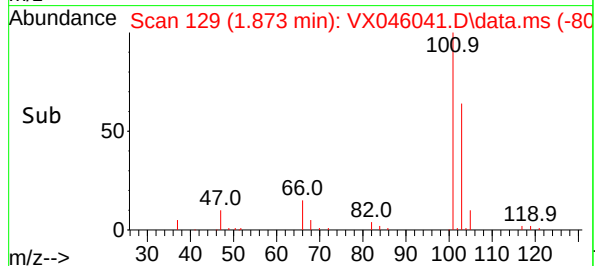
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion:101 Resp: 34630
Ion Ratio Lower Upper
101 100
103 63.5 51.0 76.4

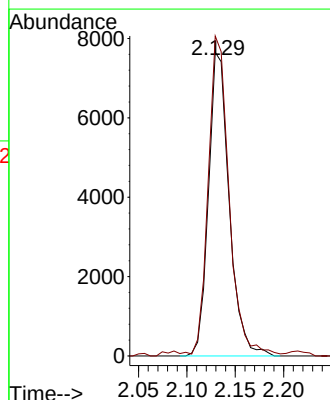
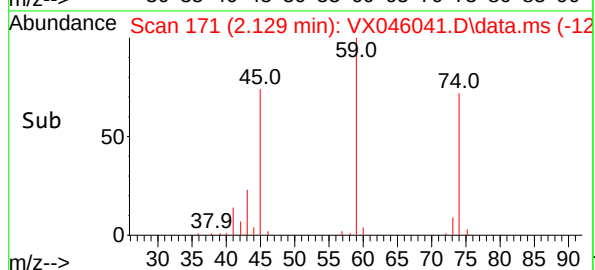
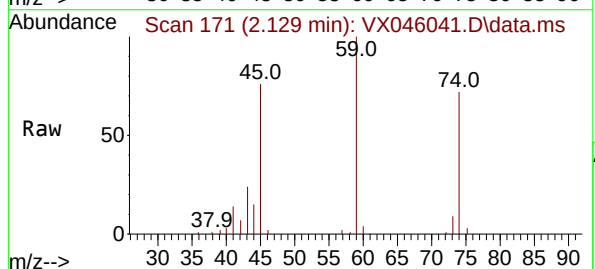
Manual Integrations
APPROVED

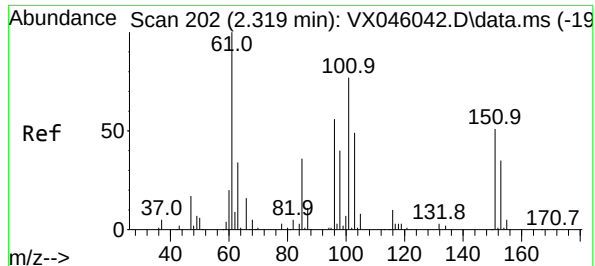
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#8
Diethyl Ether
Concen: 14.278 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 74 Resp: 11392
Ion Ratio Lower Upper
74 100
45 103.7 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.499 ug/l

RT: 2.324 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

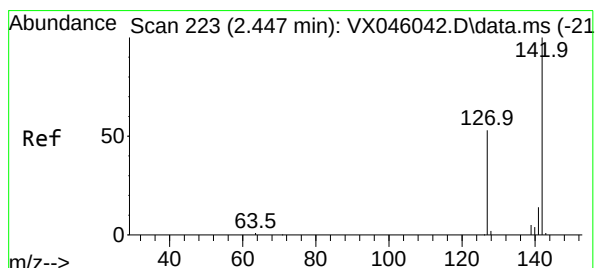
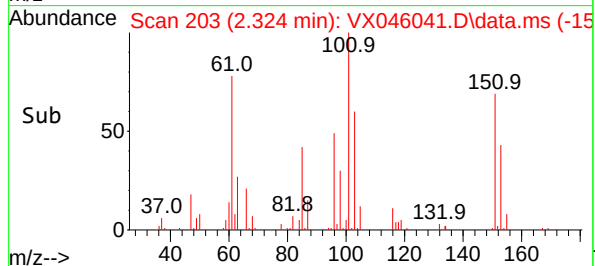
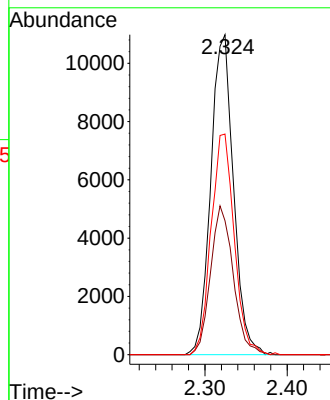
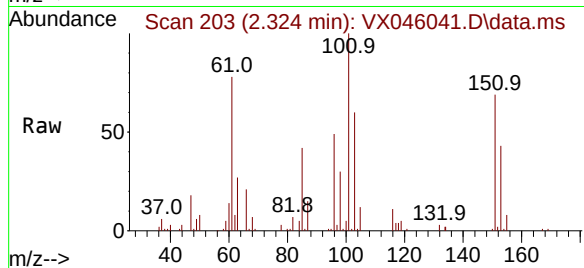
Tgt Ion:	101	Resp:	2102
Ion	Ratio	Lower	Upper
101	100		
85	46.6	38.6	58.0
151	70.4	55.2	82.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#10

Methyl Iodide

Concen: 15.070 ug/l

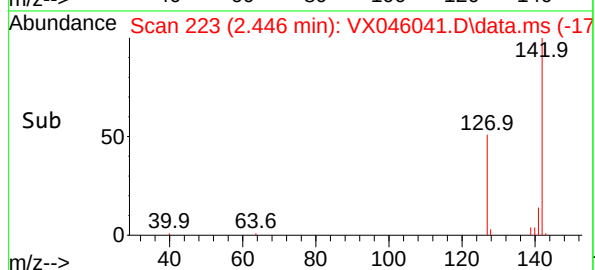
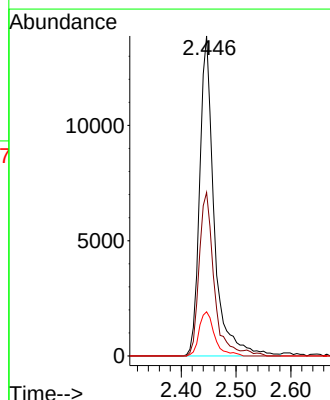
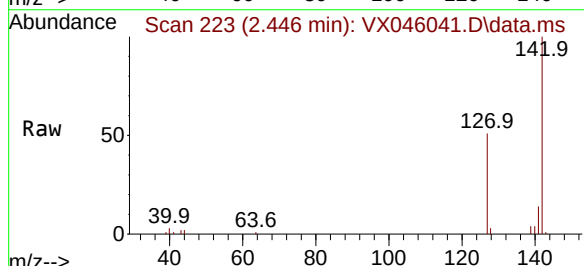
RT: 2.446 min Scan# 223

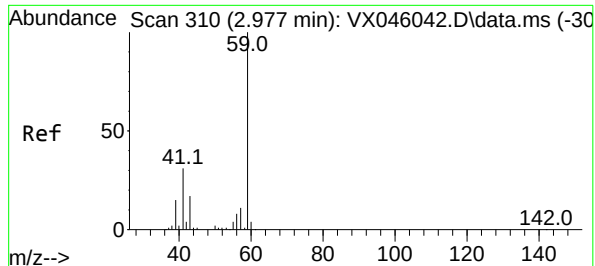
Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Tgt Ion:	142	Resp:	25661
Ion	Ratio	Lower	Upper
142	100		
127	53.0	41.7	62.5
141	14.7	11.5	17.3





#11

Tert butyl alcohol

Concen: 68.662 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 59 Resp: 20370

Ion Ratio Lower Upper

59 100

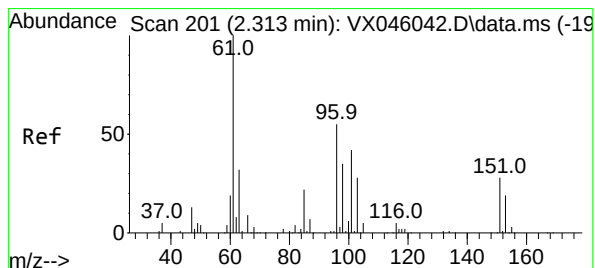
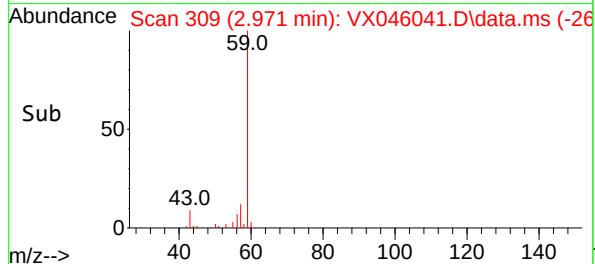
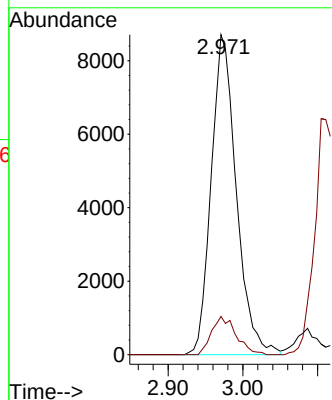
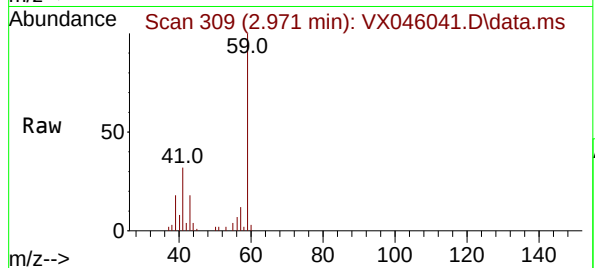
57 11.7 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#12

1,1-Dichloroethene

Concen: 13.385 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

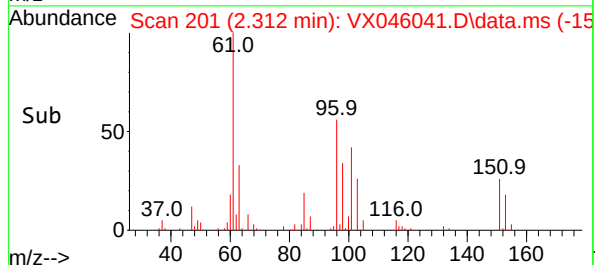
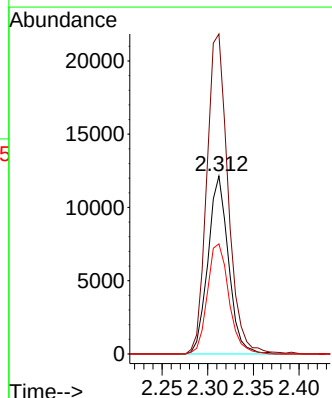
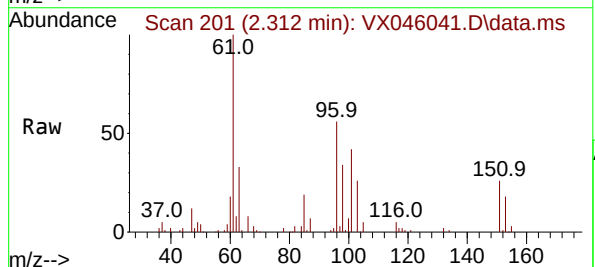
Tgt Ion: 96 Resp: 18899

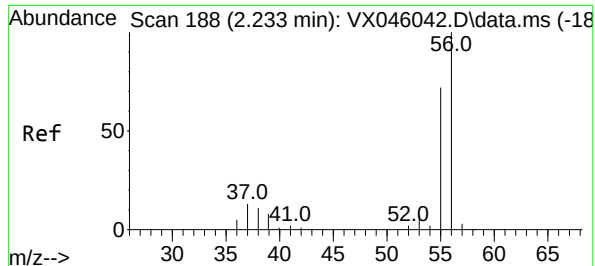
Ion Ratio Lower Upper

96 100

61 179.8 146.2 219.2

98 61.8 51.0 76.6





#13

Acrolein

Concen: 76.689 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 2642

Ion Ratio Lower Upper

56 100

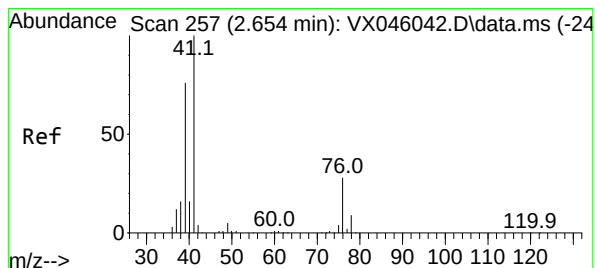
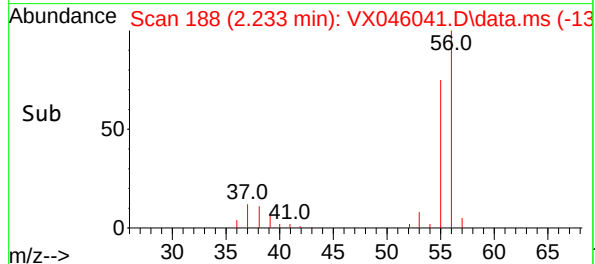
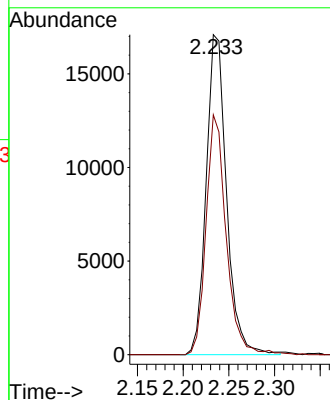
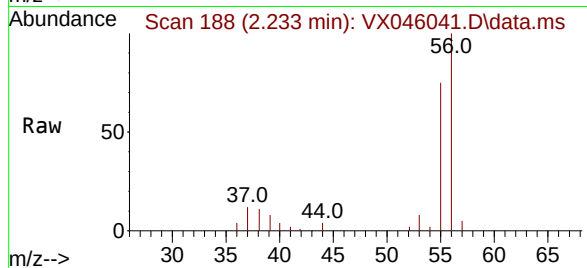
55 74.3 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#14

Allyl chloride

Concen: 14.133 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

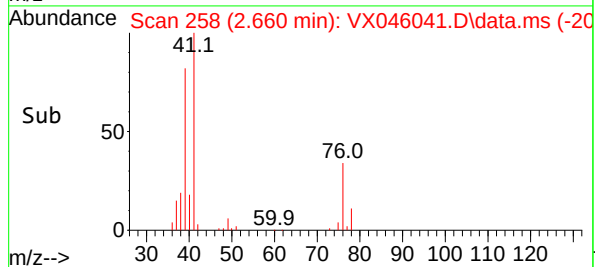
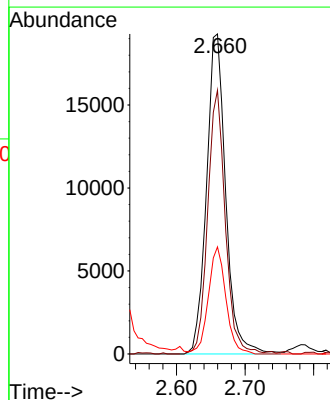
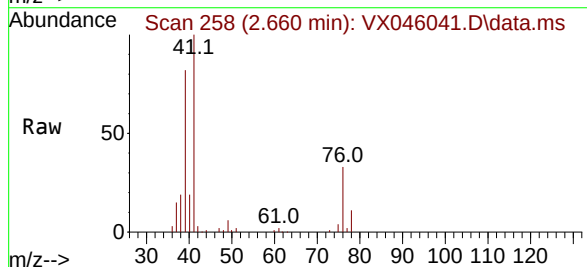
Tgt Ion: 41 Resp: 37708

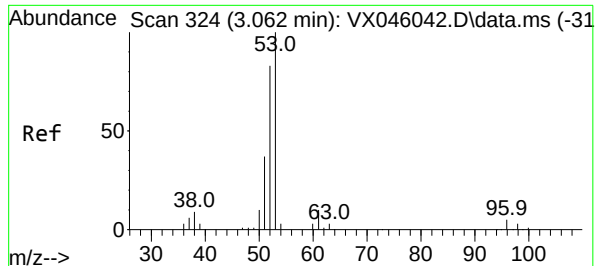
Ion Ratio Lower Upper

41 100

39 75.0 60.6 90.8

76 30.6 24.9 37.3





#15

Acrylonitrile

Concen: 71.312 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

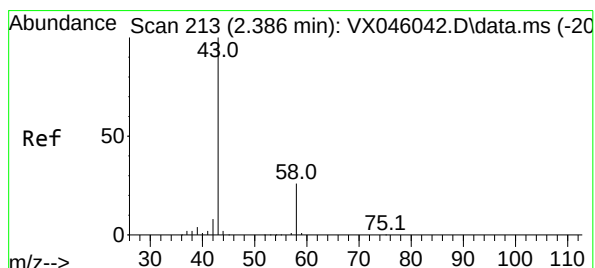
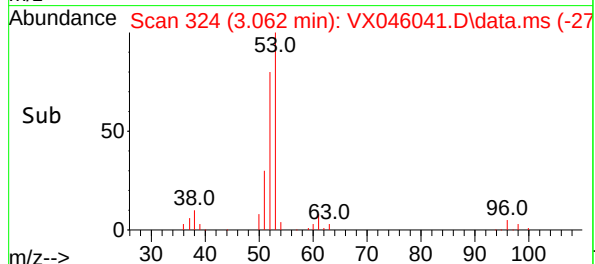
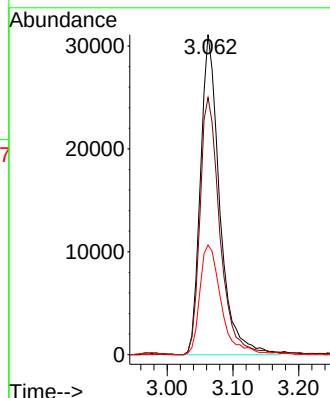
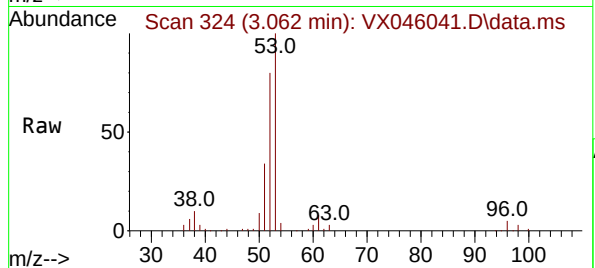
Tgt Ion:	53	Resp:	63290
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.3	97.9
51	38.4	29.8	44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#16

Acetone

Concen: 70.884 ug/l

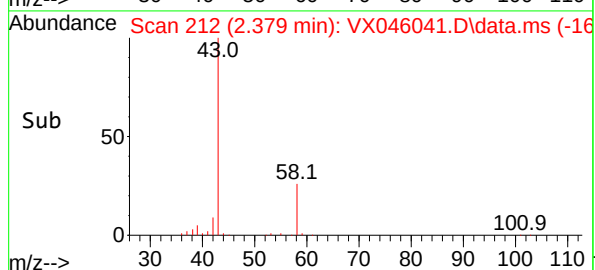
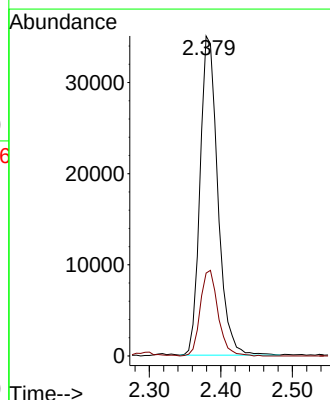
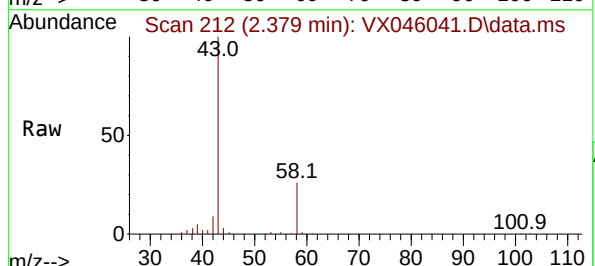
RT: 2.379 min Scan# 212

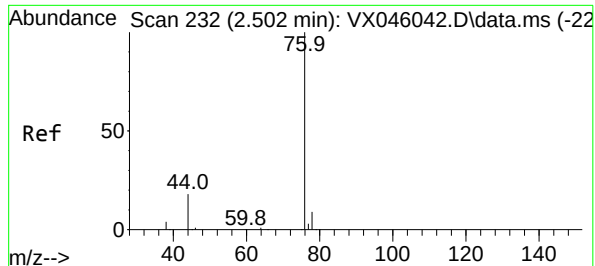
Delta R.T. -0.006 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Tgt Ion:	43	Resp:	60363
Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.2	31.8





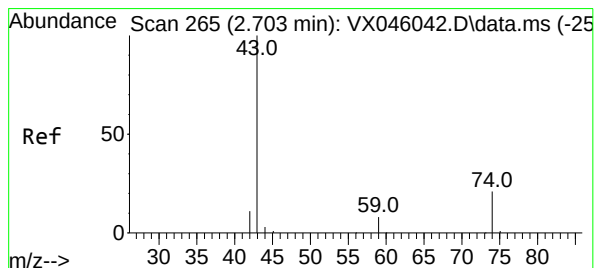
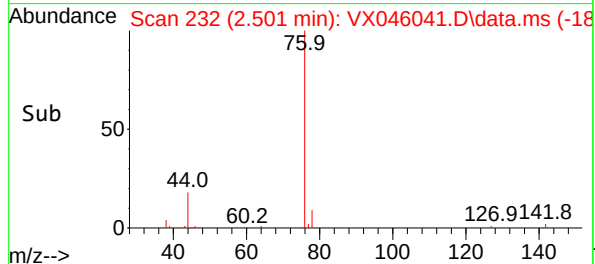
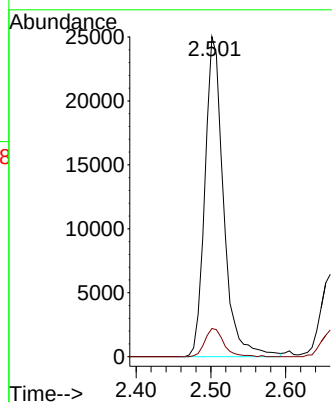
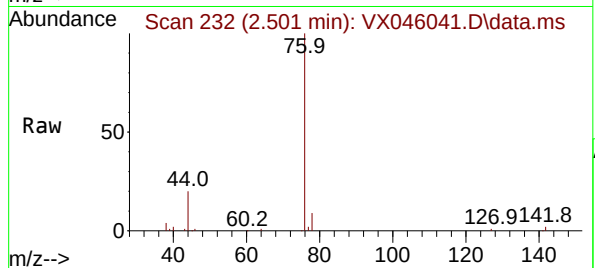
#17
Carbon Disulfide
Concen: 13.251 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 76 Resp: 4334
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4

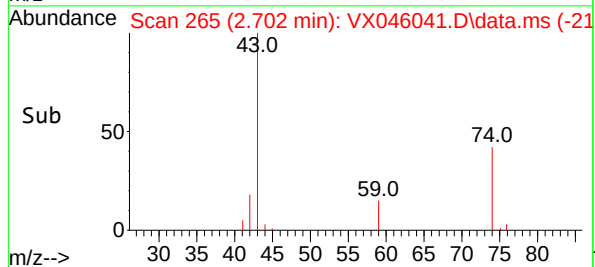
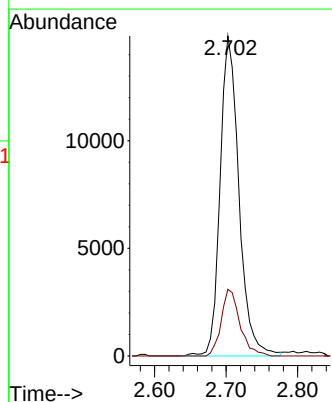
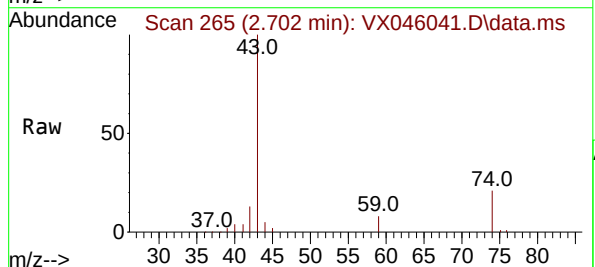
Manual Integrations
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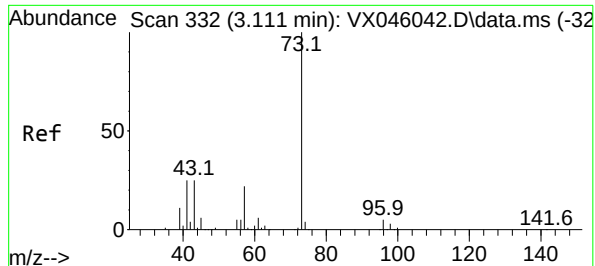
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#18
Methyl Acetate
Concen: 13.397 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 27234
Ion Ratio Lower Upper
43 100
74 20.7 16.7 25.1





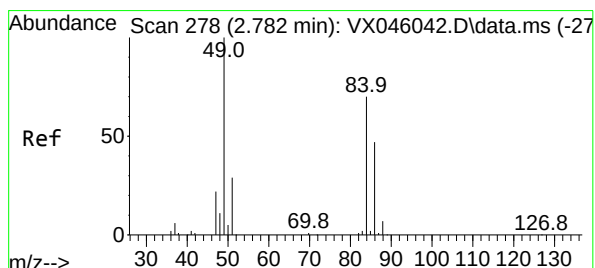
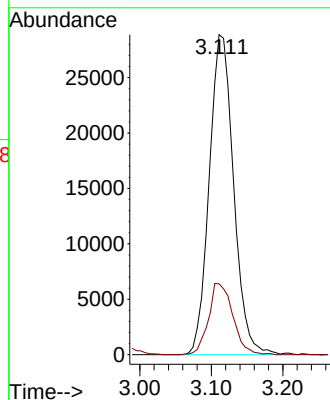
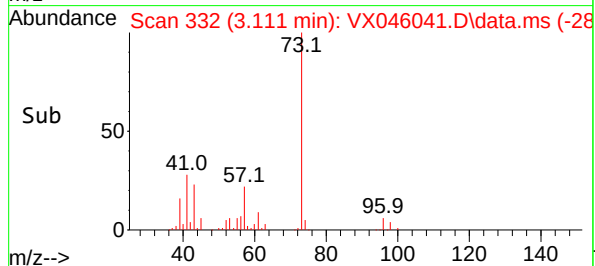
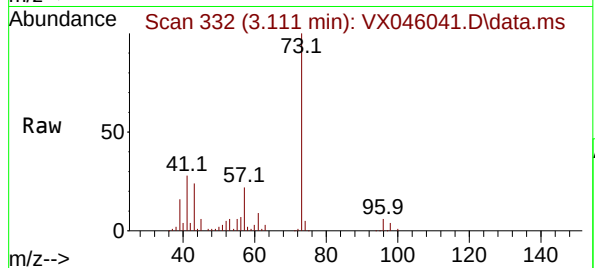
#19
Methyl tert-butyl Ether
Concen: 13.890 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 6840
Ion Ratio Lower Upper
73 100
57 22.2 17.7 26.5

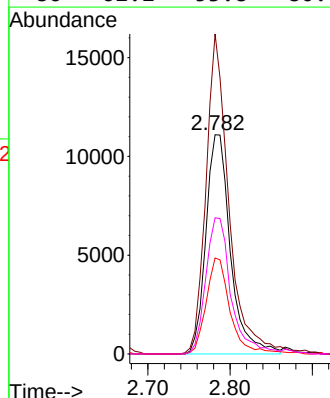
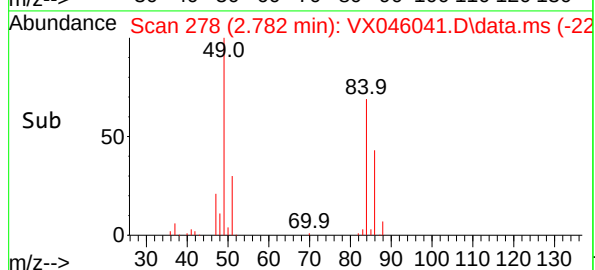
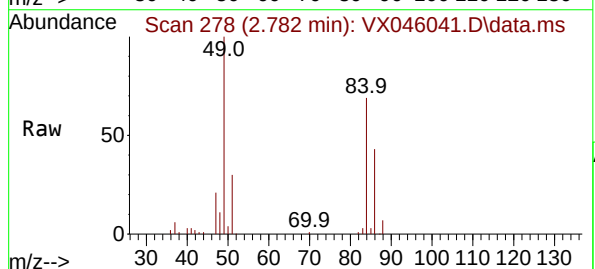
Manual Integrations
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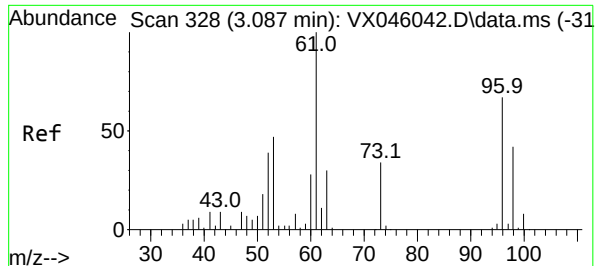
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#20
Methylene Chloride
Concen: 13.362 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

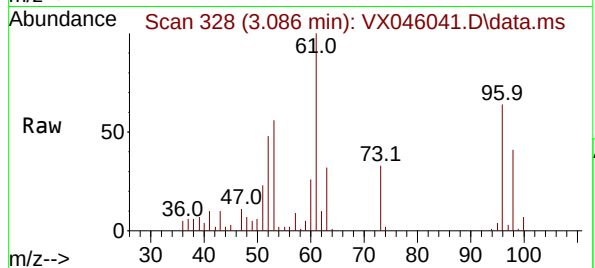
Tgt Ion: 84 Resp: 23050
Ion Ratio Lower Upper
84 100
49 146.0 113.9 170.9
51 43.8 33.5 50.3
86 62.2 53.8 80.8





#21
trans-1,2-Dichloroethene
Concen: 13.294 ug/l
RT: 3.086 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

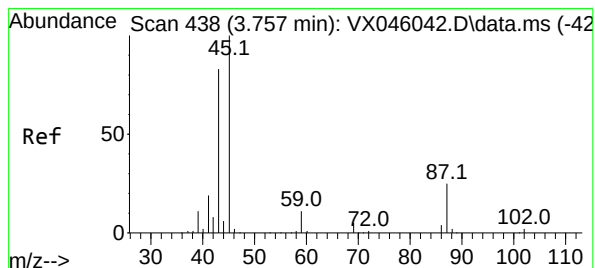
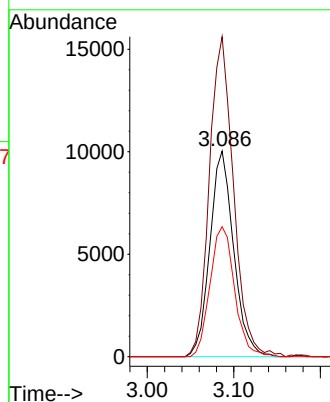
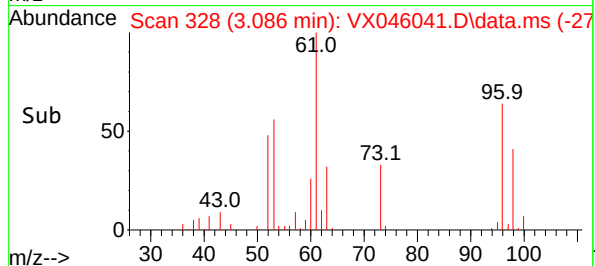
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 1916
Ion Ratio Lower Upper
96 100
61 155.6 119.5 179.3
98 63.2 50.0 75.0

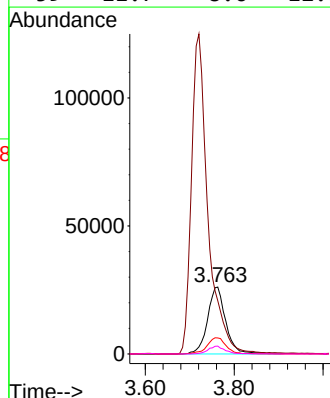
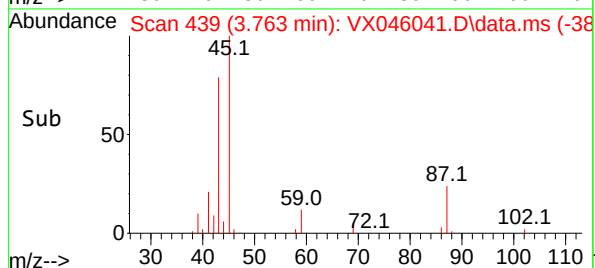
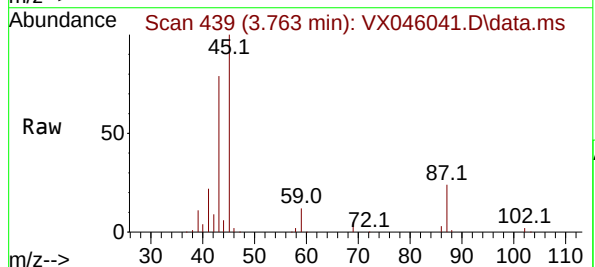
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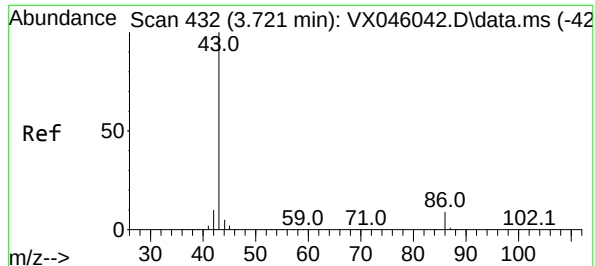
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#22
Diisopropyl ether
Concen: 14.896 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 45 Resp: 74257
Ion Ratio Lower Upper
45 100
43 78.2 66.6 100.0
87 24.0 19.8 29.6
59 11.7 8.6 12.8





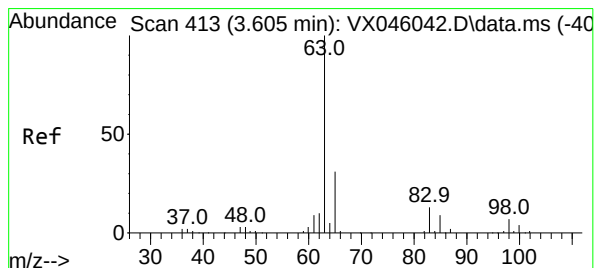
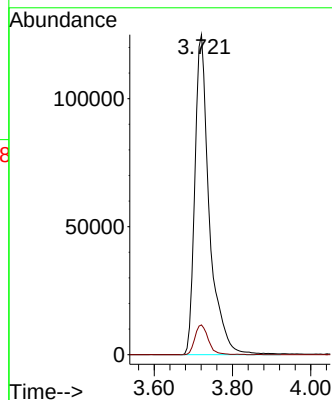
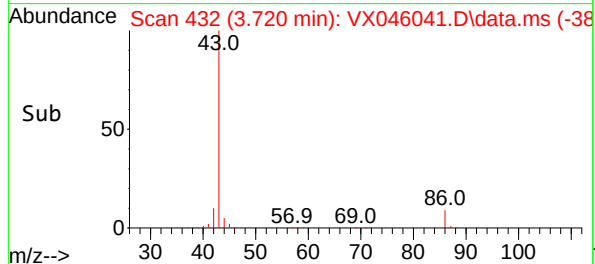
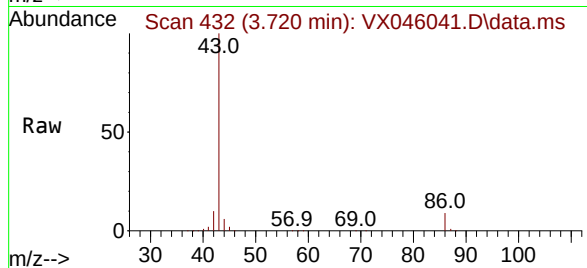
#23
Vinyl Acetate
Concen: 73.230 ug/l
RT: 3.720 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 322598
Ion Ratio Lower Upper
43 100
86 9.3 7.5 11.3

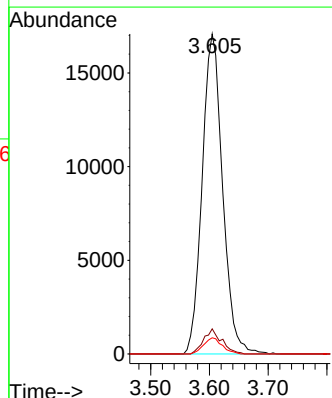
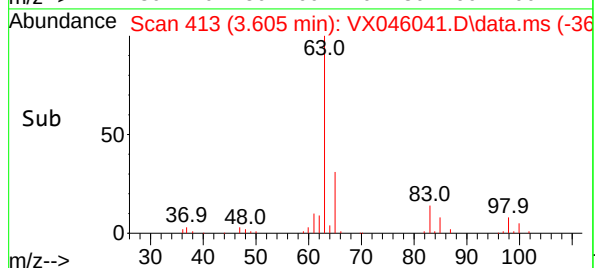
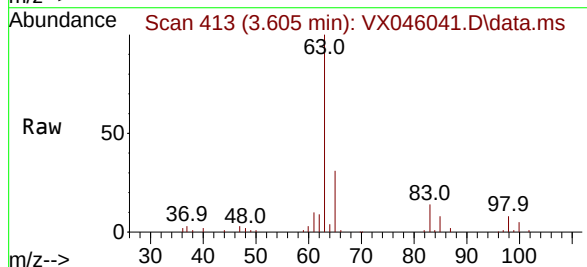
Manual Integrations
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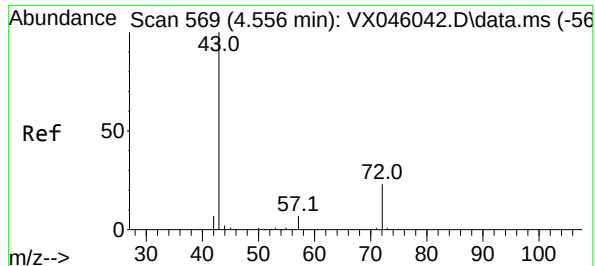
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#24
1,1-Dichloroethane
Concen: 14.082 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 41257
Ion Ratio Lower Upper
63 100
98 7.9 3.6 10.8
100 5.0 2.1 6.3





#25

2-Butanone

Concen: 73.489 ug/l

RT: 4.556 min Scan# 569

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 9033

Ion Ratio Lower Upper

43 100

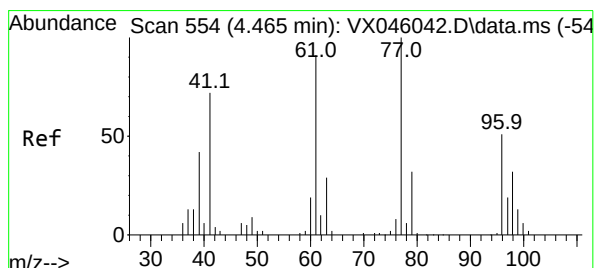
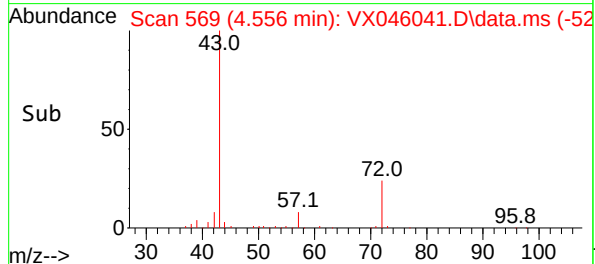
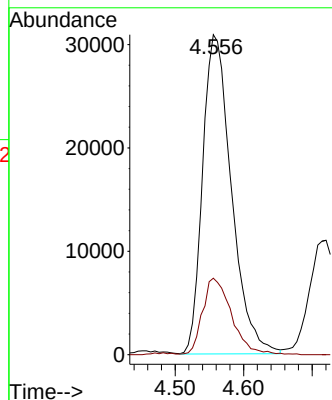
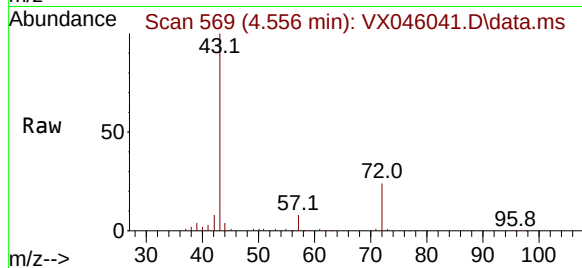
72 23.8 18.4 27.6

Manual Integrations

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#26

2,2-Dichloropropane

Concen: 13.729 ug/l

RT: 4.470 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX046041.D

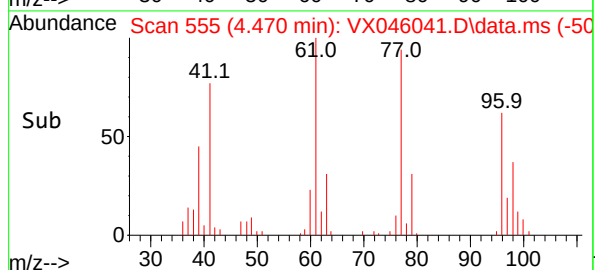
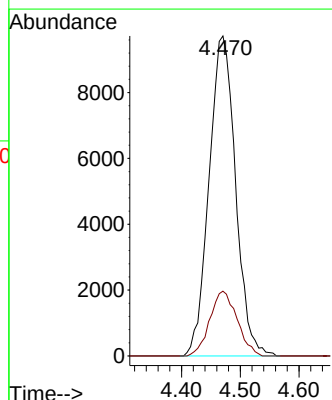
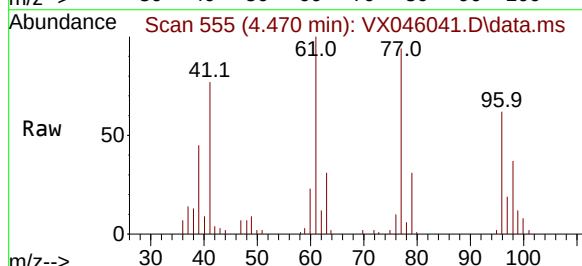
Acq: 05 May 2025 11:35

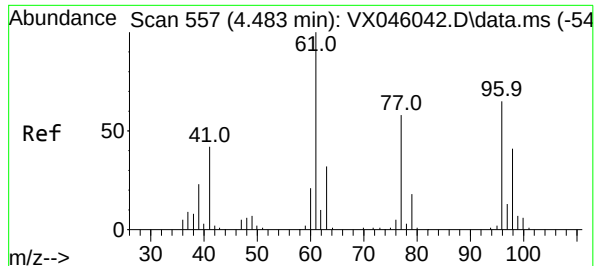
Tgt Ion: 77 Resp: 30472

Ion Ratio Lower Upper

77 100

97 20.9 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 13.791 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 23970

Ion Ratio Lower Upper

96 100

61 158.3 0.0 322.8

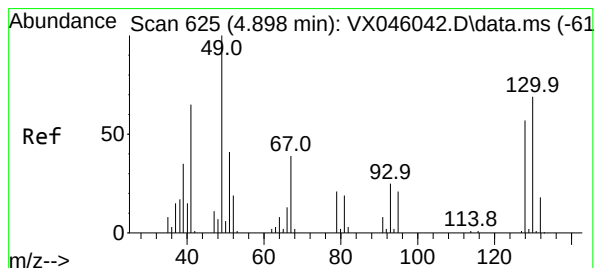
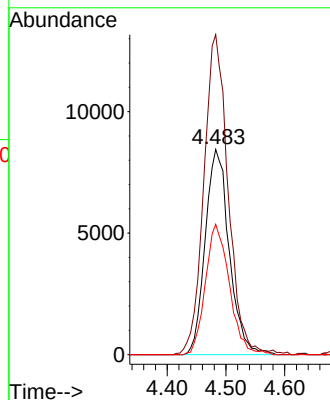
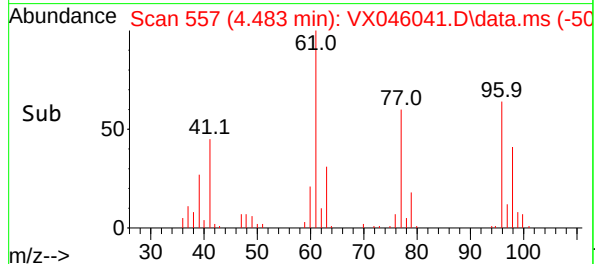
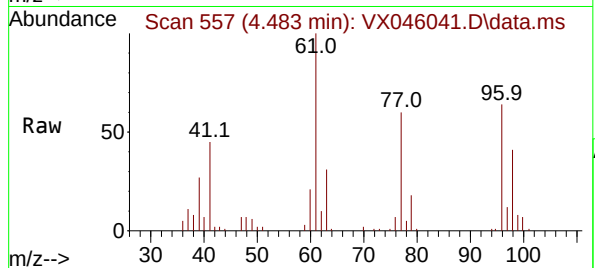
98 63.5 0.0 129.0

Manual Integrations

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#28

Bromochloromethane

Concen: 13.497 ug/l

RT: 4.897 min Scan# 625

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

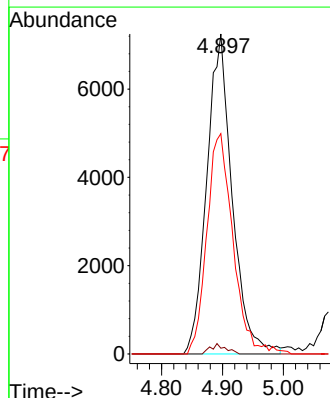
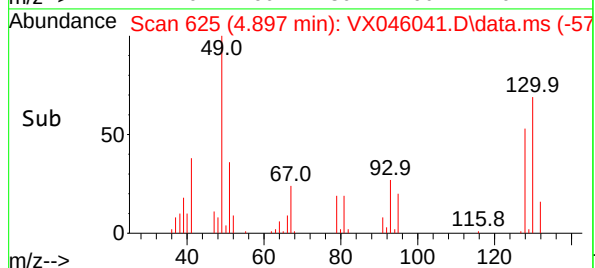
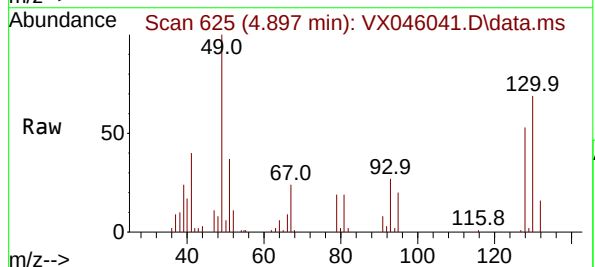
Tgt Ion: 49 Resp: 21028

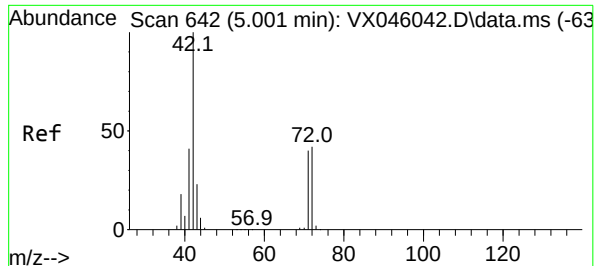
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

130 70.9 56.2 84.2





#29

Tetrahydrofuran

Concen: 71.175 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 42 Resp: 56819

Ion Ratio Lower Upper

42 100

72 42.3 33.7 50.5

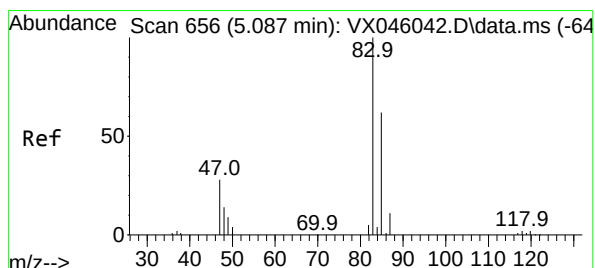
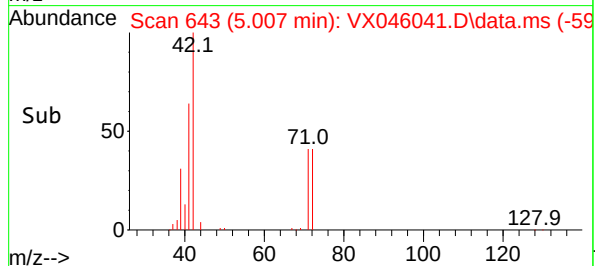
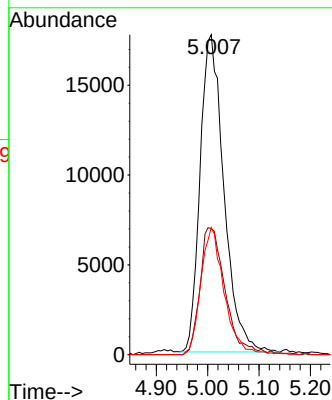
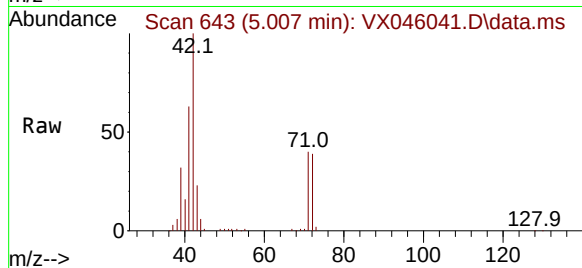
71 39.2 31.4 47.2

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#30

Chloroform

Concen: 14.144 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX046041.D

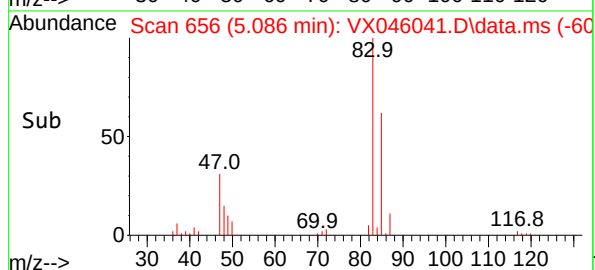
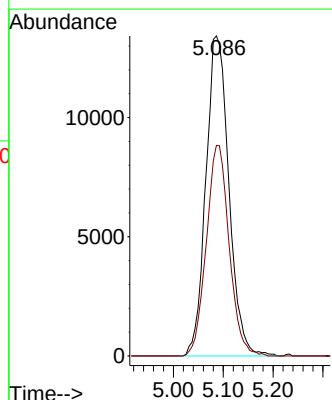
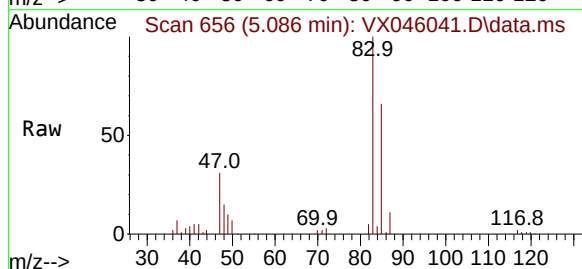
Acq: 05 May 2025 11:35

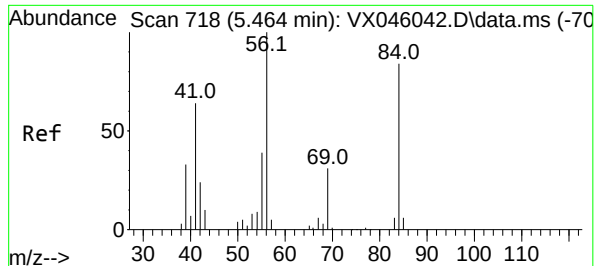
Tgt Ion: 83 Resp: 43065

Ion Ratio Lower Upper

83 100

85 65.7 49.3 73.9





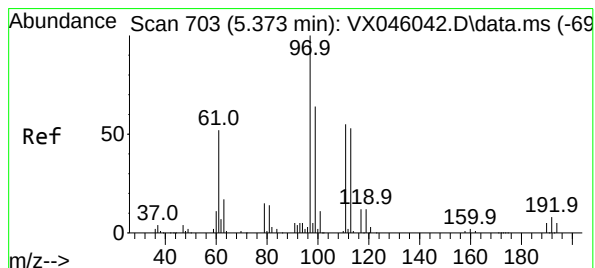
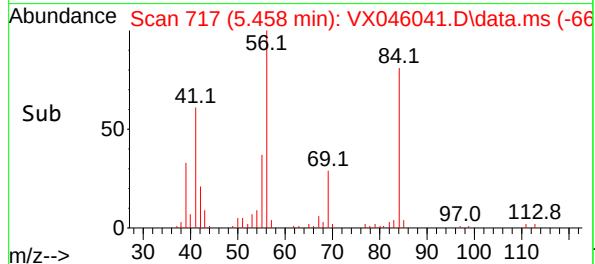
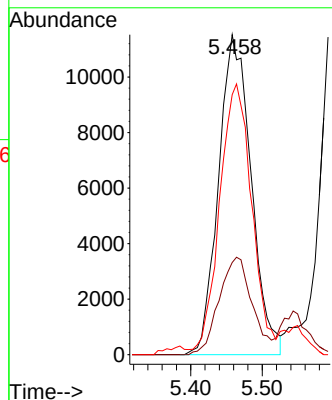
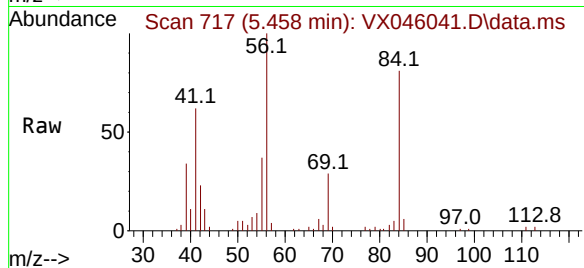
#31
Cyclohexane
Concen: 14.769 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 36470
Ion Ratio Lower Upper
56 100
69 28.8 24.4 36.6
84 78.5 66.9 100.3

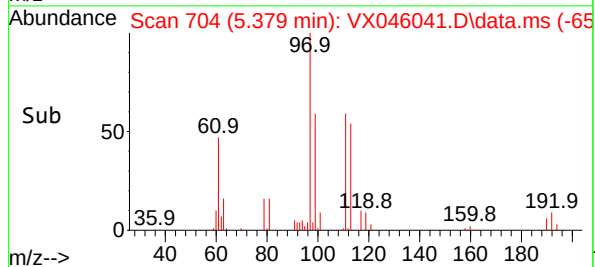
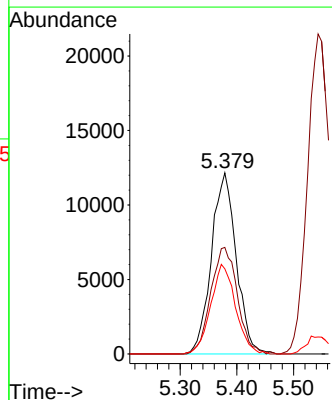
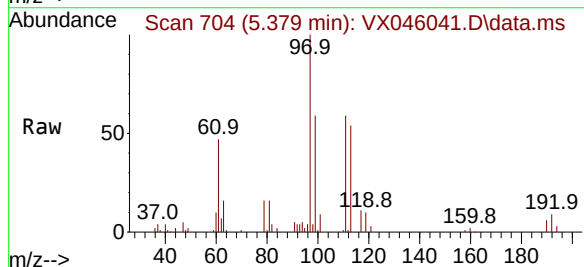
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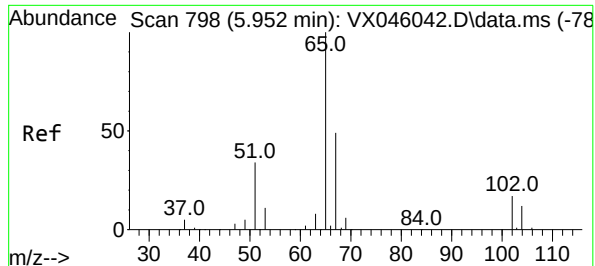
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#32
1,1,1-Trichloroethane
Concen: 14.092 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 97 Resp: 37003
Ion Ratio Lower Upper
97 100
99 62.8 51.8 77.6
61 49.5 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 12.820 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 31909

Ion Ratio Lower Upper

65 100

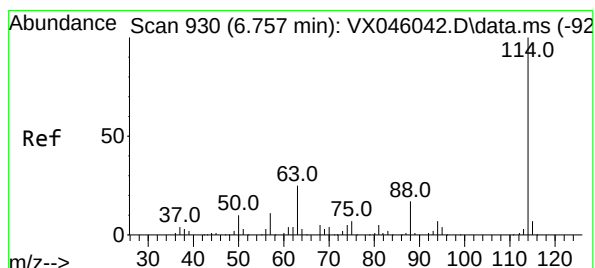
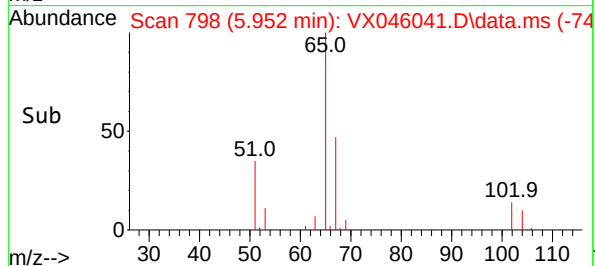
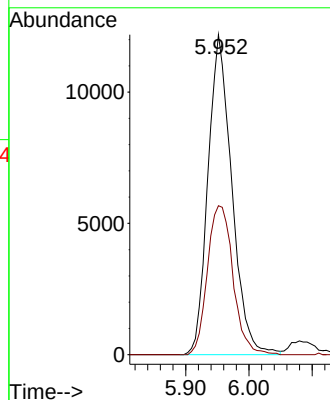
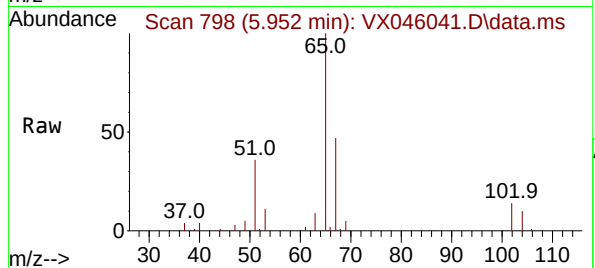
67 49.9 0.0 99.0

Manual Integrations

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

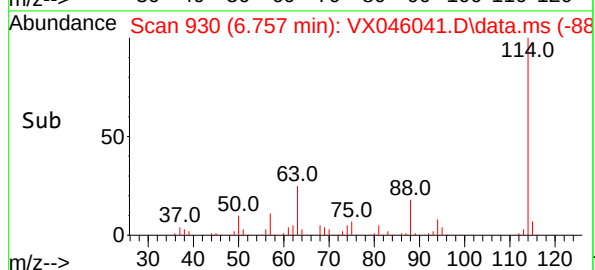
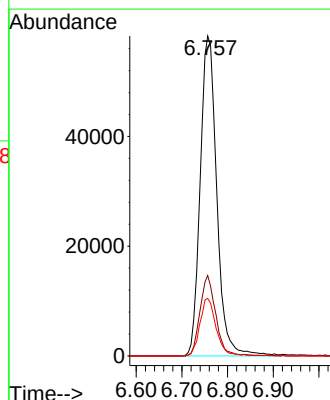
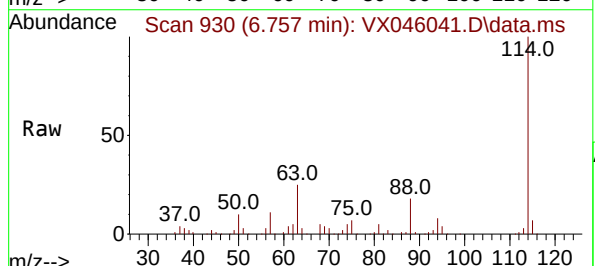
Tgt Ion:114 Resp: 147096

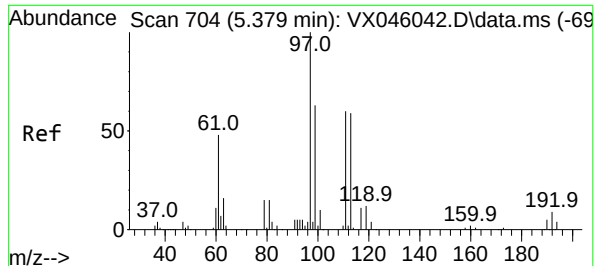
Ion Ratio Lower Upper

114 100

63 25.2 0.0 49.2

88 18.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 12.804 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:113 Resp: 2111

Ion Ratio Lower Upper

113 100

111 103.0 83.1 124.7

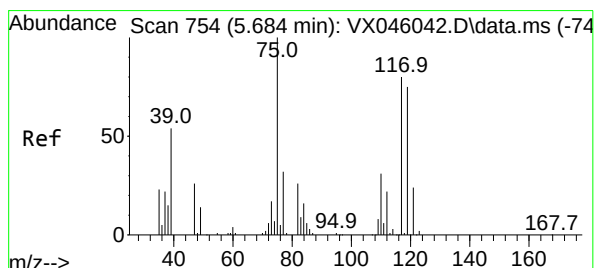
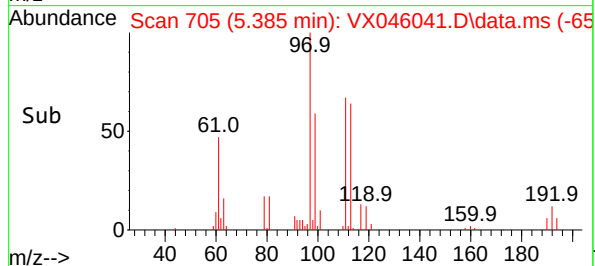
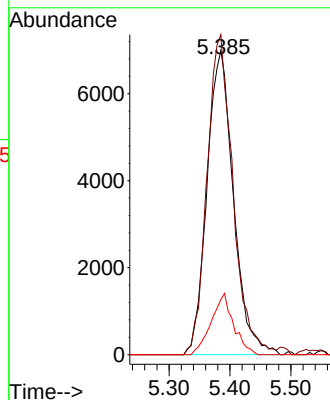
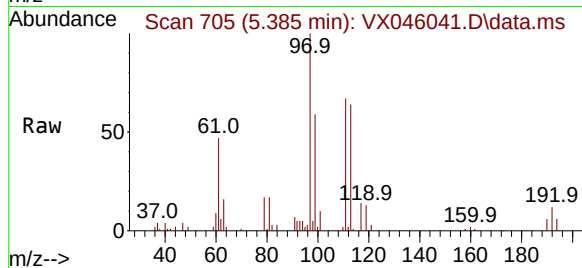
192 17.0 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#36

1,1-Dichloropropene

Concen: 14.231 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

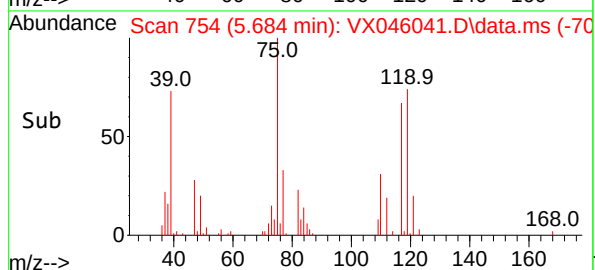
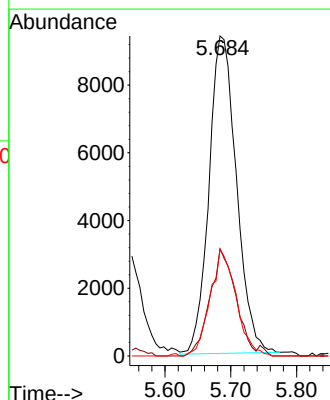
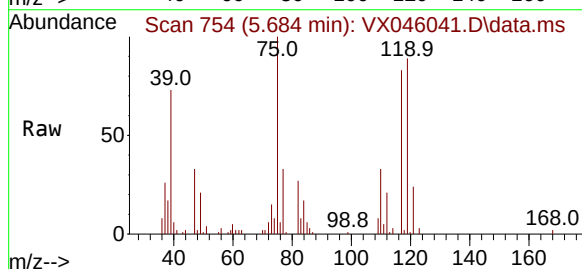
Tgt Ion: 75 Resp: 27242

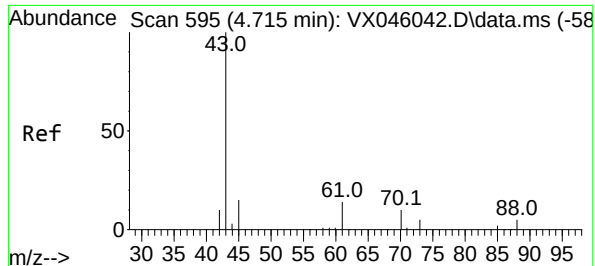
Ion Ratio Lower Upper

75 100

110 31.6 16.3 48.9

77 31.9 24.3 36.5





#37

Ethyl Acetate

Concen: 13.931 ug/l

RT: 4.720 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

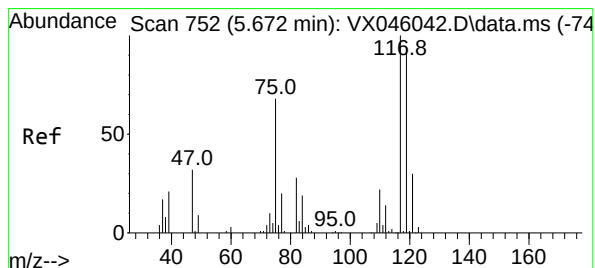
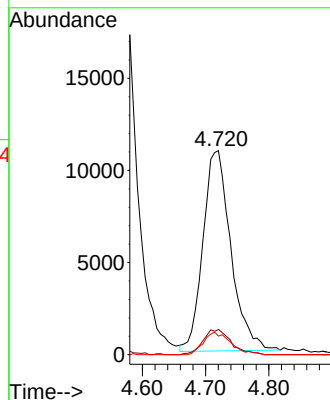
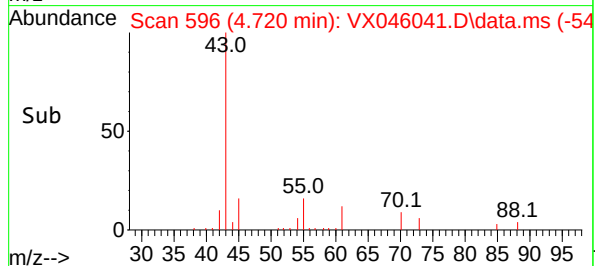
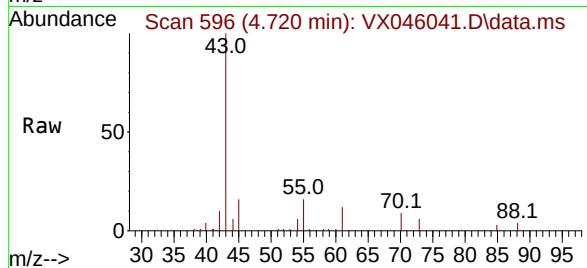
VSTDICC020

Tgt Ion:	43	Resp:	3345
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.9	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#38

Carbon Tetrachloride

Concen: 14.137 ug/l

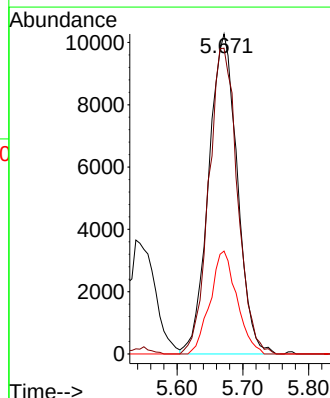
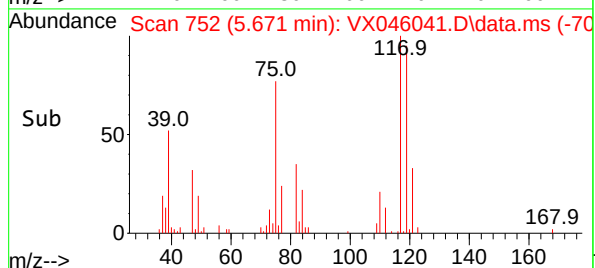
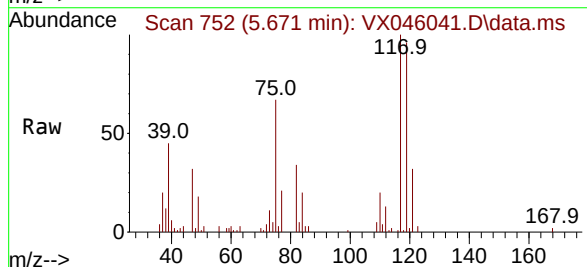
RT: 5.671 min Scan# 752

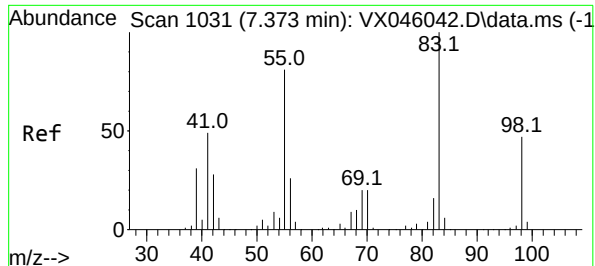
Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Tgt Ion:	117	Resp:	31091
Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.2	112.8
121	32.1	24.2	36.4





#39

Methylcyclohexane

Concen: 14.623 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

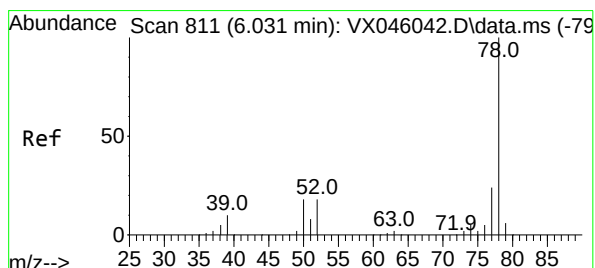
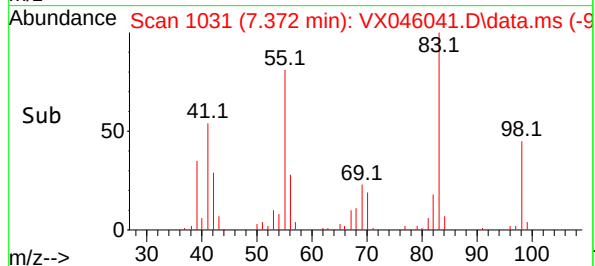
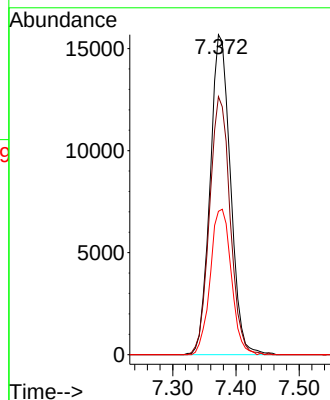
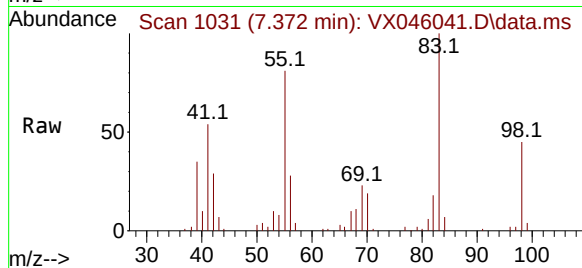
Tgt Ion: 83	Resp: 3507
Ion Ratio	Lower Upper
83 100	
55 80.7	64.7 97.1
98 44.8	37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#40

Benzene

Concen: 14.140 ug/l

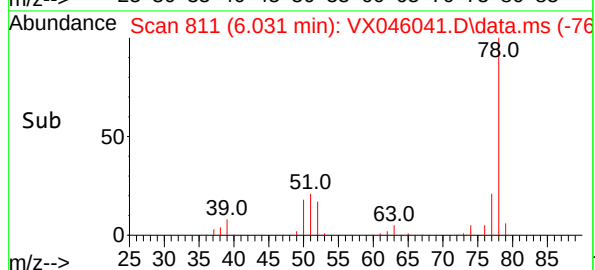
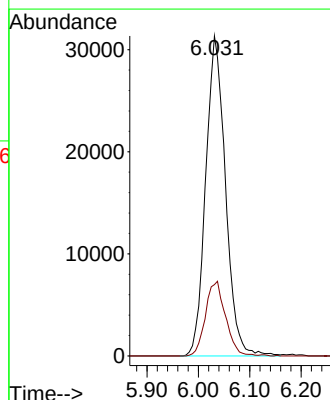
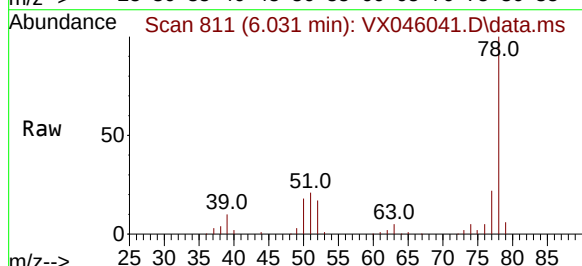
RT: 6.031 min Scan# 811

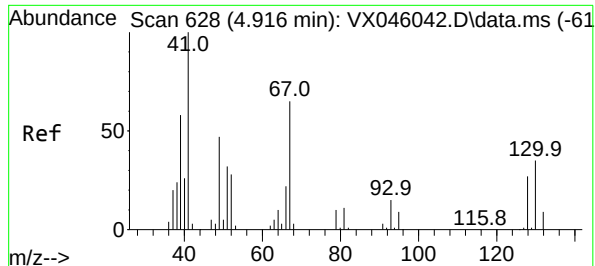
Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

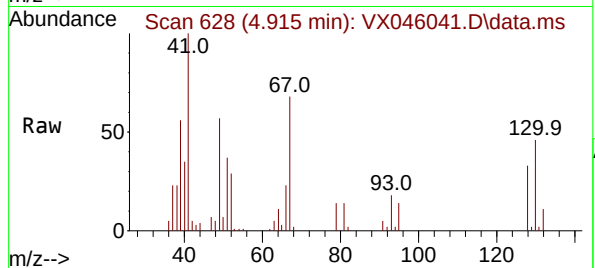
Tgt Ion: 78	Resp: 83898
Ion Ratio	Lower Upper
78 100	
77 22.3	19.0 28.4





#41
Methacrylonitrile
Concen: 14.038 ug/l
RT: 4.915 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

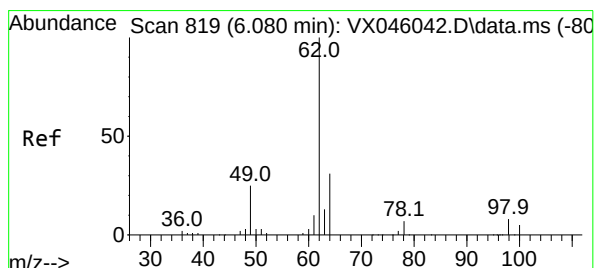
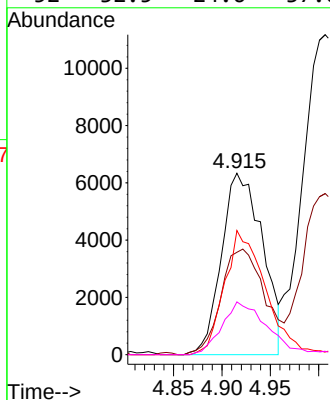
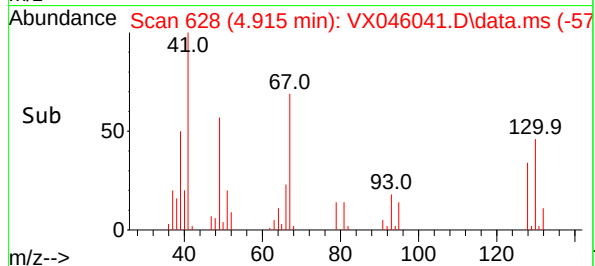
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 41 Resp: 18732
Ion Ratio Lower Upper
41 100
39 62.6 47.2 70.8
67 68.3 50.7 76.1
52 32.5 24.6 37.0

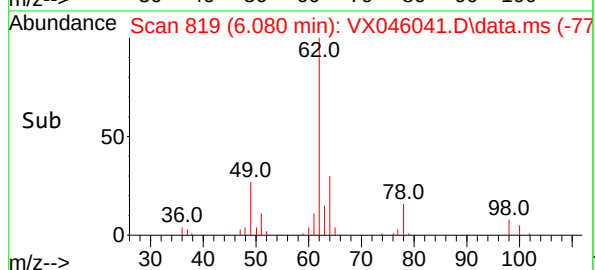
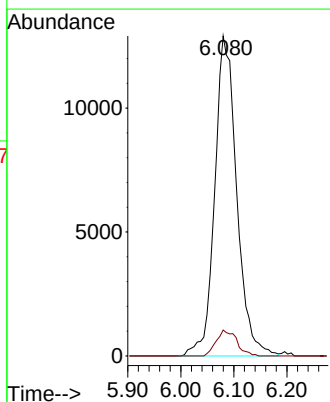
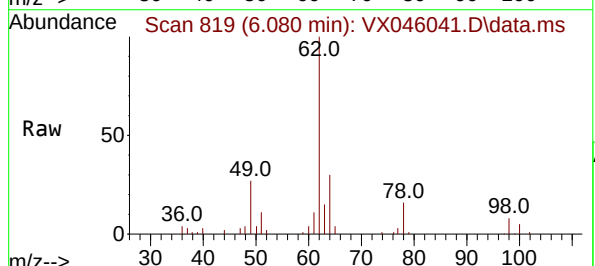
Manual Integrations
APPROVED

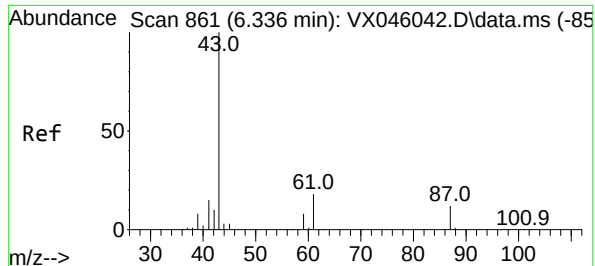
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#42
1,2-Dichloroethane
Concen: 15.165 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 37203
Ion Ratio Lower Upper
62 100
98 7.6 0.0 15.2





#43

Isopropyl Acetate

Concen: 14.512 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

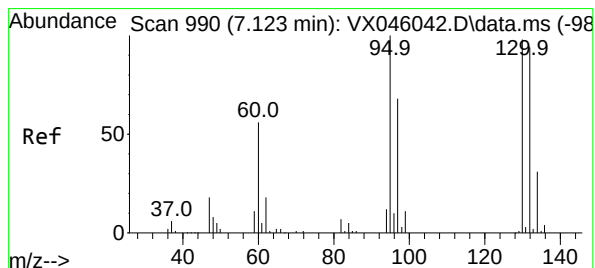
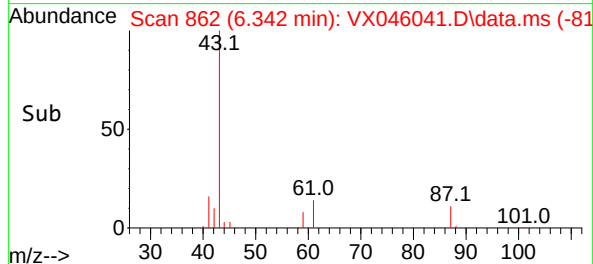
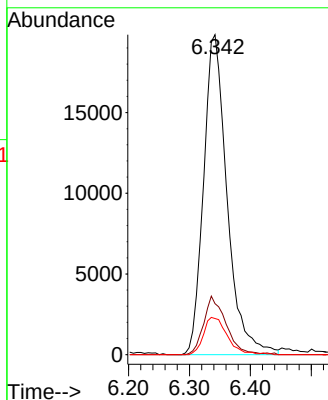
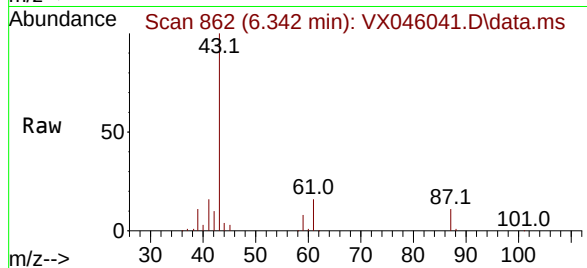
Tgt Ion: 43	Resp: 5327
Ion Ratio	Lower Upper
43	100
61	17.3 14.3 21.5
87	11.6 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#44

Trichloroethene

Concen: 14.429 ug/l

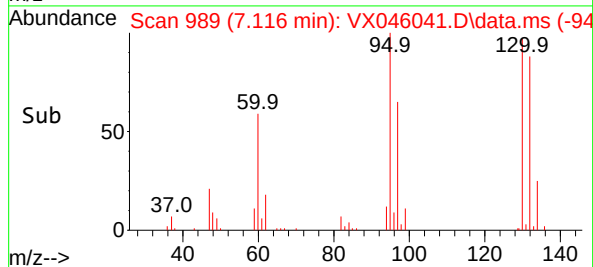
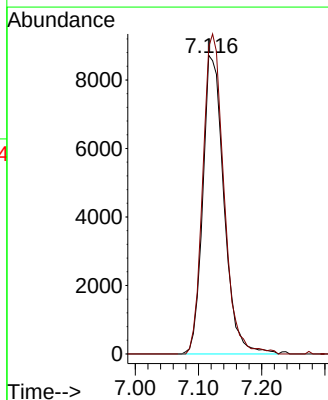
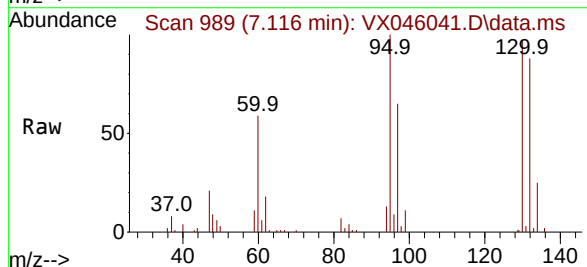
RT: 7.116 min Scan# 989

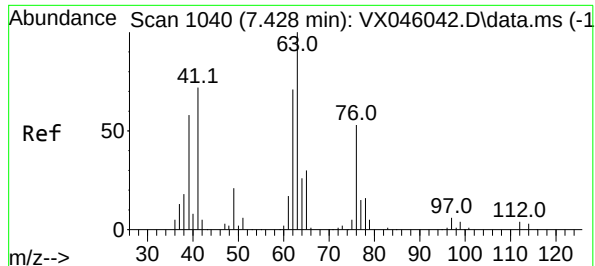
Delta R.T. -0.006 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Tgt Ion:130	Resp: 20239
Ion Ratio	Lower Upper
130	100
95	102.8 0.0 204.2





#45

1,2-Dichloropropane

Concen: 14.204 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 20940

Ion Ratio Lower Upper

63 100

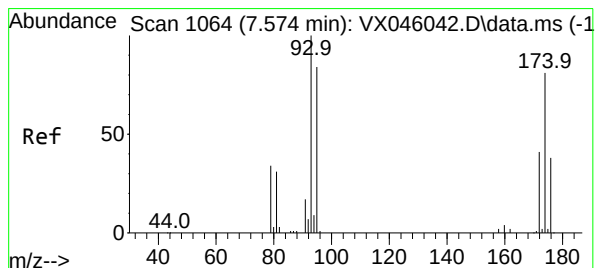
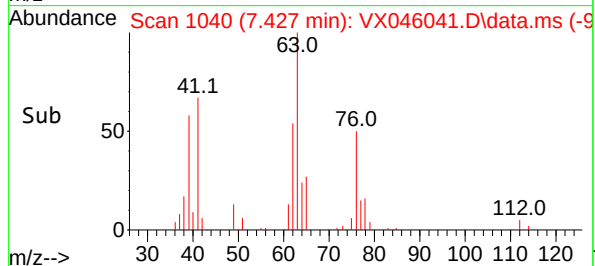
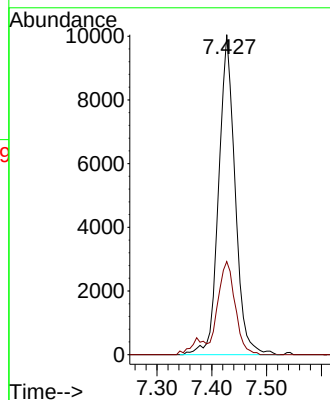
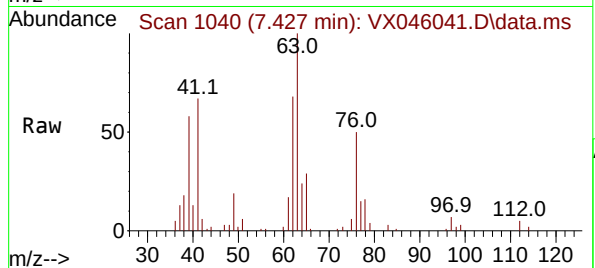
65 29.1 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#46

Dibromomethane

Concen: 14.439 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

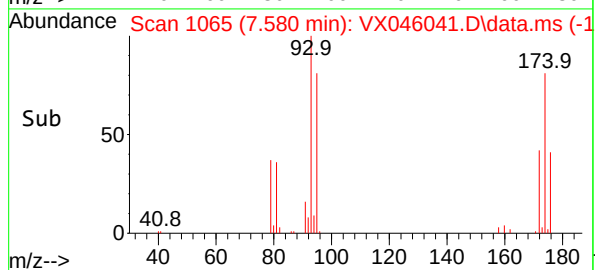
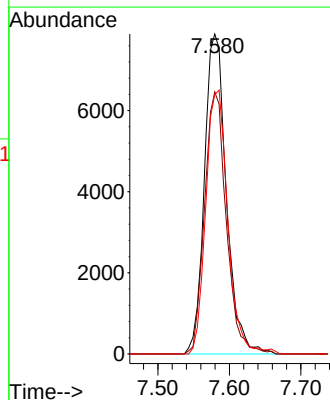
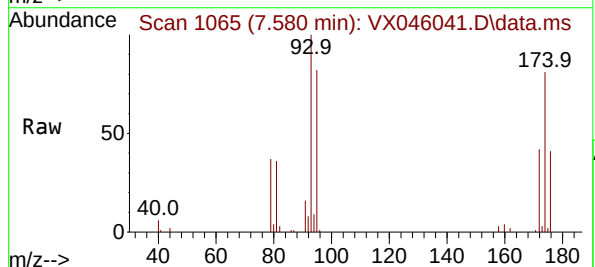
Tgt Ion: 93 Resp: 16781

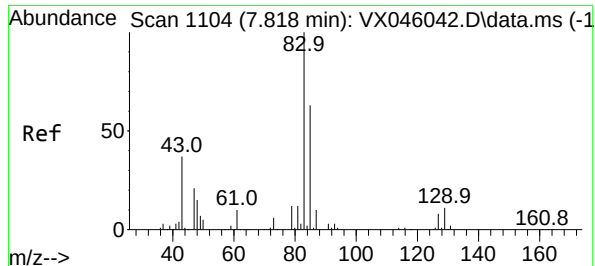
Ion Ratio Lower Upper

93 100

95 81.5 65.6 98.4

174 83.1 68.2 102.2





#47

Bromodichloromethane

Concen: 14.545 ug/l

RT: 7.817 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

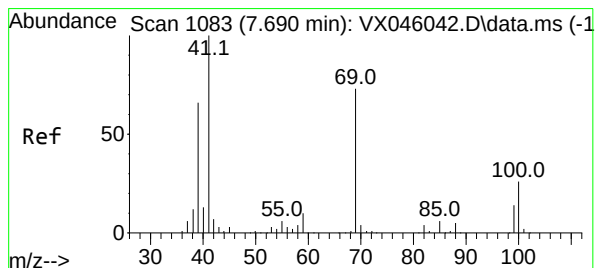
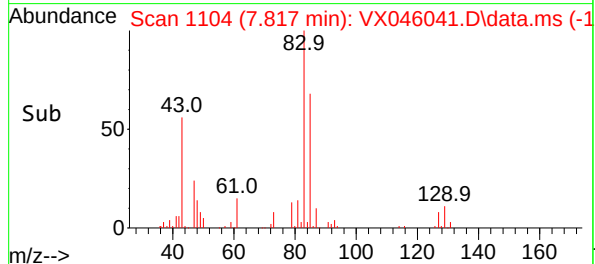
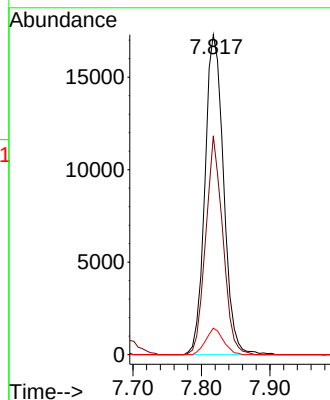
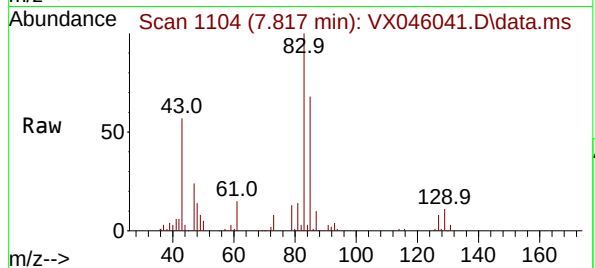
Tgt Ion:	83	Resp:	32762
Ion	Ratio	Lower	Upper
83	100		
85	68.4	50.5	75.7
127	8.3	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#48

Methyl methacrylate

Concen: 14.521 ug/l

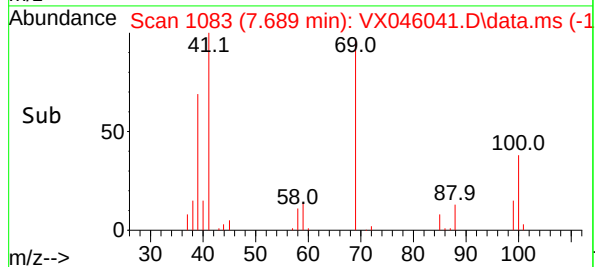
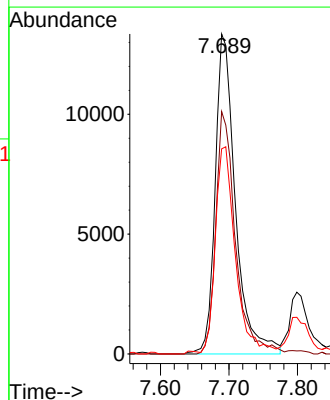
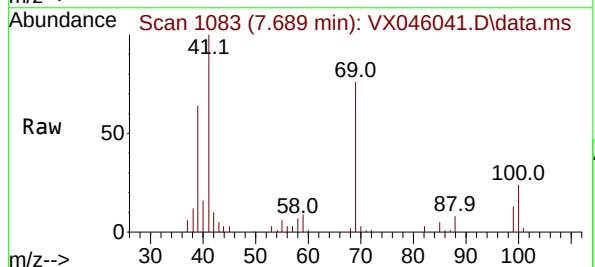
RT: 7.689 min Scan# 1083

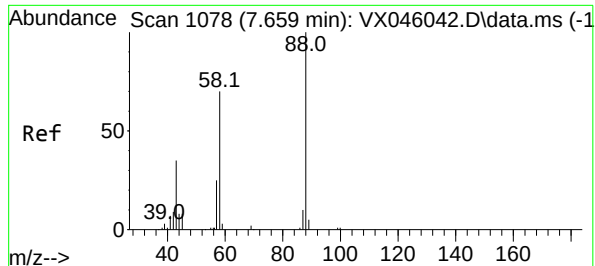
Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Tgt Ion:	41	Resp:	27374
Ion	Ratio	Lower	Upper
41	100		
69	73.5	58.5	87.7
39	64.9	51.7	77.5





#49

1,4-Dioxane

Concen: 282.442 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

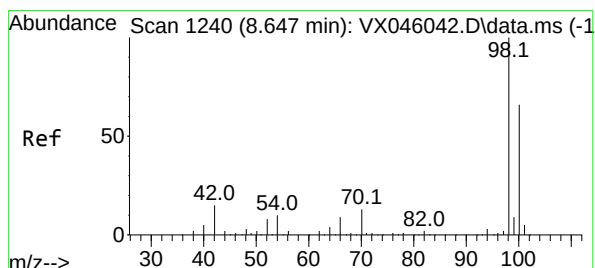
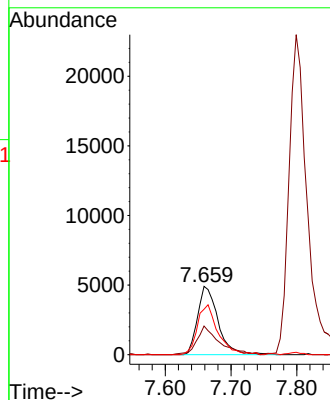
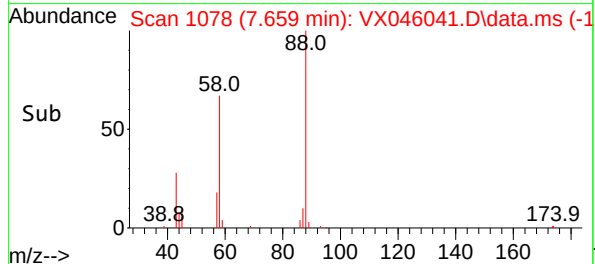
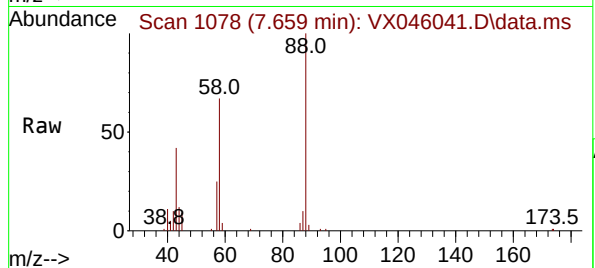
Tgt Ion:	88	Resp:	1058
Ion	Ratio	Lower	Upper
88	100		
43	45.5	33.4	50.2
58	73.6	58.6	88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#50

Toluene-d8

Concen: 13.200 ug/l

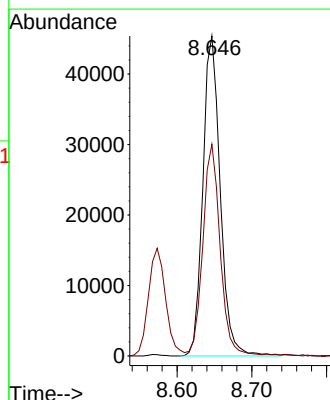
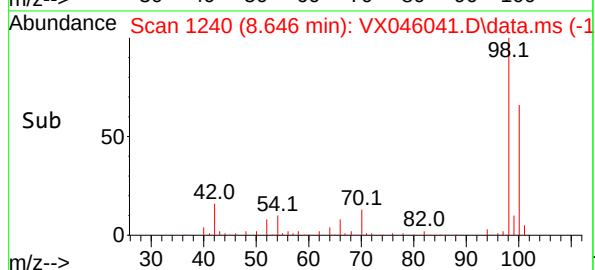
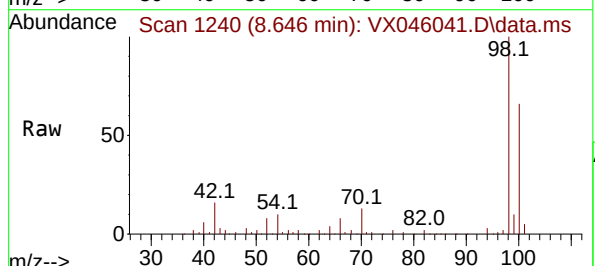
RT: 8.646 min Scan# 1240

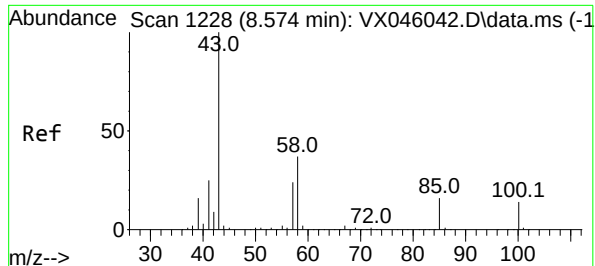
Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

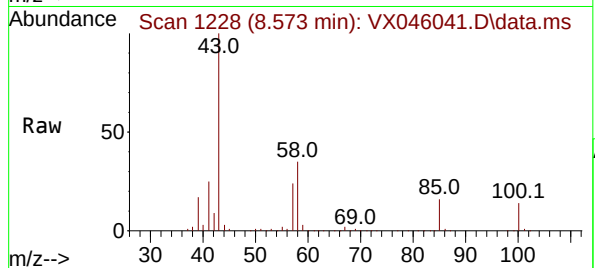
Tgt Ion:	98	Resp:	73333
Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 75.775 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

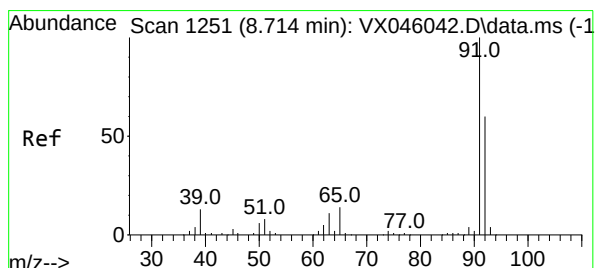
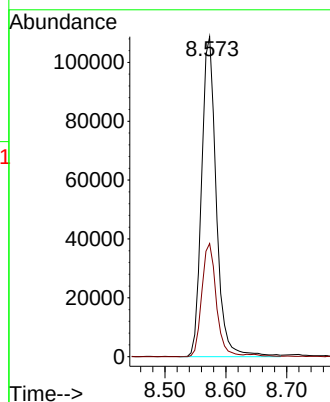
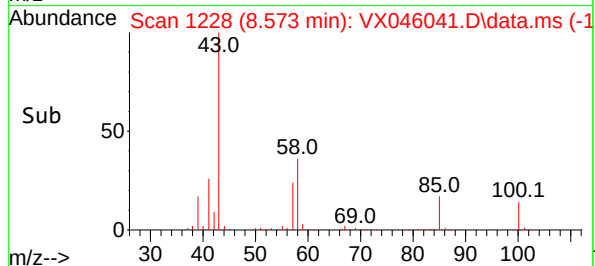
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 43 Resp: 18245
Ion Ratio Lower Upper
43 100
58 34.8 28.9 43.3

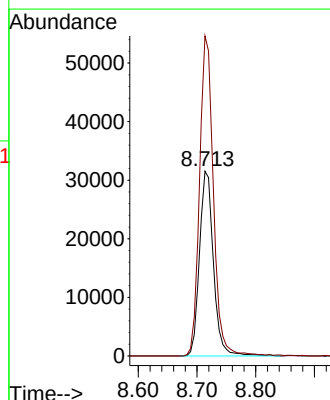
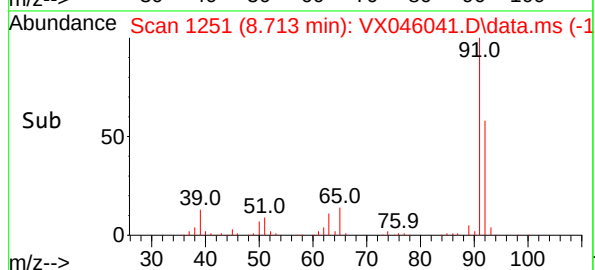
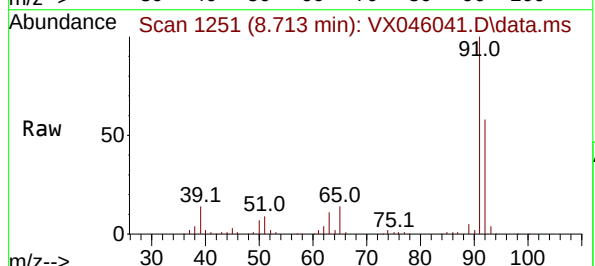
Manual Integrations
APPROVED

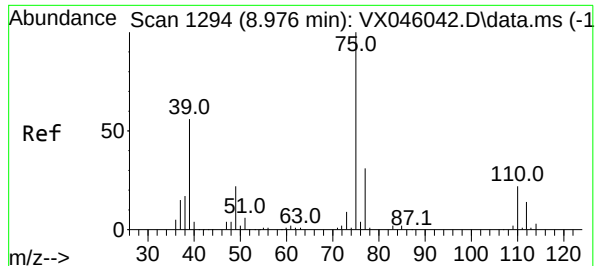
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#52
Toluene
Concen: 14.788 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 92 Resp: 52030
Ion Ratio Lower Upper
92 100
91 172.2 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 14.566 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 27549

Ion Ratio Lower Upper

75 100

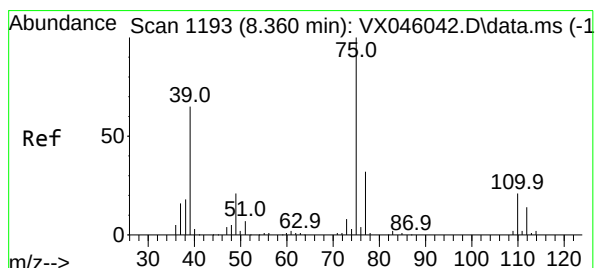
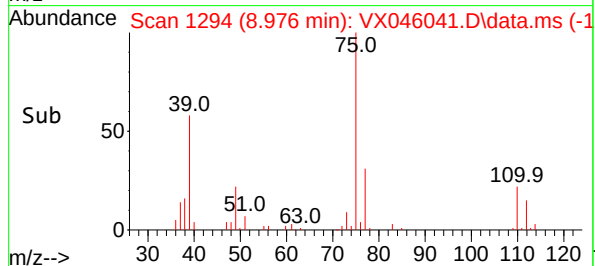
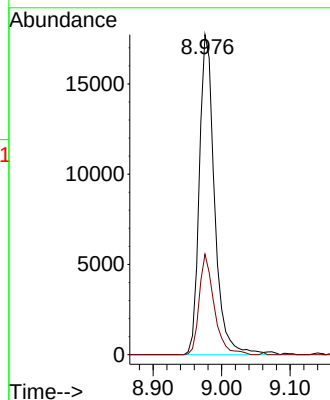
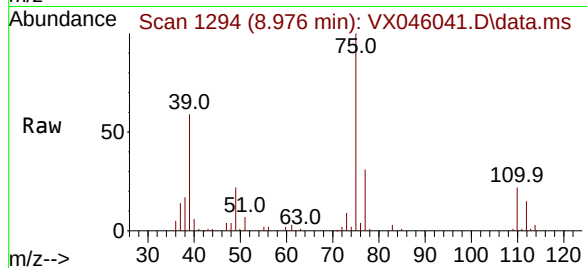
77 31.4 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#54

cis-1,3-Dichloropropene

Concen: 14.154 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

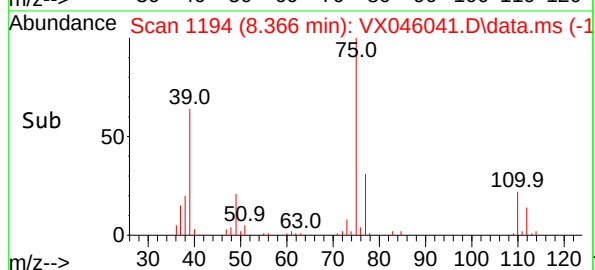
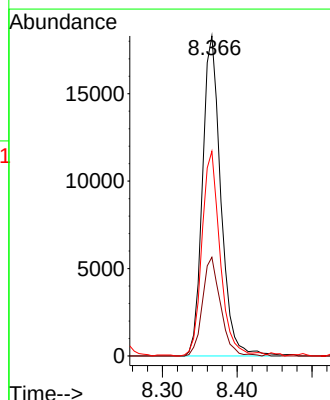
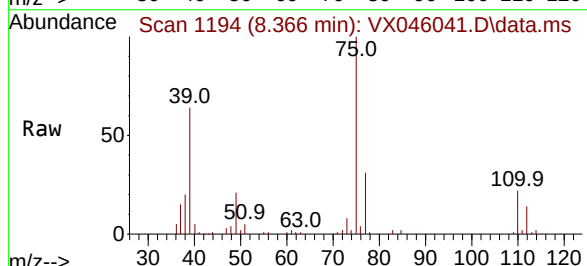
Tgt Ion: 75 Resp: 31226

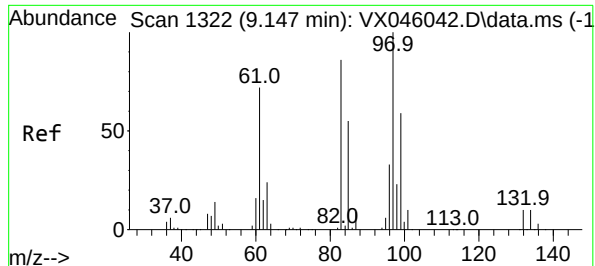
Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 64.0 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 14.442 ug/l

RT: 9.152 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 20530

Ion Ratio Lower Upper

97 100

83 87.0 69.0 103.6

85 58.7 44.3 66.5

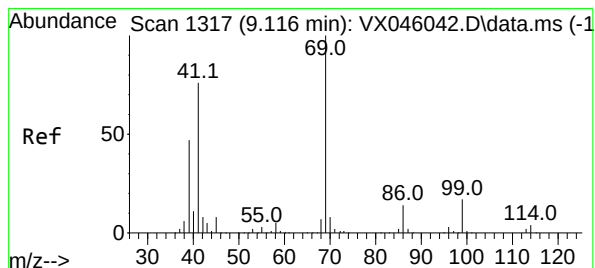
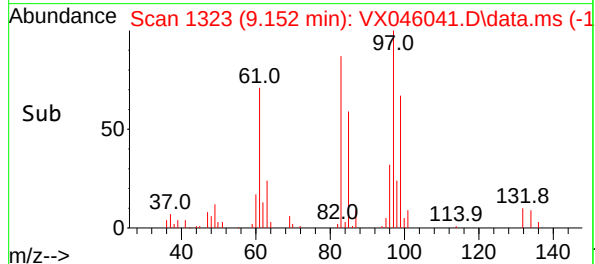
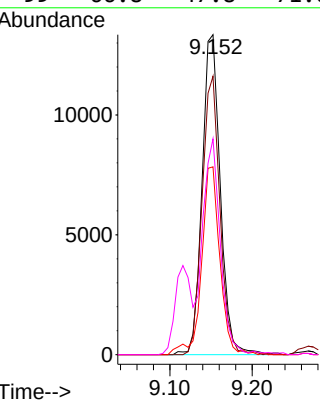
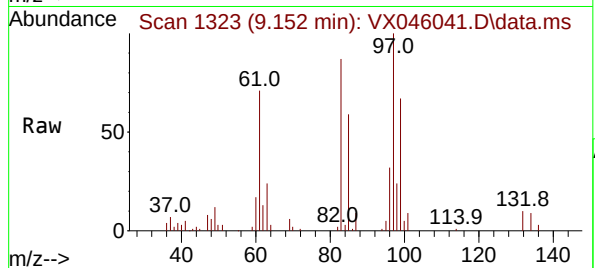
99 66.8 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#56

Ethyl methacrylate

Concen: 14.425 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

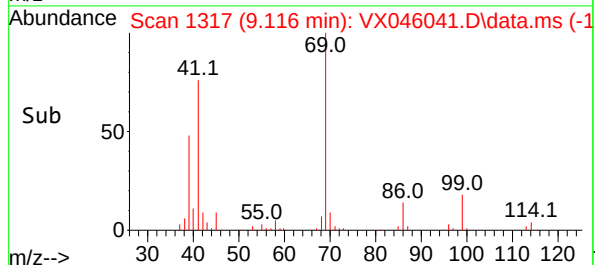
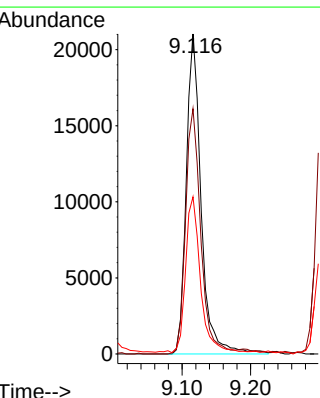
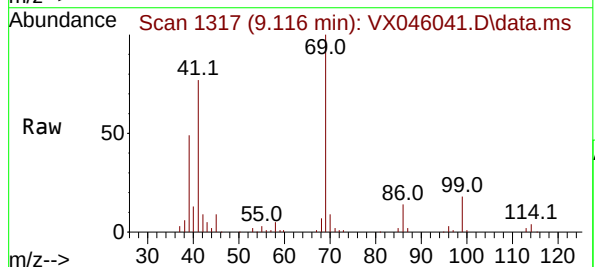
Tgt Ion: 69 Resp: 31787

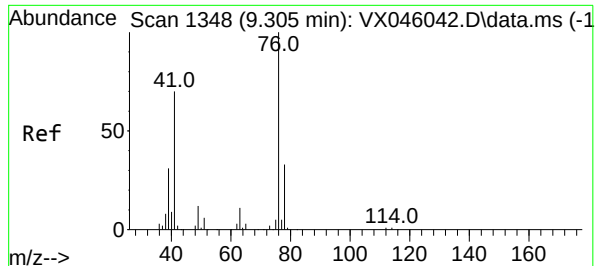
Ion Ratio Lower Upper

69 100

41 78.2 60.8 91.2

39 49.3 39.0 58.6





#57

1,3-Dichloropropane

Concen: 14.417 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 3634

Ion Ratio Lower Upper

76 100

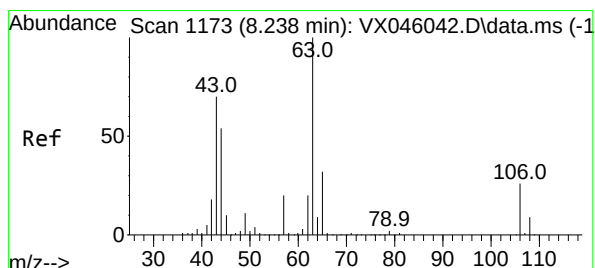
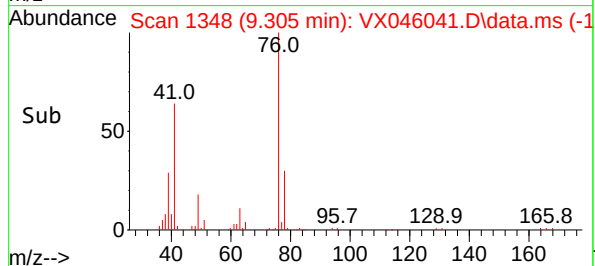
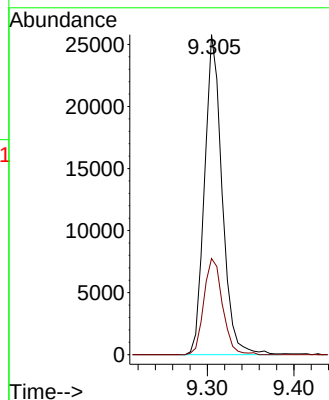
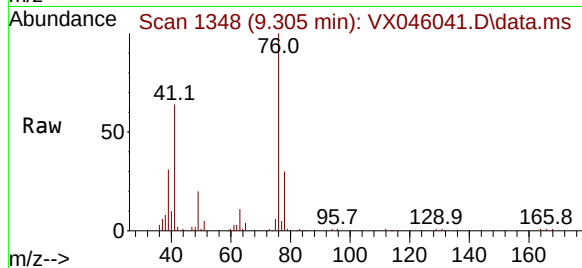
78 31.8 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#58

2-Chloroethyl Vinyl ether

Concen: 80.312 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX046041.D

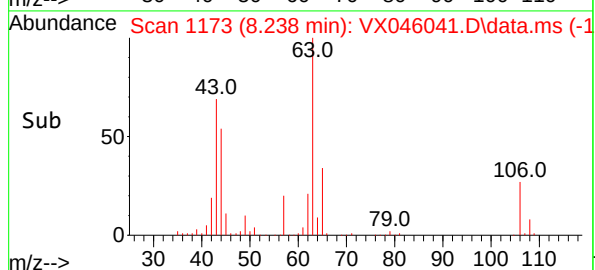
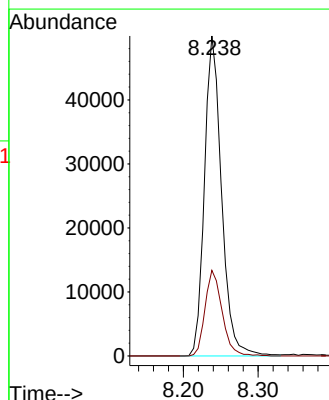
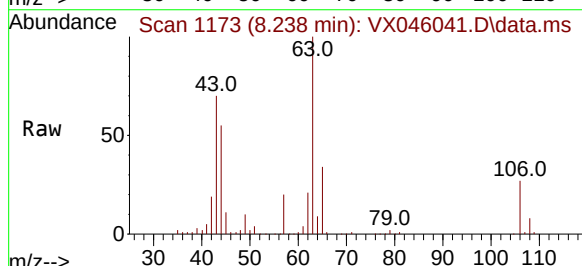
Acq: 05 May 2025 11:35

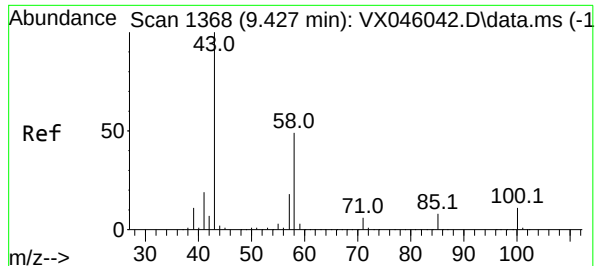
Tgt Ion: 63 Resp: 79531

Ion Ratio Lower Upper

63 100

106 26.7 21.5 32.3





#59

2-Hexanone

Concen: 74.997 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 137054

Ion Ratio Lower Upper

43 100

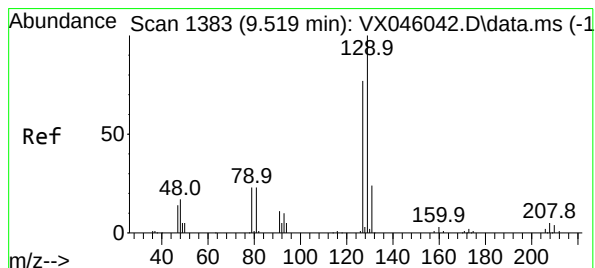
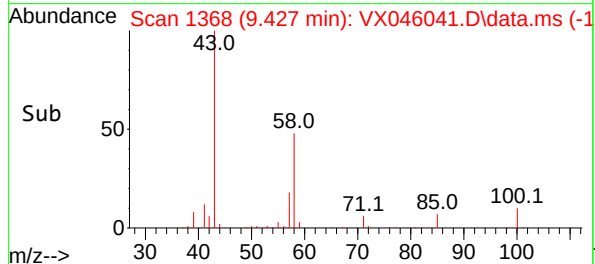
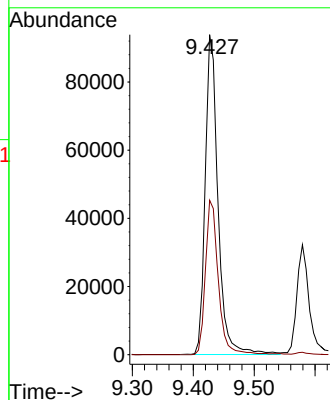
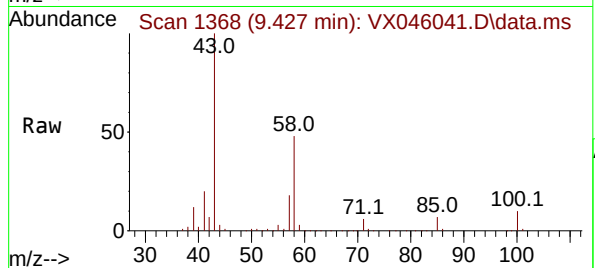
58 48.7 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#60

Dibromochloromethane

Concen: 14.387 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX046041.D

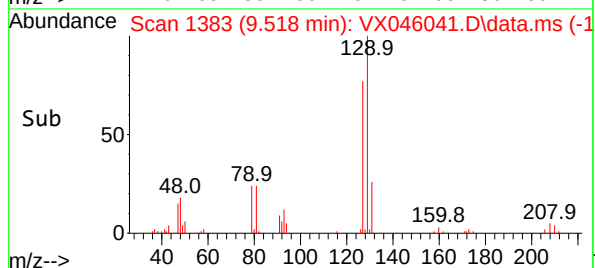
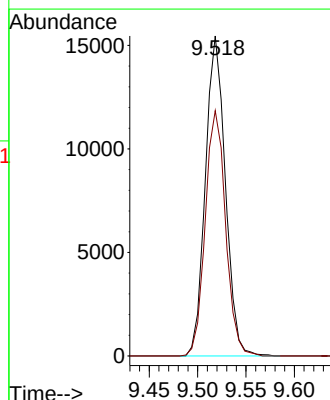
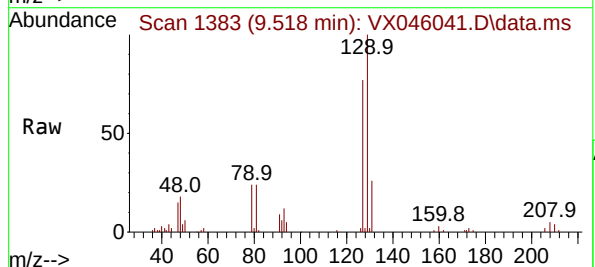
Acq: 05 May 2025 11:35

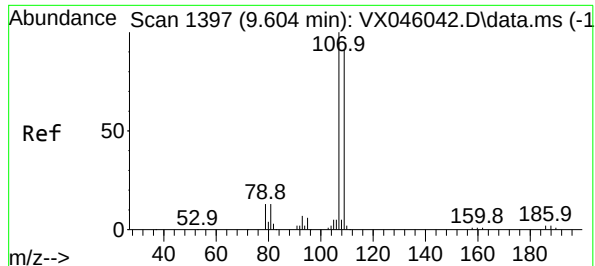
Tgt Ion:129 Resp: 22267

Ion Ratio Lower Upper

129 100

127 78.0 39.3 117.8





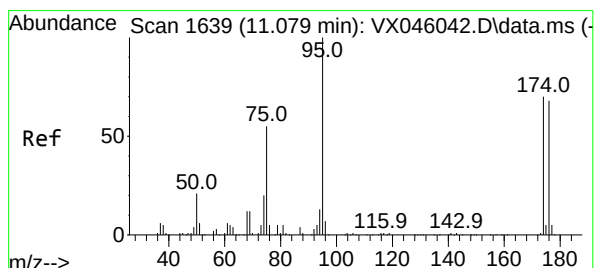
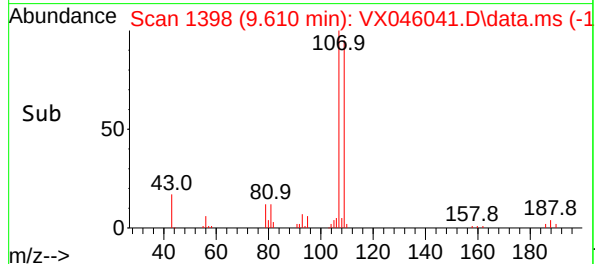
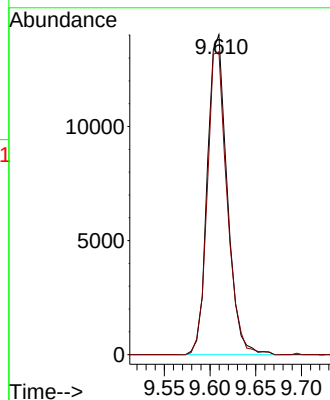
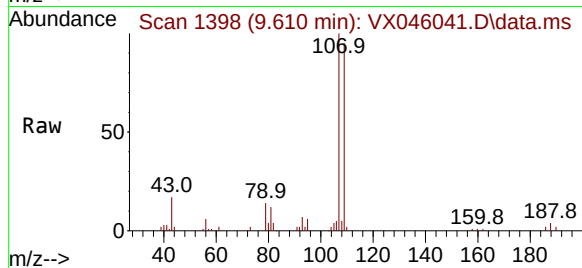
#61
1,2-Dibromoethane
Concen: 14.458 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:107 Resp: 2111
Ion Ratio Lower Upper
107 100
109 95.3 73.3 109.9

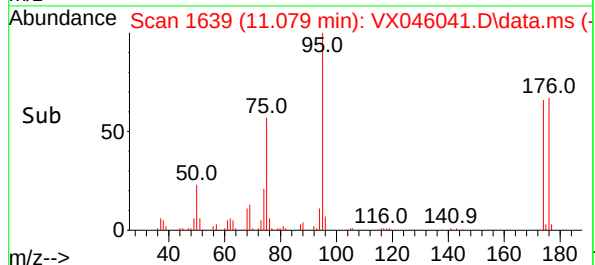
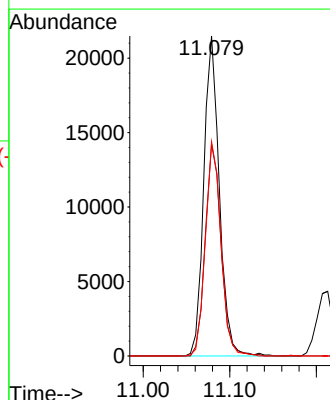
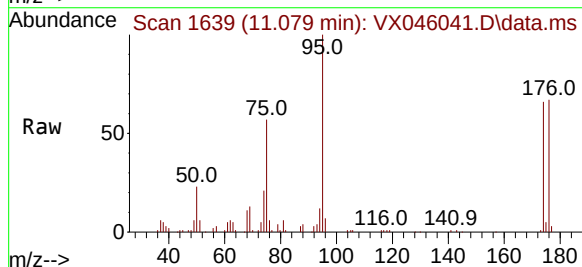
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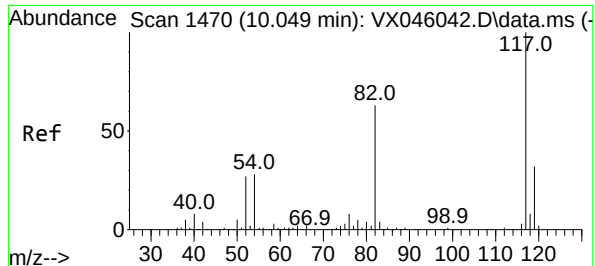
Reviewed By :John Carbone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#62
4-Bromofluorobenzene
Concen: 13.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

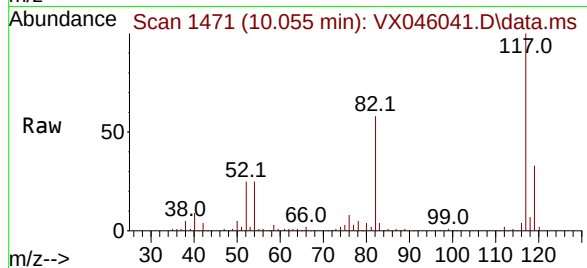
Tgt Ion: 95 Resp: 26760
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.8
176 67.0 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

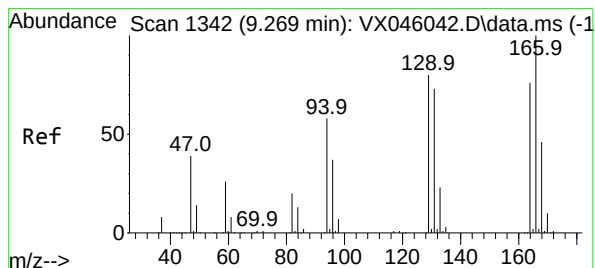
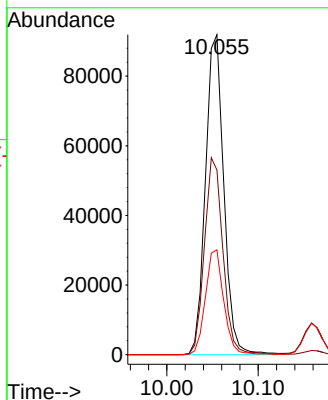
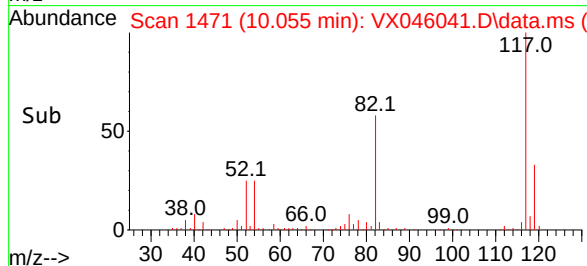
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion:117 Resp: 127829
Ion Ratio Lower Upper
117 100
82 57.7 50.6 76.0
119 32.7 25.8 38.6

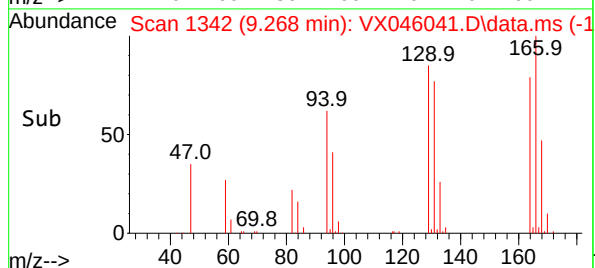
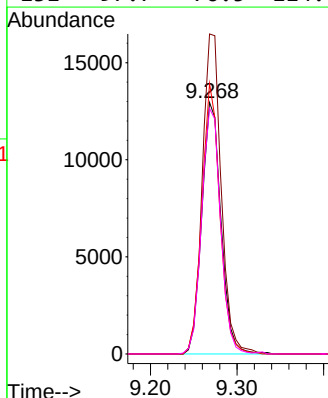
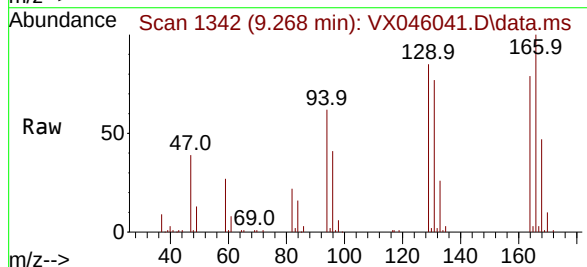
Manual Integrations
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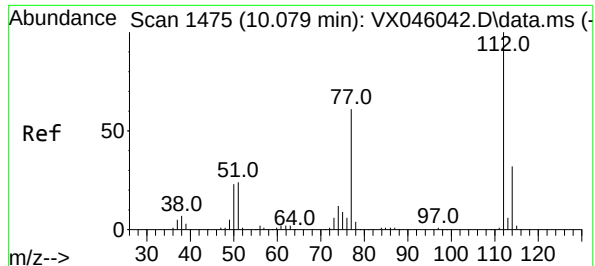
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#64
Tetrachloroethene
Concen: 15.263 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:164 Resp: 19924
Ion Ratio Lower Upper
164 100
166 127.2 105.0 157.6
129 107.6 83.5 125.3
131 97.7 76.5 114.7





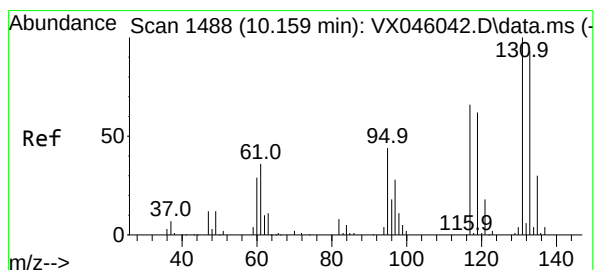
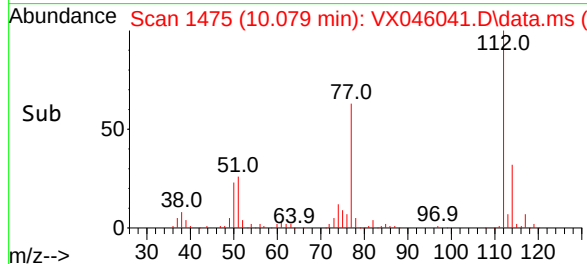
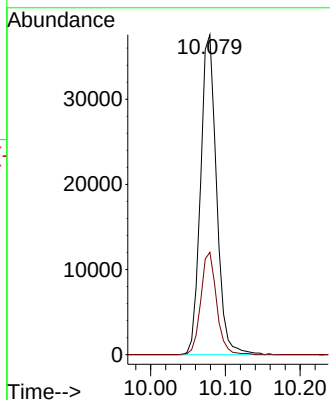
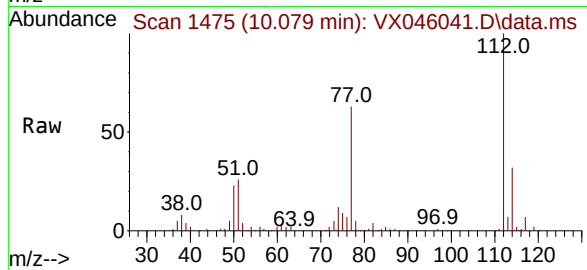
#65
Chlorobenzene
Concen: 14.202 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 5586
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

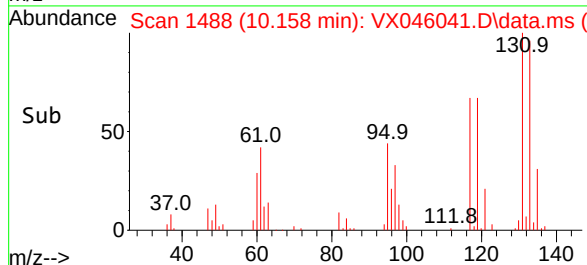
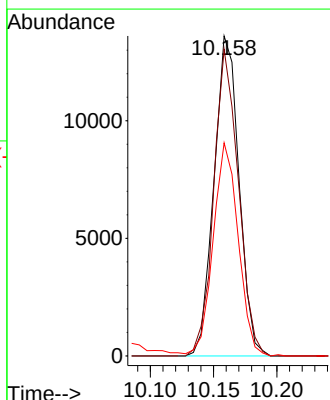
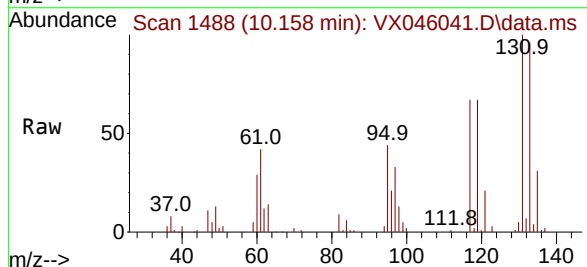
Manual Integrations
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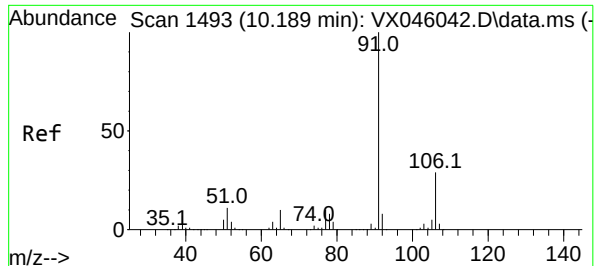
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 14.231 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:131 Resp: 18671
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.9
119 66.7 31.6 95.0





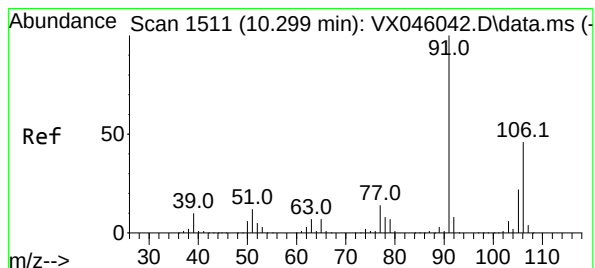
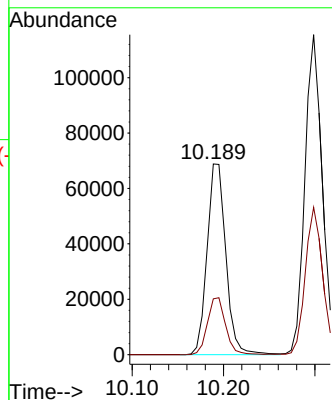
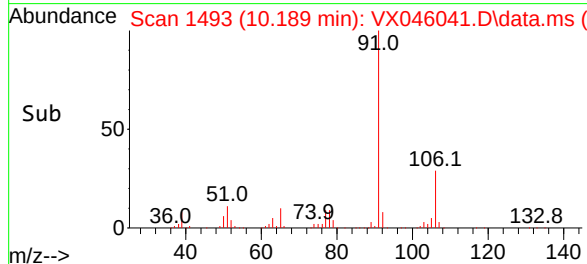
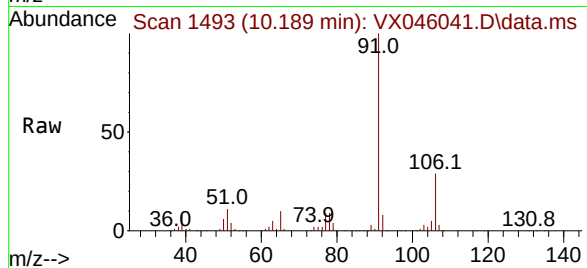
#67
Ethyl Benzene
Concen: 14.631 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 9811
Ion Ratio Lower Upper
91 100
106 29.3 23.4 35.2

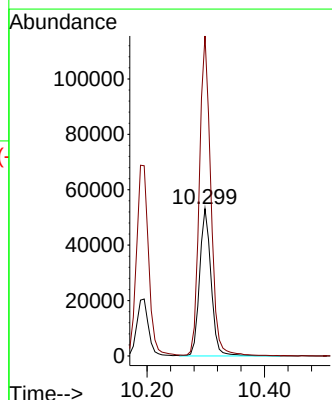
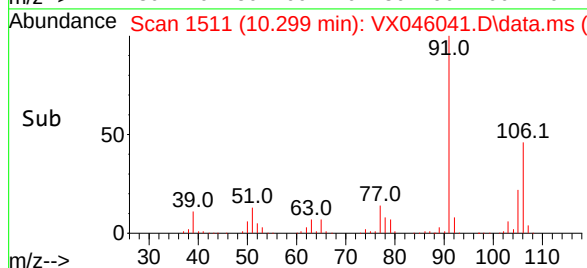
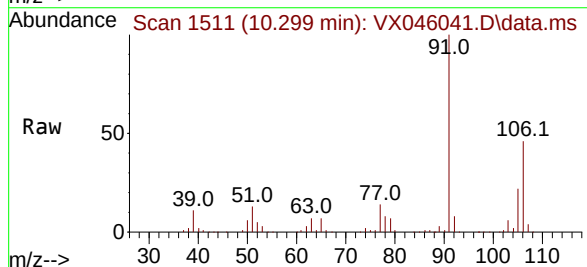
Manual Integrations
APPROVED

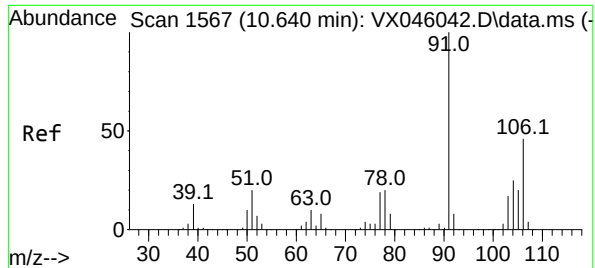
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#68
m/p-Xylenes
Concen: 29.806 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:106 Resp: 72202
Ion Ratio Lower Upper
106 100
91 216.1 171.2 256.8





#69

o-Xylene

Concen: 14.408 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 35178

Ion Ratio Lower Upper

106 100

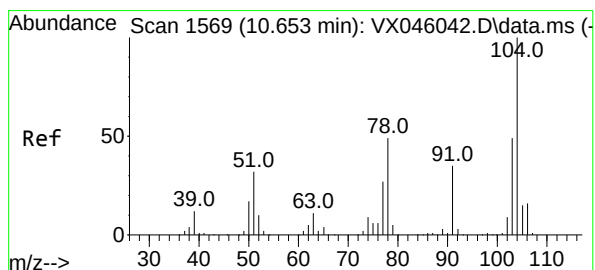
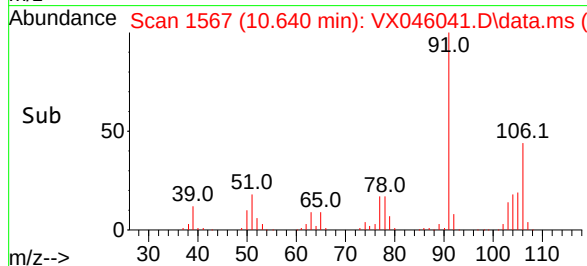
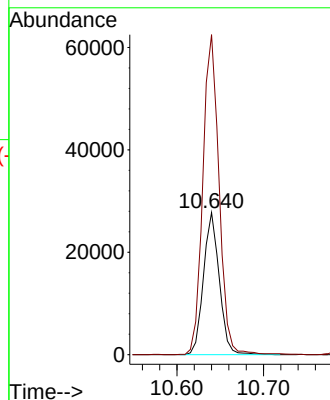
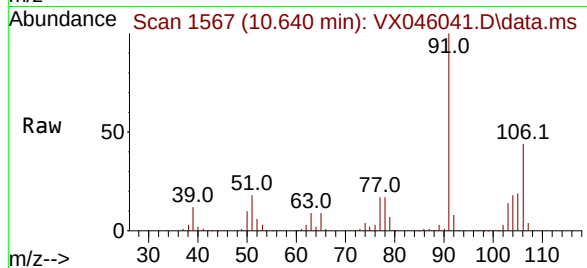
91 231.7 112.7 338.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#70

Styrene

Concen: 14.853 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

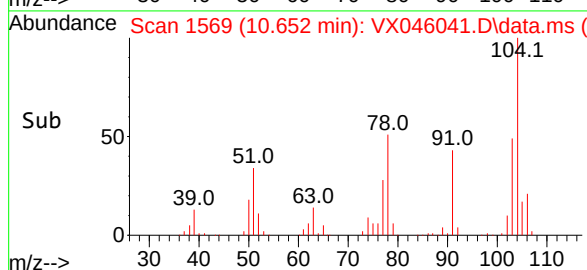
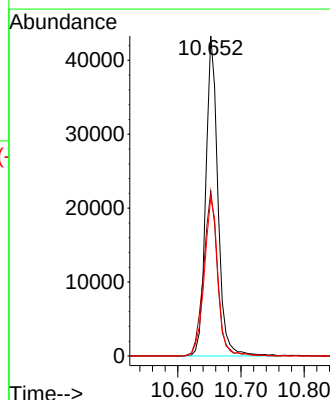
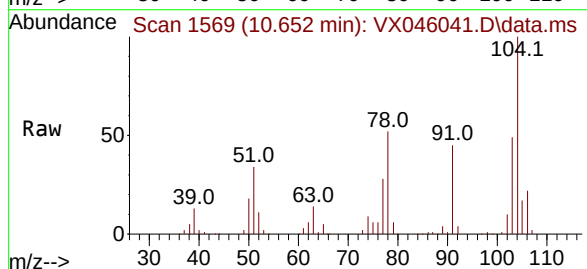
Tgt Ion:104 Resp: 58034

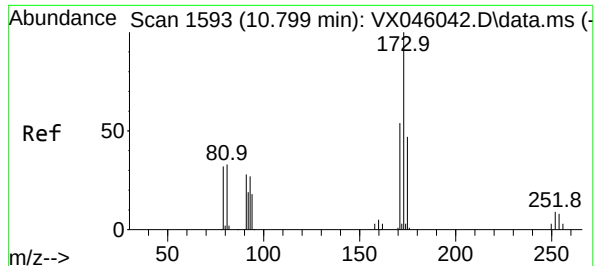
Ion Ratio Lower Upper

104 100

78 58.7 45.7 68.5

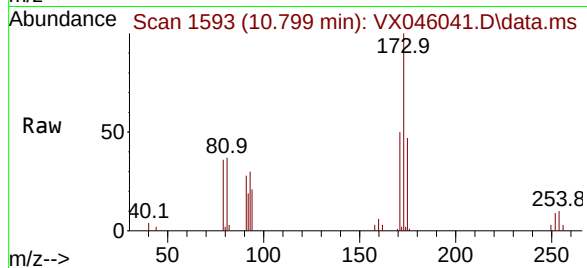
103 55.6 43.7 65.5





#71
Bromoform
Concen: 14.030 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

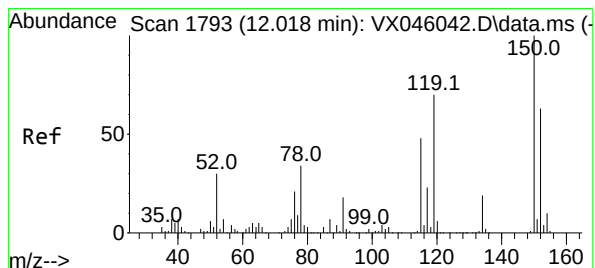
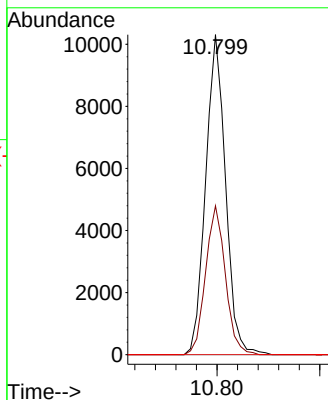
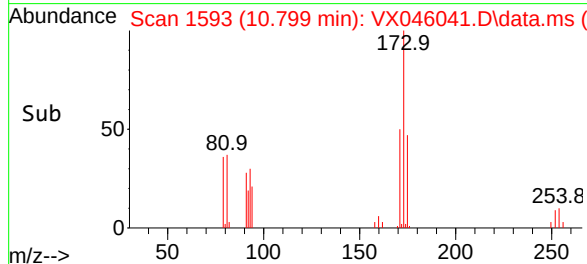
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:173 Resp: 13825
Ion Ratio Lower Upper
173 100
175 46.4 23.4 70.0
254 0.0 0.0 0.0

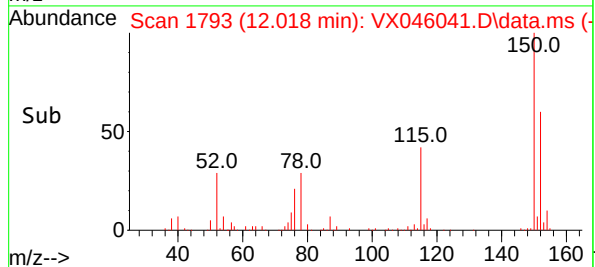
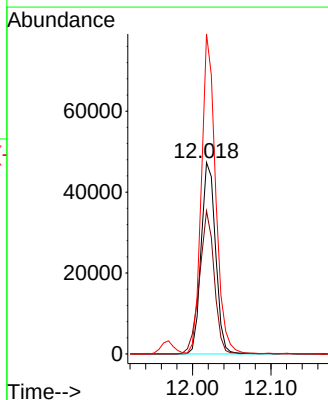
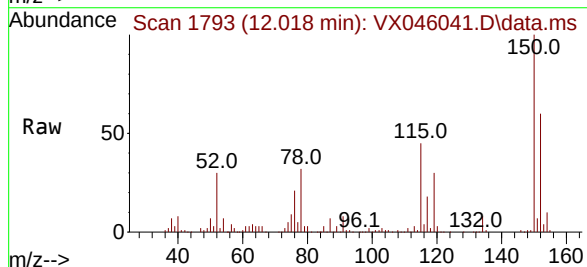
Manual Integrations
APPROVED

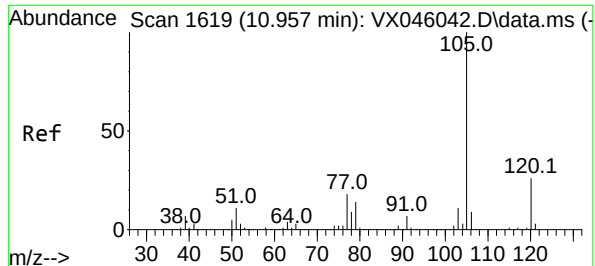
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:152 Resp: 60503
Ion Ratio Lower Upper
152 100
115 76.6 46.9 140.7
150 163.6 0.0 351.0





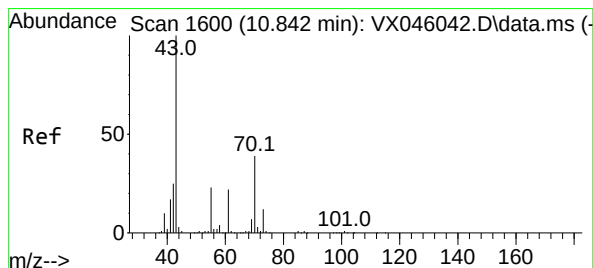
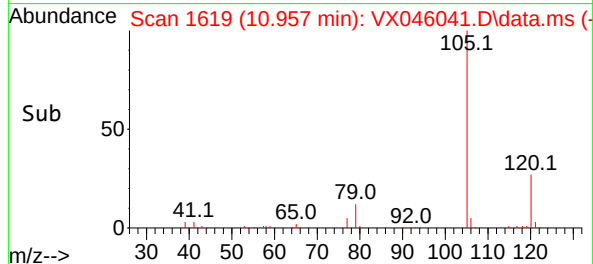
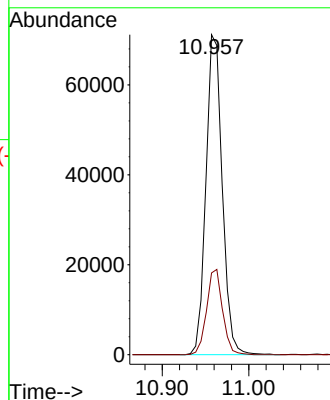
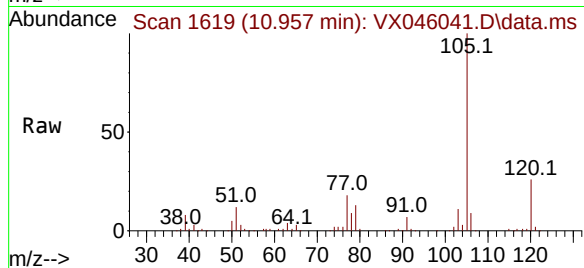
#73
Isopropylbenzene
Concen: 14.096 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 9301
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.4

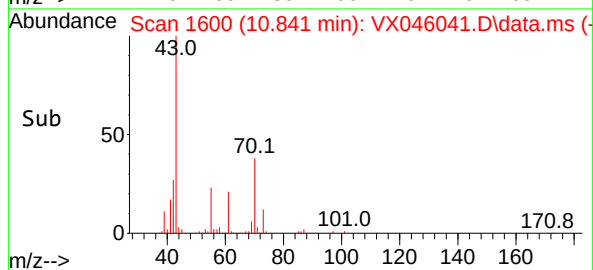
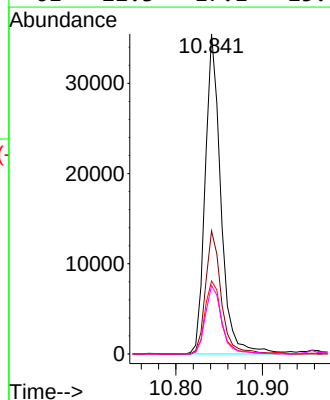
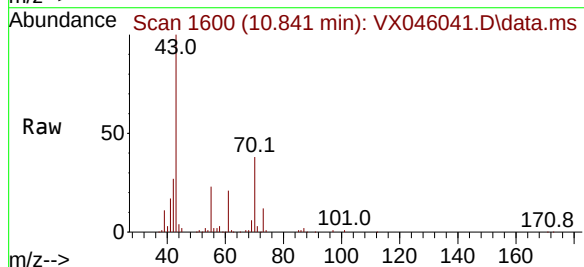
Manual Integrations
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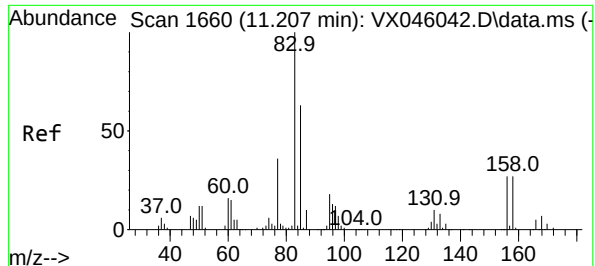
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#74
N-ethyl acetate
Concen: 13.581 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 44684
Ion Ratio Lower Upper
43 100
70 38.5 30.9 46.3
55 24.1 18.7 28.1
61 22.3 17.1 25.7





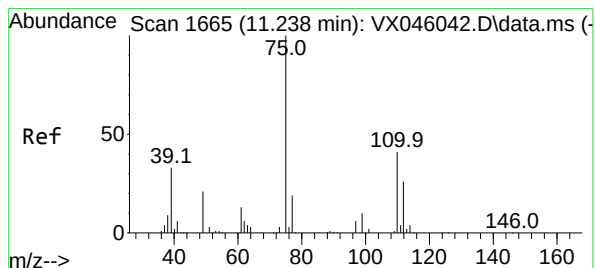
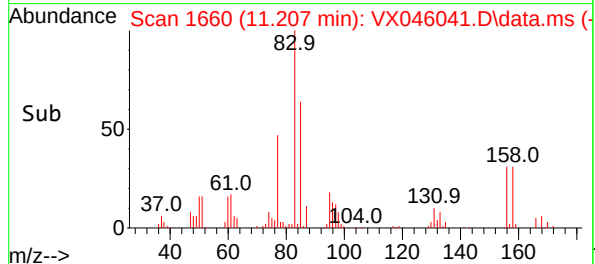
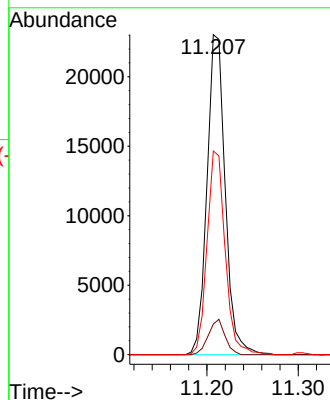
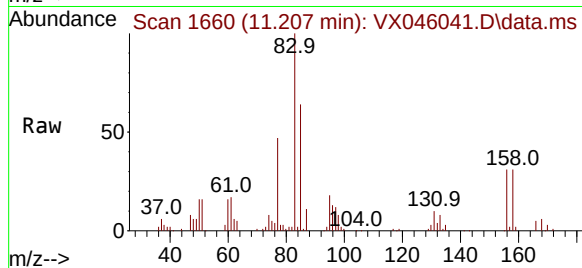
#75
1,1,2,2-Tetrachloroethane
Concen: 13.560 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 31830
Ion Ratio Lower Upper
83 100
131 10.1 5.0 14.9
85 63.3 31.9 95.7

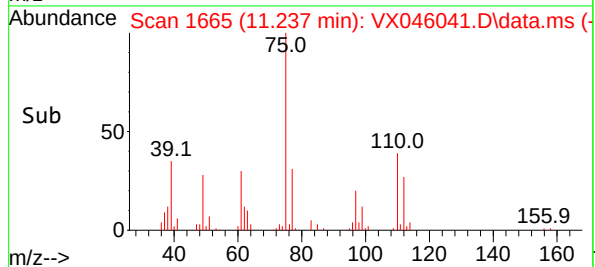
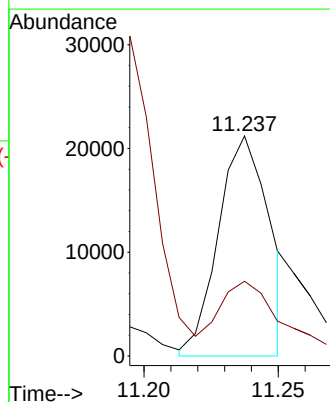
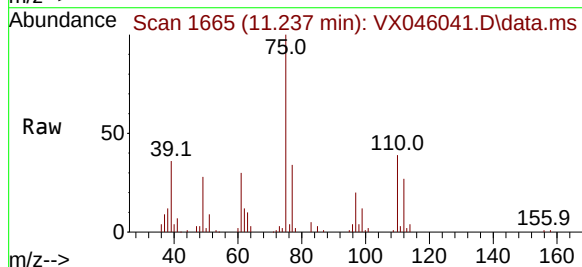
Manual Integrations
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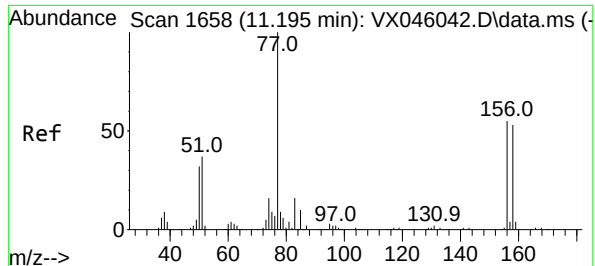
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#76
1,2,3-Trichloropropane
Concen: 11.039 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

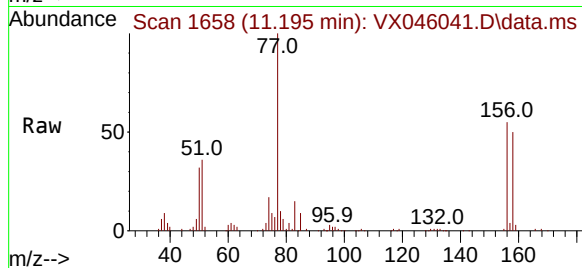
Tgt Ion: 75 Resp: 27845
Ion Ratio Lower Upper
75 100
77 43.0 20.5 61.5





#77
Bromobenzene
Concen: 14.212 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

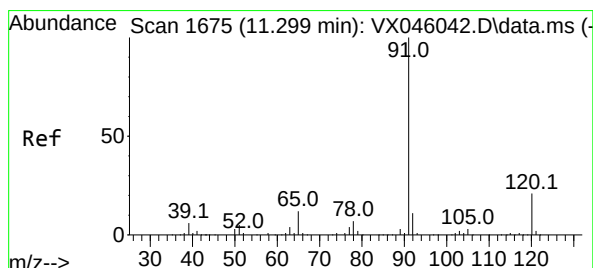
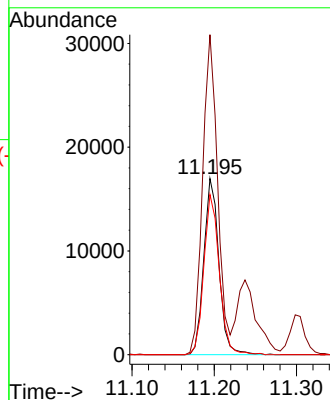
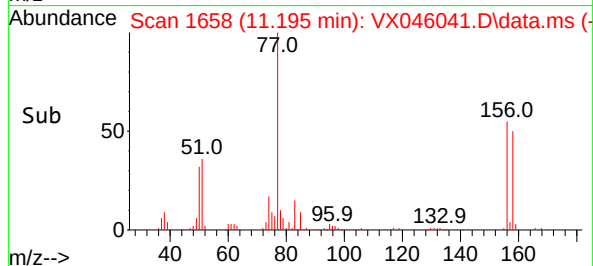
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:156 Resp: 21698
Ion Ratio Lower Upper
156 100
77 179.9 92.8 278.3
158 93.1 48.8 146.3

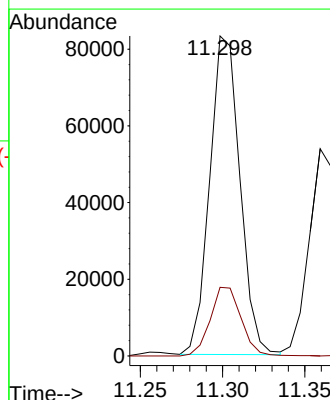
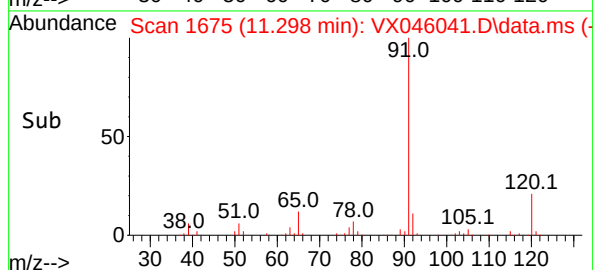
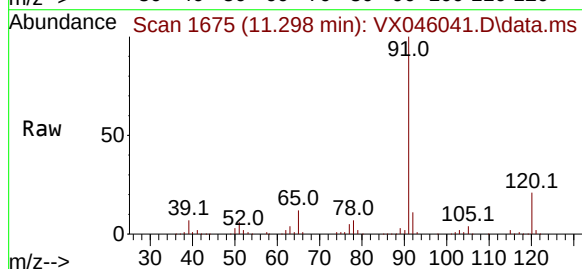
Manual Integrations
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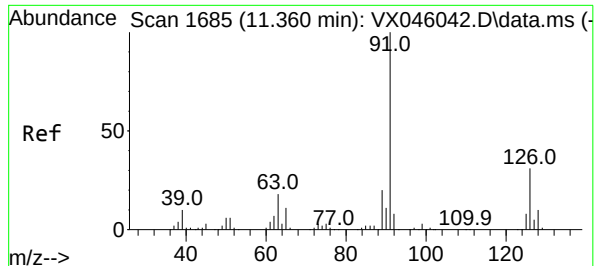
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#78
n-propylbenzene
Concen: 14.376 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 106337
Ion Ratio Lower Upper
91 100
120 22.0 10.8 32.4





#79

2-Chlorotoluene

Concen: 13.748 ug/l

RT: 11.359 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 68534

Ion Ratio Lower Upper

91 100

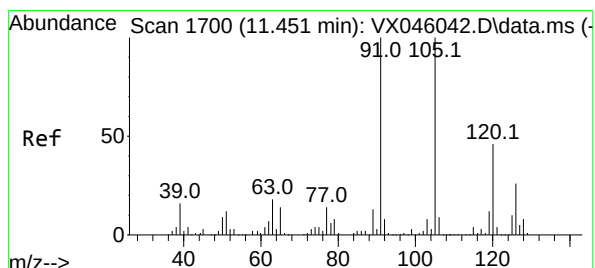
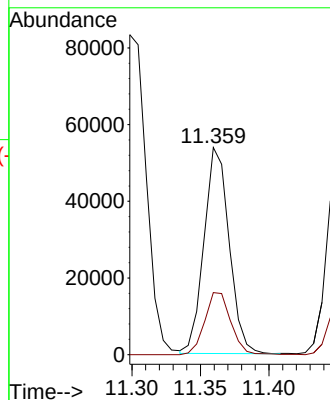
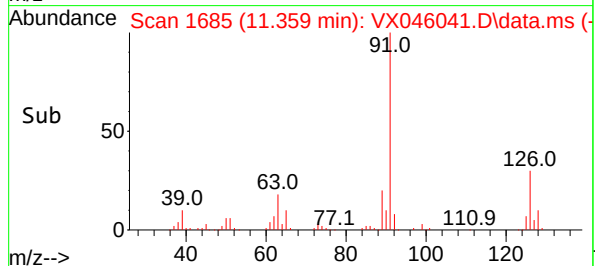
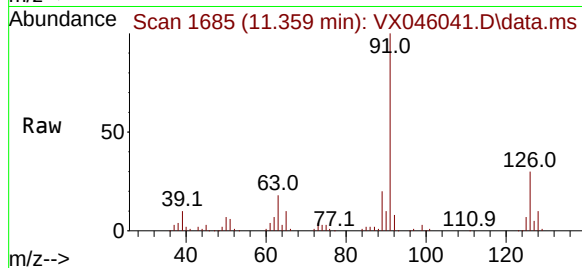
126 31.4 15.6 46.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#80

1,3,5-Trimethylbenzene

Concen: 14.468 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046041.D

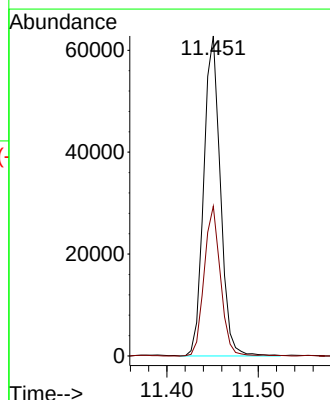
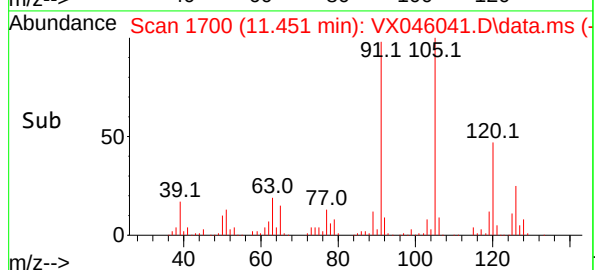
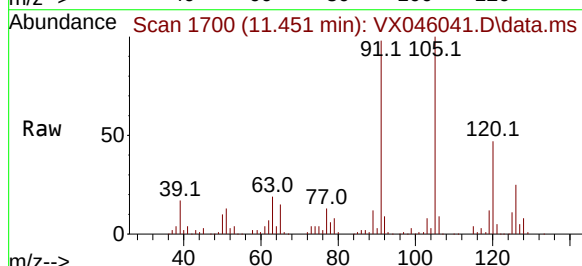
Acq: 05 May 2025 11:35

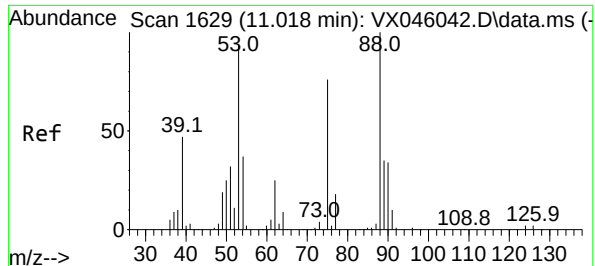
Tgt Ion:105 Resp: 79261

Ion Ratio Lower Upper

105 100

120 45.9 23.1 69.2





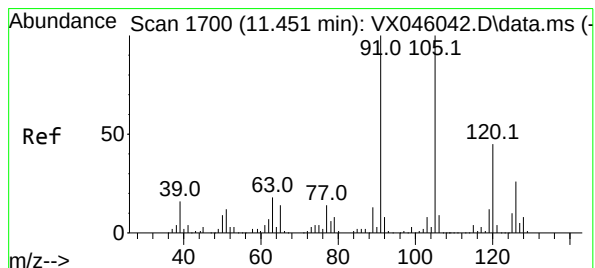
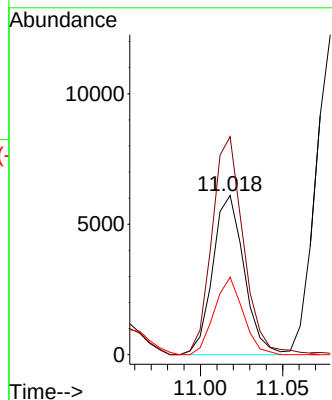
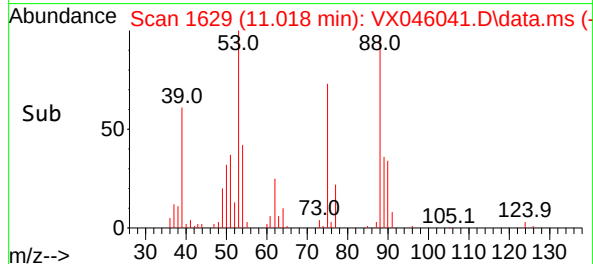
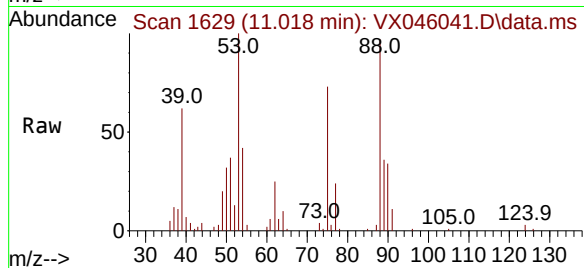
#81
trans-1,4-Dichloro-2-butene
Concen: 13.371 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 8104
Ion Ratio Lower Upper
75 100
53 138.3 100.5 150.7
89 44.6 37.0 55.6

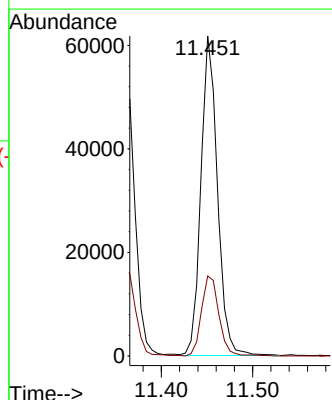
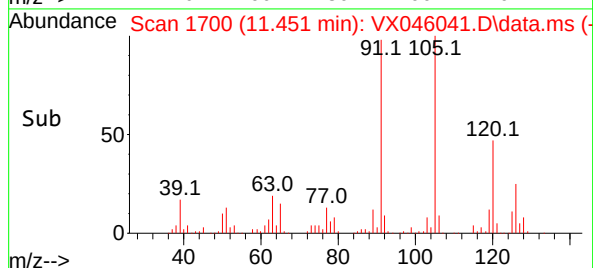
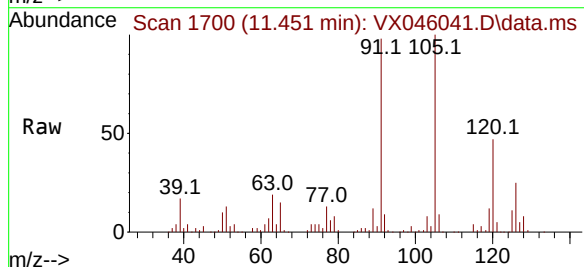
Manual Integrations
APPROVED

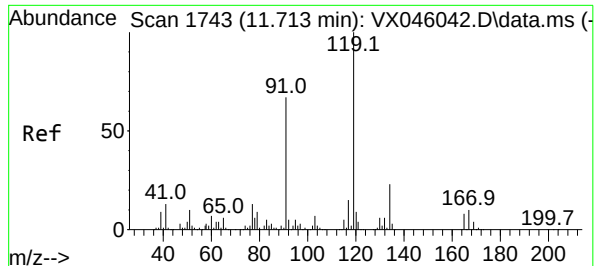
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#82
4-Chlorotoluene
Concen: 14.116 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

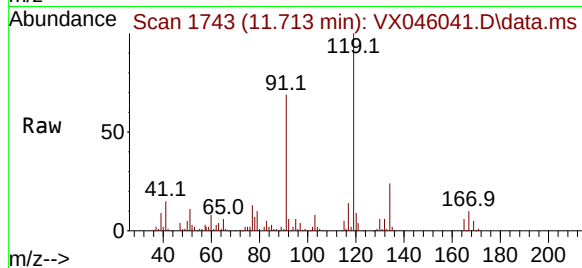
Tgt Ion: 91 Resp: 77338
Ion Ratio Lower Upper
91 100
126 26.5 13.3 39.8





#83
tert-Butylbenzene
Concen: 14.011 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

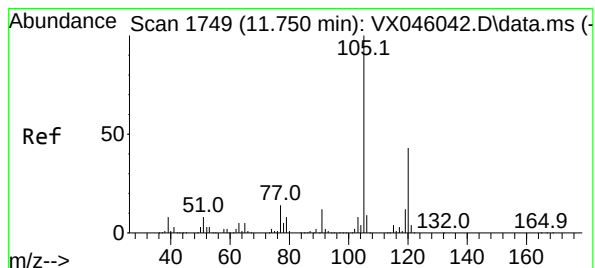
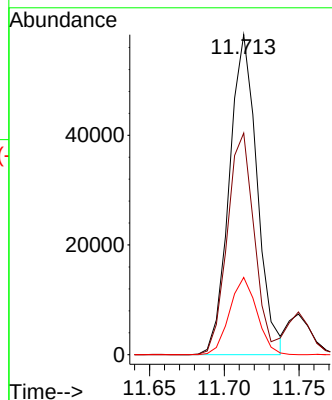
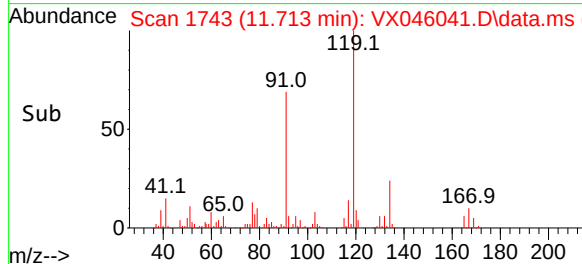
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:119 Resp: 75382
Ion Ratio Lower Upper
119 100
91 66.8 32.9 98.7
134 23.7 11.4 34.1

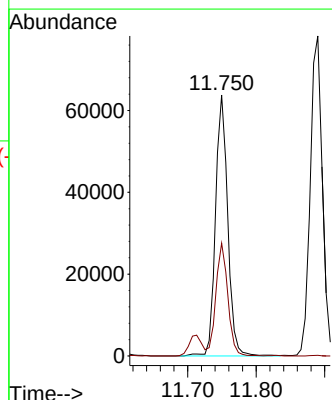
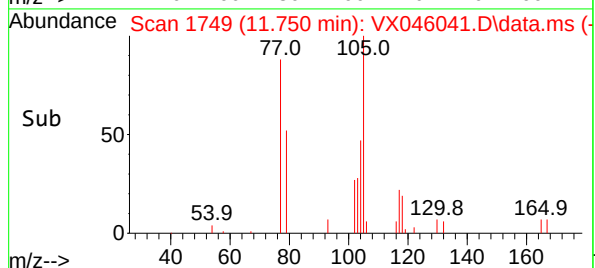
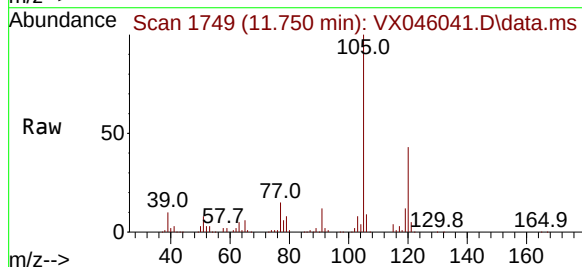
Manual Integrations
APPROVED

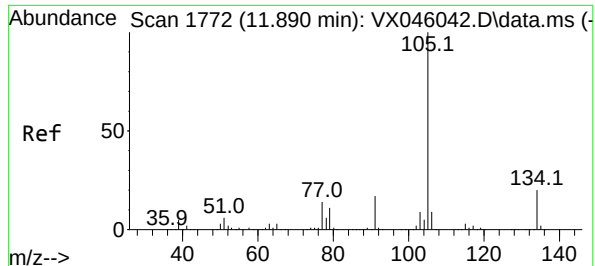
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#84
1,2,4-Trimethylbenzene
Concen: 14.480 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

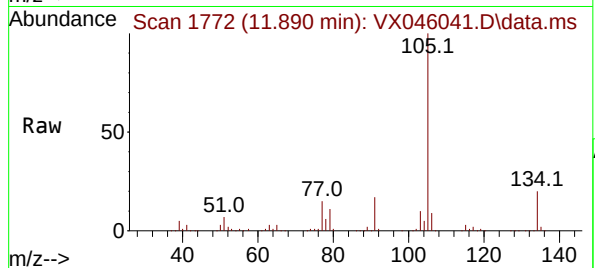
Tgt Ion:105 Resp: 79232
Ion Ratio Lower Upper
105 100
120 42.0 21.2 63.6





#85
sec-Butylbenzene
Concen: 14.263 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

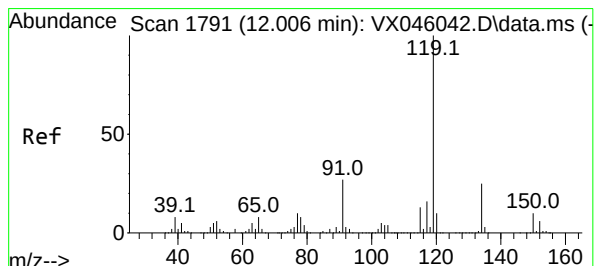
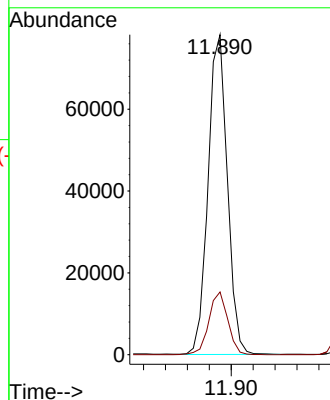
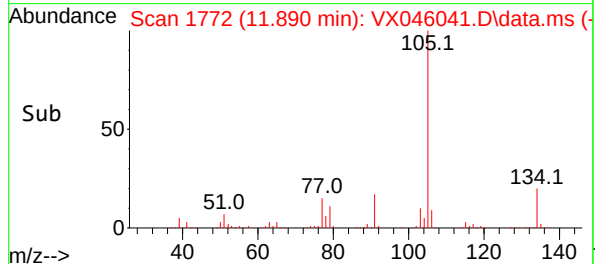
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion:105 Resp: 9527
Ion Ratio Lower Upper
105 100
134 19.3 9.7 29.1

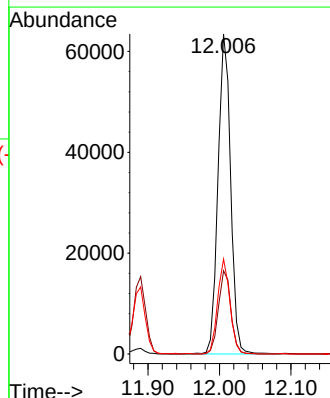
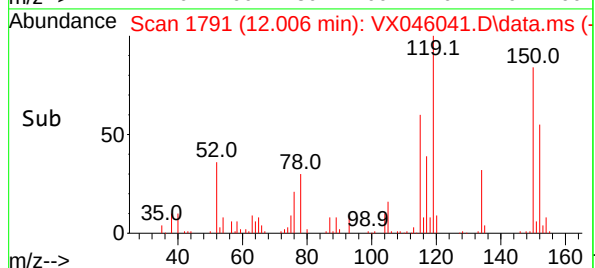
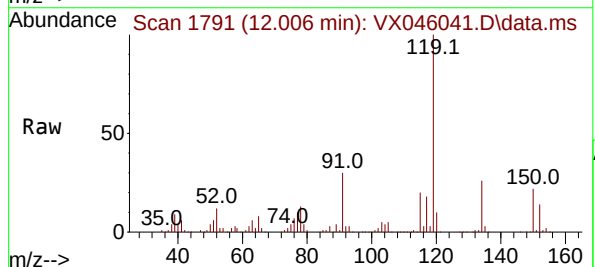
Manual Integrations
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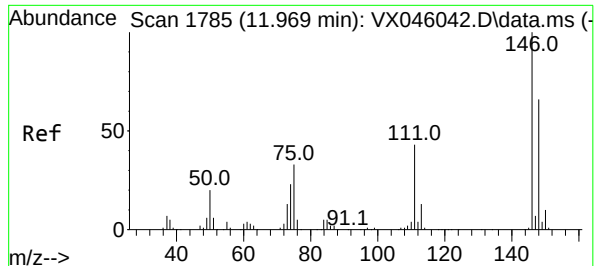
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#86
p-Isopropyltoluene
Concen: 14.387 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:119 Resp: 77599
Ion Ratio Lower Upper
119 100
134 25.9 12.5 37.5
91 28.8 13.8 41.4





#87

1,3-Dichlorobenzene

Concen: 13.898 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 39520

Ion Ratio Lower Upper

146 100

111 42.7 22.1 66.3

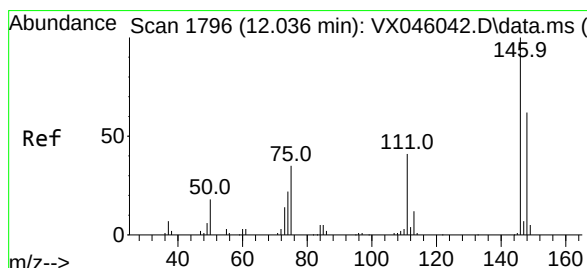
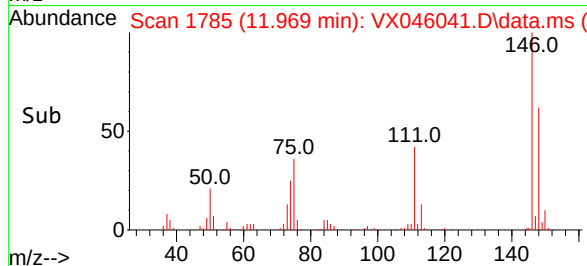
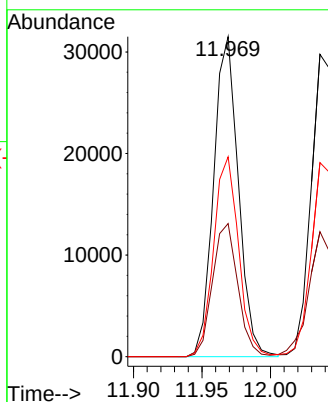
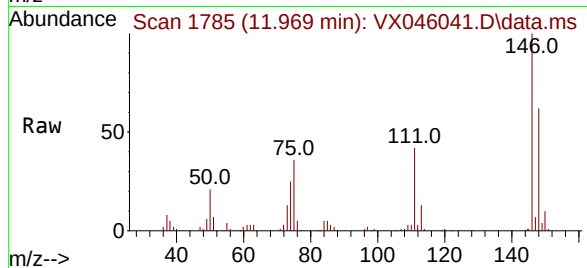
148 62.9 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#88

1,4-Dichlorobenzene

Concen: 14.146 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

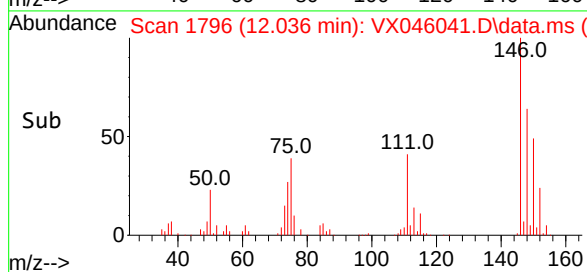
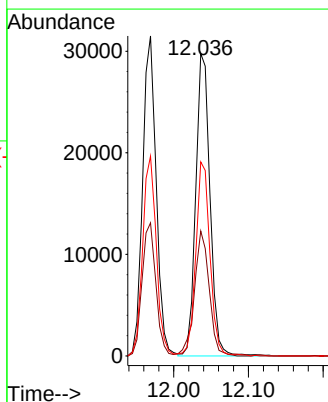
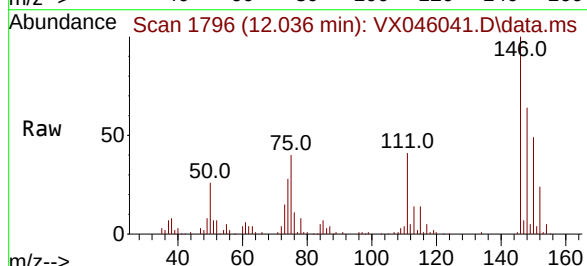
Tgt Ion:146 Resp: 39419

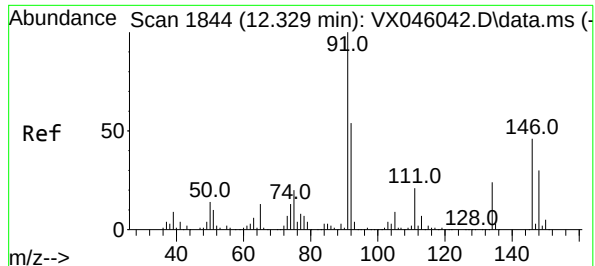
Ion Ratio Lower Upper

146 100

111 42.8 21.3 63.9

148 64.2 31.9 95.5





#89

n-Butylbenzene

Concen: 14.184 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX046041.D

Acq: 05 May 2025 11:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 66500

Ion Ratio Lower Upper

91 100

92 52.9 26.9 80.7

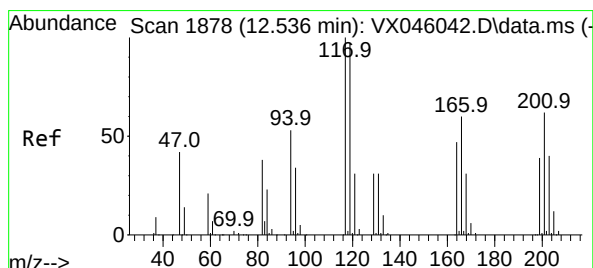
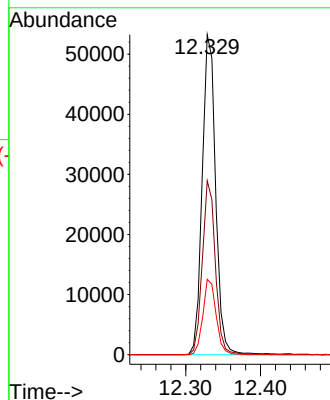
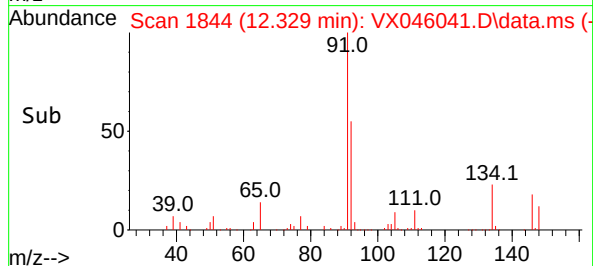
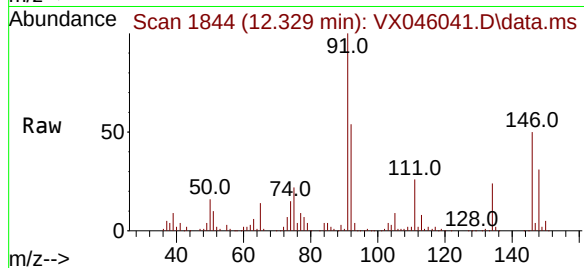
134 23.1 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#90

Hexachloroethane

Concen: 13.287 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX046041.D

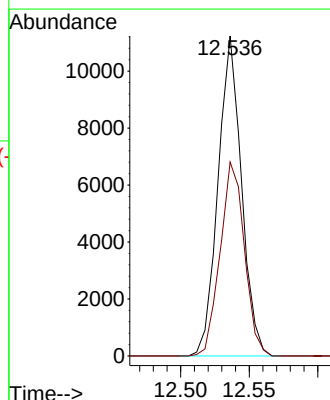
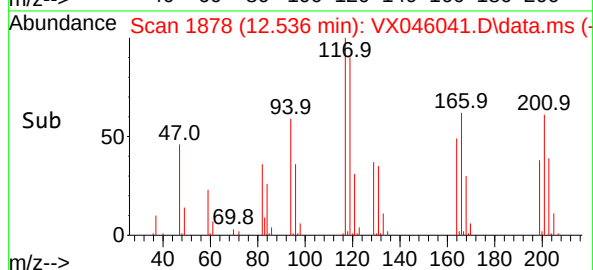
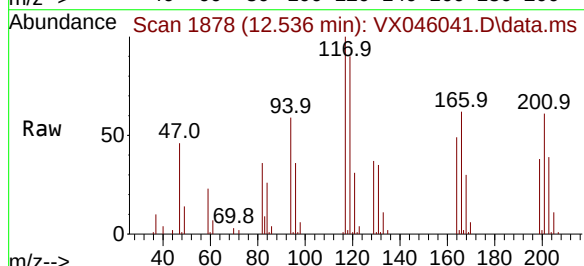
Acq: 05 May 2025 11:35

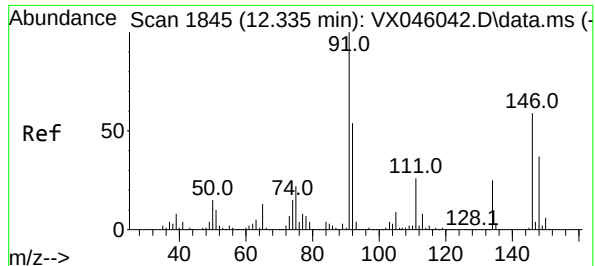
Tgt Ion:117 Resp: 13332

Ion Ratio Lower Upper

117 100

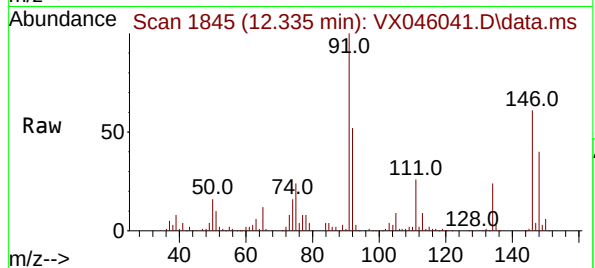
201 62.9 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 14.092 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

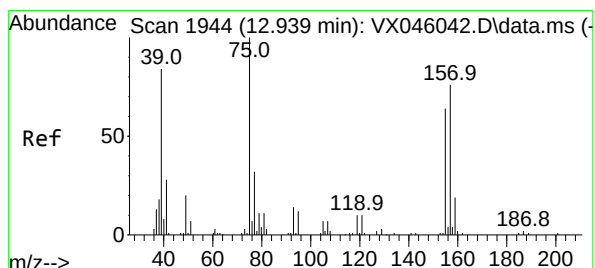
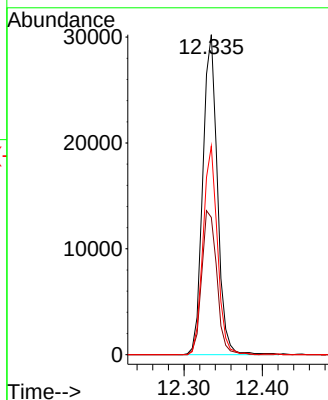
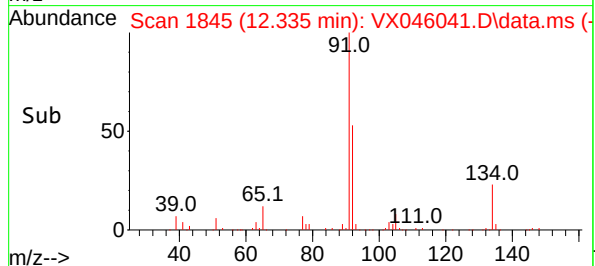
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion:146 Resp: 3903
Ion Ratio Lower Upper
146 100
111 46.6 22.4 67.3
148 64.2 31.6 94.8

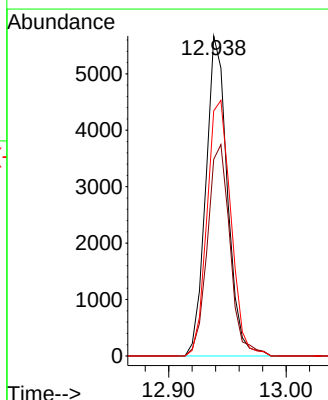
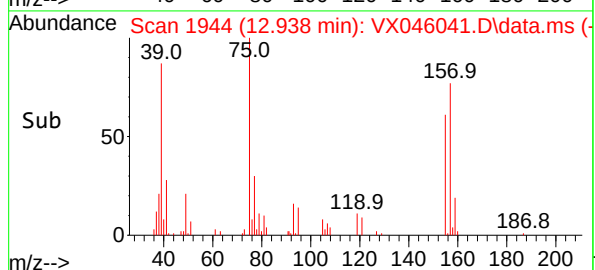
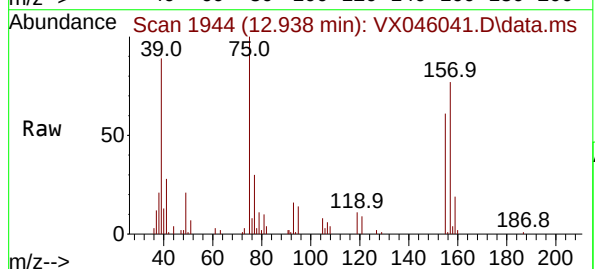
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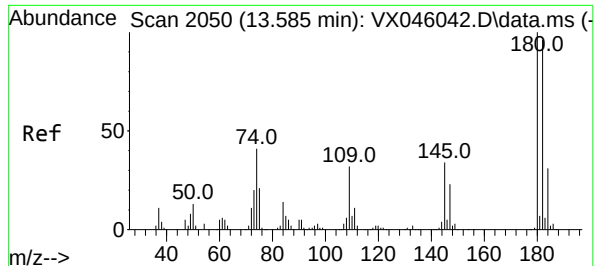
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 13.535 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

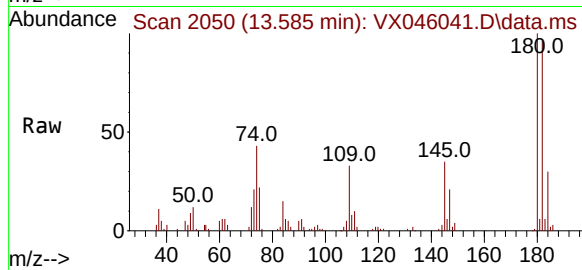
Tgt Ion: 75 Resp: 7232
Ion Ratio Lower Upper
75 100
155 69.4 34.9 104.8
157 88.4 43.8 131.4





#93
1,2,4-Trichlorobenzene
Concen: 13.745 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

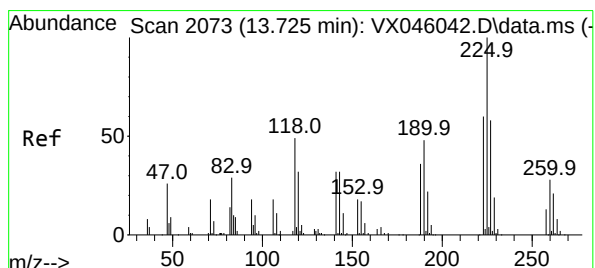
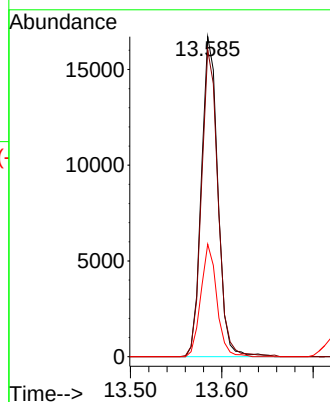
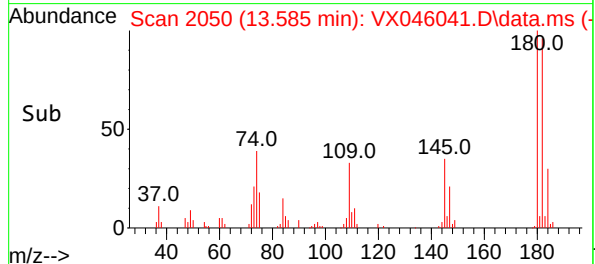
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:180 Resp: 20840
Ion Ratio Lower Upper
180 100
182 96.6 47.9 143.8
145 34.1 17.1 51.2

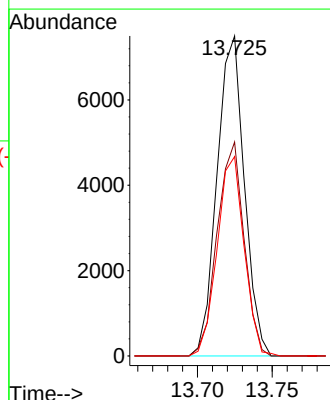
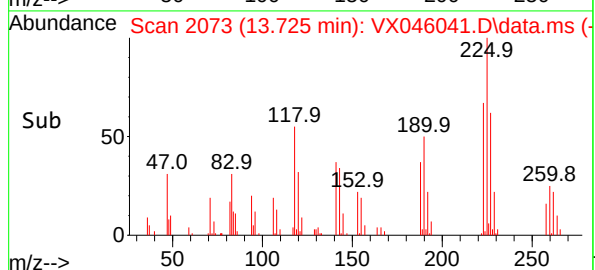
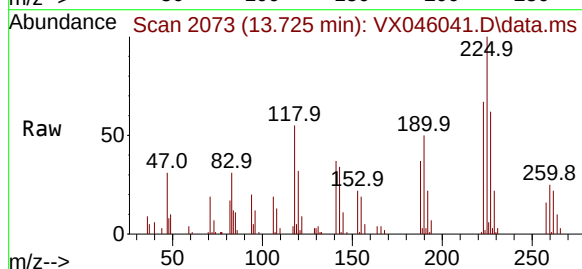
Manual Integrations
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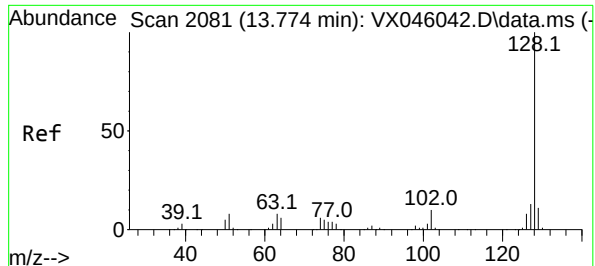
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#94
Hexachlorobutadiene
Concen: 13.426 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

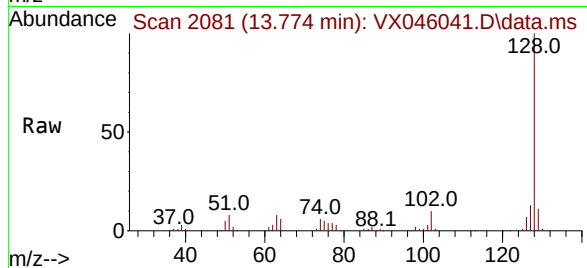
Tgt Ion:225 Resp: 9524
Ion Ratio Lower Upper
225 100
223 65.6 30.8 92.4
227 61.4 30.9 92.7





#95
Naphthalene
Concen: 14.040 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

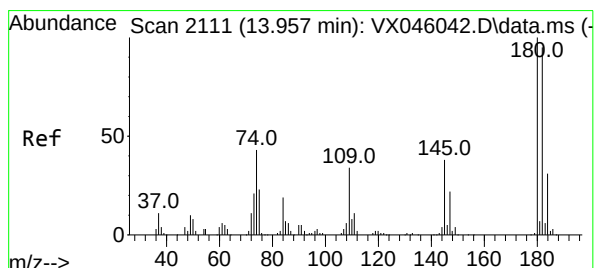
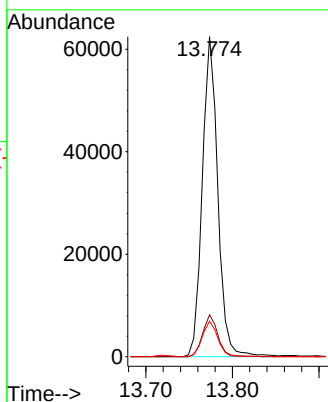
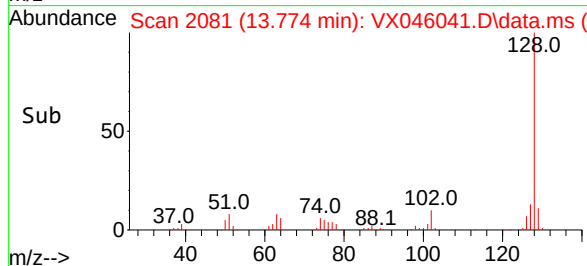
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion:128 Resp: 77542
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.1 8.6 13.0

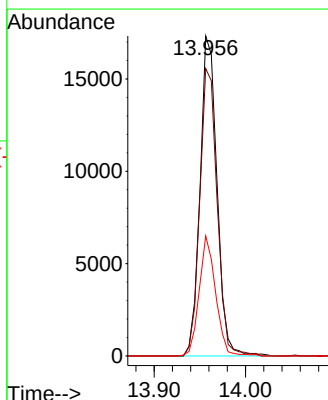
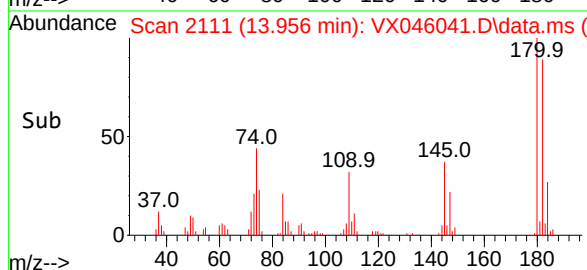
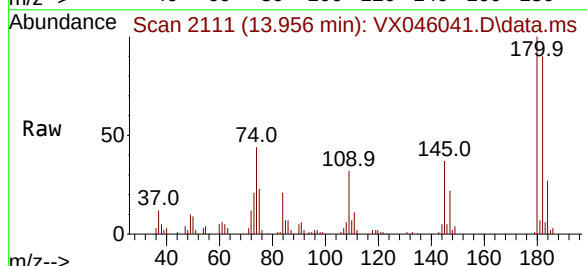
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 14.023 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:180 Resp: 22301
Ion Ratio Lower Upper
180 100
182 92.1 47.8 143.3
145 36.5 18.1 54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046042.D
 Acq On : 05 May 2025 11:58
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	97076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88371	30.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	61.200%#		
35) Dibromofluoromethane	5.379	113	59550	31.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	63.260%#		
50) Toluene-d8	8.647	98	205479	32.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	64.780%#		
62) 4-Bromofluorobenzene	11.079	95	79012	34.229	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	68.460%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	83826	39.120	ug/l	100
3) Chloromethane	1.307	50	75238	35.658	ug/l	100
4) Vinyl Chloride	1.374	62	68901	37.273	ug/l	100
5) Bromomethane	1.593	94	31648	33.765	ug/l	100
6) Chloroethane	1.666	64	36722	38.558	ug/l	100
7) Trichlorofluoromethane	1.874	101	103693	36.824	ug/l	100
8) Diethyl Ether	2.136	74	32724	35.350	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	62251	36.997	ug/l	100
10) Methyl Iodide	2.447	142	78277	39.622	ug/l	100
11) Tert butyl alcohol	2.977	59	62557	181.745	ug/l	100
12) 1,1-Dichloroethene	2.313	96	58334	35.610	ug/l	100
13) Acrolein	2.233	56	73927	184.907	ug/l	100
14) Allyl chloride	2.654	41	114445	36.971	ug/l	100
15) Acrylonitrile	3.062	53	188304	182.874	ug/l	100
16) Acetone	2.386	43	175777	177.910	ug/l	100
17) Carbon Disulfide	2.502	76	141281	37.223	ug/l	100
18) Methyl Acetate	2.703	43	82347	34.915	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	209665	36.695	ug/l	100
20) Methylene Chloride	2.782	84	66412	33.182	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	59234	35.421	ug/l	100
22) Diisopropyl ether	3.757	45	221172	38.241	ug/l	100
23) Vinyl Acetate	3.721	43	994236	194.528	ug/l	100
24) 1,1-Dichloroethane	3.605	63	122601	36.067	ug/l	100
25) 2-Butanone	4.556	43	269224	188.783	ug/l	100
26) 2,2-Dichloropropane	4.465	77	92857	36.059	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71518	35.466	ug/l	100
28) Bromochloromethane	4.898	49	56091	31.031	ug/l	100
29) Tetrahydrofuran	5.001	42	170124	183.679	ug/l	100
30) Chloroform	5.087	83	125850	35.626	ug/l	100
31) Cyclohexane	5.464	56	109459	38.205	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	109781	36.034	ug/l	100
36) 1,1-Dichloropropene	5.684	75	83215	38.073	ug/l	100
37) Ethyl Acetate	4.715	43	102537	37.394	ug/l	100
38) Carbon Tetrachloride	5.672	117	93712	37.320	ug/l	100
39) Methylcyclohexane	7.373	83	107651	39.307	ug/l	100
40) Benzene	6.031	78	247476	36.530	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046042.D
 Acq On : 05 May 2025 11:58
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	58082	38.123	ug/l	100
42) 1,2-Dichloroethane	6.080	62	105332	37.605	ug/l	100
43) Isopropyl Acetate	6.336	43	161787	38.598	ug/l	100
44) Trichloroethene	7.123	130	59623	37.230	ug/l	100
45) 1,2-Dichloropropane	7.428	63	62387	37.064	ug/l	100
46) Dibromomethane	7.574	93	48201	36.326	ug/l	100
47) Bromodichloromethane	7.818	83	96916	37.685	ug/l	100
48) Methyl methacrylate	7.690	41	84277	39.157	ug/l	100
49) 1,4-Dioxane	7.659	88	30529	713.477	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	532388	193.653	ug/l	100
52) Toluene	8.714	92	150757	37.530	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	88655	41.056	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	97031	38.521	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	59499	36.648	ug/l	100
56) Ethyl methacrylate	9.116	69	99947	39.726	ug/l	100
57) 1,3-Dichloropropane	9.305	76	104606	36.347	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	257678	227.902	ug/l	100
59) 2-Hexanone	9.427	43	396784	190.168	ug/l	100
60) Dibromochloromethane	9.519	129	67198	38.027	ug/l	100
61) 1,2-Dibromoethane	9.604	107	62633	37.567	ug/l	100
64) Tetrachloroethene	9.269	164	54853	36.726	ug/l	100
65) Chlorobenzene	10.079	112	160600	35.686	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57066	38.017	ug/l	100
67) Ethyl Benzene	10.189	91	295712	38.543	ug/l	100
68) m/p-Xylenes	10.299	106	216578	78.142	ug/l	100
69) o-Xylene	10.640	106	106335	38.064	ug/l	100
70) Styrene	10.653	104	178313	39.888	ug/l	100
71) Bromoform	10.799	173	44486	39.457	ug/l #	100
73) Isopropylbenzene	10.957	105	280719	37.865	ug/l	100
74) N-amyl acetate	10.842	43	140509	38.012	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	90975	34.495	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	80678m	28.468	ug/l	
77) Bromobenzene	11.195	156	63053	36.763	ug/l	100
78) n-propylbenzene	11.299	91	329981	39.707	ug/l	100
79) 2-Chlorotoluene	11.360	91	203509	36.336	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	237066	38.516	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	26179	38.445	ug/l	100
82) 4-Chlorotoluene	11.451	91	233172	37.880	ug/l	100
83) tert-Butylbenzene	11.713	119	233468	38.622	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	239433	38.946	ug/l	100
85) sec-Butylbenzene	11.890	105	291074	38.786	ug/l	100
86) p-Isopropyltoluene	12.006	119	241658	39.879	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	115651	36.199	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	115097	36.763	ug/l	100
89) n-Butylbenzene	12.329	91	213899	40.603	ug/l	100
90) Hexachloroethane	12.536	117	42314	37.534	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	115286	37.047	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21909	36.496	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	66655	39.117	ug/l	100
94) Hexachlorobutadiene	13.725	225	29007	36.395	ug/l	100
95) Naphthalene	13.774	128	245568	39.575	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	69262	38.765	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

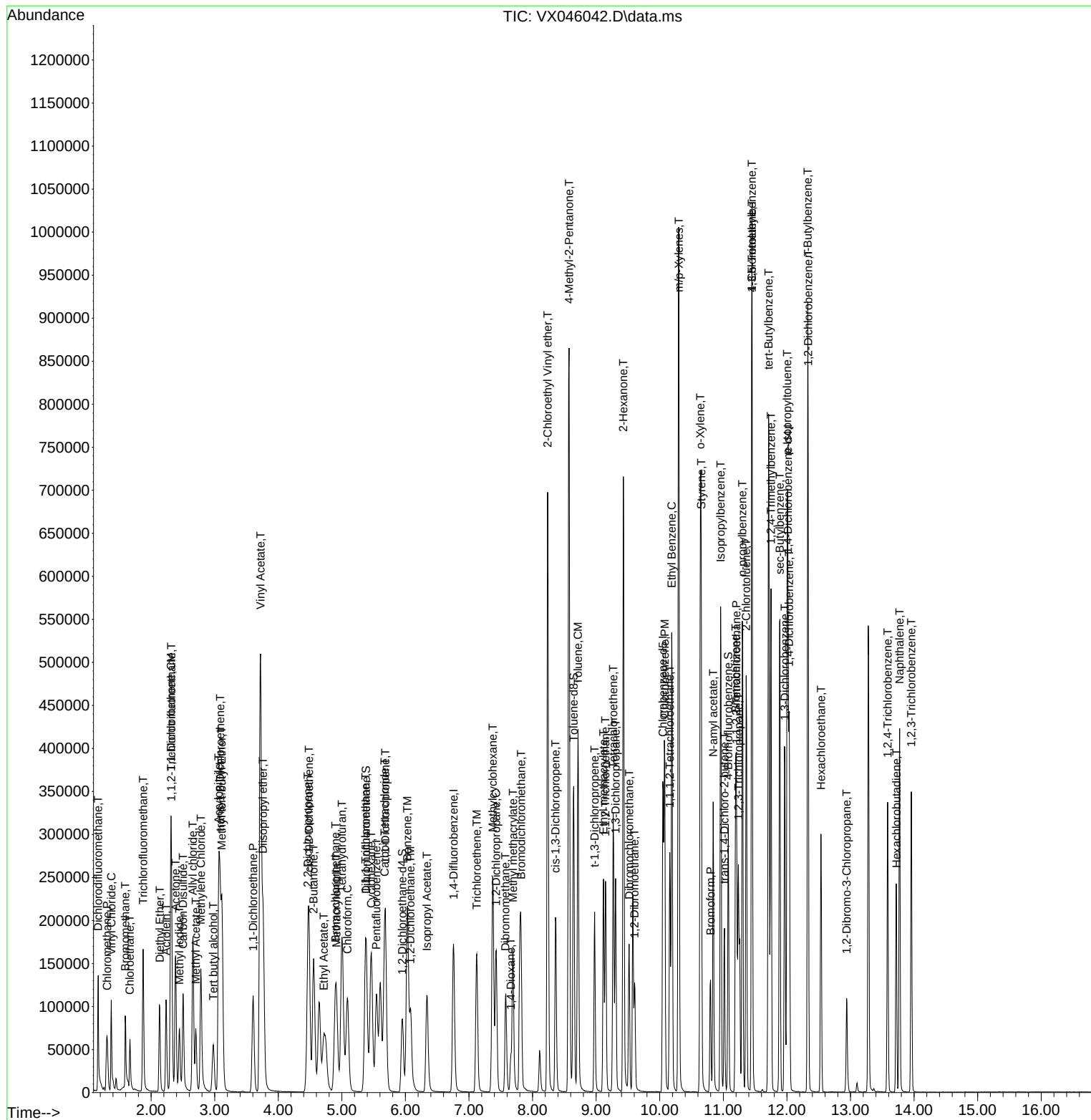
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

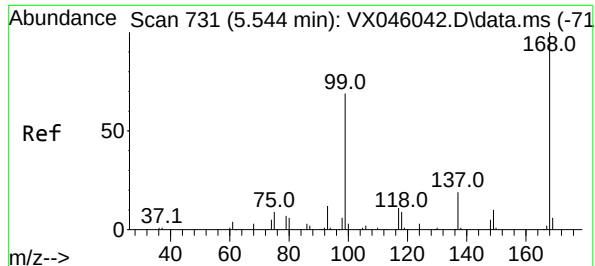
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025





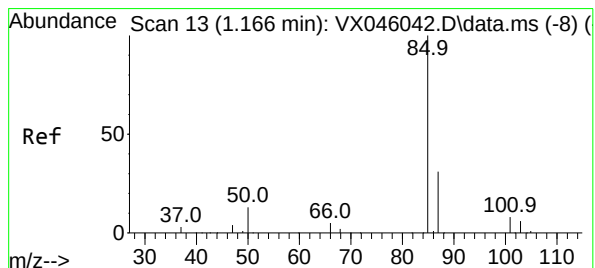
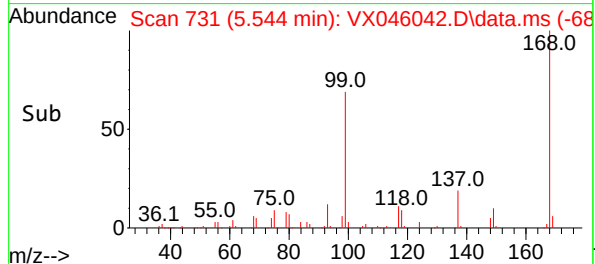
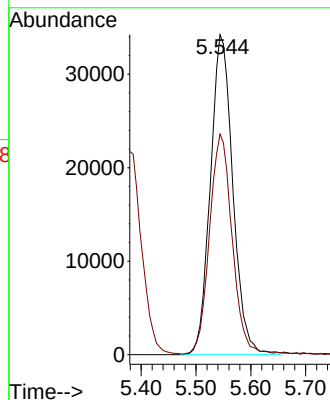
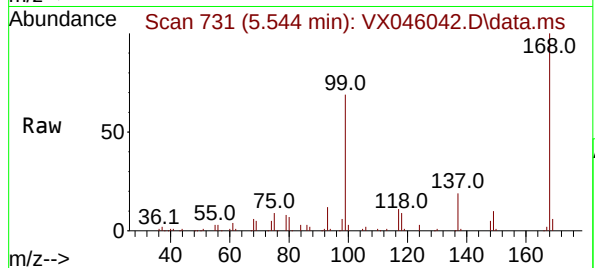
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 97070
Ion Ratio Lower Upper
168 100
99 68.6 54.9 82.3

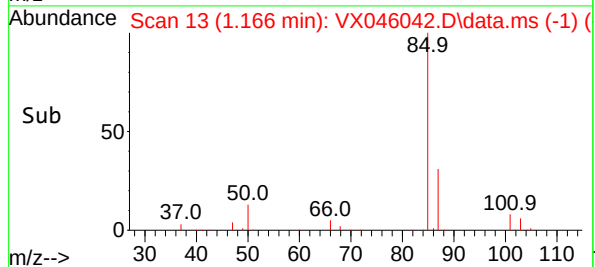
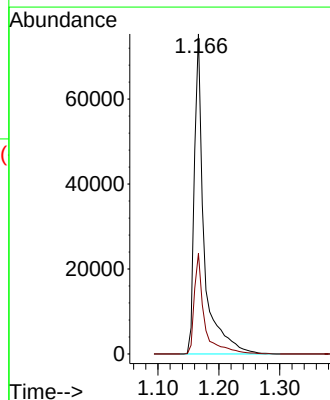
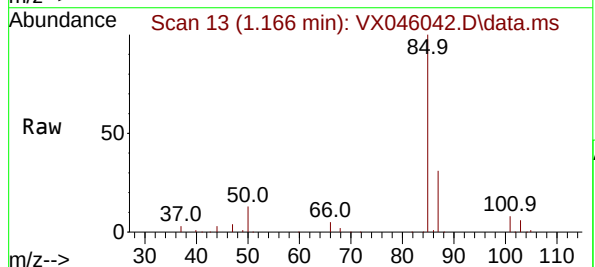
Manual Integrations
APPROVED

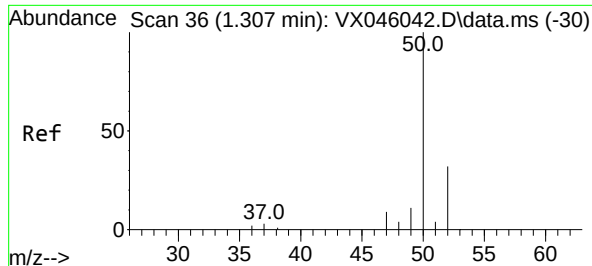
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#2
Dichlorodifluoromethane
Concen: 39.120 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 85 Resp: 83826
Ion Ratio Lower Upper
85 100
87 31.4 15.7 47.1





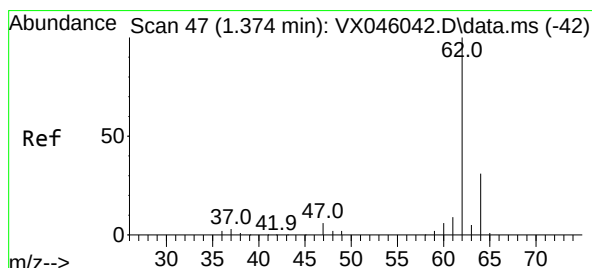
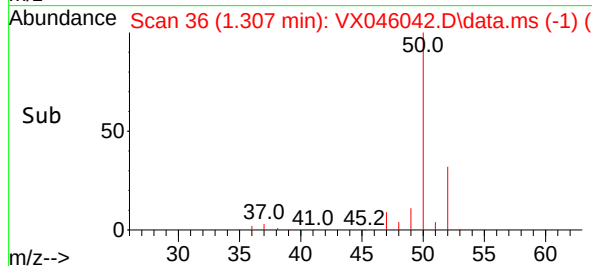
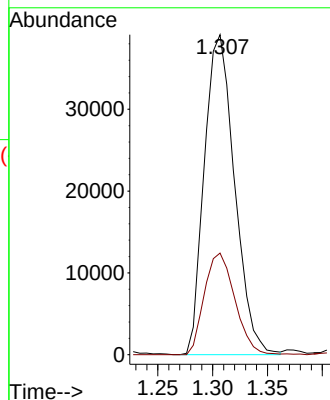
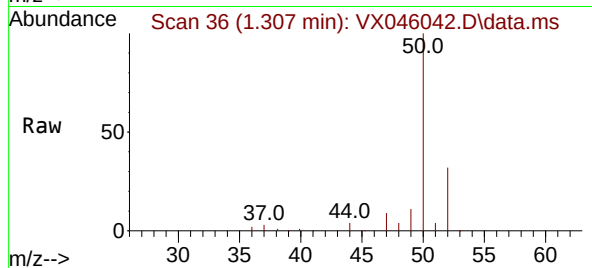
#3
Chloromethane
Concen: 35.658 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 75238
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.2

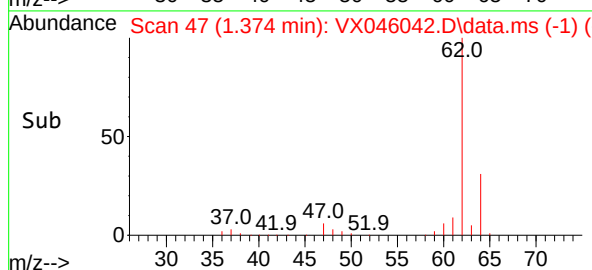
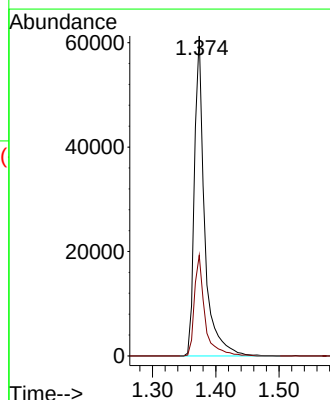
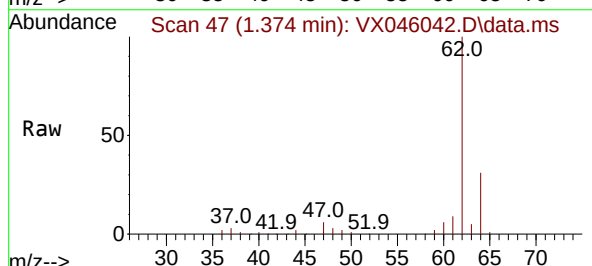
Manual Integrations
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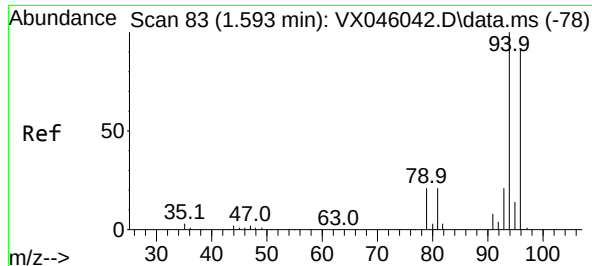
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#4
Vinyl Chloride
Concen: 37.273 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

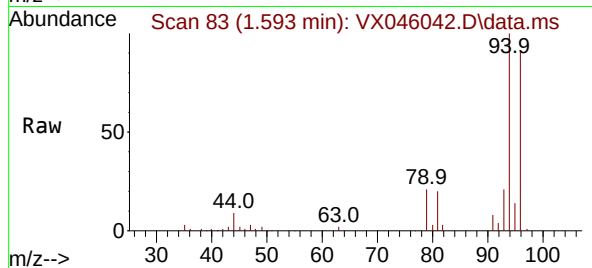
Tgt Ion: 62 Resp: 68901
Ion Ratio Lower Upper
62 100
64 31.5 25.2 37.8





#5
Bromomethane
Concen: 33.765 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

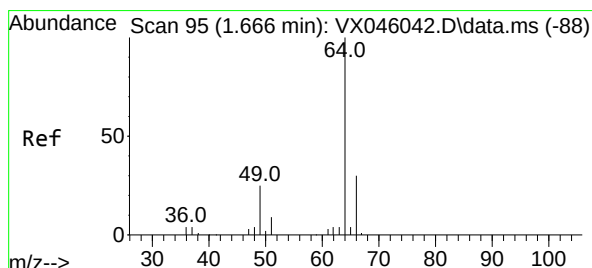
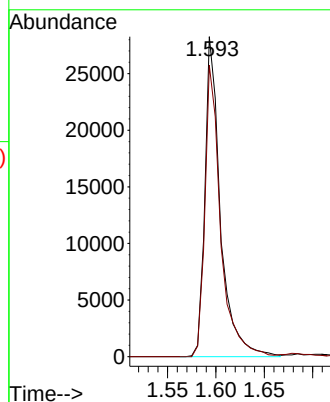
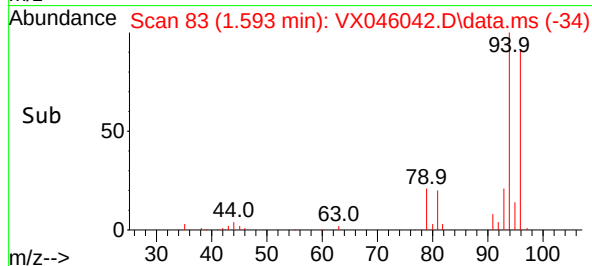
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 94 Resp: 31648
Ion Ratio Lower Upper
94 100
96 91.0 72.8 109.2

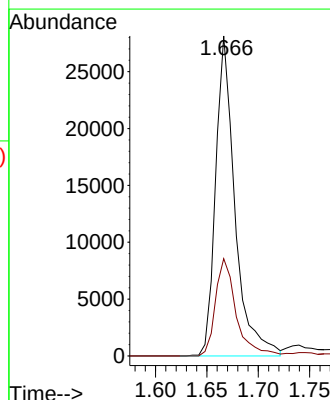
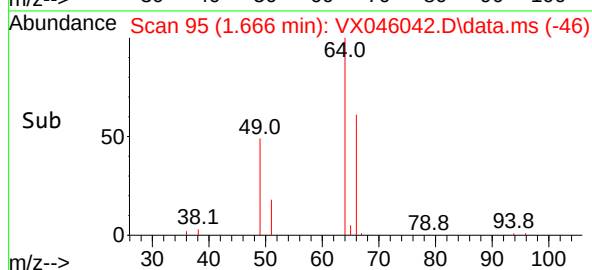
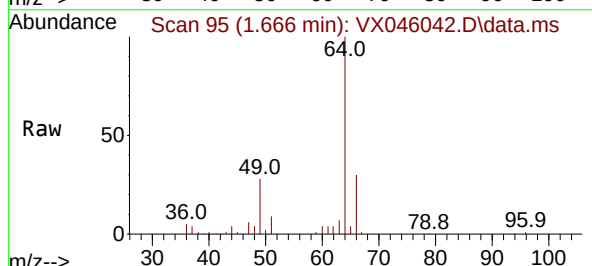
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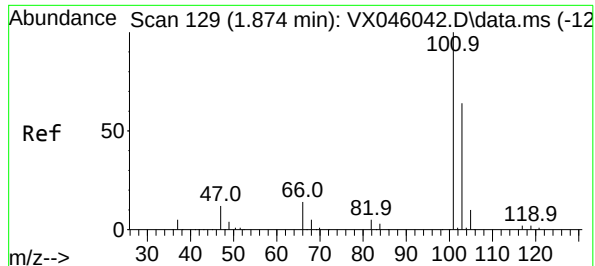
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#6
Chloroethane
Concen: 38.558 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

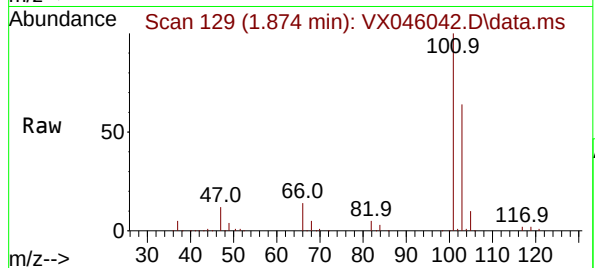
Tgt Ion: 64 Resp: 36722
Ion Ratio Lower Upper
64 100
66 30.4 24.3 36.5





#7
Trichlorofluoromethane
Concen: 36.824 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

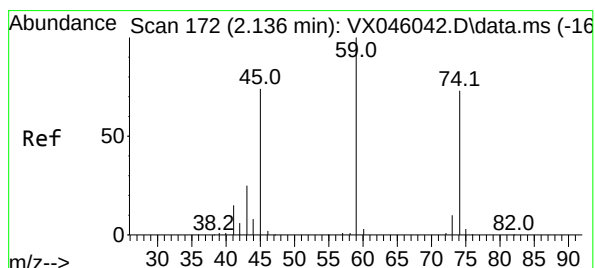
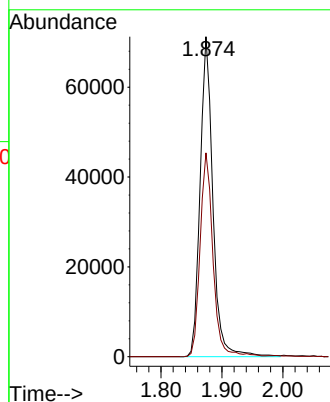
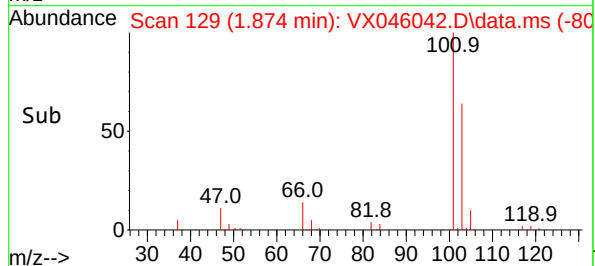
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 10369
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.4

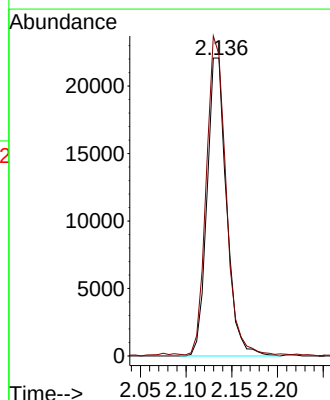
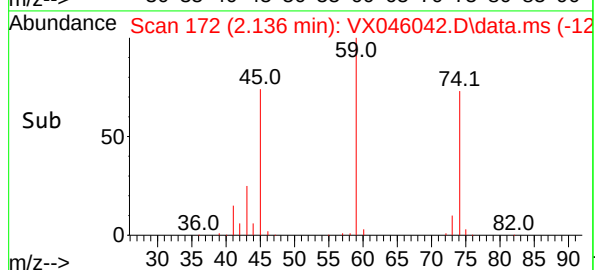
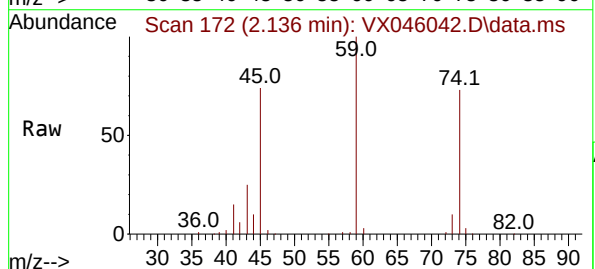
Manual Integrations
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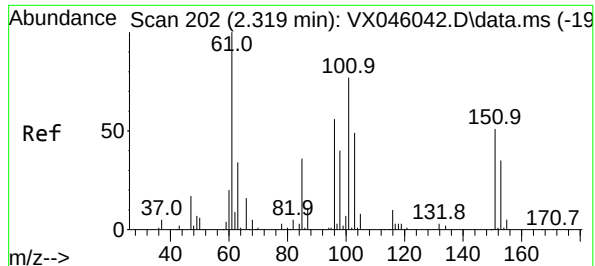
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#8
Diethyl Ether
Concen: 35.350 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 74 Resp: 32724
Ion Ratio Lower Upper
74 100
45 109.9 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.997 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 6225

Ion Ratio Lower Upper

101 100

85 48.3 38.6 58.0

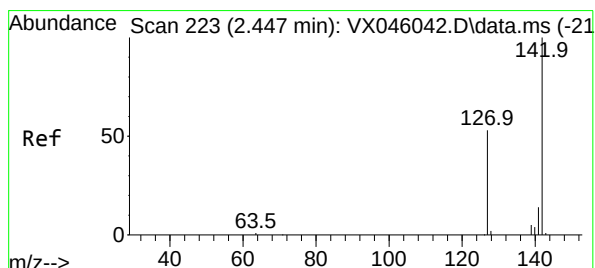
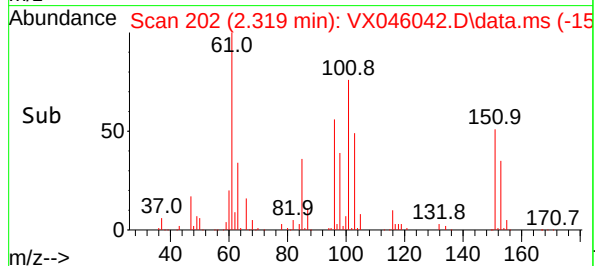
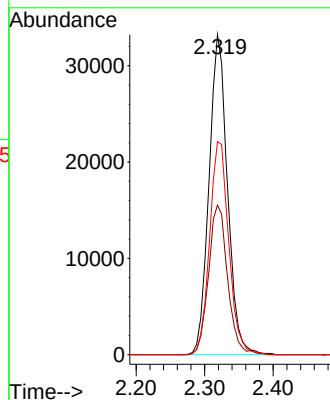
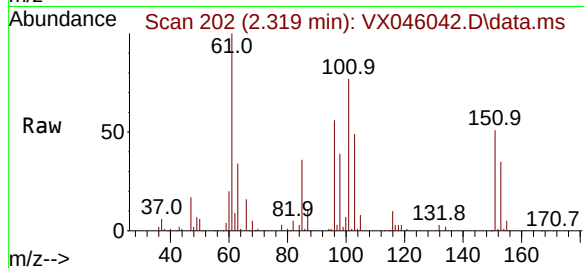
151 69.0 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#10

Methyl Iodide

Concen: 39.622 ug/l

RT: 2.447 min Scan# 223

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

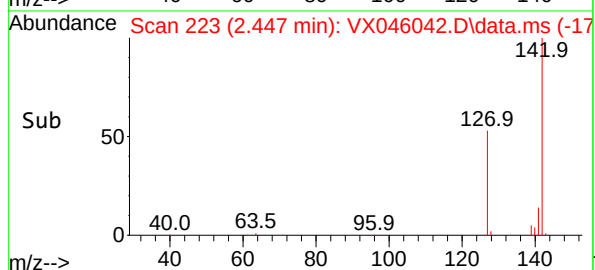
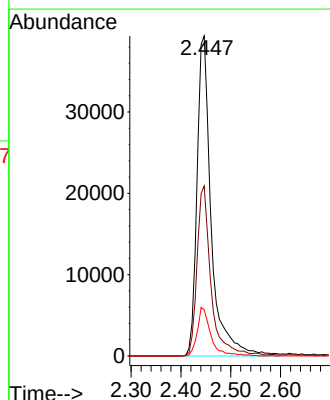
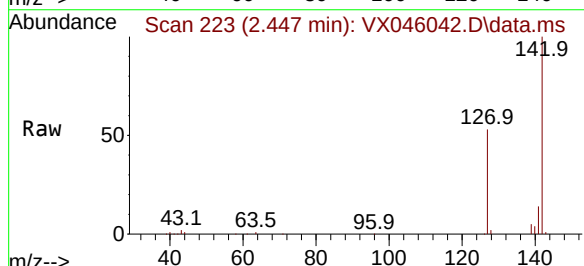
Tgt Ion:142 Resp: 78277

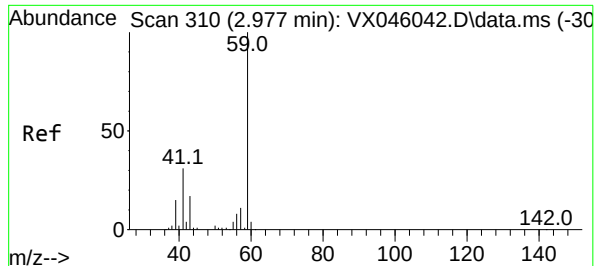
Ion Ratio Lower Upper

142 100

127 52.1 41.7 62.5

141 14.4 11.5 17.3





#11

Tert butyl alcohol

Concen: 181.745 ug/l

RT: 2.977 min Scan# 310

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 6255

Ion Ratio Lower Upper

59 100

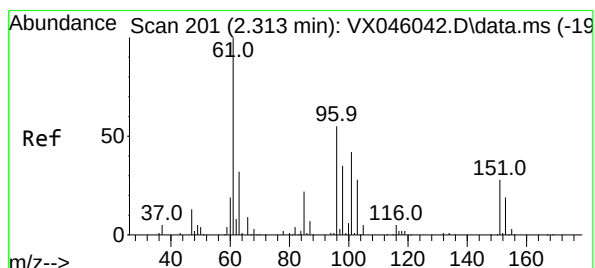
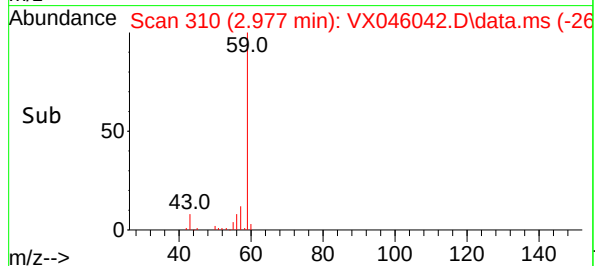
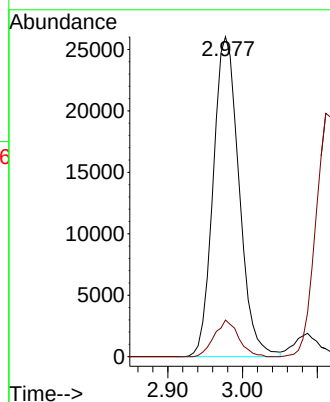
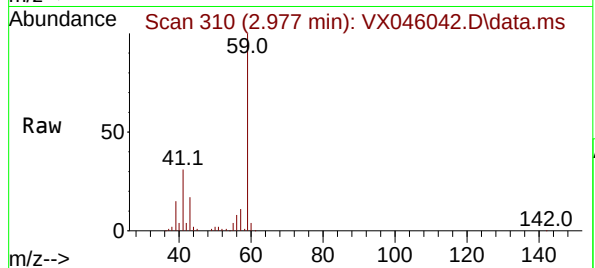
57 10.7 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#12

1,1-Dichloroethene

Concen: 35.610 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

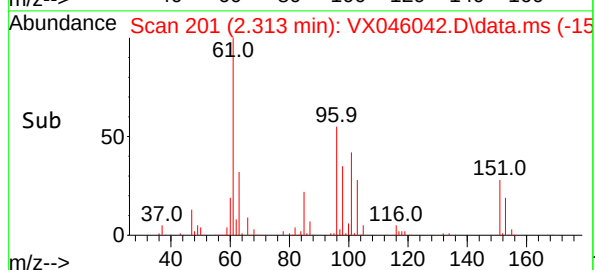
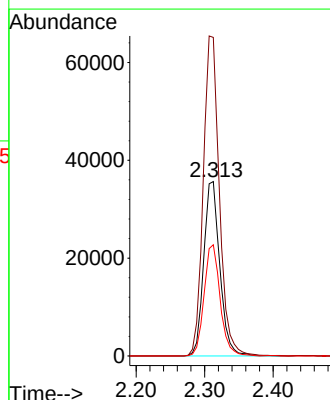
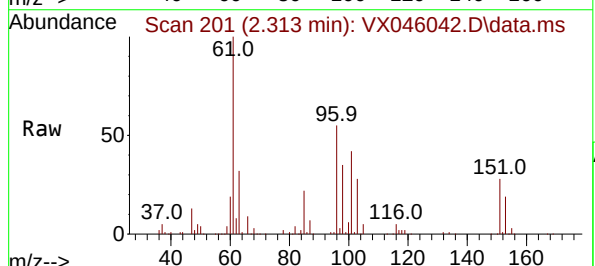
Tgt Ion: 96 Resp: 58334

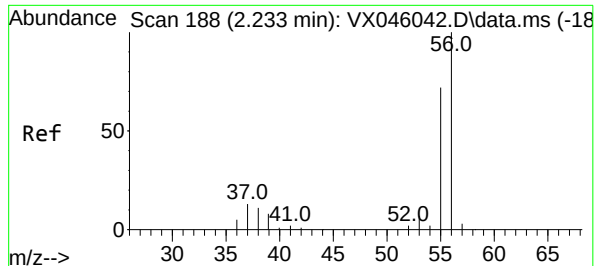
Ion Ratio Lower Upper

96 100

61 182.7 146.2 219.2

98 63.8 51.0 76.6





#13

Acrolein

Concen: 184.907 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 7392

Ion Ratio Lower Upper

56 100

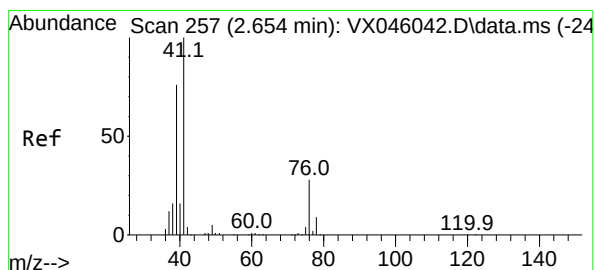
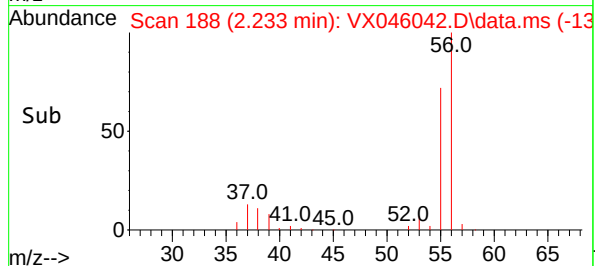
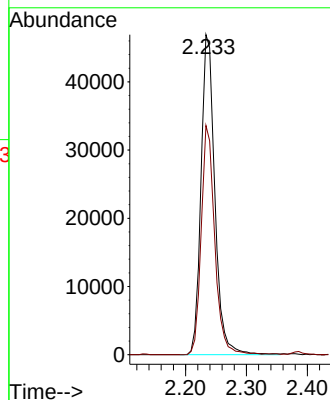
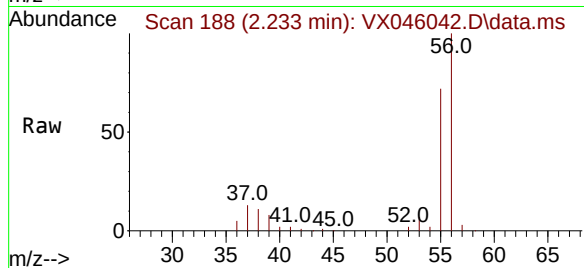
55 70.3 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#14

Allyl chloride

Concen: 36.971 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

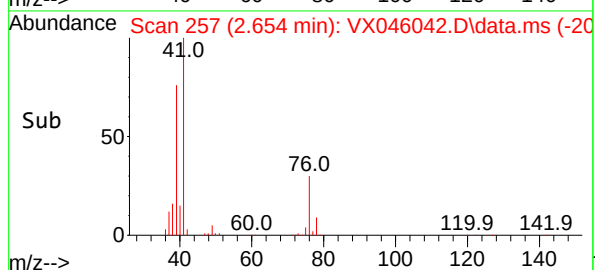
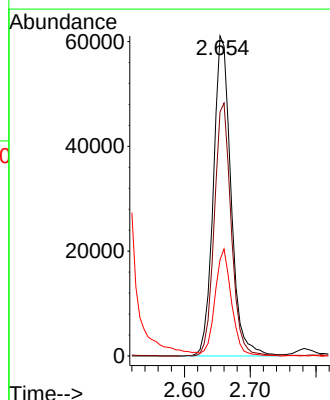
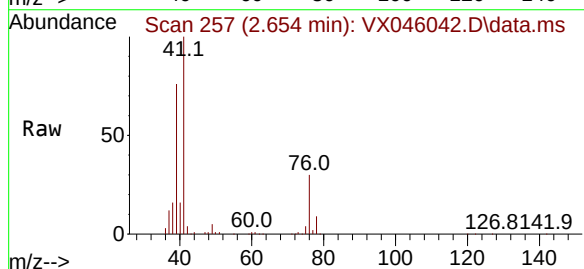
Tgt Ion: 41 Resp: 114445

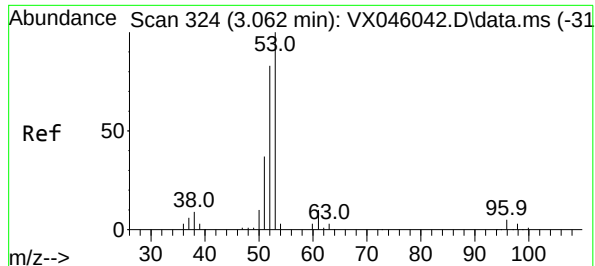
Ion Ratio Lower Upper

41 100

39 75.7 60.6 90.8

76 31.1 24.9 37.3





#15

Acrylonitrile

Concen: 182.874 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

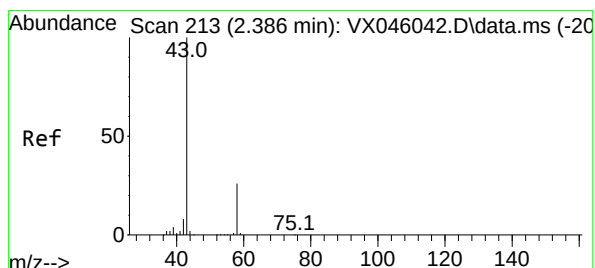
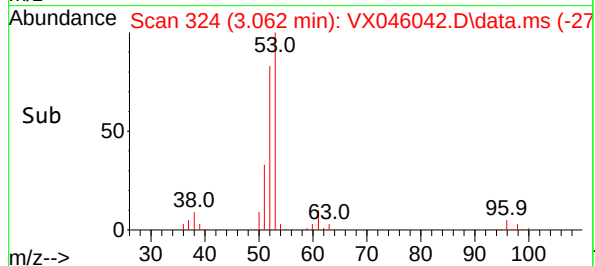
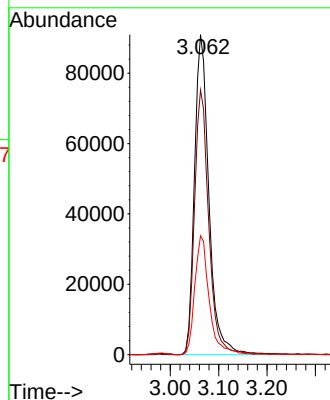
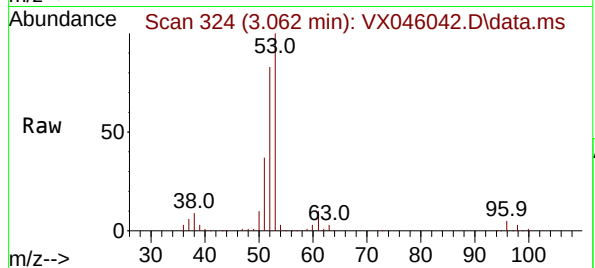
Tgt Ion:	53	Resp:	188304
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	37.3	29.8	44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#16

Acetone

Concen: 177.910 ug/l

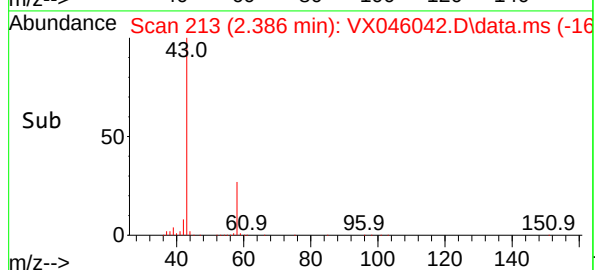
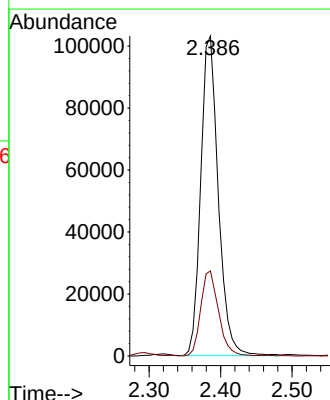
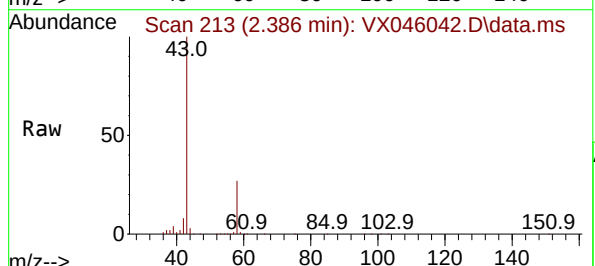
RT: 2.386 min Scan# 213

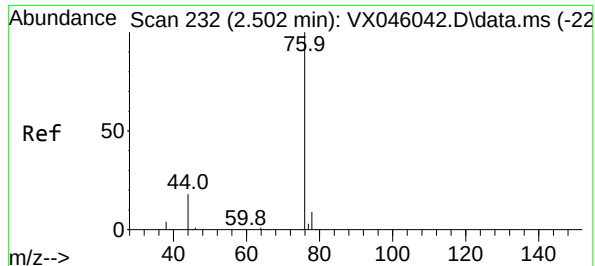
Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Tgt Ion:	43	Resp:	175777
Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8





#17

Carbon Disulfide

Concen: 37.223 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 14128

Ion Ratio Lower Upper

76 100

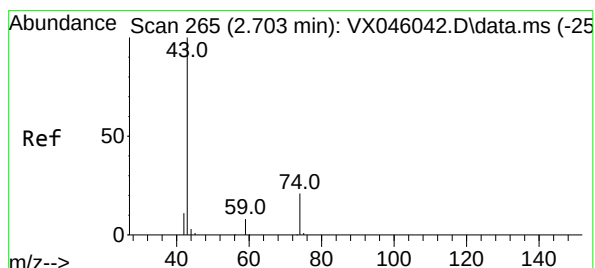
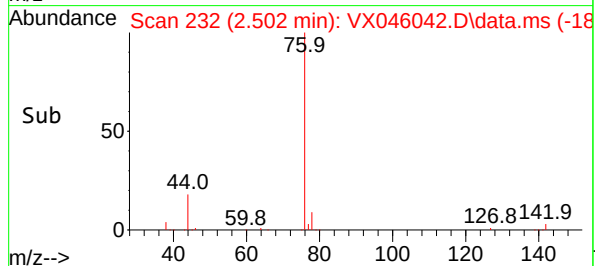
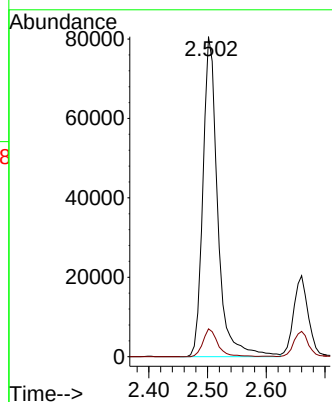
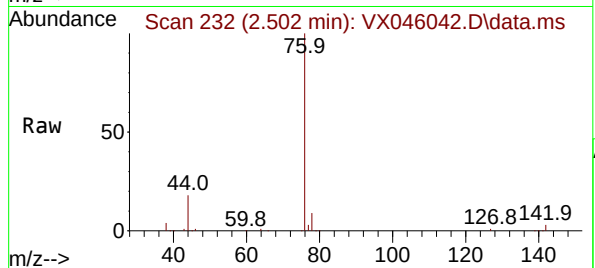
78 8.7 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#18

Methyl Acetate

Concen: 34.915 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX046042.D

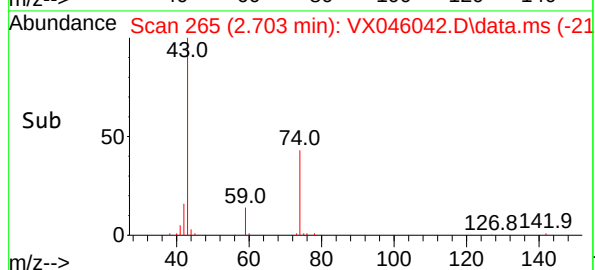
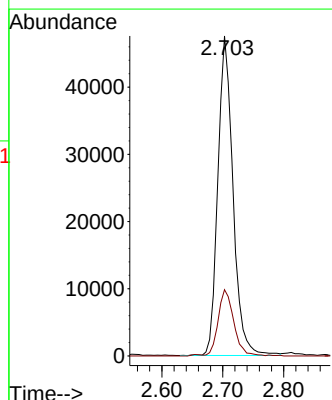
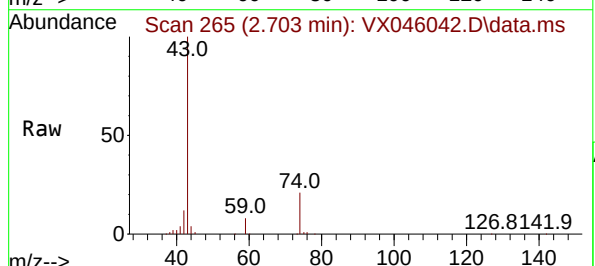
Acq: 05 May 2025 11:58

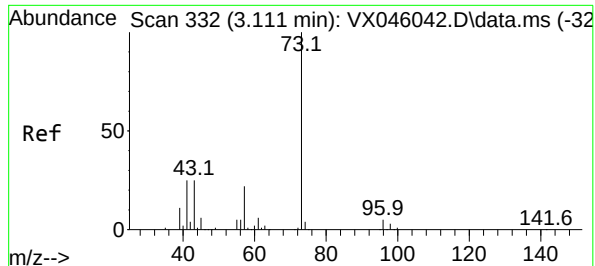
Tgt Ion: 43 Resp: 82347

Ion Ratio Lower Upper

43 100

74 20.9 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 36.695 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 20966

Ion Ratio Lower Upper

73 100

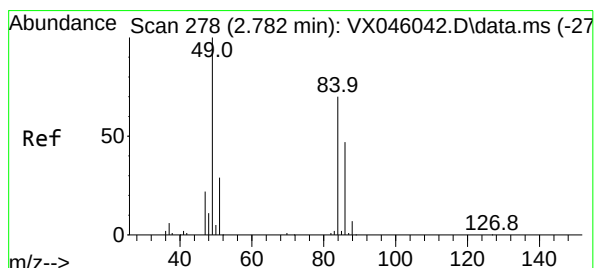
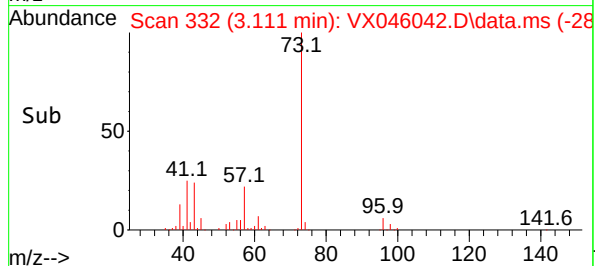
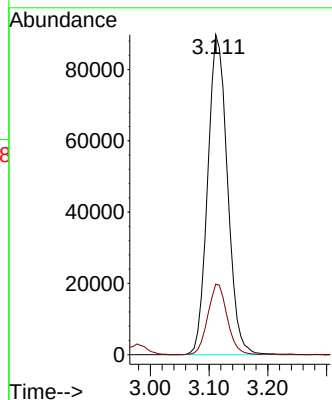
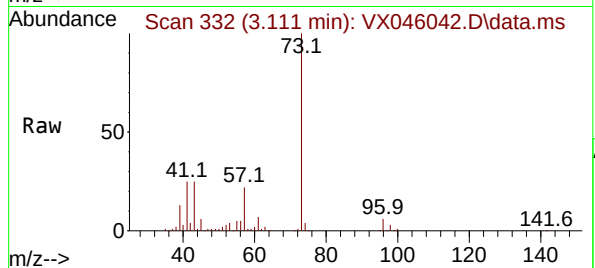
57 22.1 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#20

Methylene Chloride

Concen: 33.182 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Tgt Ion: 84 Resp: 66412

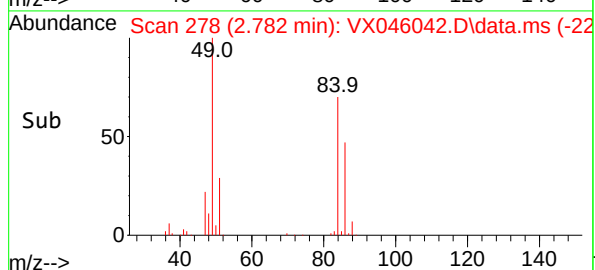
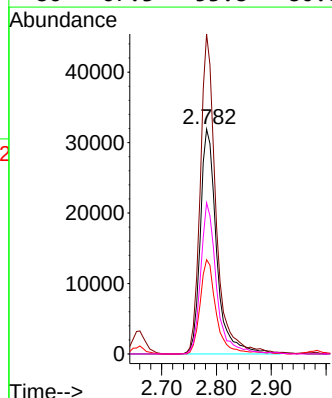
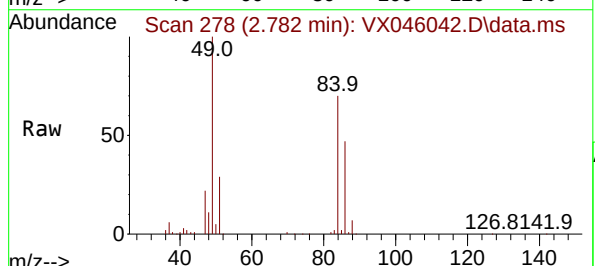
Ion Ratio Lower Upper

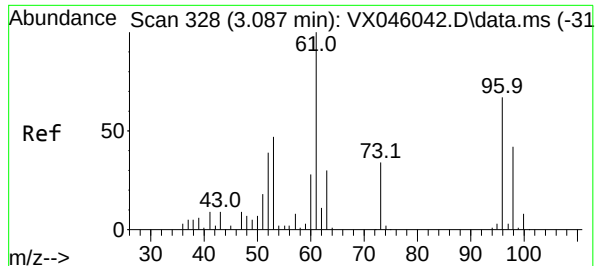
84 100

49 142.4 113.9 170.9

51 41.9 33.5 50.3

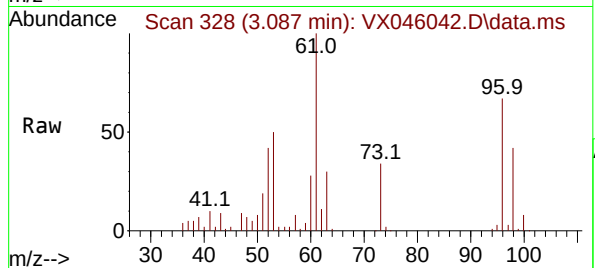
86 67.3 53.8 80.8





#21
trans-1,2-Dichloroethene
Concen: 35.421 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

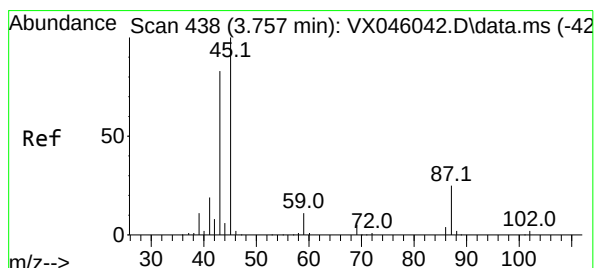
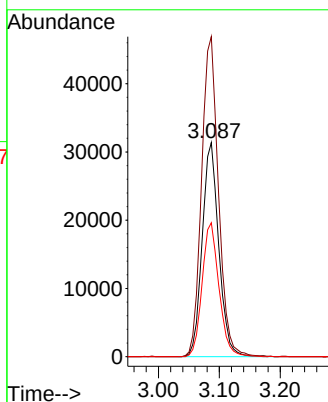
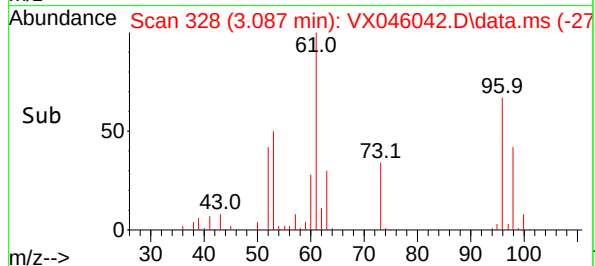
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 59234
Ion Ratio Lower Upper
96 100
61 149.4 119.5 179.3
98 62.5 50.0 75.0

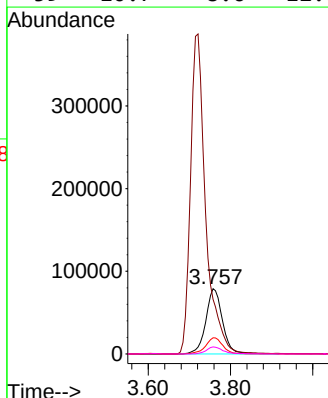
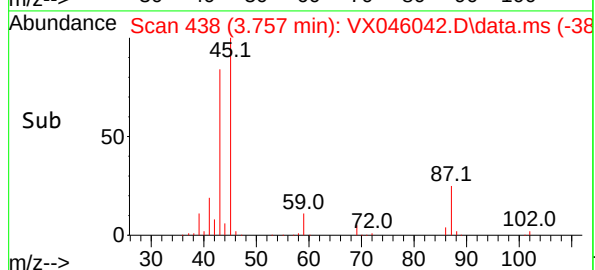
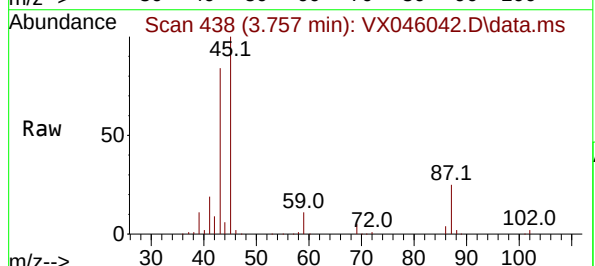
Manual Integrations
APPROVED

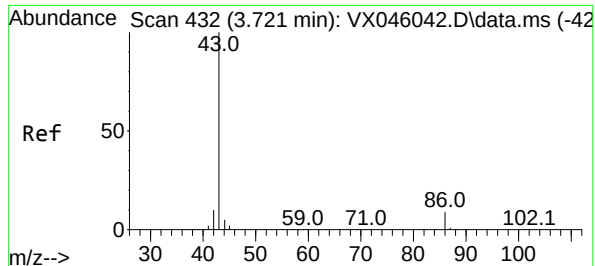
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#22
Diisopropyl ether
Concen: 38.241 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 45 Resp: 221172
Ion Ratio Lower Upper
45 100
43 83.3 66.6 100.0
87 24.7 19.8 29.6
59 10.7 8.6 12.8





#23

Vinyl Acetate

Concen: 194.528 ug/l

RT: 3.721 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 994230

Ion Ratio Lower Upper

43 100

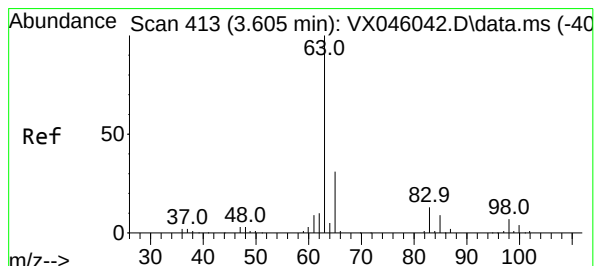
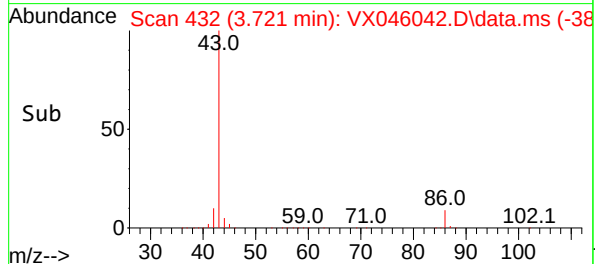
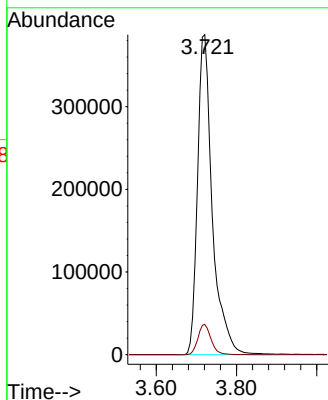
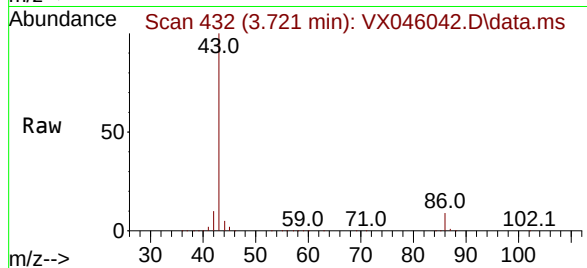
86 9.4 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#24

1,1-Dichloroethane

Concen: 36.067 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

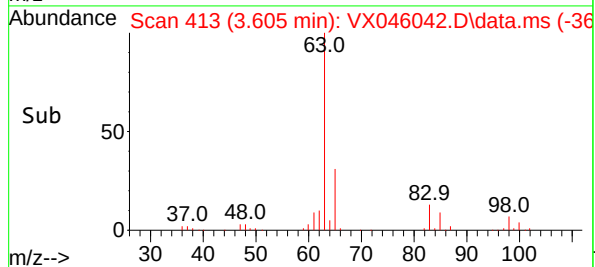
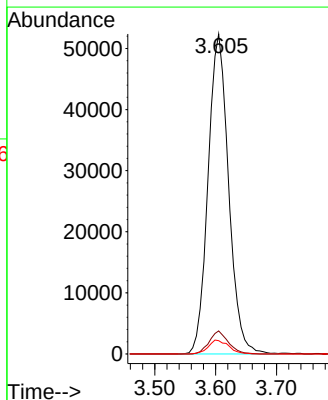
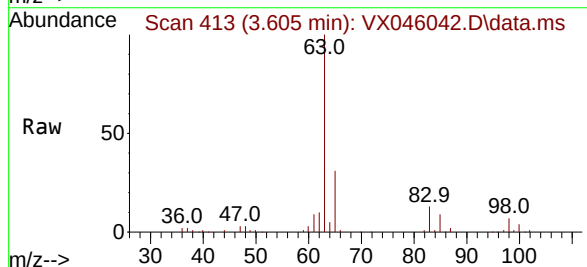
Tgt Ion: 63 Resp: 122601

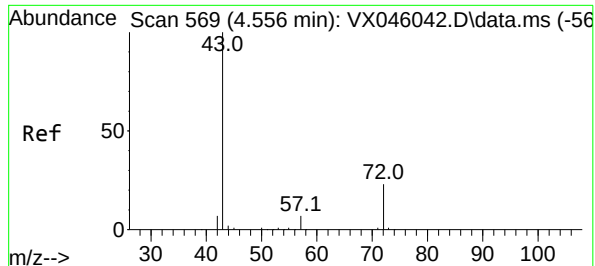
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 188.783 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 269224

Ion Ratio Lower Upper

43 100

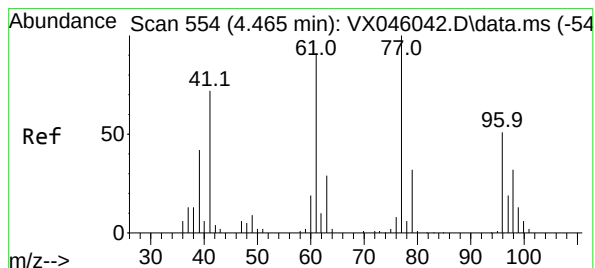
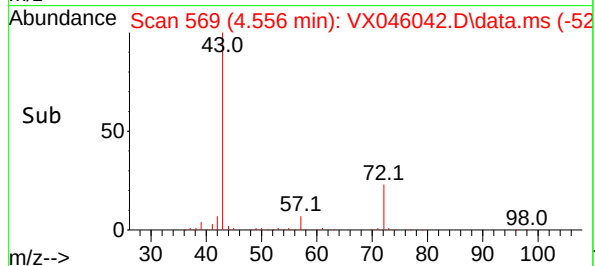
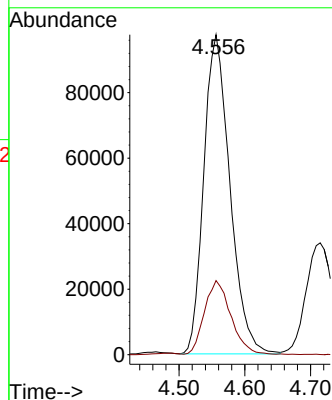
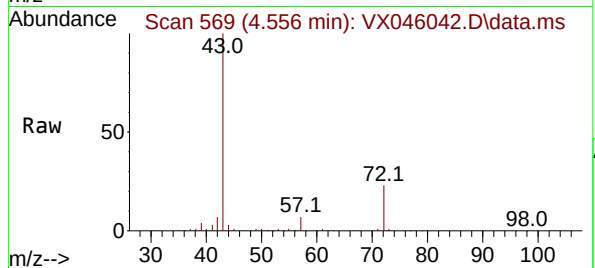
72 23.0 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#26

2,2-Dichloropropane

Concen: 36.059 ug/l

RT: 4.465 min Scan# 554

Delta R.T. 0.000 min

Lab File: VX046042.D

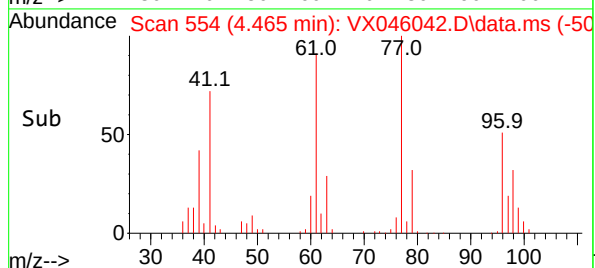
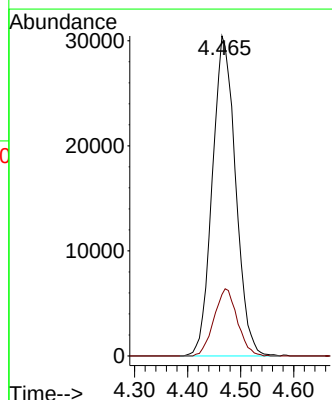
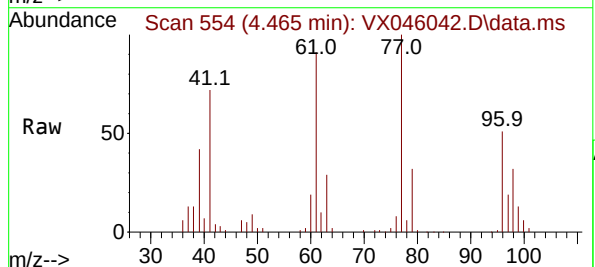
Acq: 05 May 2025 11:58

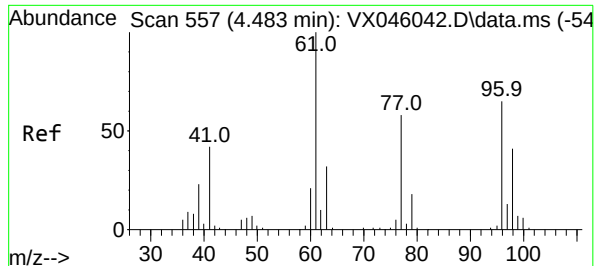
Tgt Ion: 77 Resp: 92857

Ion Ratio Lower Upper

77 100

97 21.0 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 35.466 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 71518

Ion Ratio Lower Upper

96 100

61 161.4 0.0 322.8

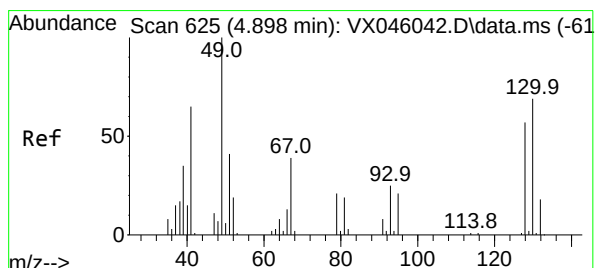
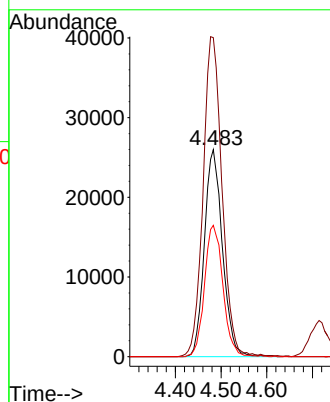
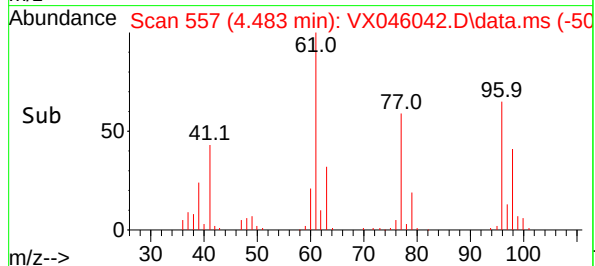
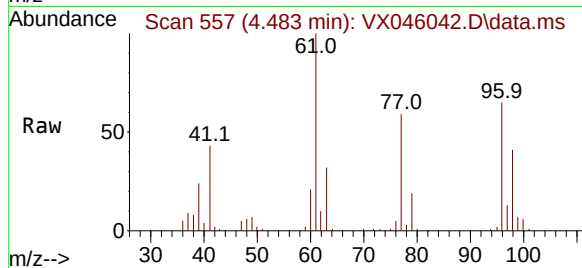
98 64.5 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#28

Bromochloromethane

Concen: 31.031 ug/l

RT: 4.898 min Scan# 625

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

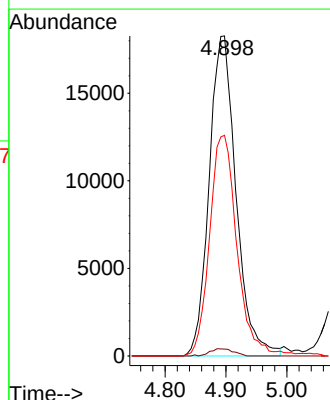
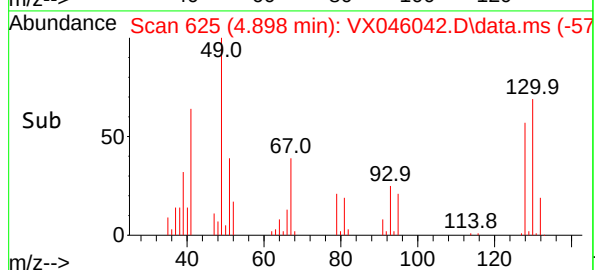
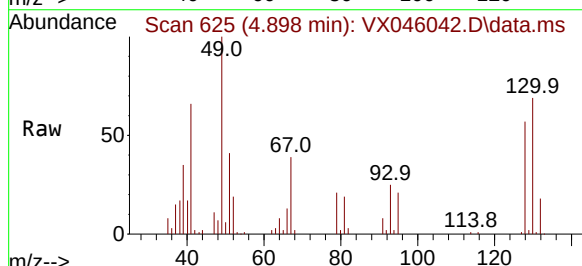
Tgt Ion: 49 Resp: 56091

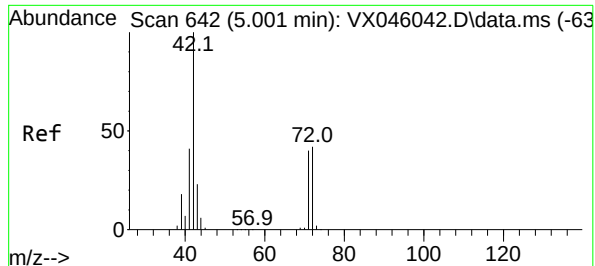
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 70.2 56.2 84.2





#29

Tetrahydrofuran

Concen: 183.679 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 170124

Ion Ratio Lower Upper

42 100

72 42.1 33.7 50.5

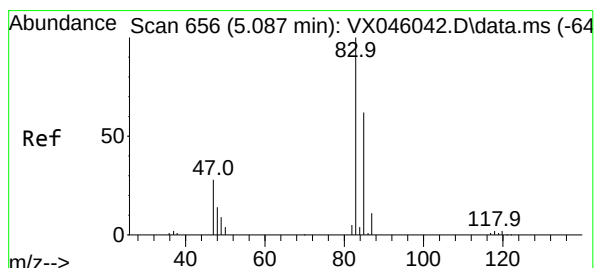
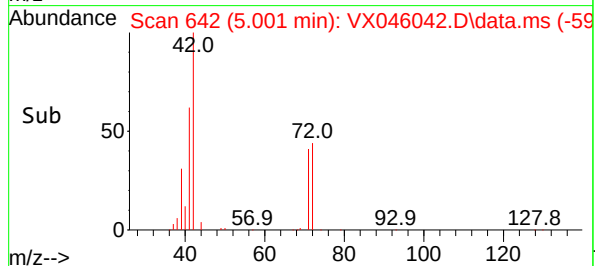
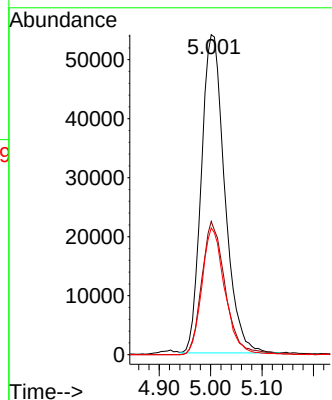
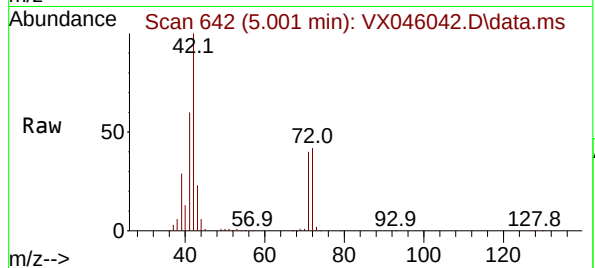
71 39.3 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#30

Chloroform

Concen: 35.626 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX046042.D

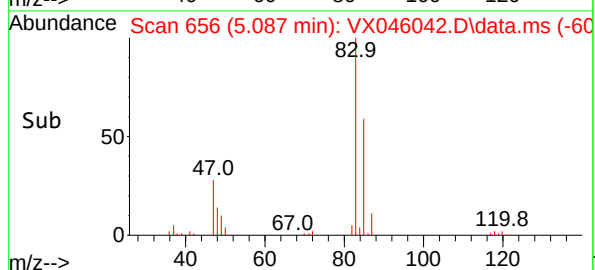
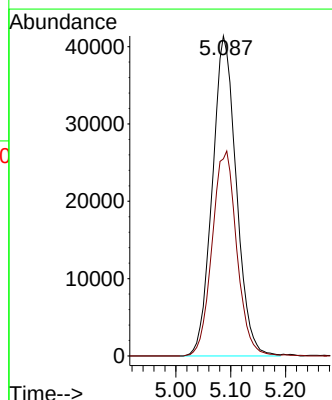
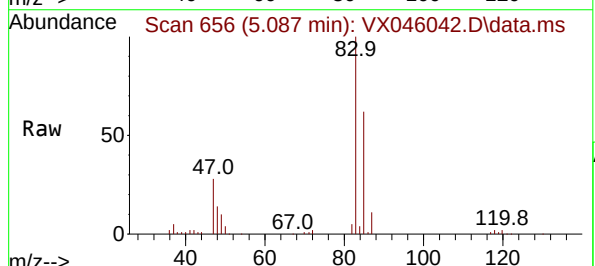
Acq: 05 May 2025 11:58

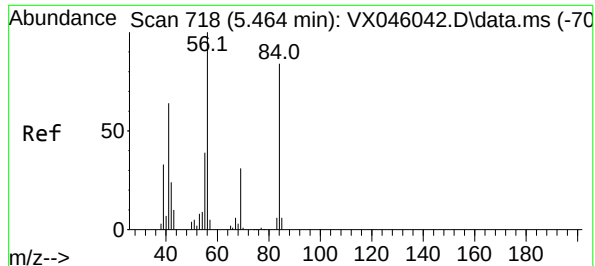
Tgt Ion: 83 Resp: 125850

Ion Ratio Lower Upper

83 100

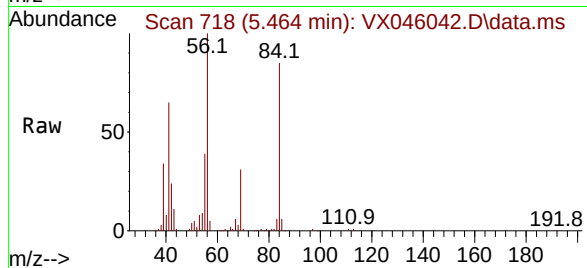
85 61.6 49.3 73.9





#31
Cyclohexane
Concen: 38.205 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

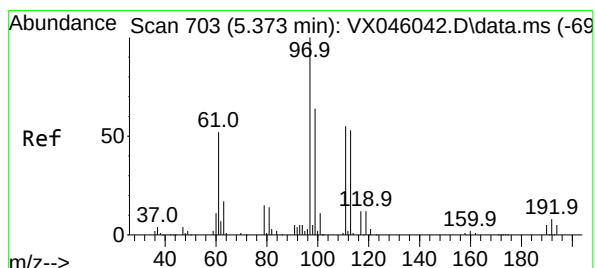
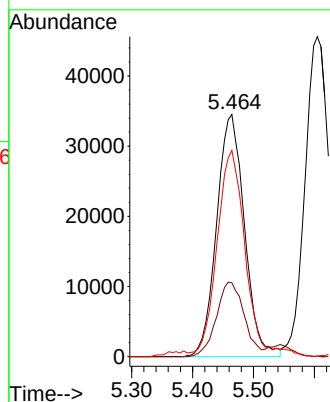
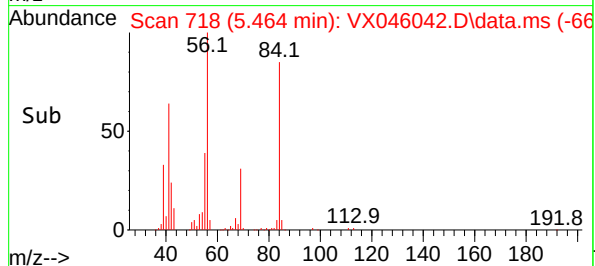
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 56 Resp: 10945
Ion Ratio Lower Upper
56 100
69 30.5 24.4 36.6
84 83.6 66.9 100.3

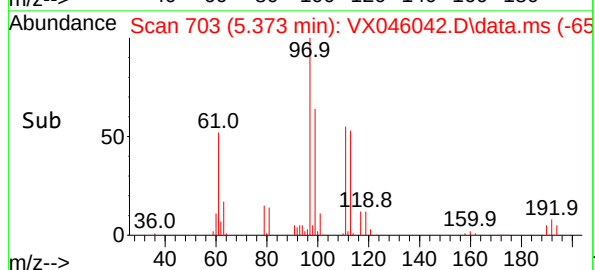
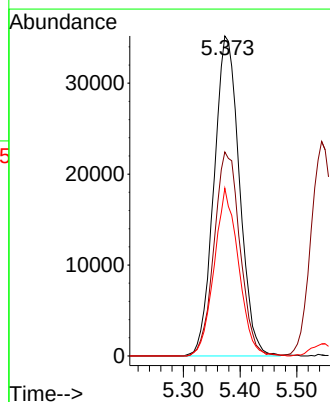
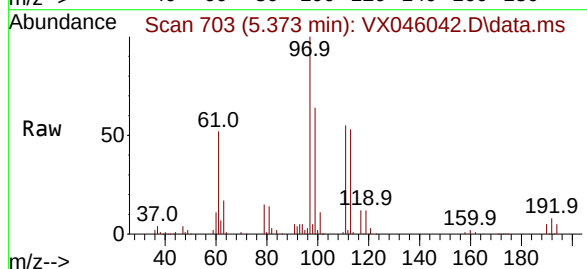
Manual Integrations
APPROVED

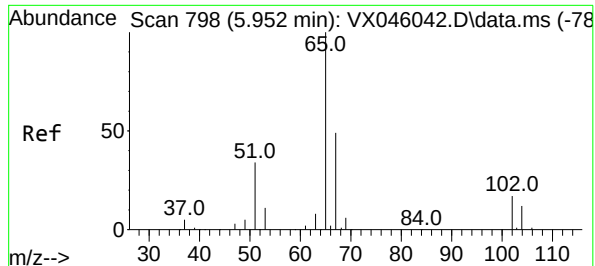
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#32
1,1,1-Trichloroethane
Concen: 36.034 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 97 Resp: 109781
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.6
61 50.1 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 30.601 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 8837

Ion Ratio Lower Upper

65 100

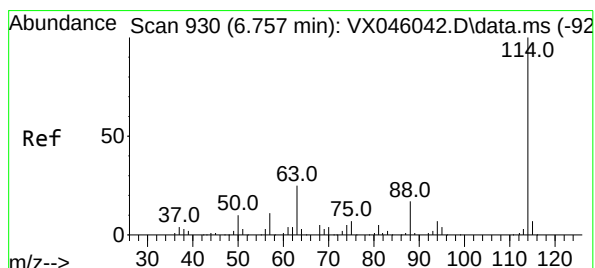
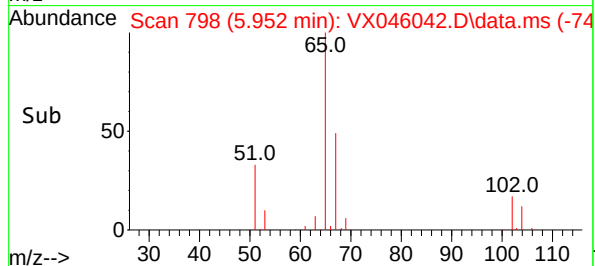
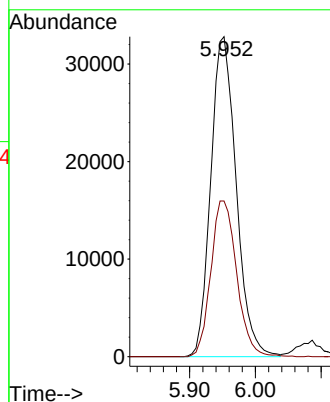
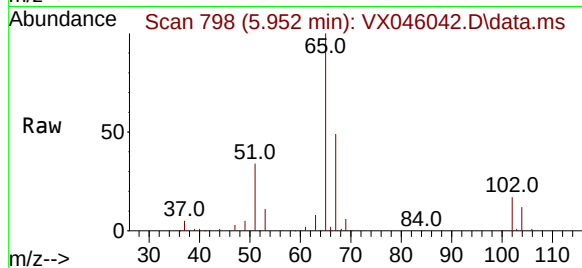
67 49.5 0.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

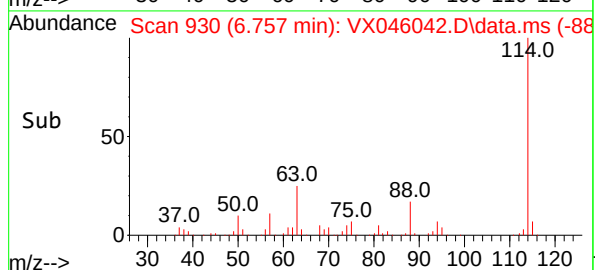
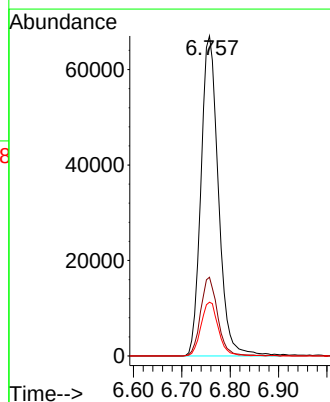
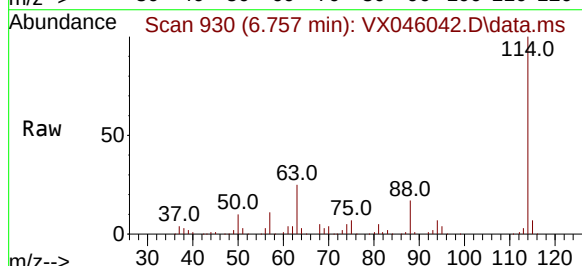
Tgt Ion:114 Resp: 167947

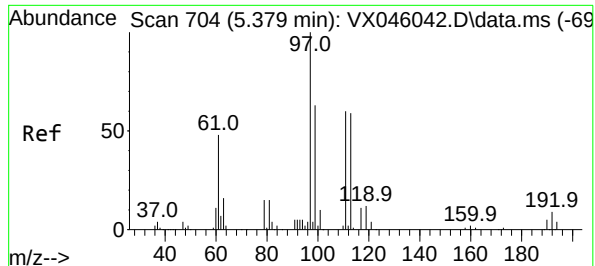
Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 31.633 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

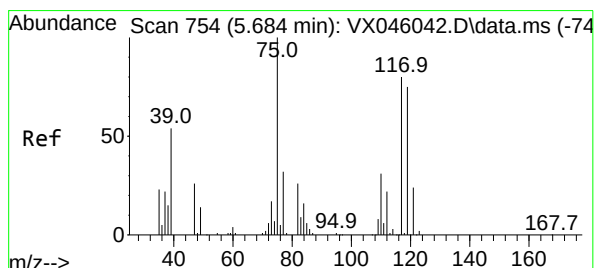
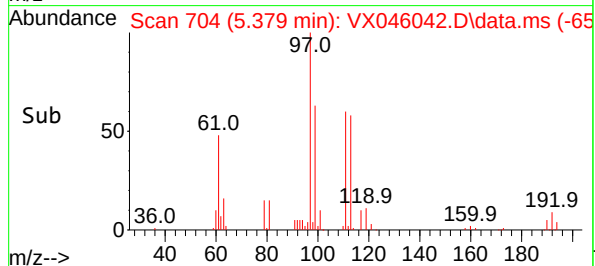
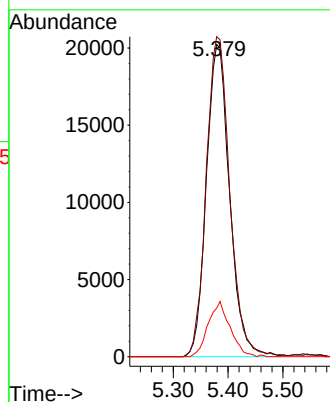
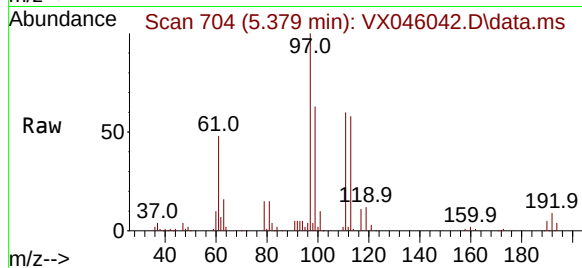
Tgt Ion:	113	Resp:	59550
Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.1	124.7
192	16.6	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#36

1,1-Dichloropropene

Concen: 38.073 ug/l

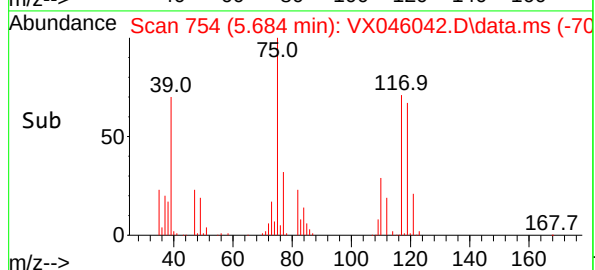
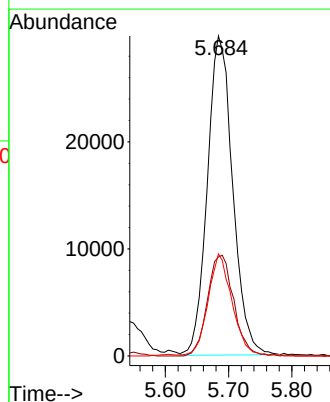
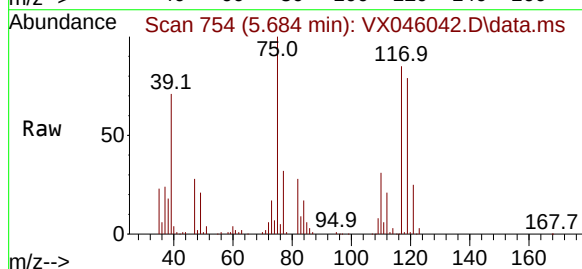
RT: 5.684 min Scan# 754

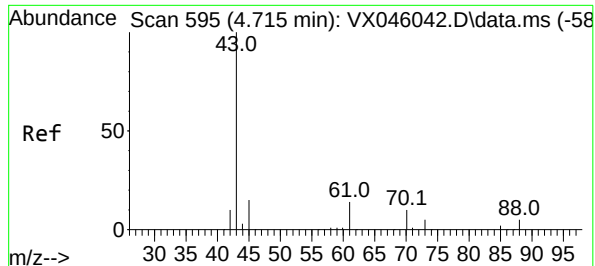
Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Tgt Ion:	75	Resp:	83215
Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.3	48.9
77	30.4	24.3	36.5





#37

Ethyl Acetate

Concen: 37.394 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 10253

Ion Ratio Lower Upper

43 100

61 12.9 10.3 15.5

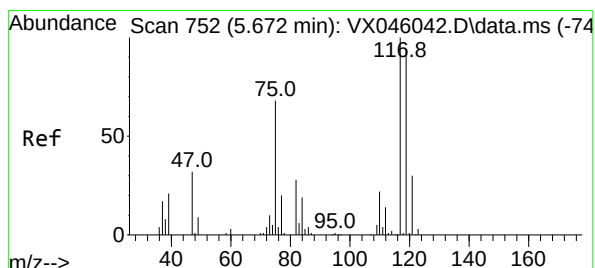
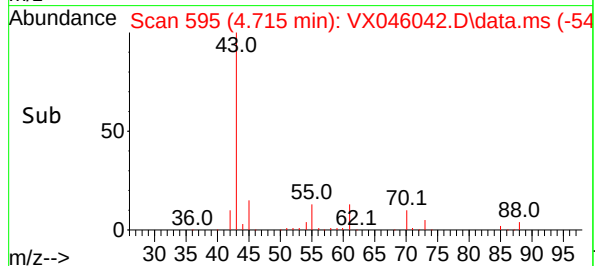
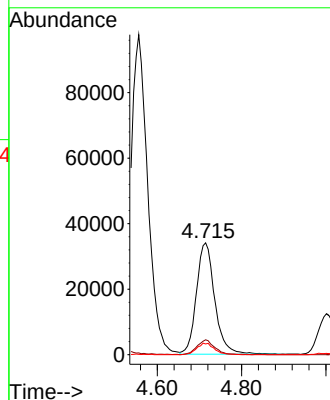
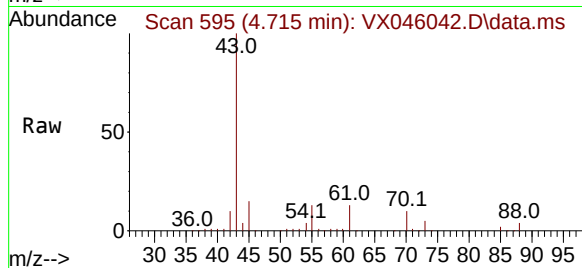
70 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#38

Carbon Tetrachloride

Concen: 37.320 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

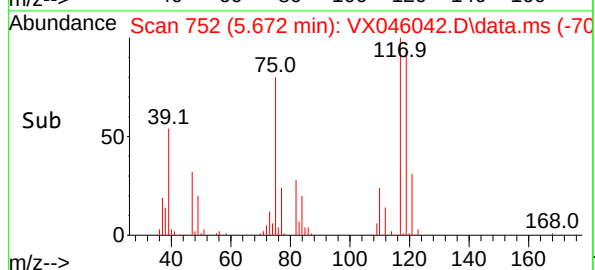
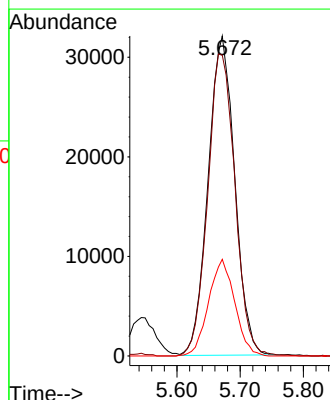
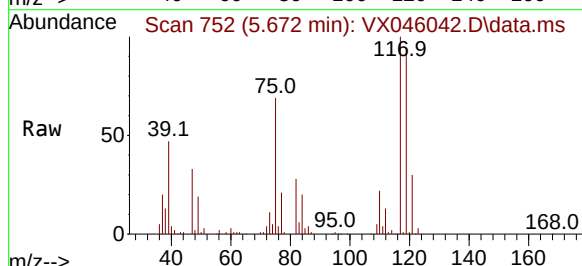
Tgt Ion:117 Resp: 93712

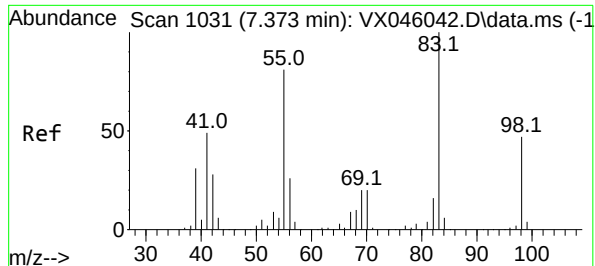
Ion Ratio Lower Upper

117 100

119 94.0 75.2 112.8

121 30.3 24.2 36.4





#39

Methylcyclohexane

Concen: 39.307 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 10765

Ion Ratio Lower Upper

83 100

55 80.9 64.7 97.1

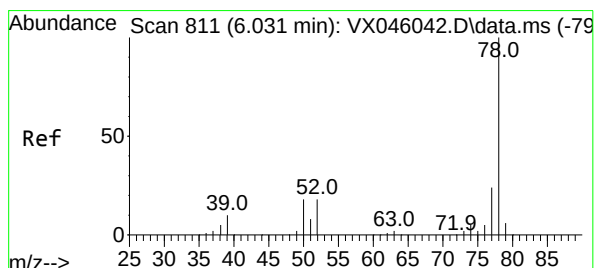
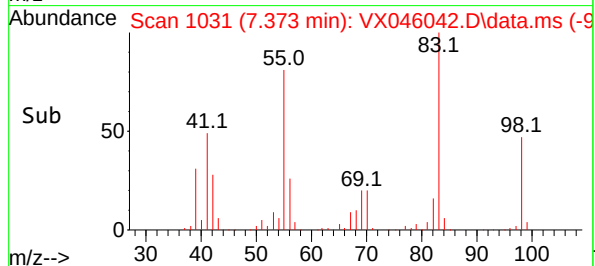
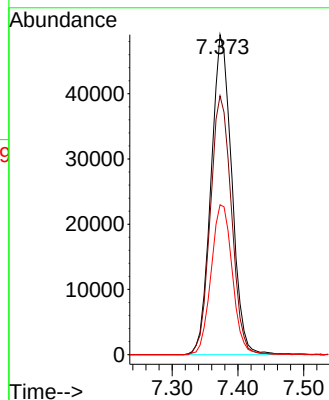
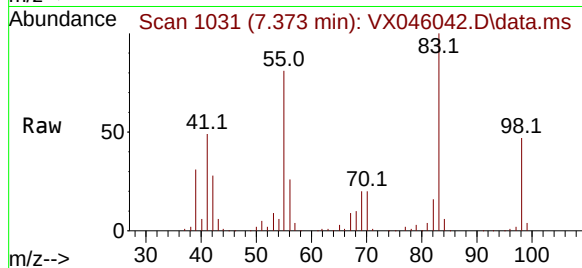
98 46.8 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#40

Benzene

Concen: 36.530 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX046042.D

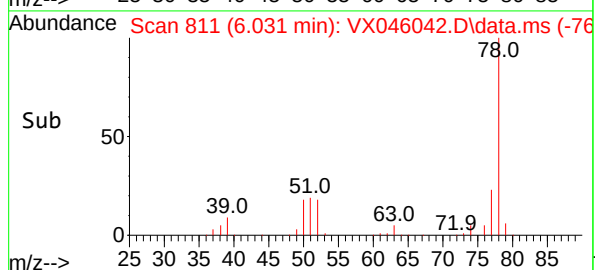
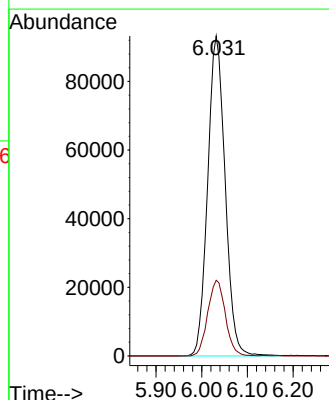
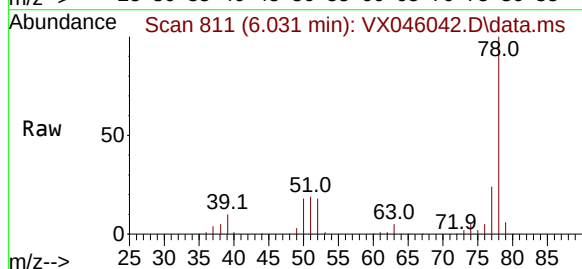
Acq: 05 May 2025 11:58

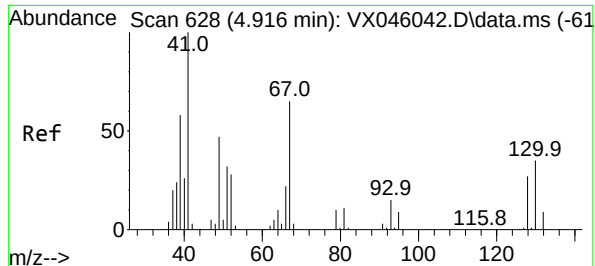
Tgt Ion: 78 Resp: 247476

Ion Ratio Lower Upper

78 100

77 23.7 19.0 28.4





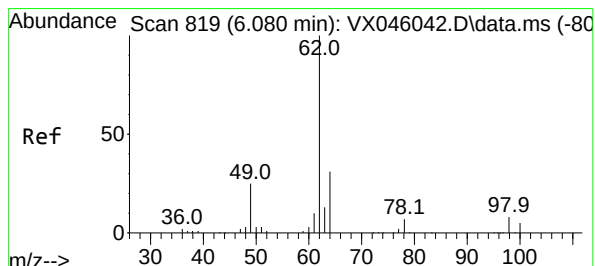
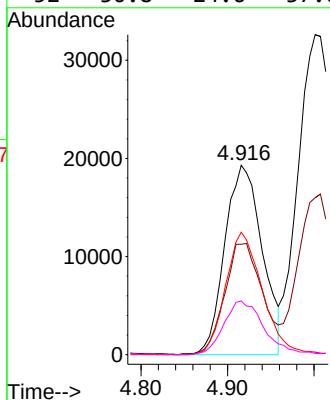
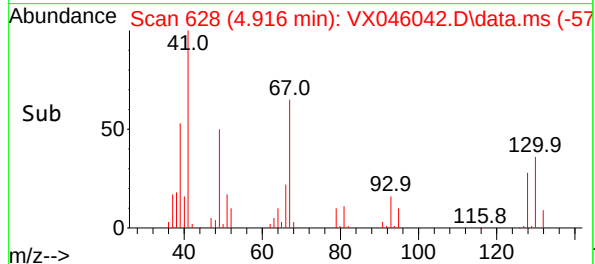
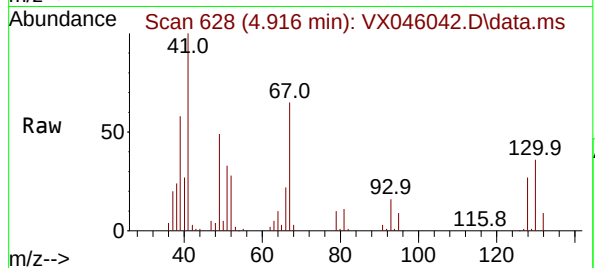
#41
Methacrylonitrile
Concen: 38.123 ug/l
RT: 4.916 min Scan# 612
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 58082
Ion Ratio Lower Upper
41 100
39 59.0 47.2 70.8
67 63.4 50.7 76.1
52 30.8 24.6 37.0

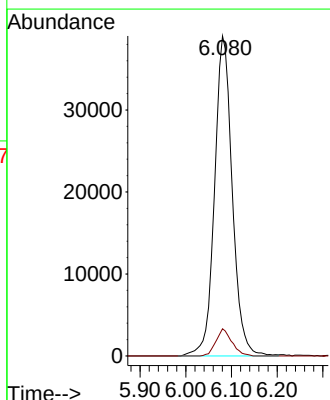
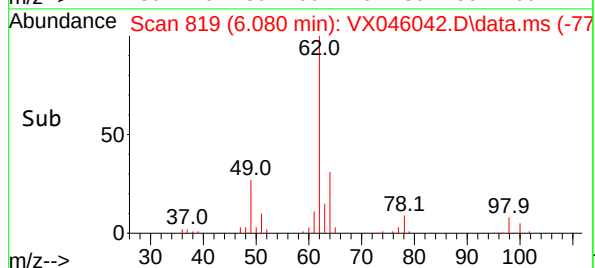
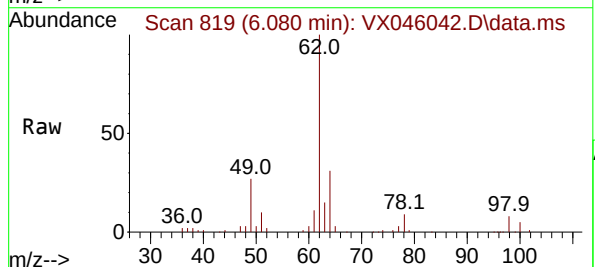
Manual Integrations
APPROVED

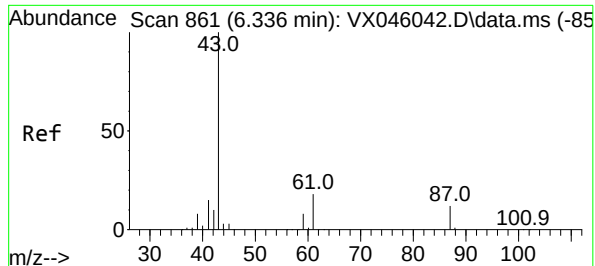
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#42
1,2-Dichloroethane
Concen: 37.605 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 105332
Ion Ratio Lower Upper
62 100
98 7.6 0.0 15.2





#43

Isopropyl Acetate

Concen: 38.598 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 16178

Ion Ratio Lower Upper

43

100

61

17.9

87

11.9

14.3

9.5

21.5

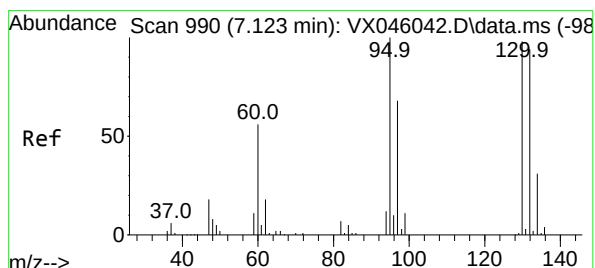
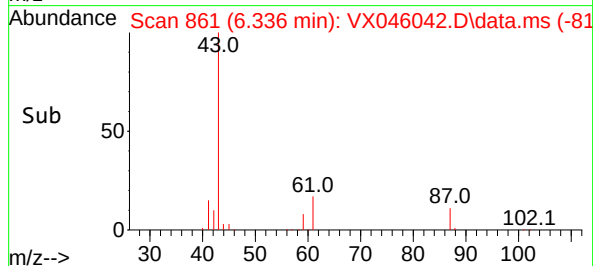
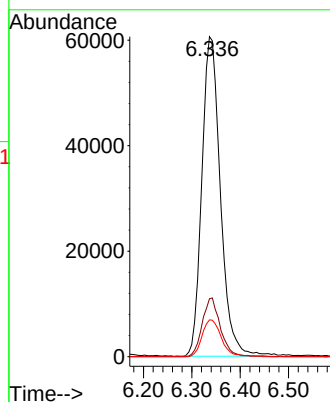
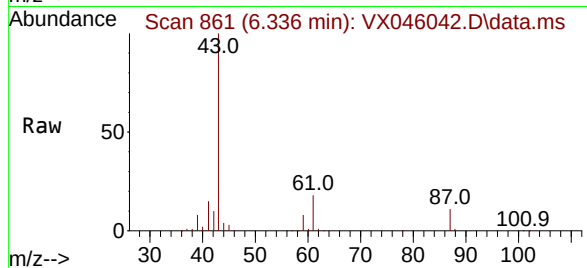
14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#44

Trichloroethene

Concen: 37.230 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Tgt Ion:130 Resp: 59623

Ion Ratio Lower Upper

130

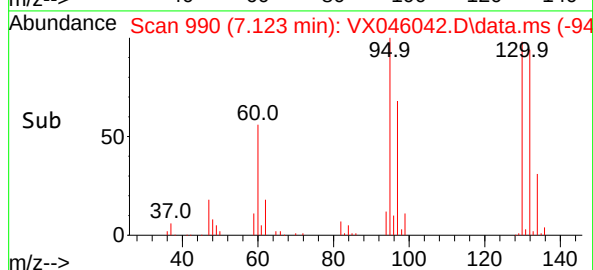
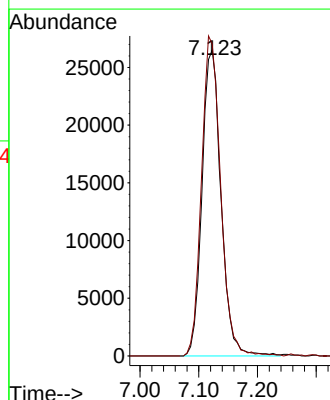
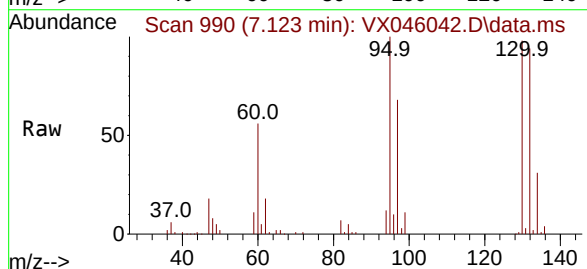
100

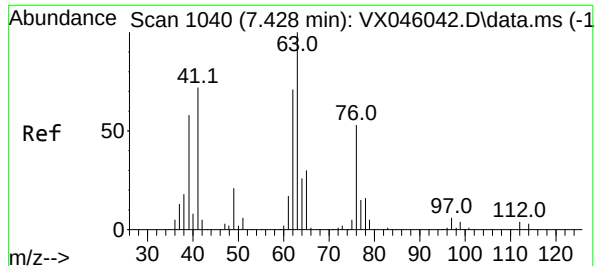
95

102.1

0.0

204.2





#45

1,2-Dichloropropane

Concen: 37.064 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 6238

Ion Ratio Lower Upper

63 100

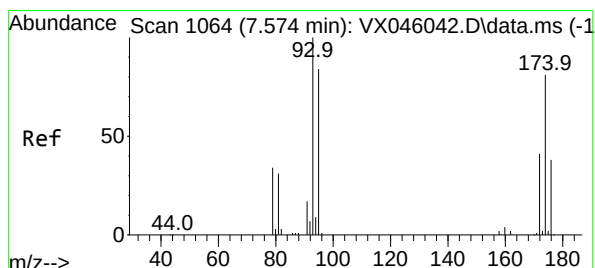
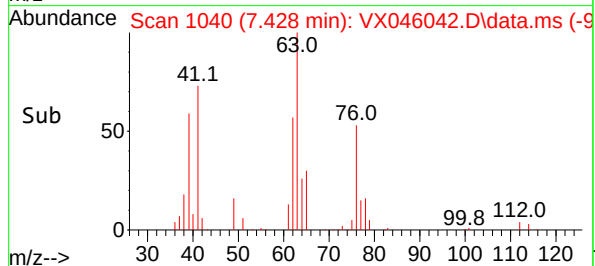
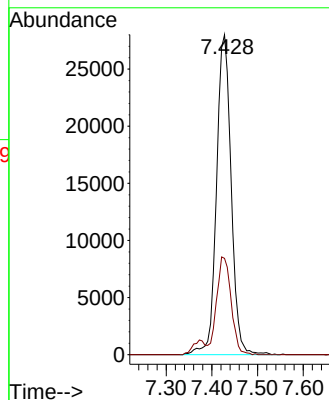
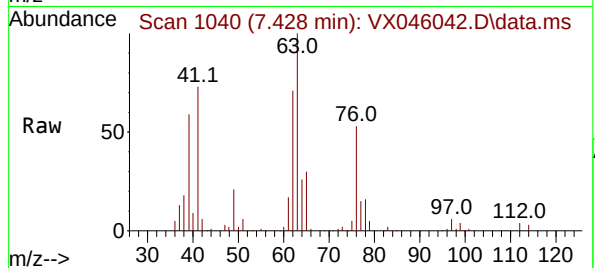
65 30.1 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#46

Dibromomethane

Concen: 36.326 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

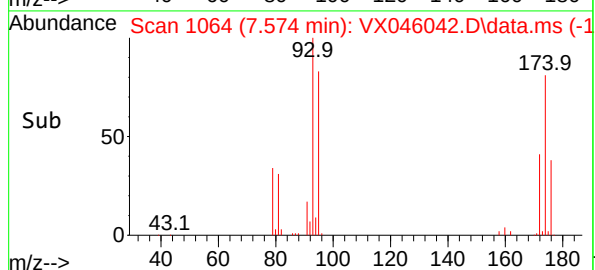
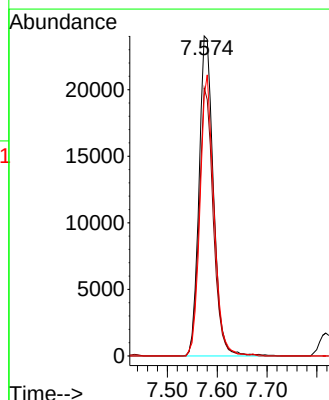
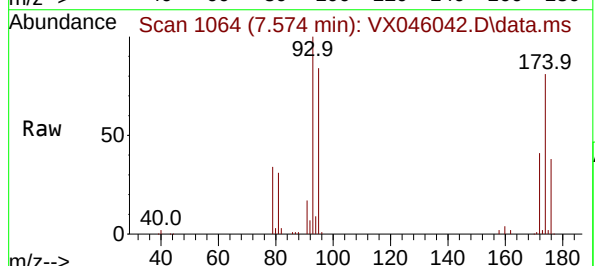
Tgt Ion: 93 Resp: 48201

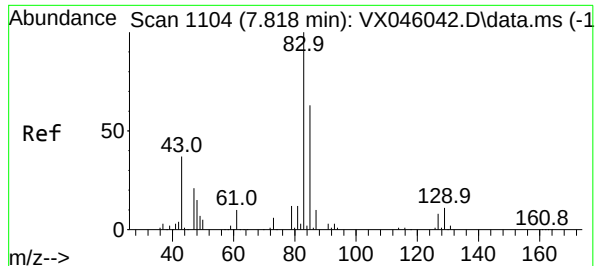
Ion Ratio Lower Upper

93 100

95 82.0 65.6 98.4

174 85.2 68.2 102.2





#47

Bromodichloromethane

Concen: 37.685 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

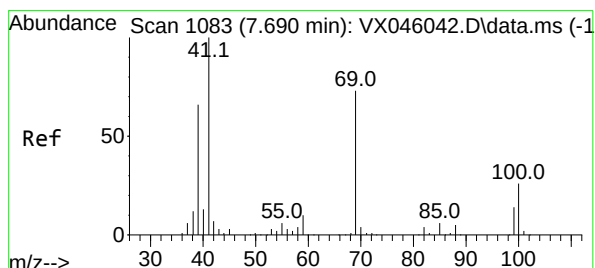
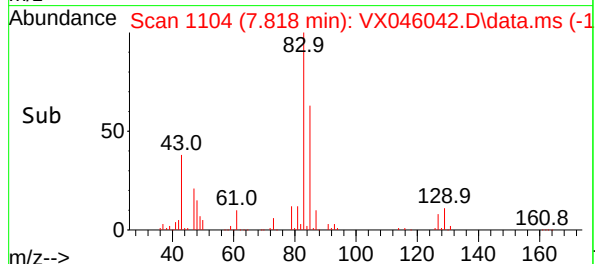
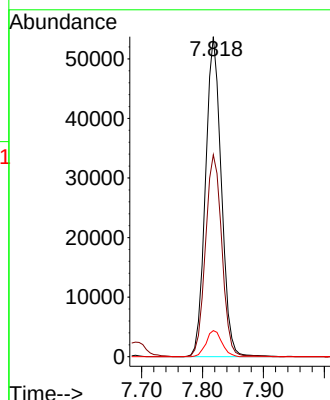
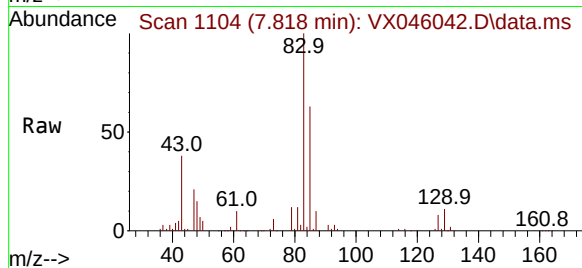
Tgt Ion:	83	Resp:	96910
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.1	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#48

Methyl methacrylate

Concen: 39.157 ug/l

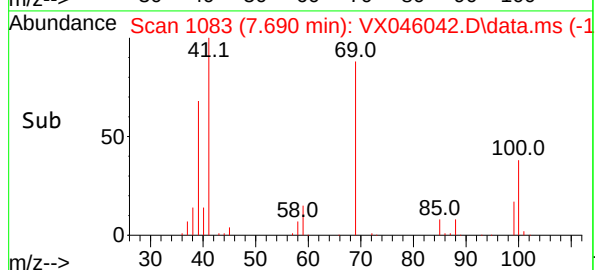
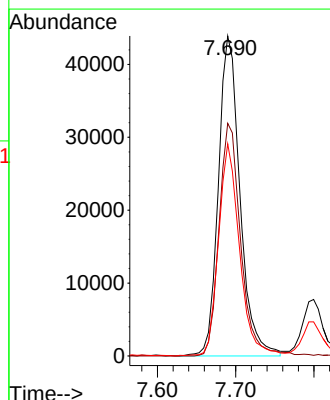
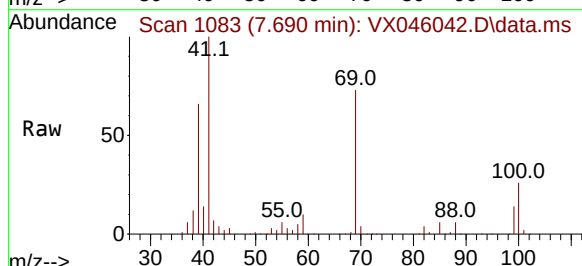
RT: 7.690 min Scan# 1083

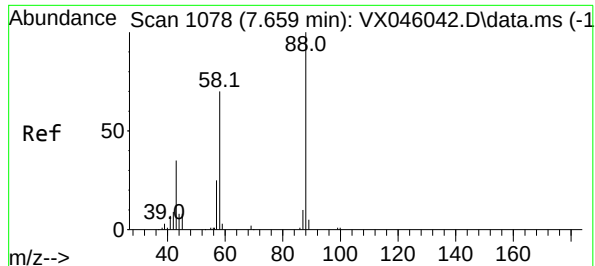
Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Tgt Ion:	41	Resp:	84277
Ion	Ratio	Lower	Upper
41	100		
69	73.1	58.5	87.7
39	64.6	51.7	77.5





#49

1,4-Dioxane

Concen: 713.477 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

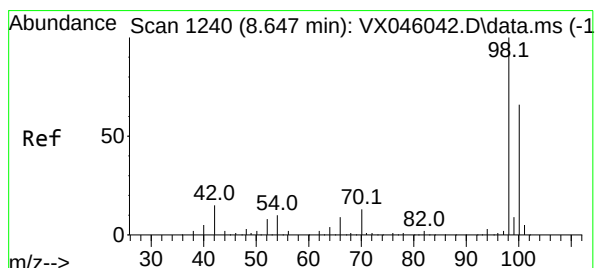
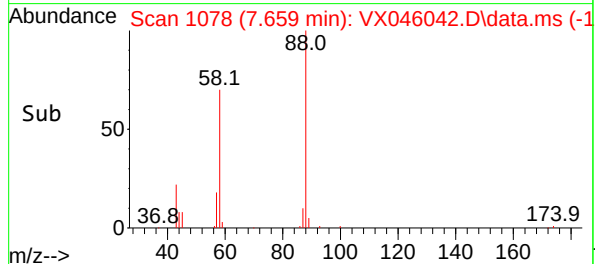
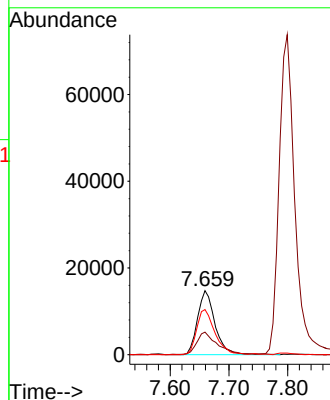
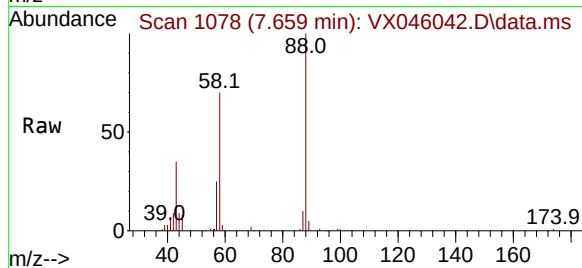
Tgt Ion:	88	Resp:	30529
Ion	Ratio	Lower	Upper
88	100		
43	41.8	33.4	50.2
58	73.3	58.6	88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#50

Toluene-d8

Concen: 32.395 ug/l

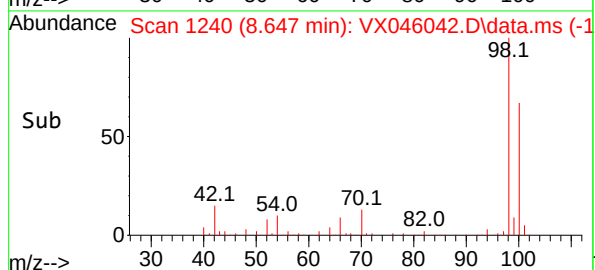
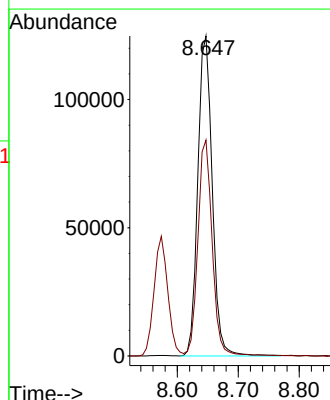
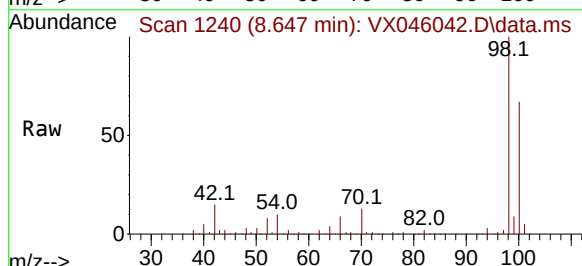
RT: 8.647 min Scan# 1240

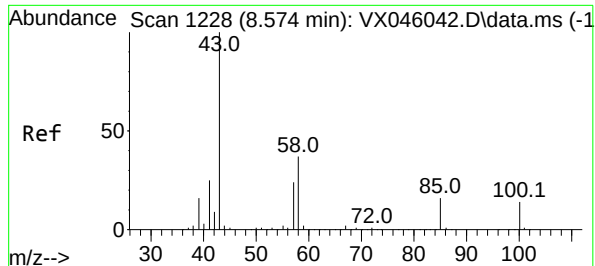
Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Tgt Ion:	98	Resp:	205479
Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.5	80.3





#51

4-Methyl-2-Pentanone

Concen: 193.653 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 53238

Ion Ratio Lower Upper

43 100

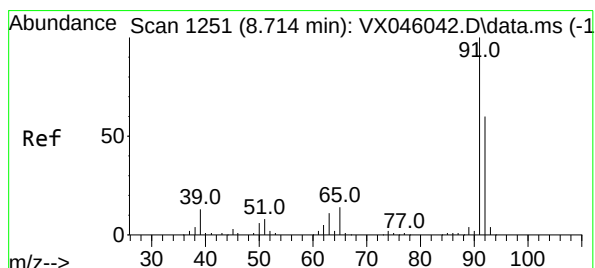
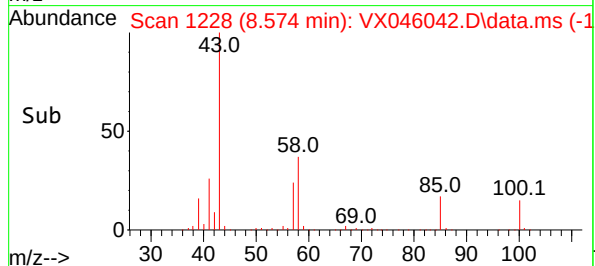
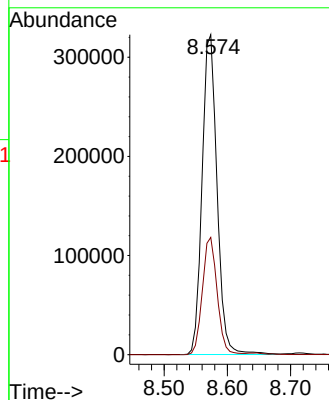
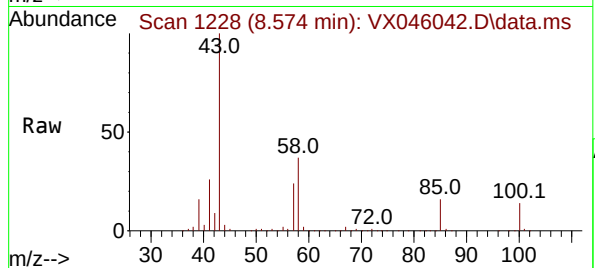
58 36.1 28.9 43.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#52

Toluene

Concen: 37.530 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX046042.D

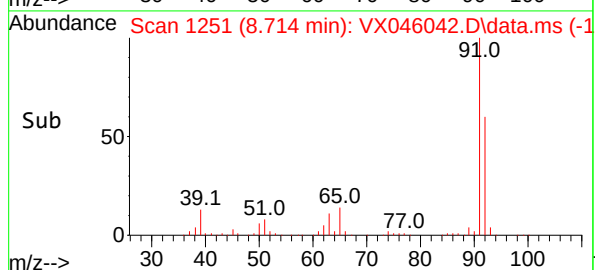
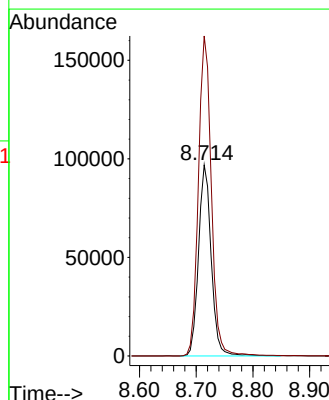
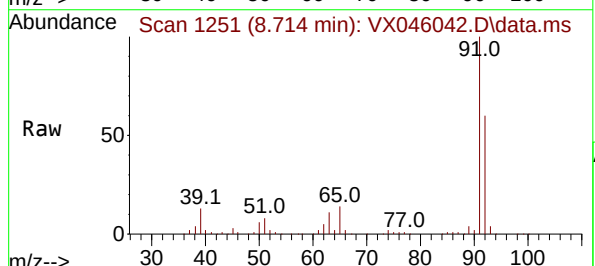
Acq: 05 May 2025 11:58

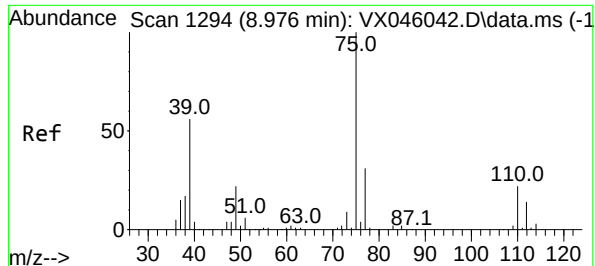
Tgt Ion: 92 Resp: 150757

Ion Ratio Lower Upper

92 100

91 170.8 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 41.056 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 8865

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

Instrument :

MSVOA_X

ClientSampleId :

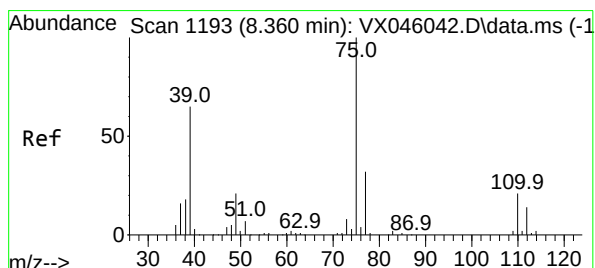
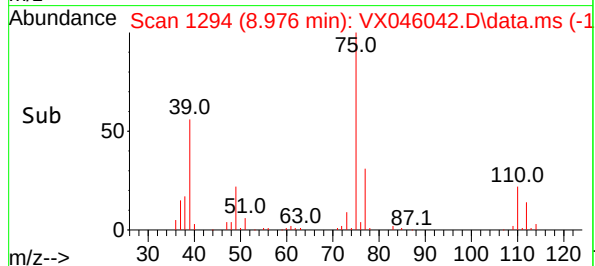
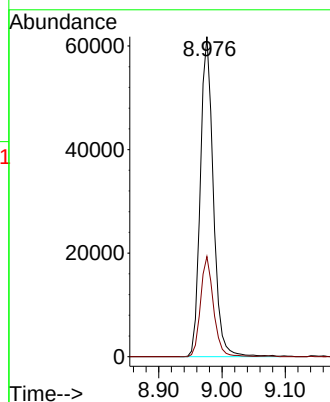
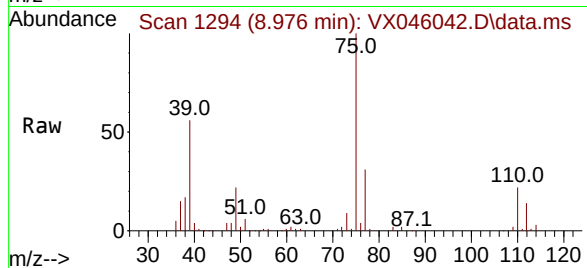
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#54

cis-1,3-Dichloropropene

Concen: 38.521 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

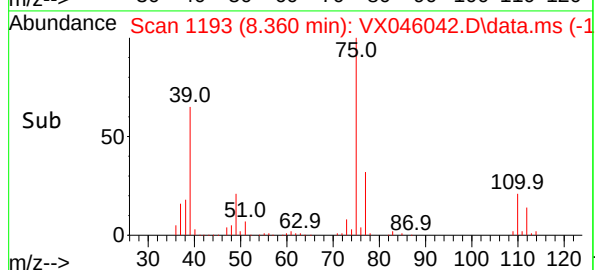
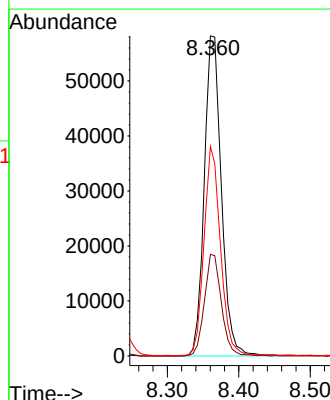
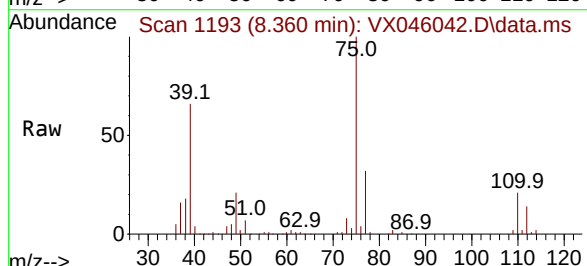
Tgt Ion: 75 Resp: 97031

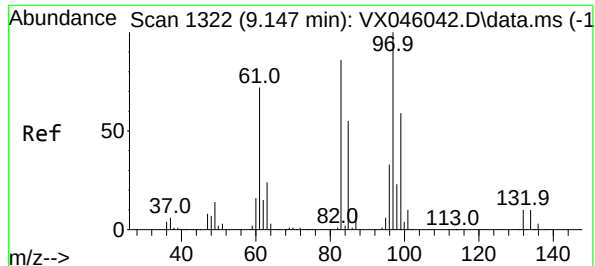
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 65.3 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 36.648 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 5949

Ion Ratio Lower Upper

97 100

83 86.3 69.0 103.6

85 55.4 44.3 66.5

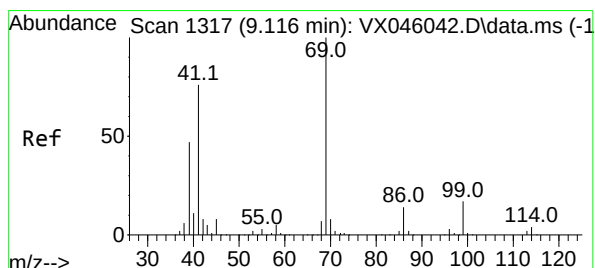
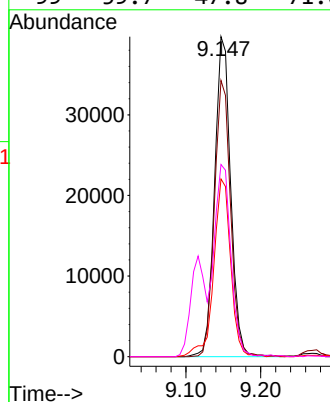
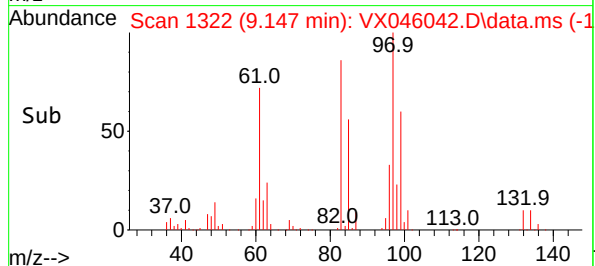
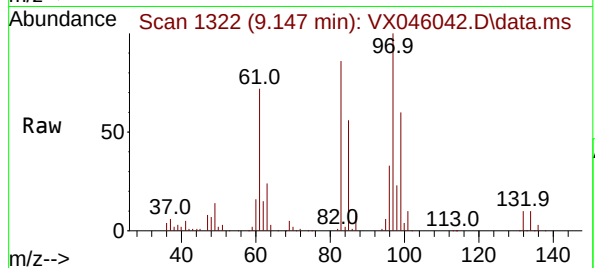
99 59.7 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#56

Ethyl methacrylate

Concen: 39.726 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

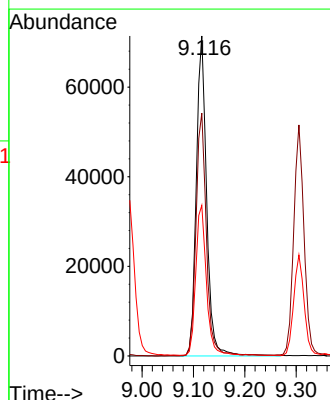
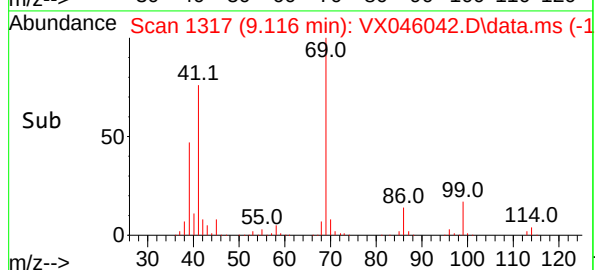
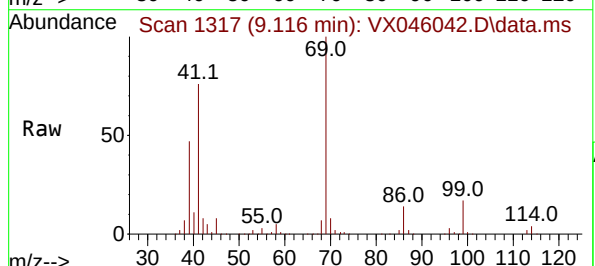
Tgt Ion: 69 Resp: 99947

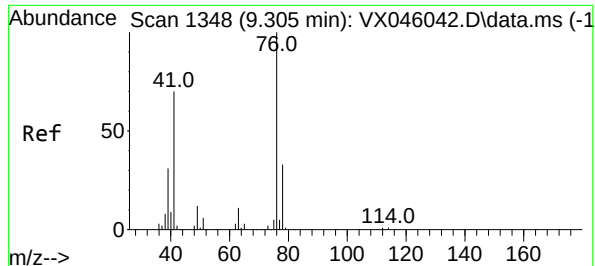
Ion Ratio Lower Upper

69 100

41 76.0 60.8 91.2

39 48.8 39.0 58.6





#57

1,3-Dichloropropane

Concen: 36.347 ug/l

RT: 9.305 min Scan# 11348

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 104600

Ion Ratio Lower Upper

76 100

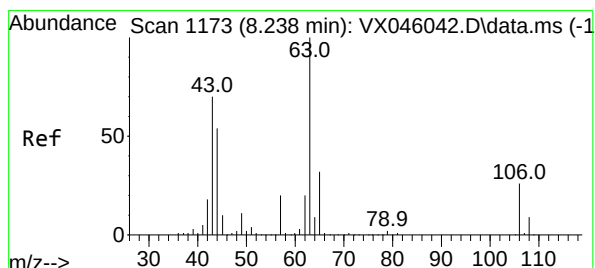
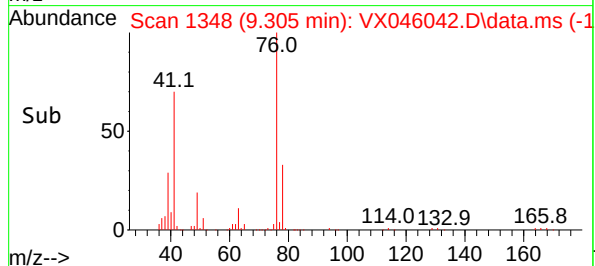
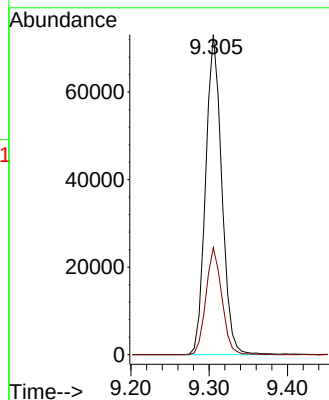
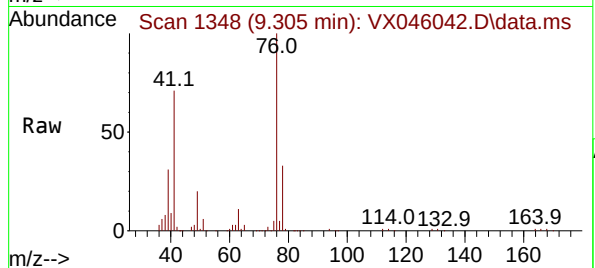
78 32.9 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#58

2-Chloroethyl Vinyl ether

Concen: 227.902 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX046042.D

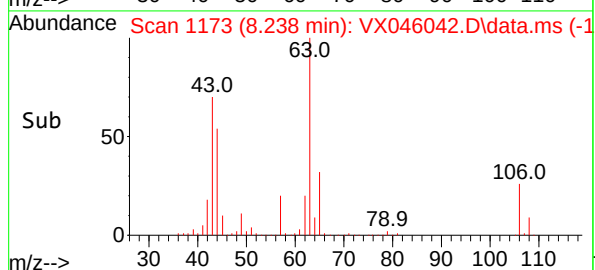
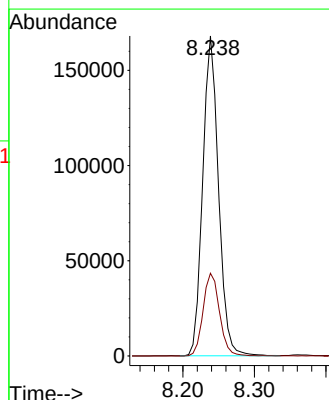
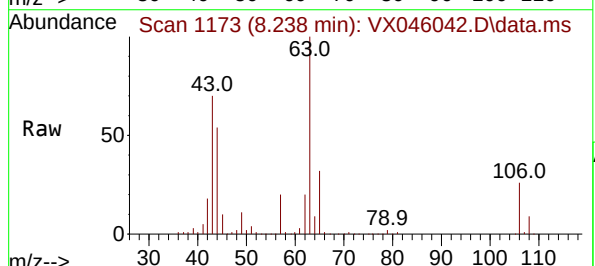
Acq: 05 May 2025 11:58

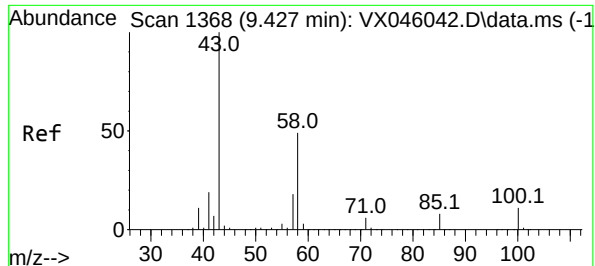
Tgt Ion: 63 Resp: 257678

Ion Ratio Lower Upper

63 100

106 26.9 21.5 32.3





#59

2-Hexanone

Concen: 190.168 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 396784

Ion Ratio Lower Upper

43 100

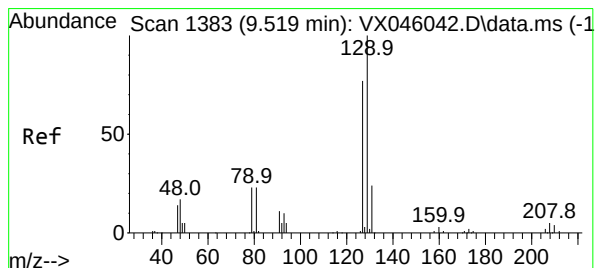
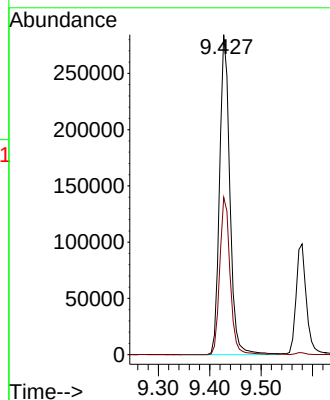
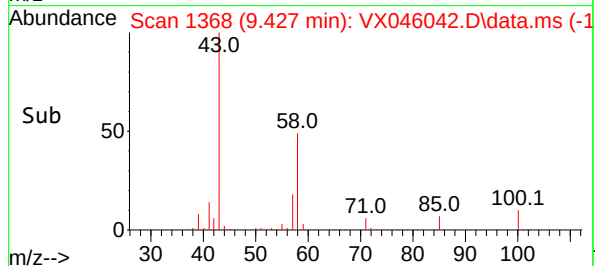
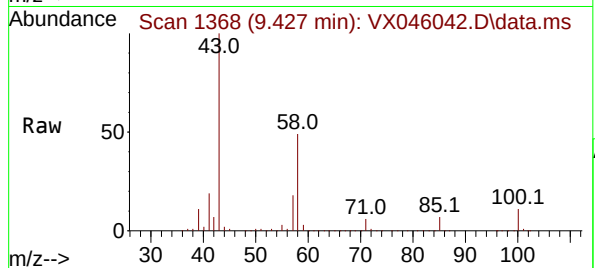
58 49.7 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#60

Dibromochloromethane

Concen: 38.027 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX046042.D

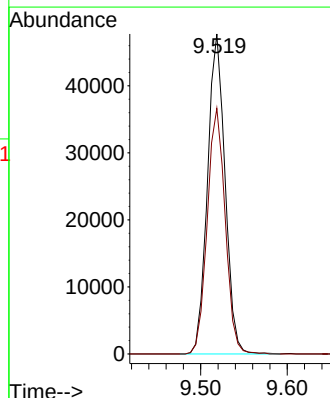
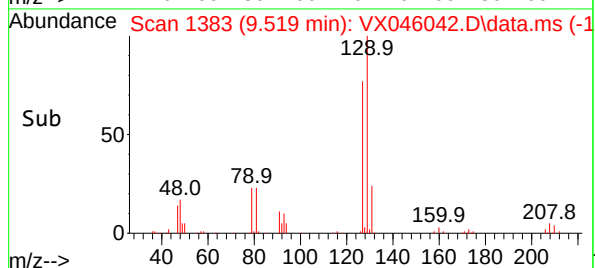
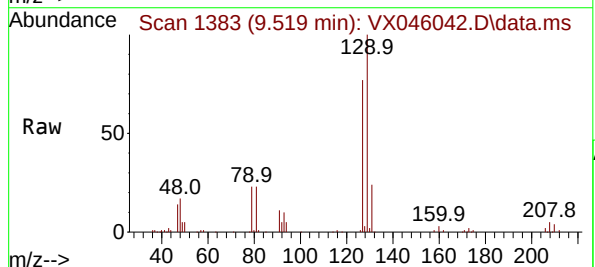
Acq: 05 May 2025 11:58

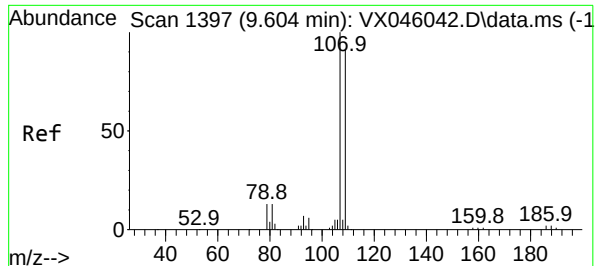
Tgt Ion:129 Resp: 67198

Ion Ratio Lower Upper

129 100

127 78.5 39.3 117.8





#61

1,2-Dibromoethane

Concen: 37.567 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:107 Resp: 6263

Ion Ratio Lower Upper

107 100

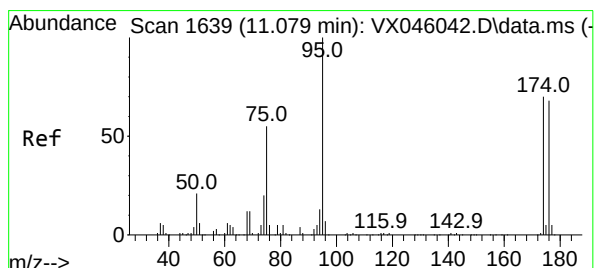
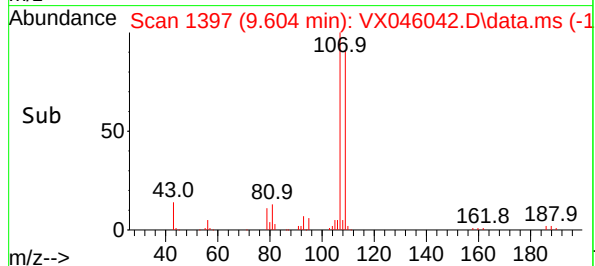
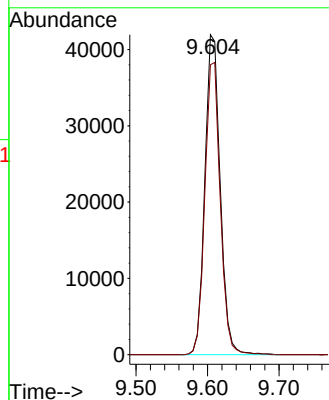
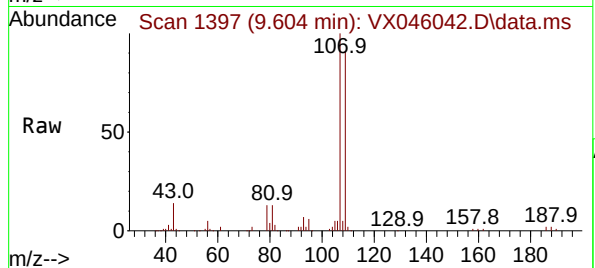
109 91.6 73.3 109.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#62

4-Bromofluorobenzene

Concen: 34.229 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

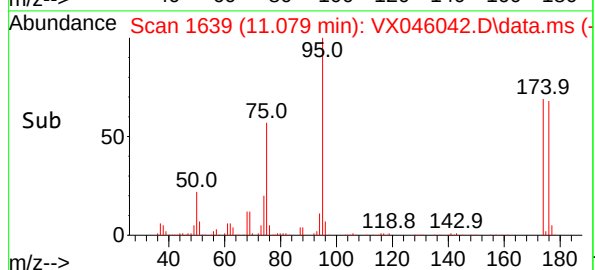
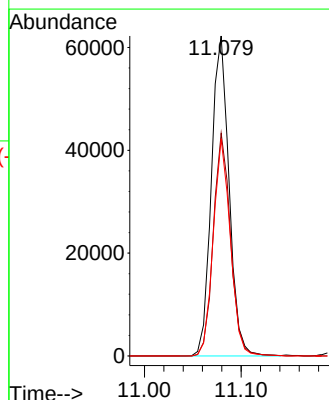
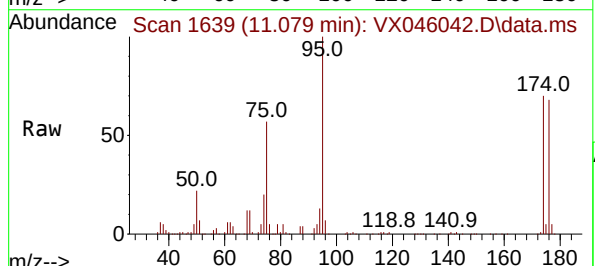
Tgt Ion: 95 Resp: 79012

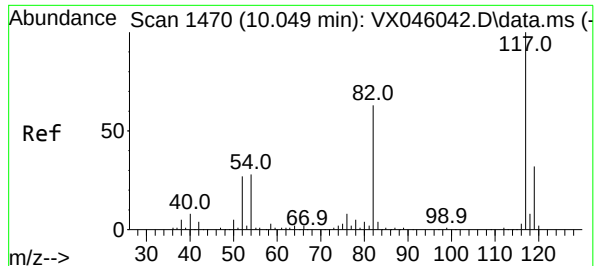
Ion Ratio Lower Upper

95 100

174 67.9 0.0 135.8

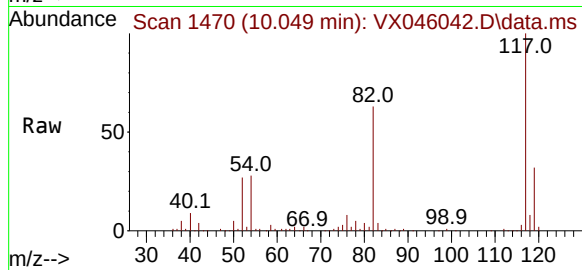
176 65.7 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

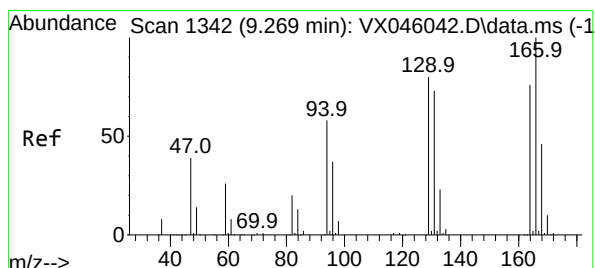
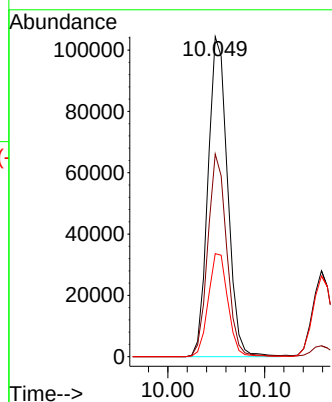
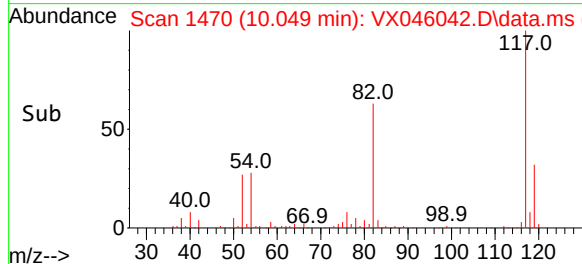
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:117 Resp: 14625
Ion Ratio Lower Upper
117 100
82 63.3 50.6 76.0
119 32.2 25.8 38.6

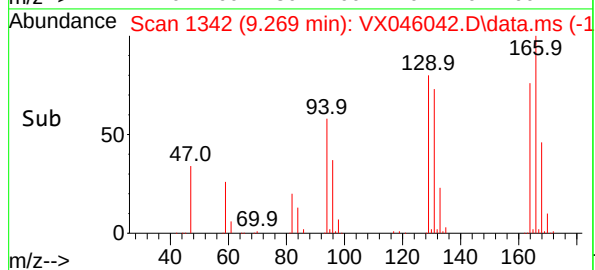
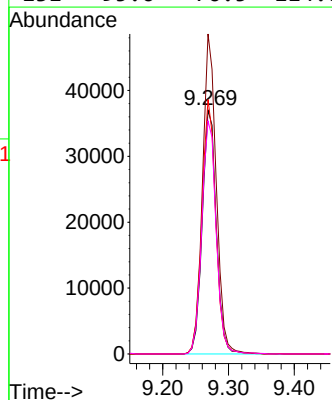
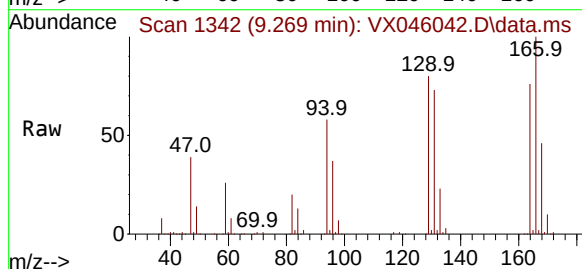
Manual Integrations
APPROVED

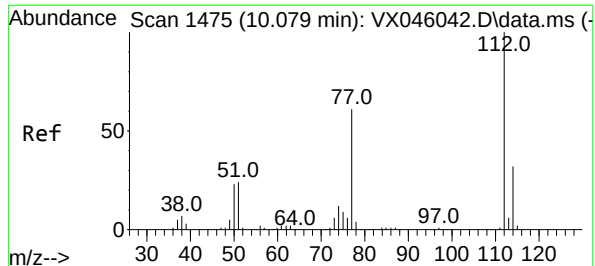
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#64
Tetrachloroethene
Concen: 36.726 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:164 Resp: 54853
Ion Ratio Lower Upper
164 100
166 131.3 105.0 157.6
129 104.4 83.5 125.3
131 95.6 76.5 114.7





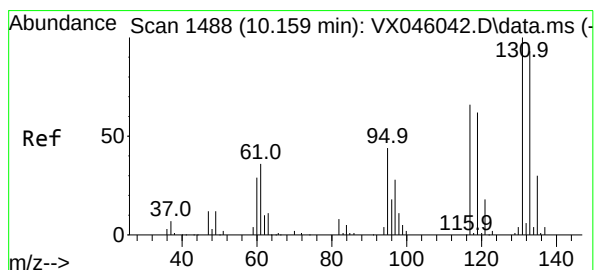
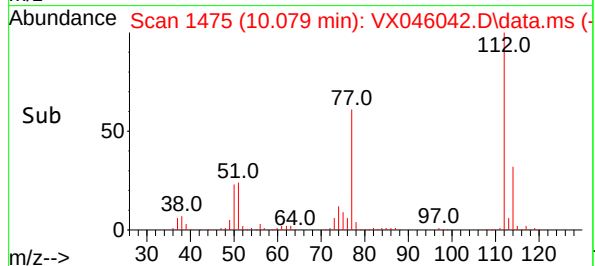
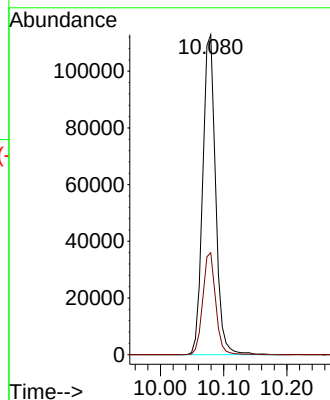
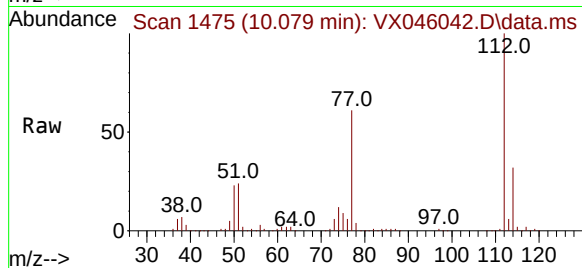
#65
Chlorobenzene
Concen: 35.686 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 160600
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

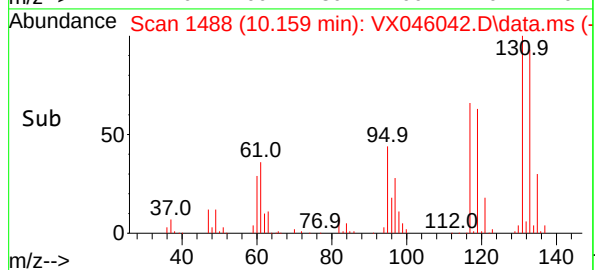
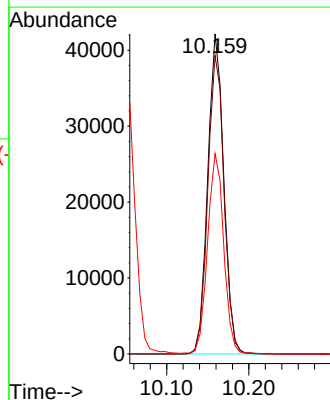
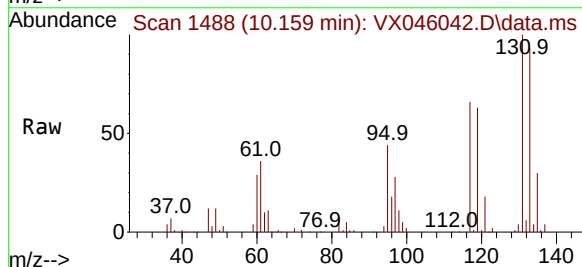
Manual Integrations
APPROVED

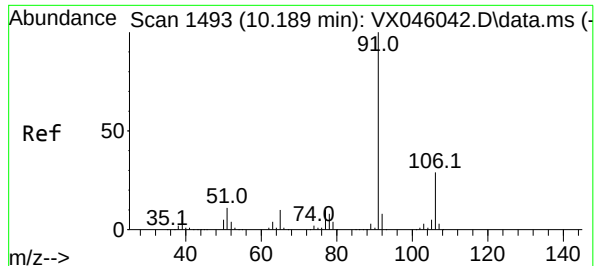
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 38.017 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:131 Resp: 57066
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 63.3 31.6 95.0





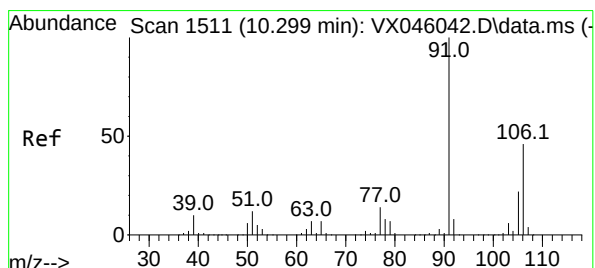
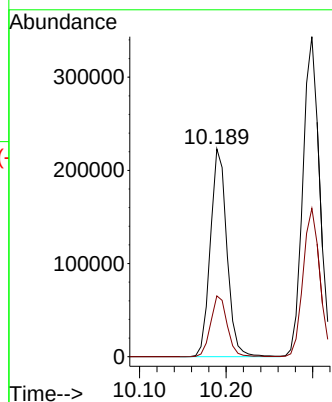
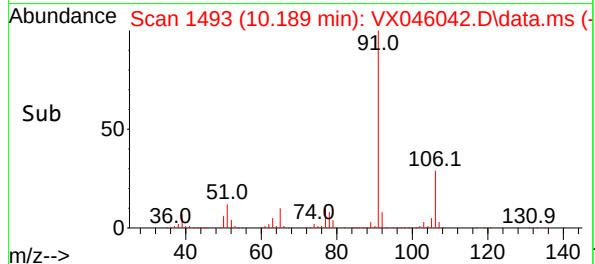
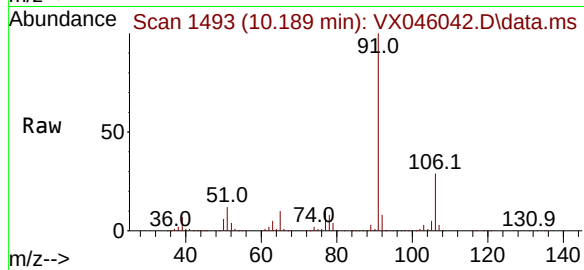
#67
Ethyl Benzene
Concen: 38.543 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 295712
Ion Ratio Lower Upper
91 100
106 29.3 23.4 35.2

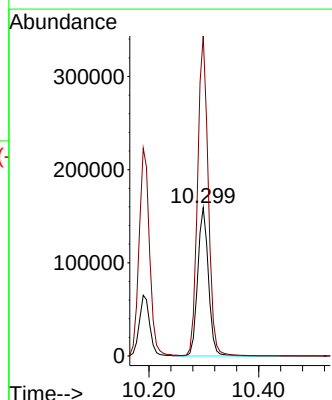
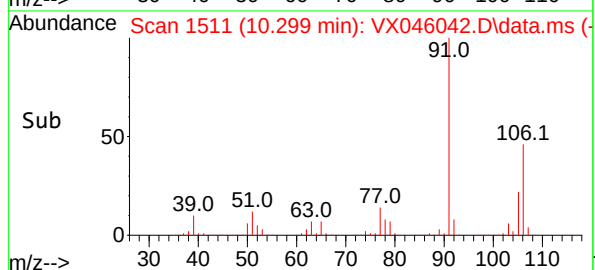
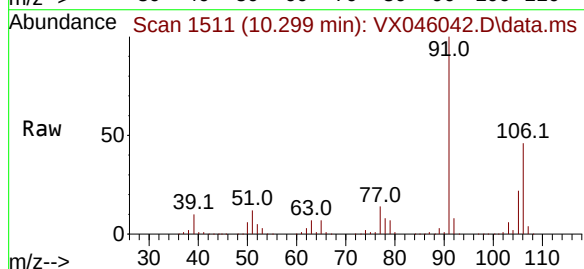
Manual Integrations
APPROVED

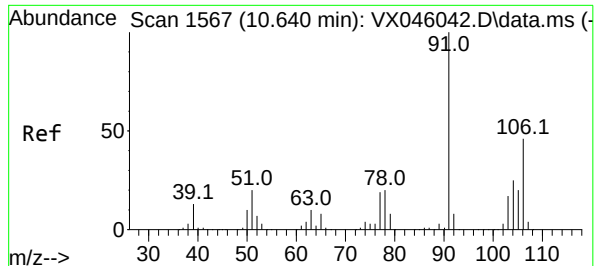
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#68
m/p-Xylenes
Concen: 78.142 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:106 Resp: 216578
Ion Ratio Lower Upper
106 100
91 214.0 171.2 256.8





#69

o-Xylene

Concen: 38.064 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 106333

Ion Ratio Lower Upper

106 100

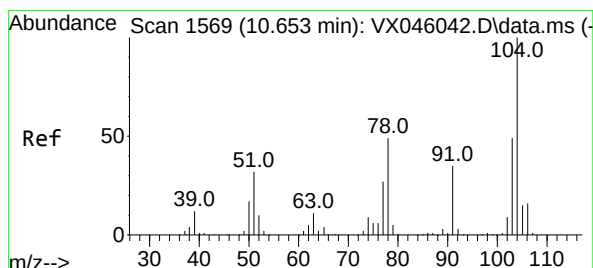
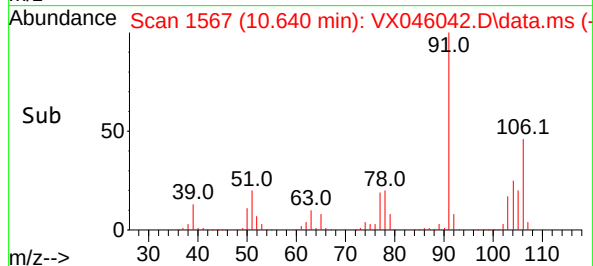
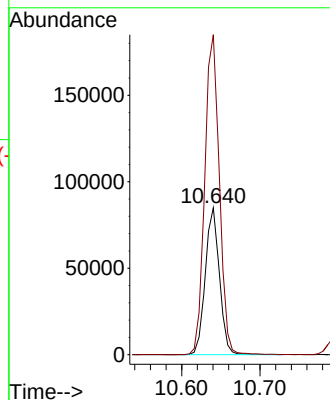
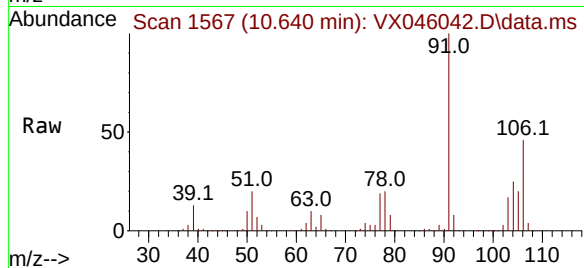
91 225.4 112.7 338.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#70

Styrene

Concen: 39.888 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

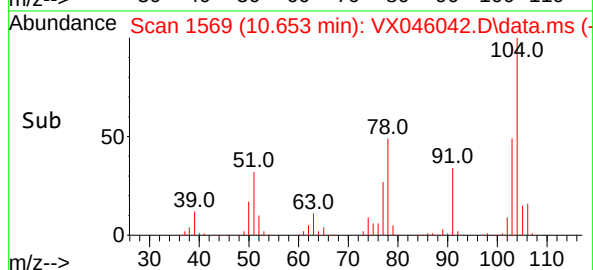
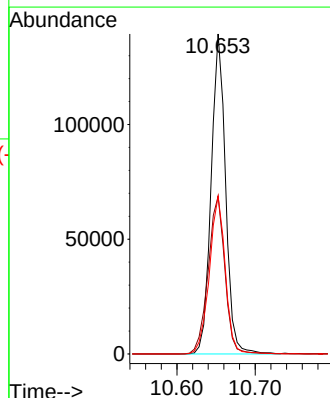
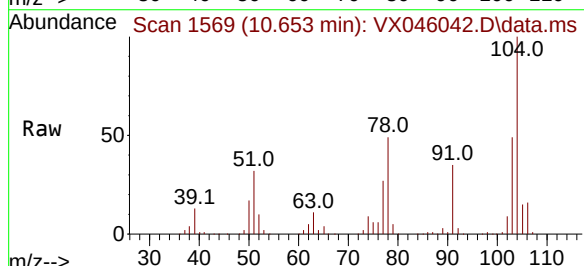
Tgt Ion:104 Resp: 178313

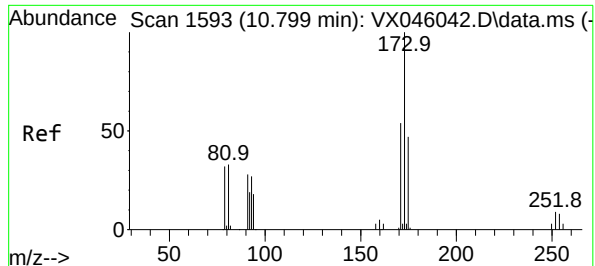
Ion Ratio Lower Upper

104 100

78 57.1 45.7 68.5

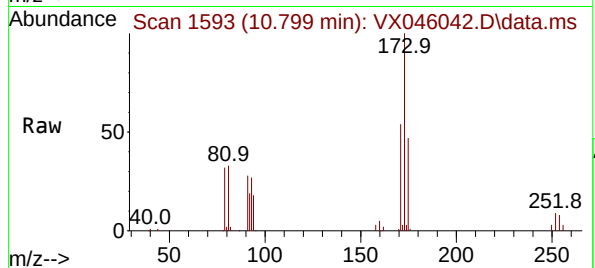
103 54.6 43.7 65.5





#71
Bromoform
Concen: 39.457 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

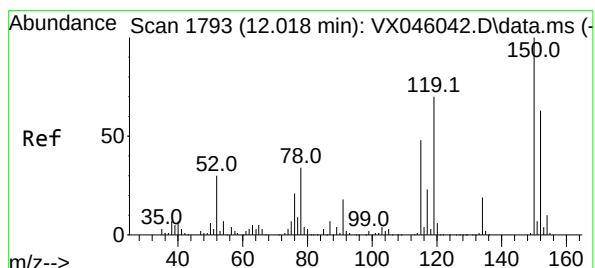
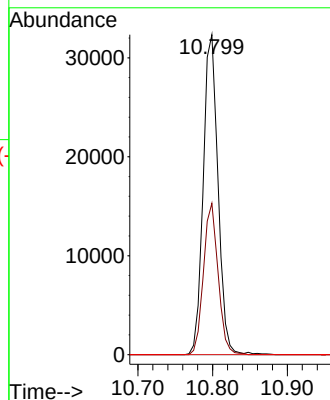
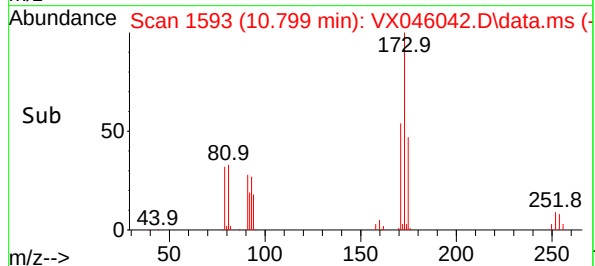
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:173 Resp: 44480
Ion Ratio Lower Upper
173 100
175 46.7 23.4 70.0
254 0.0 0.0 0.0

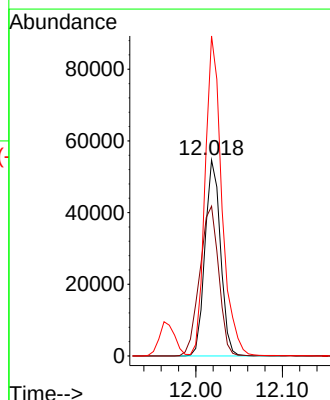
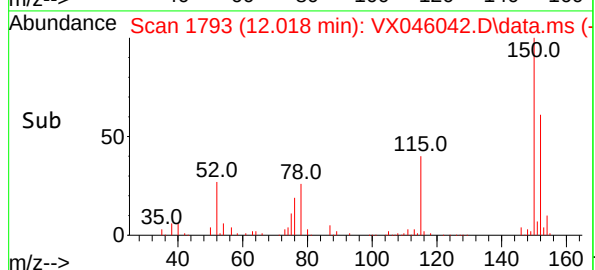
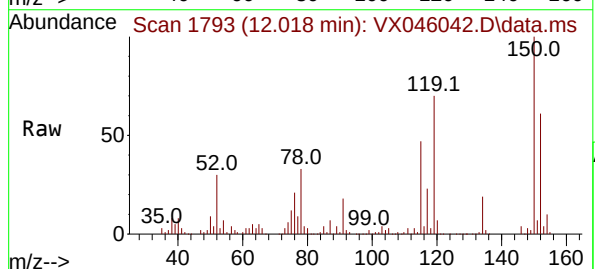
Manual Integrations
APPROVED

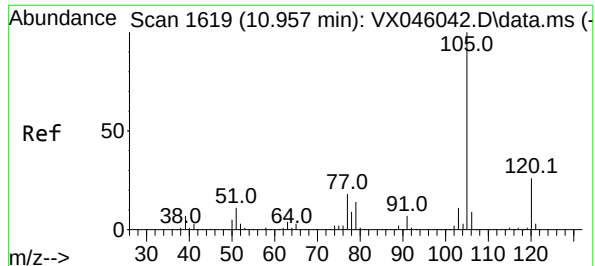
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:152 Resp: 67976
Ion Ratio Lower Upper
152 100
115 93.8 46.9 140.7
150 175.5 0.0 351.0





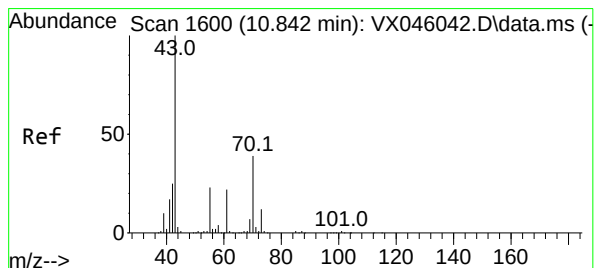
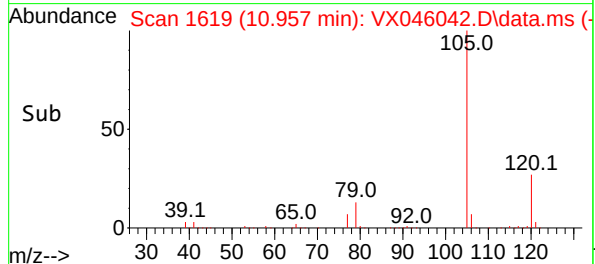
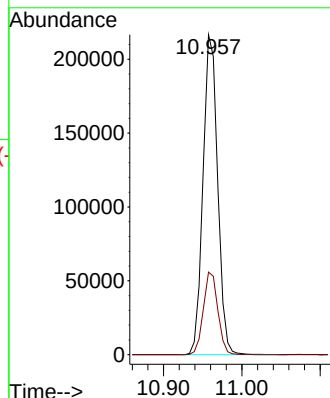
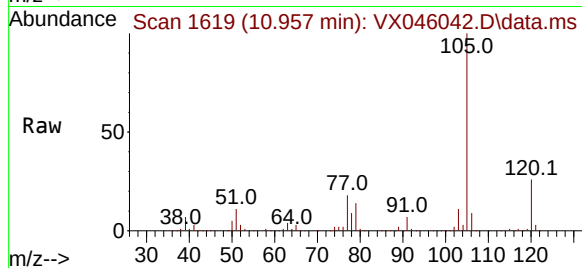
#73
Isopropylbenzene
Concen: 37.865 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 280719
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.4

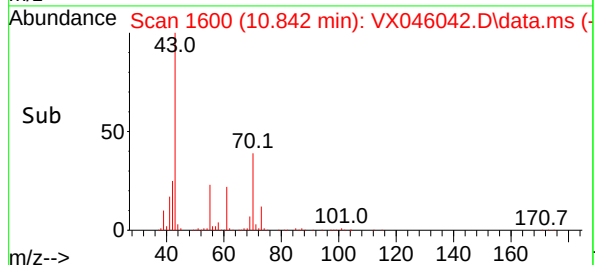
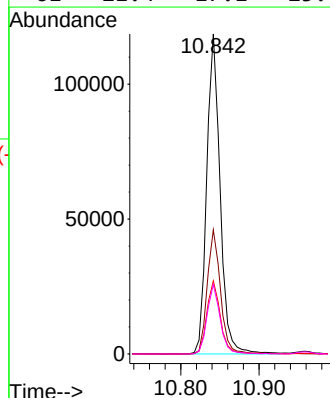
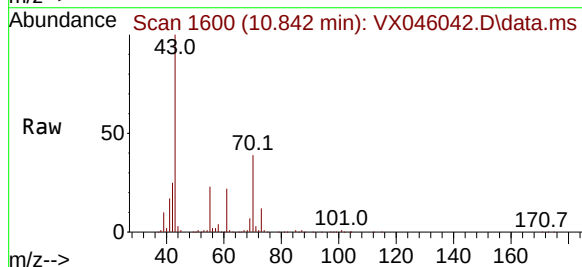
Manual Integrations
APPROVED

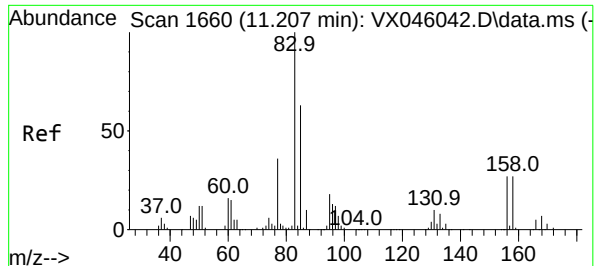
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#74
N-ethyl acetate
Concen: 38.012 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 140509
Ion Ratio Lower Upper
43 100
70 38.6 30.9 46.3
55 23.4 18.7 28.1
61 21.4 17.1 25.7





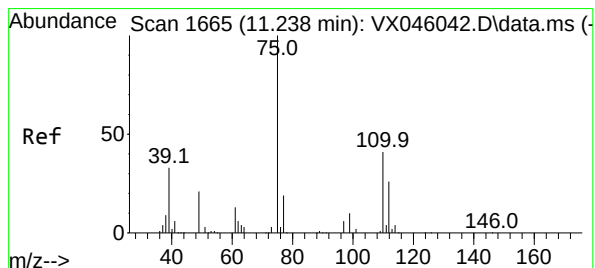
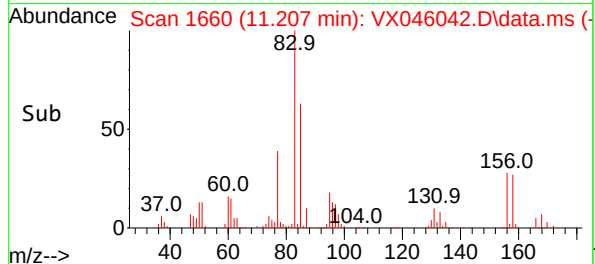
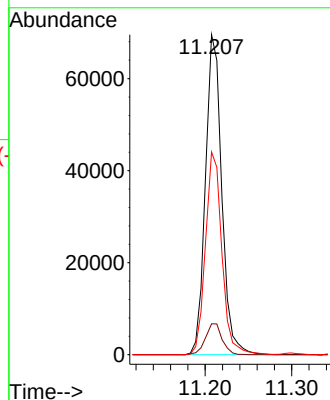
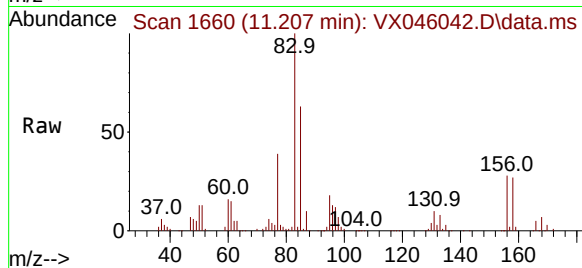
#75
1,1,2,2-Tetrachloroethane
Concen: 34.495 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 90975
Ion Ratio Lower Upper
83 100
131 9.9 5.0 14.9
85 63.8 31.9 95.7

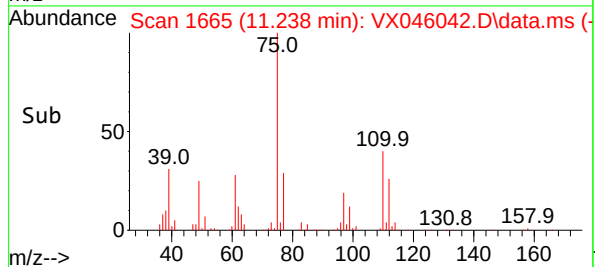
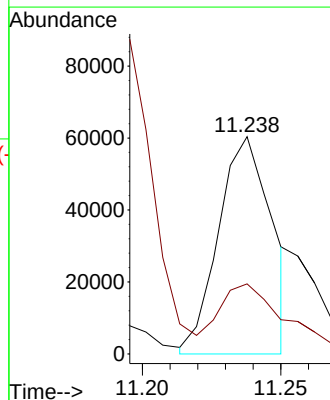
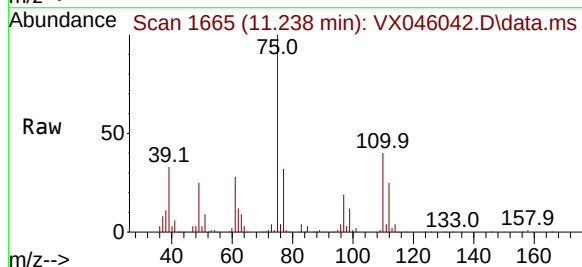
Manual Integrations
APPROVED

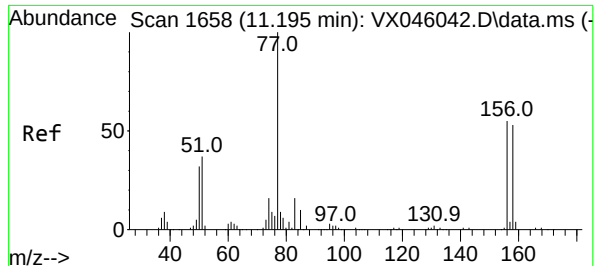
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#76
1,2,3-Trichloropropane
Concen: 28.468 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

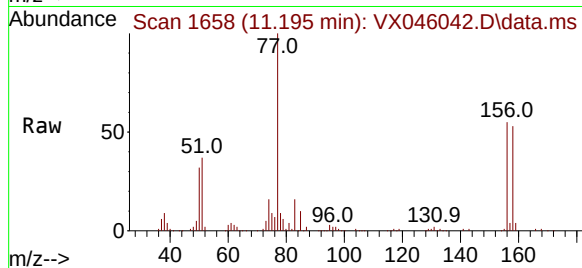
Tgt Ion: 75 Resp: 80678
Ion Ratio Lower Upper
75 100
77 41.0 20.5 61.5





#77
Bromobenzene
Concen: 36.763 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

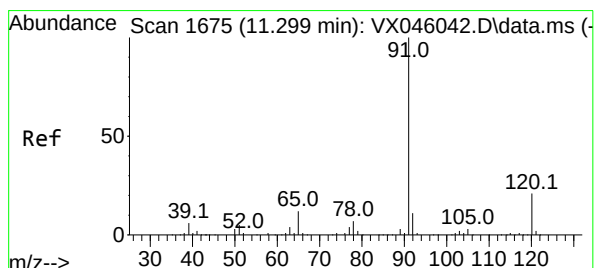
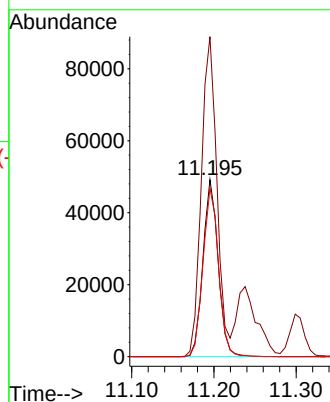
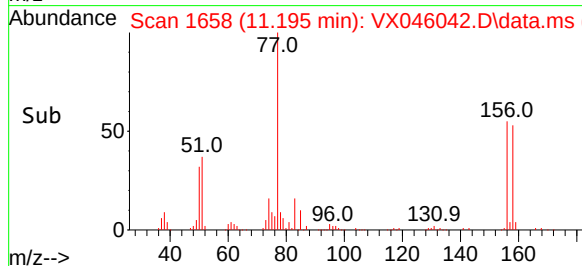
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:156 Resp: 6305
Ion Ratio Lower Upper
156 100
77 185.5 92.8 278.3
158 97.5 48.8 146.3

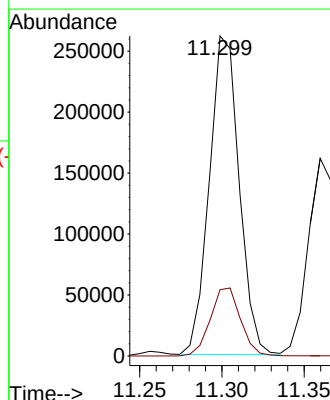
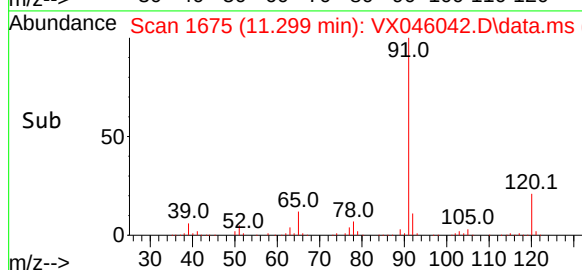
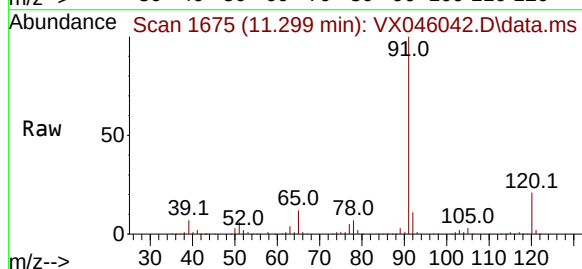
Manual Integrations
APPROVED

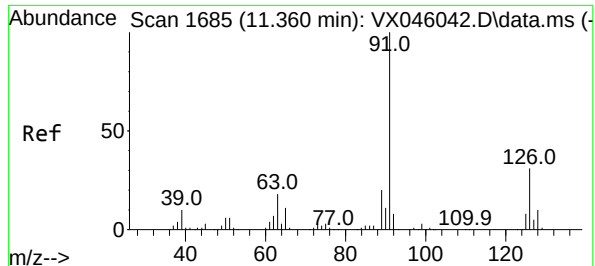
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#78
n-propylbenzene
Concen: 39.707 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 329981
Ion Ratio Lower Upper
91 100
120 21.6 10.8 32.4





#79

2-Chlorotoluene

Concen: 36.336 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 203509

Ion Ratio Lower Upper

91 100

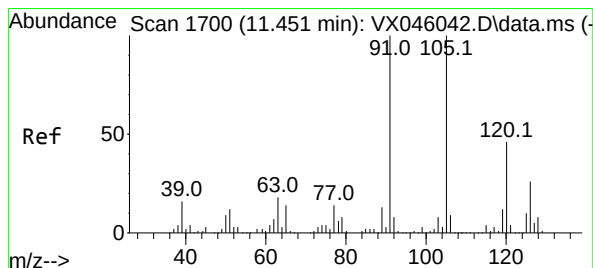
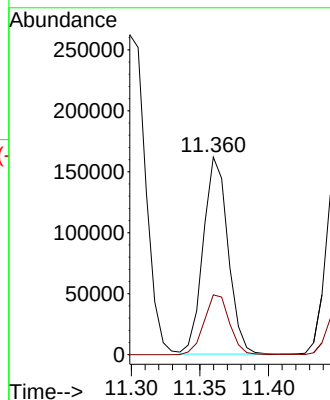
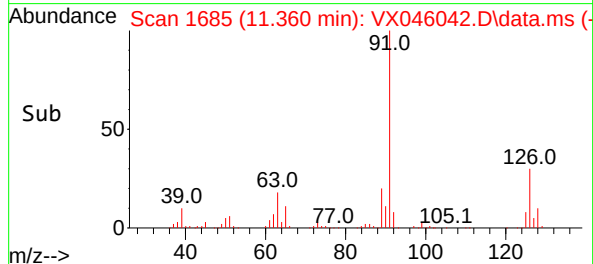
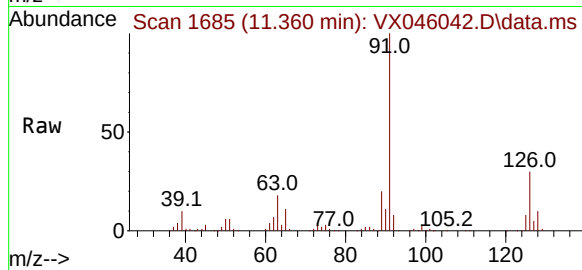
126 31.1 15.6 46.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#80

1,3,5-Trimethylbenzene

Concen: 38.516 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX046042.D

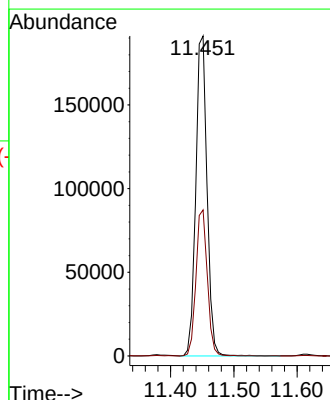
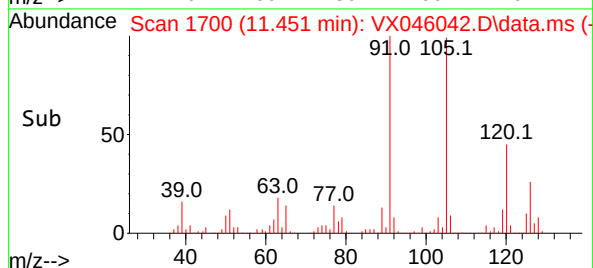
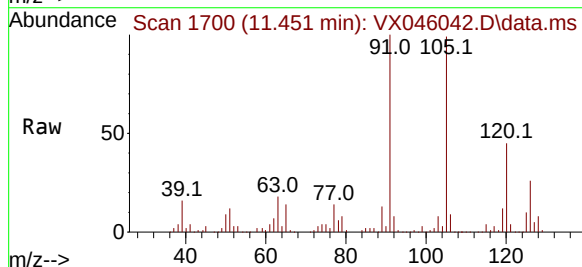
Acq: 05 May 2025 11:58

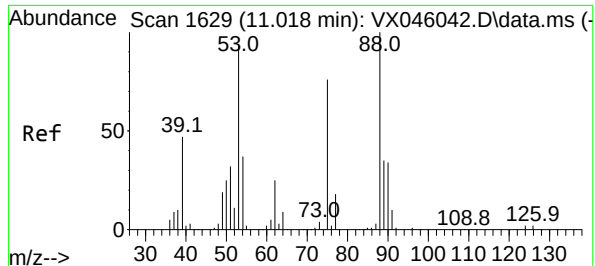
Tgt Ion:105 Resp: 237066

Ion Ratio Lower Upper

105 100

120 46.1 23.1 69.2





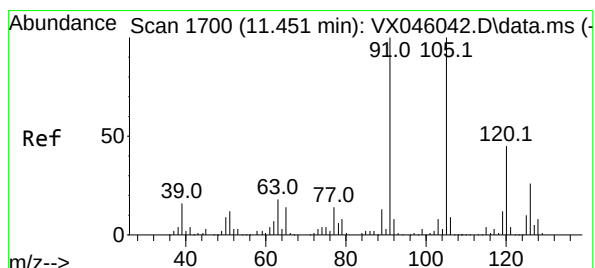
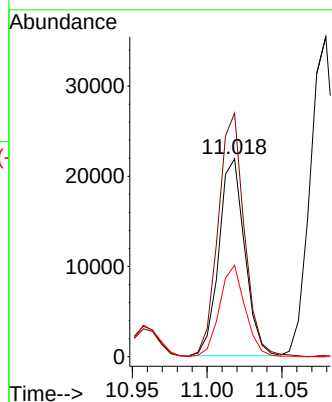
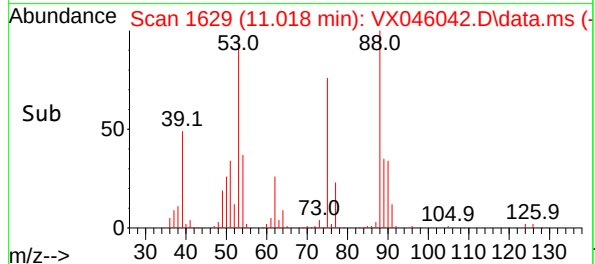
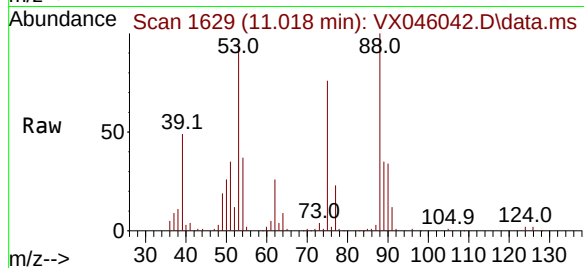
#81
trans-1,4-Dichloro-2-butene
Concen: 38.445 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 26179
Ion Ratio Lower Upper
75 100
53 125.6 100.5 150.7
89 46.3 37.0 55.6

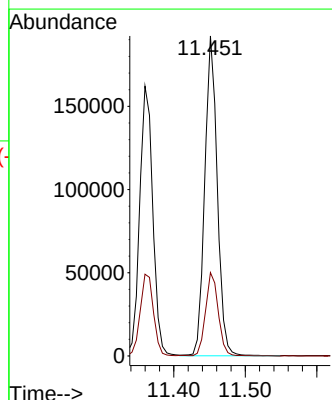
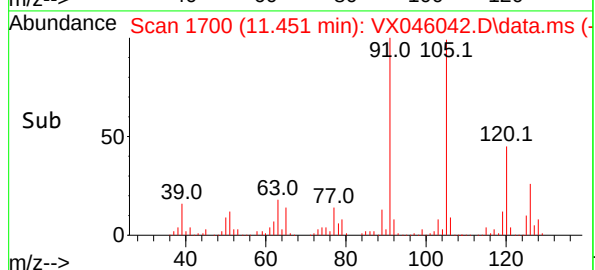
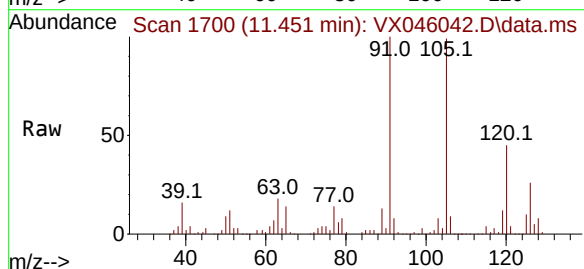
Manual Integrations
APPROVED

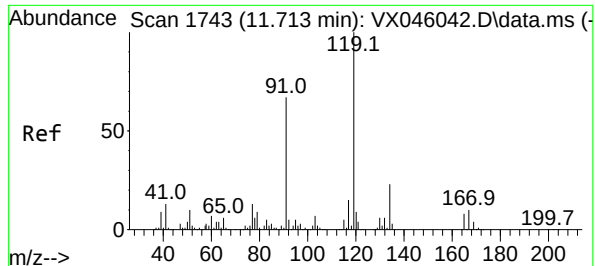
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#82
4-Chlorotoluene
Concen: 37.880 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

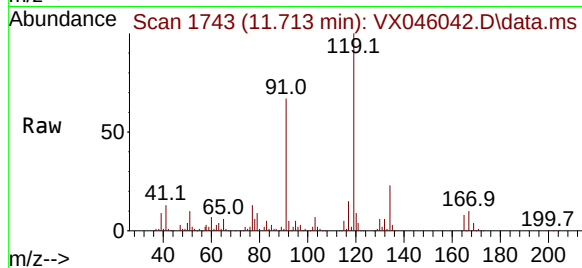
Tgt Ion: 91 Resp: 233172
Ion Ratio Lower Upper
91 100
126 26.5 13.3 39.8





#83
tert-Butylbenzene
Concen: 38.622 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

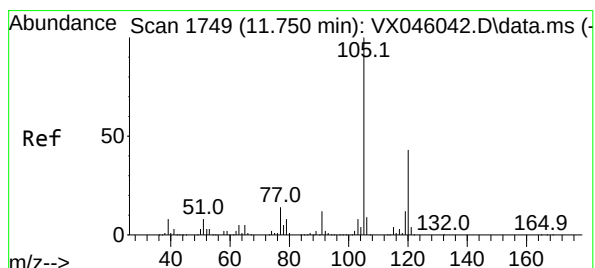
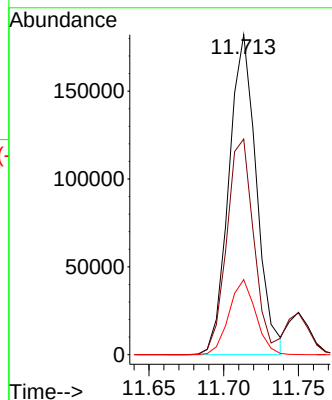
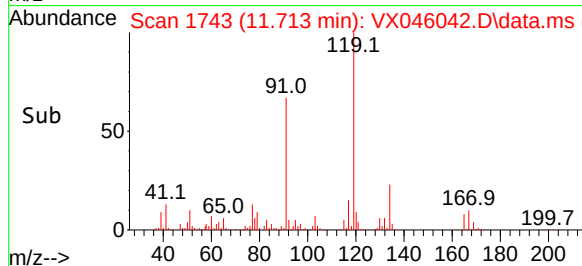
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:119 Resp: 233468
Ion Ratio Lower Upper
119 100
91 65.8 32.9 98.7
134 22.7 11.4 34.1

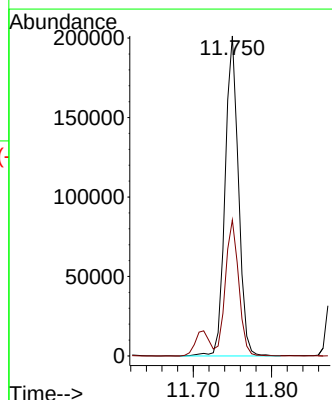
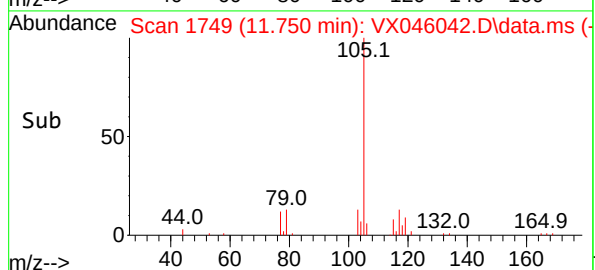
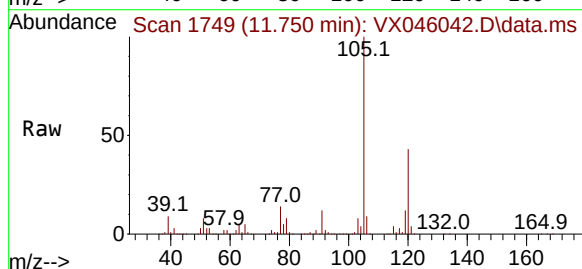
Manual Integrations
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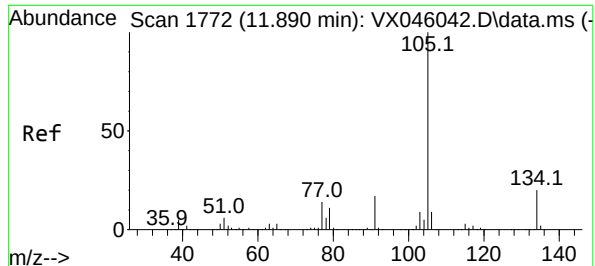
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#84
1,2,4-Trimethylbenzene
Concen: 38.946 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 239433
Ion Ratio Lower Upper
105 100
120 42.4 21.2 63.6





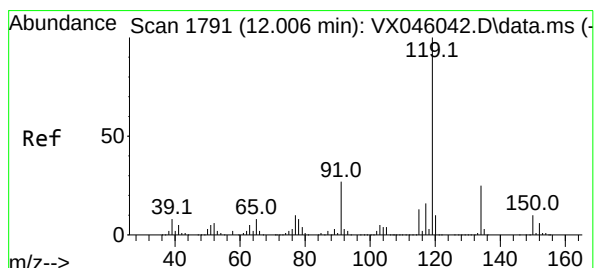
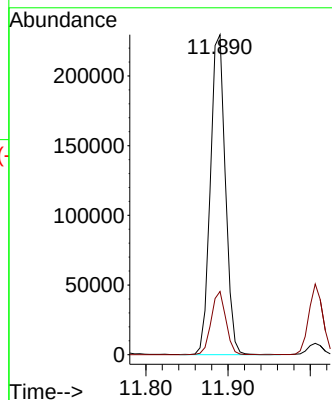
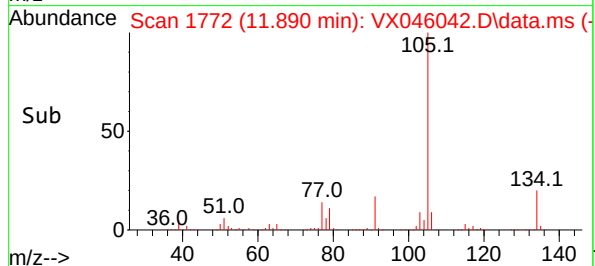
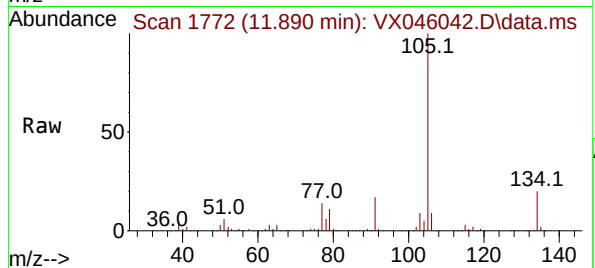
#85
sec-Butylbenzene
Concen: 38.786 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 291074
Ion Ratio Lower Upper
105 100
134 19.4 9.7 29.1

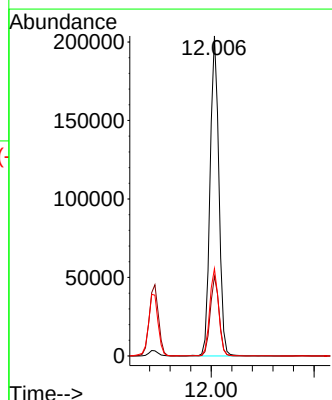
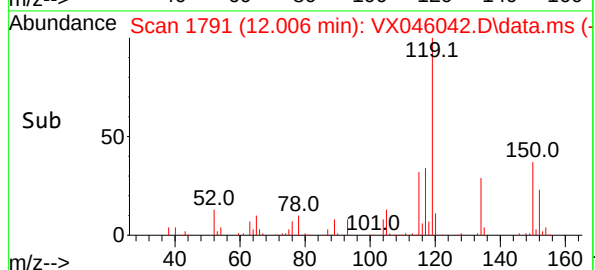
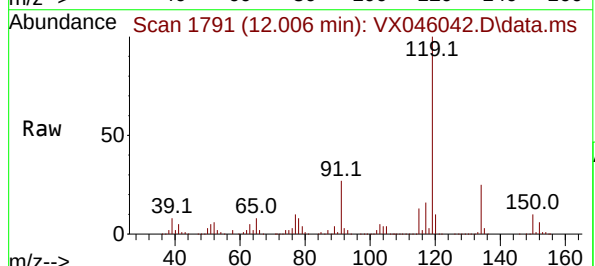
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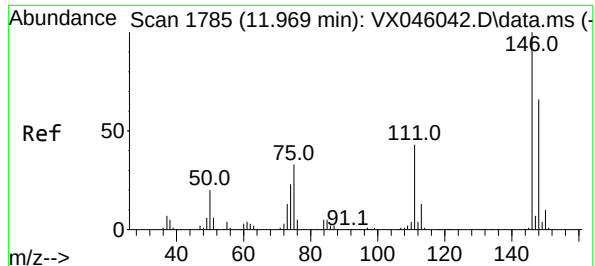
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#86
p-Isopropyltoluene
Concen: 39.879 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:119 Resp: 241658
Ion Ratio Lower Upper
119 100
134 25.0 12.5 37.5
91 27.6 13.8 41.4





#87

1,3-Dichlorobenzene

Concen: 36.199 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 11565

Ion Ratio Lower Upper

146 100

111 44.2 22.1 66.3

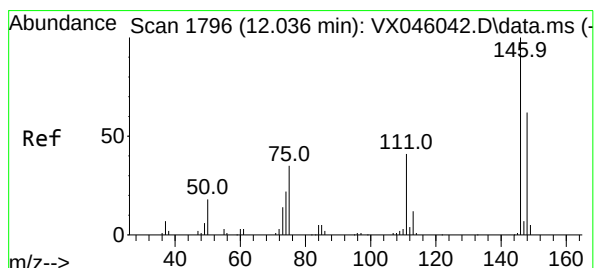
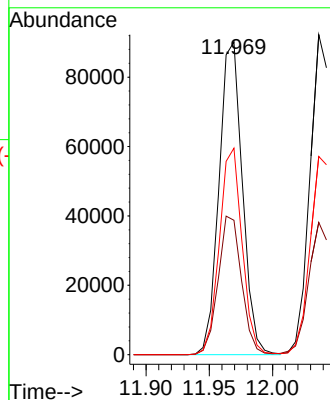
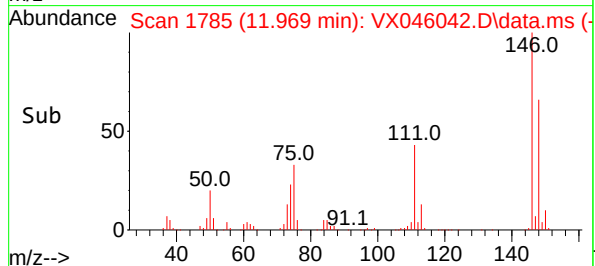
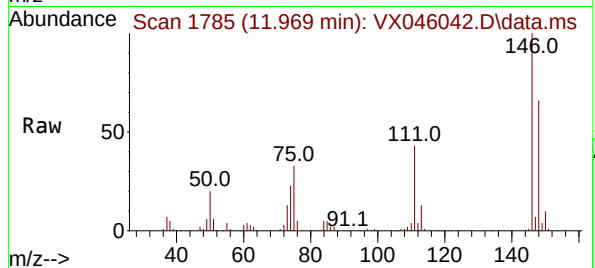
148 64.3 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#88

1,4-Dichlorobenzene

Concen: 36.763 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

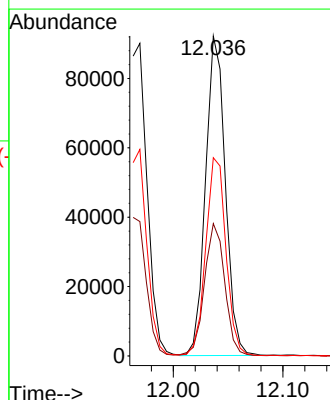
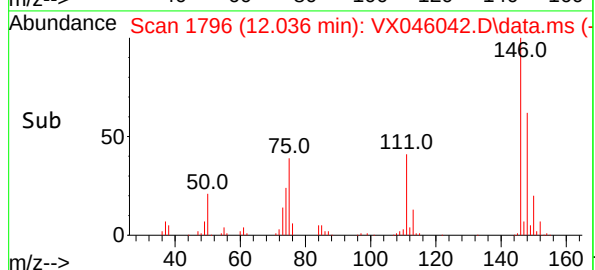
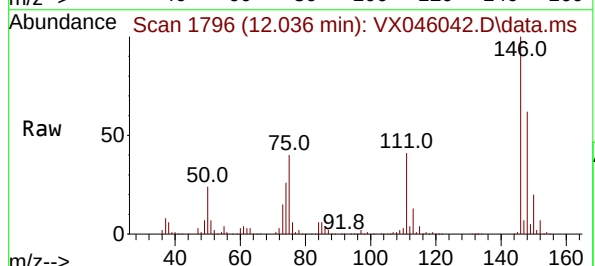
Tgt Ion:146 Resp: 115097

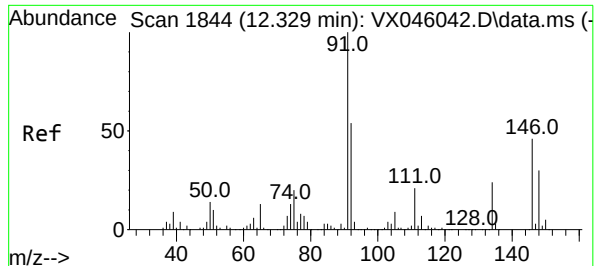
Ion Ratio Lower Upper

146 100

111 42.6 21.3 63.9

148 63.7 31.9 95.5





#89

n-Butylbenzene

Concen: 40.603 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX046042.D

Acq: 05 May 2025 11:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 21389

Ion Ratio Lower Upper

91 100

92 53.8 26.9 80.7

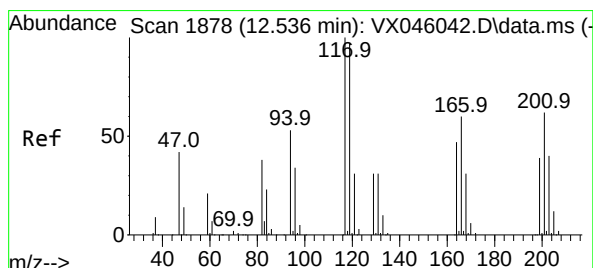
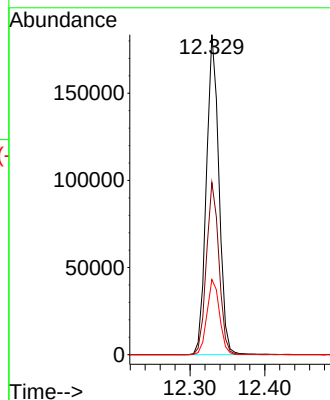
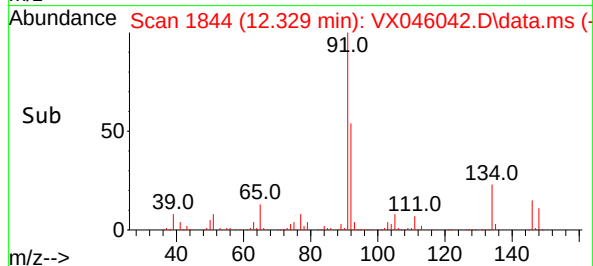
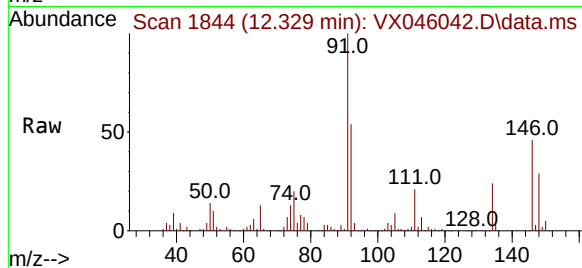
134 23.5 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#90

Hexachloroethane

Concen: 37.534 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX046042.D

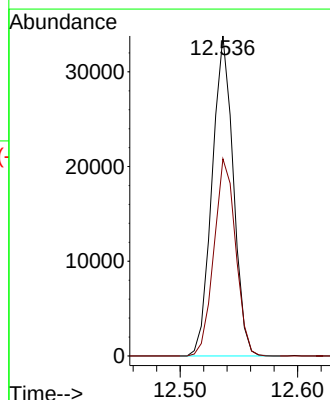
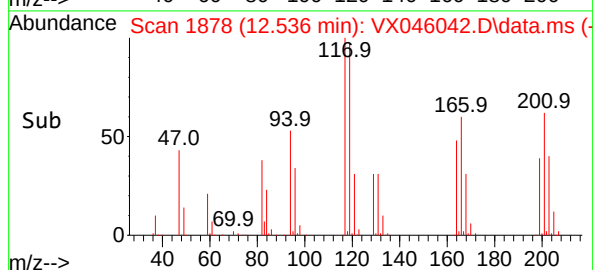
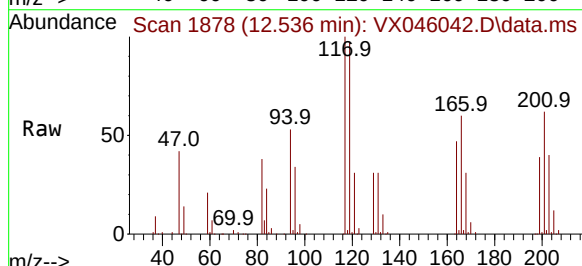
Acq: 05 May 2025 11:58

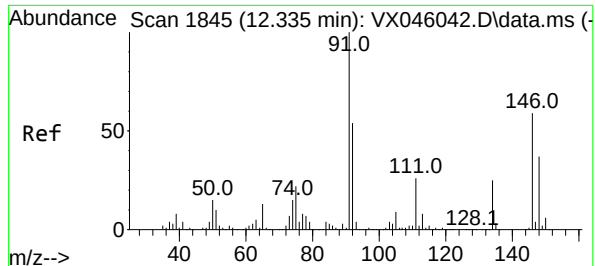
Tgt Ion:117 Resp: 42314

Ion Ratio Lower Upper

117 100

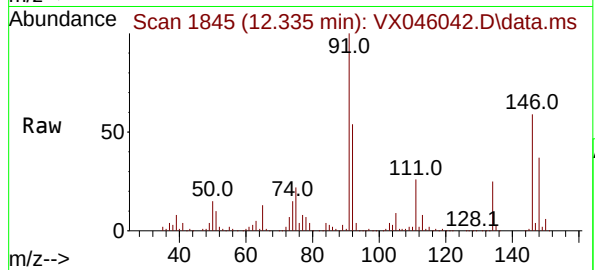
201 63.1 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 37.047 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

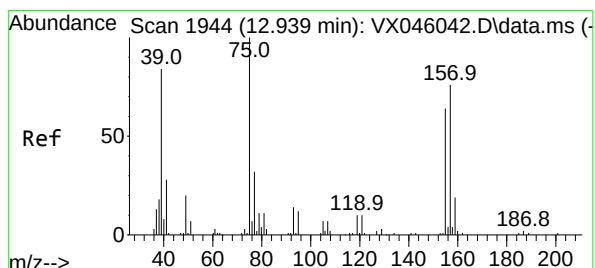
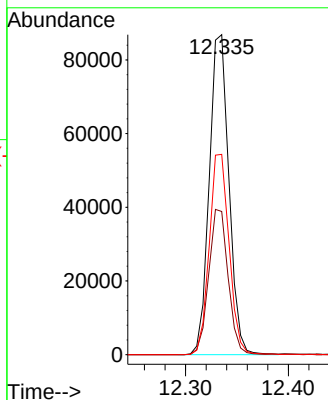
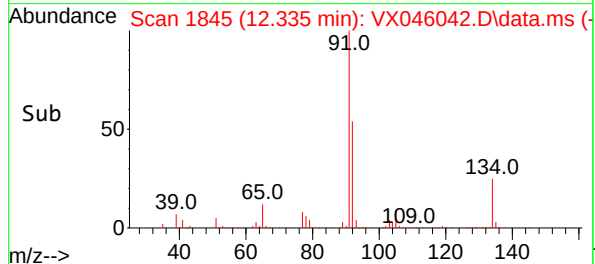
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:146 Resp: 115280
Ion Ratio Lower Upper
146 100
111 44.9 22.4 67.3
148 63.2 31.6 94.8

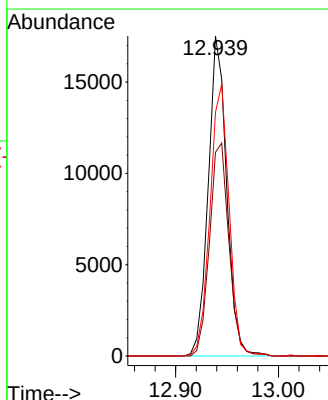
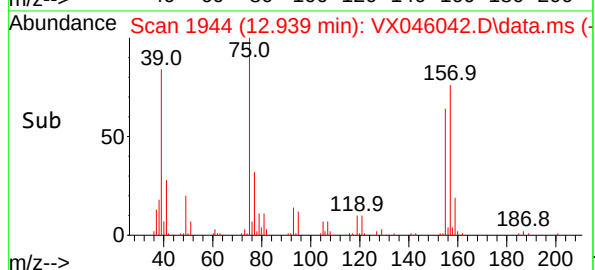
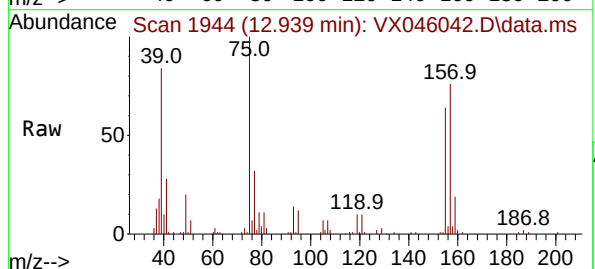
Manual Integrations
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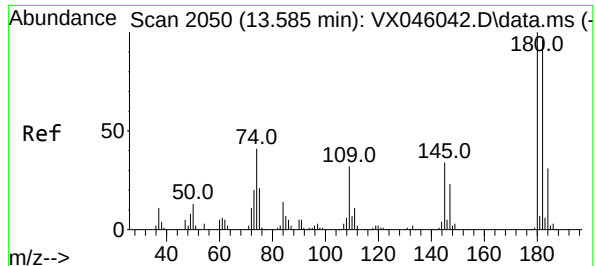
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 36.496 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

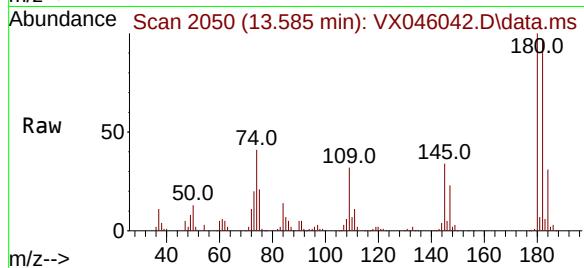
Tgt Ion: 75 Resp: 21909
Ion Ratio Lower Upper
75 100
155 69.9 34.9 104.8
157 87.6 43.8 131.4





#93
1,2,4-Trichlorobenzene
Concen: 39.117 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

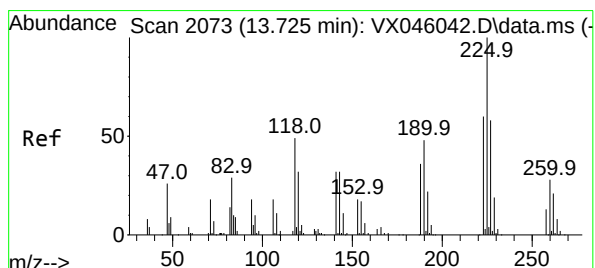
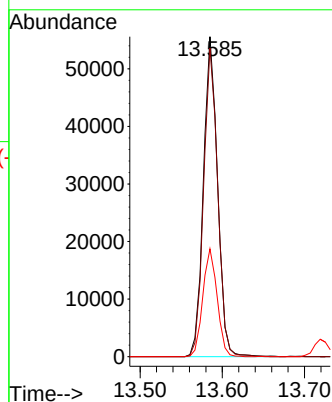
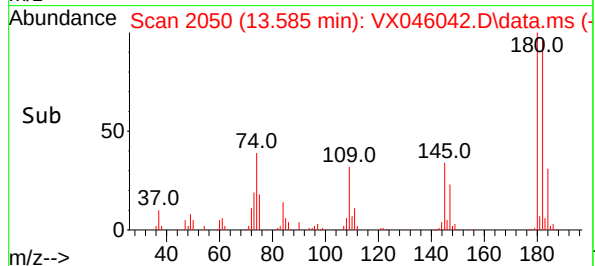
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:180 Resp: 6665
Ion Ratio Lower Upper
180 100
182 95.9 47.9 143.8
145 34.1 17.1 51.2

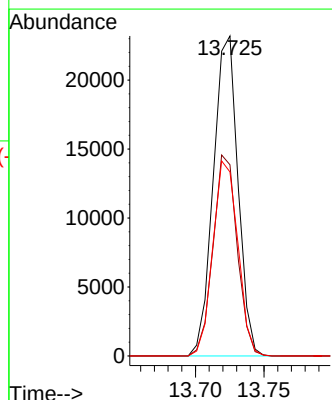
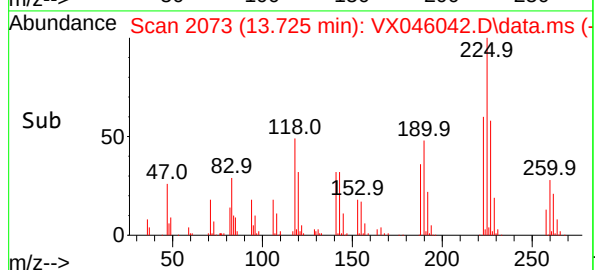
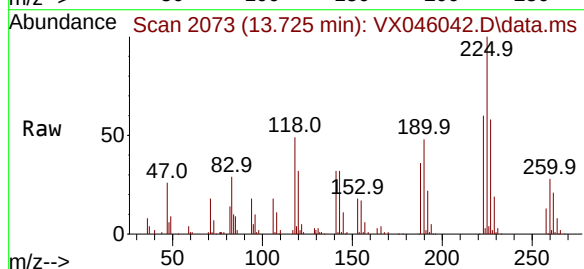
Manual Integrations
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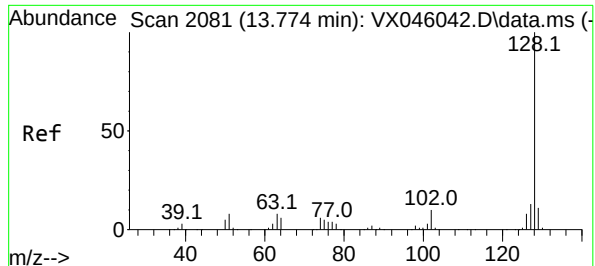
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#94
Hexachlorobutadiene
Concen: 36.395 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

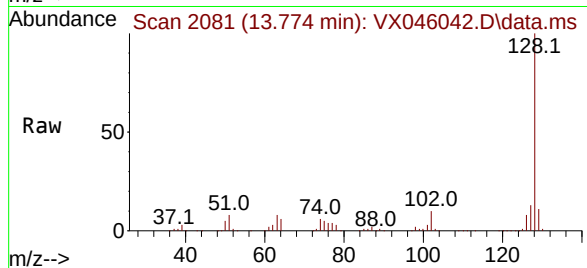
Tgt Ion:225 Resp: 29007
Ion Ratio Lower Upper
225 100
223 61.6 30.8 92.4
227 61.8 30.9 92.7





#95
Naphthalene
Concen: 39.575 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

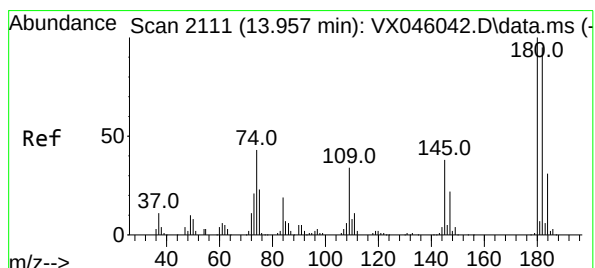
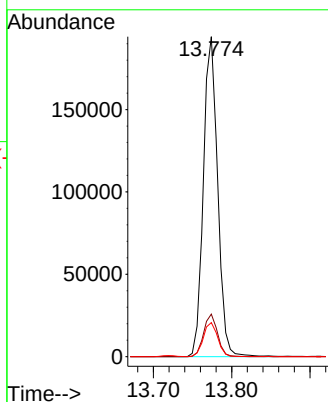
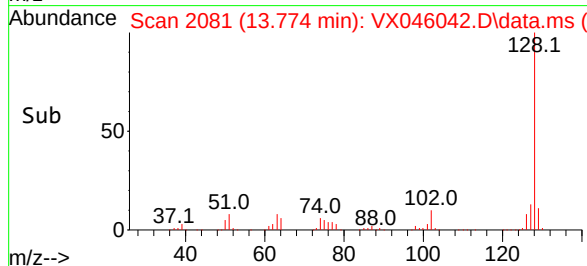
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 245568
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.8 8.6 13.0

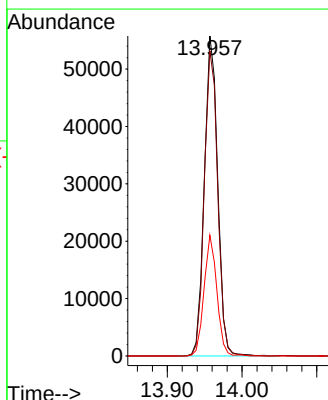
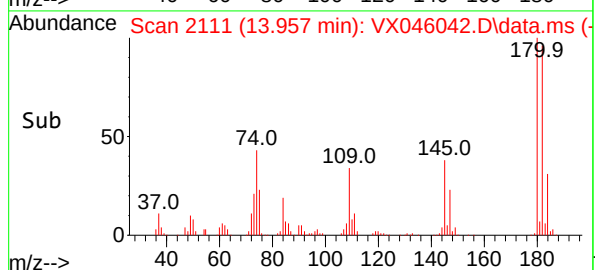
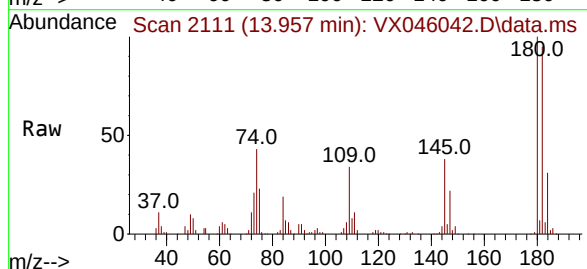
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 38.765 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:180 Resp: 69262
Ion Ratio Lower Upper
180 100
182 95.5 47.8 143.3
145 36.2 18.1 54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046043.D
 Acq On : 05 May 2025 12:21
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
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Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	87028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161877	62.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.060%#			
35) Dibromofluoromethane	5.379	113	111455	65.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 130.020%#			
50) Toluene-d8	8.647	98	387230	67.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 134.060%#			
62) 4-Bromofluorobenzene	11.079	95	153085	72.818	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 145.640%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	149508	77.828	ug/l	99
3) Chloromethane	1.307	50	136937	72.392	ug/l	98
4) Vinyl Chloride	1.374	62	126609	76.398	ug/l	98
5) Bromomethane	1.593	94	59246	70.507	ug/l	99
6) Chloroethane	1.660	64	57332	67.148	ug/l	99
7) Trichlorofluoromethane	1.867	101	171042	67.754	ug/l	99
8) Diethyl Ether	2.136	74	58762	70.807	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	109520	72.604	ug/l	99
10) Methyl Iodide	2.440	142	138045	77.943	ug/l	100
11) Tert butyl alcohol	2.995	59	125094	405.394	ug/l	100
12) 1,1-Dichloroethene	2.306	96	105566	71.884	ug/l	96
13) Acrolein	2.239	56	134456	375.132	ug/l	99
14) Allyl chloride	2.660	41	206519	74.419	ug/l	98
15) Acrylonitrile	3.068	53	331142	358.723	ug/l	97
16) Acetone	2.386	43	314383	354.936	ug/l	98
17) Carbon Disulfide	2.501	76	264956	77.867	ug/l	100
18) Methyl Acetate	2.703	43	147014	69.531	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	378113	73.818	ug/l	100
20) Methylene Chloride	2.782	84	120270	67.030	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	106606	71.109	ug/l	99
22) Diisopropyl ether	3.763	45	399494	77.048	ug/l	90
23) Vinyl Acetate	3.721	43	1811550	395.363	ug/l	100
24) 1,1-Dichloroethane	3.605	63	219759	72.114	ug/l	99
25) 2-Butanone	4.556	43	485448	379.704	ug/l	100
26) 2,2-Dichloropropane	4.464	77	174579	75.621	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	128454	71.056	ug/l	99
28) Bromochloromethane	4.891	49	103602	63.932	ug/l	100
29) Tetrahydrofuran	5.001	42	305757	368.234	ug/l	99
30) Chloroform	5.086	83	222253	70.180	ug/l	95
31) Cyclohexane	5.458	56	196302	76.428	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	201112	73.635	ug/l	98
36) 1,1-Dichloropropene	5.690	75	147873	74.285	ug/l	99
37) Ethyl Acetate	4.714	43	186215	74.565	ug/l	99
38) Carbon Tetrachloride	5.672	117	168946	73.875	ug/l	99
39) Methylcyclohexane	7.372	83	191941	76.952	ug/l	96
40) Benzene	6.031	78	440885	71.457	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046043.D
 Acq On : 05 May 2025 12:21
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	104863	75.574	ug/l	98
42) 1,2-Dichloroethane	6.080	62	187036	73.318	ug/l	99
43) Isopropyl Acetate	6.342	43	300491	78.714	ug/l	100
44) Trichloroethene	7.123	130	105628	72.420	ug/l	98
45) 1,2-Dichloropropane	7.427	63	112554	73.420	ug/l	100
46) Dibromomethane	7.574	93	85728	70.938	ug/l	100
47) Bromodichloromethane	7.818	83	175301	74.845	ug/l	99
48) Methyl methacrylate	7.689	41	153093	78.101	ug/l	99
49) 1,4-Dioxane	7.659	88	57313	1470.687	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	963319	384.740	ug/l	100
52) Toluene	8.714	92	270763	74.010	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	169863	86.372	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	184134	80.264	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	107264	72.543	ug/l	99
56) Ethyl methacrylate	9.116	69	188717	82.359	ug/l	99
57) 1,3-Dichloropropane	9.305	76	187649	71.590	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	463169	449.791	ug/l	100
59) 2-Hexanone	9.433	43	729602	383.945	ug/l	100
60) Dibromochloromethane	9.518	129	127012	78.918	ug/l	98
61) 1,2-Dibromoethane	9.610	107	112669	74.200	ug/l	98
64) Tetrachloroethene	9.268	164	93195	67.493	ug/l	96
65) Chlorobenzene	10.079	112	293284	70.490	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	103177	74.349	ug/l	99
67) Ethyl Benzene	10.189	91	535122	75.444	ug/l	99
68) m/p-Xylenes	10.299	106	389935	152.181	ug/l	99
69) o-Xylene	10.640	106	190833	73.890	ug/l	97
70) Styrene	10.652	104	328195	79.411	ug/l	100
71) Bromoform	10.799	173	84353	80.927	ug/l #	98
73) Isopropylbenzene	10.957	105	514528	71.083	ug/l	100
74) N-amyl acetate	10.841	43	274553	76.073	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	170481	66.207	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	150182m	54.277	ug/l	
77) Bromobenzene	11.195	156	117151	69.959	ug/l	99
78) n-propylbenzene	11.305	91	608332	74.974	ug/l	100
79) 2-Chlorotoluene	11.360	91	372392	68.100	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	432096	71.903	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	54398	81.820	ug/l	93
82) 4-Chlorotoluene	11.451	91	432053	71.890	ug/l	100
83) tert-Butylbenzene	11.713	119	432011	73.197	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	442728	73.758	ug/l	100
85) sec-Butylbenzene	11.890	105	543597	74.188	ug/l	100
86) p-Isopropyltoluene	12.006	119	457898	77.393	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	219753	70.449	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	217613	71.190	ug/l	99
89) n-Butylbenzene	12.329	91	416602	80.996	ug/l	100
90) Hexachloroethane	12.536	117	82528	74.978	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	216834	71.367	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43673	74.512	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	137430	82.605	ug/l	98
94) Hexachlorobutadiene	13.725	225	55494	71.314	ug/l	98
95) Naphthalene	13.774	128	489778	80.842	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	139525	79.981	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By : John Carlone 05/06/2025
Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

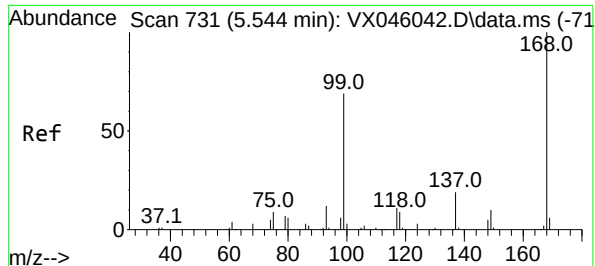
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

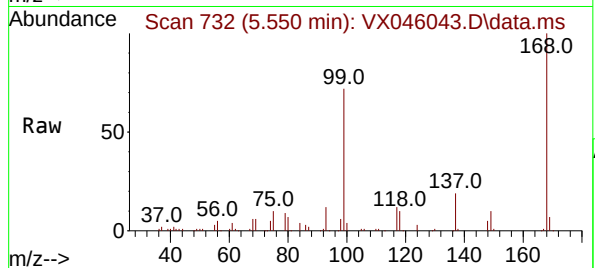
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

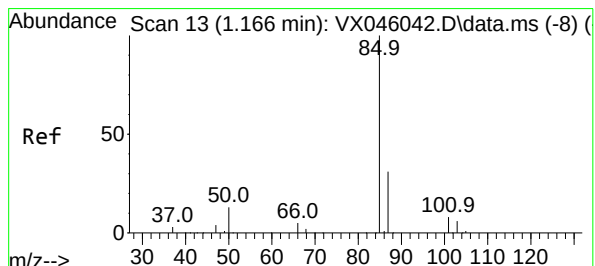
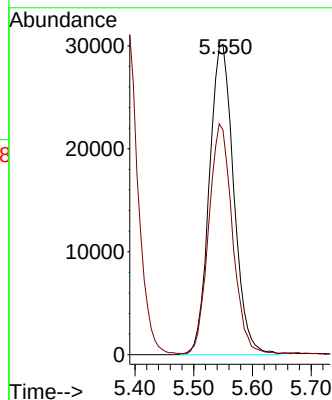
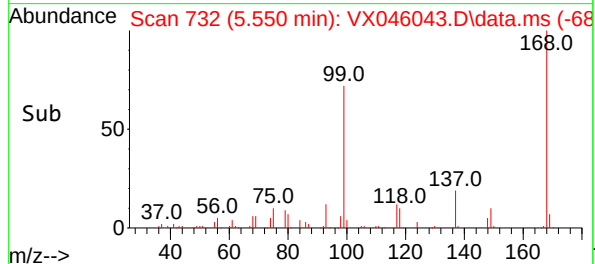
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion:168 Resp: 87028
Ion Ratio Lower Upper
168 100
99 72.1 54.9 82.3

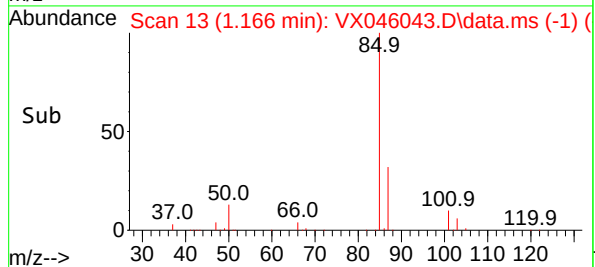
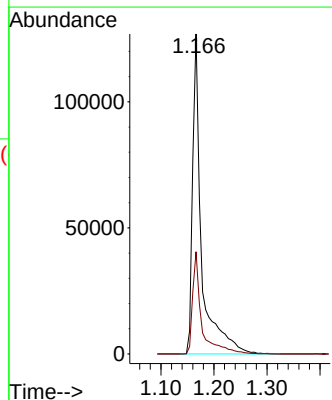
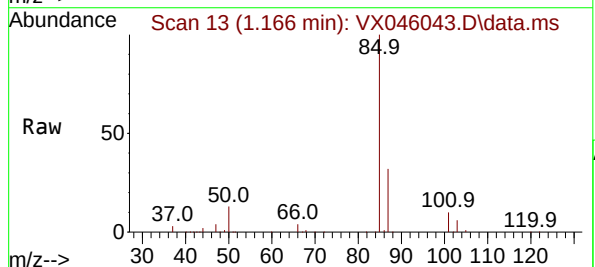
Manual Integrations
APPROVED

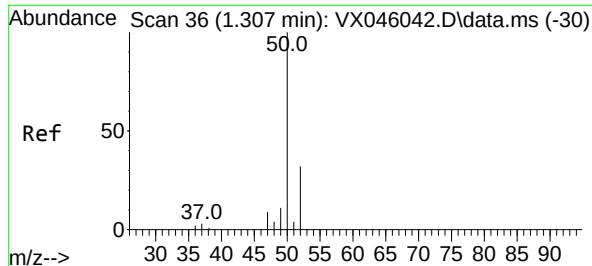
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#2
Dichlorodifluoromethane
Concen: 77.828 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

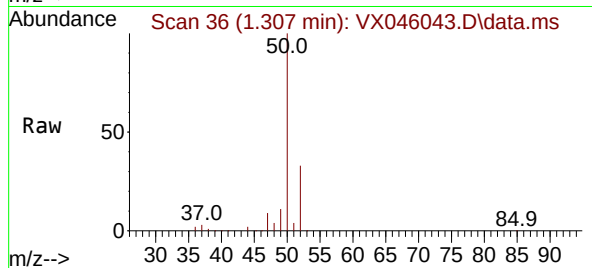
Tgt Ion: 85 Resp: 149508
Ion Ratio Lower Upper
85 100
87 32.0 15.7 47.1





#3
Chloromethane
Concen: 72.392 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

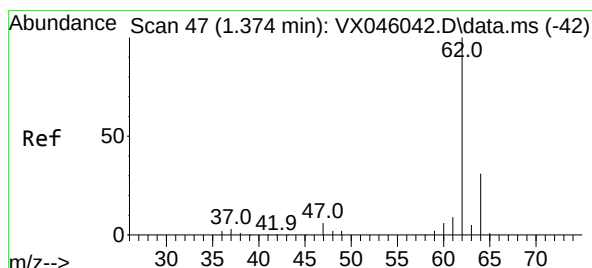
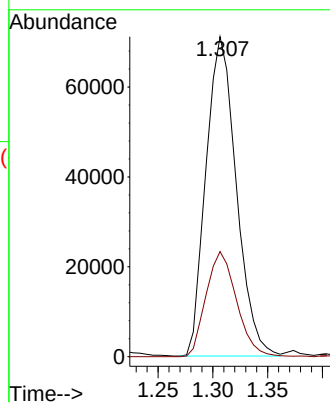
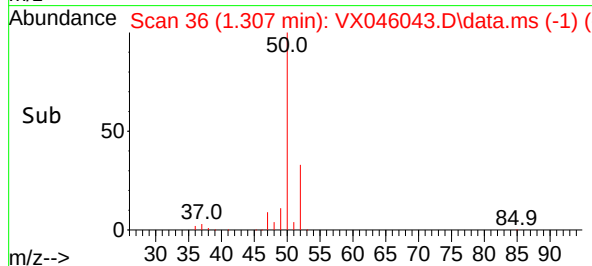
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 50 Resp: 13693
Ion Ratio Lower Upper
50 100
52 32.9 25.4 38.2

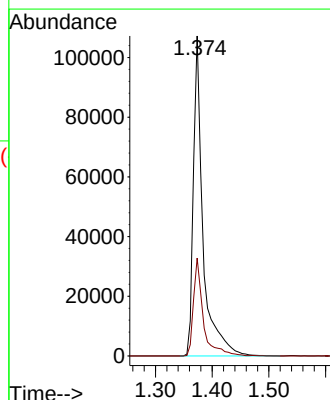
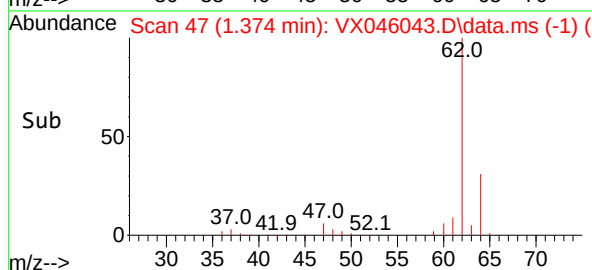
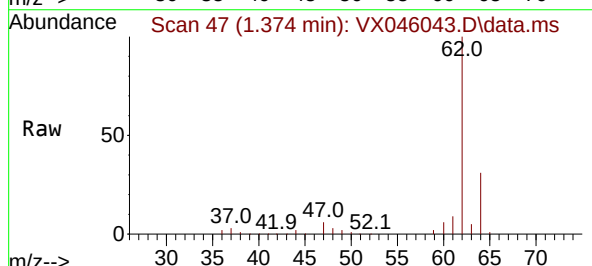
Manual Integrations
APPROVED

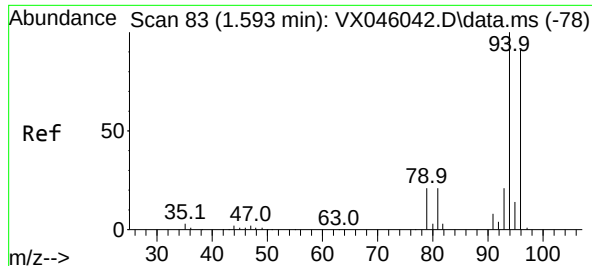
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#4
Vinyl Chloride
Concen: 76.398 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

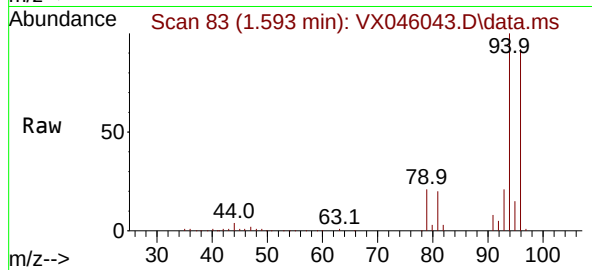
Tgt Ion: 62 Resp: 126609
Ion Ratio Lower Upper
62 100
64 30.6 25.2 37.8





#5
Bromomethane
Concen: 70.507 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

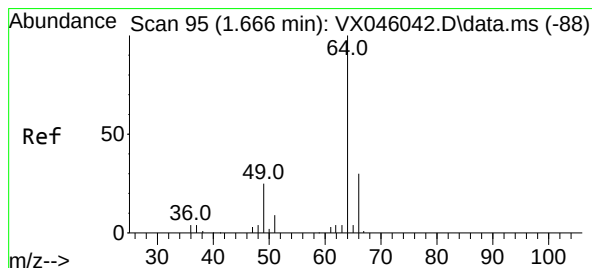
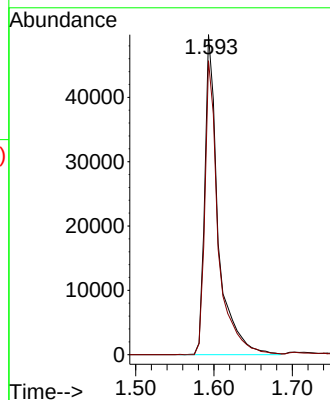
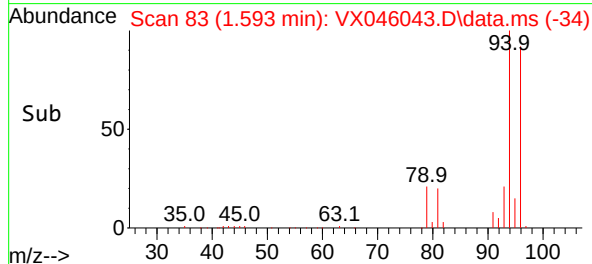
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 94 Resp: 59240
Ion Ratio Lower Upper
94 100
96 91.7 72.8 109.2

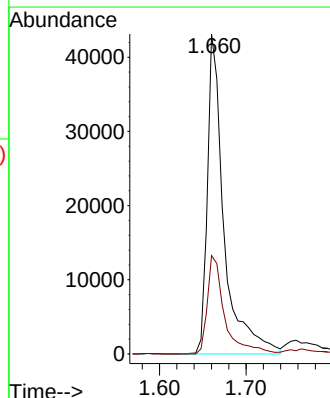
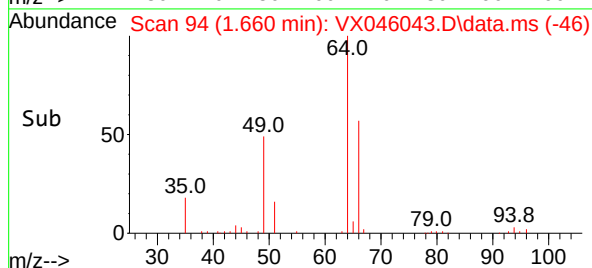
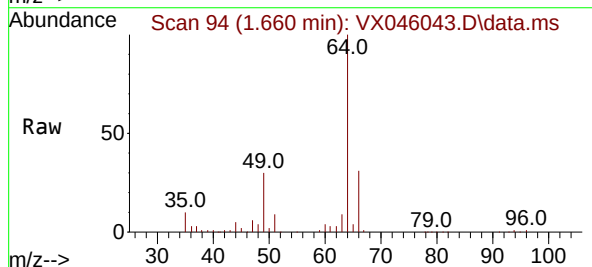
Manual Integrations
APPROVED

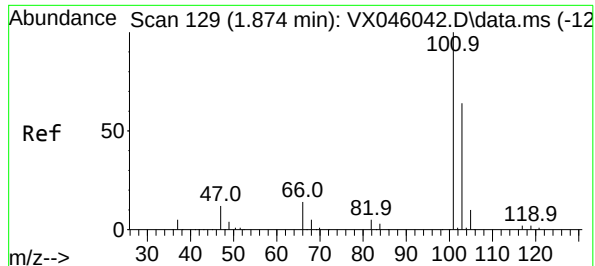
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#6
Chloroethane
Concen: 67.148 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

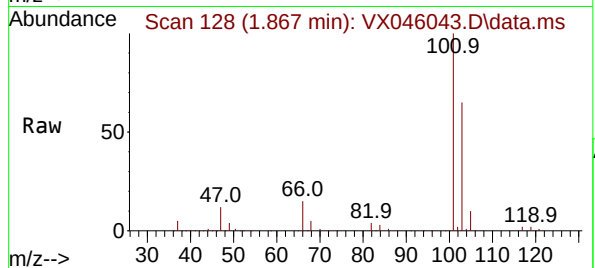
Tgt Ion: 64 Resp: 57332
Ion Ratio Lower Upper
64 100
66 30.8 24.3 36.5





#7
Trichlorofluoromethane
Concen: 67.754 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

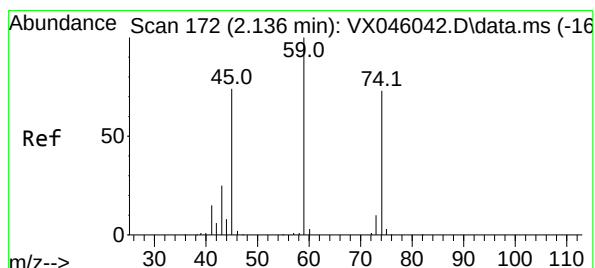
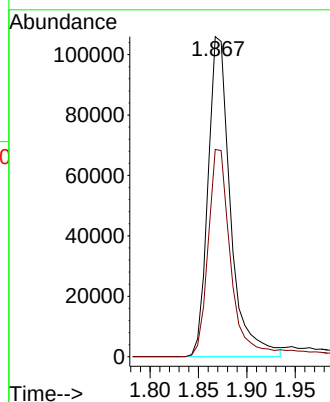
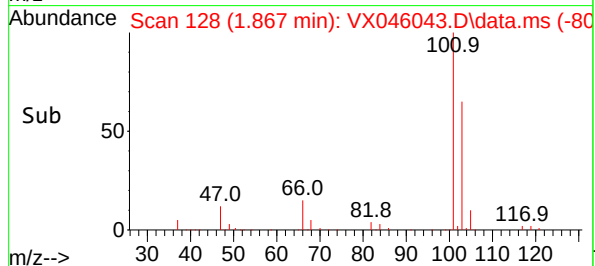
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion:101 Resp: 17104
Ion Ratio Lower Upper
101 100
103 64.8 51.0 76.4

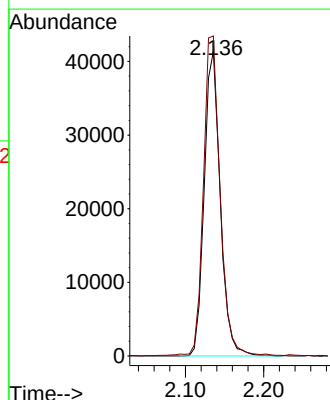
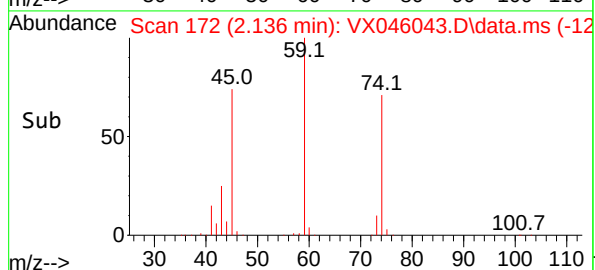
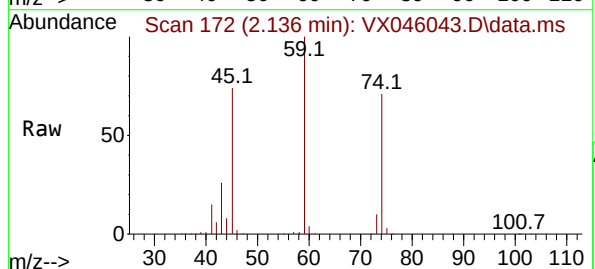
Manual Integrations
APPROVED

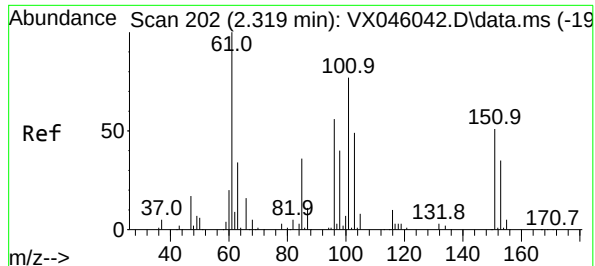
Reviewed By :John Carbone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#8
Diethyl Ether
Concen: 70.807 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

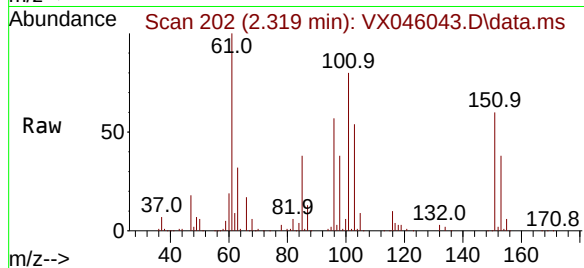
Tgt Ion: 74 Resp: 58762
Ion Ratio Lower Upper
74 100
45 110.1 54.9 164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 72.604 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

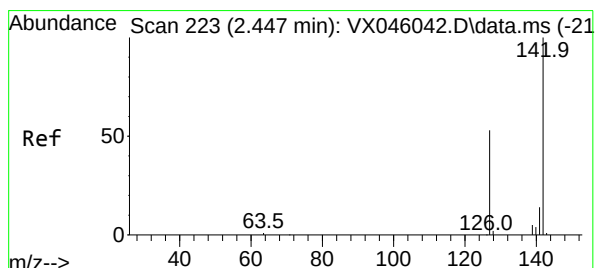
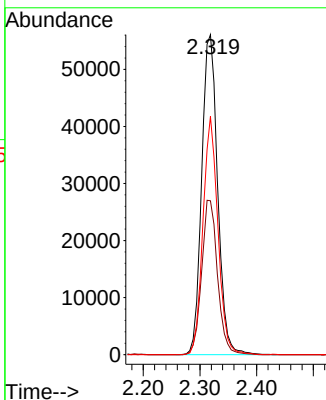
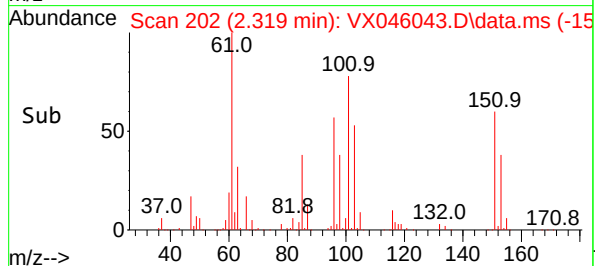
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



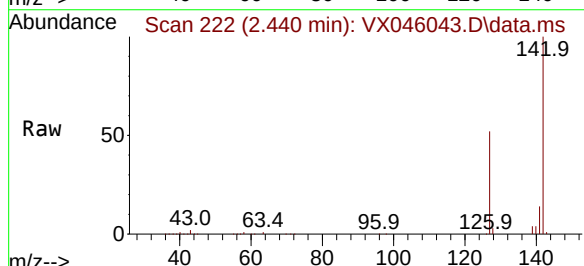
Tgt Ion:101 Resp: 109520
Ion Ratio Lower Upper
101 100
85 48.1 38.6 58.0
151 69.9 55.2 82.8

Manual Integrations
APPROVED

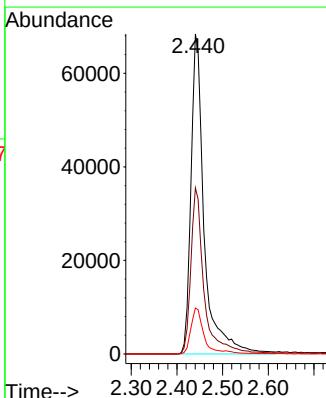
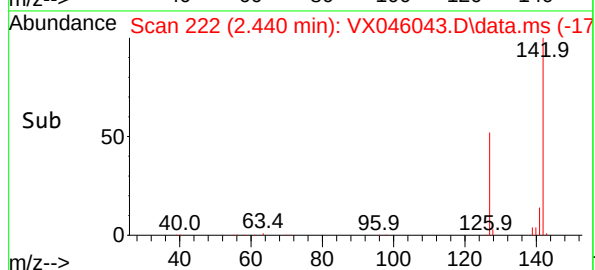
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

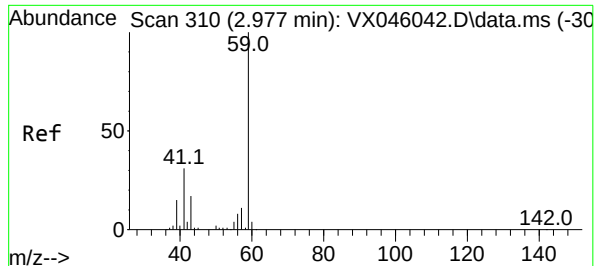


#10
Methyl Iodide
Concen: 77.943 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21



Tgt Ion:142 Resp: 138045
Ion Ratio Lower Upper
142 100
127 52.0 41.7 62.5
141 14.5 11.5 17.3





#11

Tert butyl alcohol

Concen: 405.394 ug/l

RT: 2.995 min Scan# 310

Delta R.T. 0.018 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 125094

Ion Ratio Lower Upper

59 100

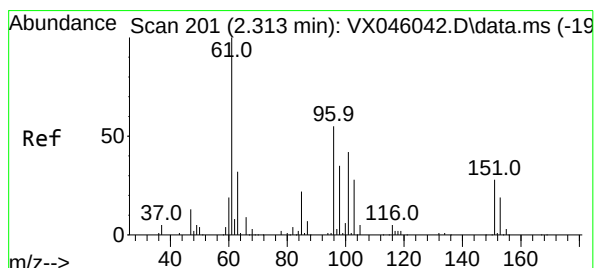
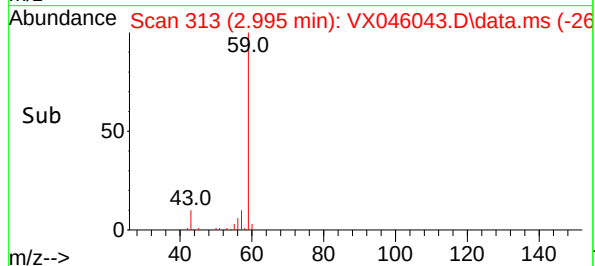
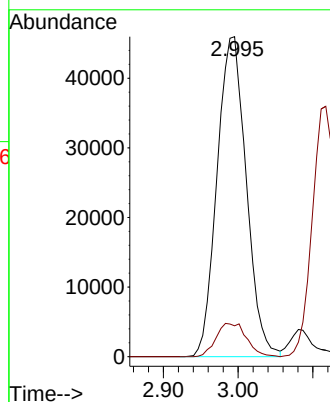
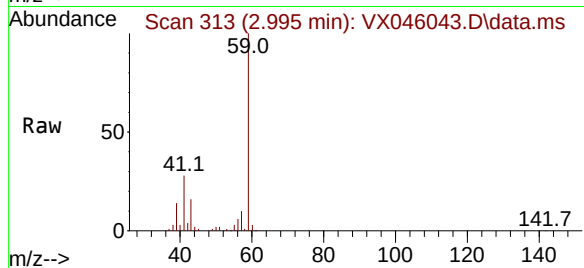
57 10.9 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#12

1,1-Dichloroethene

Concen: 71.884 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

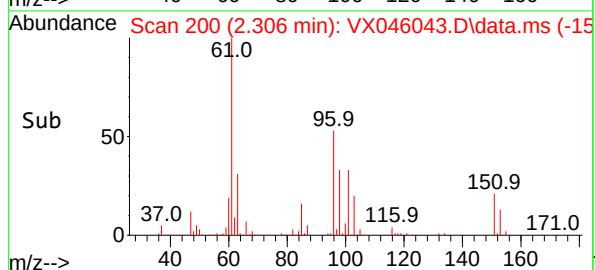
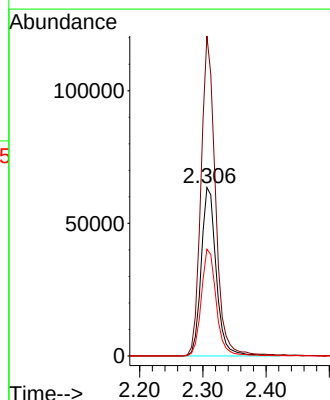
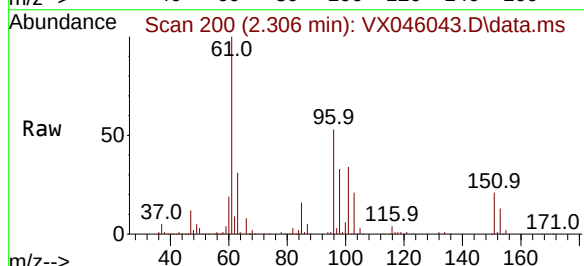
Tgt Ion: 96 Resp: 105566

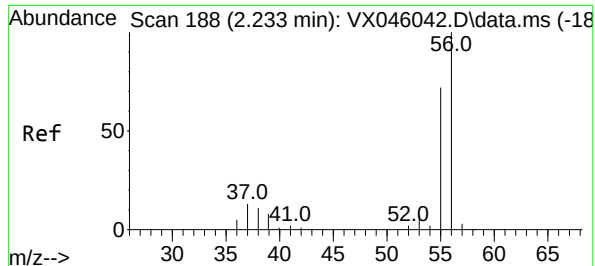
Ion Ratio Lower Upper

96 100

61 189.9 146.2 219.2

98 63.3 51.0 76.6





#13

Acrolein

Concen: 375.132 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 134450

Ion Ratio Lower Upper

56 100

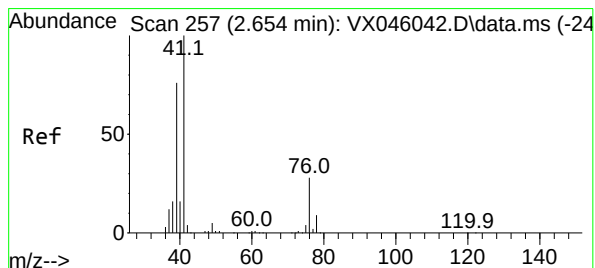
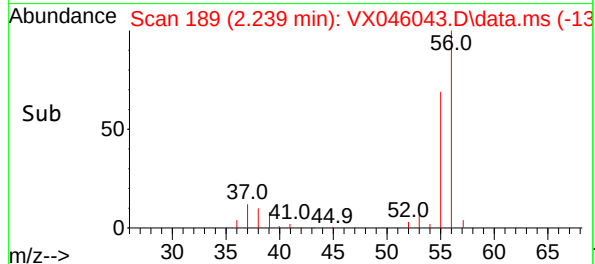
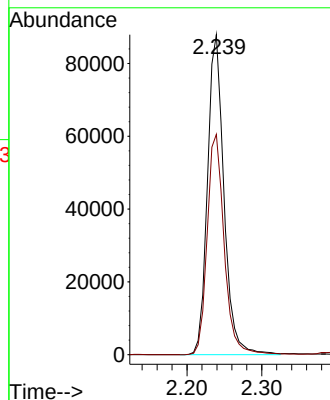
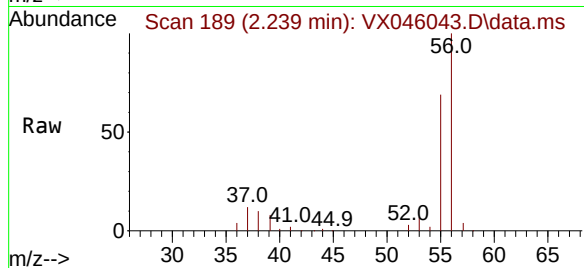
55 71.3 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#14

Allyl chloride

Concen: 74.419 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

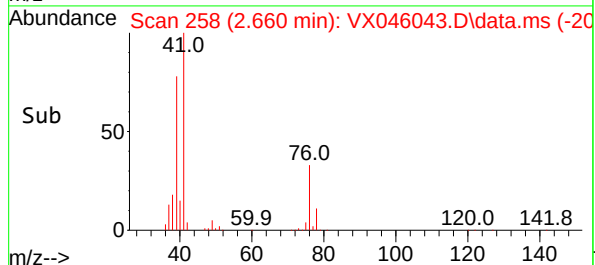
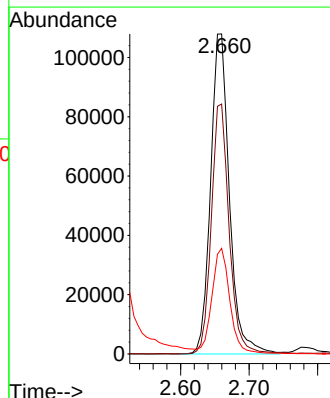
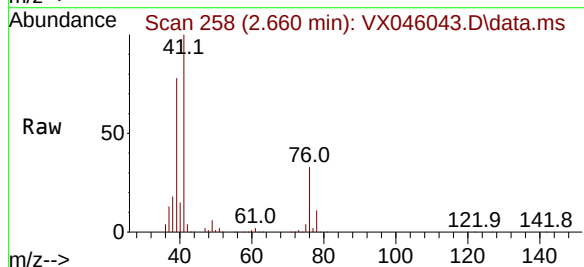
Tgt Ion: 41 Resp: 206519

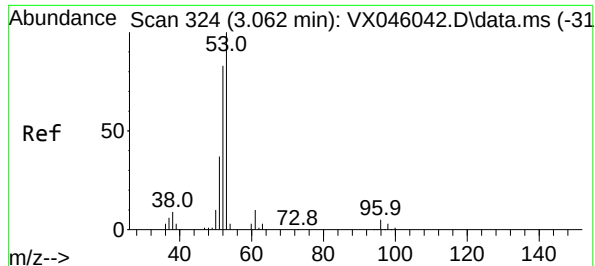
Ion Ratio Lower Upper

41 100

39 73.8 60.6 90.8

76 31.4 24.9 37.3





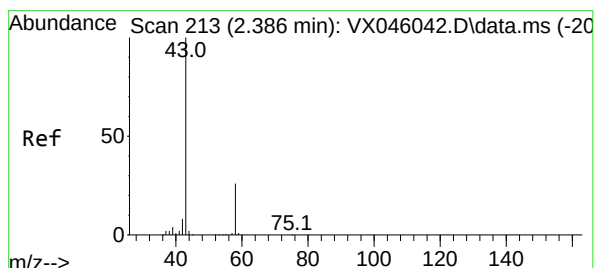
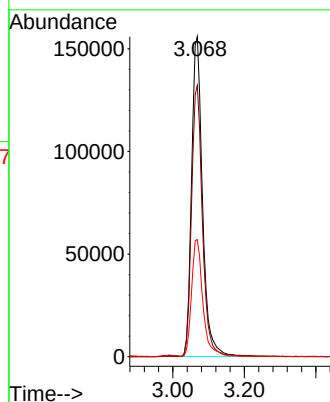
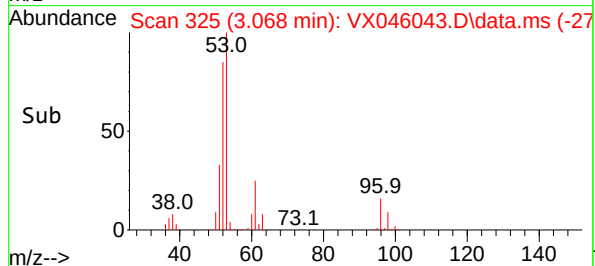
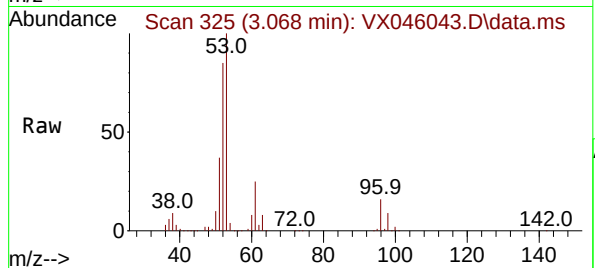
#15
Acrylonitrile
Concen: 358.723 ug/l
RT: 3.068 min Scan# 3114
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 33114
Ion Ratio Lower Upper
53 100
52 84.7 65.3 97.9
51 37.9 29.8 44.8

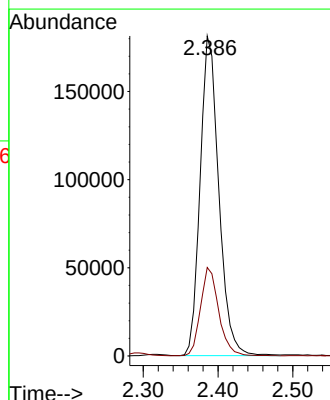
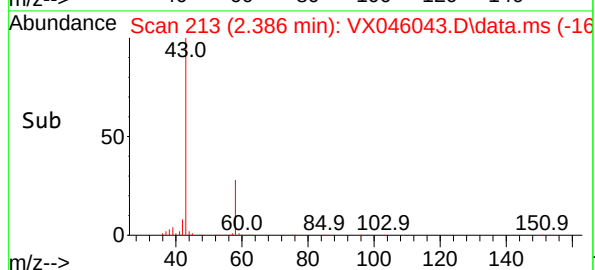
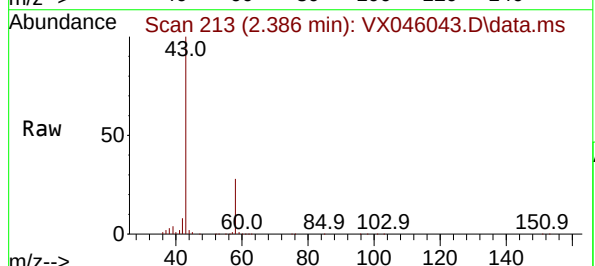
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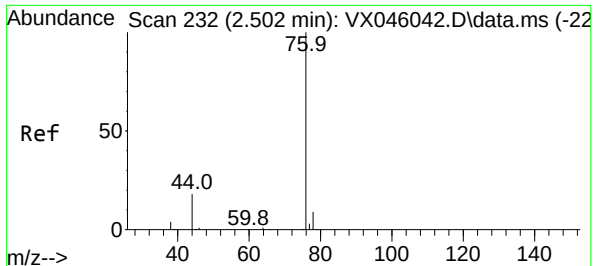
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#16
Acetone
Concen: 354.936 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 314383
Ion Ratio Lower Upper
43 100
58 27.6 21.2 31.8





#17

Carbon Disulfide

Concen: 77.867 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 264950

Ion Ratio Lower Upper

76 100

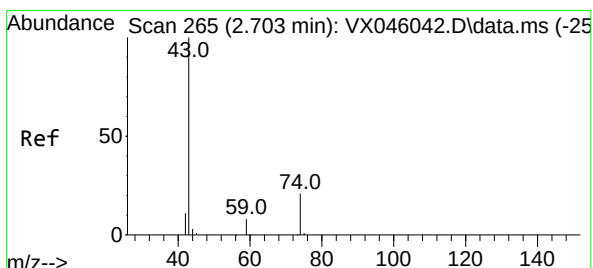
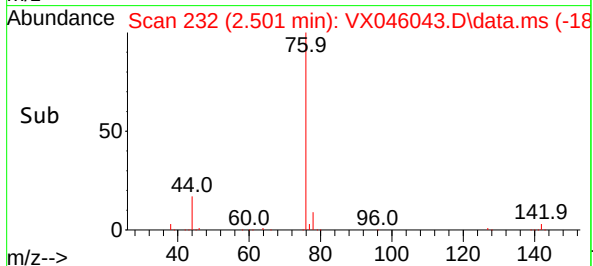
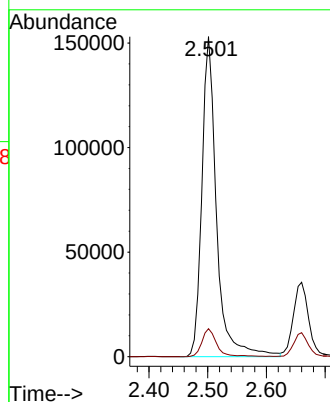
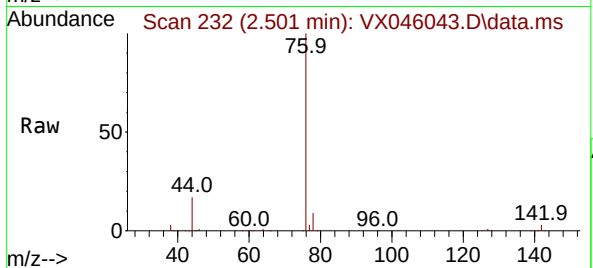
78 8.7 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#18

Methyl Acetate

Concen: 69.531 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX046043.D

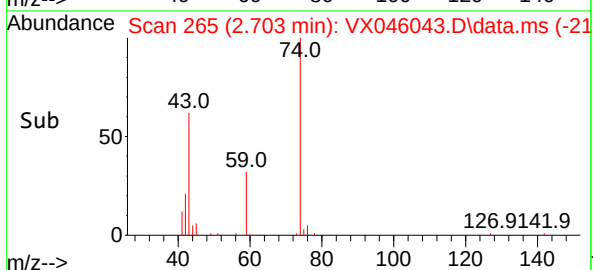
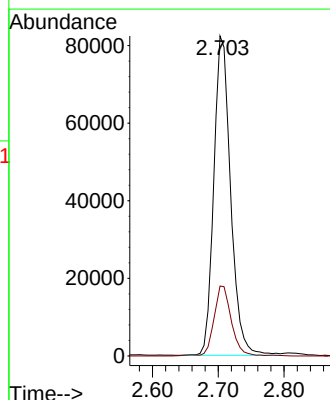
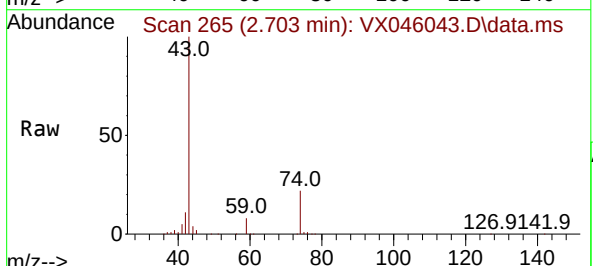
Acq: 05 May 2025 12:21

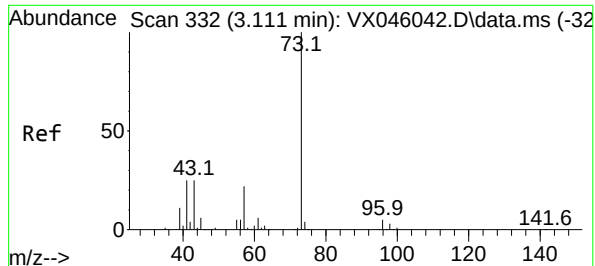
Tgt Ion: 43 Resp: 147014

Ion Ratio Lower Upper

43 100

74 22.6 16.7 25.1





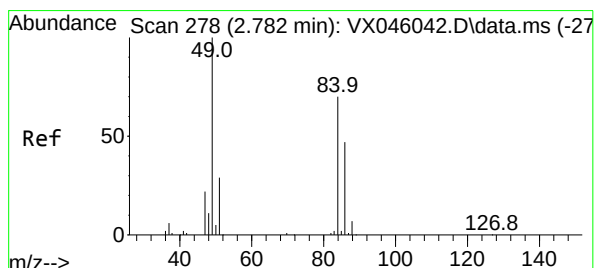
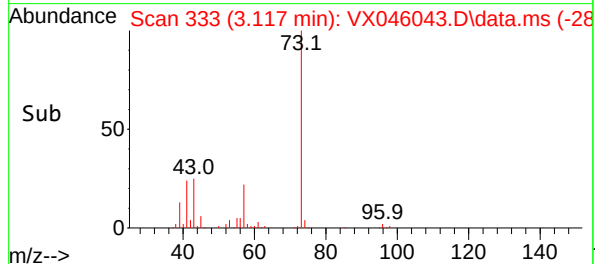
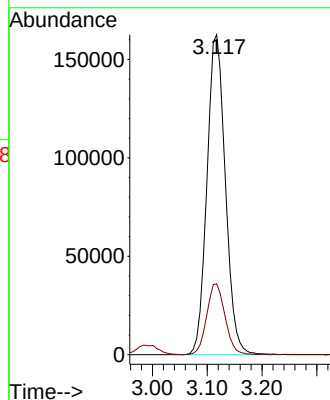
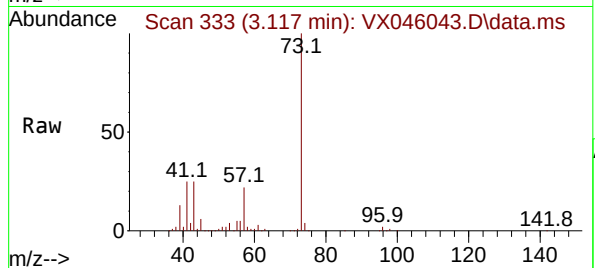
#19
Methyl tert-butyl Ether
Concen: 73.818 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 37811
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5

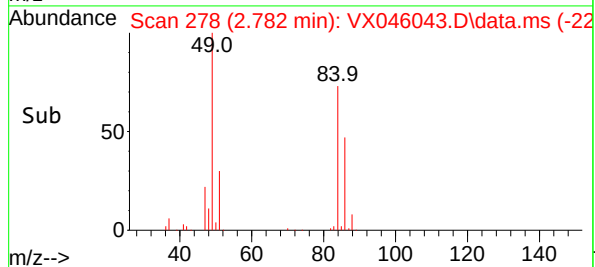
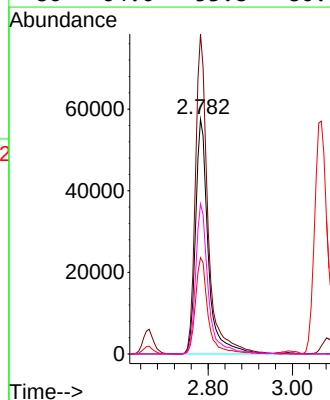
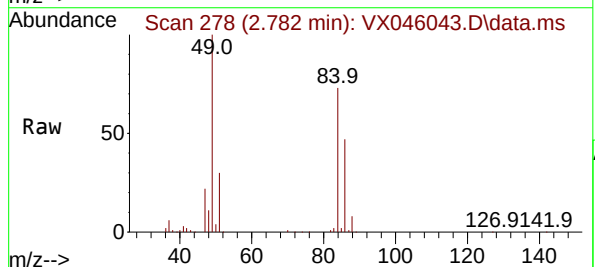
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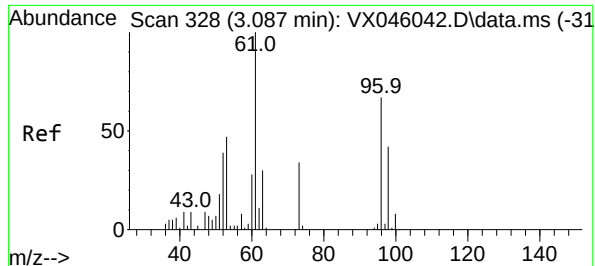
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#20
Methylene Chloride
Concen: 67.030 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

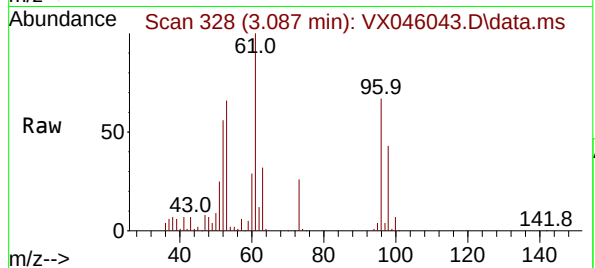
Tgt Ion: 84 Resp: 120270
Ion Ratio Lower Upper
84 100
49 136.4 113.9 170.9
51 41.1 33.5 50.3
86 64.0 53.8 80.8





#21
trans-1,2-Dichloroethene
Concen: 71.109 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

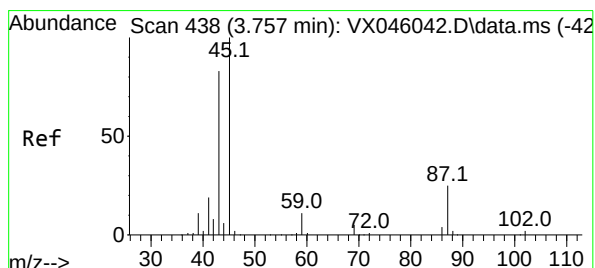
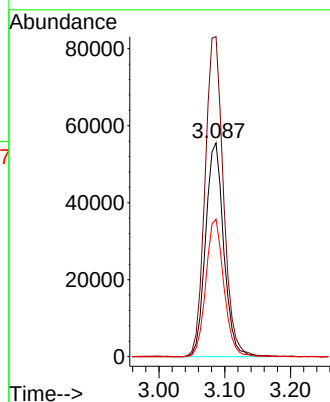
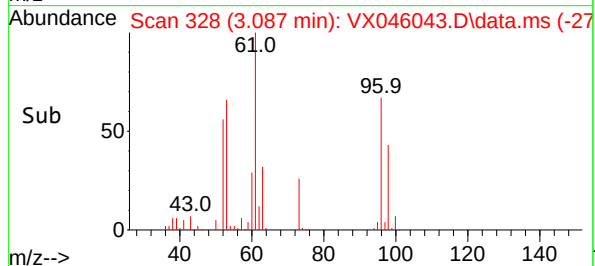
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 106600
Ion Ratio Lower Upper
96 100
61 149.7 119.5 179.3
98 64.4 50.0 75.0

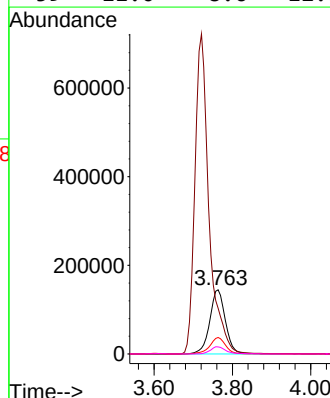
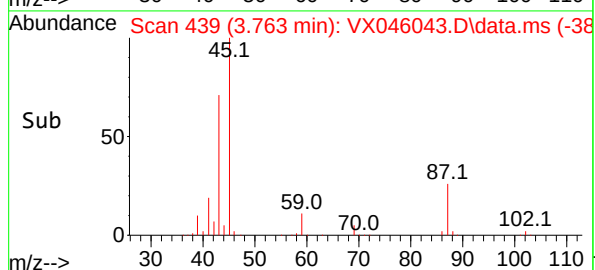
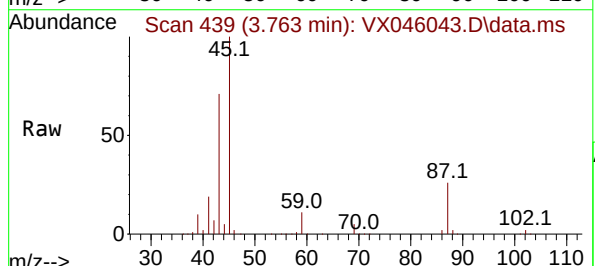
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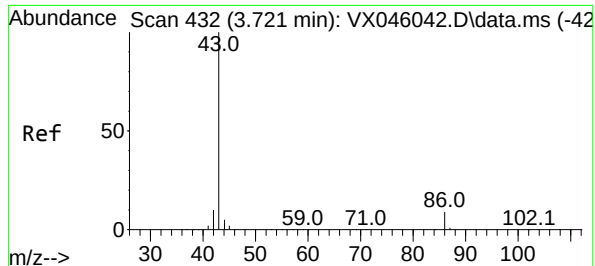
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#22
Diisopropyl ether
Concen: 77.048 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 45 Resp: 399494
Ion Ratio Lower Upper
45 100
43 71.2 66.6 100.0
87 25.7 19.8 29.6
59 11.0 8.6 12.8





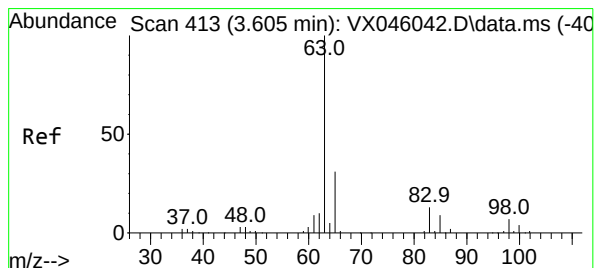
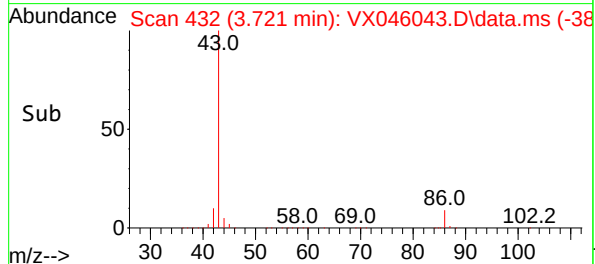
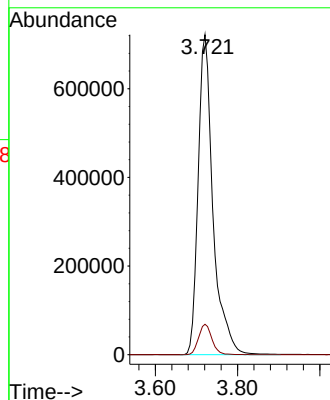
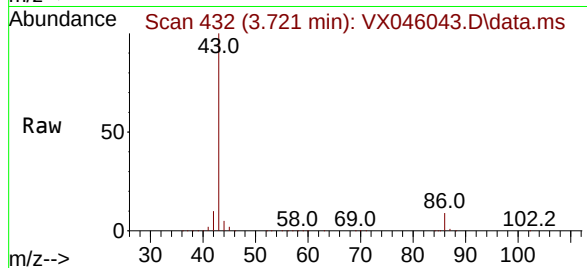
#23
Vinyl Acetate
Concen: 395.363 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1811550
Ion Ratio Lower Upper
43 100
86 9.5 7.5 11.3

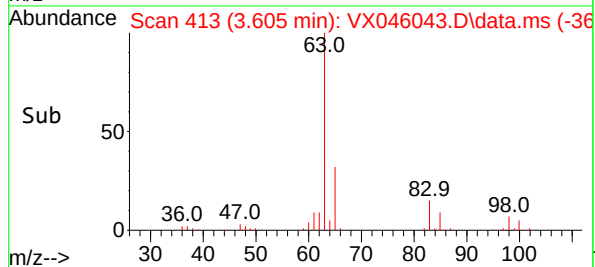
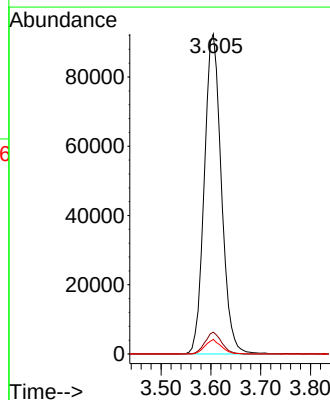
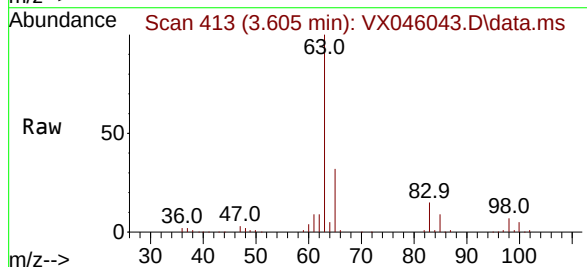
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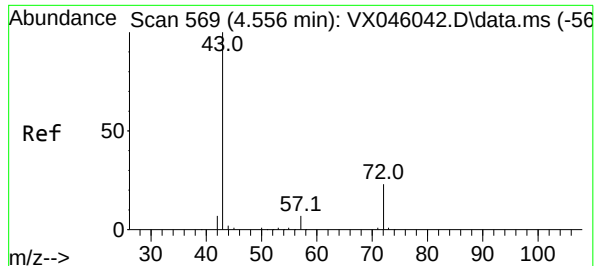
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#24
1,1-Dichloroethane
Concen: 72.114 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 219759
Ion Ratio Lower Upper
63 100
98 6.8 3.6 10.8
100 4.5 2.1 6.3





#25

2-Butanone

Concen: 379.704 ug/l

RT: 4.556 min Scan# 569

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 485448

Ion Ratio Lower Upper

43 100

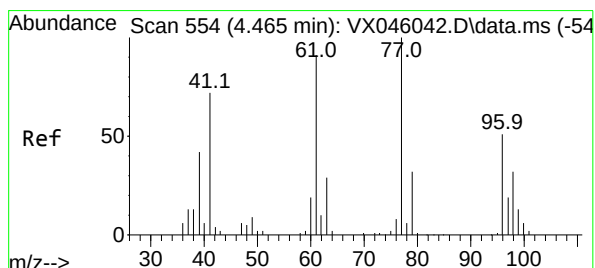
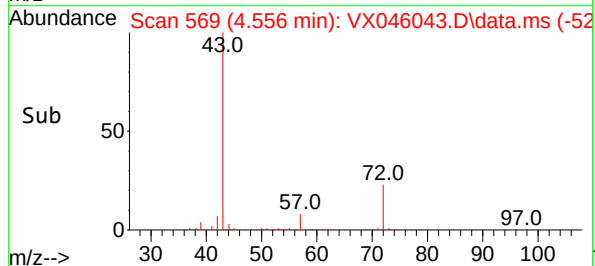
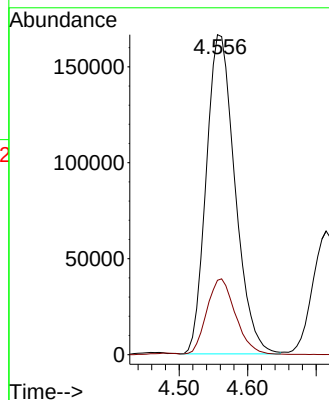
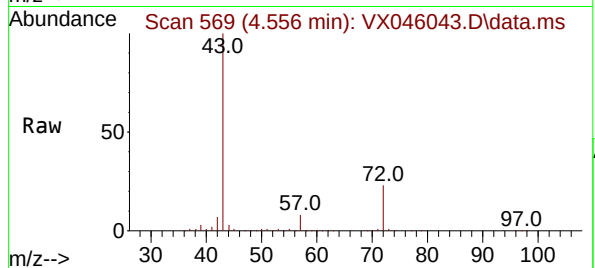
72 23.1 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#26

2,2-Dichloropropane

Concen: 75.621 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX046043.D

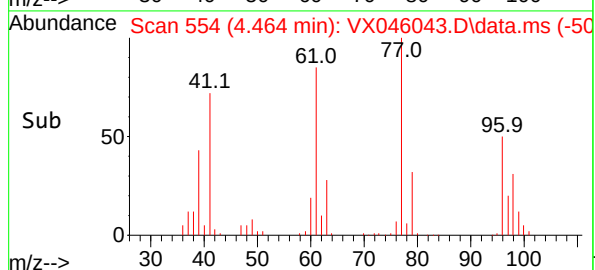
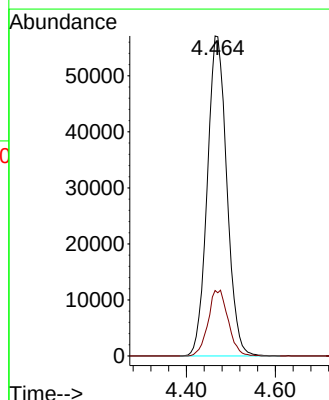
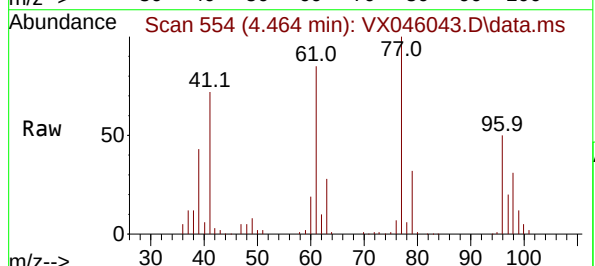
Acq: 05 May 2025 12:21

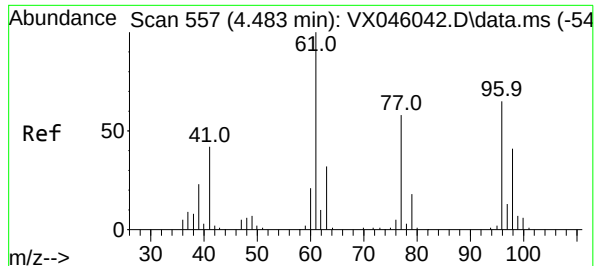
Tgt Ion: 77 Resp: 174579

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 71.056 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 128454

Ion Ratio Lower Upper

96 100

61 160.1 0.0 322.8

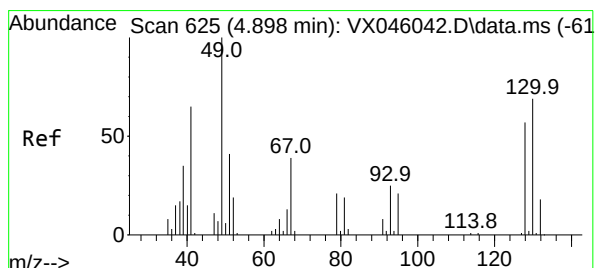
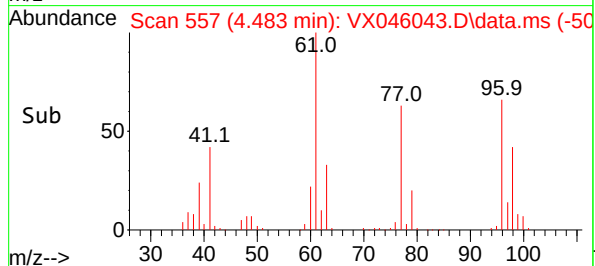
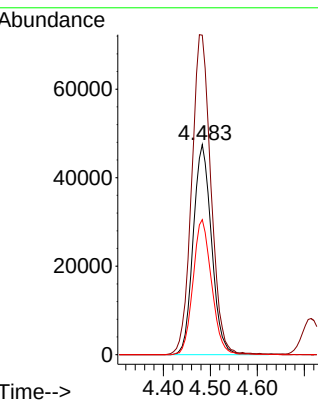
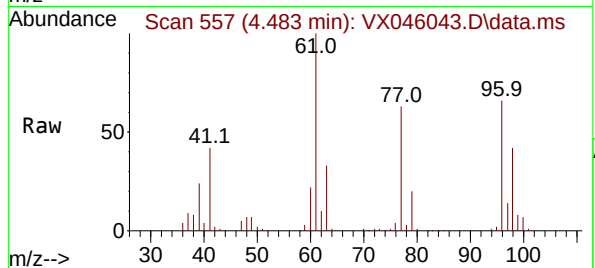
98 64.9 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#28

Bromochloromethane

Concen: 63.932 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

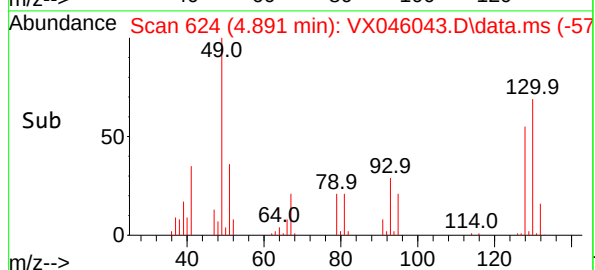
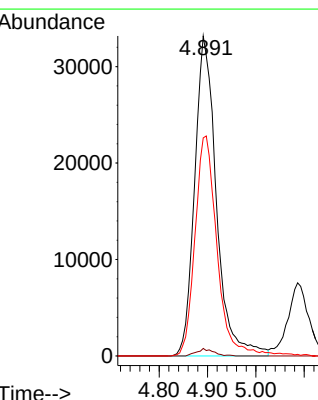
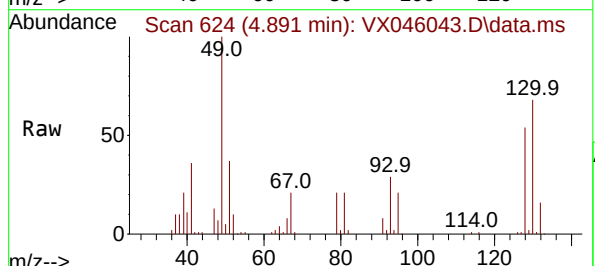
Tgt Ion: 49 Resp: 103602

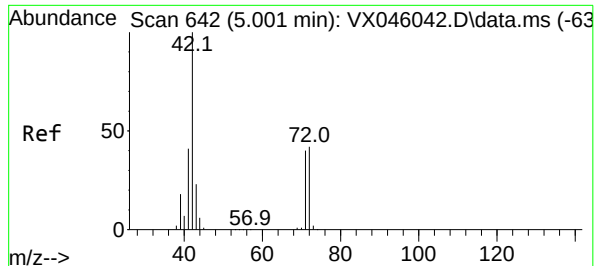
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.0

130 70.1 56.2 84.2





#29

Tetrahydrofuran

Concen: 368.234 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 30575

Ion Ratio Lower Upper

42 100

72 42.1 33.7 50.5

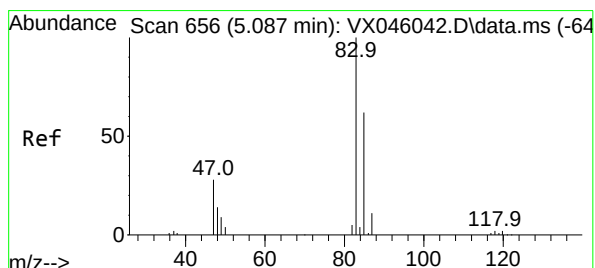
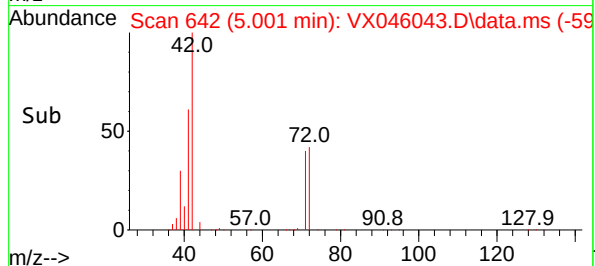
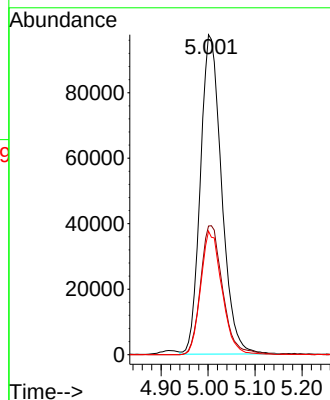
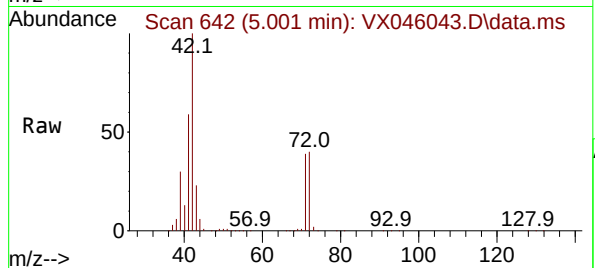
71 38.7 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#30

Chloroform

Concen: 70.180 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX046043.D

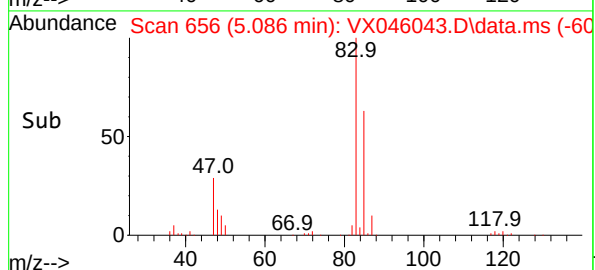
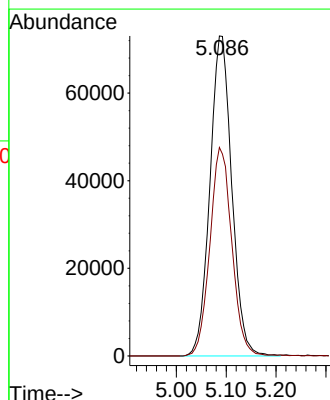
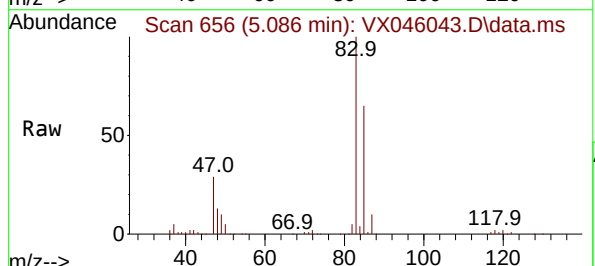
Acq: 05 May 2025 12:21

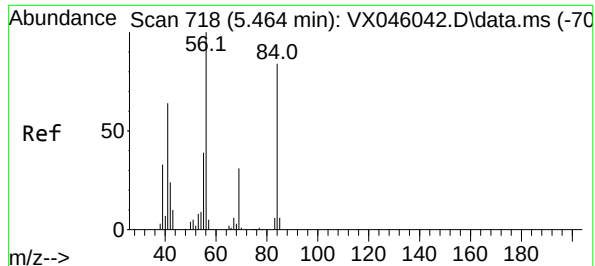
Tgt Ion: 83 Resp: 222253

Ion Ratio Lower Upper

83 100

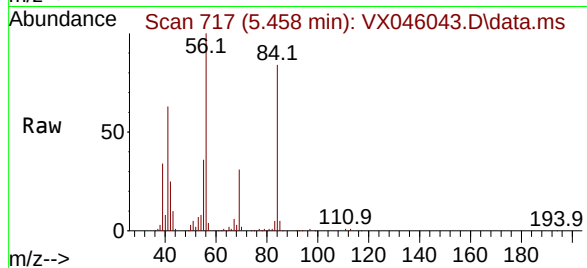
85 65.1 49.3 73.9





#31
Cyclohexane
Concen: 76.428 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

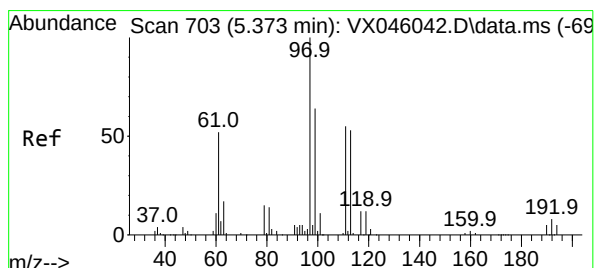
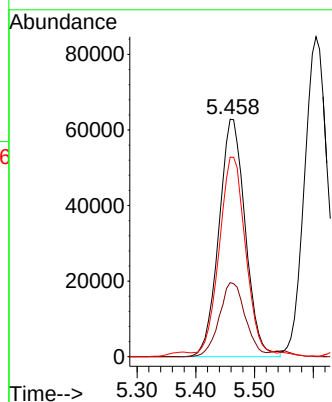
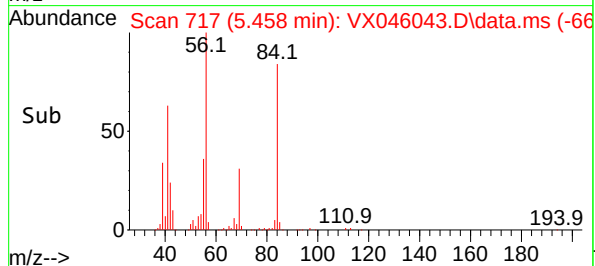
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 56 Resp: 196302
Ion Ratio Lower Upper
56 100
69 31.2 24.4 36.6
84 82.3 66.9 100.3

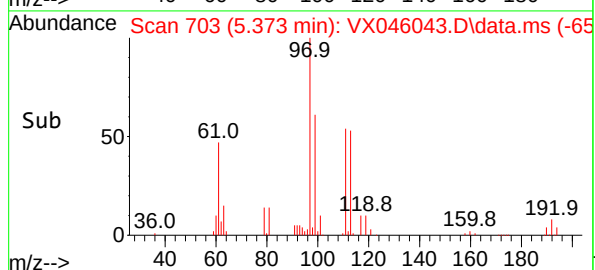
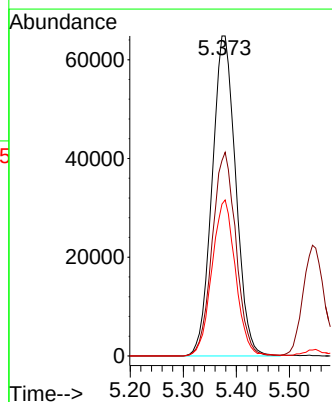
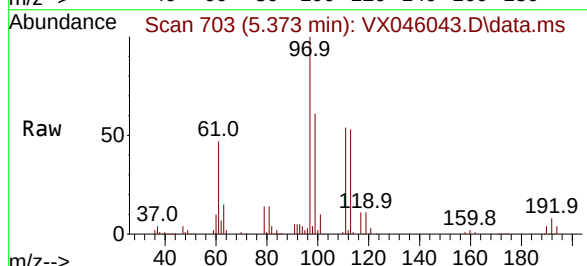
Manual Integrations
APPROVED

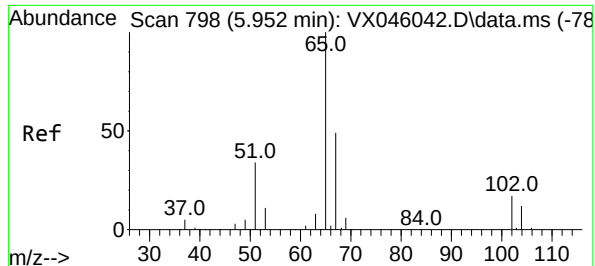
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#32
1,1,1-Trichloroethane
Concen: 73.635 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 97 Resp: 201112
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.6
61 48.7 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 62.526 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 16187

Ion Ratio Lower Upper

65 100

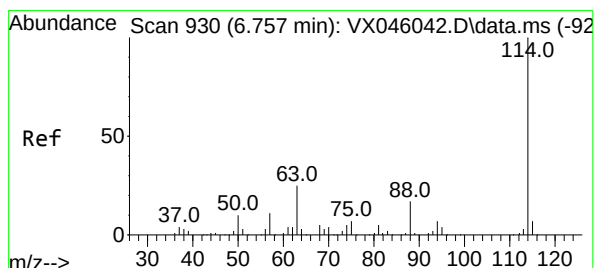
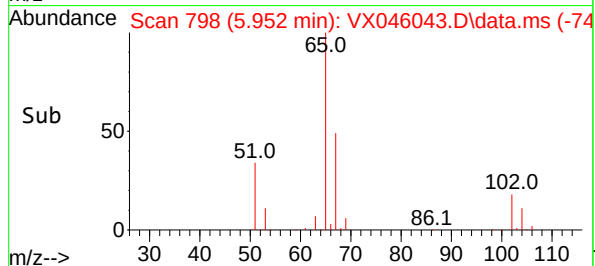
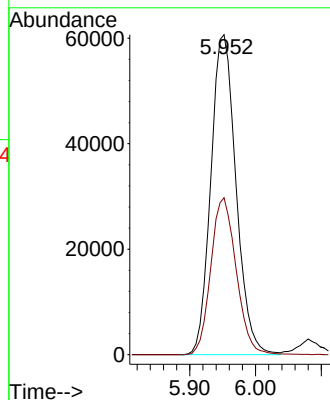
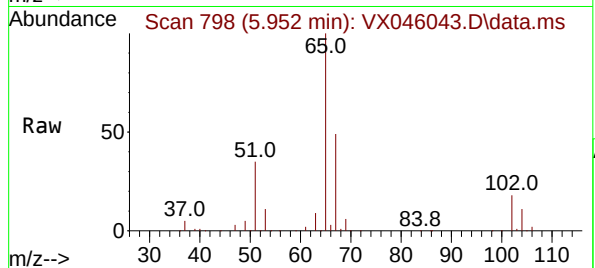
67 49.5 0.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

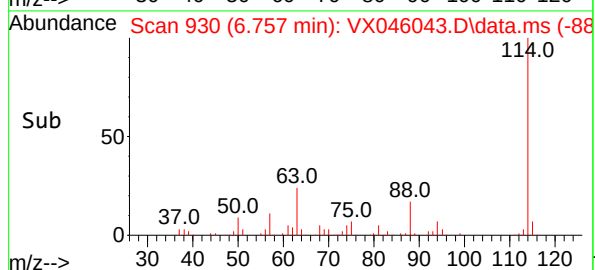
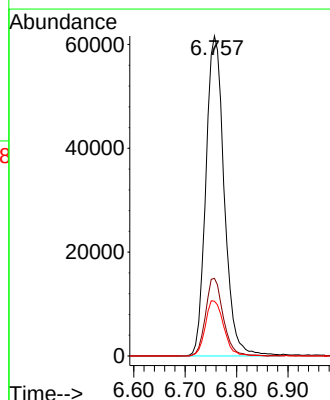
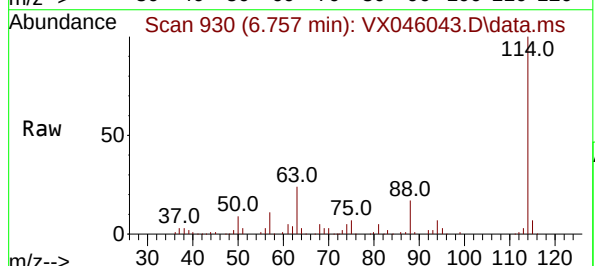
Tgt Ion:114 Resp: 152958

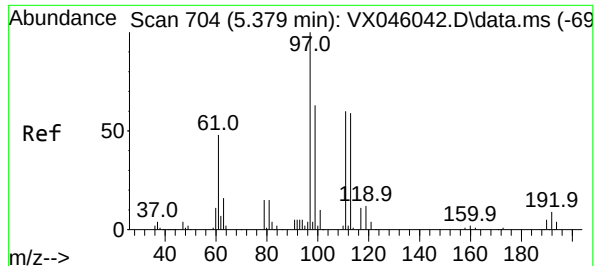
Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.2

88 17.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 65.006 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 11145

Ion Ratio Lower Upper

113 100

111 101.7 83.1 124.7

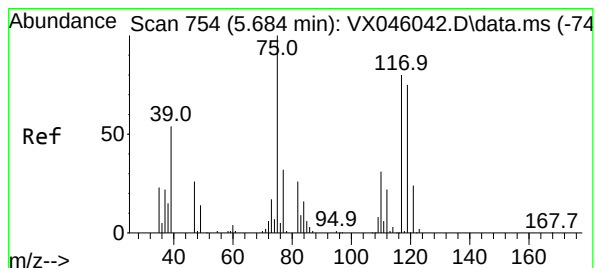
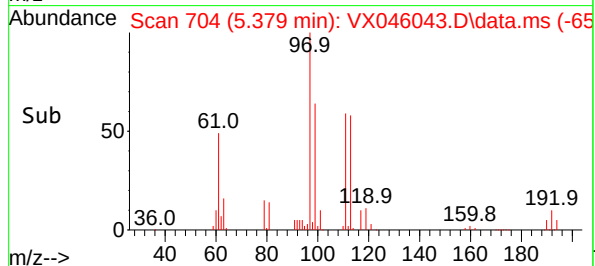
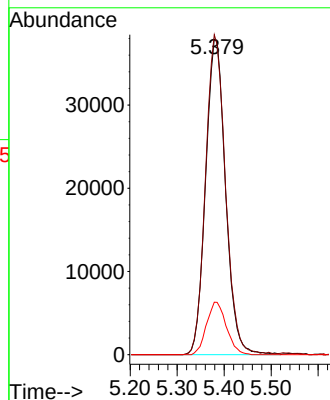
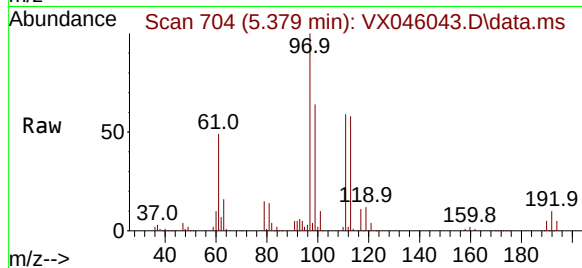
192 16.6 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#36

1,1-Dichloropropene

Concen: 74.285 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.006 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

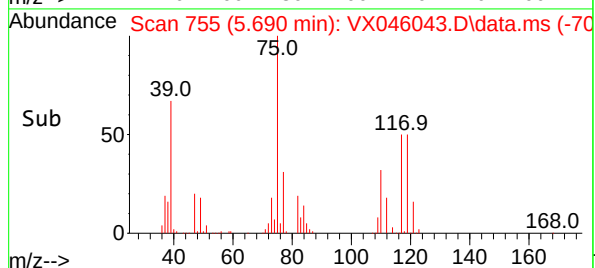
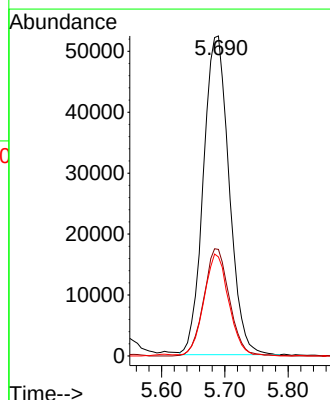
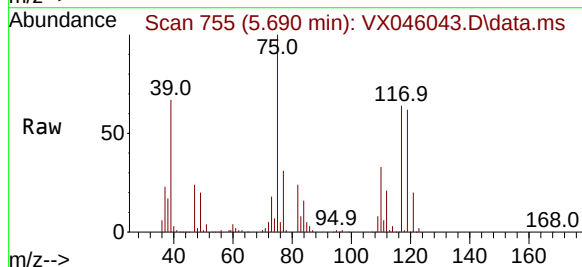
Tgt Ion: 75 Resp: 147873

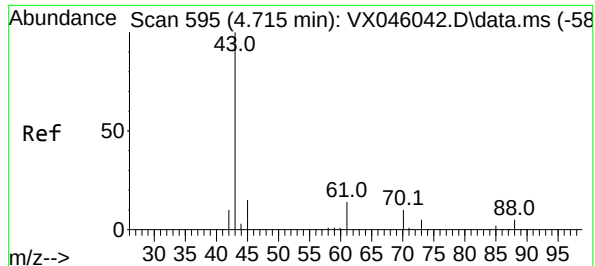
Ion Ratio Lower Upper

75 100

110 33.5 16.3 48.9

77 31.1 24.3 36.5





#37

Ethyl Acetate

Concen: 74.565 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 186215

Ion Ratio Lower Upper

43 100

61 12.4 10.3 15.5

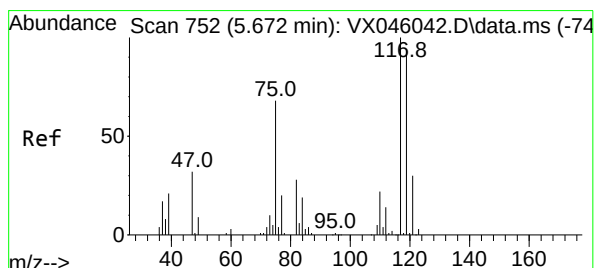
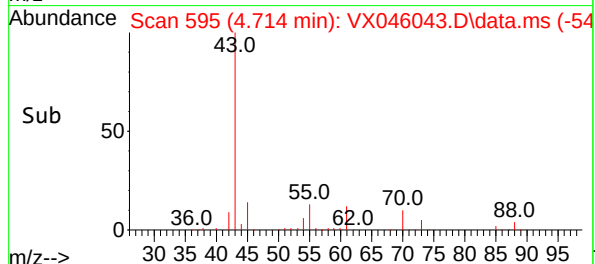
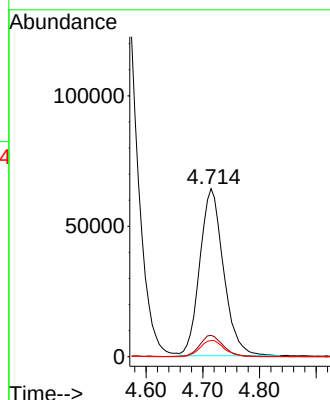
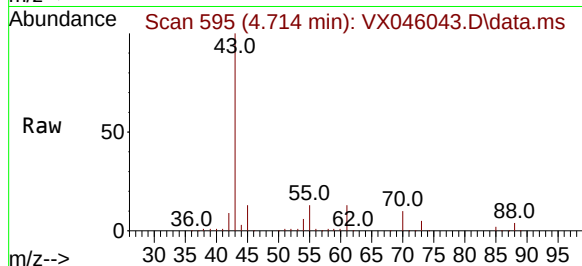
70 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#38

Carbon Tetrachloride

Concen: 73.875 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

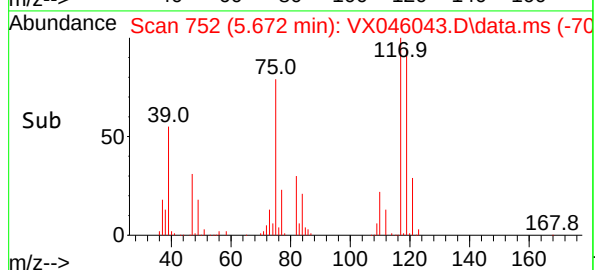
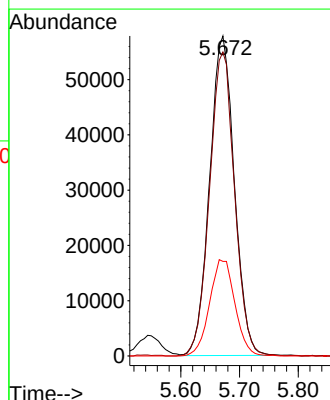
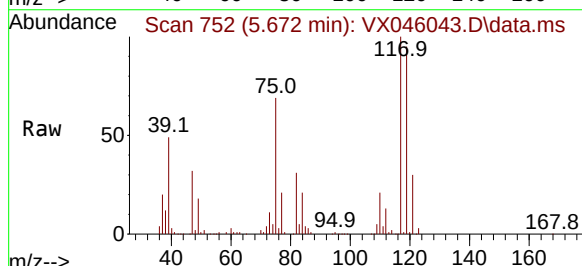
Tgt Ion:117 Resp: 168946

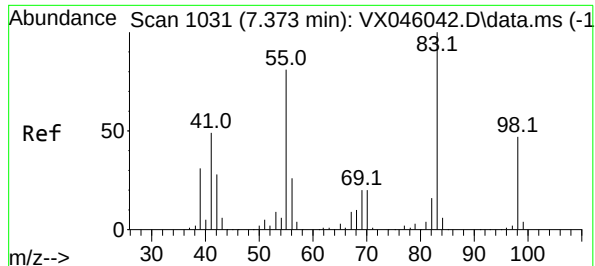
Ion Ratio Lower Upper

117 100

119 95.0 75.2 112.8

121 29.6 24.2 36.4





#39

Methylcyclohexane

Concen: 76.952 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 19194

Ion Ratio Lower Upper

83 100

55 84.2 64.7 97.1

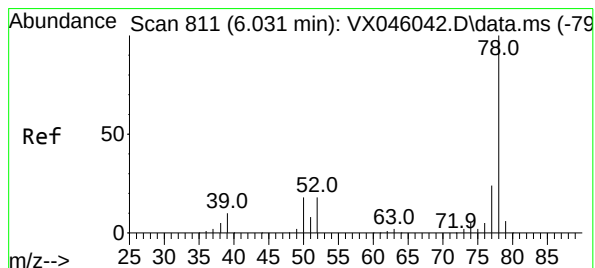
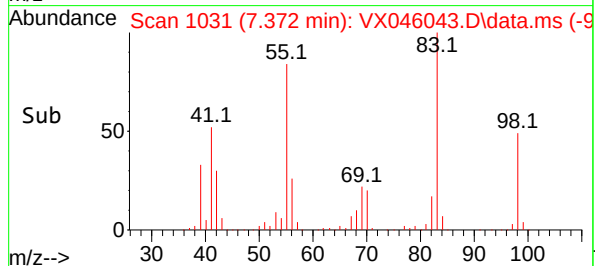
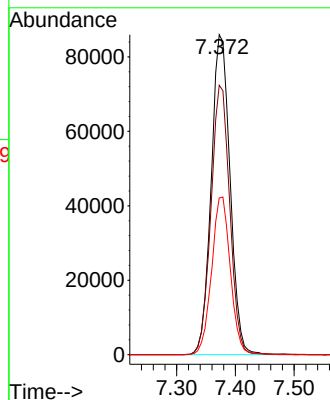
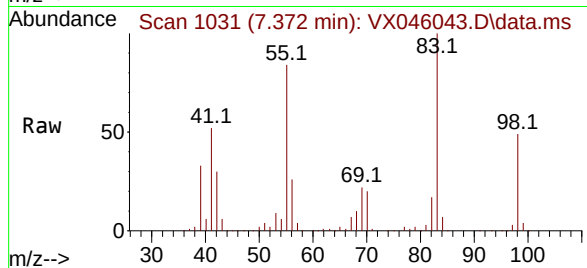
98 49.0 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#40

Benzene

Concen: 71.457 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX046043.D

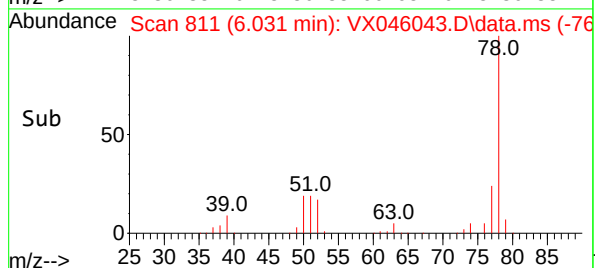
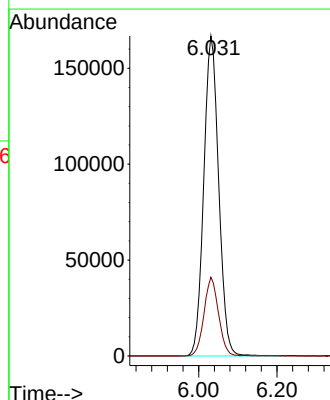
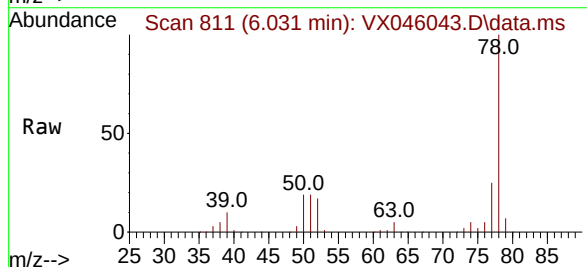
Acq: 05 May 2025 12:21

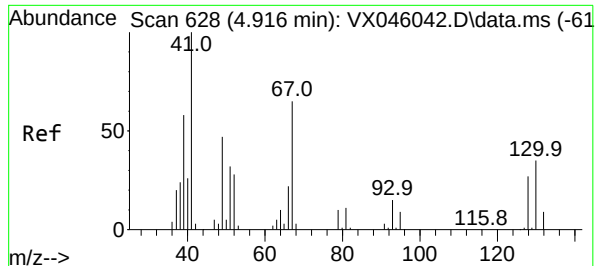
Tgt Ion: 78 Resp: 440885

Ion Ratio Lower Upper

78 100

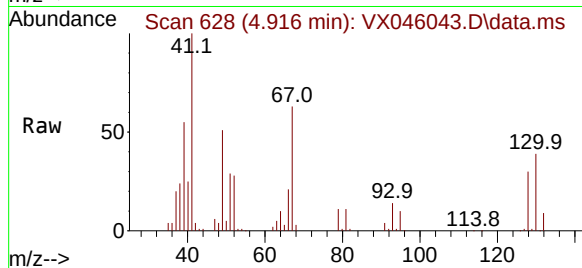
77 24.6 19.0 28.4





#41
Methacrylonitrile
Concen: 75.574 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

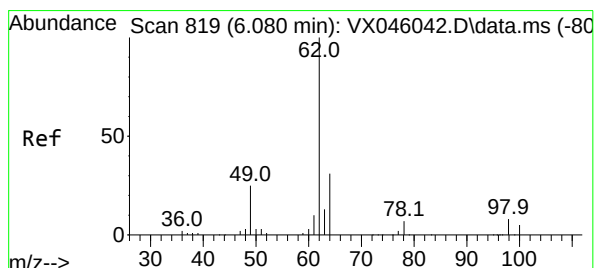
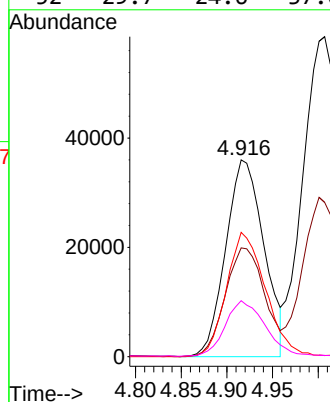
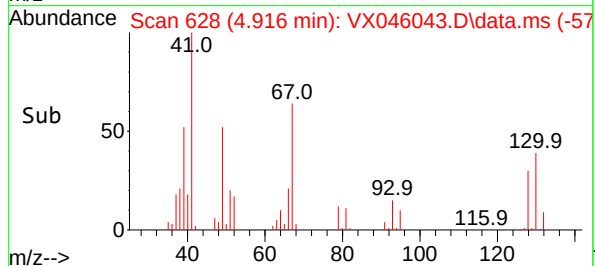
Instrument :
MSVOA_X
Client Sample Id :
VSTDIC100



Tgt Ion: 41 Resp: 10486
Ion Ratio Lower Upper
41 100
39 57.0 47.2 70.8
67 64.6 50.7 76.1
52 29.7 24.6 37.0

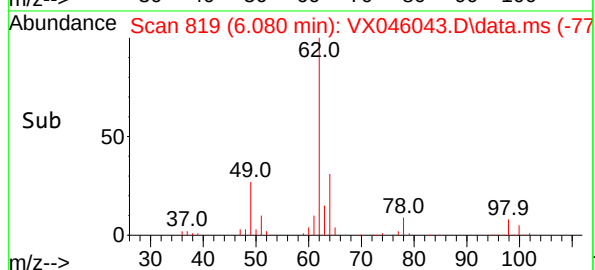
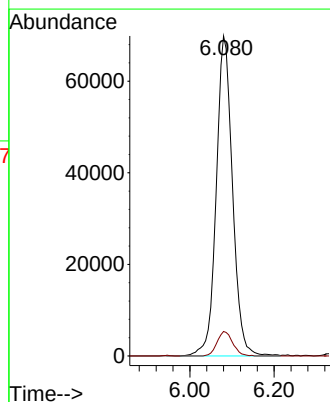
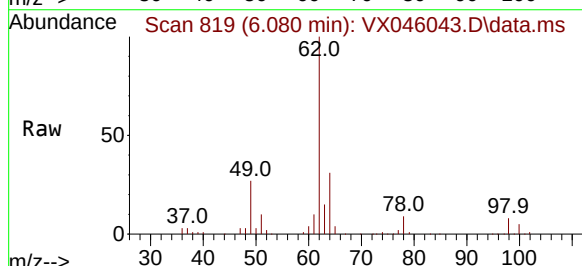
Manual Integrations
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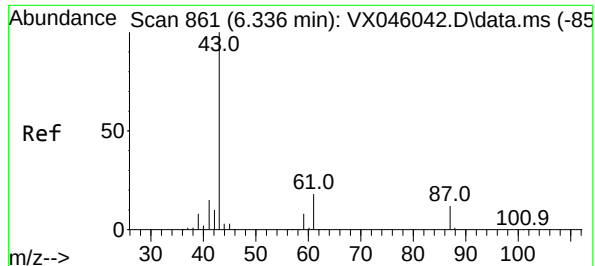
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#42
1,2-Dichloroethane
Concen: 73.318 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 187036
Ion Ratio Lower Upper
62 100
98 7.4 0.0 15.2





#43

Isopropyl Acetate

Concen: 78.714 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 30049

Ion Ratio Lower Upper

43 100

61 18.0 14.3 21.5

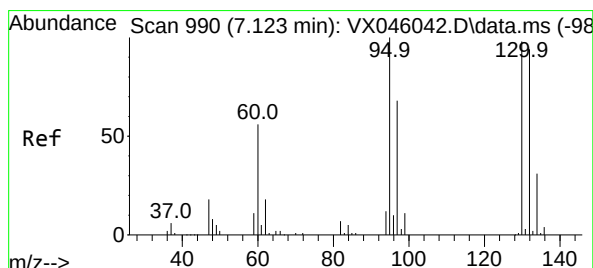
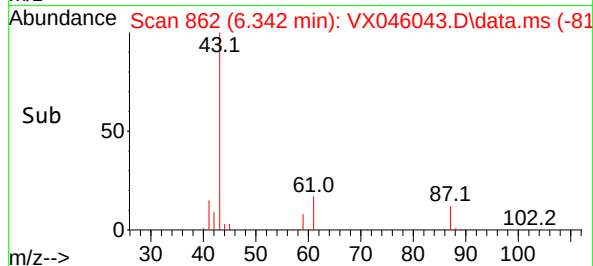
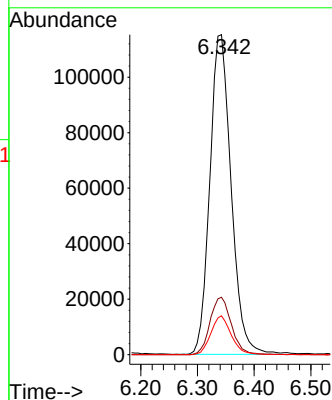
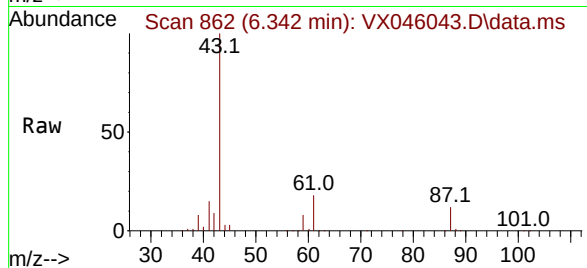
87 11.6 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#44

Trichloroethene

Concen: 72.420 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX046043.D

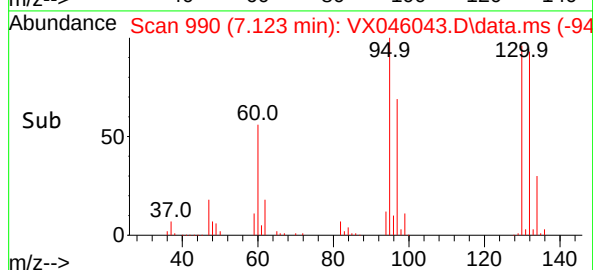
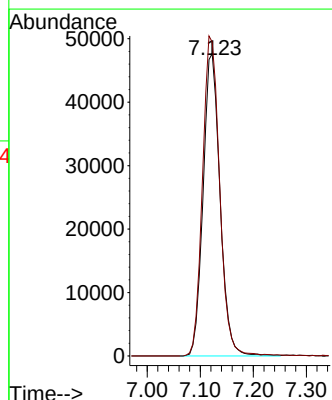
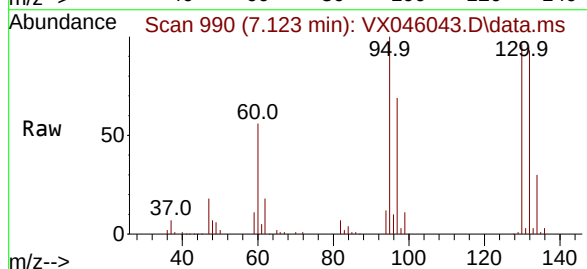
Acq: 05 May 2025 12:21

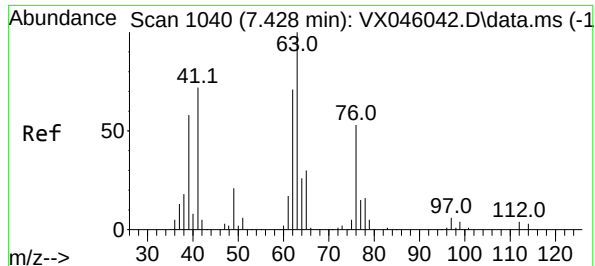
Tgt Ion:130 Resp: 105628

Ion Ratio Lower Upper

130 100

95 103.8 0.0 204.2





#45

1,2-Dichloropropane

Concen: 73.420 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 63 Resp: 112554

Ion Ratio Lower Upper

63 100

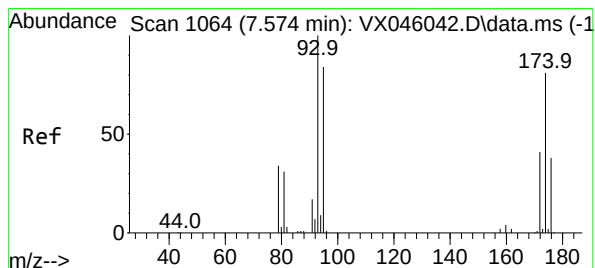
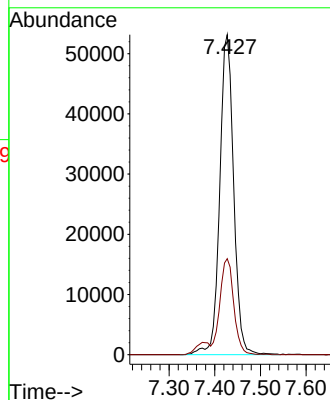
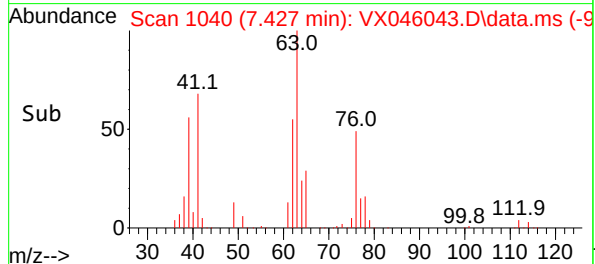
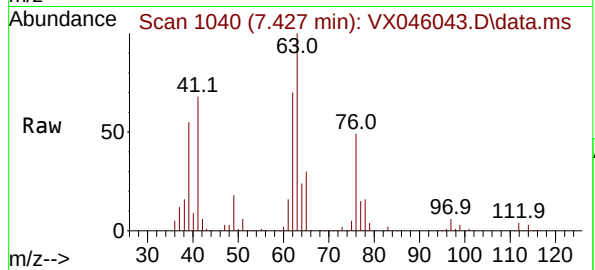
65 30.0 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#46

Dibromomethane

Concen: 70.938 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

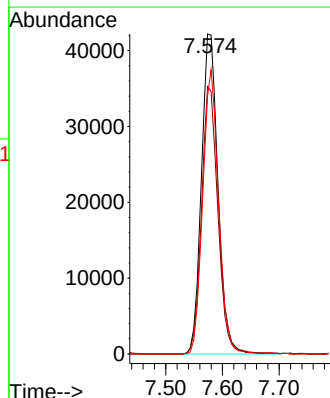
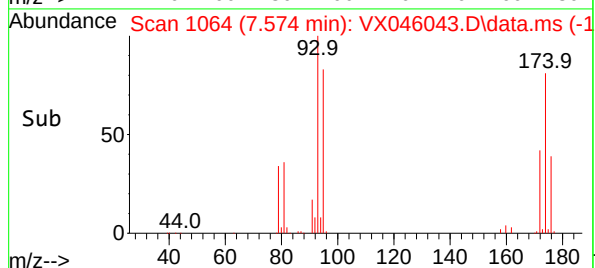
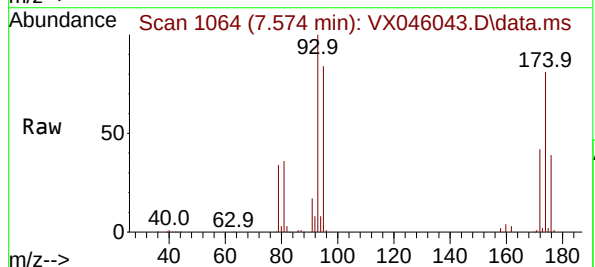
Tgt Ion: 93 Resp: 85728

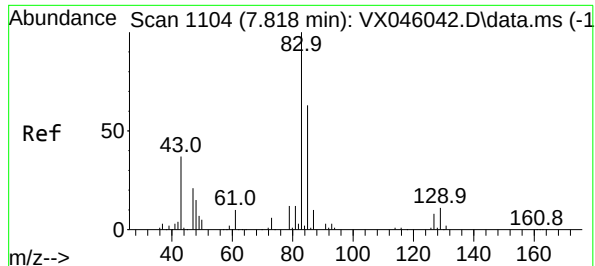
Ion Ratio Lower Upper

93 100

95 82.4 65.6 98.4

174 85.0 68.2 102.2





#47

Bromodichloromethane

Concen: 74.845 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 17530

Ion Ratio Lower Upper

83 100

85 63.6 50.5 75.7

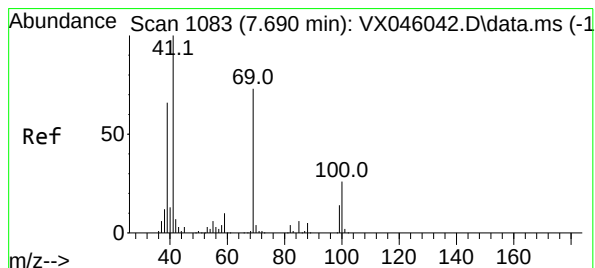
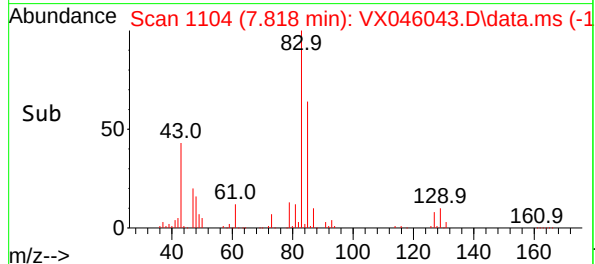
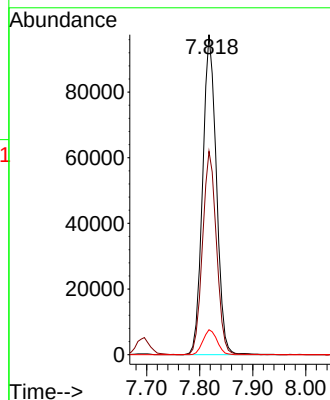
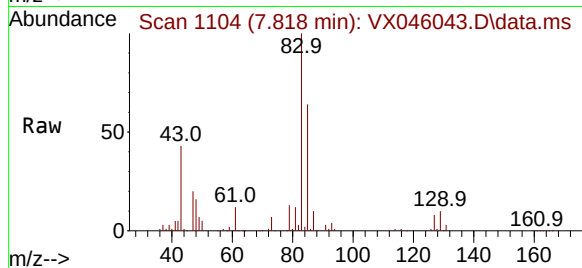
127 7.8 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#48

Methyl methacrylate

Concen: 78.101 ug/l

RT: 7.689 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

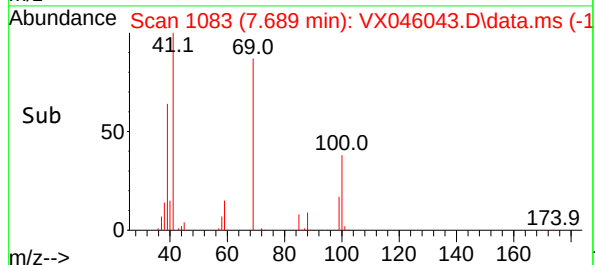
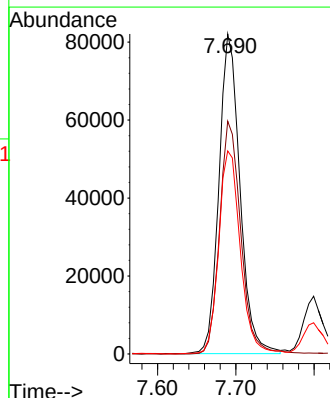
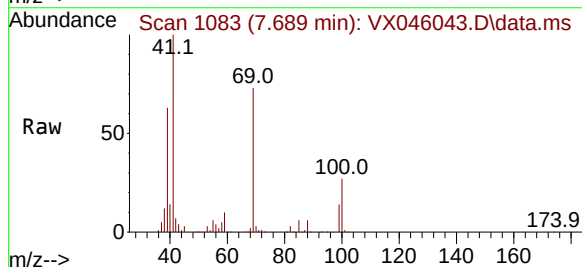
Tgt Ion: 41 Resp: 153093

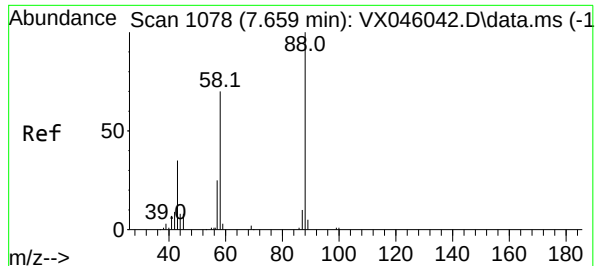
Ion Ratio Lower Upper

41 100

69 74.1 58.5 87.7

39 65.5 51.7 77.5





#49

1,4-Dioxane

Concen: 1470.687 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 88 Resp: 5731

Ion Ratio Lower Upper

88 100

43 40.1 33.4 50.2

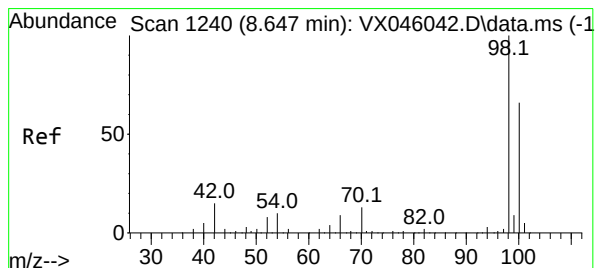
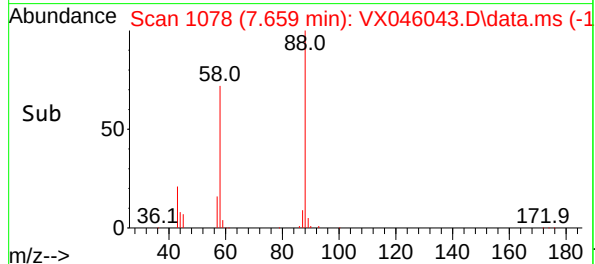
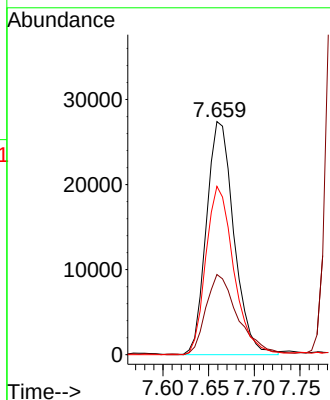
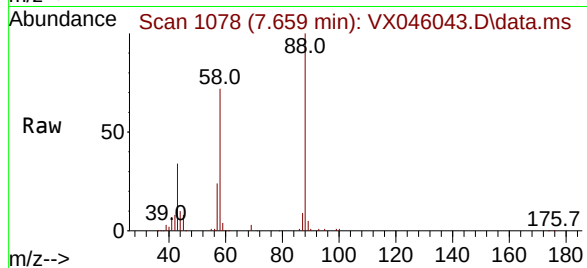
58 73.3 58.6 88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#50

Toluene-d8

Concen: 67.031 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046043.D

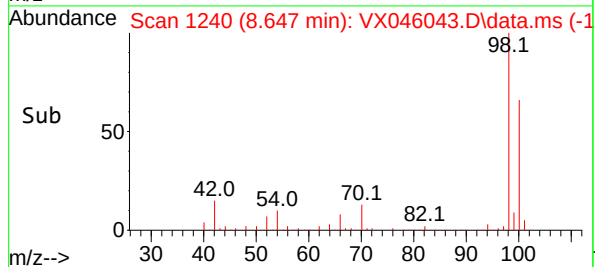
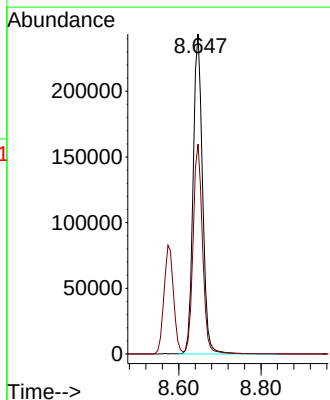
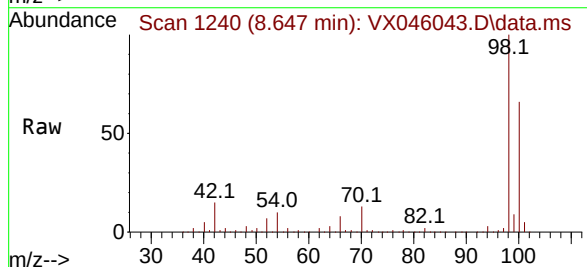
Acq: 05 May 2025 12:21

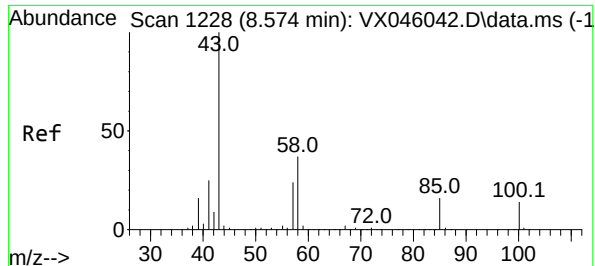
Tgt Ion: 98 Resp: 387230

Ion Ratio Lower Upper

98 100

100 65.2 53.5 80.3





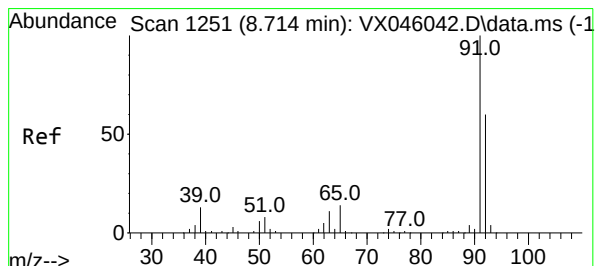
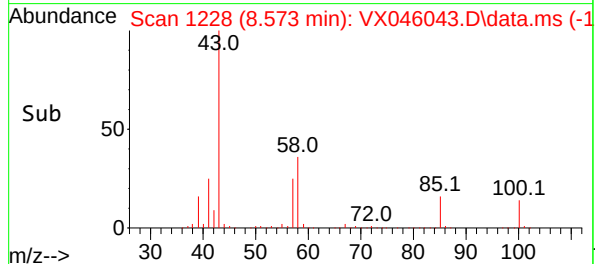
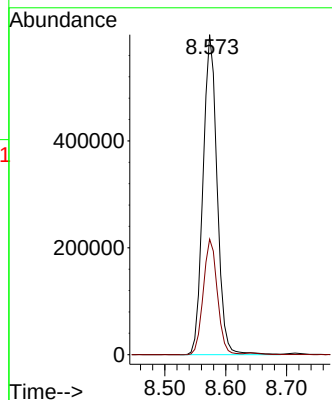
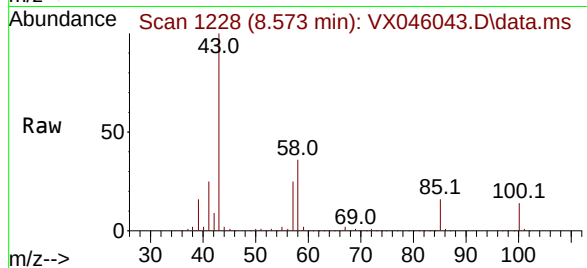
#51
4-Methyl-2-Pentanone
Concen: 384.740 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 963319
Ion Ratio Lower Upper
43 100
58 36.1 28.9 43.3

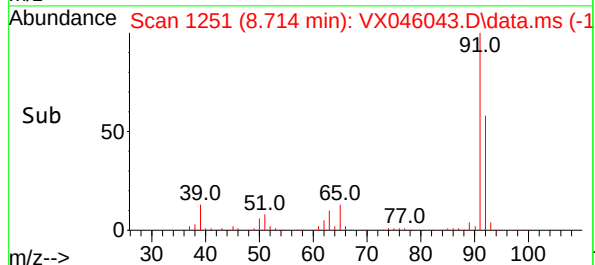
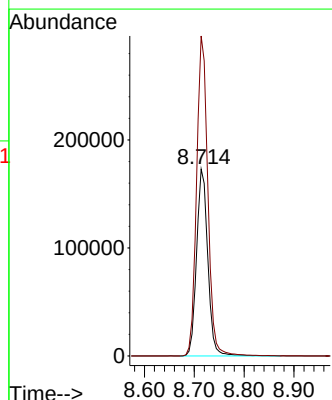
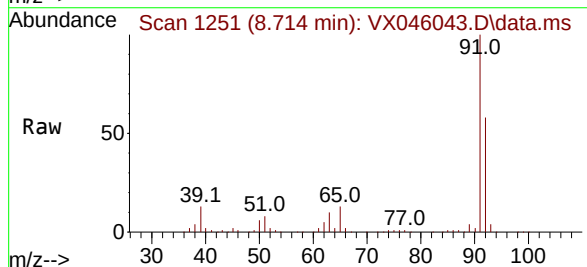
Manual Integrations
APPROVED

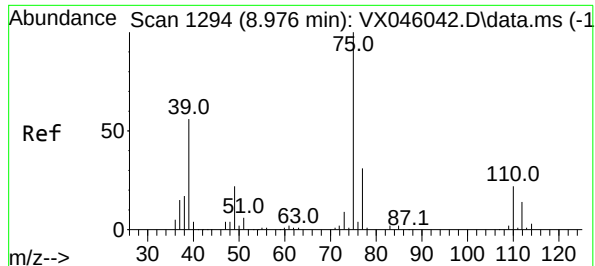
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#52
Toluene
Concen: 74.010 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 92 Resp: 270763
Ion Ratio Lower Upper
92 100
91 171.2 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 86.372 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 16986

Ion Ratio Lower Upper

75 100

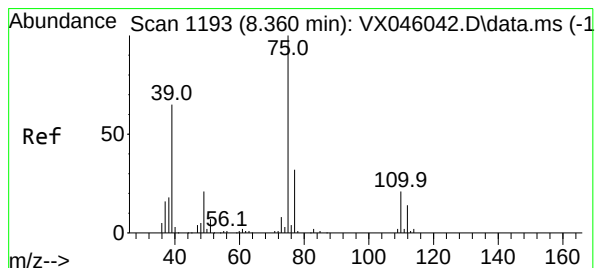
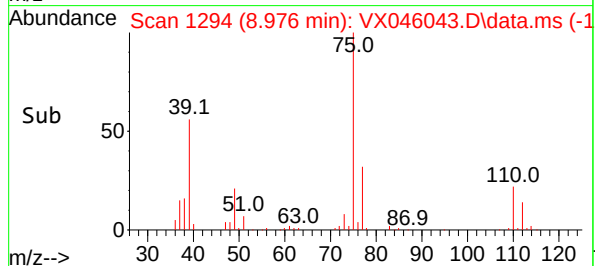
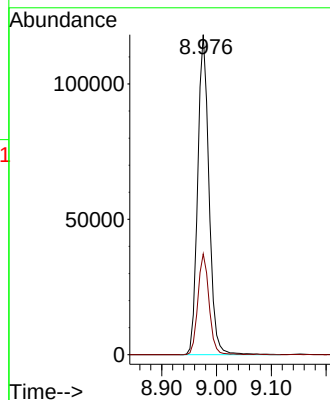
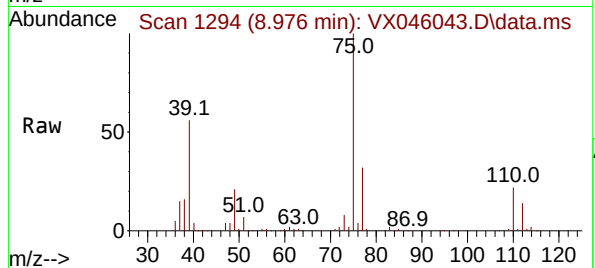
77 31.5 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#54

cis-1,3-Dichloropropene

Concen: 80.264 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

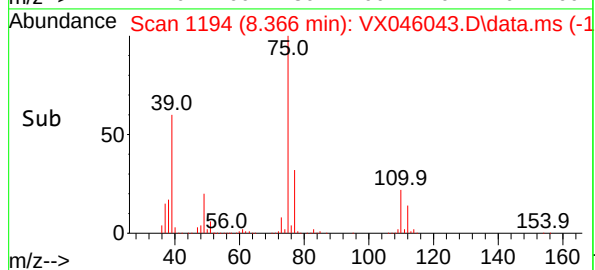
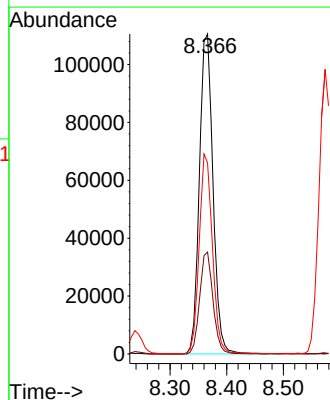
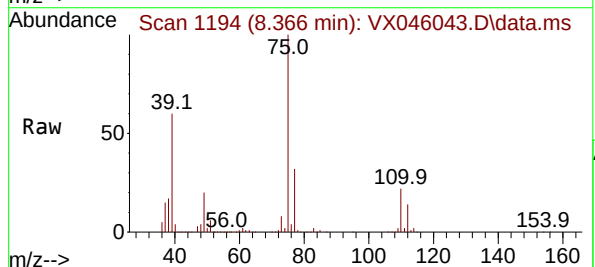
Tgt Ion: 75 Resp: 184134

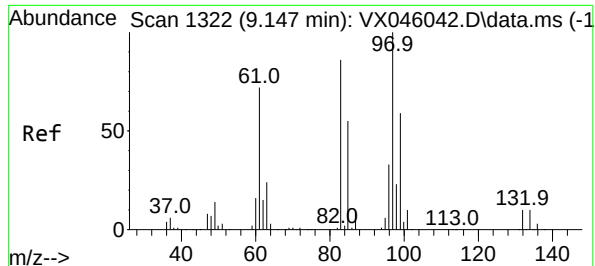
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 59.6 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 72.543 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 107264

Ion Ratio Lower Upper

97 100

83 86.8 69.0 103.6

85 56.4 44.3 66.5

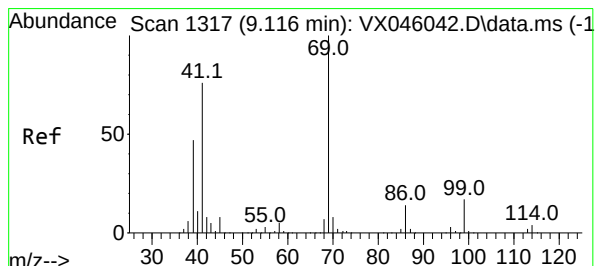
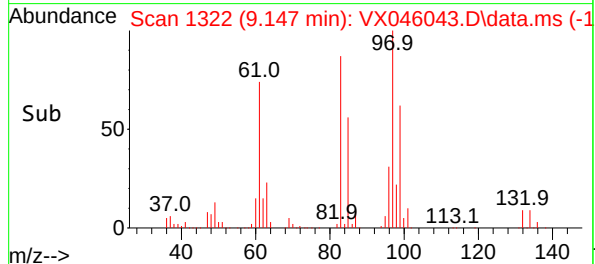
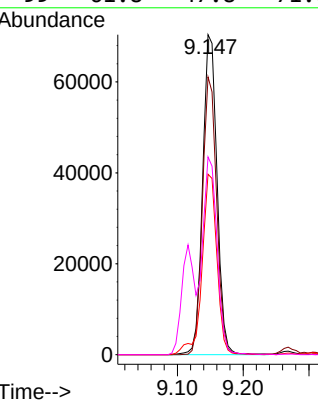
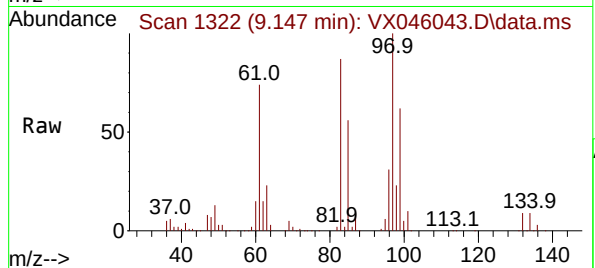
99 61.8 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#56

Ethyl methacrylate

Concen: 82.359 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

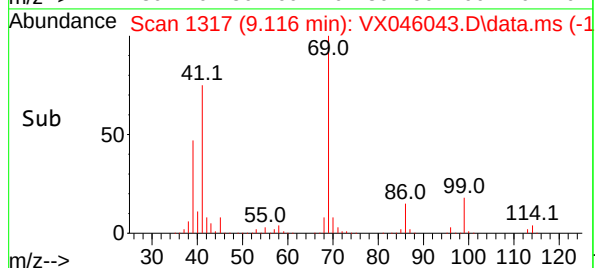
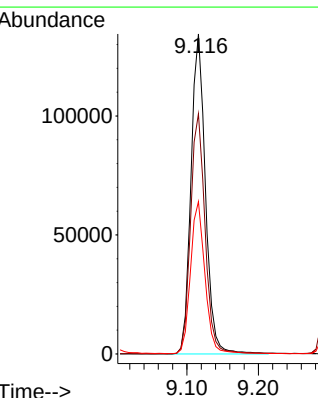
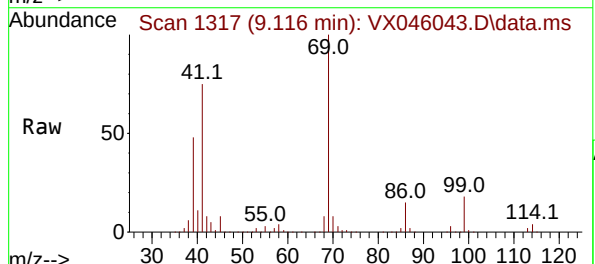
Tgt Ion: 69 Resp: 188717

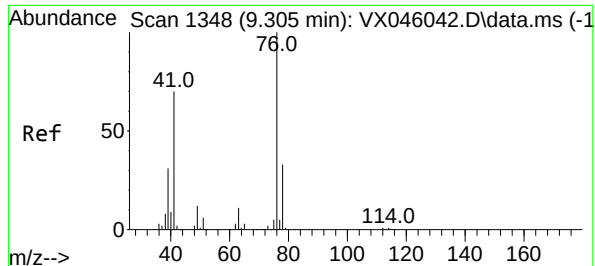
Ion Ratio Lower Upper

69 100

41 75.7 60.8 91.2

39 47.7 39.0 58.6





#57

1,3-Dichloropropane

Concen: 71.590 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 187649

Ion Ratio Lower Upper

76 100

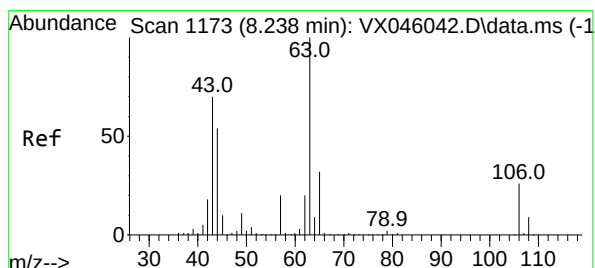
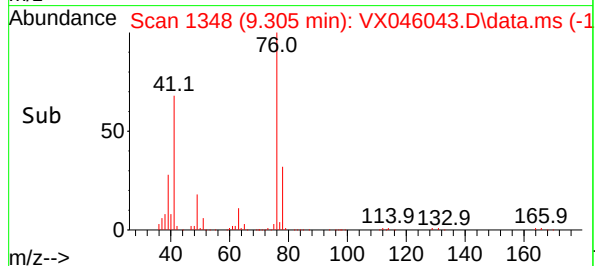
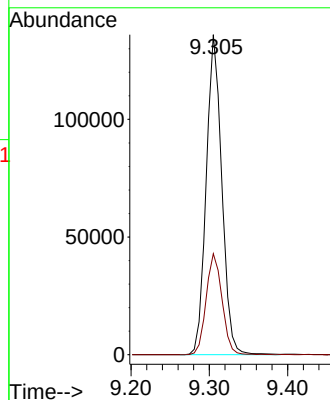
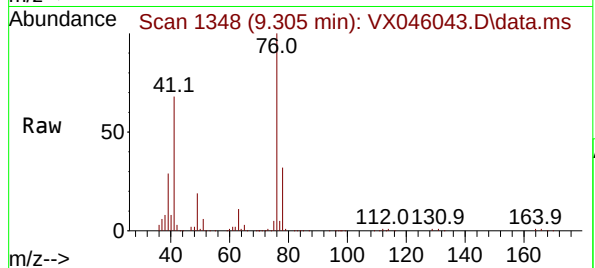
78 32.1 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#58

2-Chloroethyl Vinyl ether

Concen: 449.791 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX046043.D

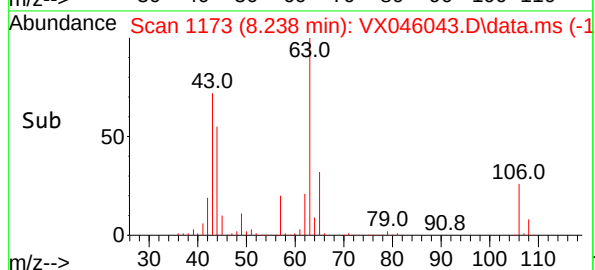
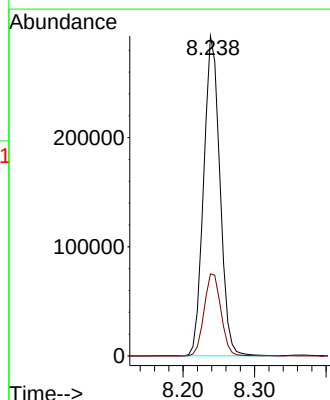
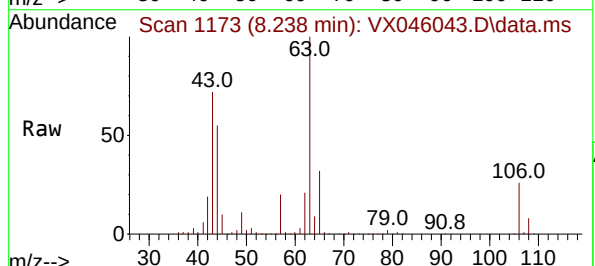
Acq: 05 May 2025 12:21

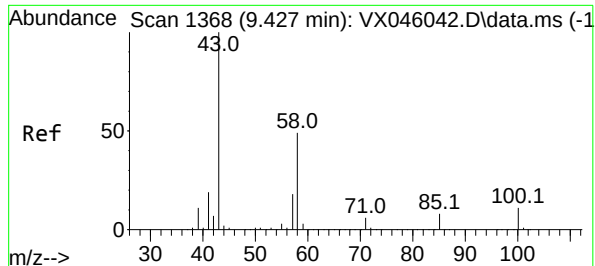
Tgt Ion: 63 Resp: 463169

Ion Ratio Lower Upper

63 100

106 26.7 21.5 32.3





#59

2-Hexanone

Concen: 383.945 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 729602

Ion Ratio Lower Upper

43 100

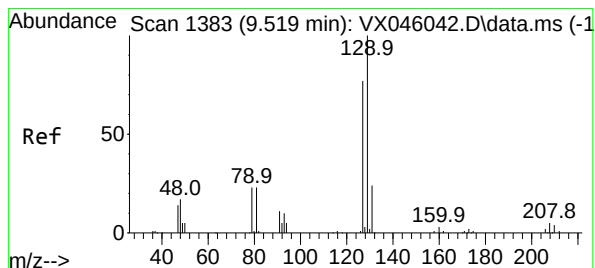
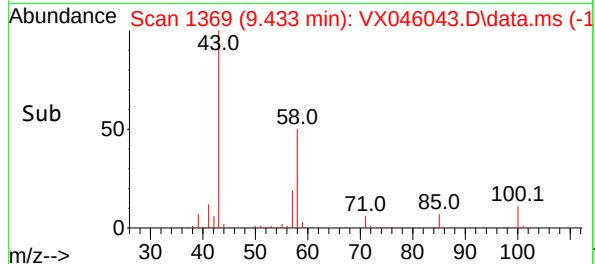
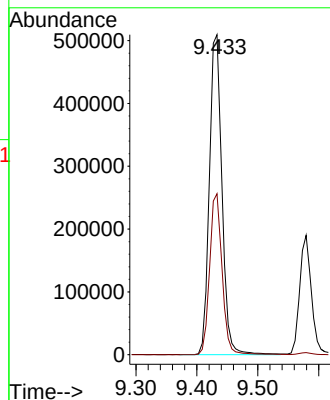
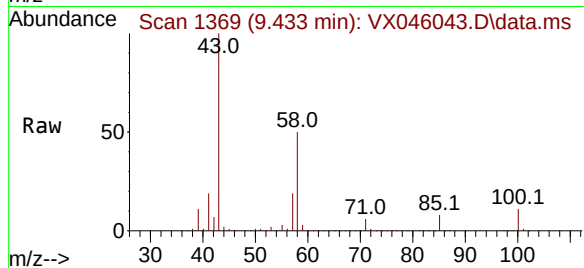
58 49.9 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#60

Dibromochloromethane

Concen: 78.918 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX046043.D

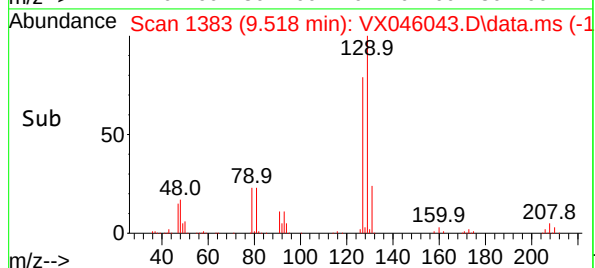
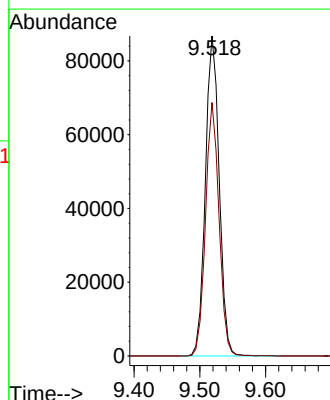
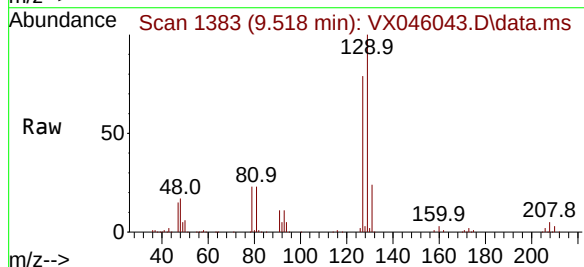
Acq: 05 May 2025 12:21

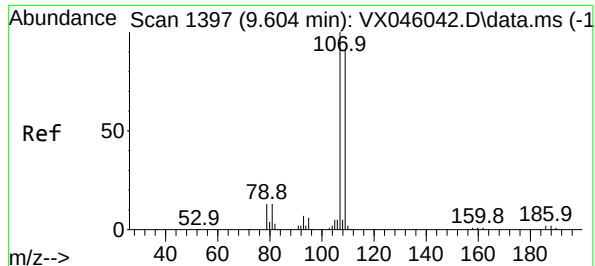
Tgt Ion:129 Resp: 127012

Ion Ratio Lower Upper

129 100

127 77.0 39.3 117.8





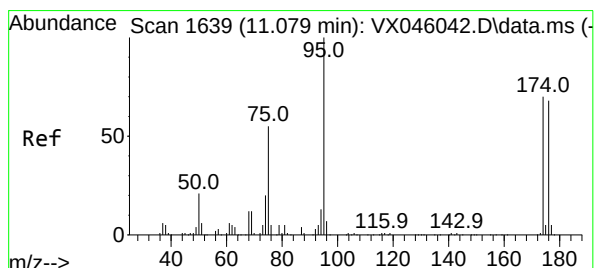
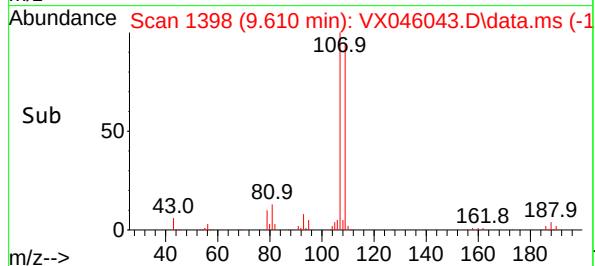
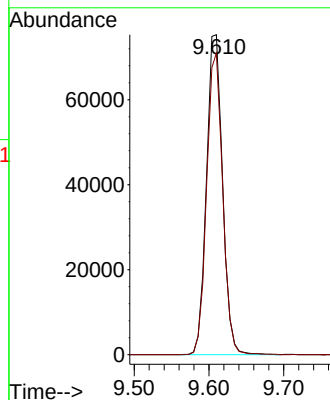
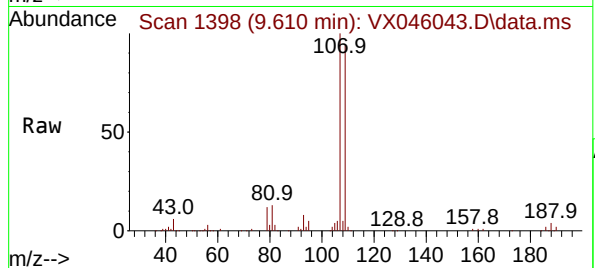
#61
1,2-Dibromoethane
Concen: 74.200 ug/l
RT: 9.610 min Scan# 11266
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 11266
Ion Ratio Lower Upper
107 100
109 93.9 73.3 109.9

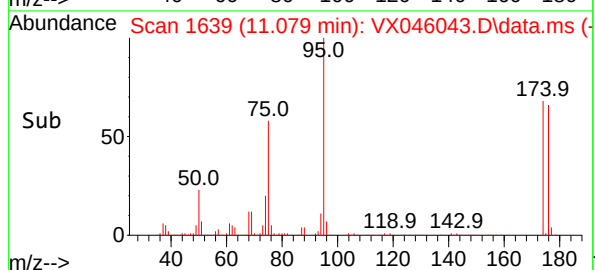
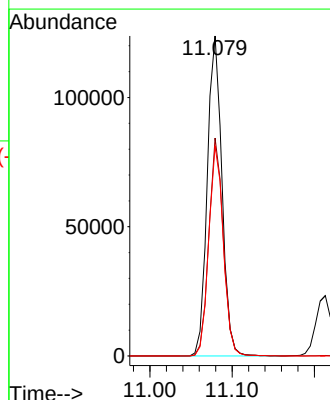
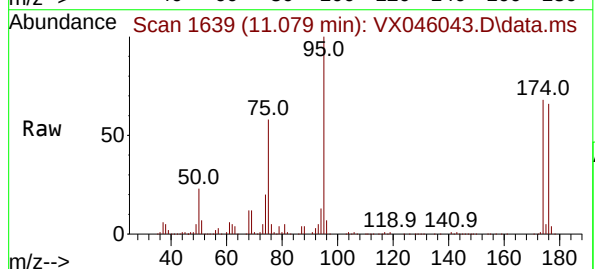
Manual Integrations
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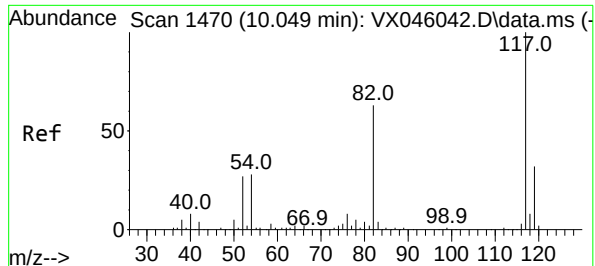
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#62
4-Bromofluorobenzene
Concen: 72.818 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

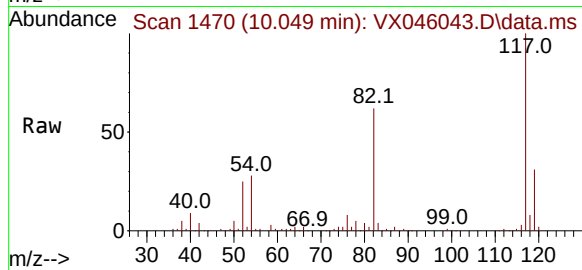
Tgt Ion: 95 Resp: 153085
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.8
176 65.3 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

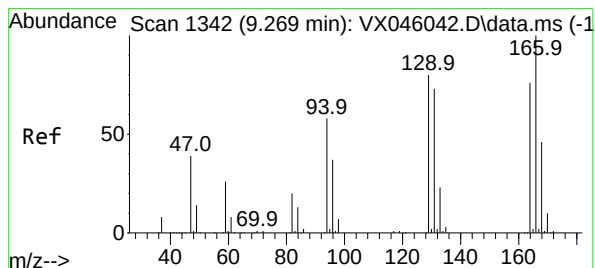
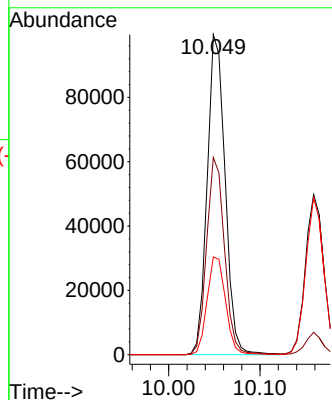
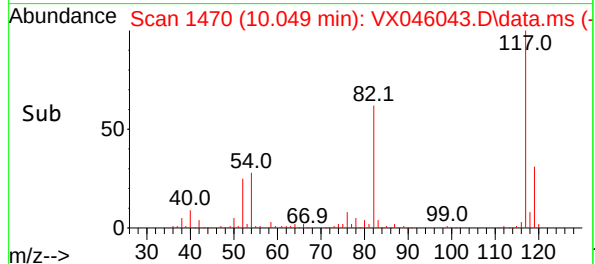
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:117 Resp: 135214
Ion Ratio Lower Upper
117 100
82 61.7 50.6 76.0
119 30.6 25.8 38.6

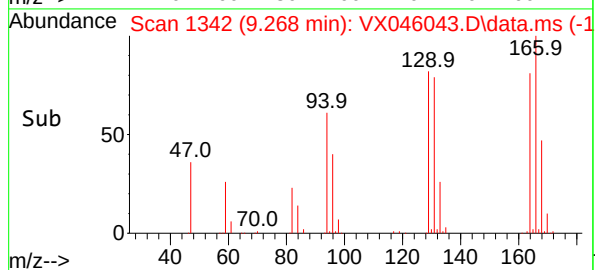
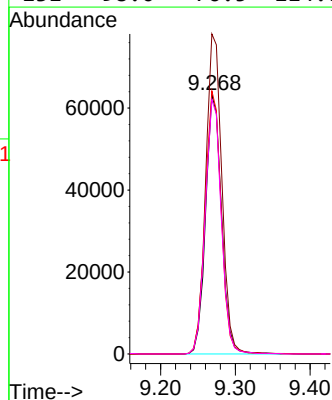
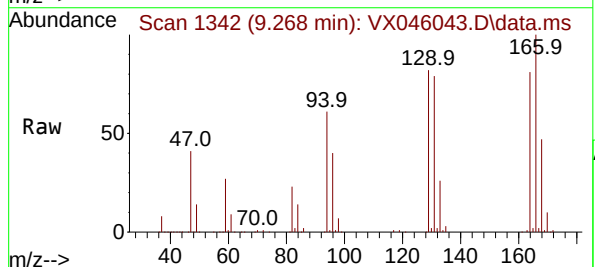
Manual Integrations
APPROVED

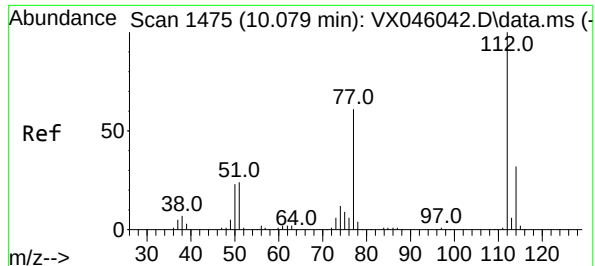
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#64
Tetrachloroethene
Concen: 67.493 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

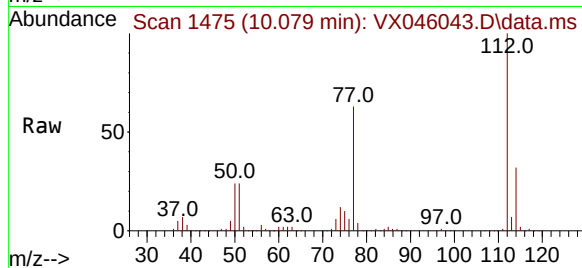
Tgt Ion:164 Resp: 93195
Ion Ratio Lower Upper
164 100
166 123.4 105.0 157.6
129 101.4 83.5 125.3
131 98.0 76.5 114.7





#65
Chlorobenzene
Concen: 70.490 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

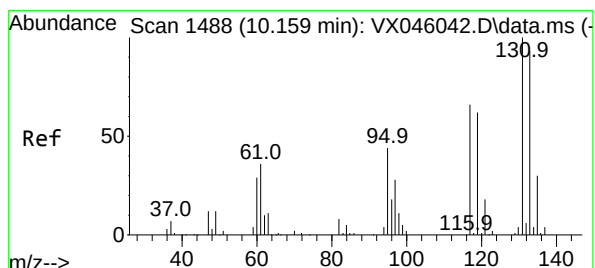
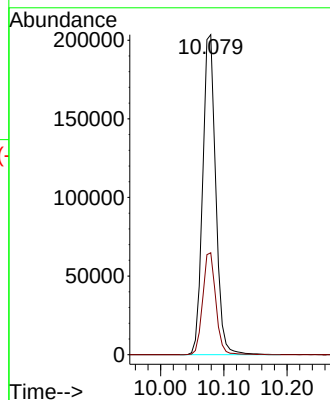
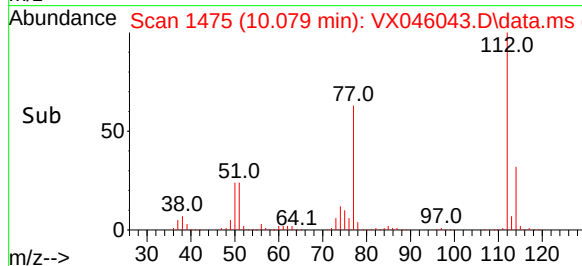
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:112 Resp: 293284
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

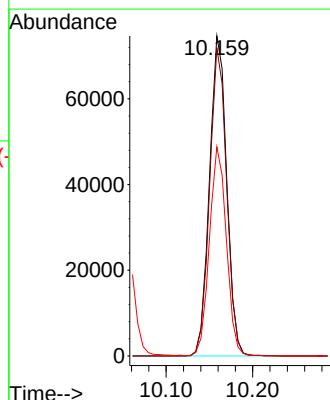
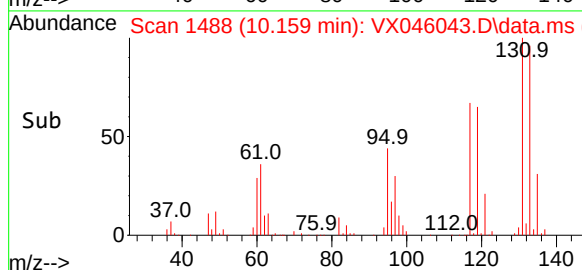
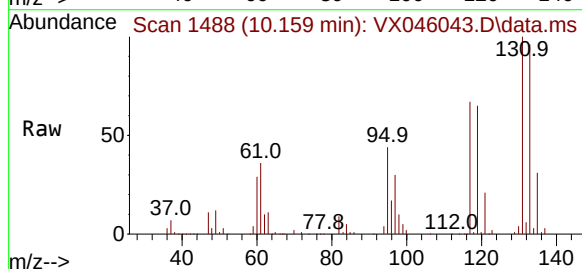
Manual Integrations
APPROVED

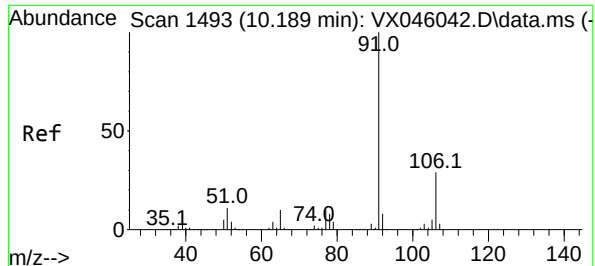
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 74.349 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:131 Resp: 103177
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 64.5 31.6 95.0





#67

Ethyl Benzene

Concen: 75.444 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 53512

Ion Ratio Lower Upper

91 100

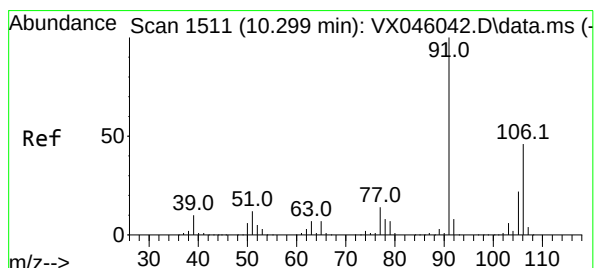
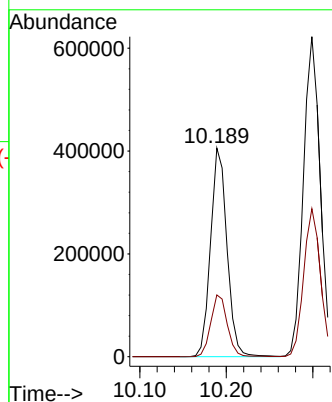
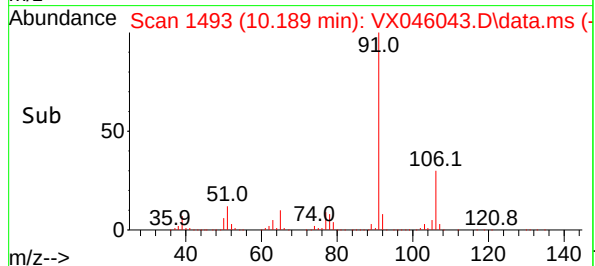
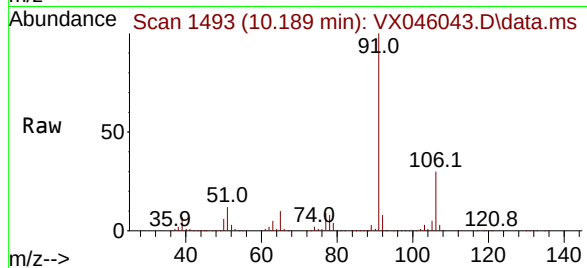
106 29.6 23.4 35.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#68

m/p-Xylenes

Concen: 152.181 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX046043.D

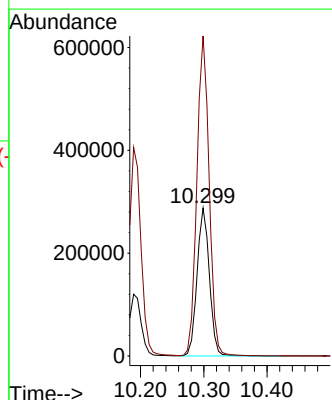
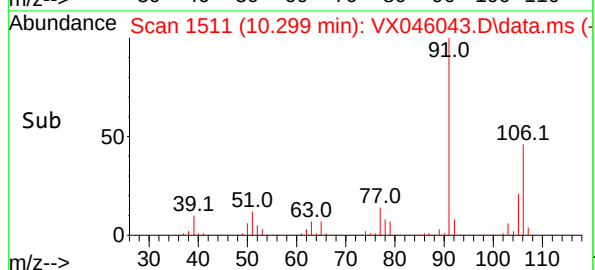
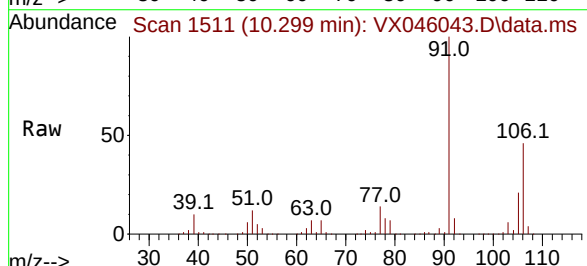
Acq: 05 May 2025 12:21

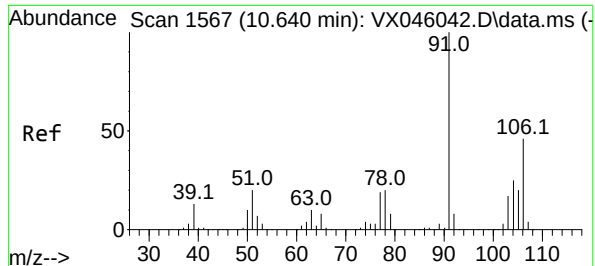
Tgt Ion:106 Resp: 389935

Ion Ratio Lower Upper

106 100

91 215.8 171.2 256.8





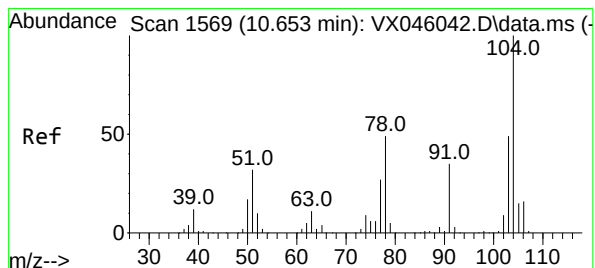
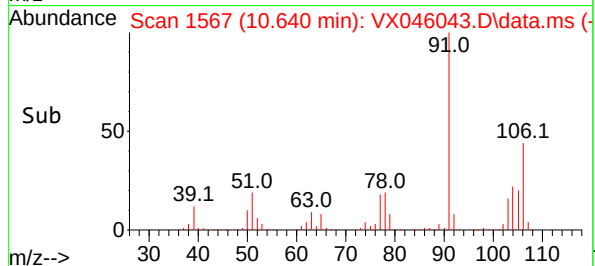
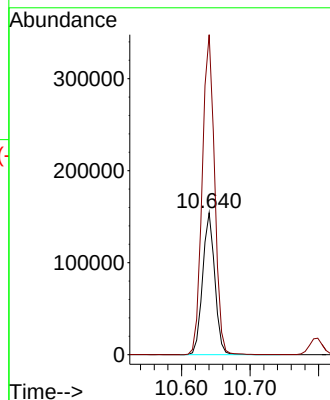
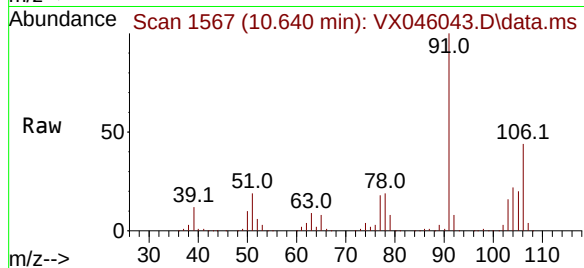
#69
o-Xylene
Concen: 73.890 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 190833
Ion Ratio Lower Upper
106 100
91 230.3 112.7 338.1

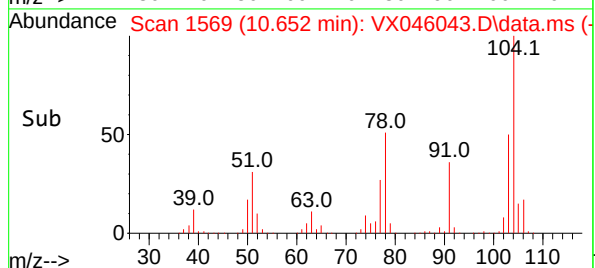
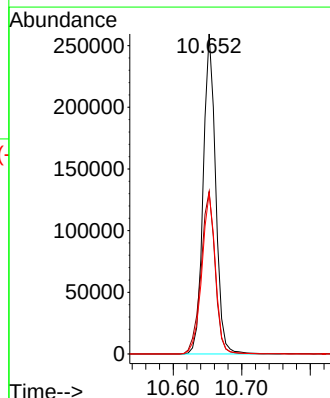
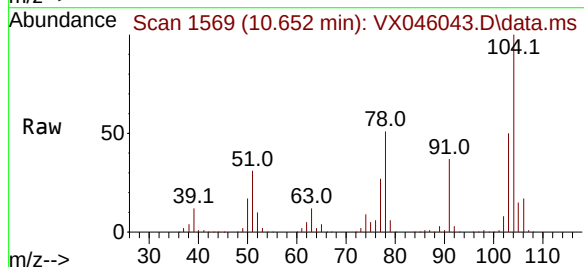
Manual Integrations
APPROVED

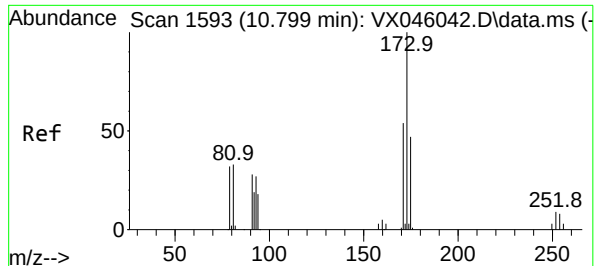
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#70
Styrene
Concen: 79.411 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

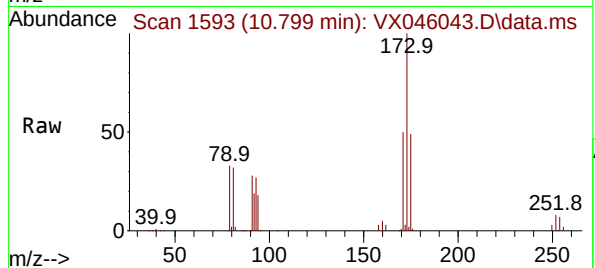
Tgt Ion:104 Resp: 328195
Ion Ratio Lower Upper
104 100
78 57.4 45.7 68.5
103 54.8 43.7 65.5





#71
Bromoform
Concen: 80.927 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

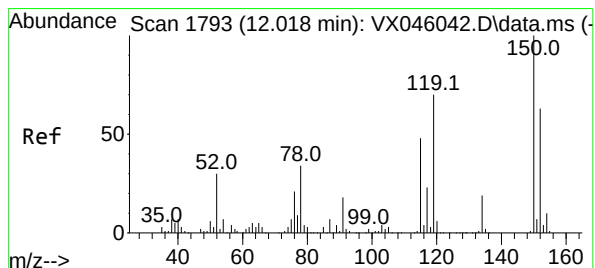
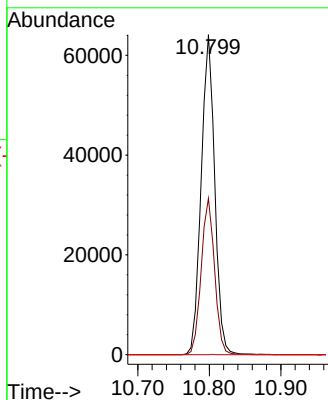
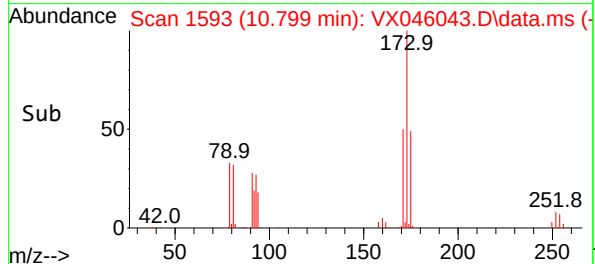
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:173 Resp: 8435
Ion Ratio Lower Upper
173 100
175 48.3 23.4 70.0
254 0.0 0.0 0.0

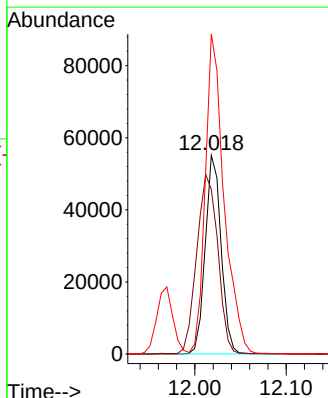
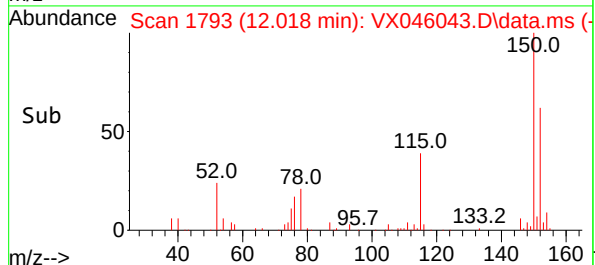
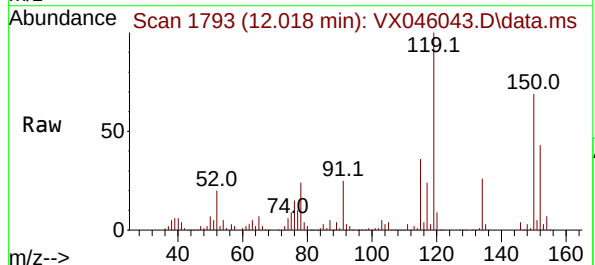
Manual Integrations
APPROVED

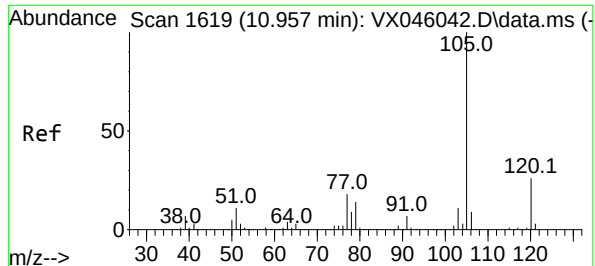
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

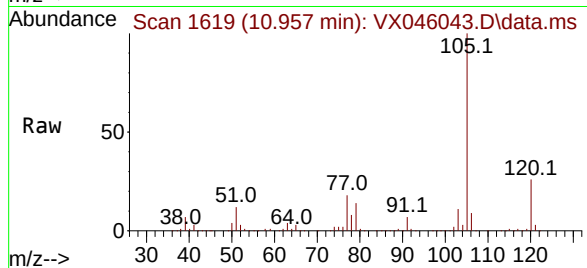
Tgt Ion:152 Resp: 66369
Ion Ratio Lower Upper
152 100
115 120.4 46.9 140.7
150 190.4 0.0 351.0





#73
Isopropylbenzene
Concen: 71.083 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

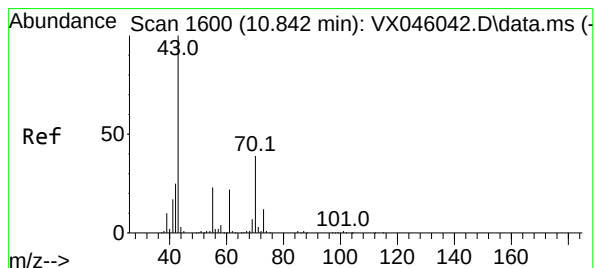
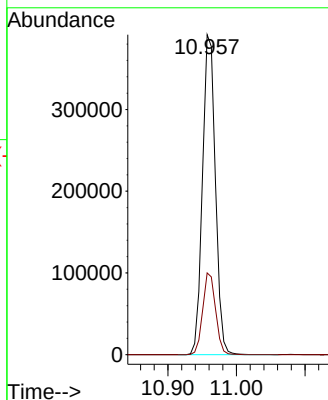
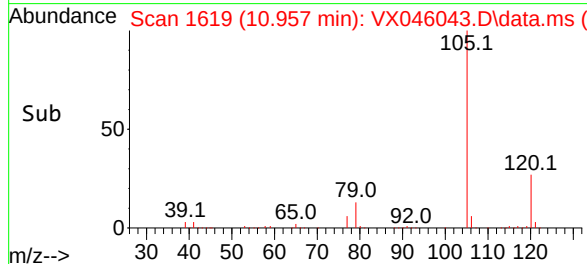
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion:105 Resp: 514528
Ion Ratio Lower Upper
105 100
120 25.4 12.8 38.4

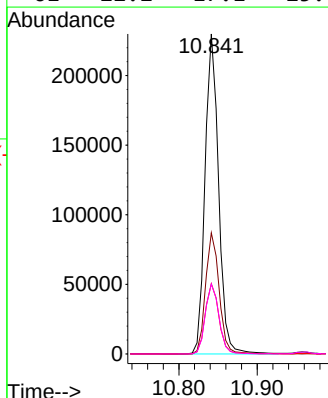
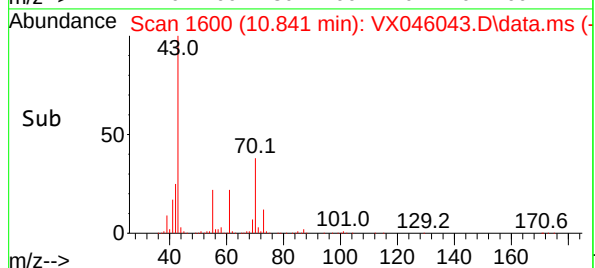
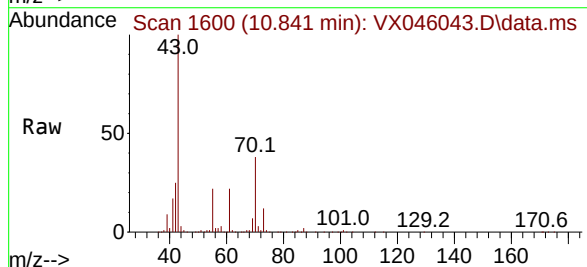
Manual Integrations
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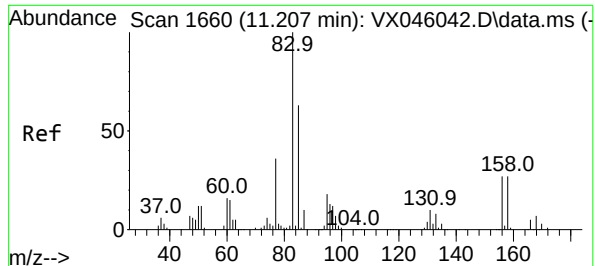
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#74
N-ethyl acetate
Concen: 76.073 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 274553
Ion Ratio Lower Upper
43 100
70 38.2 30.9 46.3
55 22.5 18.7 28.1
61 22.2 17.1 25.7





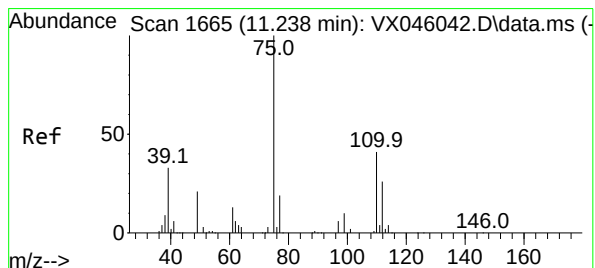
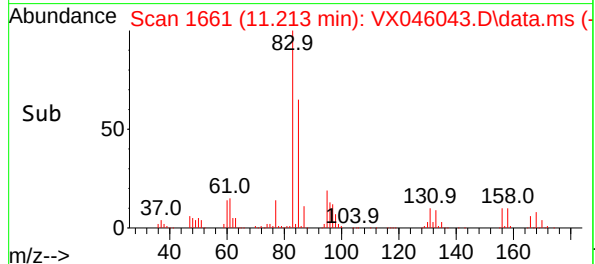
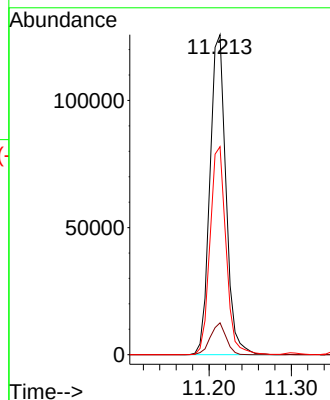
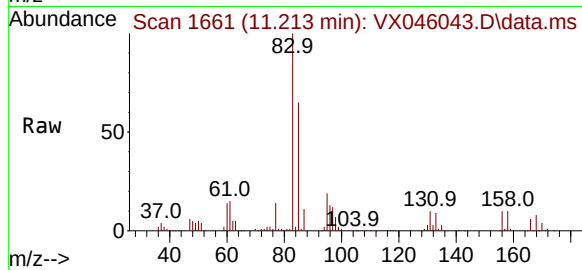
#75
1,1,2,2-Tetrachloroethane
Concen: 66.207 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 17048
Ion Ratio Lower Upper
83 100
131 9.7 5.0 14.9
85 64.9 31.9 95.7

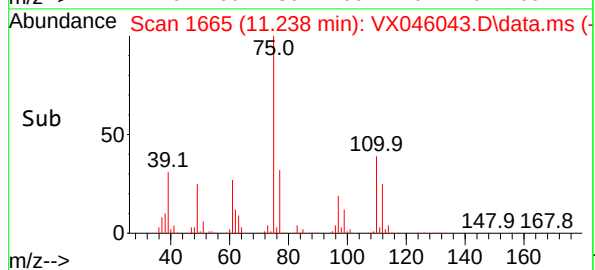
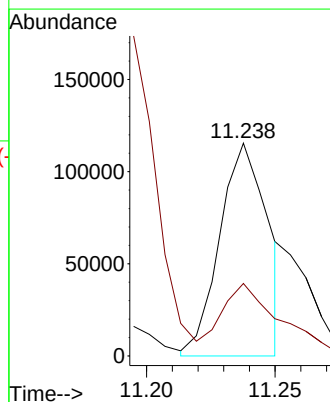
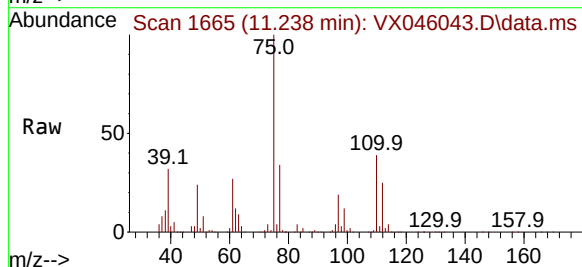
Manual Integrations
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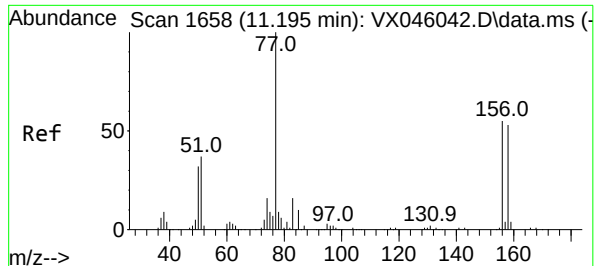
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#76
1,2,3-Trichloropropane
Concen: 54.277 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

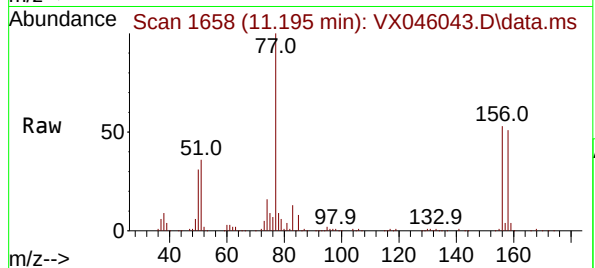
Tgt Ion: 75 Resp: 150182
Ion Ratio Lower Upper
75 100
77 42.2 20.5 61.5





#77
Bromobenzene
Concen: 69.959 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

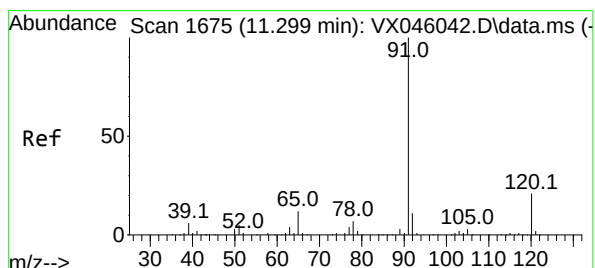
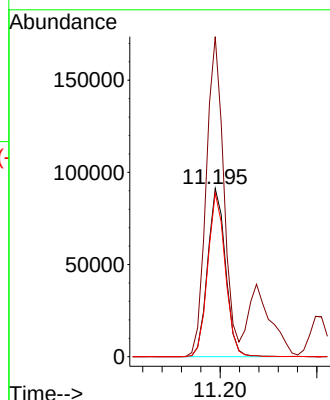
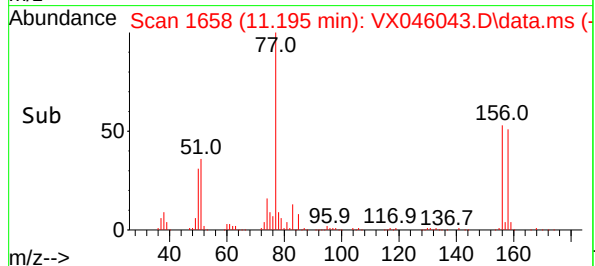
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



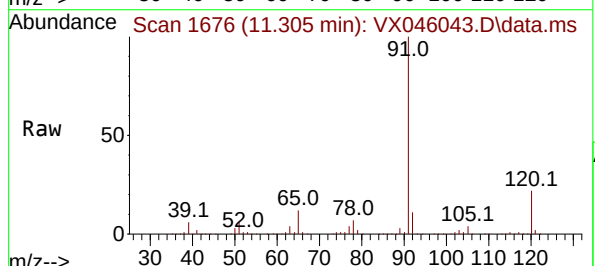
Tgt Ion:156 Resp: 11715
Ion Ratio Lower Upper
156 100
77 187.4 92.8 278.3
158 96.1 48.8 146.3

Manual Integrations
APPROVED

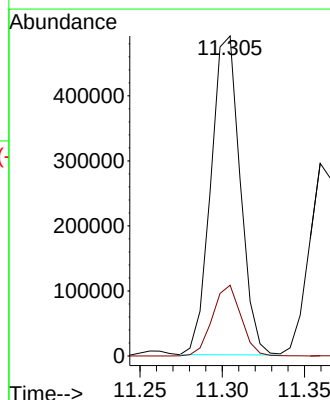
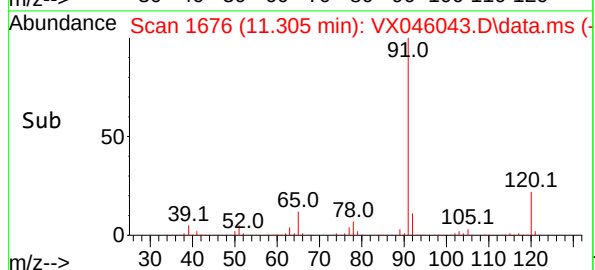
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

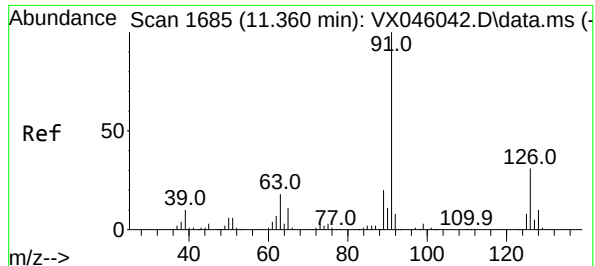


#78
n-propylbenzene
Concen: 74.974 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21



Tgt Ion: 91 Resp: 608332
Ion Ratio Lower Upper
91 100
120 21.7 10.8 32.4





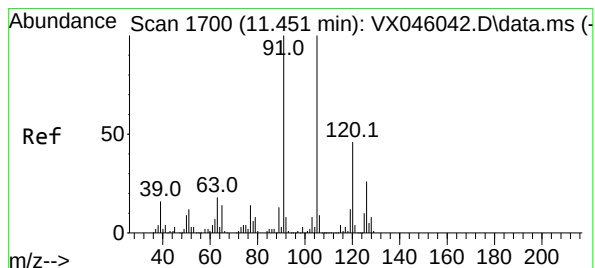
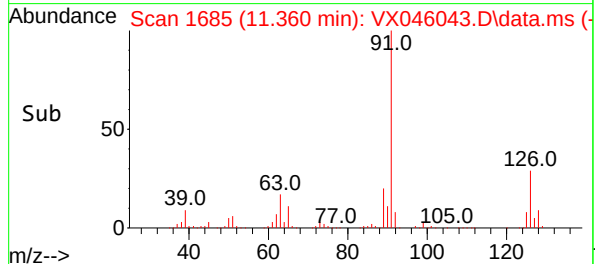
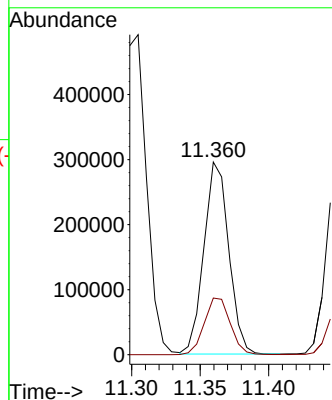
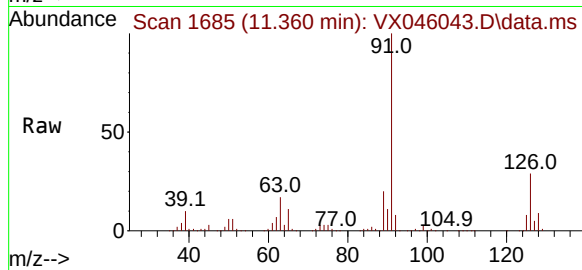
#79
2-Chlorotoluene
Concen: 68.100 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 372392
Ion Ratio Lower Upper
91 100
126 30.9 15.6 46.7

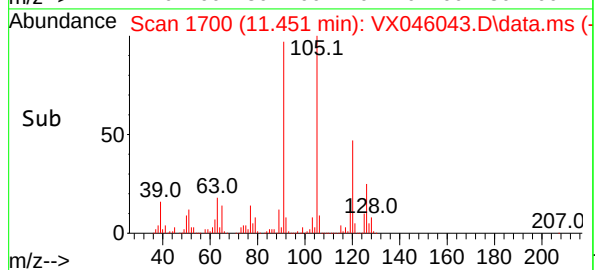
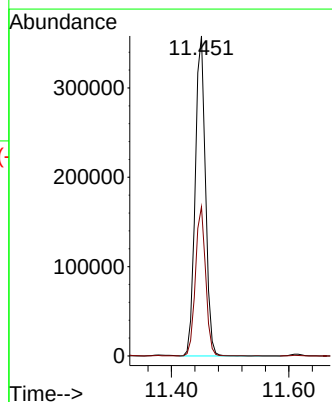
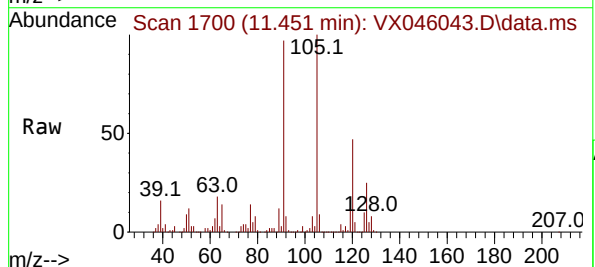
Manual Integrations
APPROVED

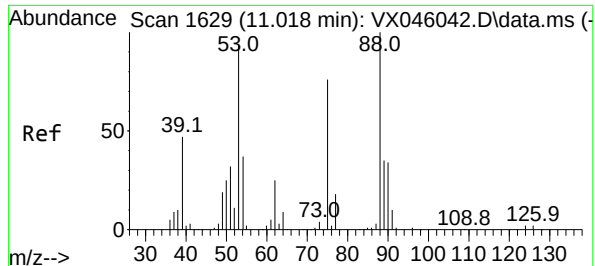
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#80
1,3,5-Trimethylbenzene
Concen: 71.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

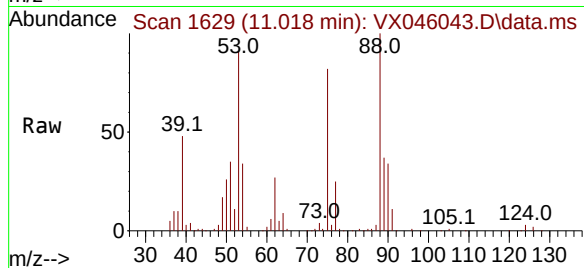
Tgt Ion:105 Resp: 432096
Ion Ratio Lower Upper
105 100
120 46.3 23.1 69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 81.820 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

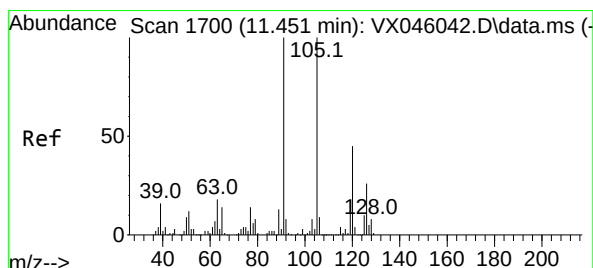
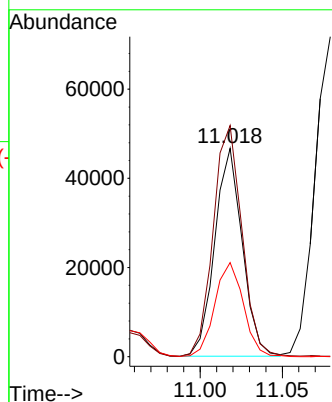
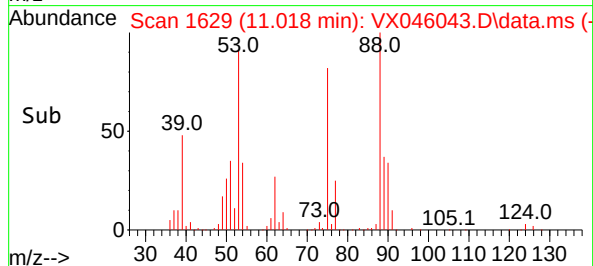
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion: 75 Resp: 54398
Ion Ratio Lower Upper
75 100
53 115.8 100.5 150.7
89 47.0 37.0 55.6

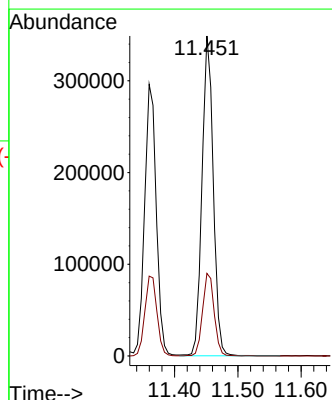
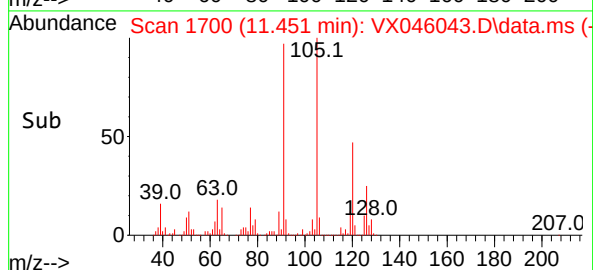
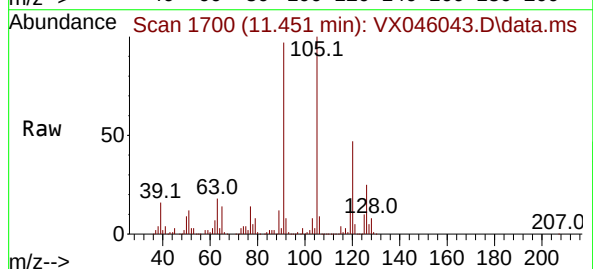
Manual Integrations
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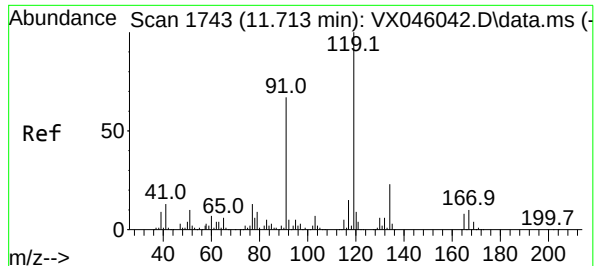
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#82
4-Chlorotoluene
Concen: 71.890 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

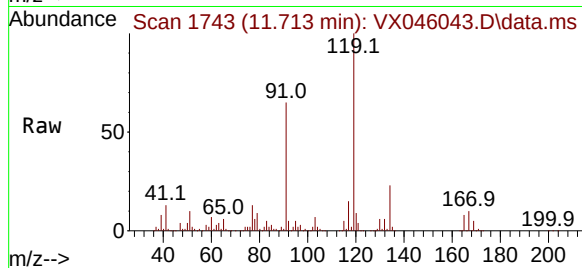
Tgt Ion: 91 Resp: 432053
Ion Ratio Lower Upper
91 100
126 26.5 13.3 39.8





#83
tert-Butylbenzene
Concen: 73.197 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

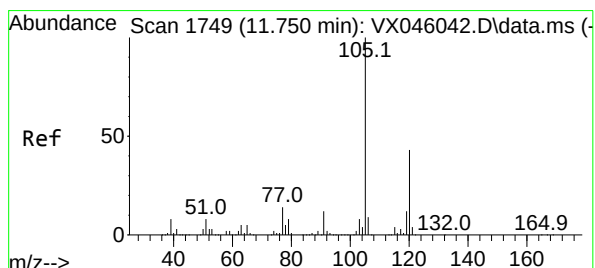
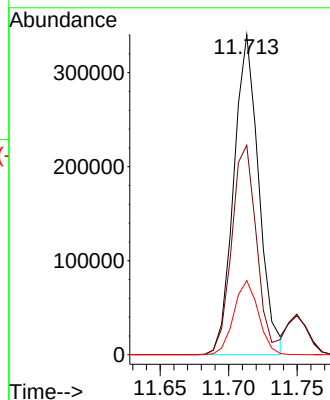
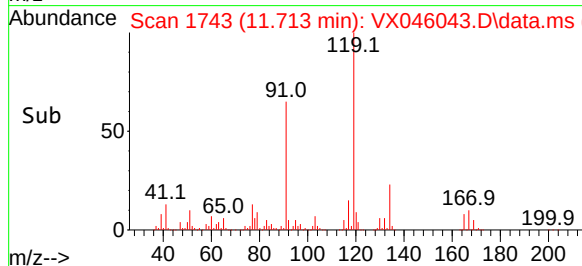
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:119 Resp: 43201
Ion Ratio Lower Upper
119 100
91 64.4 32.9 98.7
134 22.8 11.4 34.1

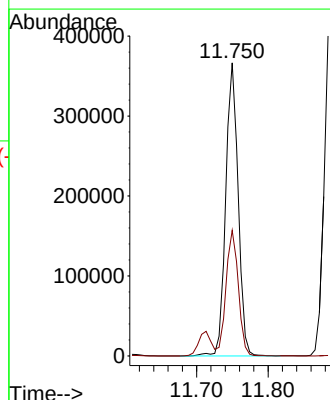
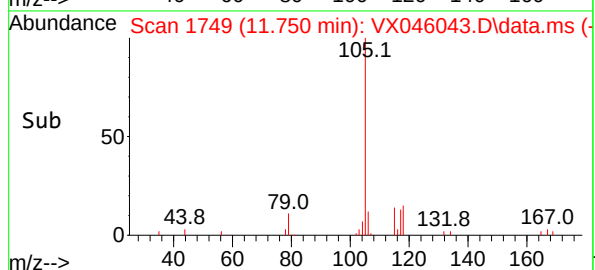
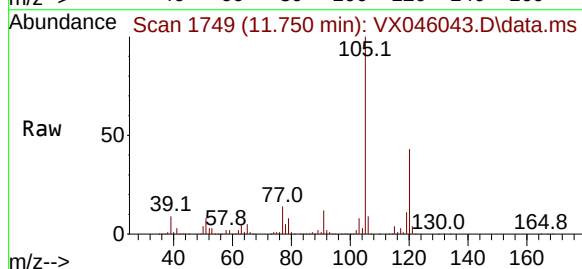
Manual Integrations
APPROVED

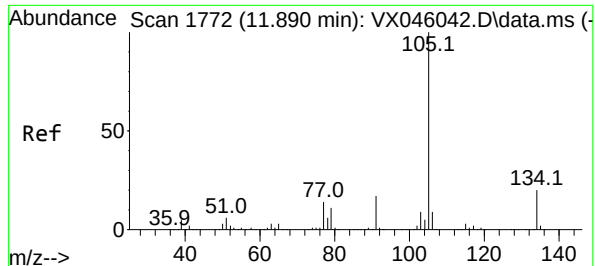
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#84
1,2,4-Trimethylbenzene
Concen: 73.758 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 442728
Ion Ratio Lower Upper
105 100
120 42.4 21.2 63.6





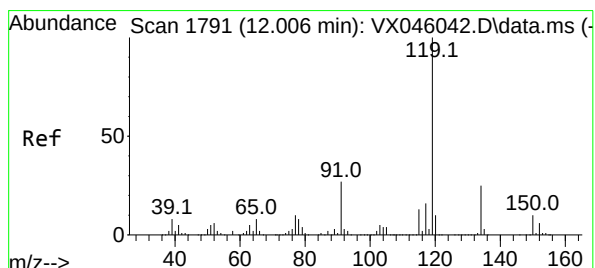
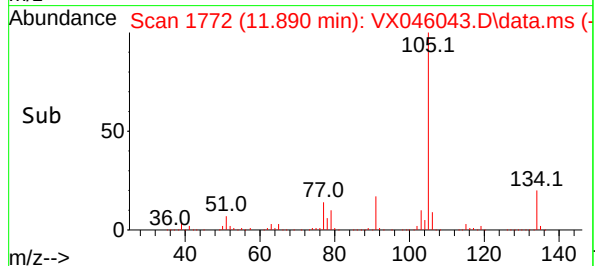
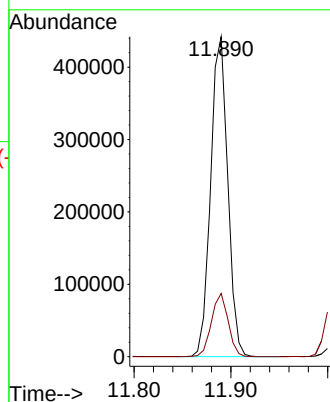
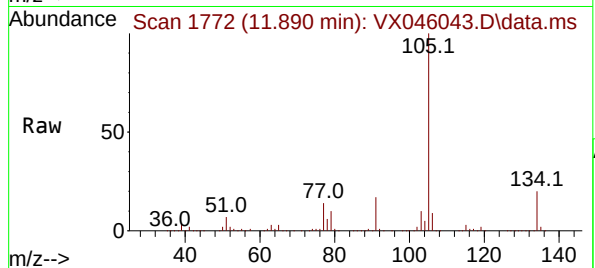
#85
sec-Butylbenzene
Concen: 74.188 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 54359
Ion Ratio Lower Upper
105 100
134 19.4 9.7 29.1

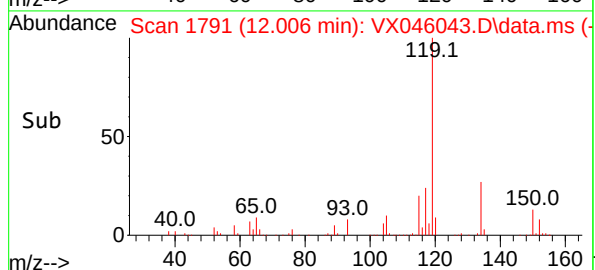
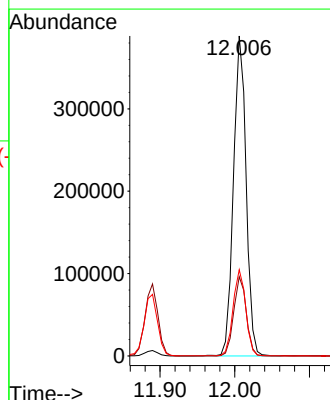
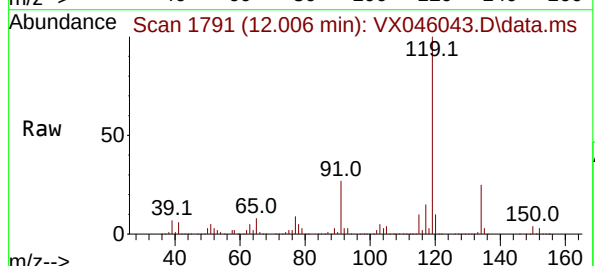
Manual Integrations
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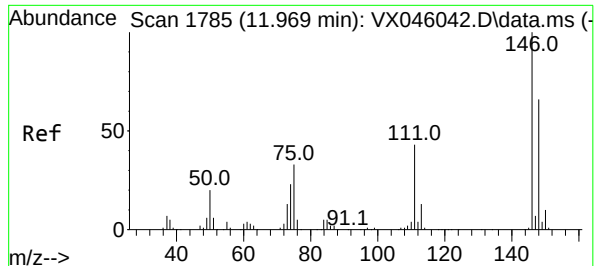
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#86
p-Isopropyltoluene
Concen: 77.393 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:119 Resp: 457898
Ion Ratio Lower Upper
119 100
134 24.6 12.5 37.5
91 26.8 13.8 41.4





#87

1,3-Dichlorobenzene

Concen: 70.449 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 21975

Ion Ratio Lower Upper

146 100

111 44.1 22.1 66.3

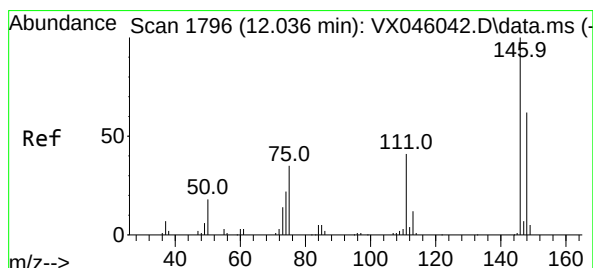
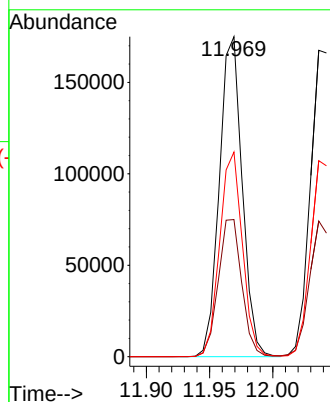
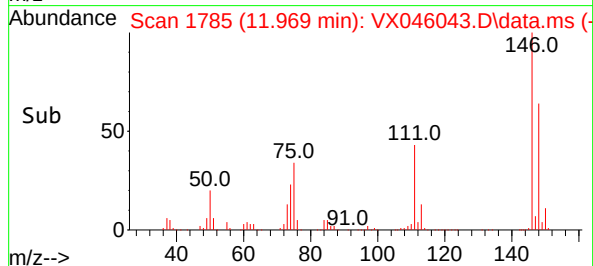
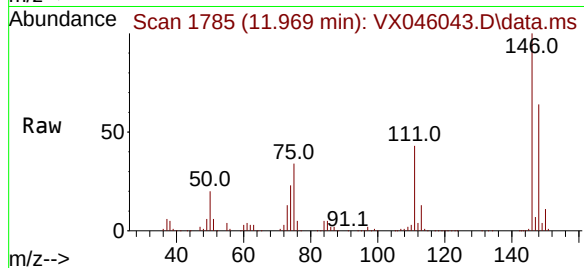
148 63.5 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#88

1,4-Dichlorobenzene

Concen: 71.190 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

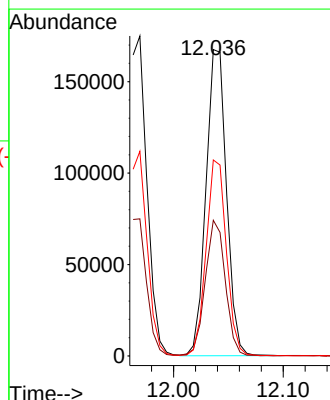
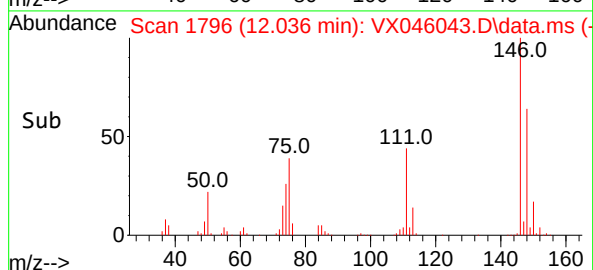
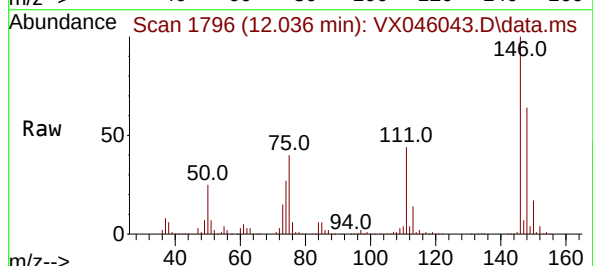
Tgt Ion:146 Resp: 217613

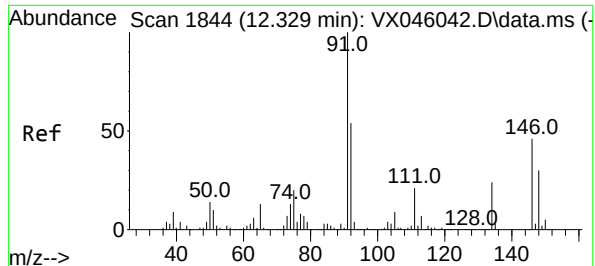
Ion Ratio Lower Upper

146 100

111 43.4 21.3 63.9

148 63.2 31.9 95.5





#89

n-Butylbenzene

Concen: 80.996 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 41660

Ion Ratio Lower Upper

91 100

92 54.0 26.9 80.7

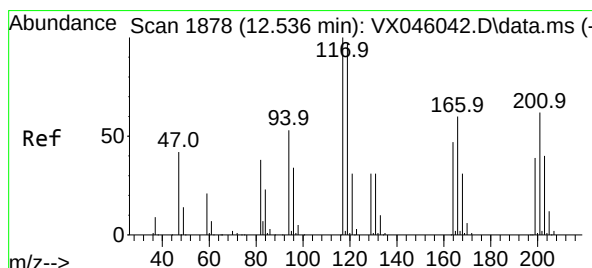
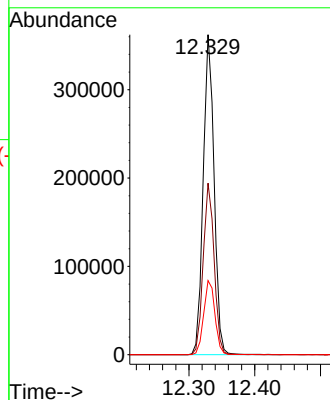
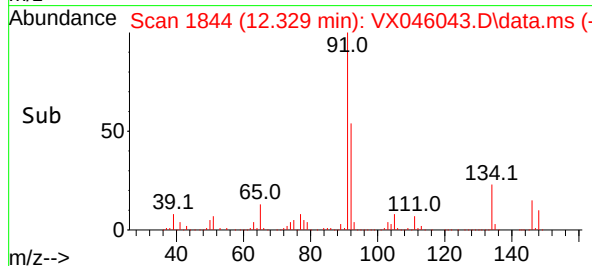
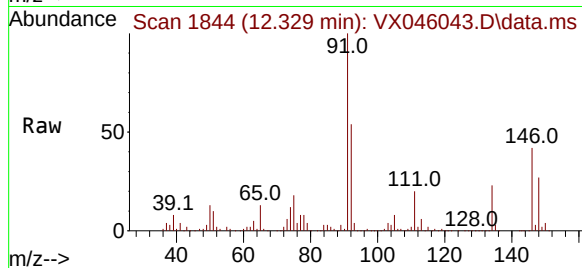
134 24.0 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#90

Hexachloroethane

Concen: 74.978 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX046043.D

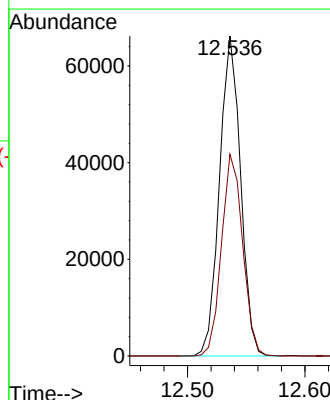
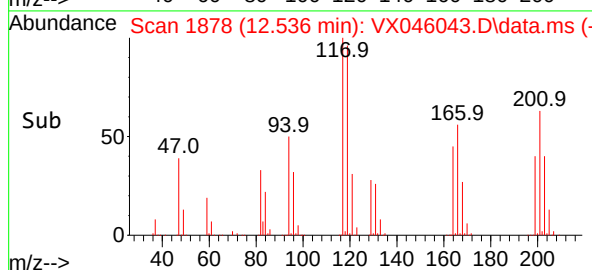
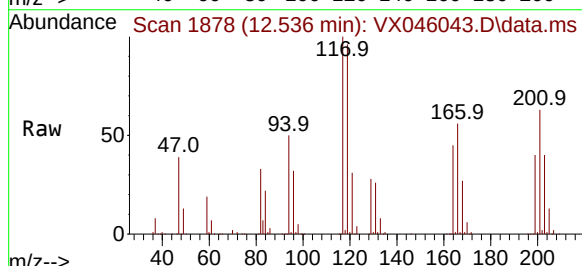
Acq: 05 May 2025 12:21

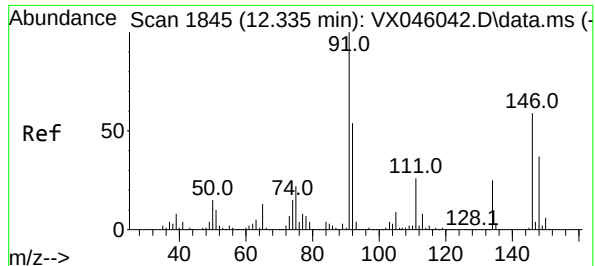
Tgt Ion:117 Resp: 82528

Ion Ratio Lower Upper

117 100

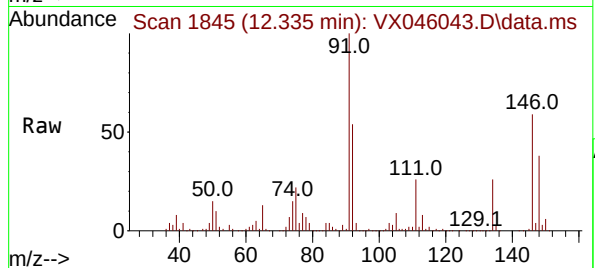
201 63.3 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 71.367 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

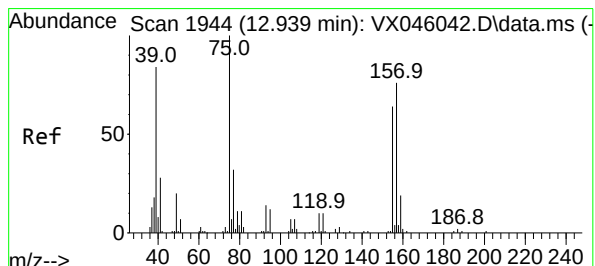
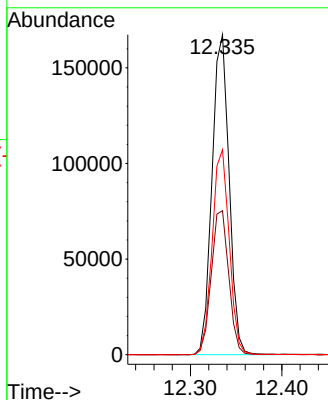
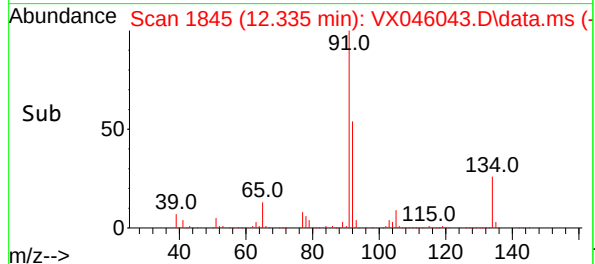
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:146 Resp: 216834
Ion Ratio Lower Upper
146 100
111 46.2 22.4 67.3
148 64.0 31.6 94.8

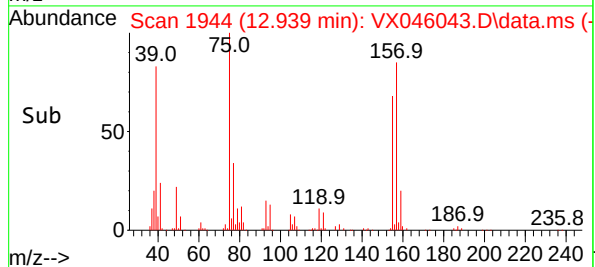
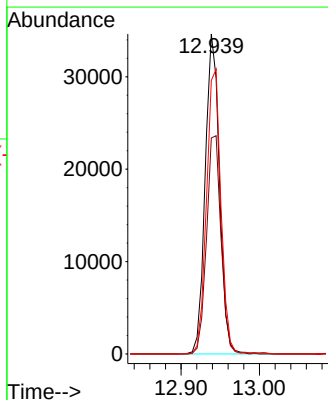
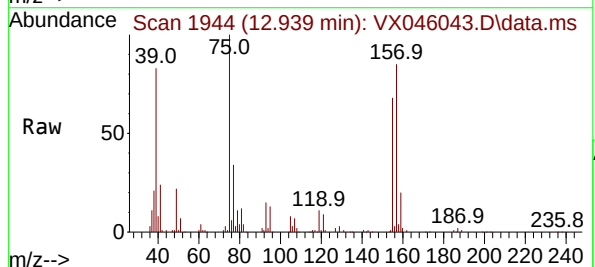
Manual Integrations
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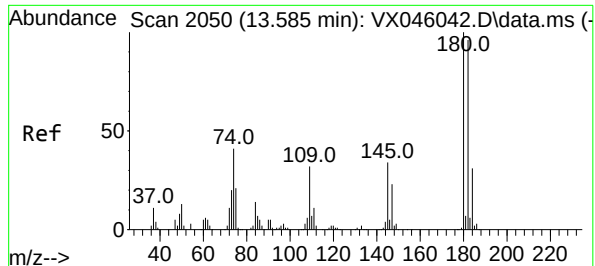
Reviewed By :John Carbone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 74.512 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 43673
Ion Ratio Lower Upper
75 100
155 69.4 34.9 104.8
157 90.1 43.8 131.4





#93

1,2,4-Trichlorobenzene

Concen: 82.605 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:180 Resp: 137430

Ion Ratio Lower Upper

180 100

182 93.7 47.9 143.8

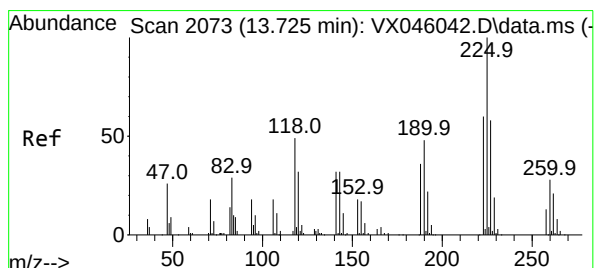
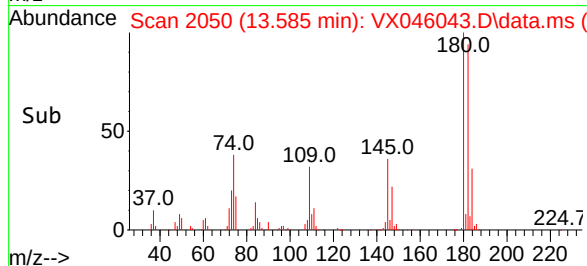
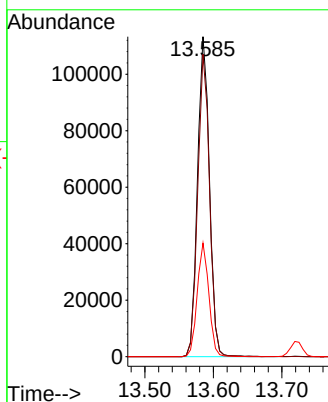
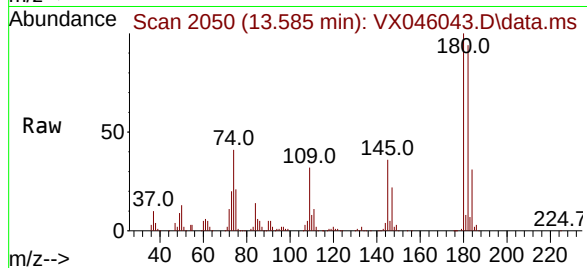
145 34.6 17.1 51.2

Manual Integrations

APPROVED

Reviewed By :John Carbone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#94

Hexachlorobutadiene

Concen: 71.314 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX046043.D

Acq: 05 May 2025 12:21

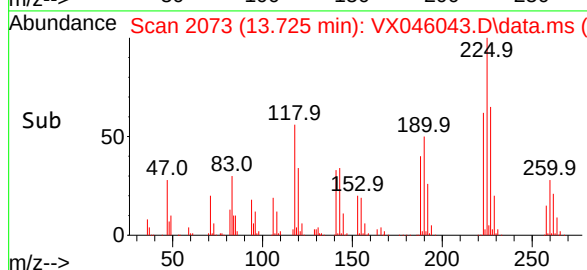
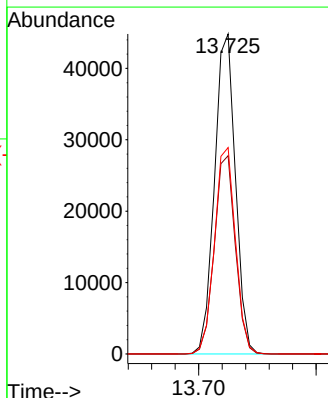
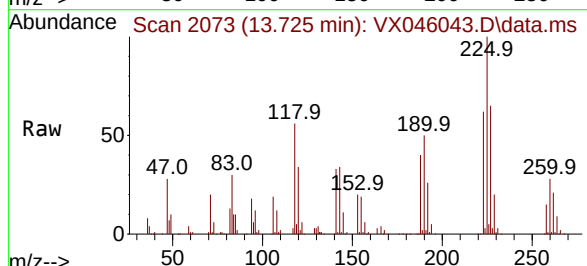
Tgt Ion:225 Resp: 55494

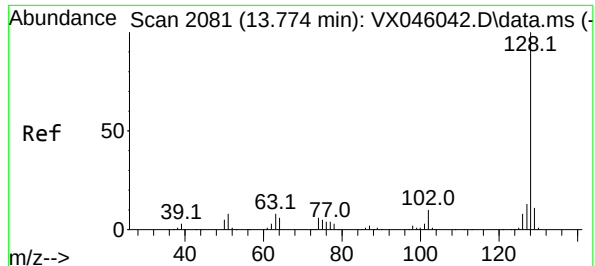
Ion Ratio Lower Upper

225 100

223 62.3 30.8 92.4

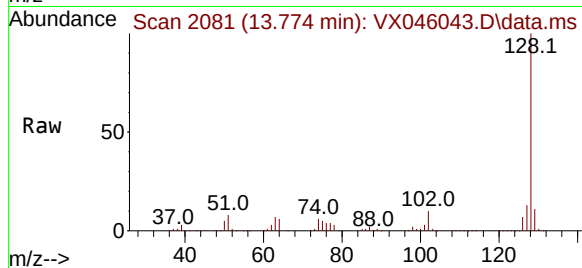
227 64.9 30.9 92.7





#95
Naphthalene
Concen: 80.842 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

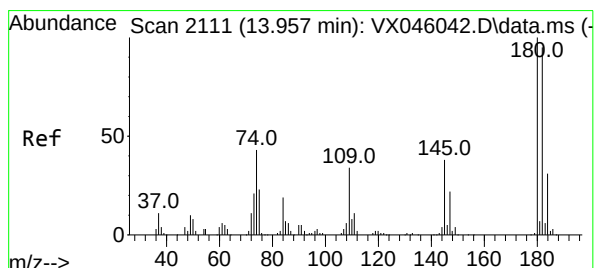
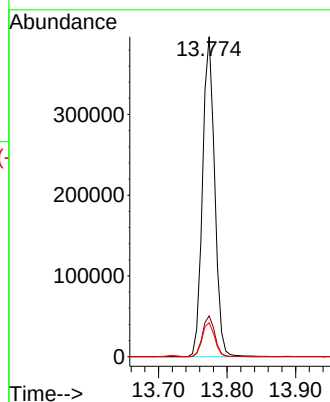
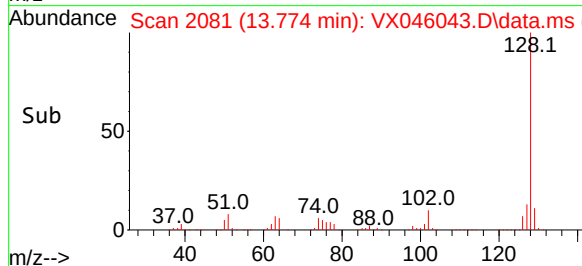
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:128 Resp: 489778
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.6 13.0

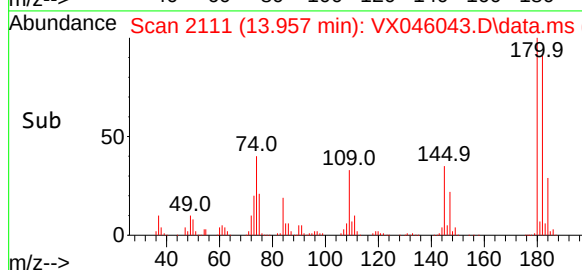
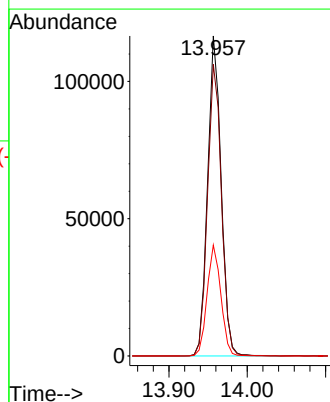
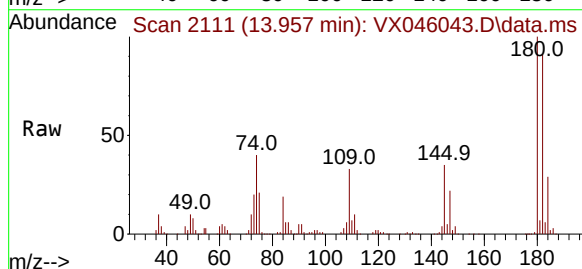
Manual Integrations
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Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 79.981 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:180 Resp: 139525
Ion Ratio Lower Upper
180 100
182 93.7 47.8 143.3
145 35.3 18.1 54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046044.D
 Acq On : 05 May 2025 12:45
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: May 06 06:11:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
 Supervised By :Mahesh Dadoda 05/06/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	82963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60345	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	231952	93.983	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 187.960%#			
35) Dibromofluoromethane	5.385	113	160168	98.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.120%#			
50) Toluene-d8	8.647	98	554390	101.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 202.500%#			
62) 4-Bromofluorobenzene	11.079	95	217536	109.174	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 218.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	217793	118.929	ug/l	98
3) Chloromethane	1.307	50	196843	109.161	ug/l	99
4) Vinyl Chloride	1.374	62	187924	118.953	ug/l	100
5) Bromomethane	1.593	94	83008	103.625	ug/l	95
6) Chloroethane	1.660	64	78806	96.822	ug/l	98
7) Trichlorofluoromethane	1.868	101	245108	101.851	ug/l	97
8) Diethyl Ether	2.136	74	88441	111.791	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	161404	112.243	ug/l	99
10) Methyl Iodide	2.441	142	189843	112.441	ug/l	100
11) Tert butyl alcohol	3.002	59	181238	616.119	ug/l	100
12) 1,1-Dichloroethene	2.307	96	155451	111.039	ug/l	99
13) Acrolein	2.239	56	203257	594.872	ug/l	98
14) Allyl chloride	2.654	41	297776	112.561	ug/l	98
15) Acrylonitrile	3.069	53	484854	550.973	ug/l	98
16) Acetone	2.392	43	460820	545.754	ug/l	98
17) Carbon Disulfide	2.502	76	397353	122.499	ug/l	100
18) Methyl Acetate	2.709	43	217885	108.099	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	557210	114.112	ug/l	100
20) Methylene Chloride	2.782	84	172035	100.579	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	154694	108.241	ug/l	96
22) Diisopropyl ether	3.764	45	577610	116.858	ug/l	90
23) Vinyl Acetate	3.721	43	2655751	608.005	ug/l	100
24) 1,1-Dichloroethane	3.605	63	320083	110.182	ug/l	99
25) 2-Butanone	4.562	43	708463	581.292	ug/l	98
26) 2,2-Dichloropropane	4.471	77	258698	117.548	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	187835	108.994	ug/l	99
28) Bromochloromethane	4.898	49	146923	95.108	ug/l	100
29) Tetrahydrofuran	5.007	42	450456	569.081	ug/l	99
30) Chloroform	5.087	83	323659	107.208	ug/l	95
31) Cyclohexane	5.458	56	286312	116.934	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	295702	113.572	ug/l	98
36) 1,1-Dichloropropene	5.684	75	219731	116.462	ug/l	99
37) Ethyl Acetate	4.715	43	274312	115.889	ug/l	99
38) Carbon Tetrachloride	5.666	117	250916	115.760	ug/l	99
39) Methylcyclohexane	7.373	83	286311	121.107	ug/l	97
40) Benzene	6.031	78	642178	109.813	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046044.D
 Acq On : 05 May 2025 12:45
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/06/2025
 Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	151424	115.139	ug/l	98
42) 1,2-Dichloroethane	6.080	62	271992	112.492	ug/l	99
43) Isopropyl Acetate	6.342	43	447871	123.780	ug/l	100
44) Trichloroethene	7.117	130	157641	114.032	ug/l	96
45) 1,2-Dichloropropane	7.428	63	164505	113.217	ug/l	99
46) Dibromomethane	7.574	93	125846	109.869	ug/l	100
47) Bromodichloromethane	7.818	83	258326	116.365	ug/l	98
48) Methyl methacrylate	7.690	41	231040	124.356	ug/l	99
49) 1,4-Dioxane	7.665	88	82800	2241.695	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1371275	577.831	ug/l	100
52) Toluene	8.714	92	393323	113.430	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	257233	138.001	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	271054	124.658	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	154932	110.551	ug/l	97
56) Ethyl methacrylate	9.116	69	277921	127.968	ug/l	99
57) 1,3-Dichloropropane	9.305	76	272814	109.813	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	680608	697.344	ug/l	100
59) 2-Hexanone	9.433	43	1028597	571.094	ug/l	99
60) Dibromochloromethane	9.519	129	187497	122.915	ug/l	98
61) 1,2-Dibromoethane	9.604	107	165634	115.087	ug/l	97
64) Tetrachloroethene	9.269	164	132488	100.918	ug/l	96
65) Chlorobenzene	10.080	112	429656	108.615	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	152173	115.333	ug/l	99
67) Ethyl Benzene	10.189	91	785121	116.421	ug/l	99
68) m/p-Xylenes	10.299	106	570913	234.349	ug/l	100
69) o-Xylene	10.640	106	279906	113.990	ug/l	99
70) Styrene	10.653	104	474254	120.694	ug/l	99
71) Bromoform	10.799	173	125986	127.128	ug/l #	99
73) Isopropylbenzene	10.957	105	752337	114.312	ug/l	99
74) N-amyl acetate	10.842	43	396877	120.944	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	243532	104.018	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	213744m	84.960	ug/l	
77) Bromobenzene	11.195	156	167934	110.297	ug/l	99
78) n-propylbenzene	11.305	91	881218	119.448	ug/l	100
79) 2-Chlorotoluene	11.360	91	534560	107.514	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	616477	112.825	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	81372	134.609	ug/l	93
82) 4-Chlorotoluene	11.451	91	611736	111.948	ug/l	100
83) tert-Butylbenzene	11.713	119	617473	115.065	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	623456	114.236	ug/l	99
85) sec-Butylbenzene	11.890	105	786293	118.023	ug/l	99
86) p-Isopropyltoluene	12.006	119	651531	121.113	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	313100	110.394	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	311752	112.167	ug/l	100
89) n-Butylbenzene	12.329	91	605783	129.533	ug/l	100
90) Hexachloroethane	12.536	117	123188	123.091	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	308039	111.506	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64438	120.915	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	203255	134.366	ug/l	98
94) Hexachlorobutadiene	13.719	225	80558	113.857	ug/l	99
95) Naphthalene	13.774	128	721236	130.929	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	200379	126.331	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

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

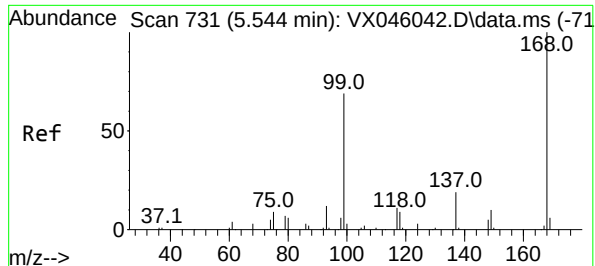
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

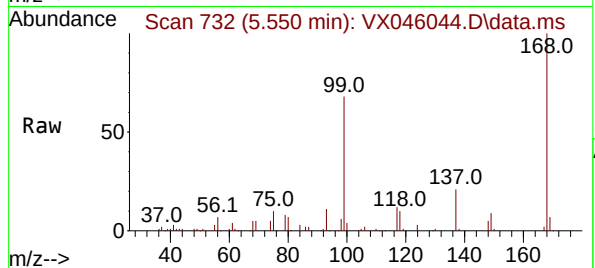
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

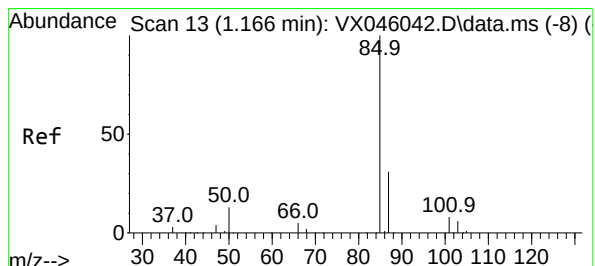
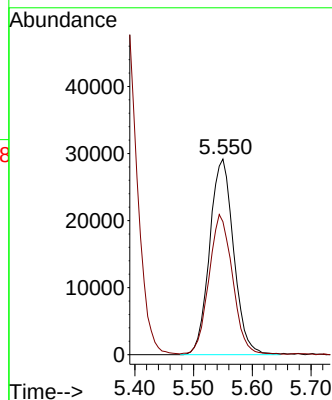
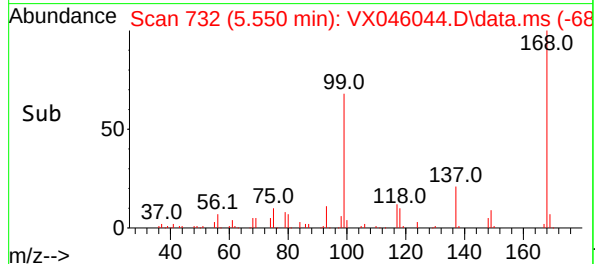
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:168 Resp: 82963
Ion Ratio Lower Upper
168 100
99 67.6 54.9 82.3

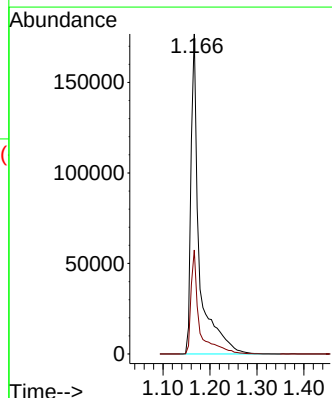
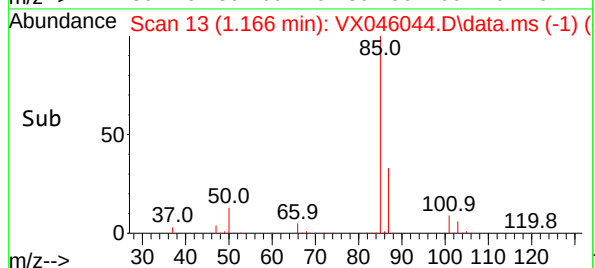
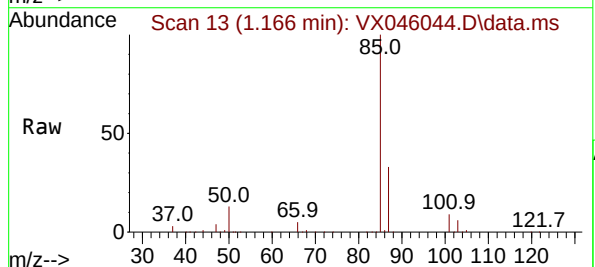
Manual Integrations
APPROVED

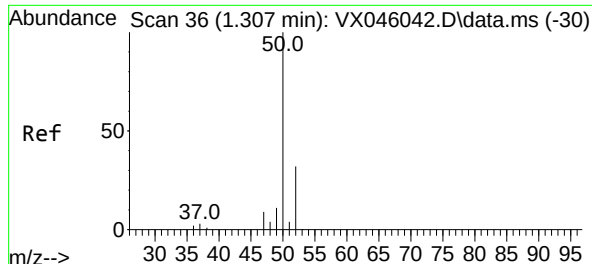
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#2
Dichlorodifluoromethane
Concen: 118.929 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 85 Resp: 217793
Ion Ratio Lower Upper
85 100
87 32.5 15.7 47.1





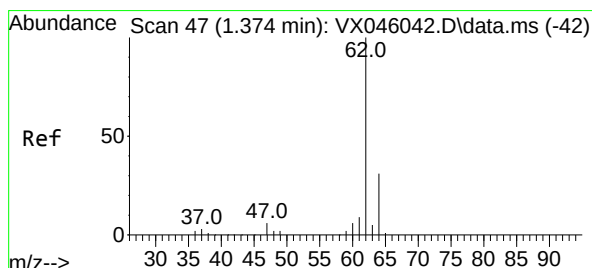
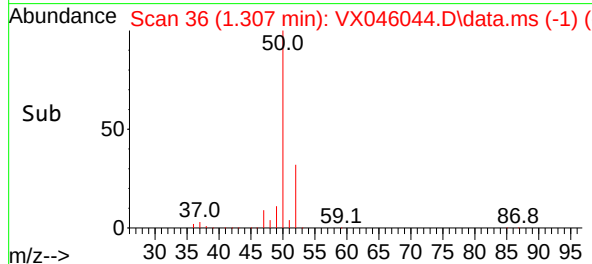
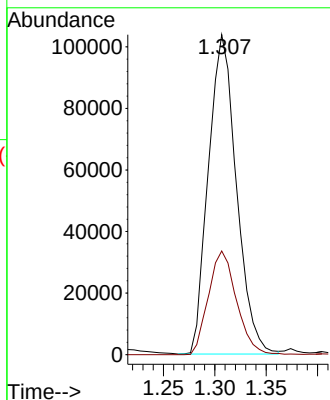
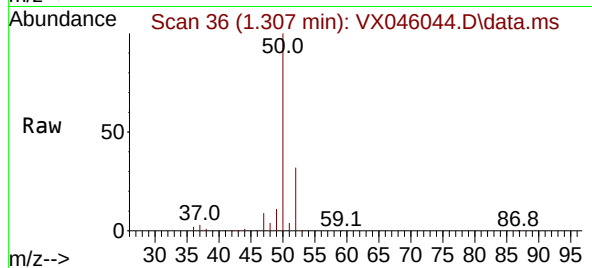
#3
Chloromethane
Concen: 109.161 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 19684
Ion Ratio Lower Upper
50 100
52 32.5 25.4 38.2

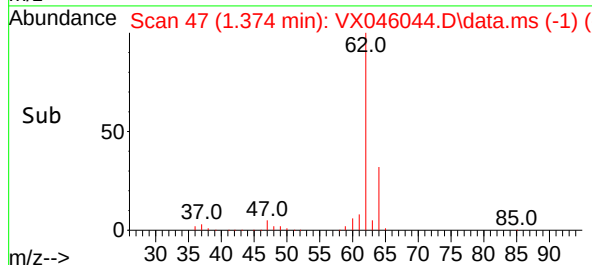
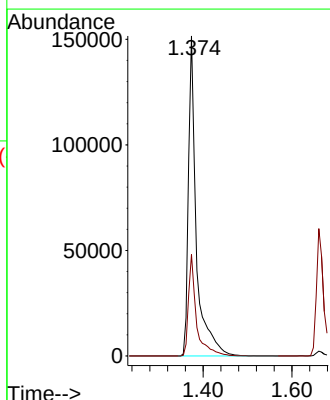
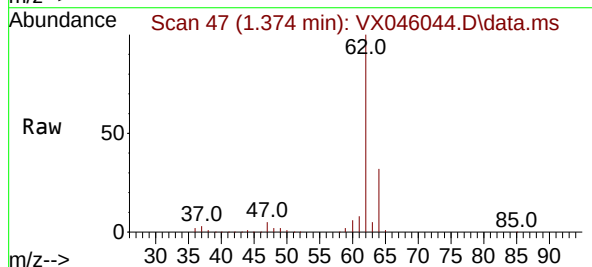
Manual Integrations
APPROVED

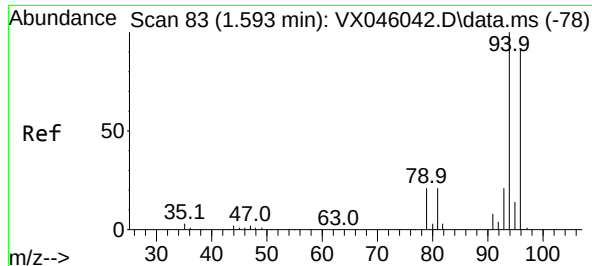
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#4
Vinyl Chloride
Concen: 118.953 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

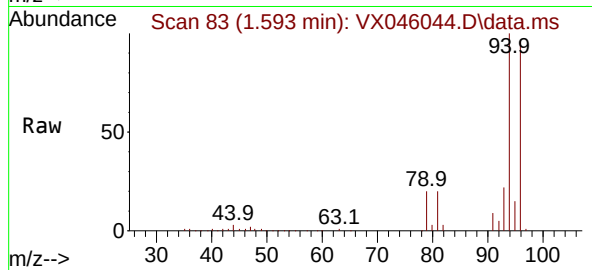
Tgt Ion: 62 Resp: 187924
Ion Ratio Lower Upper
62 100
64 31.7 25.2 37.8





#5
Bromomethane
Concen: 103.625 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

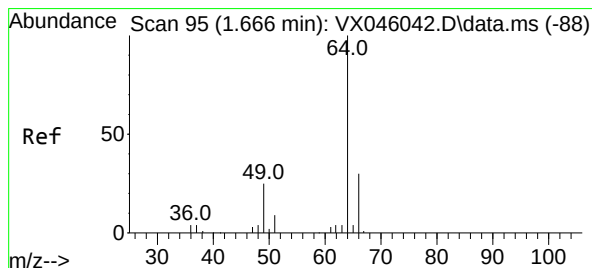
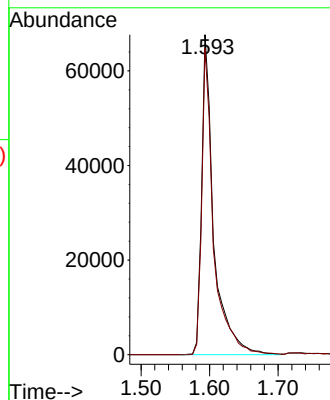
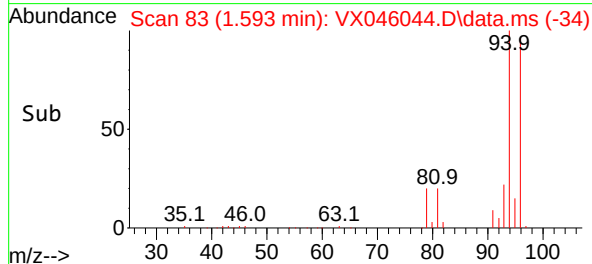
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 94 Resp: 83008
Ion Ratio Lower Upper
94 100
96 95.8 72.8 109.2

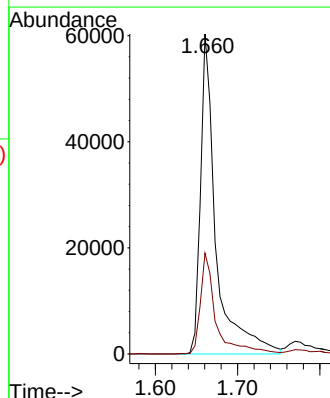
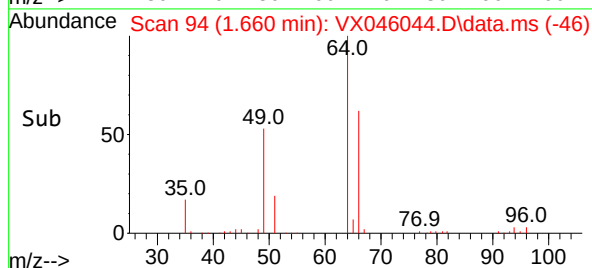
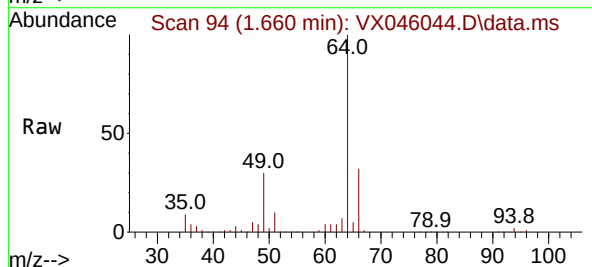
Manual Integrations
APPROVED

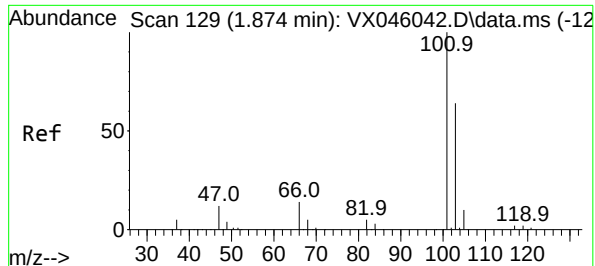
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#6
Chloroethane
Concen: 96.822 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

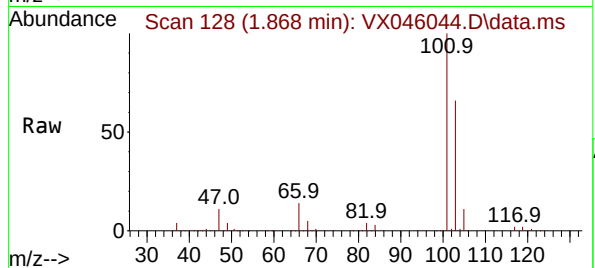
Tgt Ion: 64 Resp: 78806
Ion Ratio Lower Upper
64 100
66 31.3 24.3 36.5





#7
Trichlorofluoromethane
Concen: 101.851 ug/l
RT: 1.868 min Scan# 128
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

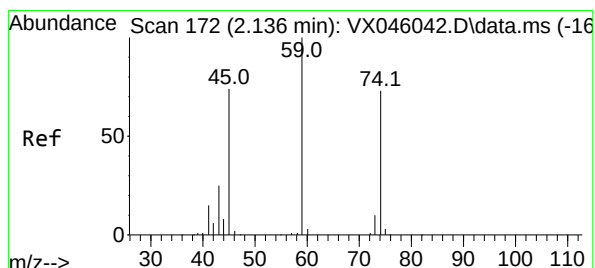
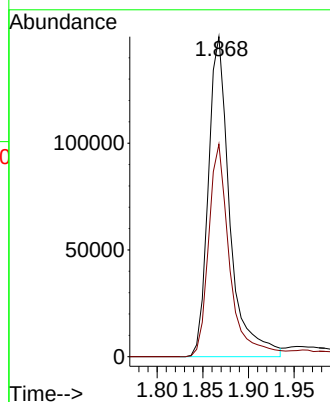
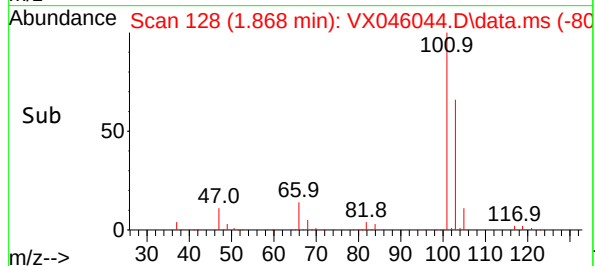
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:101 Resp: 245108
Ion Ratio Lower Upper
101 100
103 66.4 51.0 76.4

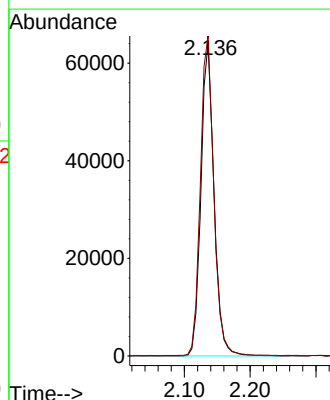
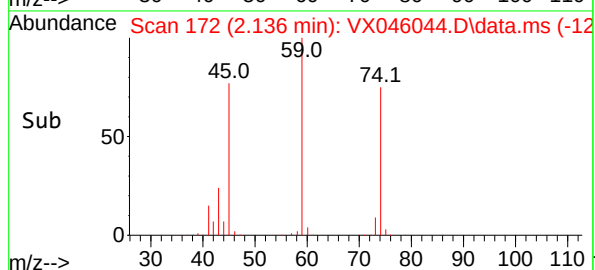
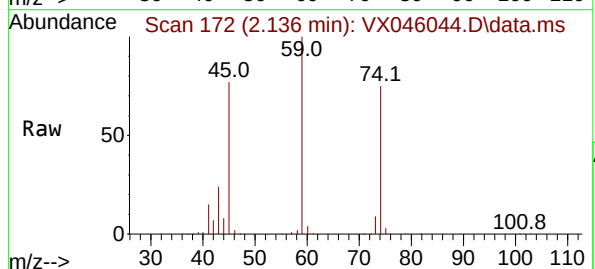
Manual Integrations
APPROVED

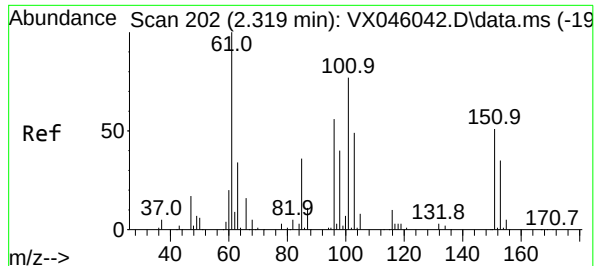
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#8
Diethyl Ether
Concen: 111.791 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 74 Resp: 88441
Ion Ratio Lower Upper
74 100
45 104.7 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 112.243 ug/l

RT: 2.313 min Scan# 202

Delta R.T. -0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:101 Resp: 161404

Ion Ratio Lower Upper

101 100

85 46.8 38.6 58.0

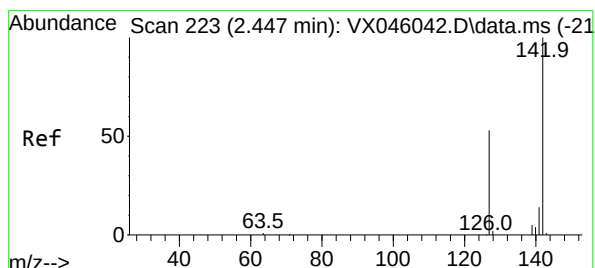
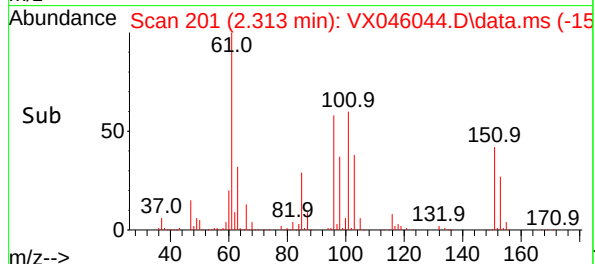
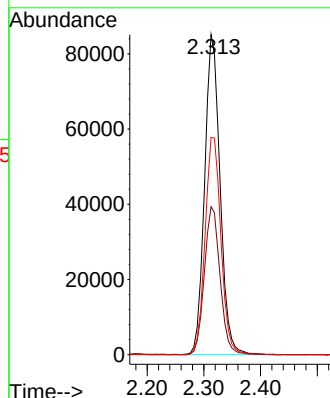
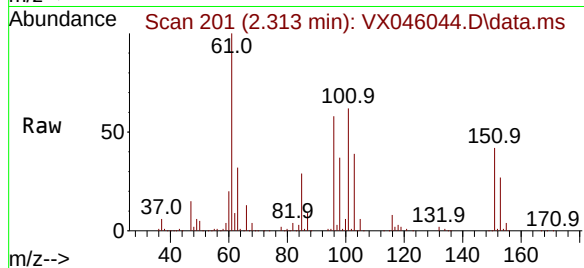
151 69.8 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#10

Methyl Iodide

Concen: 112.441 ug/l

RT: 2.441 min Scan# 222

Delta R.T. -0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

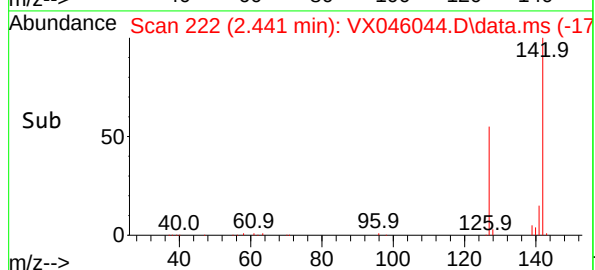
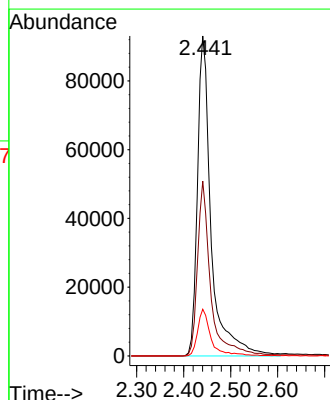
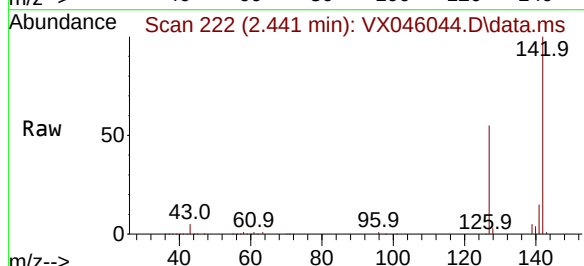
Tgt Ion:142 Resp: 189843

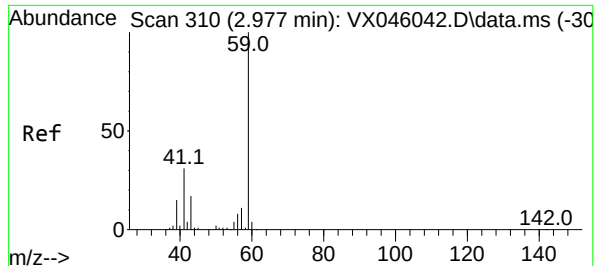
Ion Ratio Lower Upper

142 100

127 52.4 41.7 62.5

141 14.4 11.5 17.3





#11

Tert butyl alcohol

Concen: 616.119 ug/l

RT: 3.002 min Scan# 310

Delta R.T. 0.024 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 181238

Ion Ratio Lower Upper

59 100

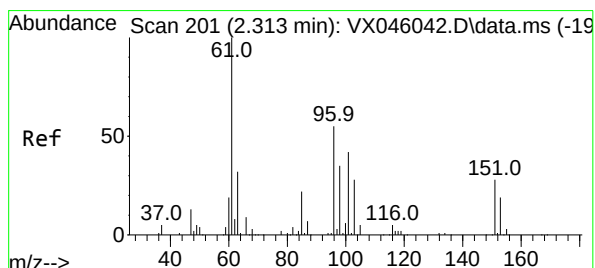
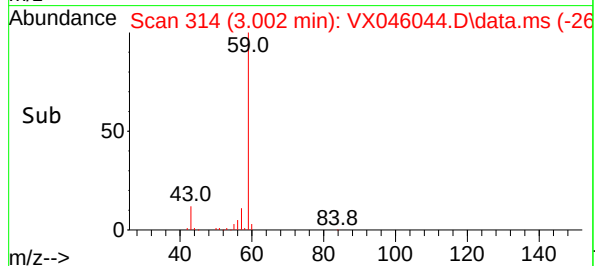
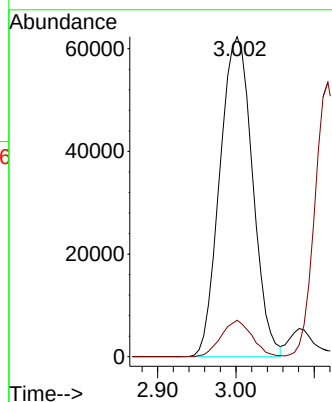
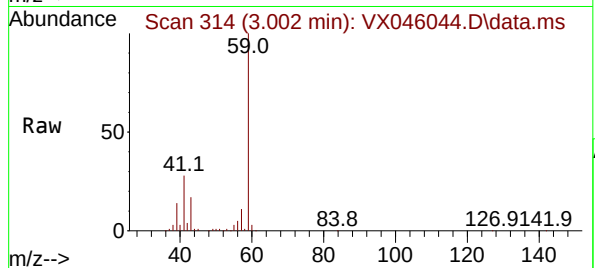
57 10.8 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#12

1,1-Dichloroethene

Concen: 111.039 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

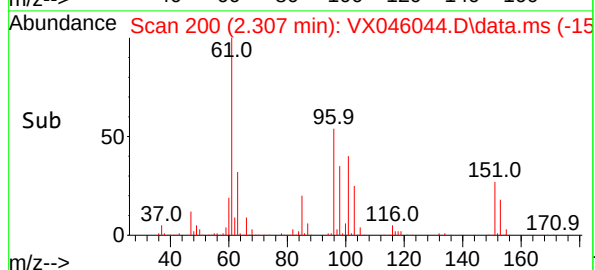
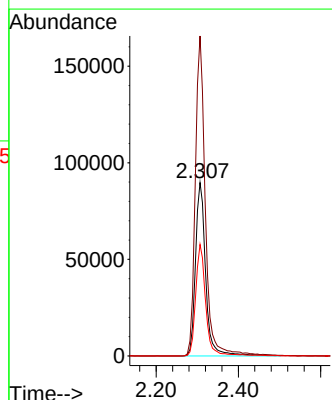
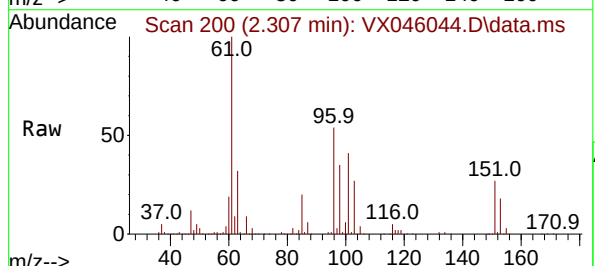
Tgt Ion: 96 Resp: 155451

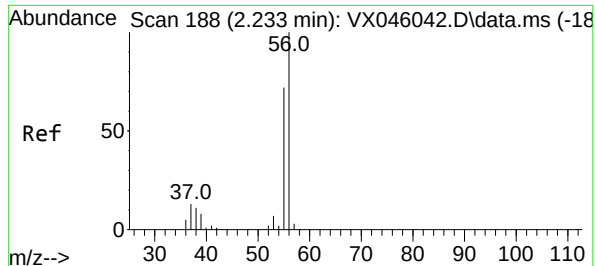
Ion Ratio Lower Upper

96 100

61 184.5 146.2 219.2

98 64.3 51.0 76.6





#13

Acrolein

Concen: 594.872 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 20325

Ion Ratio Lower Upper

56 100

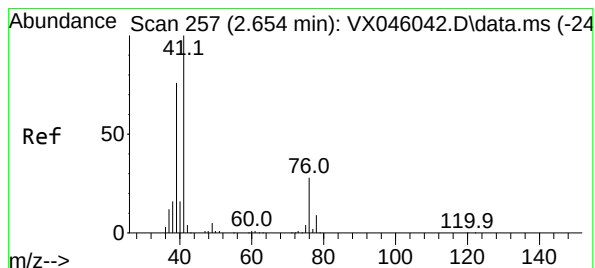
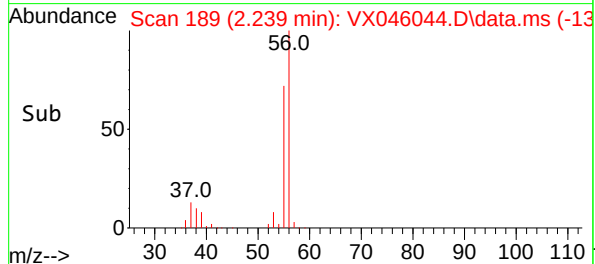
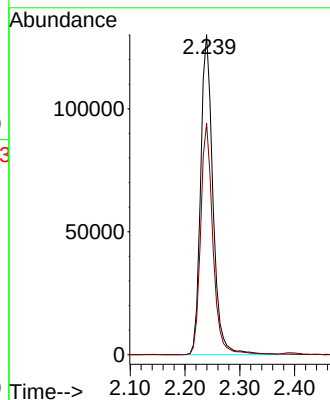
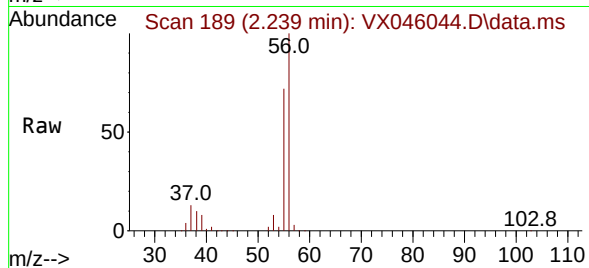
55 72.1 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#14

Allyl chloride

Concen: 112.561 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

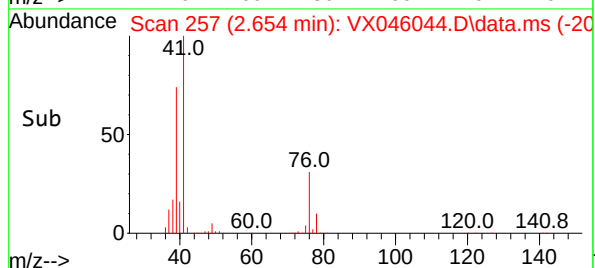
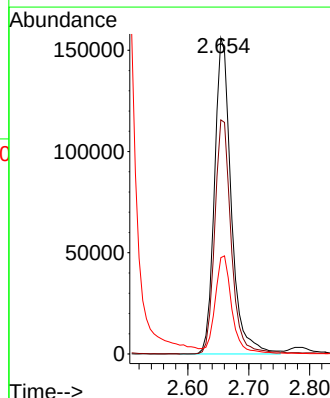
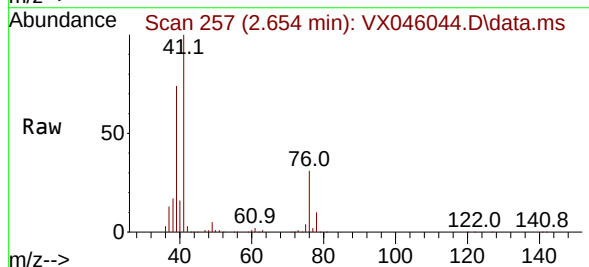
Tgt Ion: 41 Resp: 297776

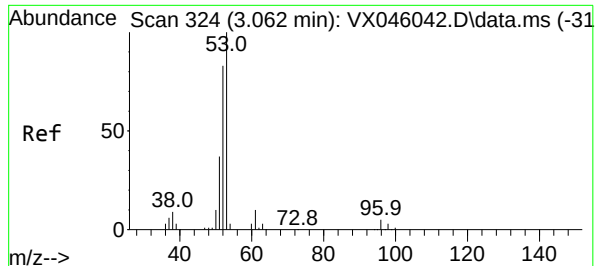
Ion Ratio Lower Upper

41 100

39 73.7 60.6 90.8

76 31.8 24.9 37.3





#15

Acrylonitrile

Concen: 550.973 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

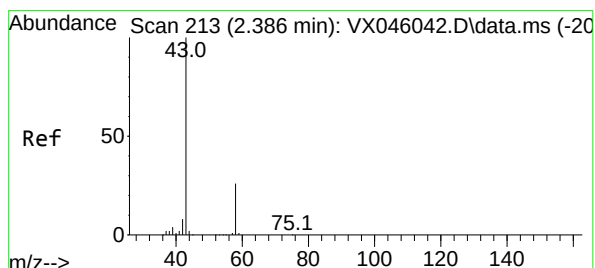
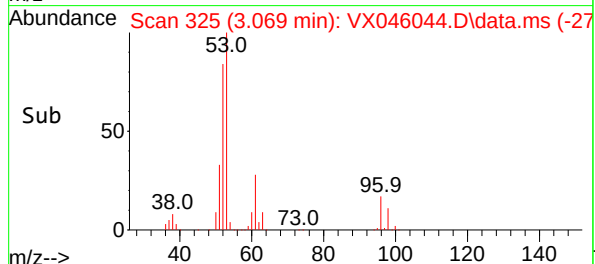
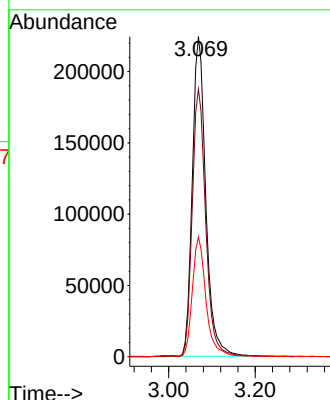
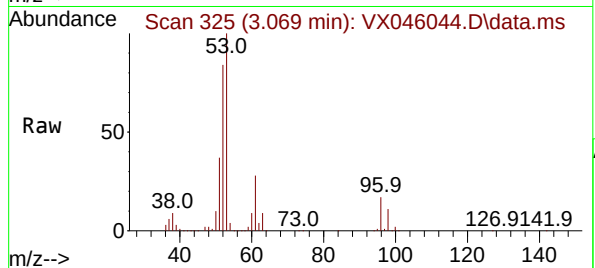
VSTDICC150

Tgt Ion:	53	Resp:	484854
Ion	Ratio	Lower	Upper
53	100		
52	84.2	65.3	97.9
51	37.5	29.8	44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#16

Acetone

Concen: 545.754 ug/l

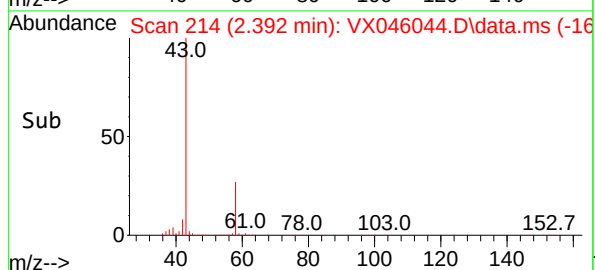
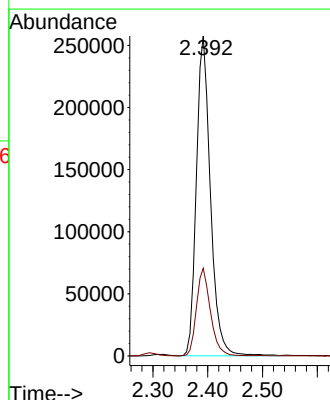
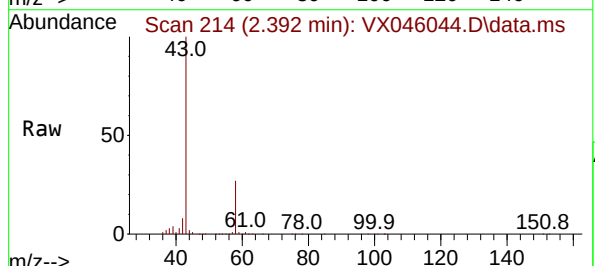
RT: 2.392 min Scan# 214

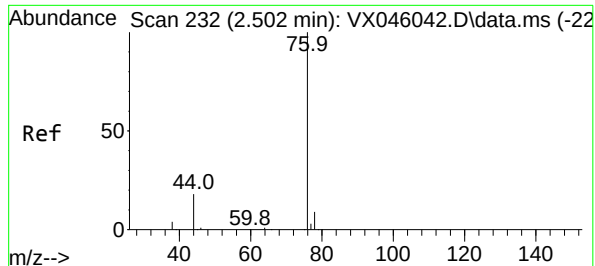
Delta R.T. 0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Tgt Ion:	43	Resp:	460820
Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8





#17

Carbon Disulfide

Concen: 122.499 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 39735

Ion Ratio Lower Upper

76 100

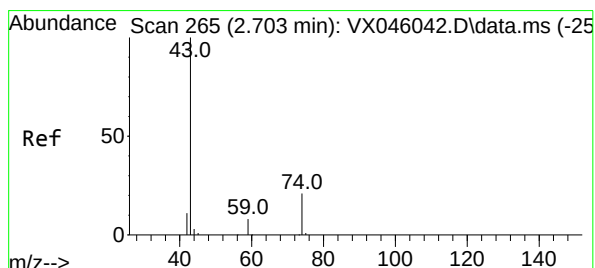
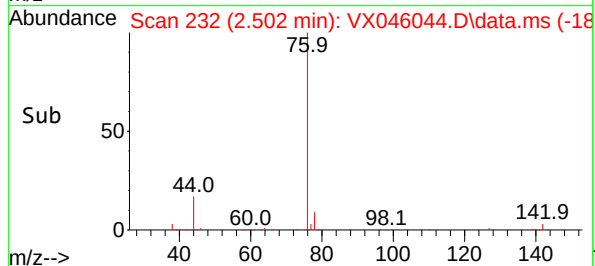
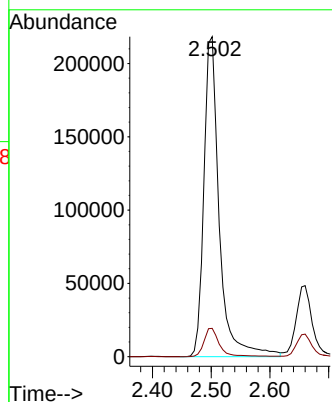
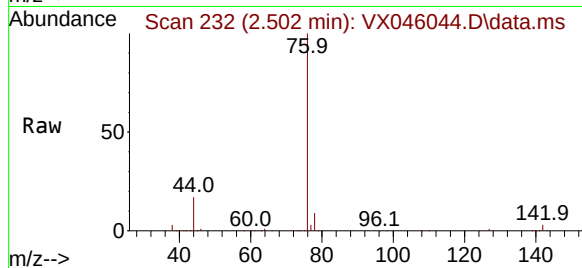
78 8.8 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#18

Methyl Acetate

Concen: 108.099 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX046044.D

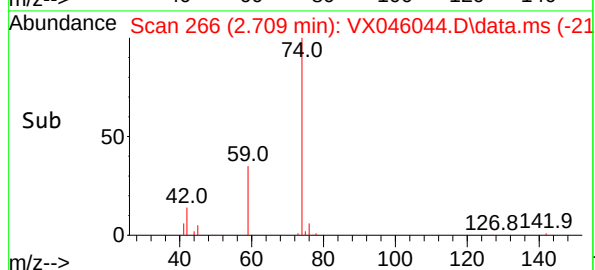
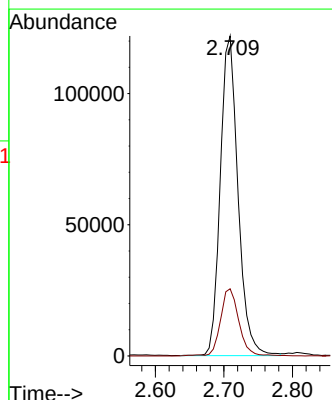
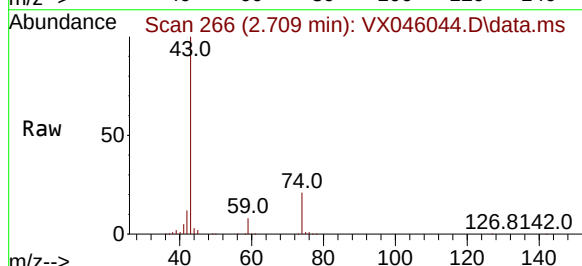
Acq: 05 May 2025 12:45

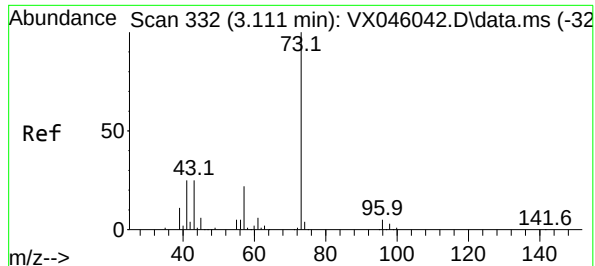
Tgt Ion: 43 Resp: 217885

Ion Ratio Lower Upper

43 100

74 21.9 16.7 25.1





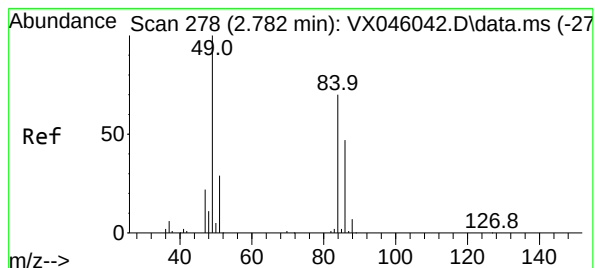
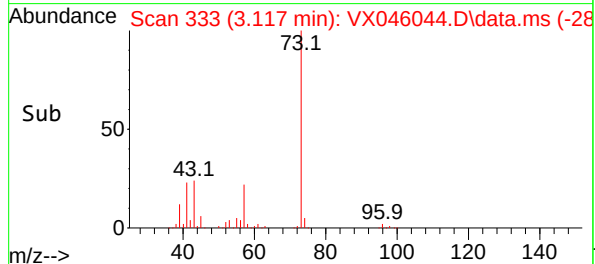
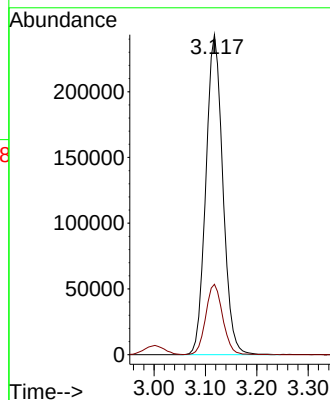
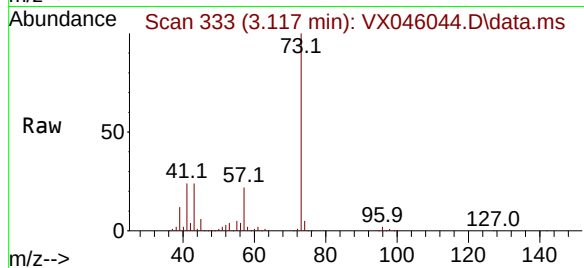
#19
Methyl tert-butyl Ether
Concen: 114.112 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 73 Resp: 557210
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5

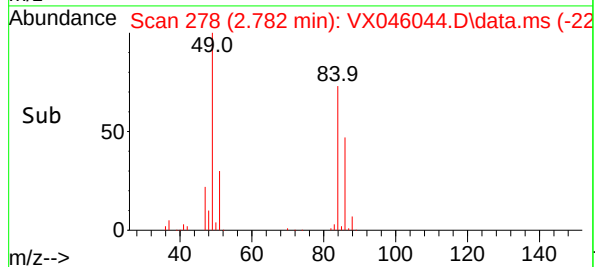
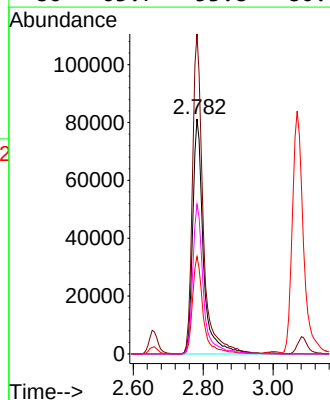
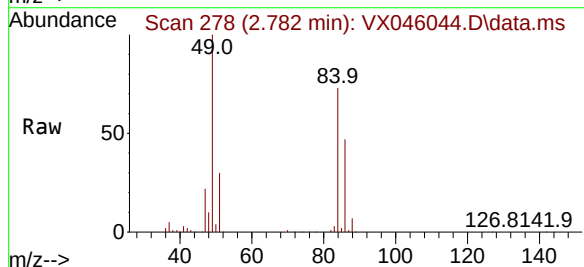
Manual Integrations
APPROVED

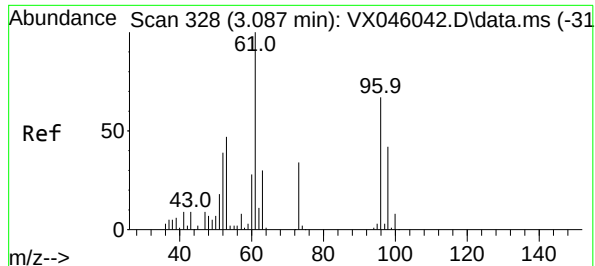
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#20
Methylene Chloride
Concen: 100.579 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

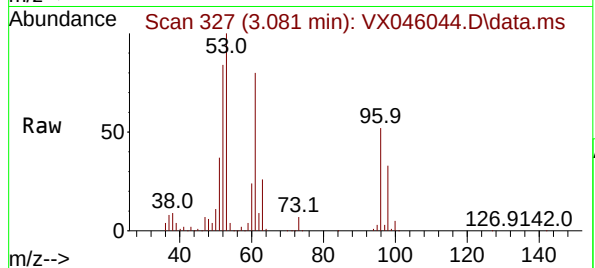
Tgt Ion: 84 Resp: 172035
Ion Ratio Lower Upper
84 100
49 136.0 113.9 170.9
51 41.5 33.5 50.3
86 63.7 53.8 80.8





#21
trans-1,2-Dichloroethene
Concen: 108.241 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

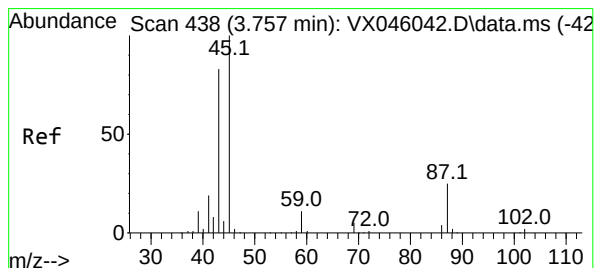
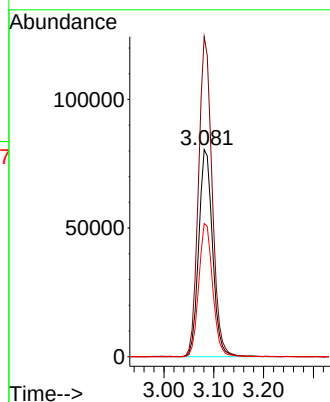
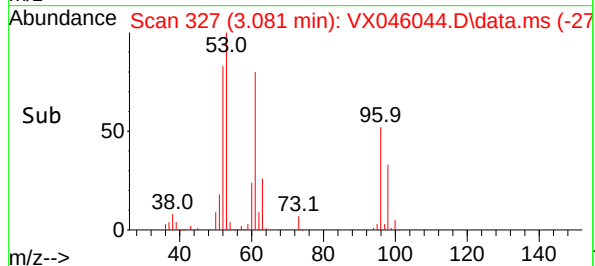
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 96 Resp: 154694
Ion Ratio Lower Upper
96 100
61 154.6 119.5 179.3
98 64.3 50.0 75.0

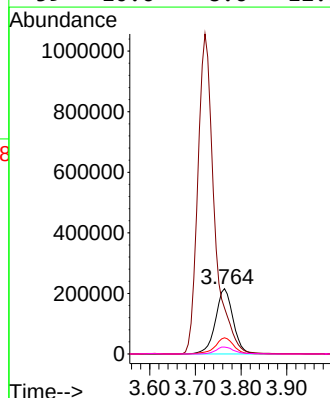
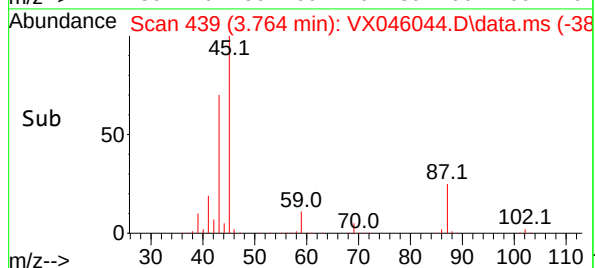
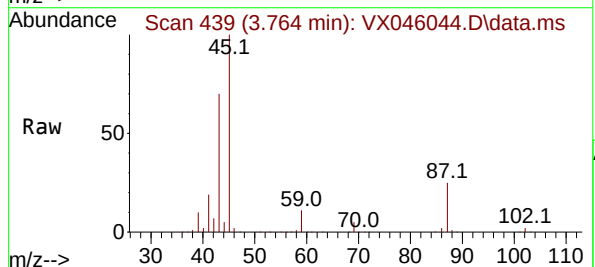
Manual Integrations
APPROVED

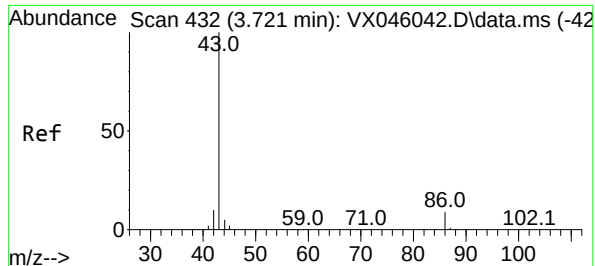
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#22
Diisopropyl ether
Concen: 116.858 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

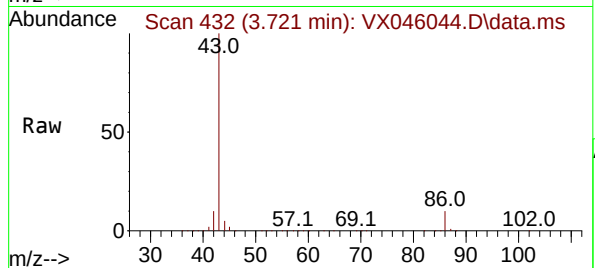
Tgt Ion: 45 Resp: 577610
Ion Ratio Lower Upper
45 100
43 70.3 66.6 100.0
87 24.7 19.8 29.6
59 10.6 8.6 12.8





#23
Vinyl Acetate
Concen: 608.005 ug/l
RT: 3.721 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

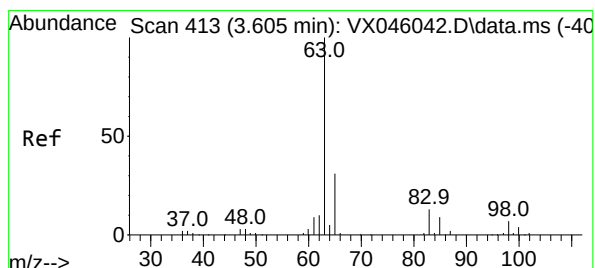
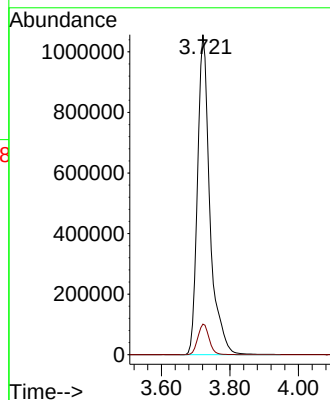
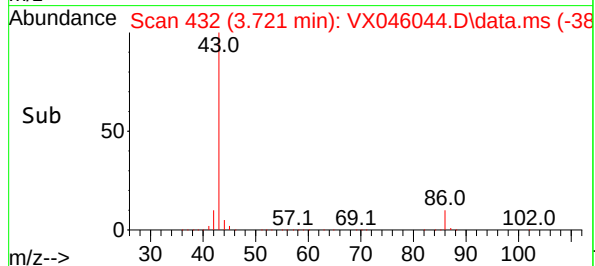
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



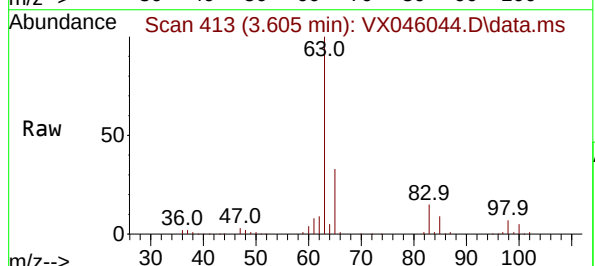
Tgt Ion: 43 Resp: 265575
Ion Ratio Lower Upper
43 100
86 9.6 7.5 11.3

Manual Integrations
APPROVED

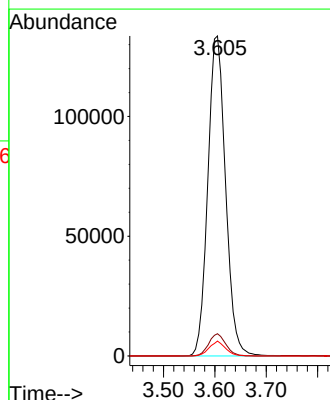
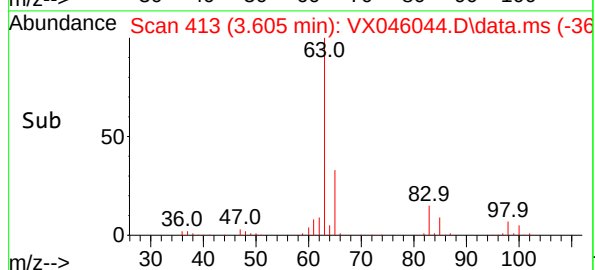
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

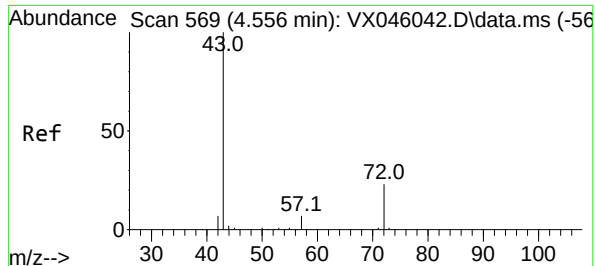


#24
1,1-Dichloroethane
Concen: 110.182 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45



Tgt Ion: 63 Resp: 320083
Ion Ratio Lower Upper
63 100
98 7.0 3.6 10.8
100 4.7 2.1 6.3





#25

2-Butanone

Concen: 581.292 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 70846

Ion Ratio Lower Upper

43 100

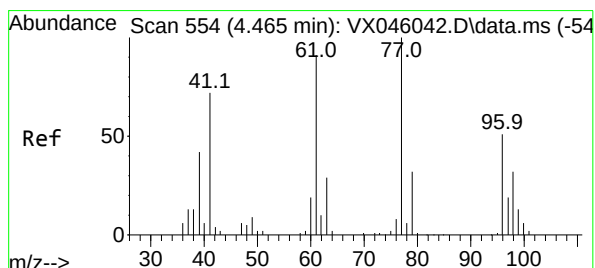
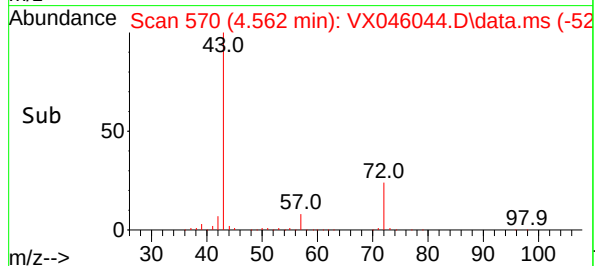
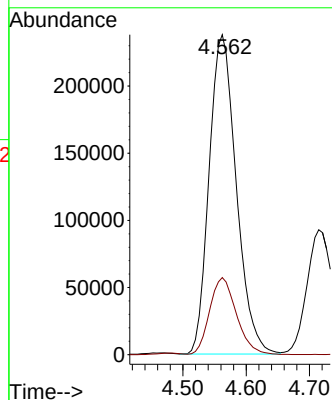
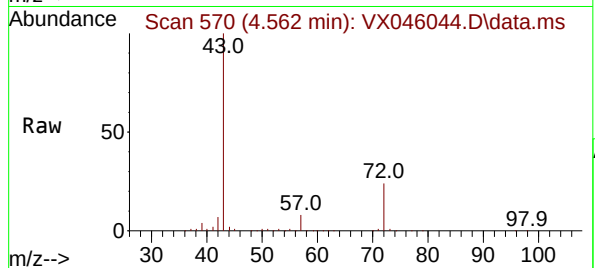
72 24.0 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#26

2,2-Dichloropropane

Concen: 117.548 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX046044.D

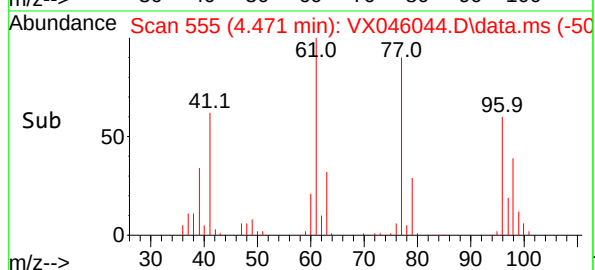
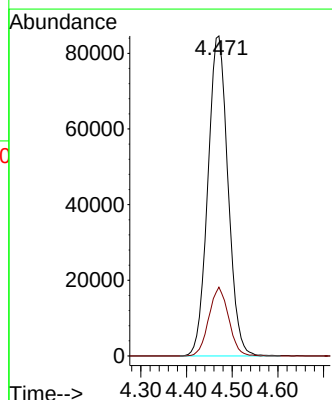
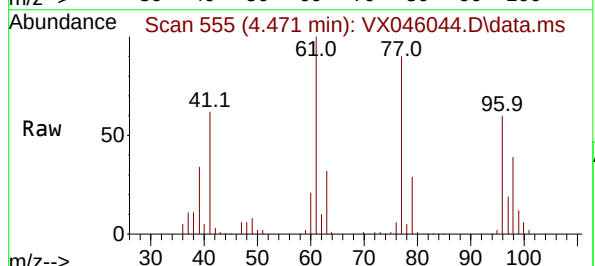
Acq: 05 May 2025 12:45

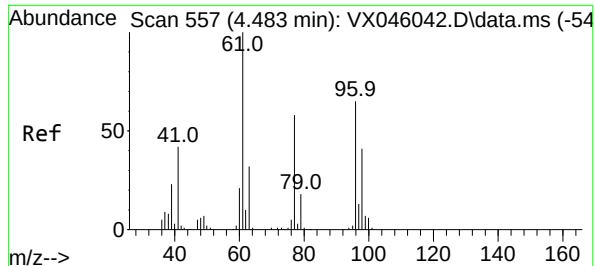
Tgt Ion: 77 Resp: 258698

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 108.994 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 18783

Ion Ratio Lower Upper

96 100

61 159.8 0.0 322.8

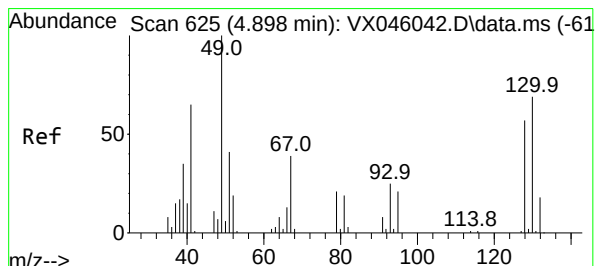
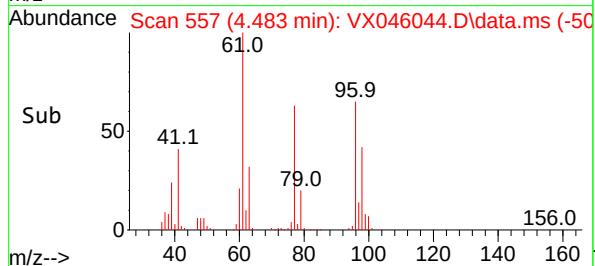
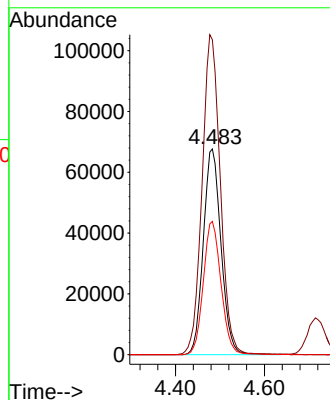
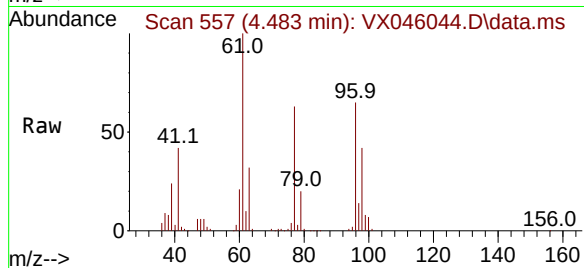
98 64.8 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#28

Bromochloromethane

Concen: 95.108 ug/l

RT: 4.898 min Scan# 625

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

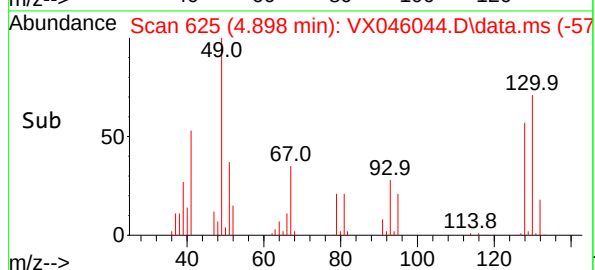
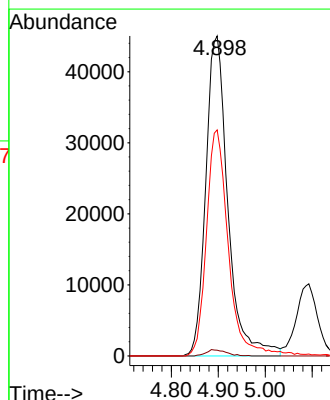
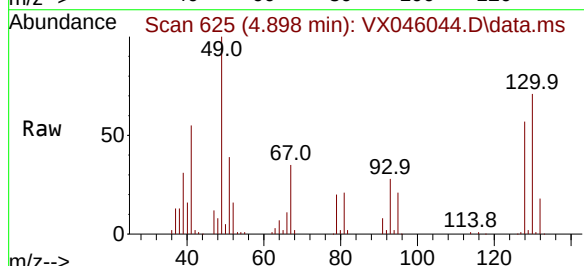
Tgt Ion: 49 Resp: 146923

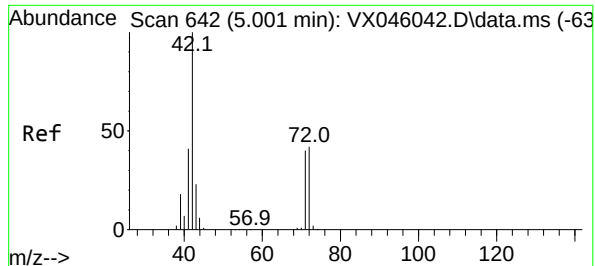
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.0

130 70.5 56.2 84.2





#29

Tetrahydrofuran

Concen: 569.081 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 450450

Ion Ratio Lower Upper

42 100

72 41.6 33.7 50.5

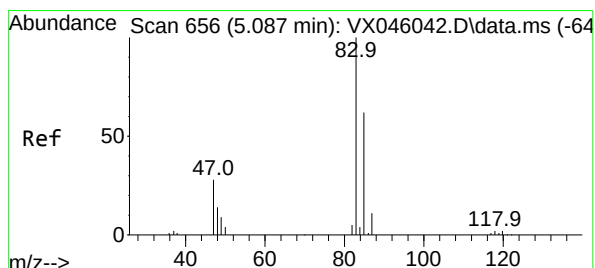
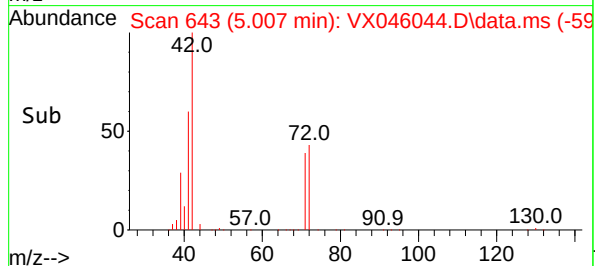
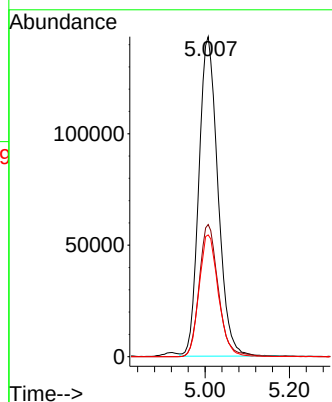
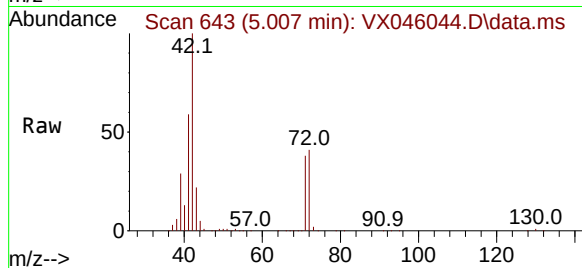
71 38.7 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#30

Chloroform

Concen: 107.208 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX046044.D

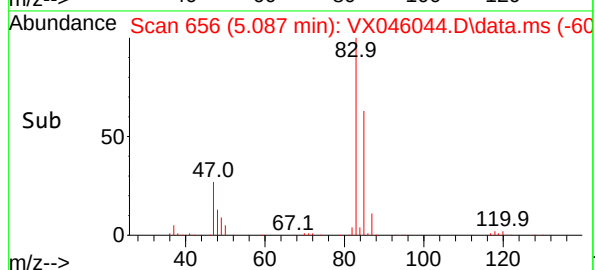
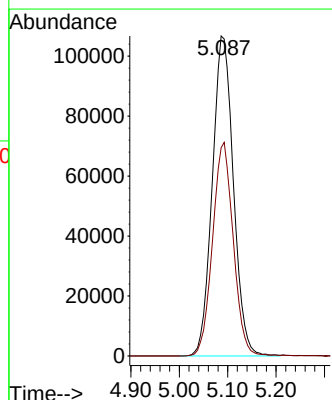
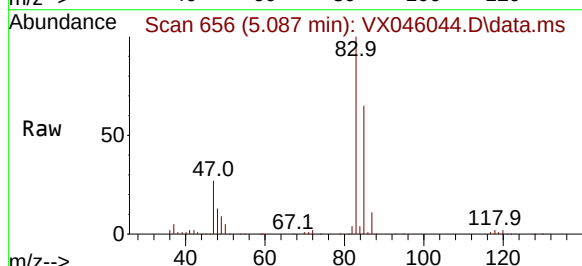
Acq: 05 May 2025 12:45

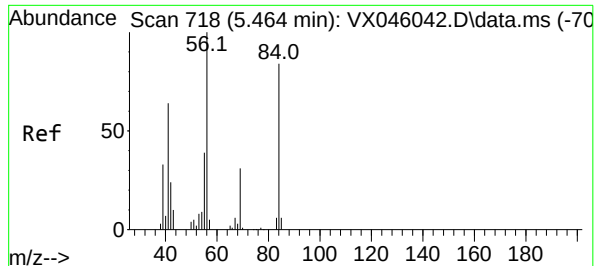
Tgt Ion: 83 Resp: 323659

Ion Ratio Lower Upper

83 100

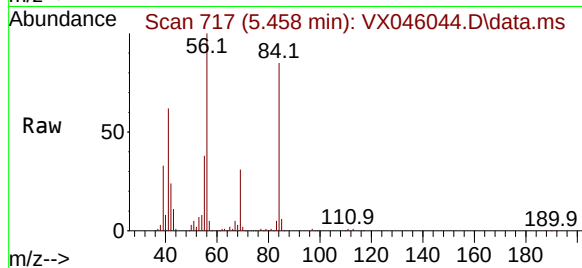
85 65.1 49.3 73.9





#31
Cyclohexane
Concen: 116.934 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

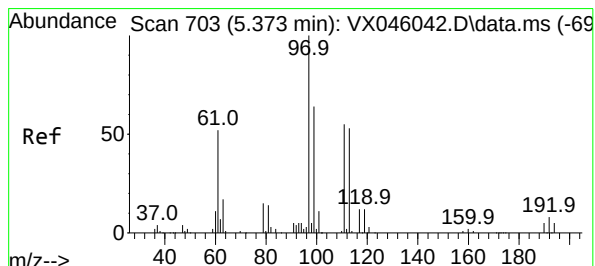
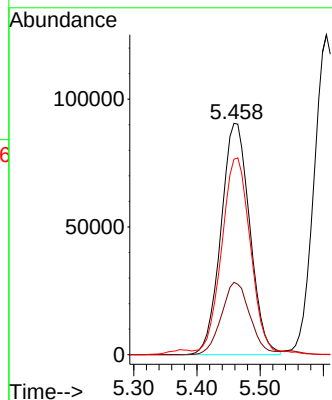
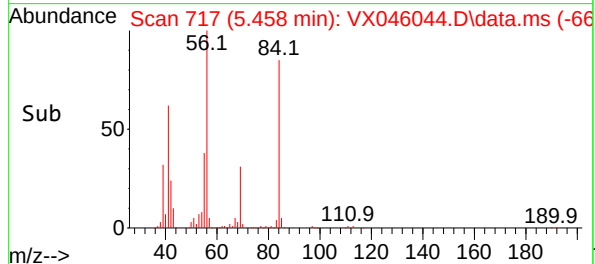
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 56 Resp: 286312
Ion Ratio Lower Upper
56 100
69 31.2 24.4 36.6
84 82.8 66.9 100.3

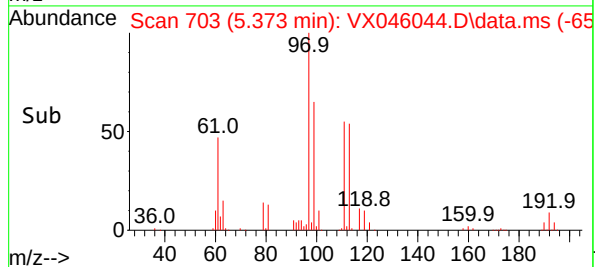
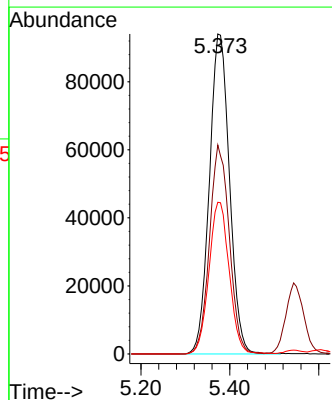
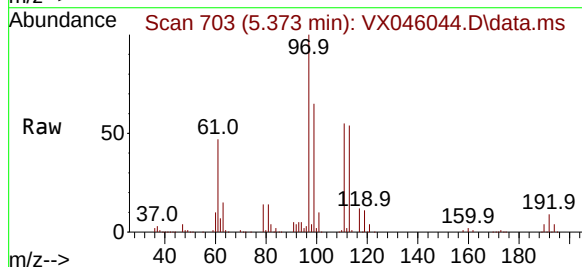
Manual Integrations
APPROVED

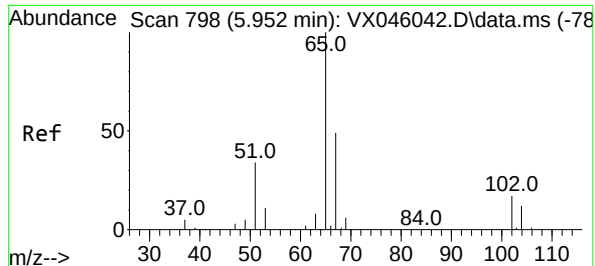
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#32
1,1,1-Trichloroethane
Concen: 113.572 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 97 Resp: 295702
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 48.0 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 93.983 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 231952

Ion Ratio Lower Upper

65 100

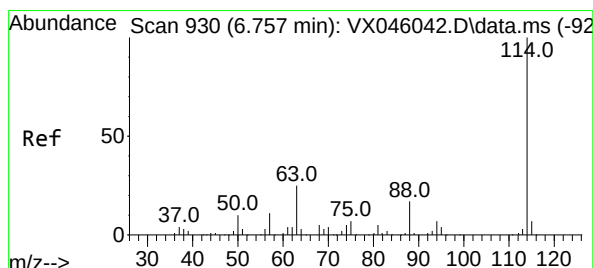
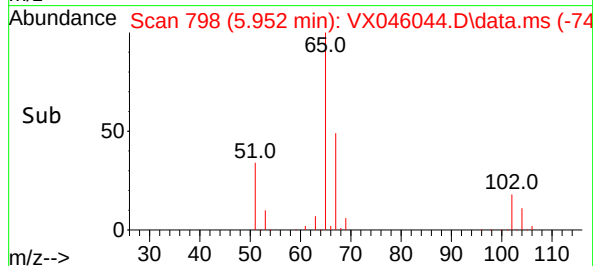
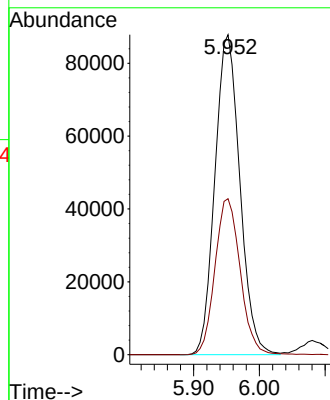
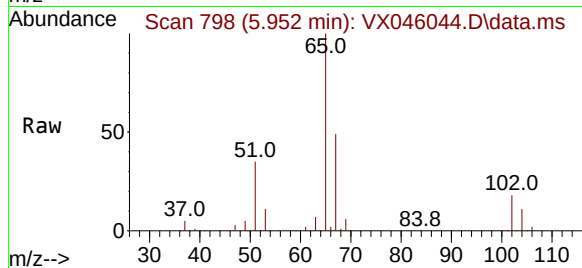
67 49.4 0.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

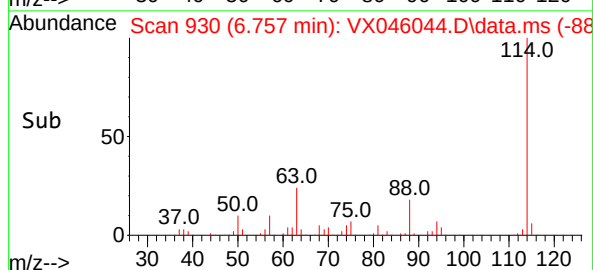
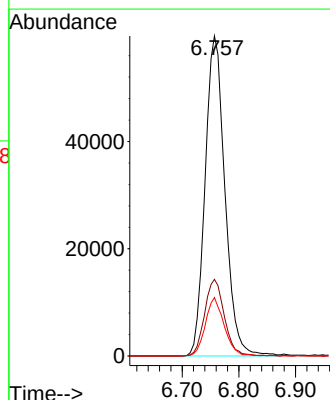
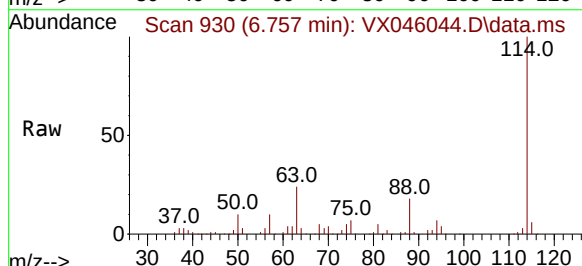
Tgt Ion:114 Resp: 144975

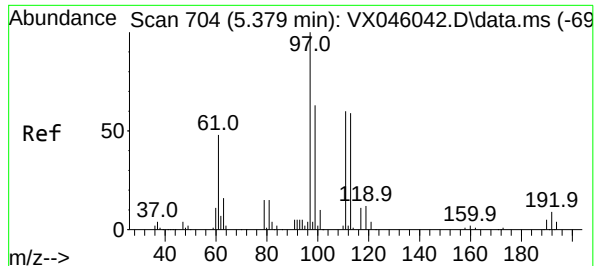
Ion Ratio Lower Upper

114 100

63 23.9 0.0 49.2

88 18.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 98.562 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046044.D

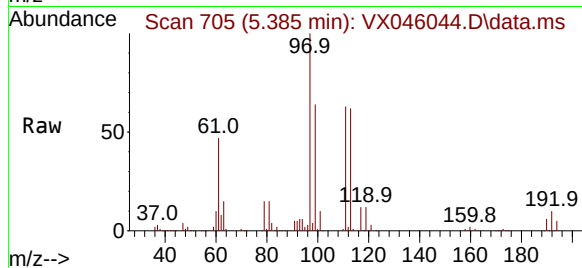
Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150



Tgt Ion: 113 Resp: 16016

Ion Ratio Lower Upper

113 100

111 103.0 83.1 124.7

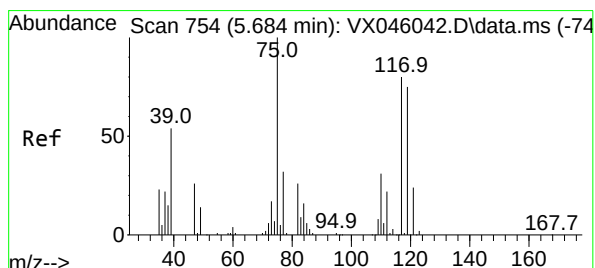
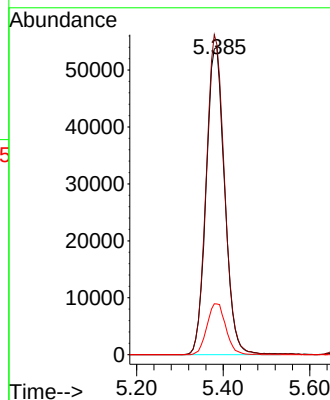
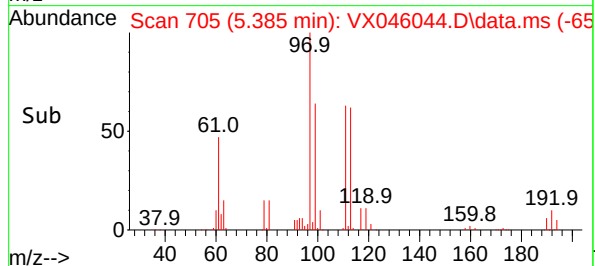
192 16.9 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#36

1,1-Dichloropropene

Concen: 116.462 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

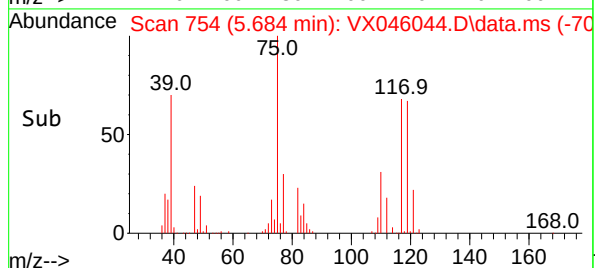
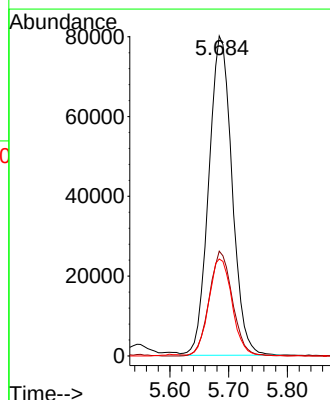
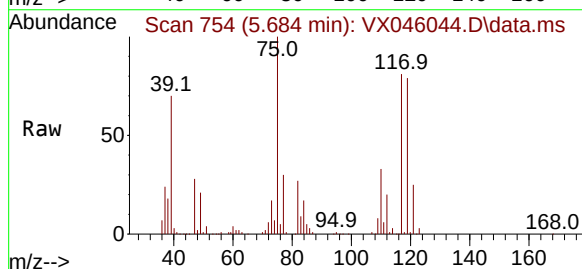
Tgt Ion: 75 Resp: 219731

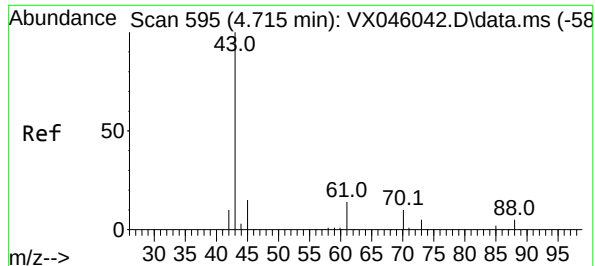
Ion Ratio Lower Upper

75 100

110 32.9 16.3 48.9

77 30.8 24.3 36.5





#37

Ethyl Acetate

Concen: 115.889 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 274312

Ion Ratio Lower Upper

43 100

61 12.5 10.3 15.5

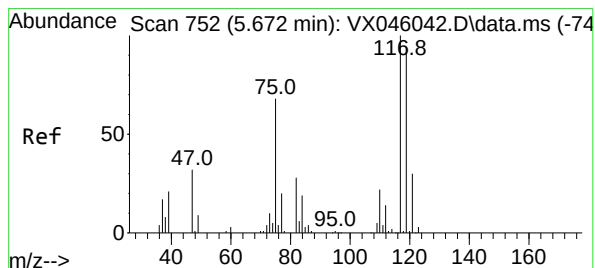
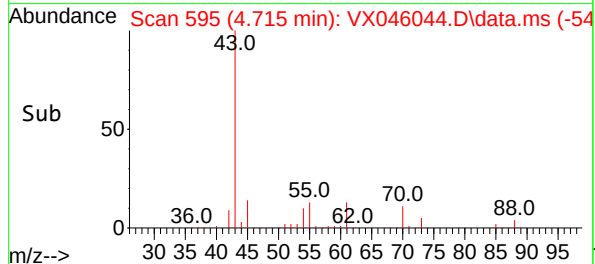
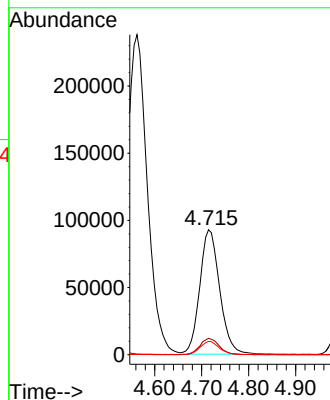
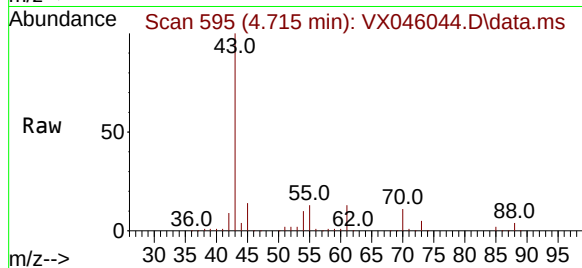
70 10.2 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#38

Carbon Tetrachloride

Concen: 115.760 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

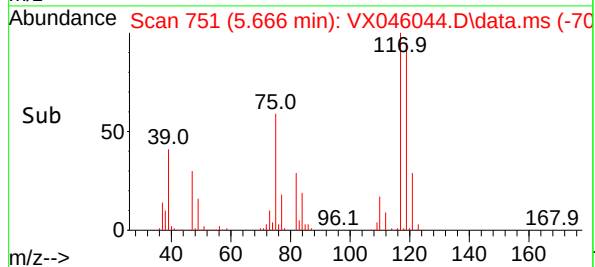
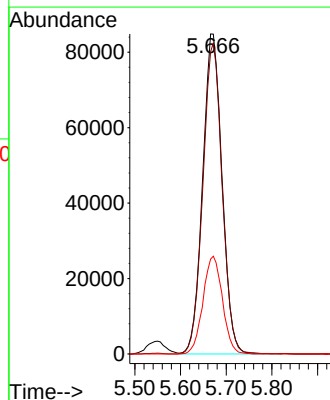
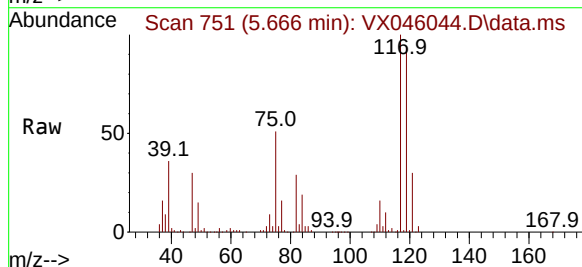
Tgt Ion:117 Resp: 250916

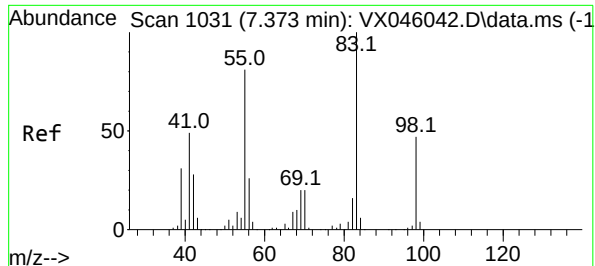
Ion Ratio Lower Upper

117 100

119 94.3 75.2 112.8

121 29.7 24.2 36.4





#39

Methylcyclohexane

Concen: 121.107 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 28631

Ion Ratio Lower Upper

83 100

55 83.8 64.7 97.1

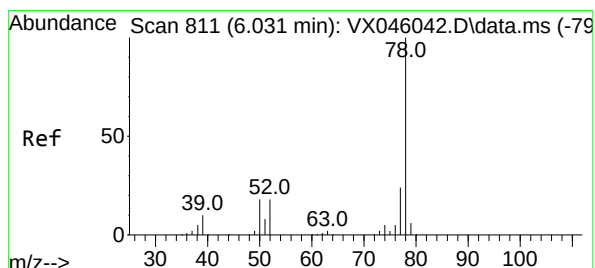
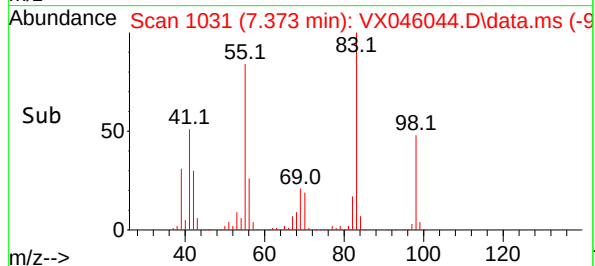
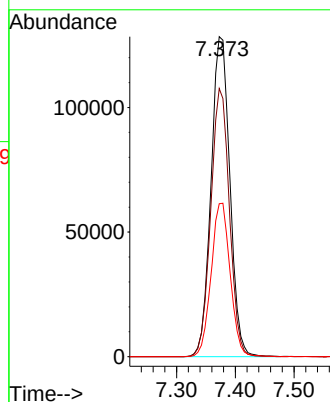
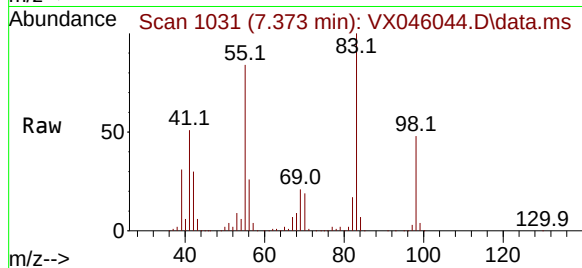
98 47.8 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#40

Benzene

Concen: 109.813 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX046044.D

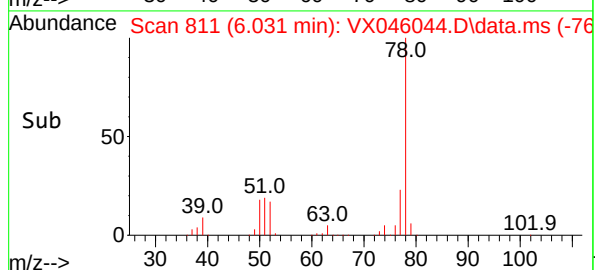
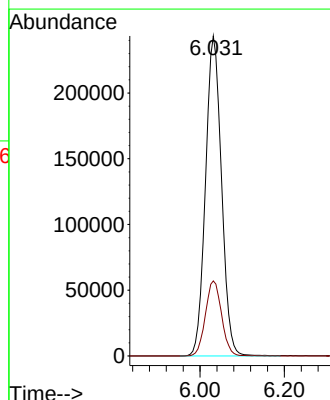
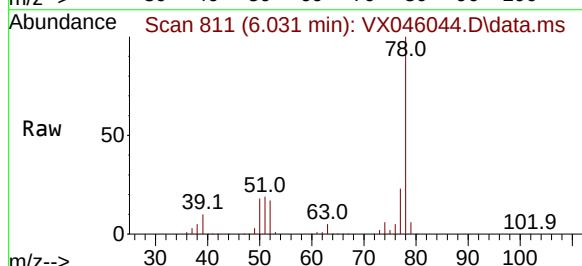
Acq: 05 May 2025 12:45

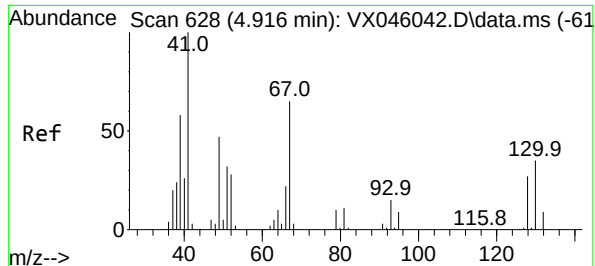
Tgt Ion: 78 Resp: 642178

Ion Ratio Lower Upper

78 100

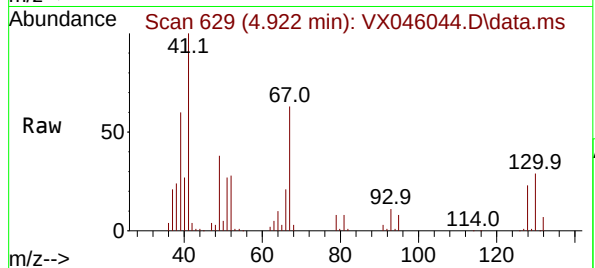
77 23.4 19.0 28.4





#41
Methacrylonitrile
Concen: 115.139 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

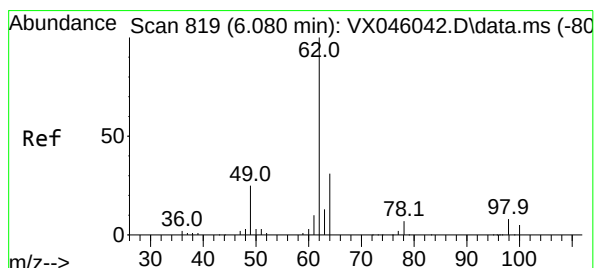
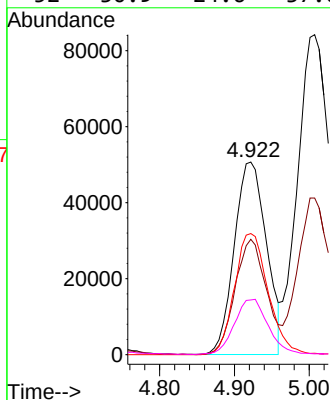
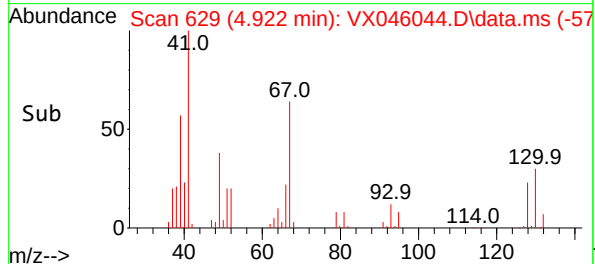
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 41 Resp: 151424
Ion Ratio Lower Upper
41 100
39 60.0 47.2 70.8
67 65.9 50.7 76.1
52 30.9 24.6 37.0

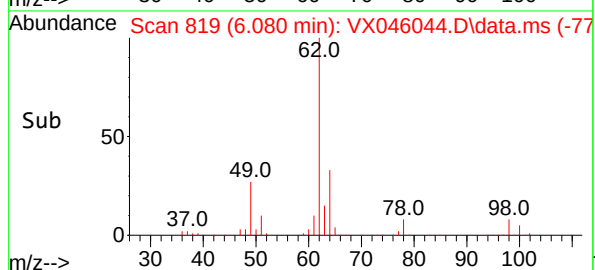
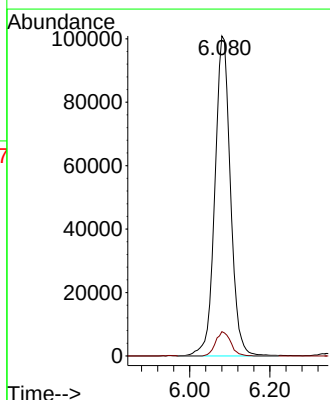
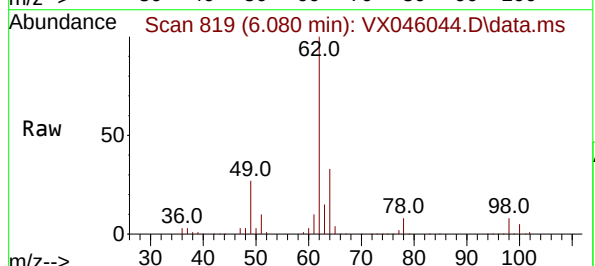
Manual Integrations
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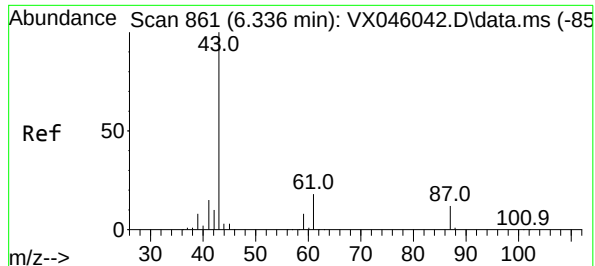
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#42
1,2-Dichloroethane
Concen: 112.492 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

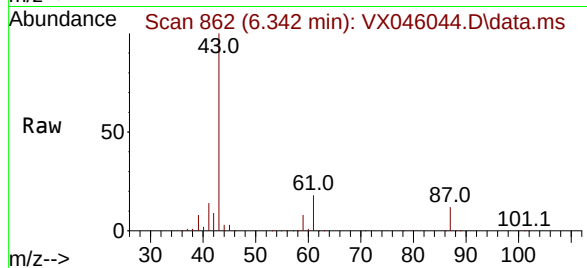
Tgt Ion: 62 Resp: 271992
Ion Ratio Lower Upper
62 100
98 7.4 0.0 15.2





#43
Isopropyl Acetate
Concen: 123.780 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

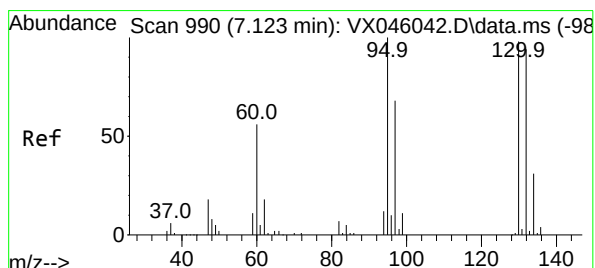
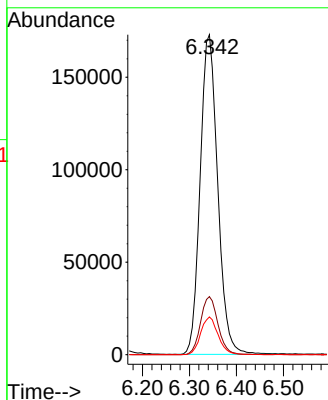
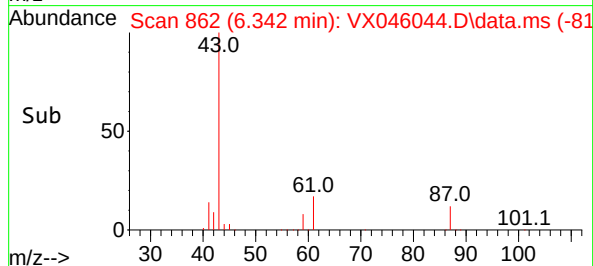
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 43 Resp: 44787
Ion Ratio Lower Upper
43 100
61 18.1 14.3 21.5
87 11.7 9.5 14.3

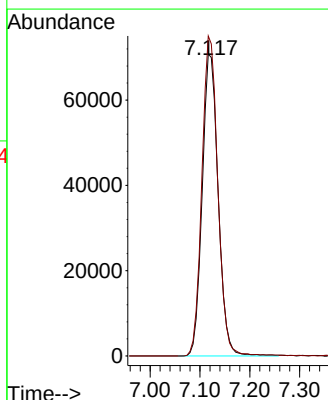
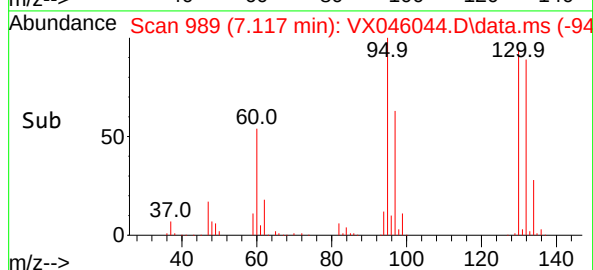
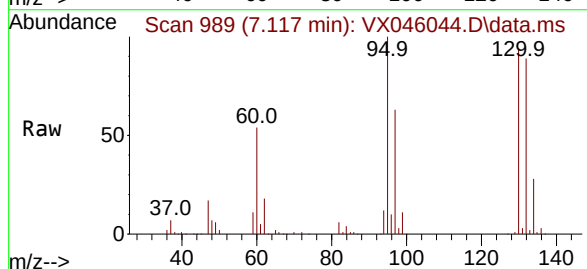
Manual Integrations
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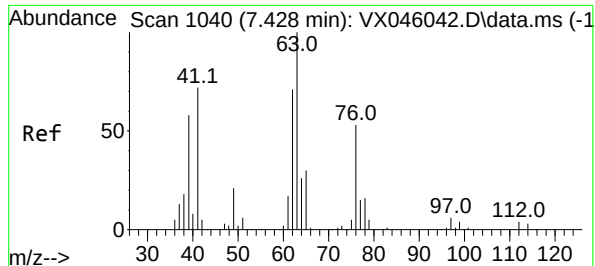
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#44
Trichloroethene
Concen: 114.032 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:130 Resp: 157641
Ion Ratio Lower Upper
130 100
95 105.9 0.0 204.2





#45

1,2-Dichloropropane

Concen: 113.217 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 16450

Ion Ratio Lower Upper

63 100

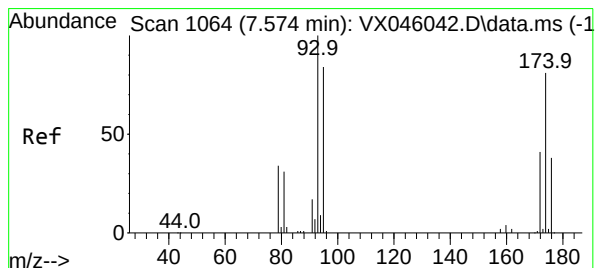
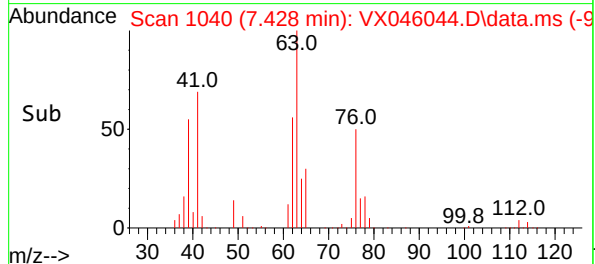
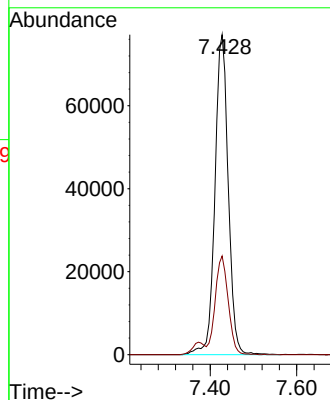
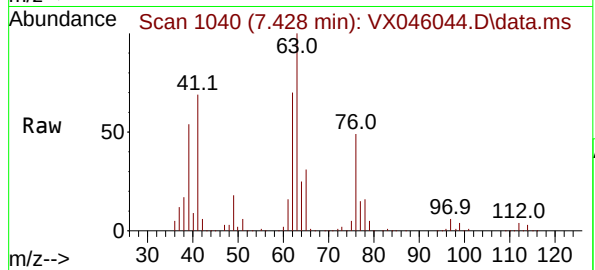
65 30.8 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#46

Dibromomethane

Concen: 109.869 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

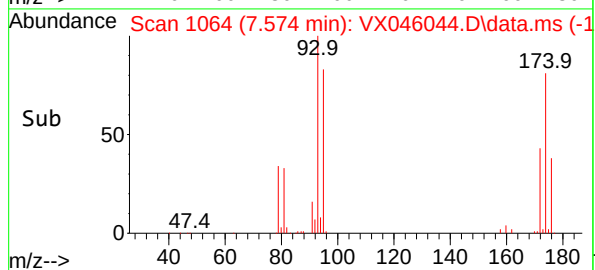
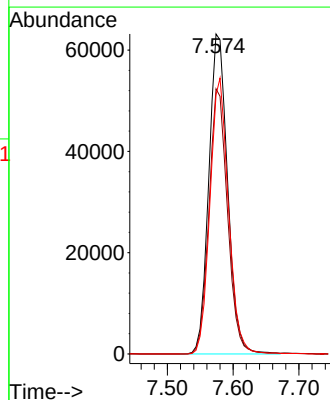
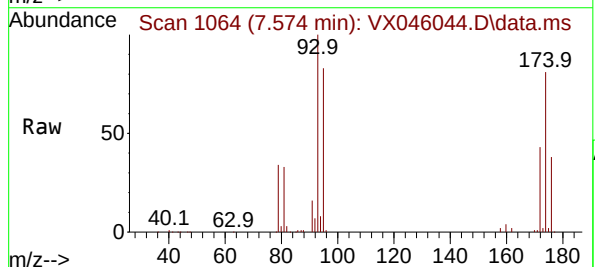
Tgt Ion: 93 Resp: 125846

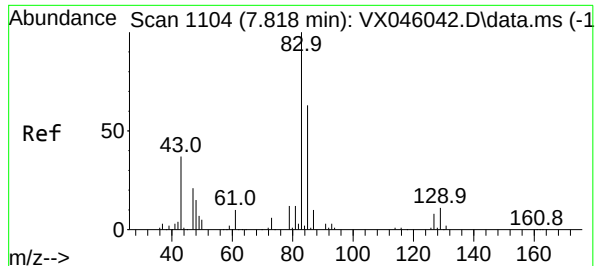
Ion Ratio Lower Upper

93 100

95 82.4 65.6 98.4

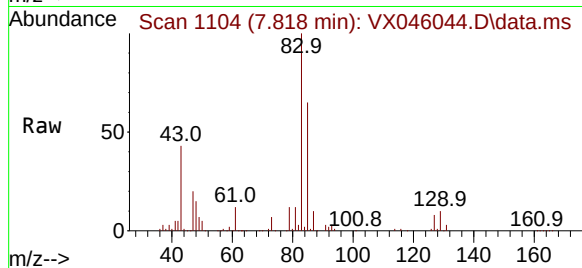
174 85.0 68.2 102.2





#47
Bromodichloromethane
Concen: 116.365 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

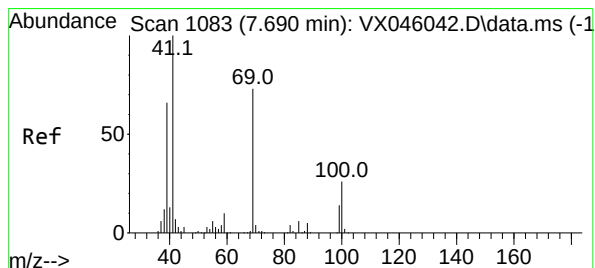
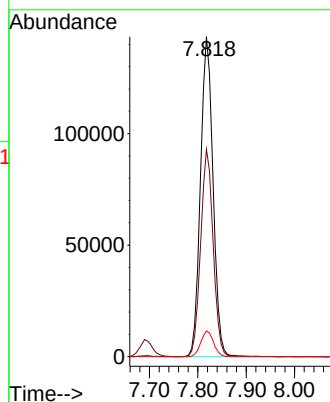
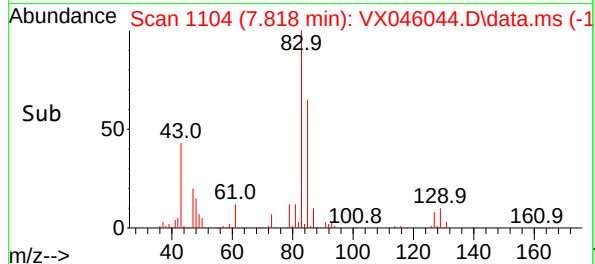
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 83 Resp: 258320
Ion Ratio Lower Upper
83 100
85 64.8 50.5 75.7
127 8.0 6.5 9.7

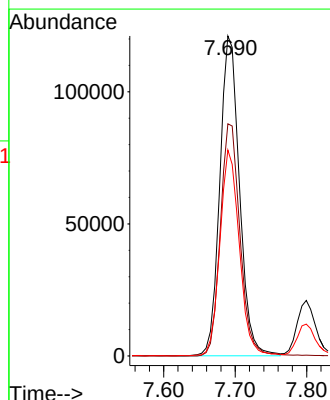
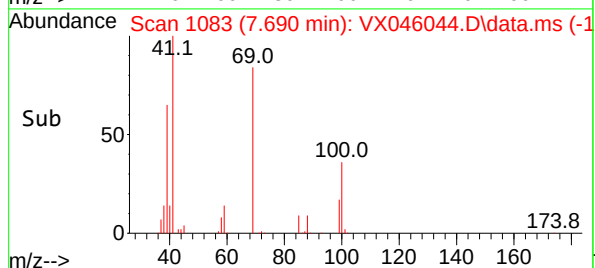
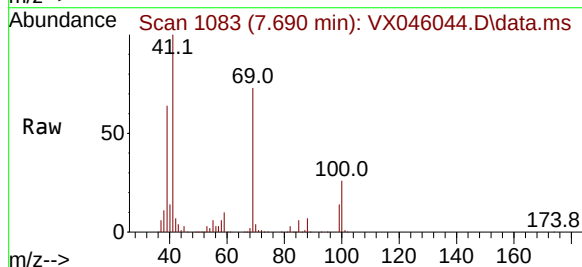
Manual Integrations
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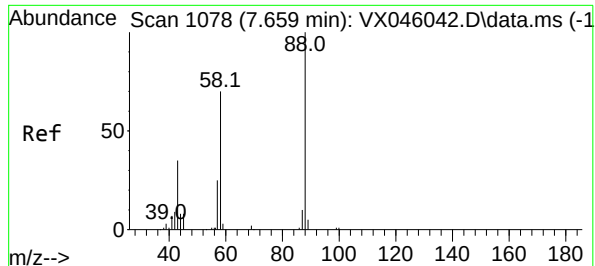
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#48
Methyl methacrylate
Concen: 124.356 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 231040
Ion Ratio Lower Upper
41 100
69 73.0 58.5 87.7
39 63.8 51.7 77.5





#49

1,4-Dioxane

Concen: 2241.695 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 88 Resp: 82800

Ion Ratio Lower Upper

88 100

43 40.0 33.4 50.2

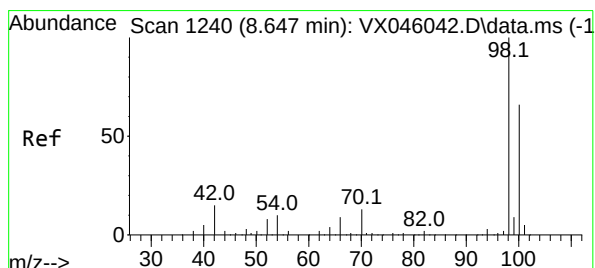
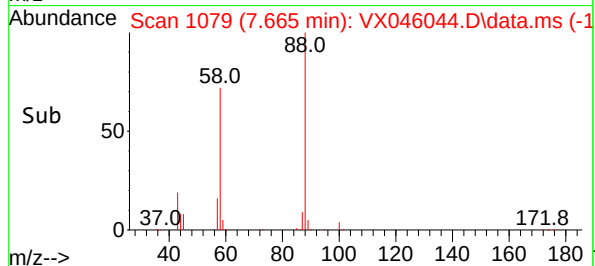
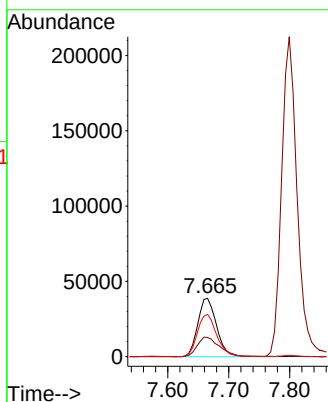
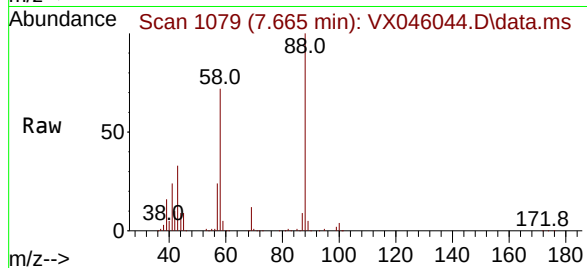
58 74.8 58.6 88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#50

Toluene-d8

Concen: 101.252 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046044.D

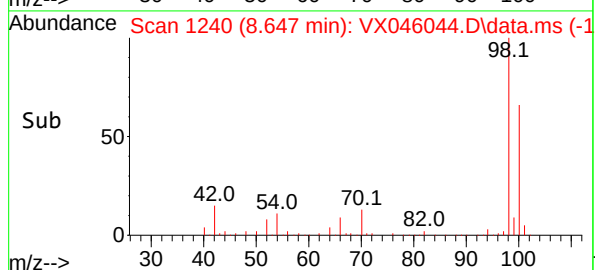
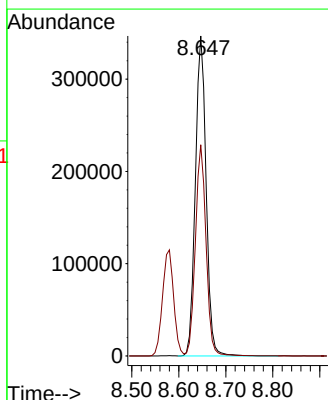
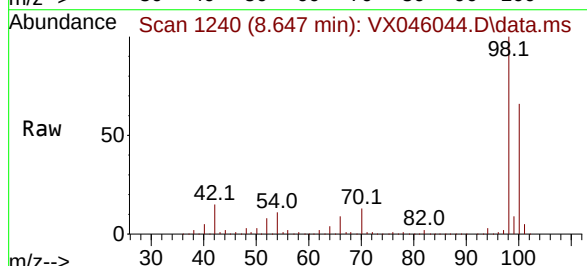
Acq: 05 May 2025 12:45

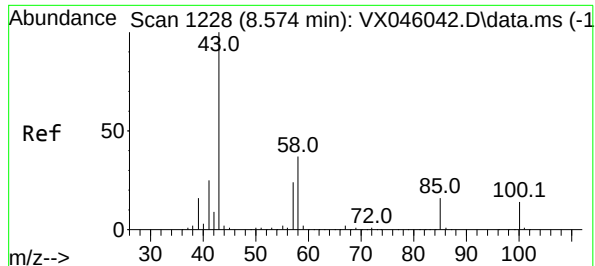
Tgt Ion: 98 Resp: 554390

Ion Ratio Lower Upper

98 100

100 65.4 53.5 80.3





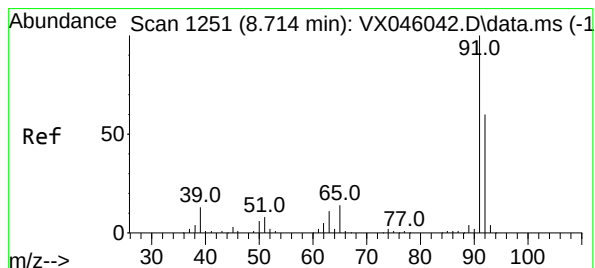
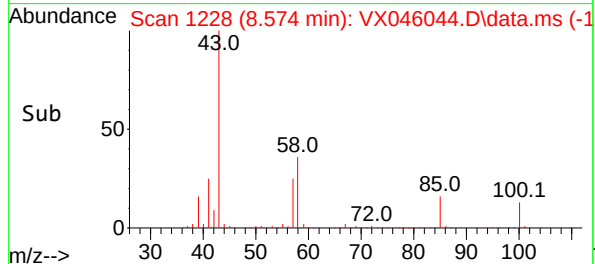
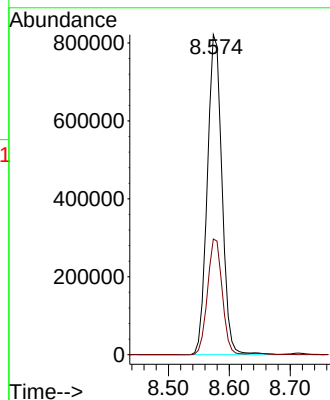
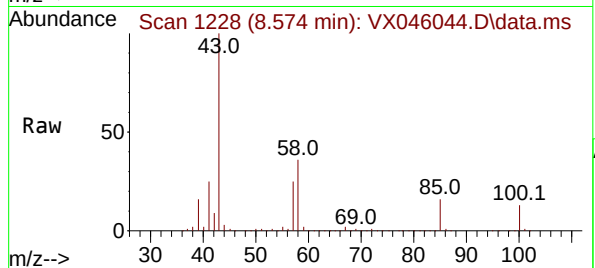
#51
4-Methyl-2-Pentanone
Concen: 577.831 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 137127
Ion Ratio Lower Upper
43 100
58 36.2 28.9 43.3

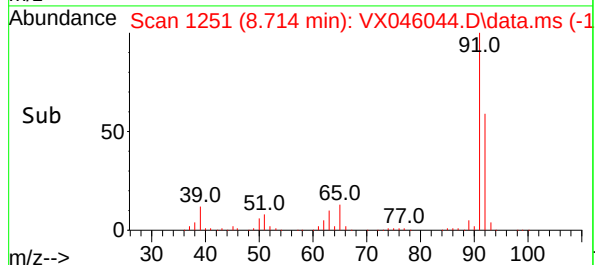
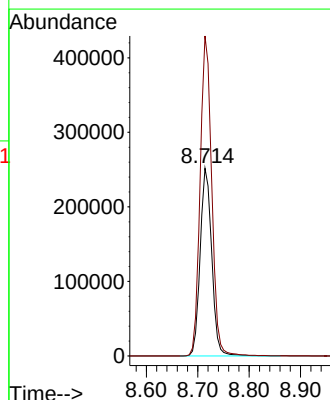
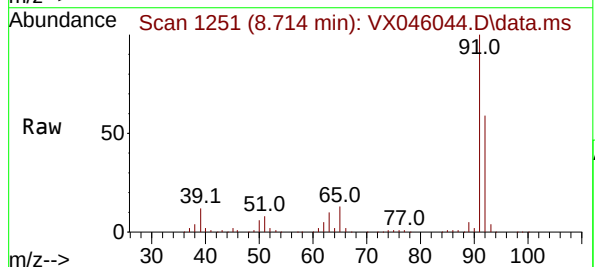
Manual Integrations
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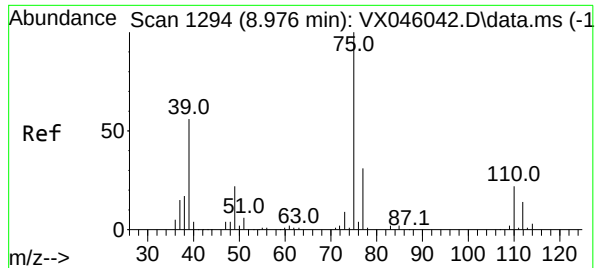
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#52
Toluene
Concen: 113.430 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 92 Resp: 393323
Ion Ratio Lower Upper
92 100
91 171.0 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 138.001 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 25723

Ion Ratio Lower Upper

75 100

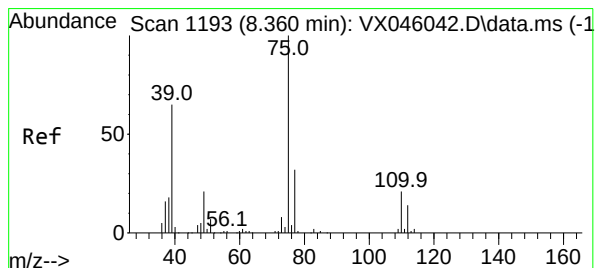
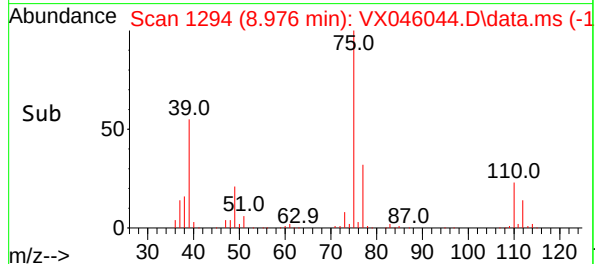
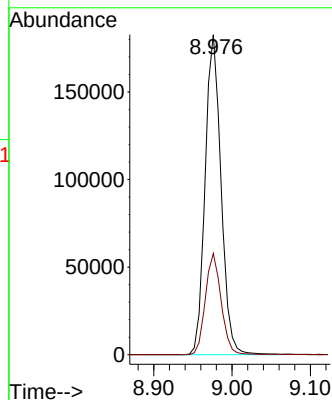
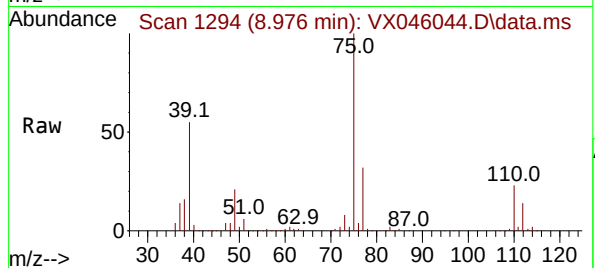
77 31.7 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#54

cis-1,3-Dichloropropene

Concen: 124.658 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

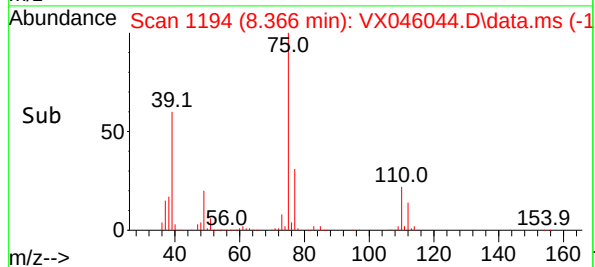
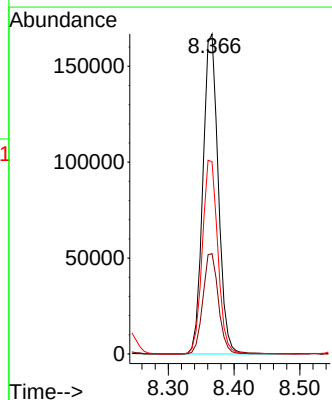
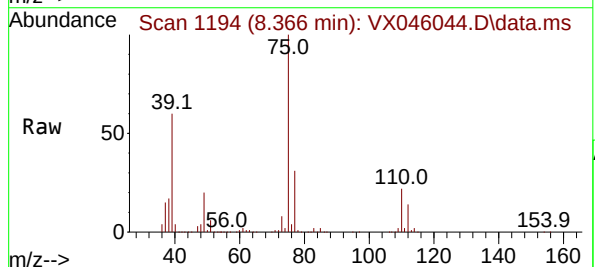
Tgt Ion: 75 Resp: 271054

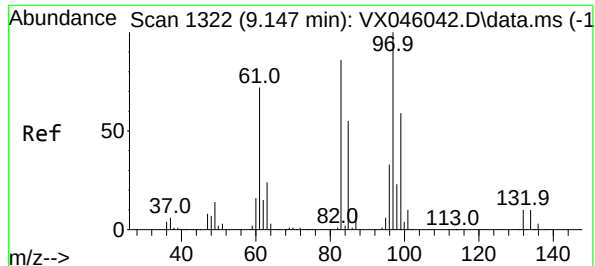
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 60.0 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 110.551 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 154932

Ion Ratio Lower Upper

97 100

83 88.5 69.0 103.6

85 56.0 44.3 66.5

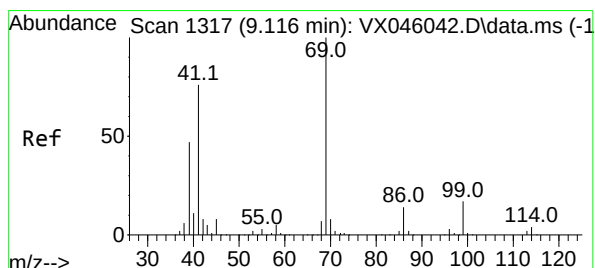
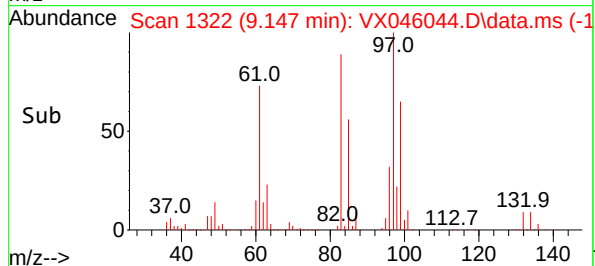
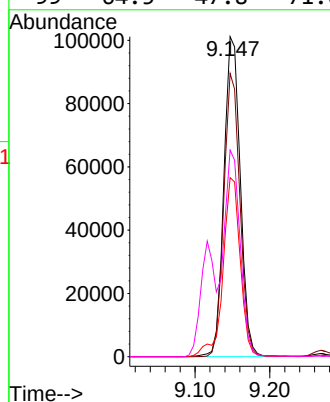
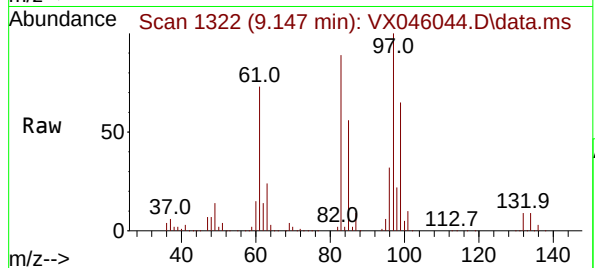
99 64.5 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#56

Ethyl methacrylate

Concen: 127.968 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

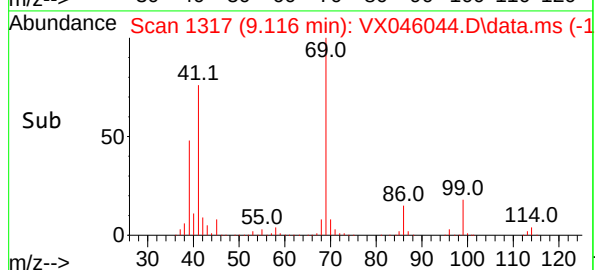
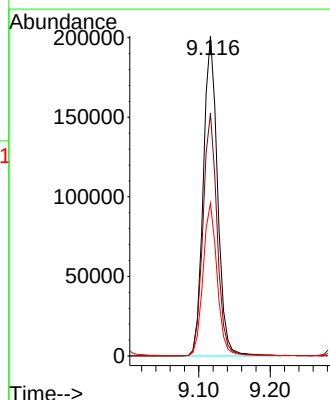
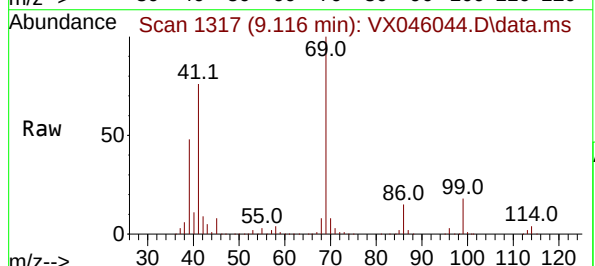
Tgt Ion: 69 Resp: 277921

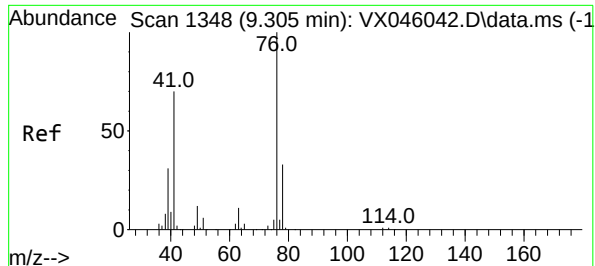
Ion Ratio Lower Upper

69 100

41 75.4 60.8 91.2

39 47.2 39.0 58.6





#57

1,3-Dichloropropane

Concen: 109.813 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 272814

Ion Ratio Lower Upper

76 100

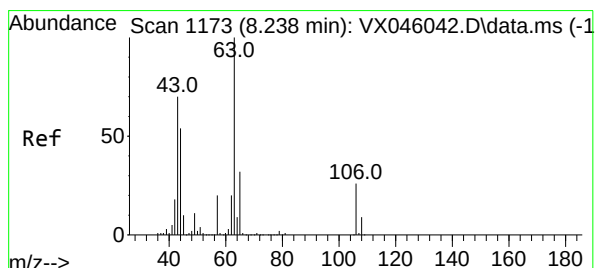
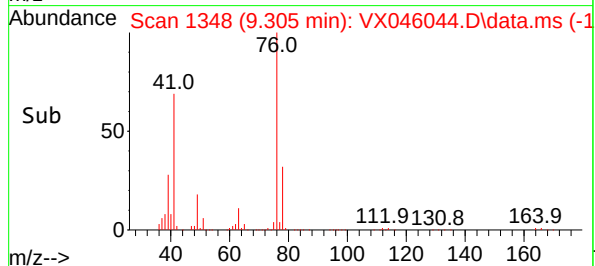
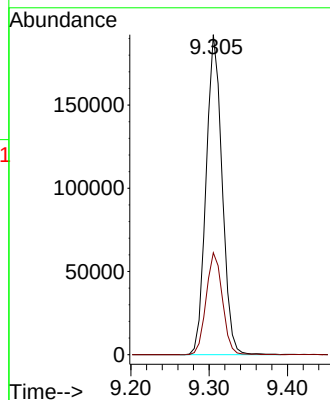
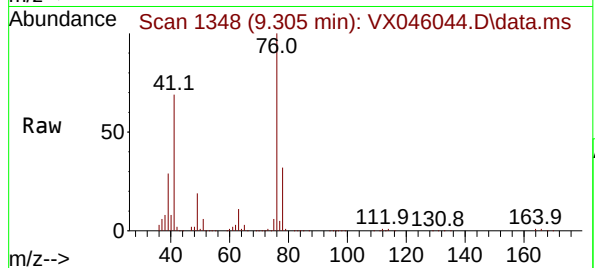
78 32.3 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#58

2-Chloroethyl Vinyl ether

Concen: 697.344 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX046044.D

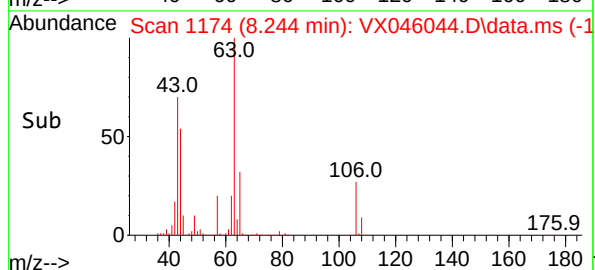
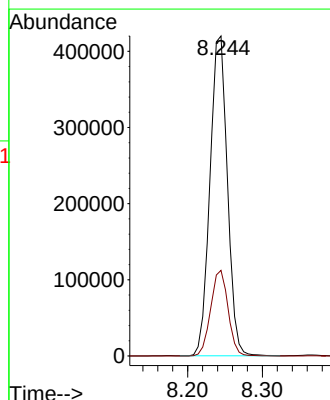
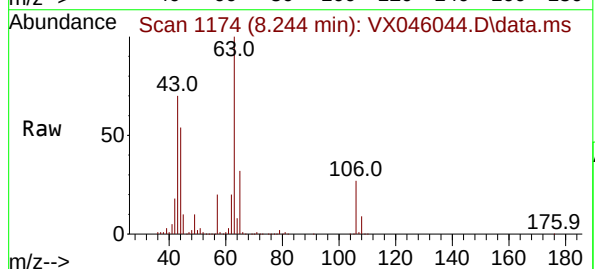
Acq: 05 May 2025 12:45

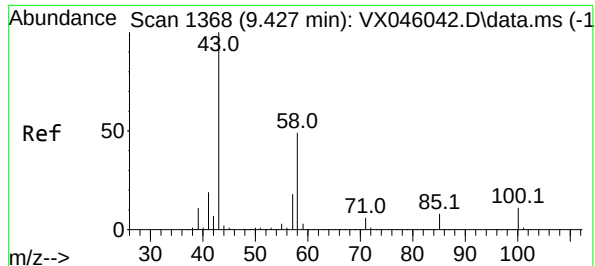
Tgt Ion: 63 Resp: 680608

Ion Ratio Lower Upper

63 100

106 26.7 21.5 32.3





#59

2-Hexanone

Concen: 571.094 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 102859

Ion Ratio Lower Upper

43 100

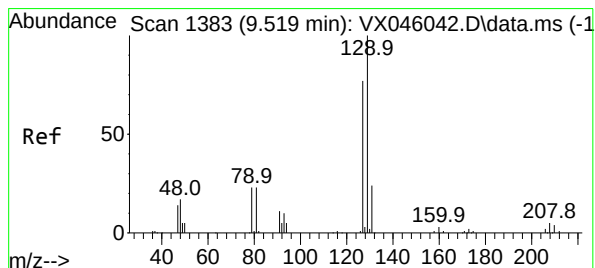
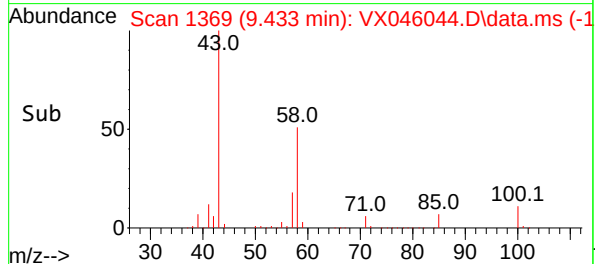
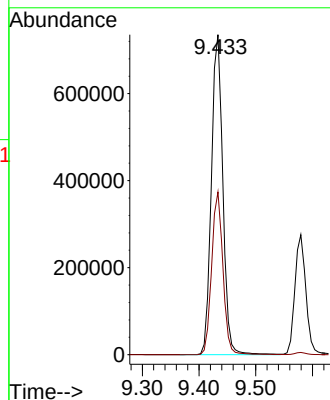
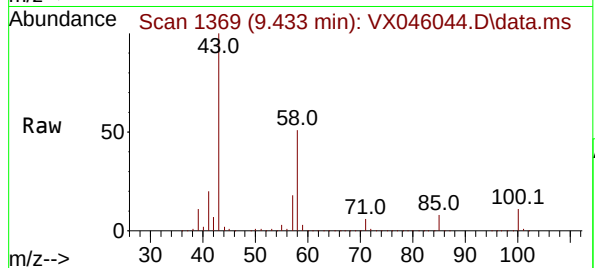
58 50.2 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#60

Dibromochloromethane

Concen: 122.915 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX046044.D

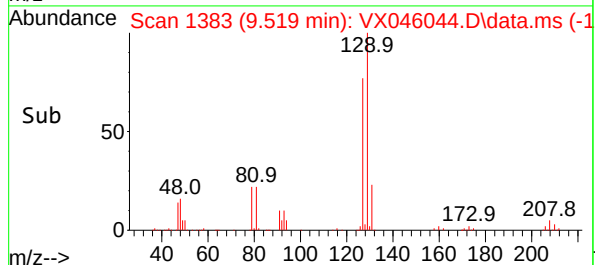
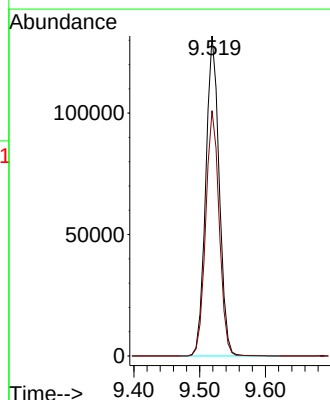
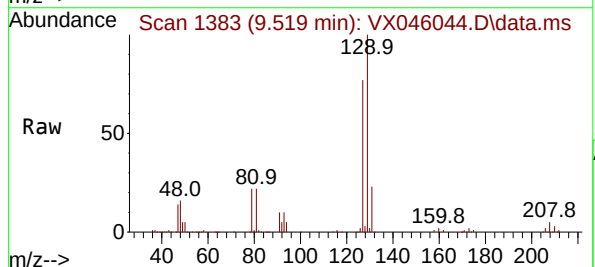
Acq: 05 May 2025 12:45

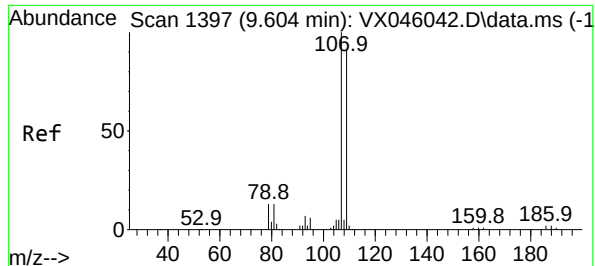
Tgt Ion:129 Resp: 187497

Ion Ratio Lower Upper

129 100

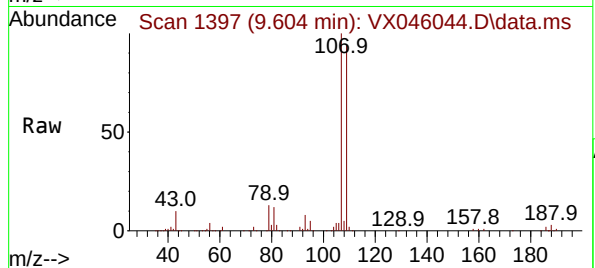
127 77.1 39.3 117.8





#61
1,2-Dibromoethane
Concen: 115.087 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

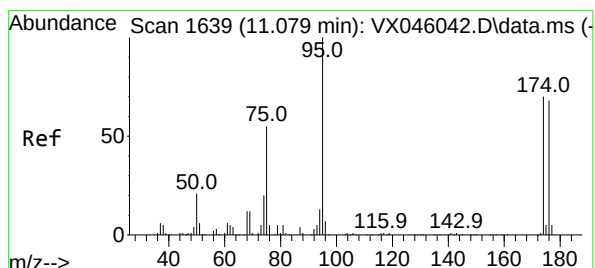
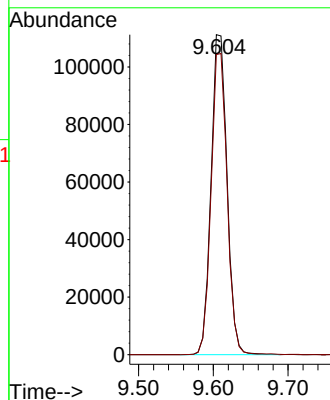
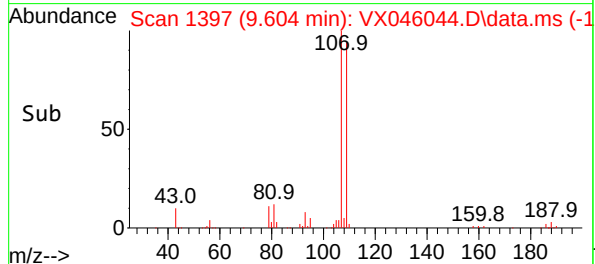
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:107 Resp: 165634
Ion Ratio Lower Upper
107 100
109 94.6 73.3 109.9

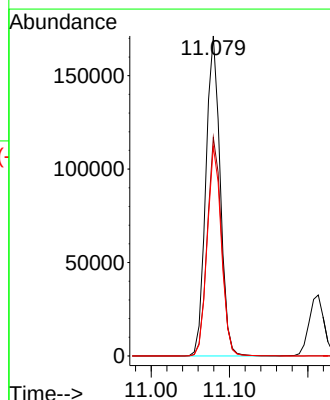
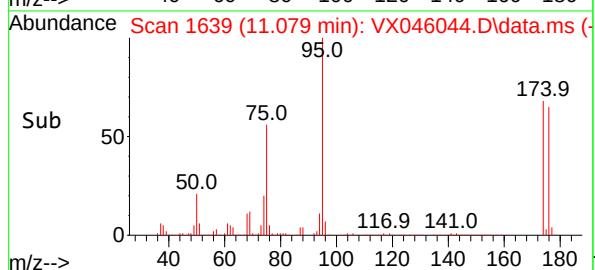
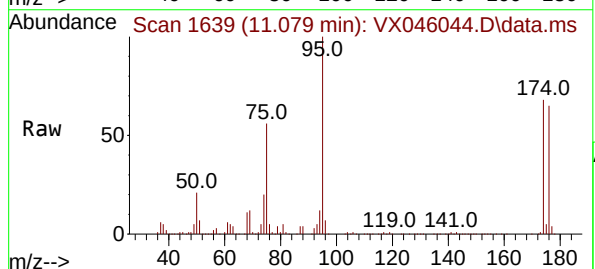
Manual Integrations
APPROVED

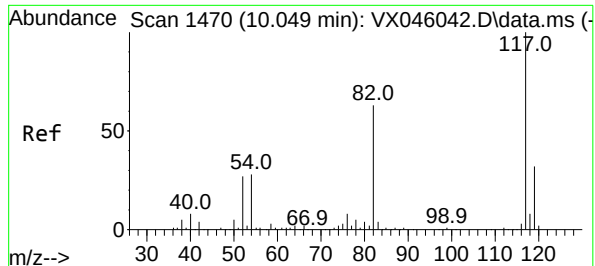
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#62
4-Bromofluorobenzene
Concen: 109.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

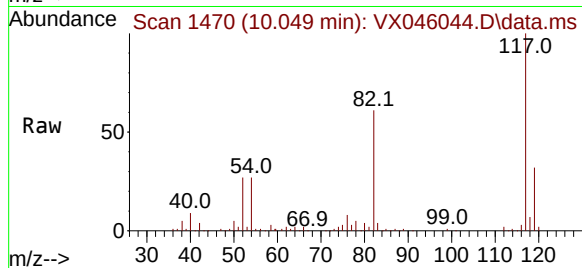
Tgt Ion: 95 Resp: 217536
Ion Ratio Lower Upper
95 100
174 67.5 0.0 135.8
176 64.4 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

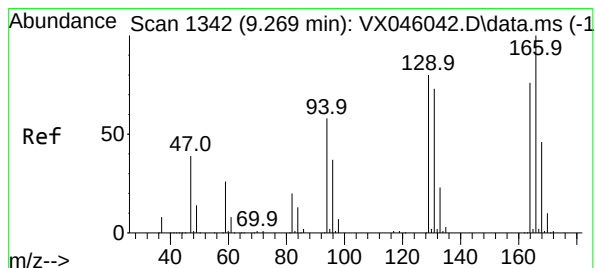
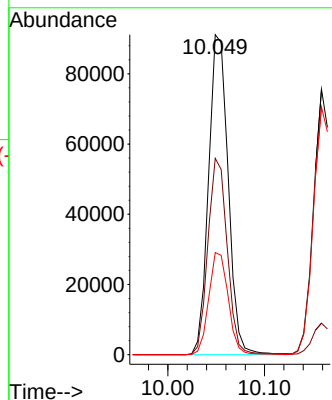
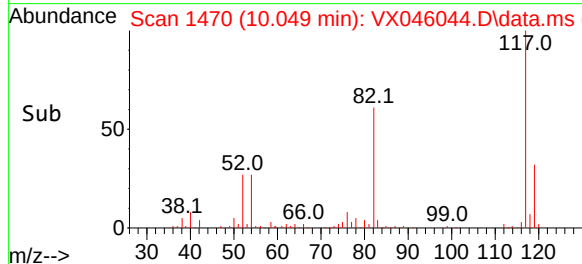
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:117 Resp: 12855
Ion Ratio Lower Upper
117 100
82 61.4 50.6 76.0
119 31.9 25.8 38.6

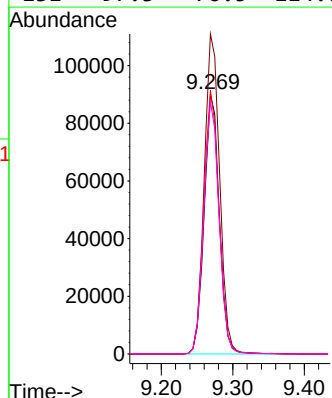
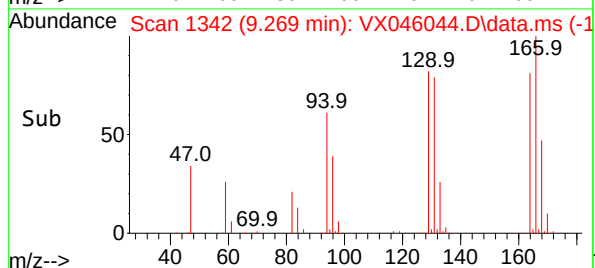
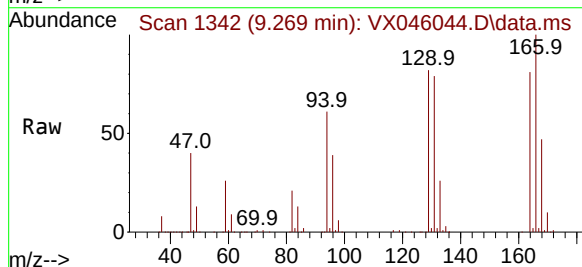
Manual Integrations
APPROVED

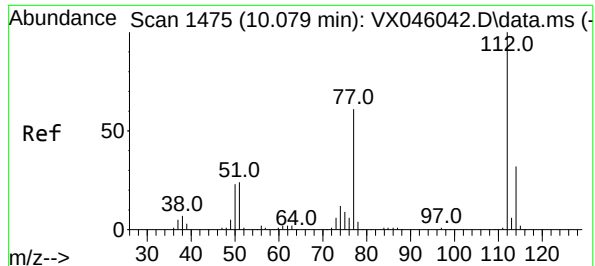
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#64
Tetrachloroethene
Concen: 100.918 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:164 Resp: 132488
Ion Ratio Lower Upper
164 100
166 123.3 105.0 157.6
129 101.6 83.5 125.3
131 97.3 76.5 114.7





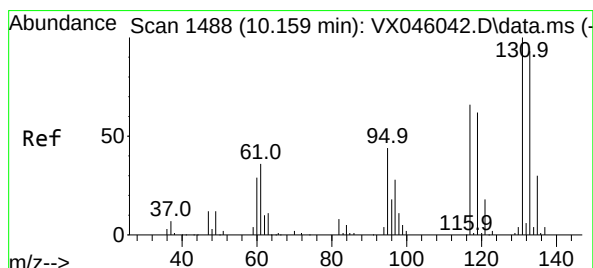
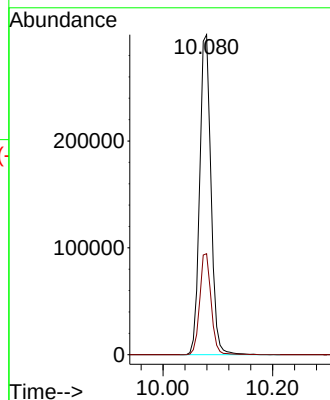
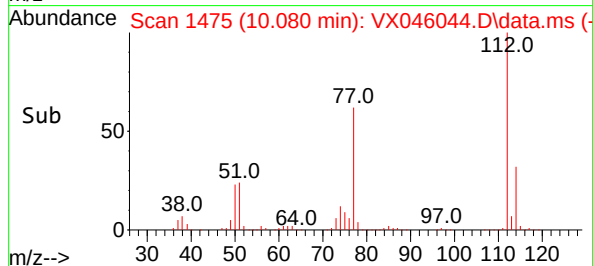
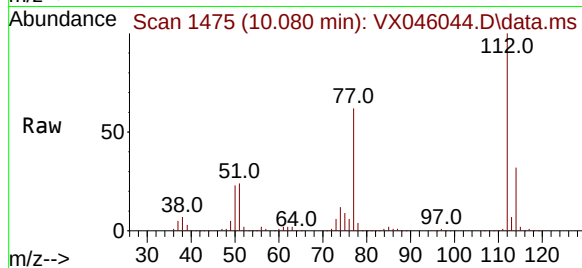
#65
Chlorobenzene
Concen: 108.615 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 429650
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2

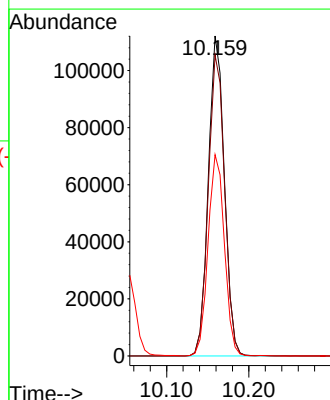
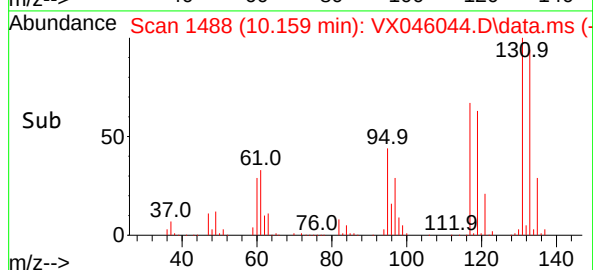
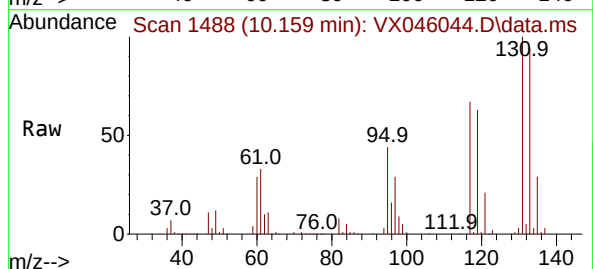
Manual Integrations
APPROVED

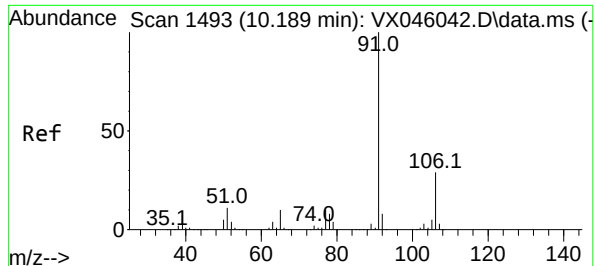
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 115.333 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:131 Resp: 152173
Ion Ratio Lower Upper
131 100
133 95.7 47.3 141.9
119 64.0 31.6 95.0





#67

Ethyl Benzene

Concen: 116.421 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 78512

Ion Ratio Lower Upper

91 100

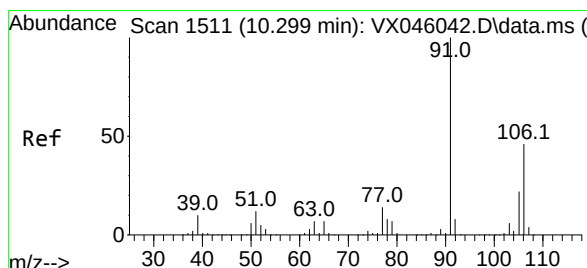
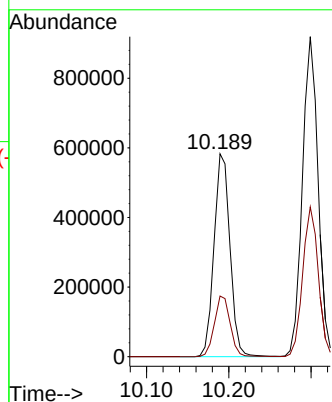
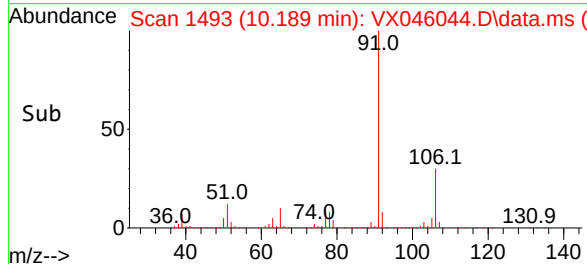
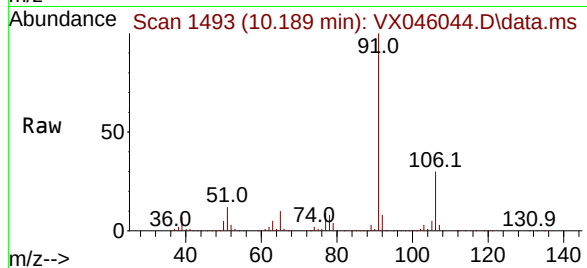
106 29.9 23.4 35.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#68

m/p-Xylenes

Concen: 234.349 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX046044.D

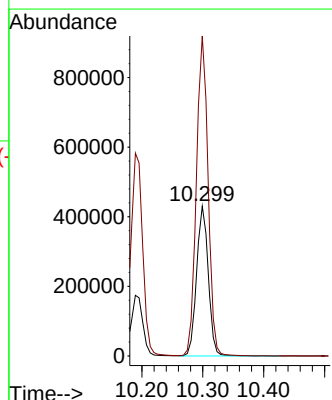
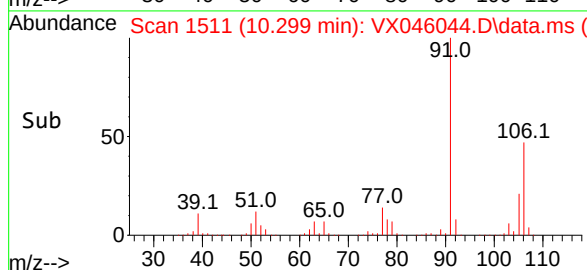
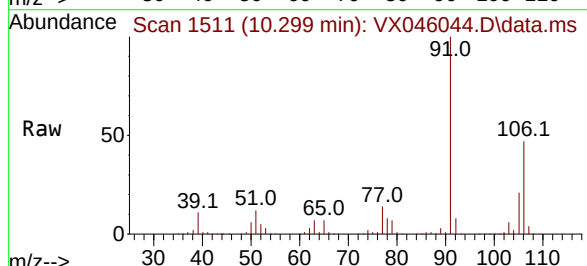
Acq: 05 May 2025 12:45

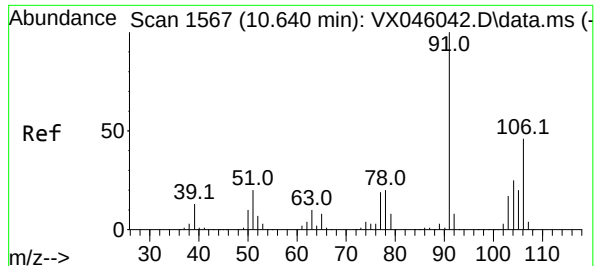
Tgt Ion:106 Resp: 570913

Ion Ratio Lower Upper

106 100

91 214.2 171.2 256.8





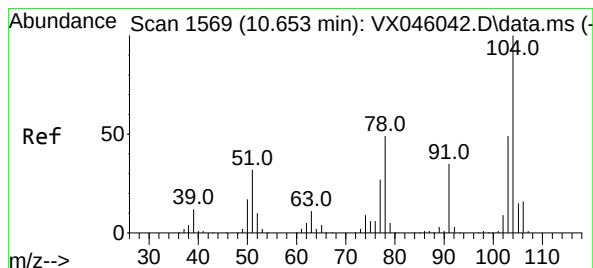
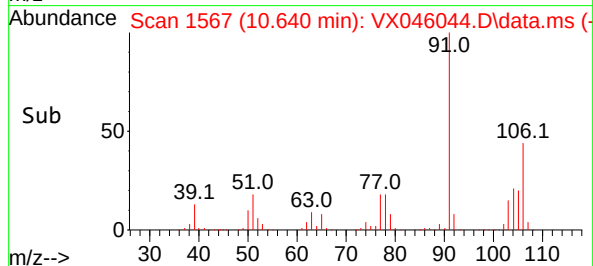
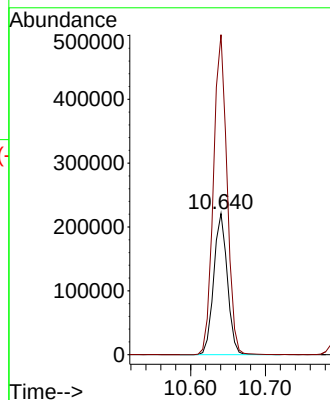
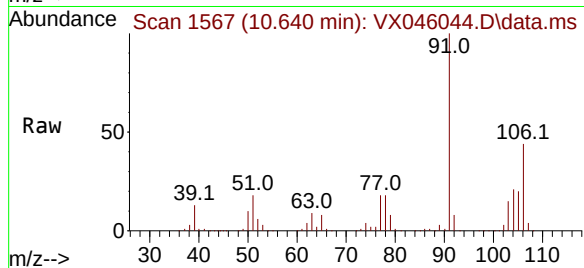
#69
o-Xylene
Concen: 113.990 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 279900
Ion Ratio Lower Upper
106 100
91 226.9 112.7 338.1

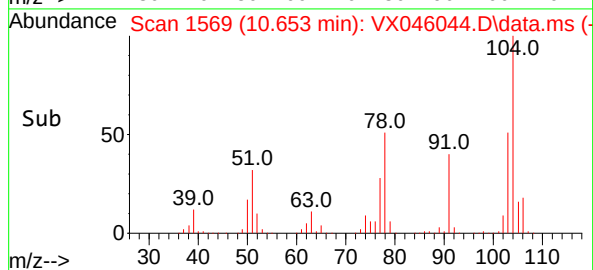
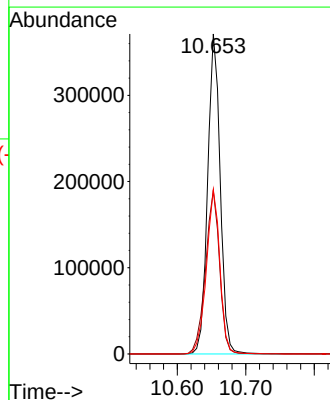
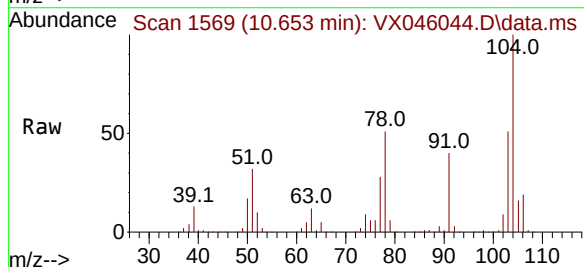
Manual Integrations
APPROVED

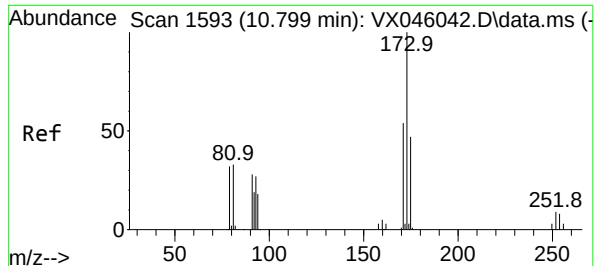
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#70
Styrene
Concen: 120.694 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

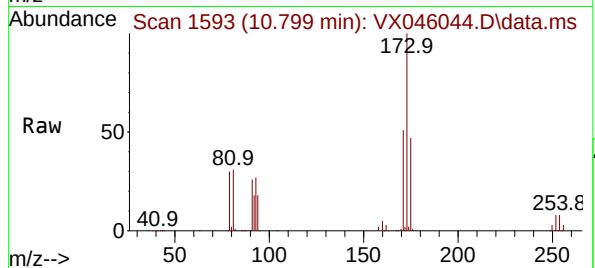
Tgt Ion:104 Resp: 474254
Ion Ratio Lower Upper
104 100
78 57.2 45.7 68.5
103 55.5 43.7 65.5





#71
Bromoform
Concen: 127.128 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

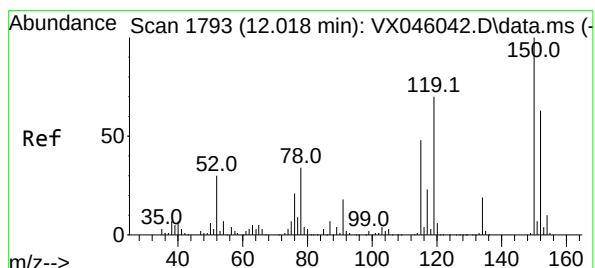
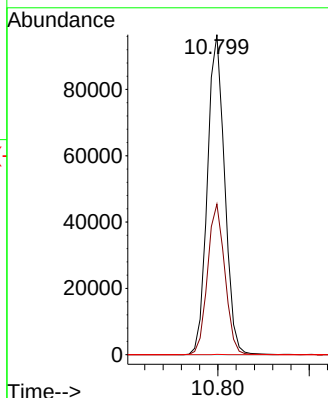
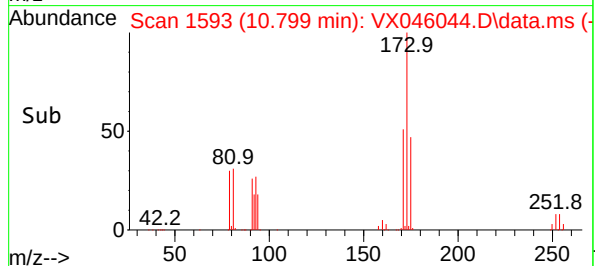
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:173 Resp: 125980
Ion Ratio Lower Upper
173 100
175 47.3 23.4 70.0
254 0.1 0.0 0.0

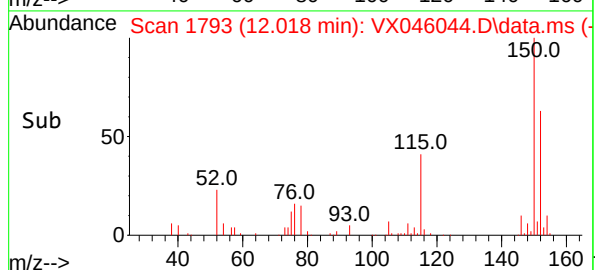
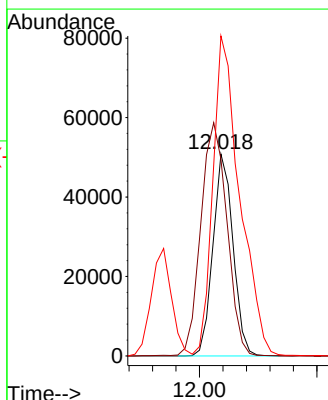
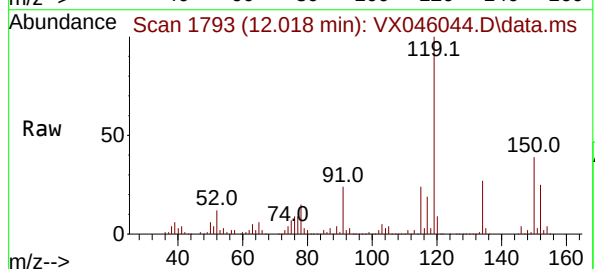
Manual Integrations
APPROVED

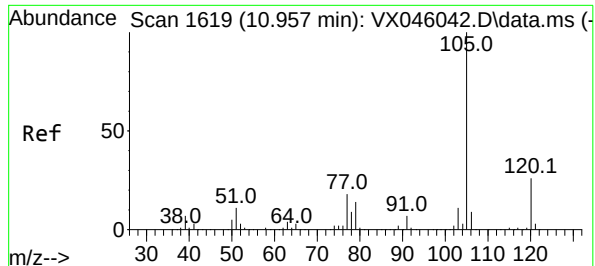
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

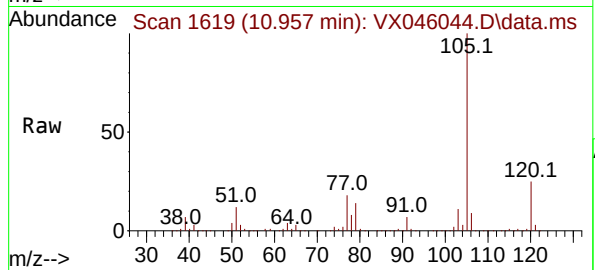
Tgt Ion:152 Resp: 60345
Ion Ratio Lower Upper
152 100
115 150.7 46.9 140.7#
150 211.6 0.0 351.0





#73
Isopropylbenzene
Concen: 114.312 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

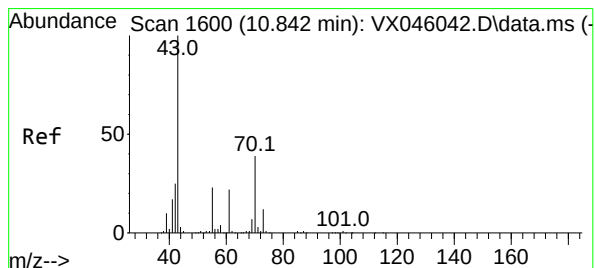
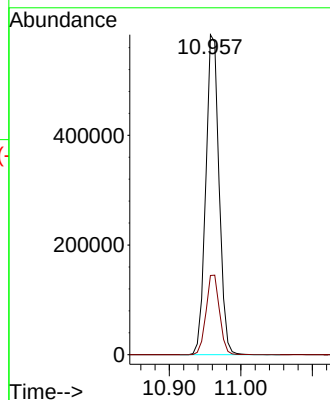
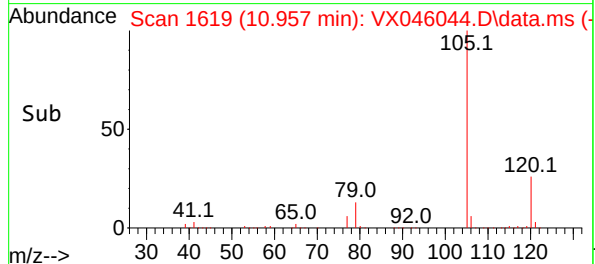
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 75233
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.4

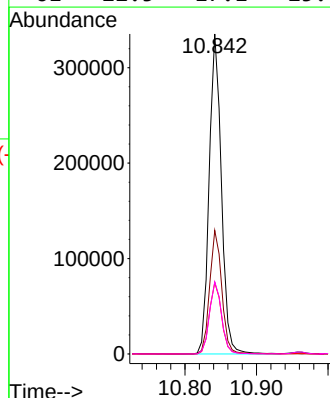
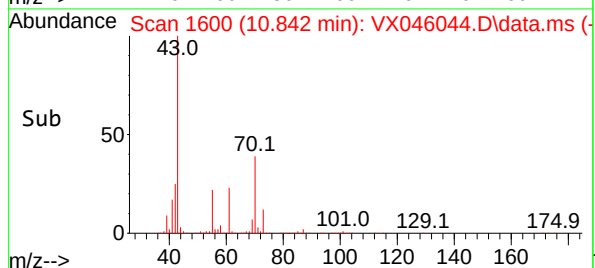
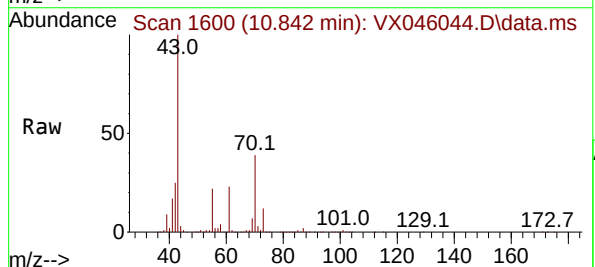
Manual Integrations
APPROVED

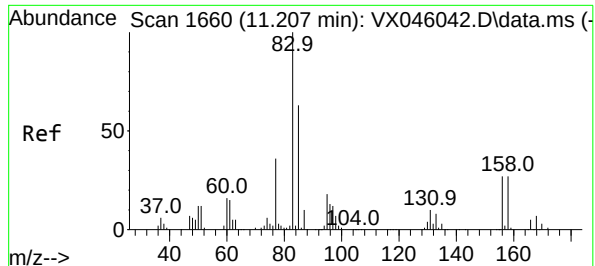
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#74
N-ethyl acetate
Concen: 120.944 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 396877
Ion Ratio Lower Upper
43 100
70 38.5 30.9 46.3
55 22.5 18.7 28.1
61 22.5 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 104.018 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 24353

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

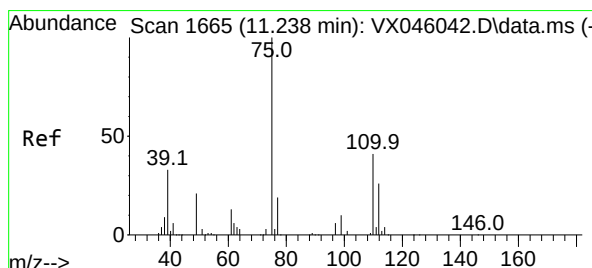
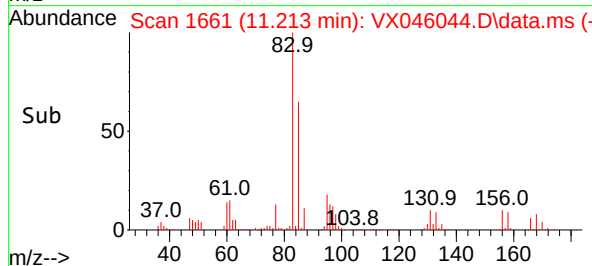
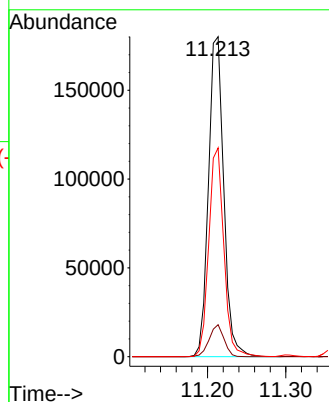
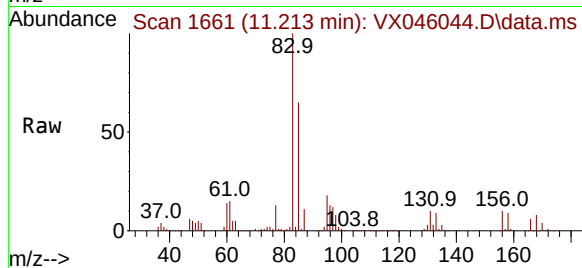
85 64.4 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#76

1,2,3-Trichloropropane

Concen: 84.960 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX046044.D

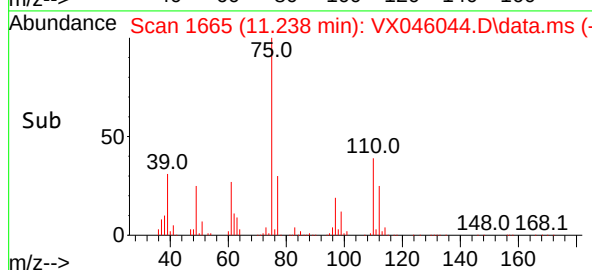
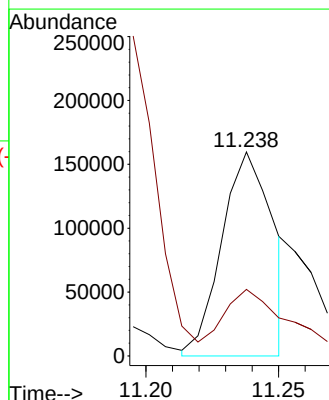
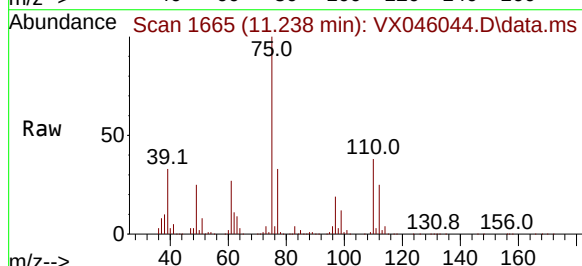
Acq: 05 May 2025 12:45

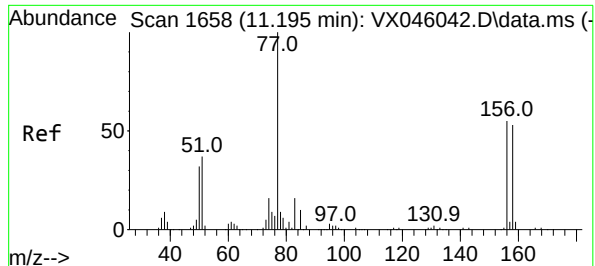
Tgt Ion: 75 Resp: 213744

Ion Ratio Lower Upper

75 100

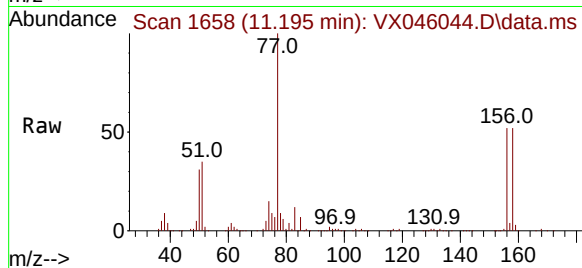
77 42.4 20.5 61.5





#77
Bromobenzene
Concen: 110.297 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

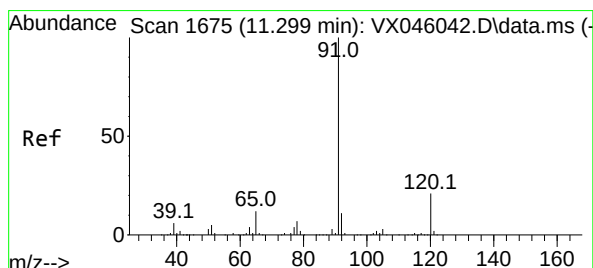
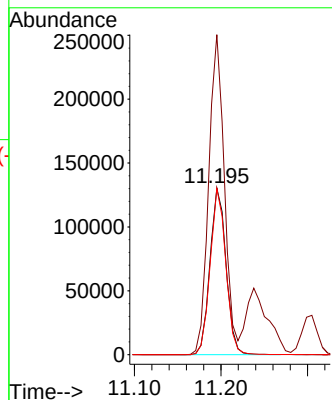
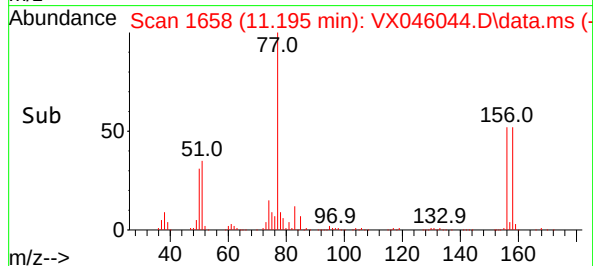
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:156 Resp: 167934
Ion Ratio Lower Upper
156 100
77 187.1 92.8 278.3
158 97.3 48.8 146.3

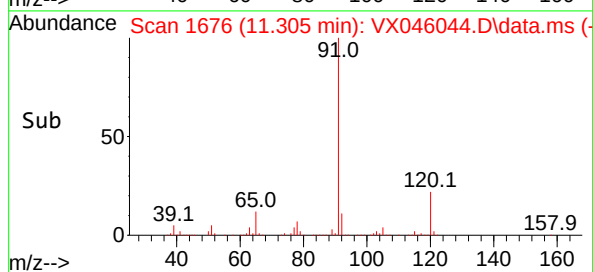
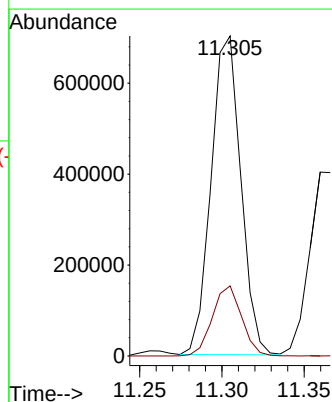
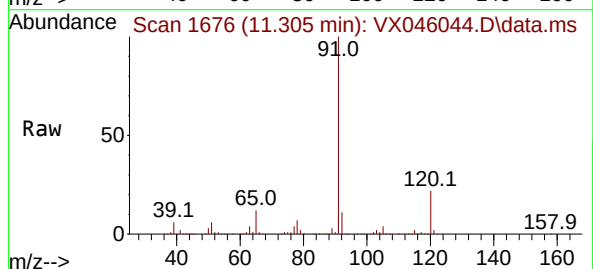
Manual Integrations
APPROVED

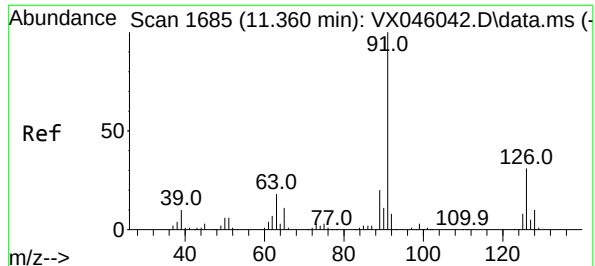
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#78
n-propylbenzene
Concen: 119.448 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 881218
Ion Ratio Lower Upper
91 100
120 21.7 10.8 32.4





#79

2-Chlorotoluene

Concen: 107.514 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 534560

Ion Ratio Lower Upper

91 100

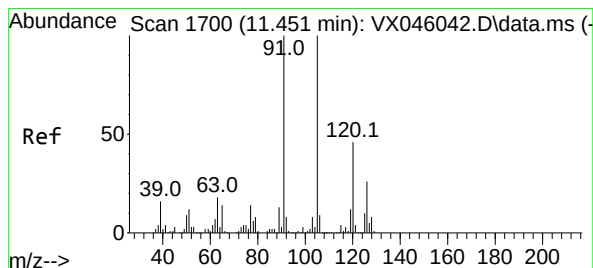
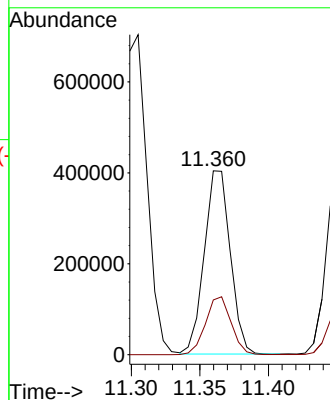
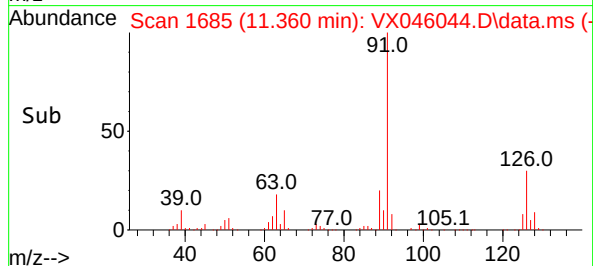
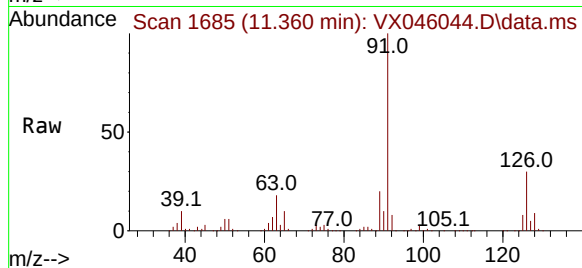
126 31.0 15.6 46.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#80

1,3,5-Trimethylbenzene

Concen: 112.825 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX046044.D

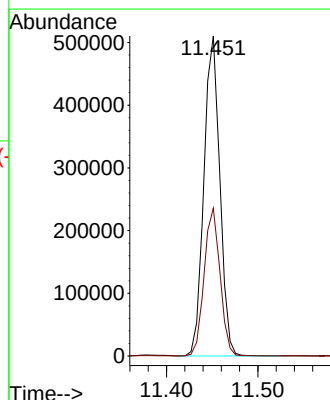
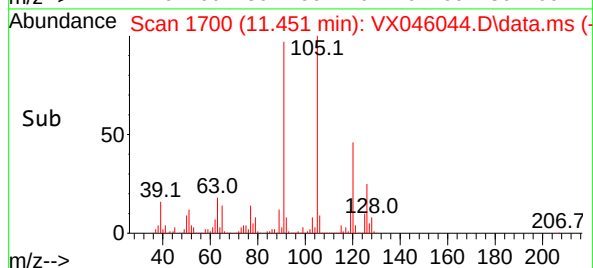
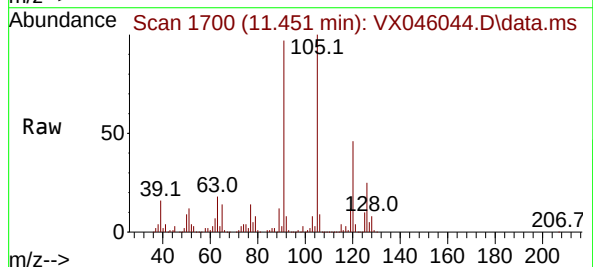
Acq: 05 May 2025 12:45

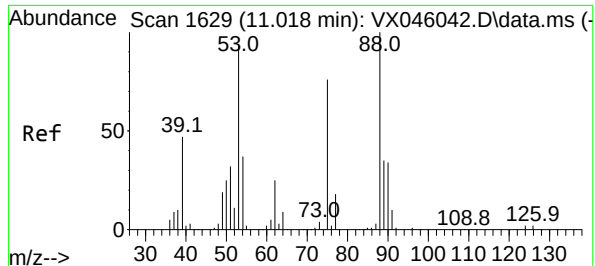
Tgt Ion:105 Resp: 616477

Ion Ratio Lower Upper

105 100

120 46.0 23.1 69.2





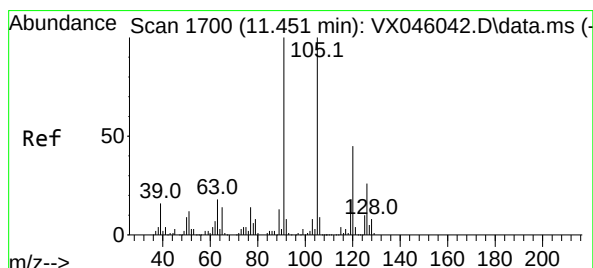
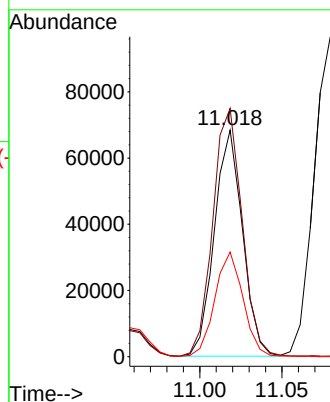
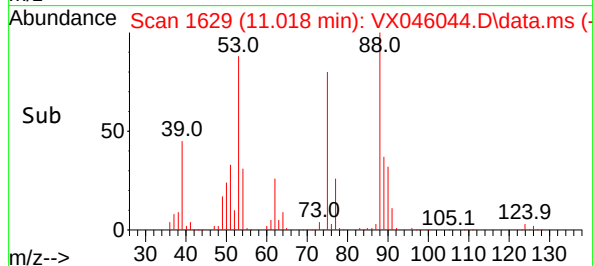
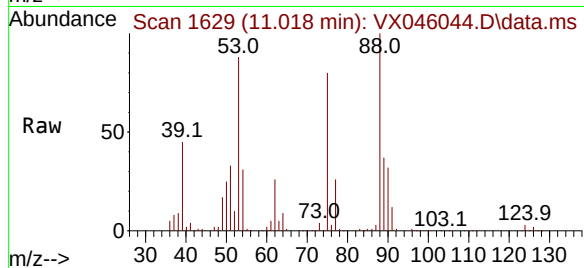
#81
trans-1,4-Dichloro-2-butene
Concen: 134.609 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 81372
Ion Ratio Lower Upper
75 100
53 114.9 100.5 150.7
89 46.5 37.0 55.6

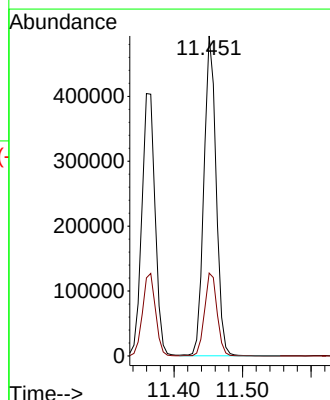
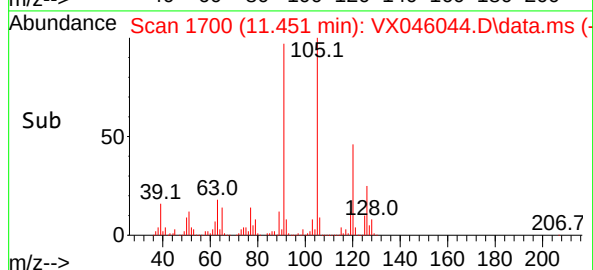
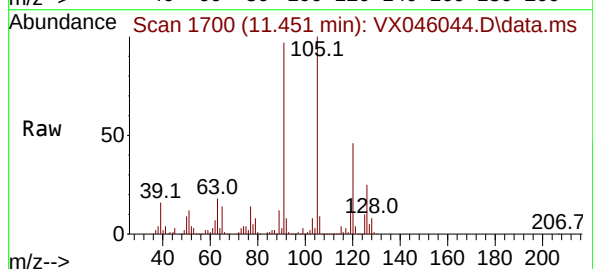
Manual Integrations
APPROVED

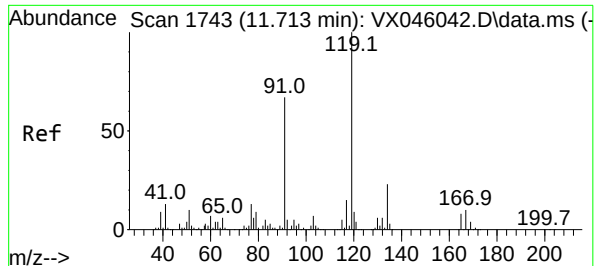
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#82
4-Chlorotoluene
Concen: 111.948 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 611736
Ion Ratio Lower Upper
91 100
126 26.7 13.3 39.8





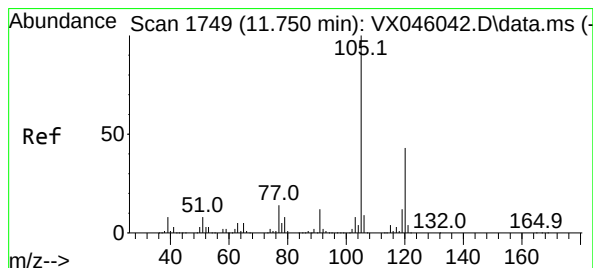
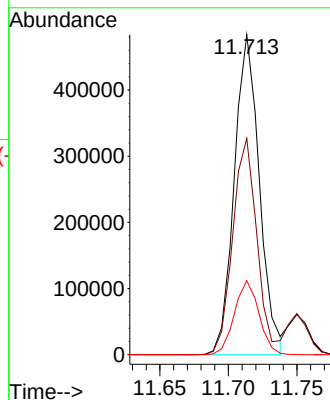
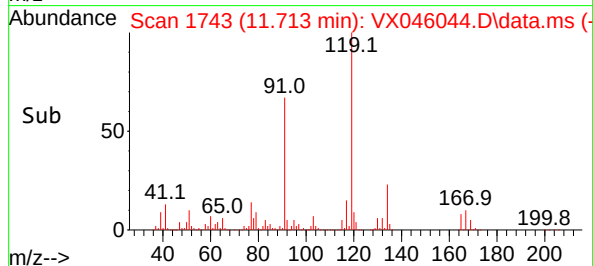
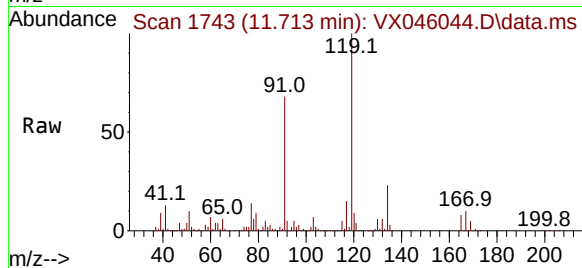
#83
tert-Butylbenzene
Concen: 115.065 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 61747
Ion Ratio Lower Upper
119 100
91 65.6 32.9 98.7
134 22.6 11.4 34.1

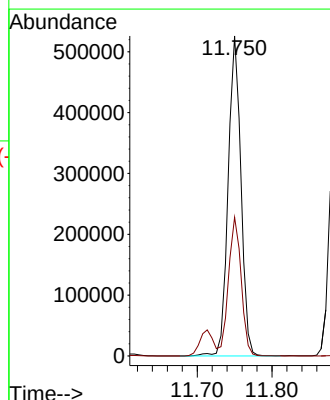
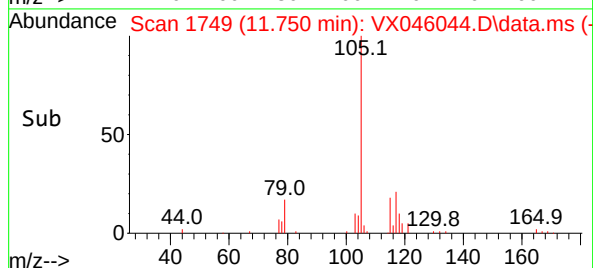
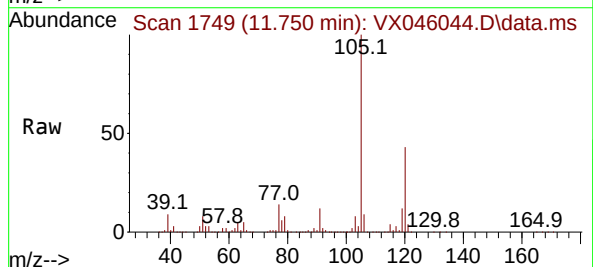
Manual Integrations
APPROVED

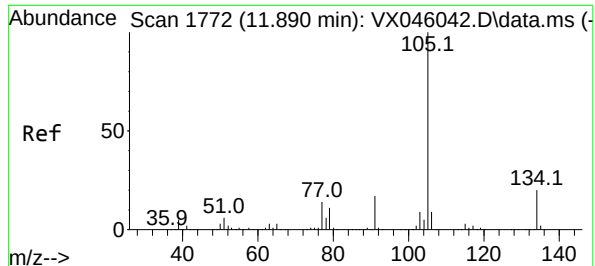
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#84
1,2,4-Trimethylbenzene
Concen: 114.236 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 623456
Ion Ratio Lower Upper
105 100
120 43.1 21.2 63.6





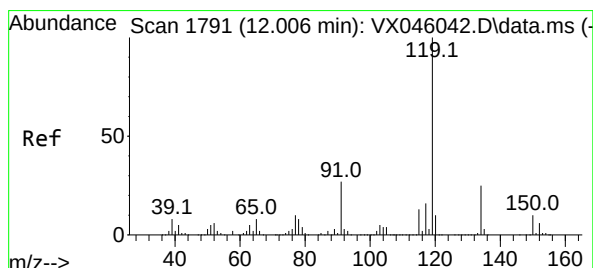
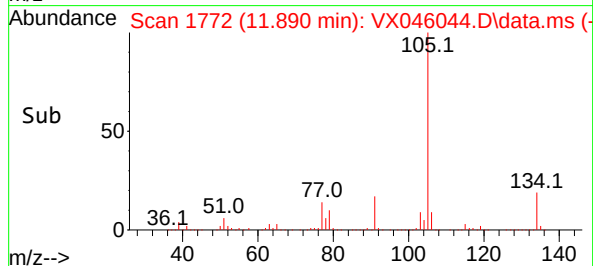
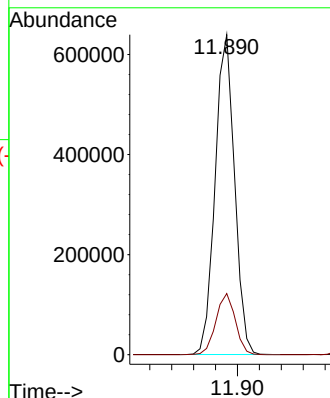
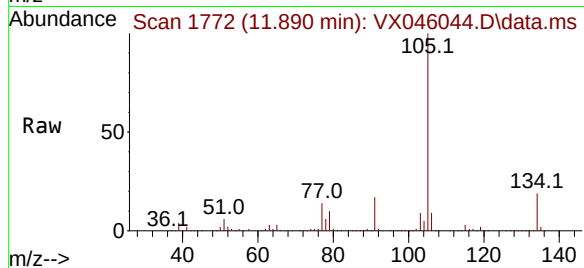
#85
sec-Butylbenzene
Concen: 118.023 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:105 Resp: 78629
Ion Ratio Lower Upper
105 100
134 19.1 9.7 29.1

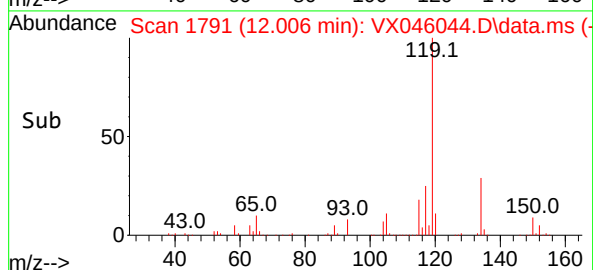
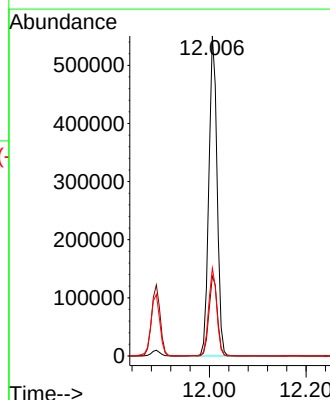
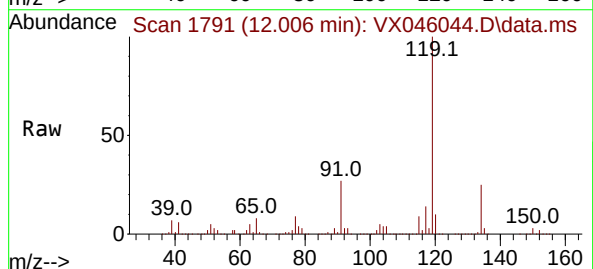
Manual Integrations
APPROVED

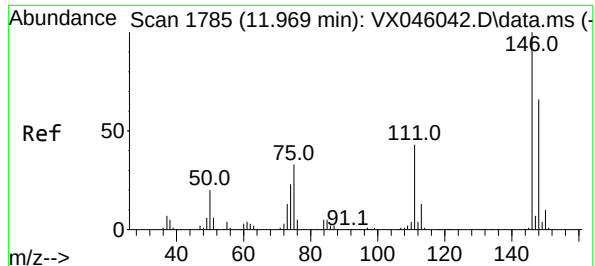
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#86
p-Isopropyltoluene
Concen: 121.113 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:119 Resp: 651531
Ion Ratio Lower Upper
119 100
134 25.4 12.5 37.5
91 27.0 13.8 41.4





#87

1,3-Dichlorobenzene

Concen: 110.394 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 313100

Ion Ratio Lower Upper

146 100

111 44.5 22.1 66.3

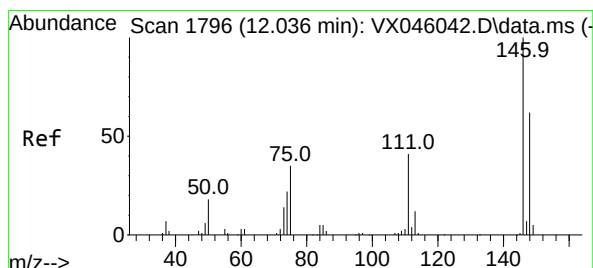
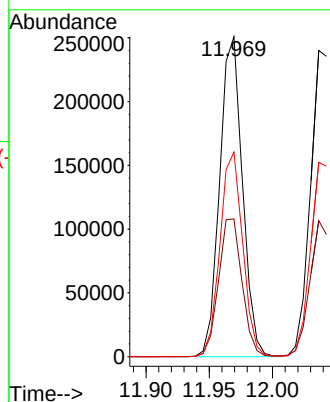
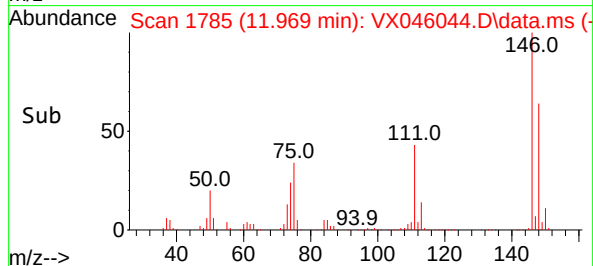
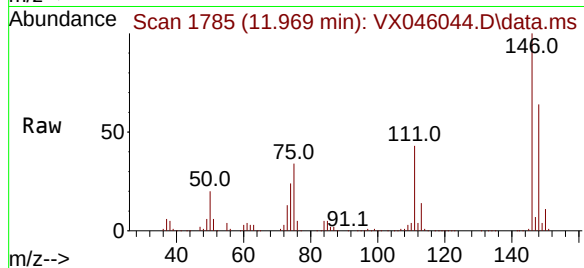
148 64.0 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#88

1,4-Dichlorobenzene

Concen: 112.167 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

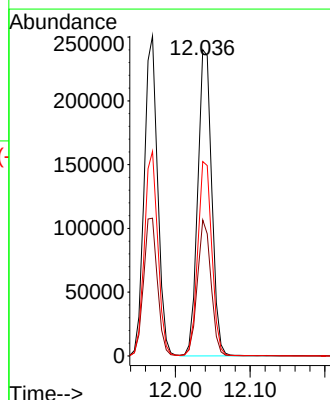
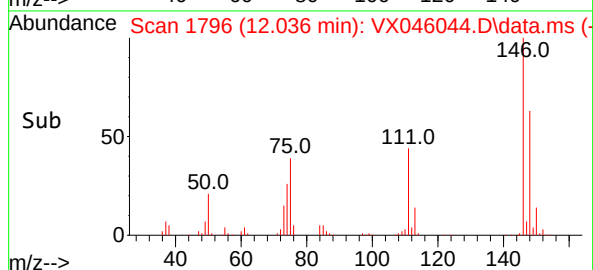
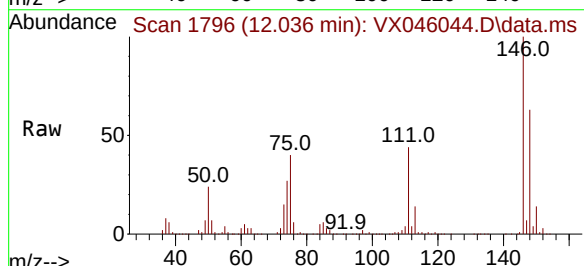
Tgt Ion:146 Resp: 311752

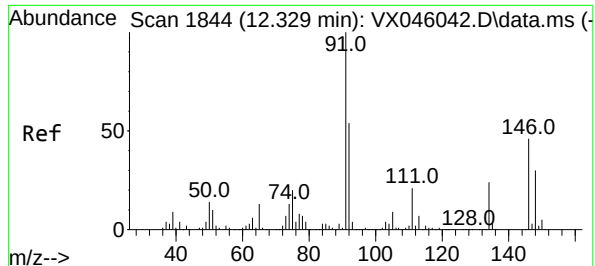
Ion Ratio Lower Upper

146 100

111 43.0 21.3 63.9

148 63.9 31.9 95.5





#89

n-Butylbenzene

Concen: 129.533 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 60578

Ion Ratio Lower Upper

91 100

92 53.6 26.9 80.7

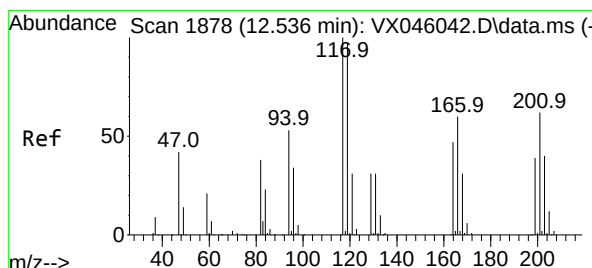
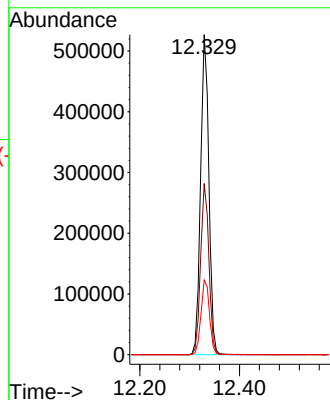
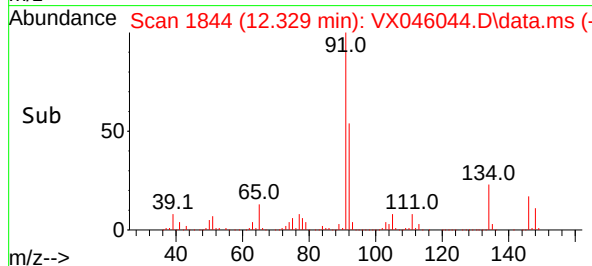
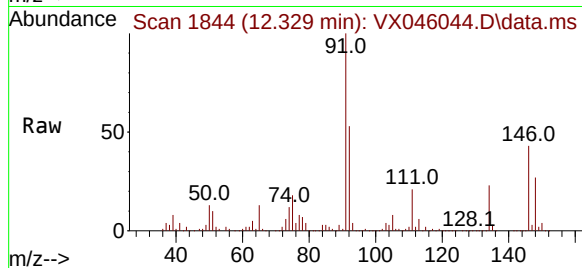
134 24.0 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#90

Hexachloroethane

Concen: 123.091 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX046044.D

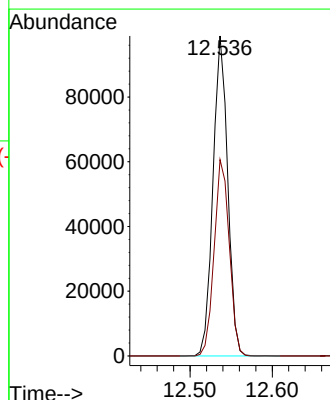
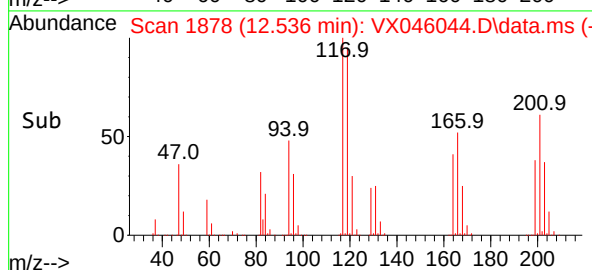
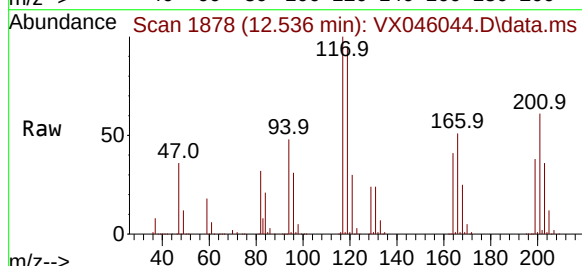
Acq: 05 May 2025 12:45

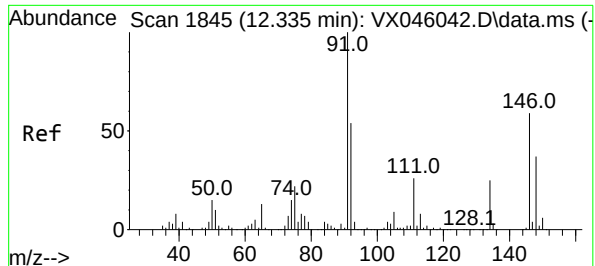
Tgt Ion:117 Resp: 123188

Ion Ratio Lower Upper

117 100

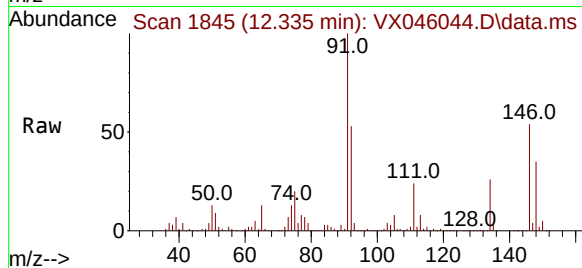
201 63.2 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 111.506 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

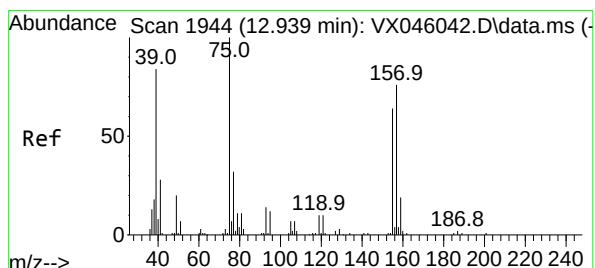
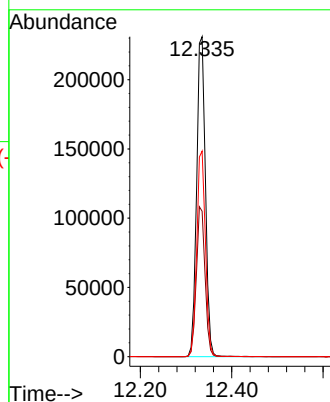
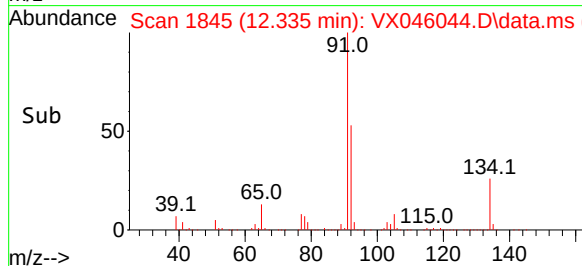
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:146 Resp: 308039
Ion Ratio Lower Upper
146 100
111 46.3 22.4 67.3
148 63.6 31.6 94.8

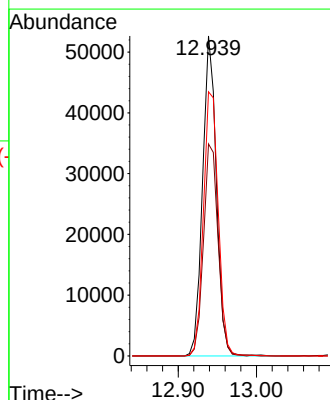
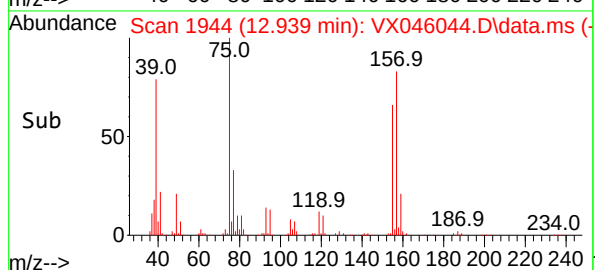
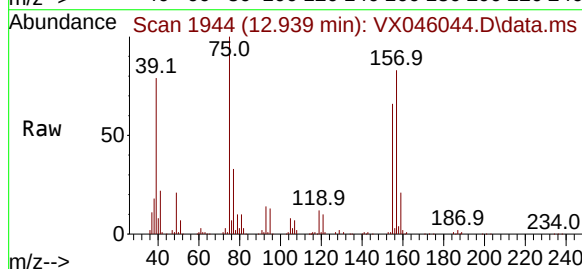
Manual Integrations
APPROVED

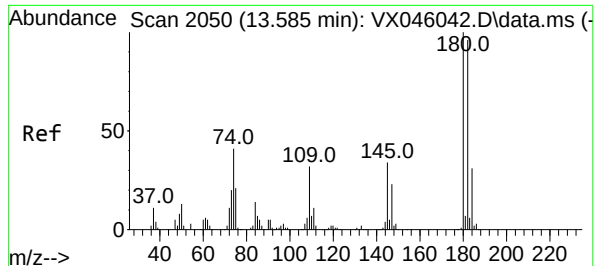
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 120.915 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 64438
Ion Ratio Lower Upper
75 100
155 69.6 34.9 104.8
157 88.4 43.8 131.4





#93

1,2,4-Trichlorobenzene

Concen: 134.366 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 20325

Ion Ratio Lower Upper

180 100

182 94.1 47.9 143.8

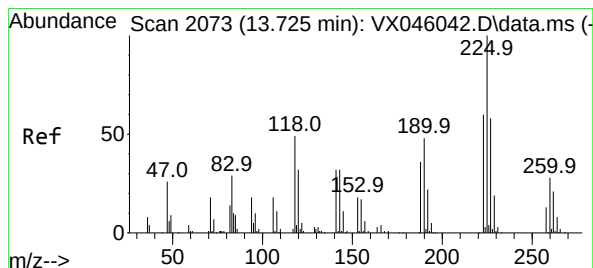
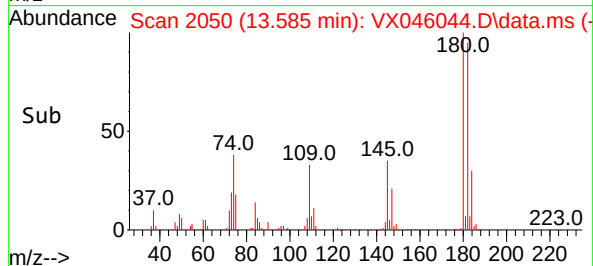
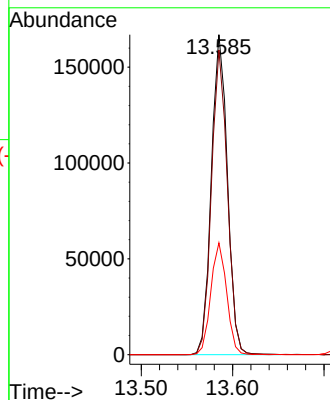
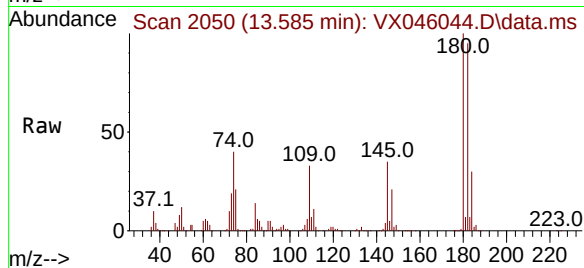
145 34.5 17.1 51.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#94

Hexachlorobutadiene

Concen: 113.857 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX046044.D

Acq: 05 May 2025 12:45

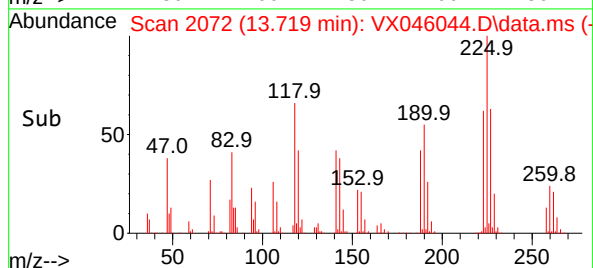
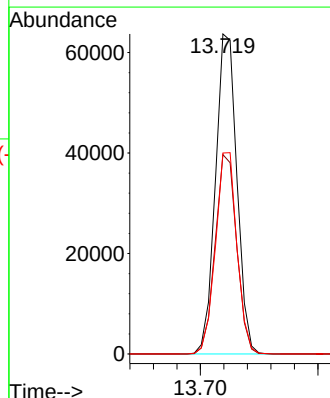
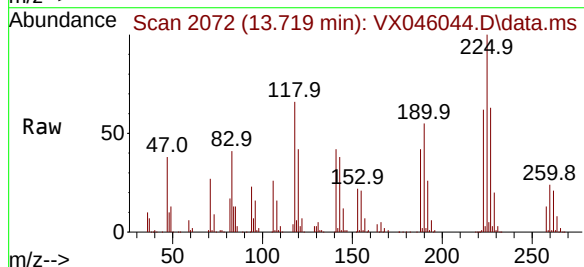
Tgt Ion:225 Resp: 80558

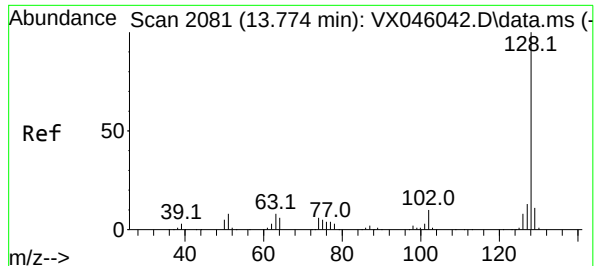
Ion Ratio Lower Upper

225 100

223 62.5 30.8 92.4

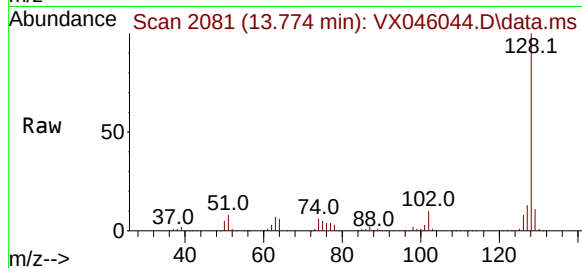
227 63.1 30.9 92.7





#95
Naphthalene
Concen: 130.929 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

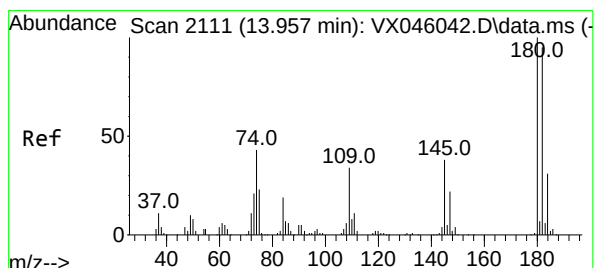
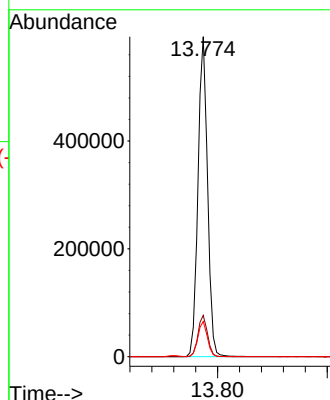
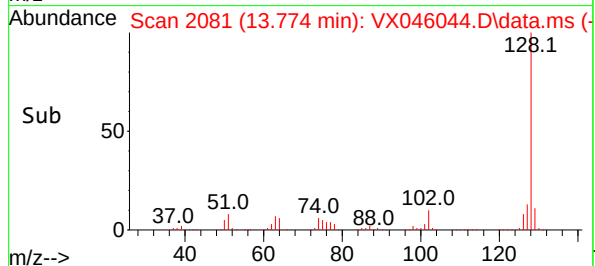
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:128 Resp: 721236
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 8.6 13.0

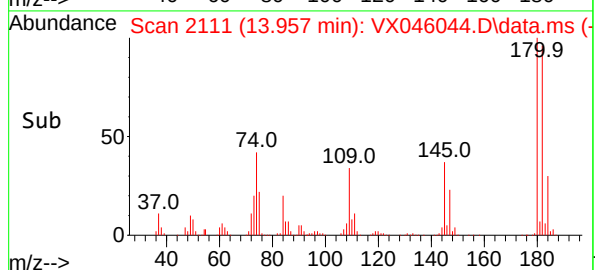
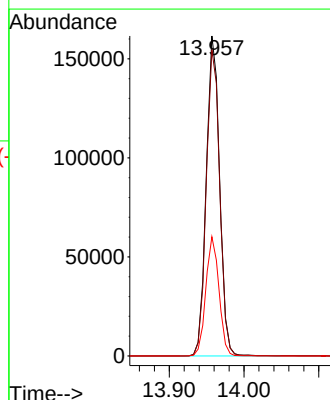
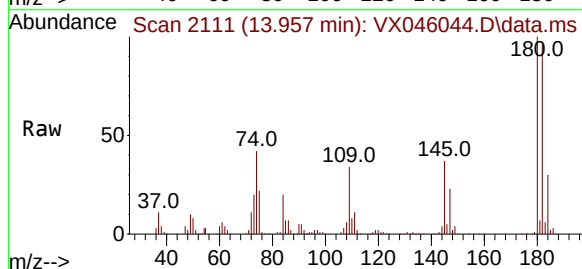
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 126.331 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:180 Resp: 200379
Ion Ratio Lower Upper
180 100
182 96.5 47.8 143.3
145 36.7 18.1 54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046046.D
 Acq On : 05 May 2025 16:04
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	96964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	168484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	9067	3.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	6.280%#		
35) Dibromofluoromethane	5.373	113	5969	3.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	6.320%#		
50) Toluene-d8	8.647	98	20566	3.232	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	6.460%#		
62) 4-Bromofluorobenzene	11.079	95	7822	3.378	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	6.760%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6195	2.894	ug/l	95
3) Chloromethane	1.307	50	6587	3.125	ug/l	99
4) Vinyl Chloride	1.374	62	5999	3.249	ug/l	96
5) Bromomethane	1.593	94	2962	3.164	ug/l	88
6) Chloroethane	1.666	64	3567	3.750	ug/l	94
7) Trichlorofluoromethane	1.874	101	9599	3.413	ug/l	88
8) Diethyl Ether	2.130	74	3020	3.266	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	5911	3.517	ug/l	99
10) Methyl Iodide	2.441	142	5900	2.990	ug/l	99
11) Tert butyl alcohol	2.965	59	5539	16.111	ug/l	98
12) 1,1-Dichloroethene	2.306	96	5496	3.359	ug/l	97
13) Acrolein	2.233	56	5673	14.206	ug/l	95
14) Allyl chloride	2.654	41	10262	3.319	ug/l	98
15) Acrylonitrile	3.062	53	16746	16.282	ug/l	97
16) Acetone	2.380	43	19773	20.036	ug/l	98
17) Carbon Disulfide	2.501	76	11068	2.919	ug/l	96
18) Methyl Acetate	2.703	43	7909	3.357	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	18497	3.241	ug/l	97
20) Methylene Chloride	2.782	84	6680	3.341	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	5402	3.234	ug/l	100
22) Diisopropyl ether	3.751	45	18657	3.230	ug/l #	65
23) Vinyl Acetate	3.715	43	82328	16.127	ug/l	99
24) 1,1-Dichloroethane	3.605	63	11193	3.297	ug/l	99
25) 2-Butanone	4.562	43	26125	18.340	ug/l	98
26) 2,2-Dichloropropane	4.465	77	8245	3.205	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	6222	3.089	ug/l	95
28) Bromochloromethane	4.891	49	5360	2.969	ug/l #	100
29) Tetrahydrofuran	5.001	42	15431	16.680	ug/l	98
30) Chloroform	5.080	83	11624	3.294	ug/l	89
31) Cyclohexane	5.458	56	10269	3.588	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	9827	3.229	ug/l	97
36) 1,1-Dichloropropene	5.678	75	7787	3.551	ug/l	98
37) Ethyl Acetate	4.721	43	9806m	3.565	ug/l	
38) Carbon Tetrachloride	5.659	117	8505	3.376	ug/l	97
39) Methylcyclohexane	7.373	83	9882	3.597	ug/l	93
40) Benzene	6.031	78	22528	3.315	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046046.D
 Acq On : 05 May 2025 16:04
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	4851	3.174	ug/l #	65
42) 1,2-Dichloroethane	6.080	62	10011	3.563	ug/l	100
43) Isopropyl Acetate	6.348	43	13914	3.309	ug/l	96
44) Trichloroethene	7.123	130	5313	3.307	ug/l	94
45) 1,2-Dichloropropane	7.427	63	5451	3.228	ug/l #	89
46) Dibromomethane	7.580	93	4417	3.318	ug/l	98
47) Bromodichloromethane	7.818	83	8394	3.254	ug/l	98
48) Methyl methacrylate	7.696	41	7171	3.321	ug/l	97
49) 1,4-Dioxane	7.659	88	2907	67.721	ug/l	96
51) 4-Methyl-2-Pentanone	8.567	43	46794	16.967	ug/l	98
52) Toluene	8.714	92	14126	3.505	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	6834	3.155	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	7908	3.129	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	5685	3.490	ug/l	98
56) Ethyl methacrylate	9.116	69	8555	3.390	ug/l	98
57) 1,3-Dichloropropane	9.305	76	10127	3.508	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.238	63	20809	18.346	ug/l	99
59) 2-Hexanone	9.427	43	34853	16.651	ug/l	97
60) Dibromochloromethane	9.518	129	5500	3.102	ug/l	98
61) 1,2-Dibromoethane	9.604	107	5614	3.356	ug/l	99
64) Tetrachloroethene	9.269	164	4752	3.162	ug/l	96
65) Chlorobenzene	10.079	112	15391	3.399	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	5024	3.326	ug/l	99
67) Ethyl Benzene	10.195	91	26732	3.463	ug/l	99
68) m/p-Xylenes	10.299	106	19957	7.156	ug/l	98
69) o-Xylene	10.640	106	9398	3.343	ug/l	95
70) Styrene	10.652	104	14900	3.312	ug/l	99
71) Bromoform	10.799	173	3470	3.059	ug/l #	99
73) Isopropylbenzene	10.957	105	24201	3.266	ug/l	98
74) N-amyl acetate	10.841	43	11224	3.038	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	9170	3.479	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	7928m	2.799	ug/l	
77) Bromobenzene	11.195	156	5857	3.417	ug/l	96
78) n-propylbenzene	11.299	91	28436	3.424	ug/l	100
79) 2-Chlorotoluene	11.360	91	18672	3.336	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	20742	3.372	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	1828	2.686	ug/l	99
82) 4-Chlorotoluene	11.451	91	19966	3.245	ug/l	98
83) tert-Butylbenzene	11.713	119	21049	3.484	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	20613	3.355	ug/l	97
85) sec-Butylbenzene	11.890	105	25590	3.412	ug/l	99
86) p-Isopropyltoluene	12.006	119	20955	3.460	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	10585	3.315	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	10908	3.486	ug/l	90
89) n-Butylbenzene	12.329	91	18004	3.419	ug/l	94
90) Hexachloroethane	12.536	117	3553	3.153	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	10712	3.444	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1687	2.812	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	5720	3.359	ug/l	96
94) Hexachlorobutadiene	13.719	225	2816	3.535	ug/l	96
95) Naphthalene	13.774	128	19902	3.209	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	5745	3.217	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By : John Carlone 05/06/2025
Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

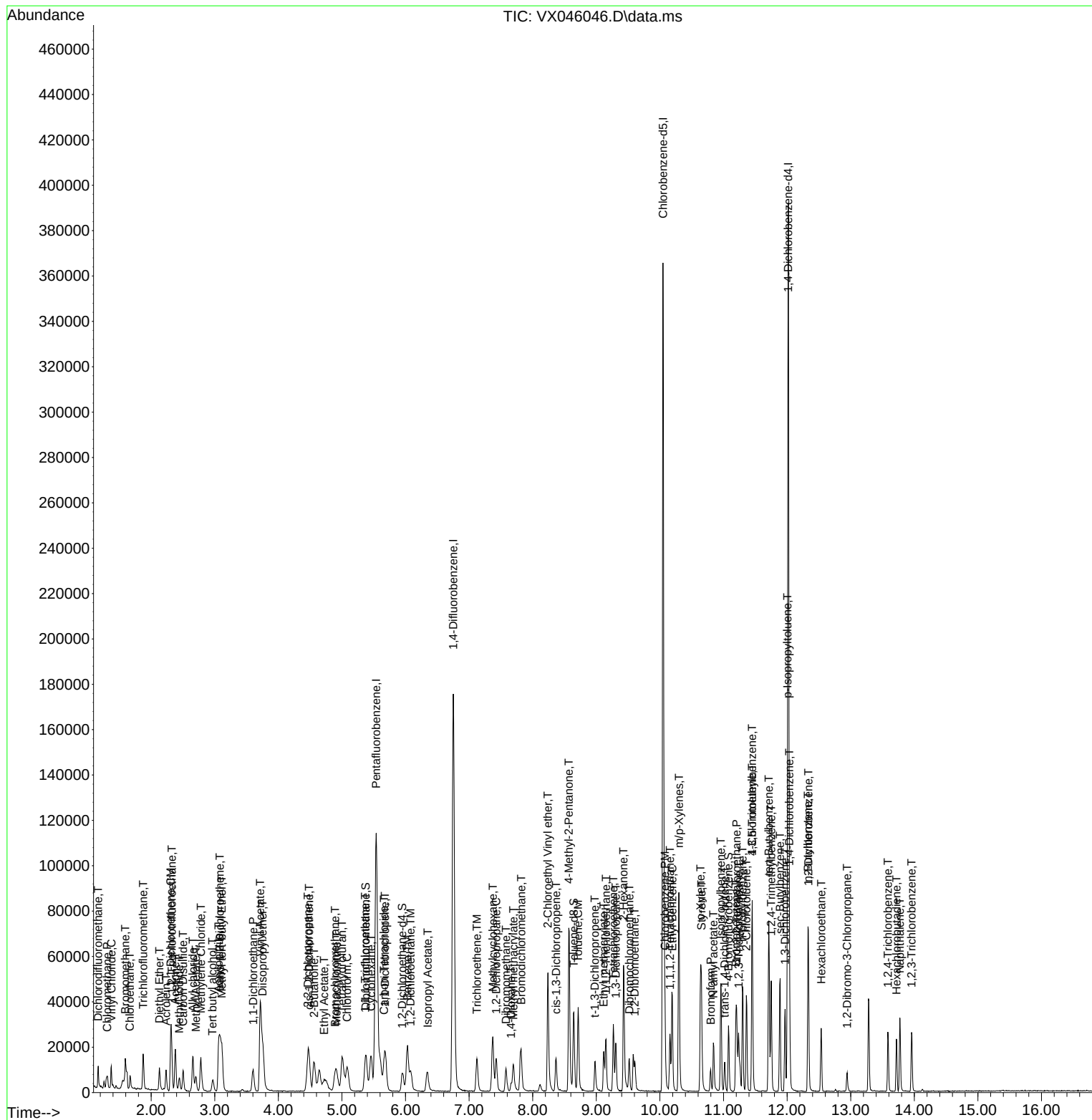
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

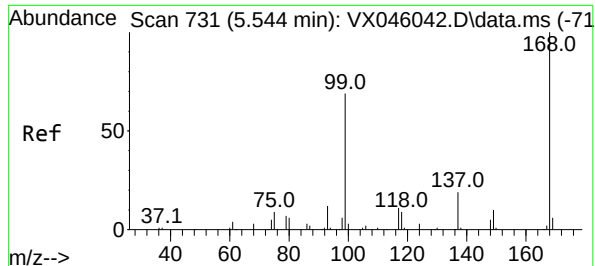
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025





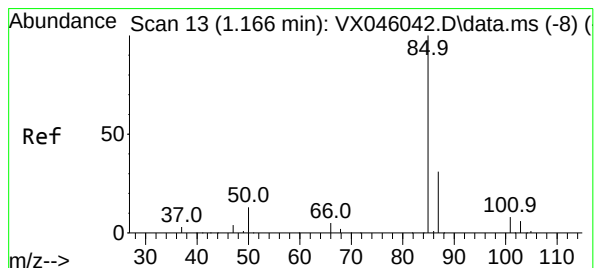
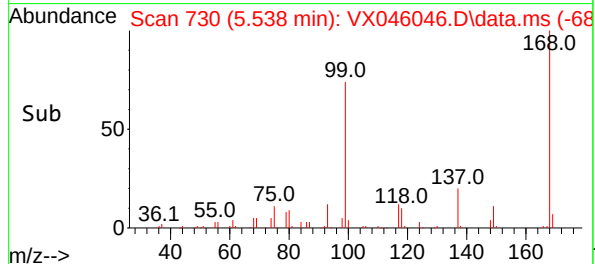
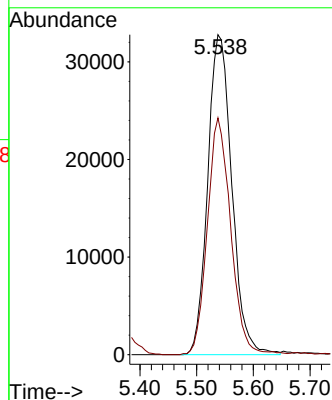
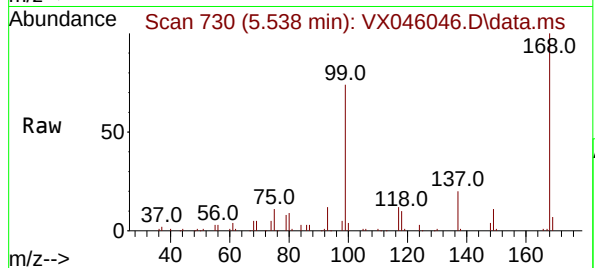
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 9696
Ion Ratio Lower Upper
168 100
99 74.0 54.9 82.3

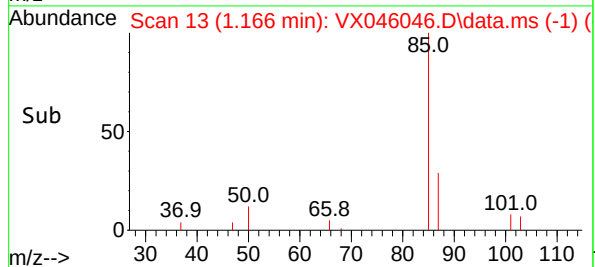
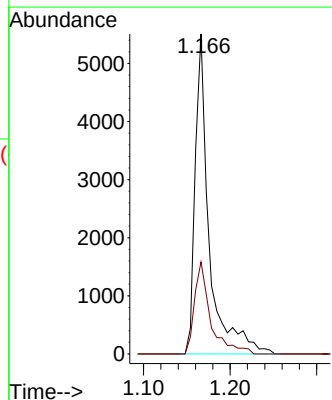
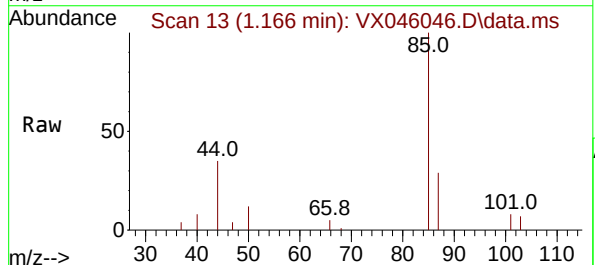
Manual Integrations
APPROVED

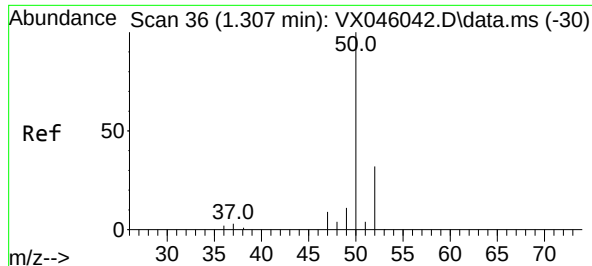
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#2
Dichlorodifluoromethane
Concen: 2.894 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 85 Resp: 6195
Ion Ratio Lower Upper
85 100
87 28.7 15.7 47.1





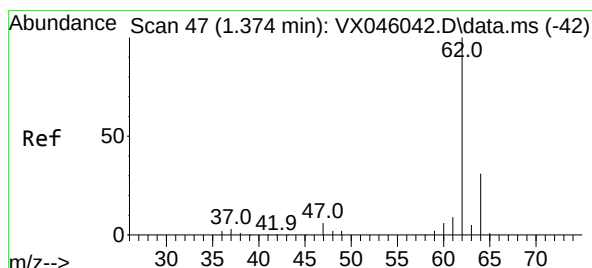
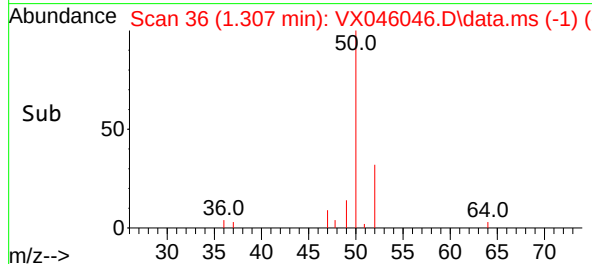
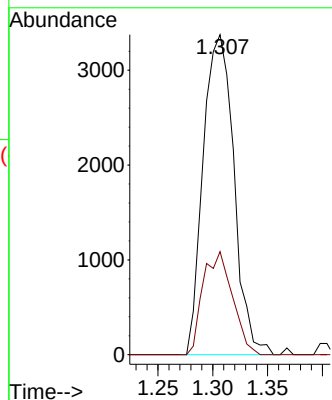
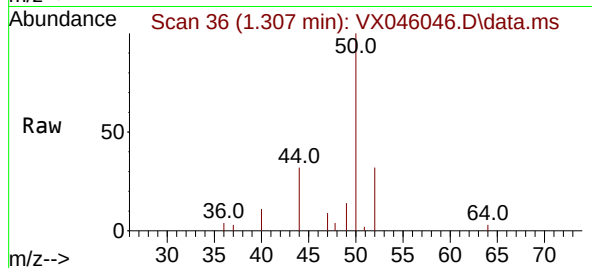
#3
Chloromethane
Concen: 3.125 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 50 Resp: 658
Ion Ratio Lower Upper
50 100
52 32.2 25.4 38.2

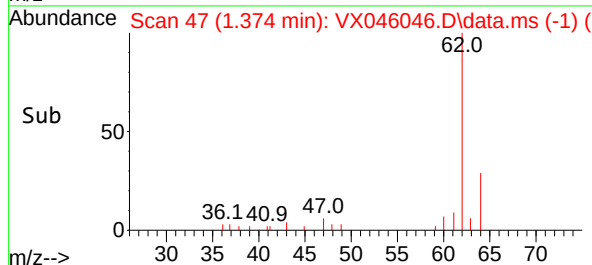
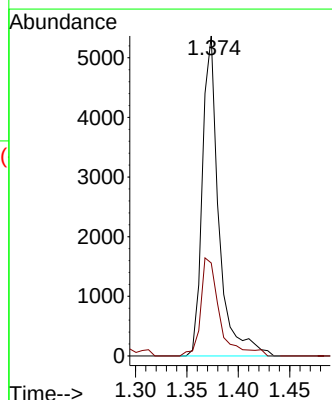
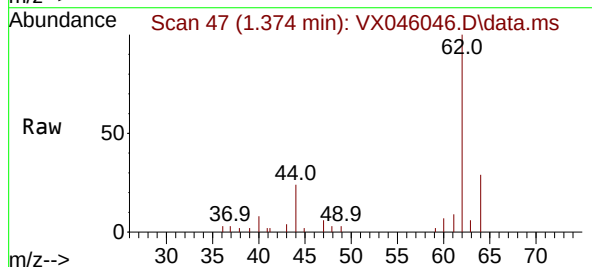
Manual Integrations
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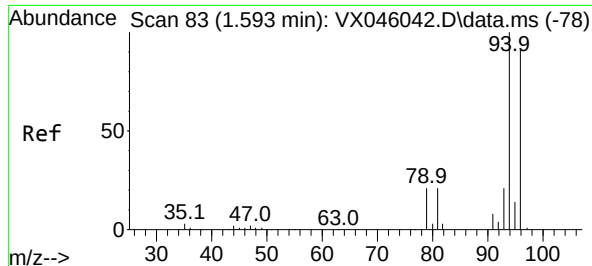
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#4
Vinyl Chloride
Concen: 3.249 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

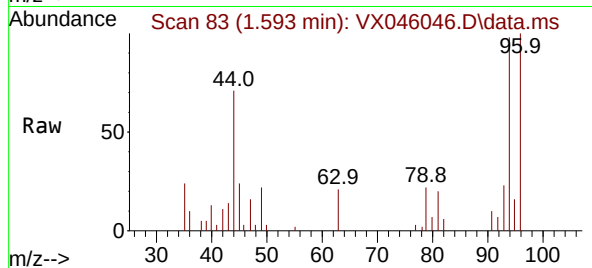
Tgt Ion: 62 Resp: 5999
Ion Ratio Lower Upper
62 100
64 29.1 25.2 37.8





#5
Bromomethane
Concen: 3.164 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

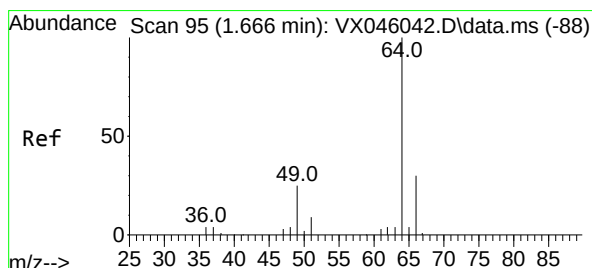
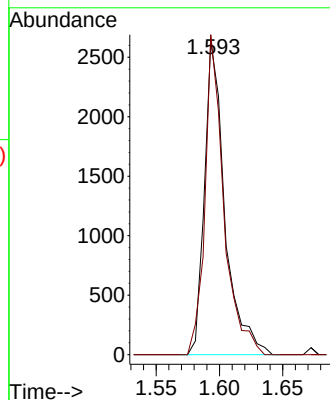
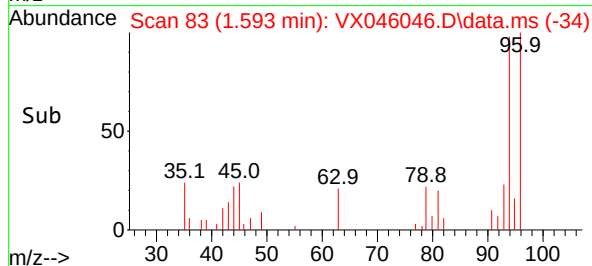
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 94 Resp: 2962
Ion Ratio Lower Upper
94 100
96 102.2 72.8 109.2

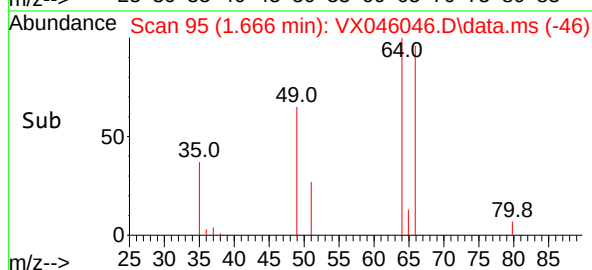
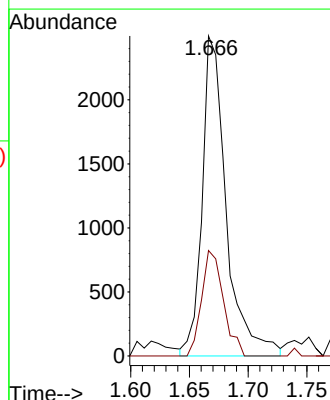
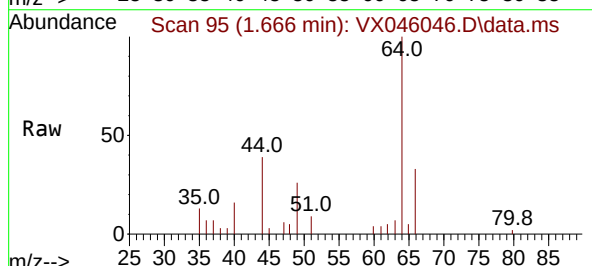
Manual Integrations
APPROVED

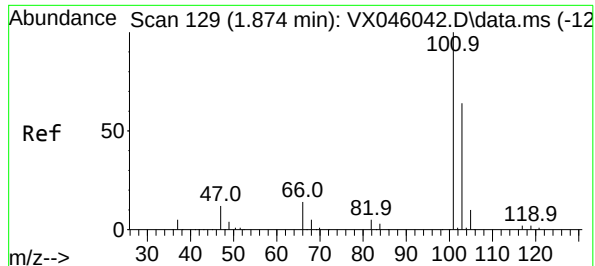
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#6
Chloroethane
Concen: 3.750 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

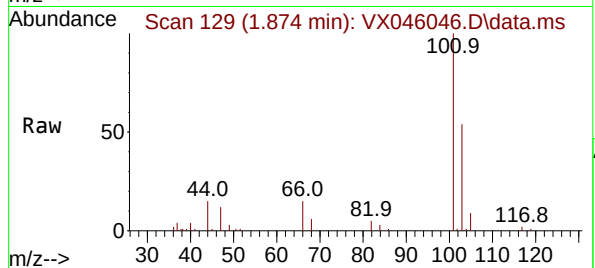
Tgt Ion: 64 Resp: 3567
Ion Ratio Lower Upper
64 100
66 33.7 24.3 36.5





#7
Trichlorofluoromethane
Concen: 3.413 ug/l
RT: 1.874 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

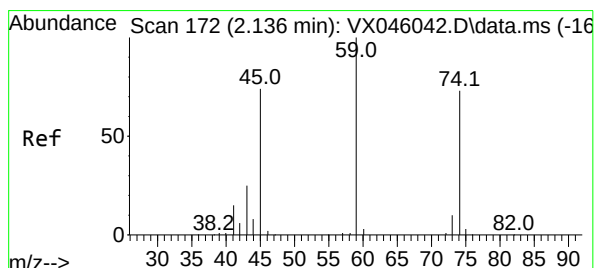
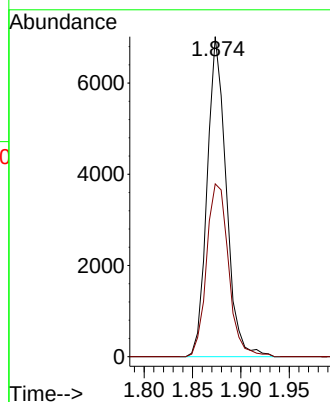
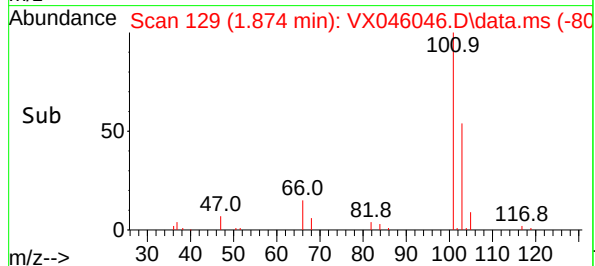
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:101 Resp: 959
Ion Ratio Lower Upper
101 100
103 54.0 51.0 76.4

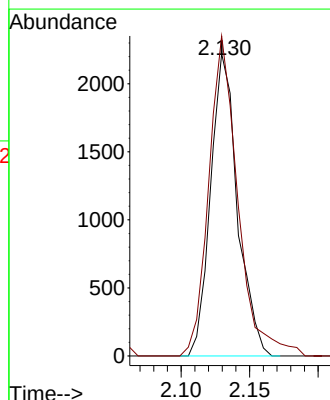
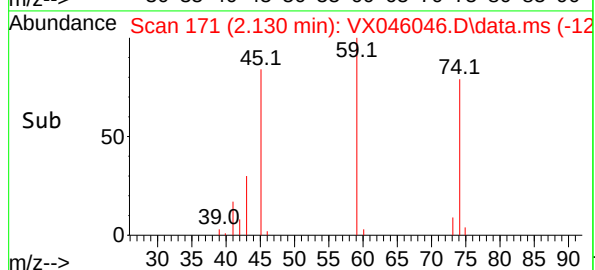
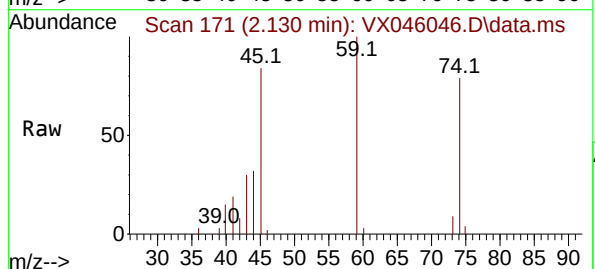
Manual Integrations
APPROVED

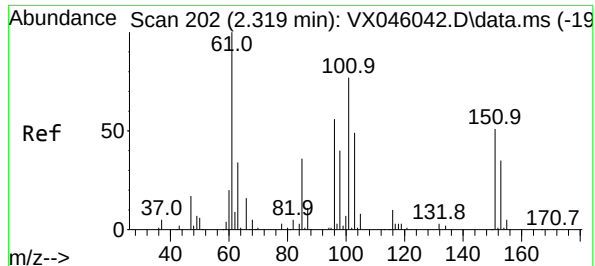
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#8
Diethyl Ether
Concen: 3.266 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 74 Resp: 3020
Ion Ratio Lower Upper
74 100
45 115.1 54.9 164.8





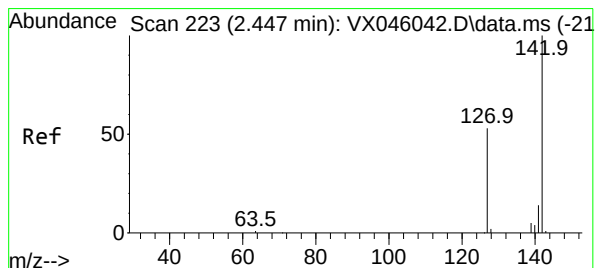
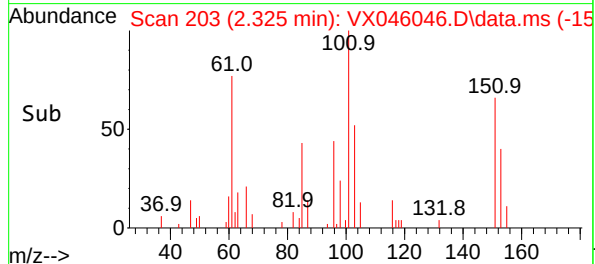
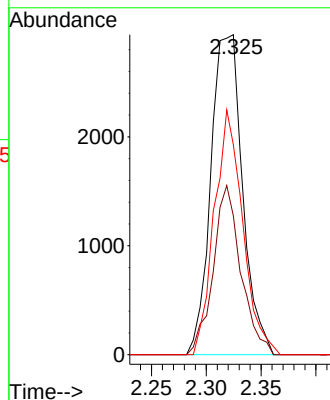
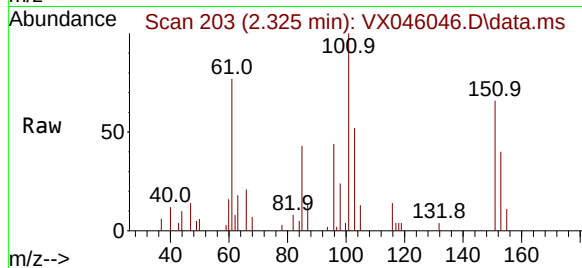
#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.517 ug/l
RT: 2.325 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 591
Ion Ratio Lower Upper
101 100
85 46.3 38.6 58.0
151 68.8 55.2 82.8

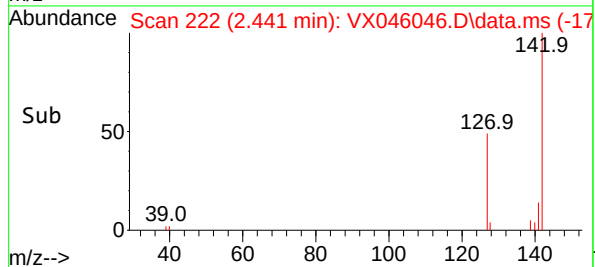
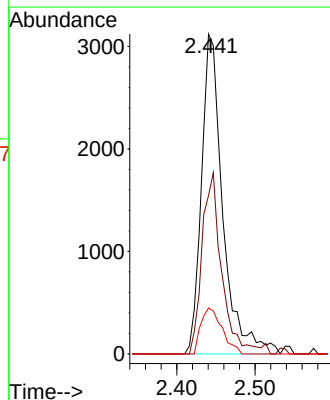
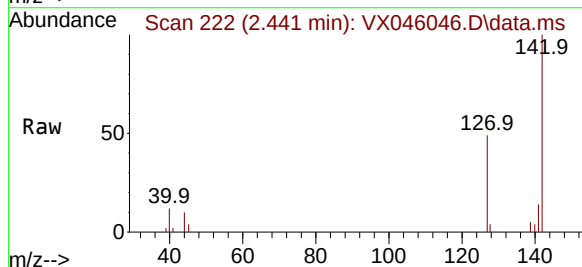
Manual Integrations
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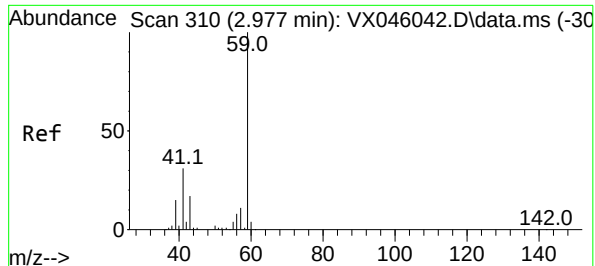
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#10
Methyl Iodide
Concen: 2.990 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:142 Resp: 5900
Ion Ratio Lower Upper
142 100
127 52.8 41.7 62.5
141 14.3 11.5 17.3





#11

Tert butyl alcohol

Concen: 16.111 ug/l

RT: 2.965 min Scan# 30

Delta R.T. -0.012 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 553

Ion Ratio Lower Upper

59 100

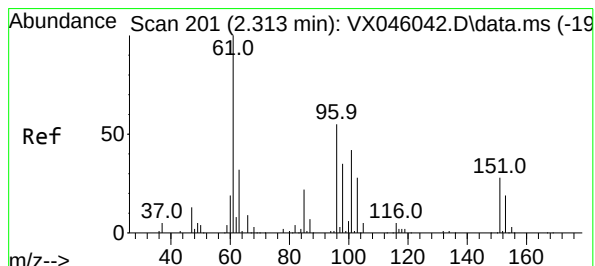
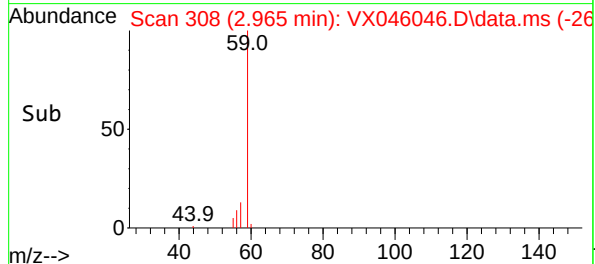
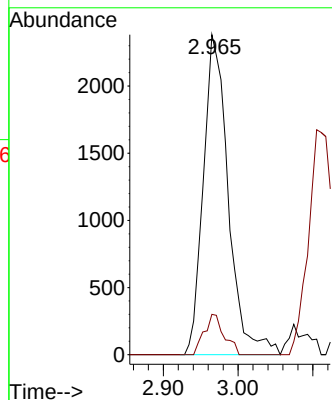
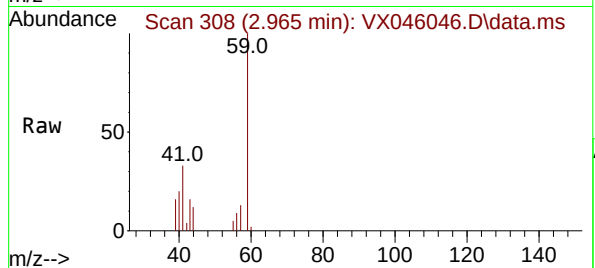
57 10.0 8.6 12.8

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#12

1,1-Dichloroethene

Concen: 3.359 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

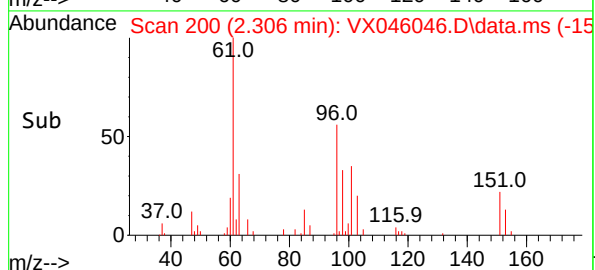
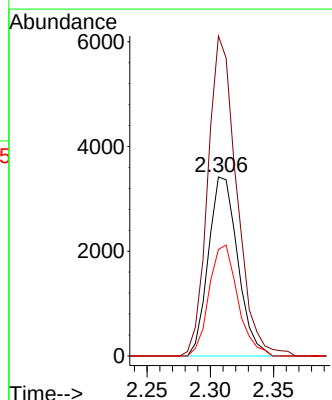
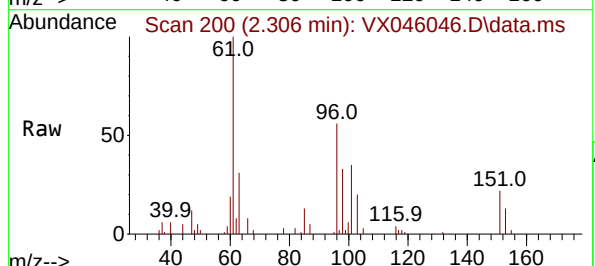
Tgt Ion: 96 Resp: 5496

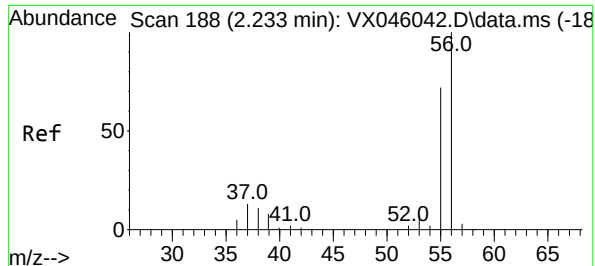
Ion Ratio Lower Upper

96 100

61 178.7 146.2 219.2

98 59.5 51.0 76.6





#13

Acrolein

Concen: 14.206 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 567

Ion Ratio Lower Upper

56 100

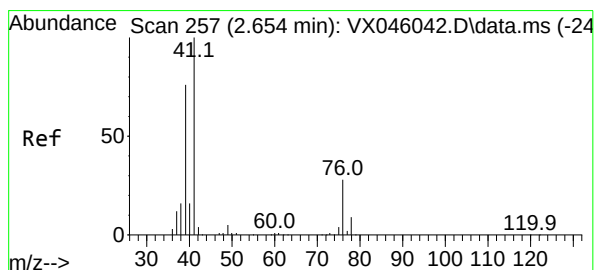
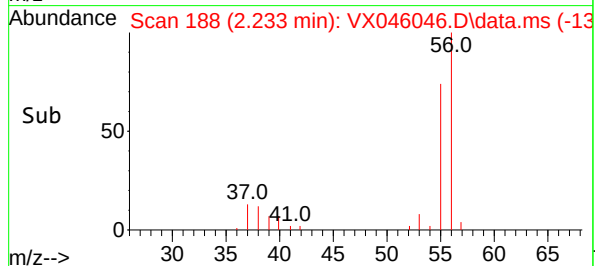
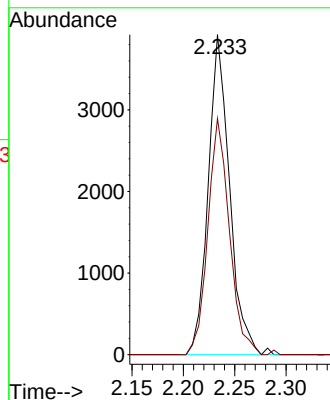
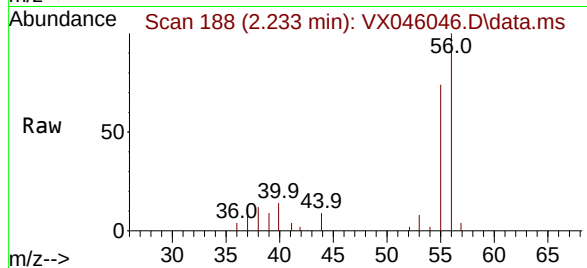
55 74.5 56.2 84.4

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#14

Allyl chloride

Concen: 3.319 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

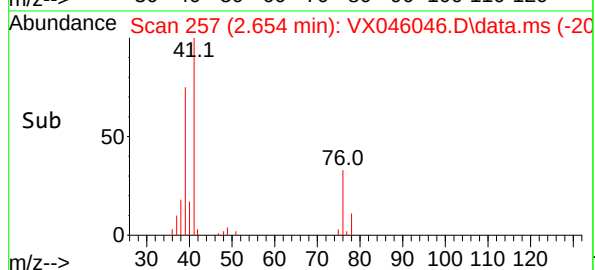
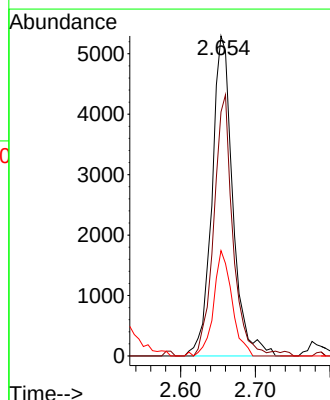
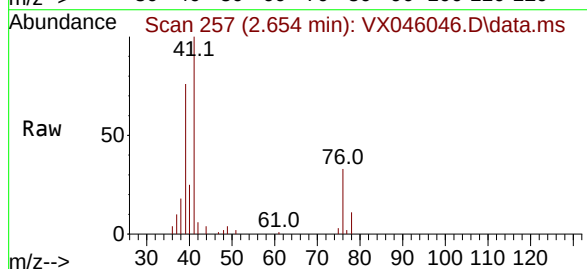
Tgt Ion: 41 Resp: 10262

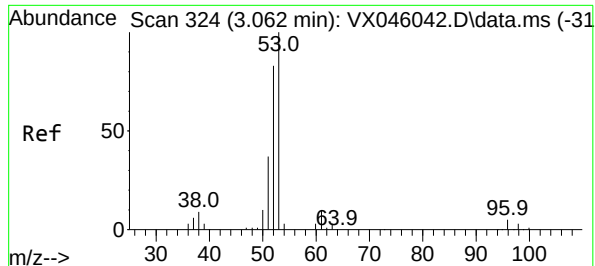
Ion Ratio Lower Upper

41 100

39 74.1 60.6 90.8

76 29.1 24.9 37.3





#15

Acrylonitrile

Concen: 16.282 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

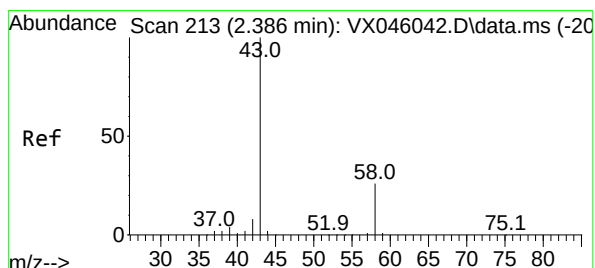
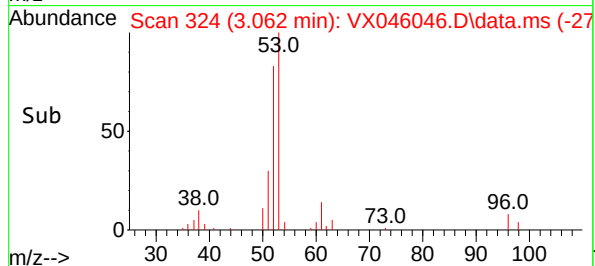
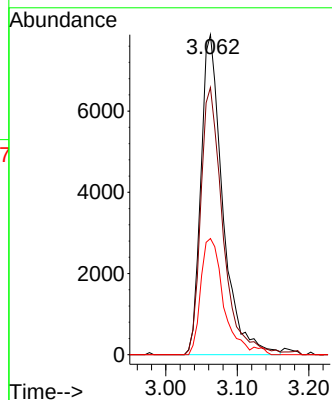
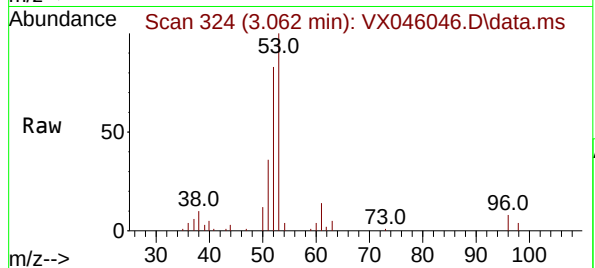
Tgt Ion:	53	Resp:	16740
Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.3	97.9
51	38.5	29.8	44.8

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#16

Acetone

Concen: 20.036 ug/l

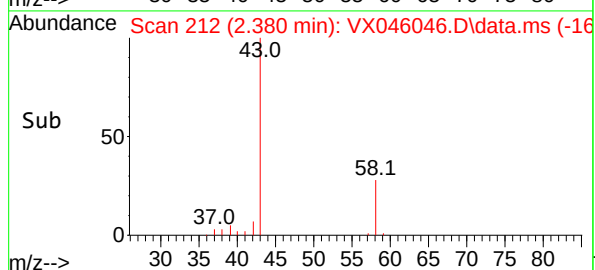
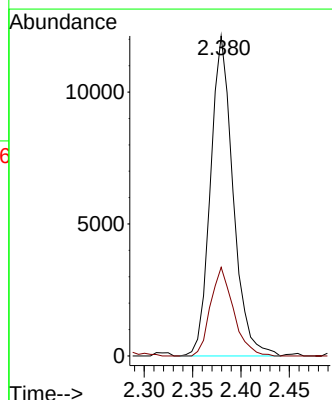
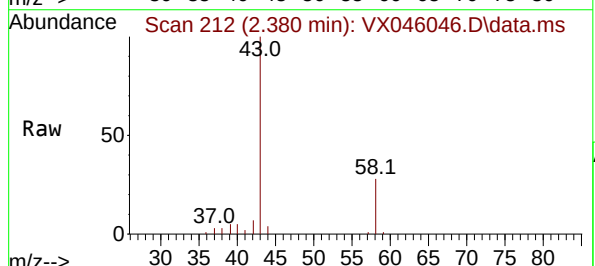
RT: 2.380 min Scan# 212

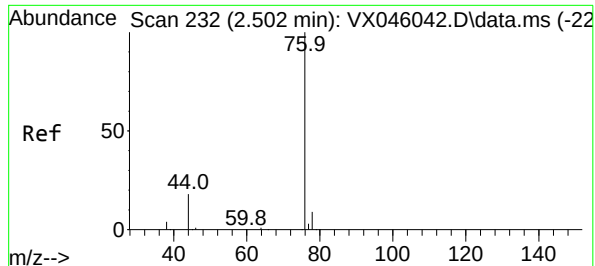
Delta R.T. -0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Tgt Ion:	43	Resp:	19773
Ion	Ratio	Lower	Upper
43	100		
58	27.7	21.2	31.8





#17

Carbon Disulfide

Concen: 2.919 ug/l

RT: 2.501 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX046046.D

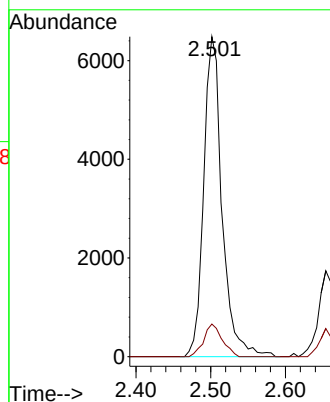
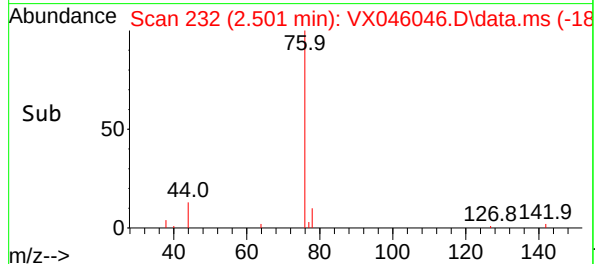
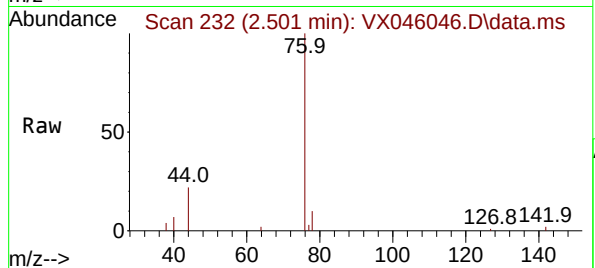
Acq: 05 May 2025 16:04

Tgt Ion: 76 Resp: 11068

Ion Ratio Lower Upper

76 100

78 10.2 7.0 10.4



Instrument :

MSVOA_X

ClientSampleId :

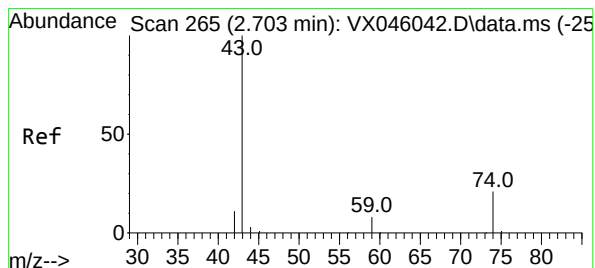
VSTDIC005

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#18

Methyl Acetate

Concen: 3.357 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX046046.D

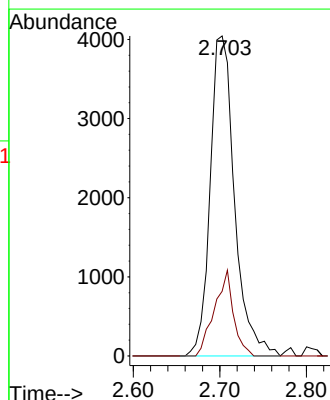
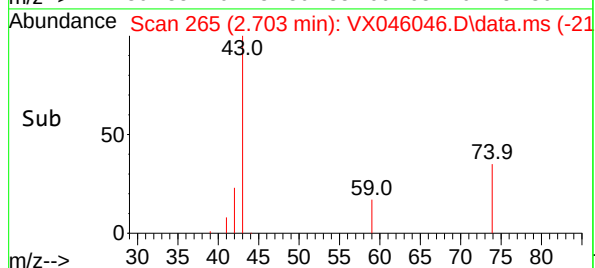
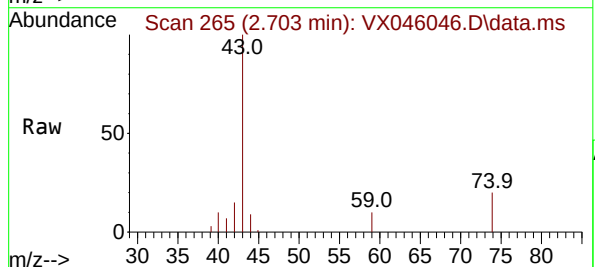
Acq: 05 May 2025 16:04

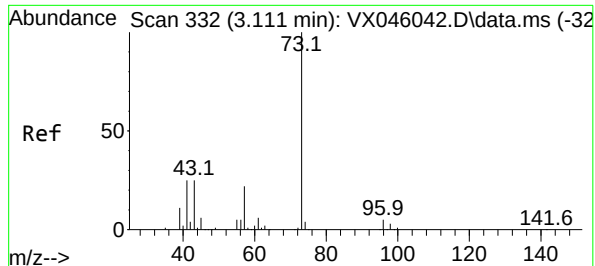
Tgt Ion: 43 Resp: 7909

Ion Ratio Lower Upper

43 100

74 20.9 16.7 25.1





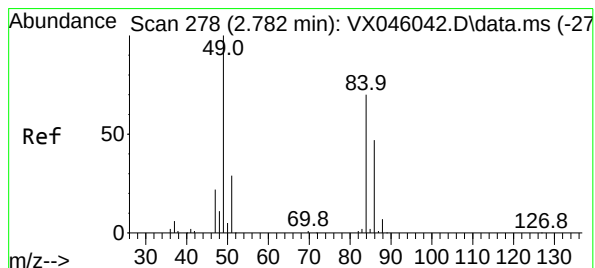
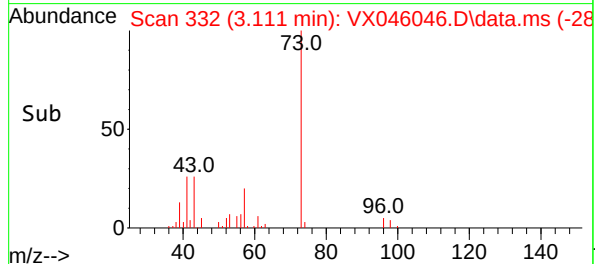
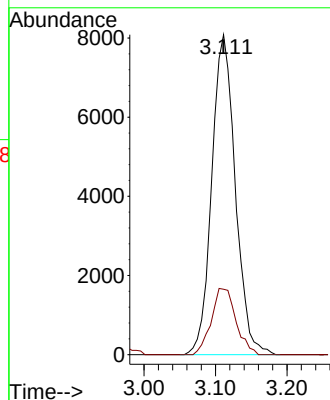
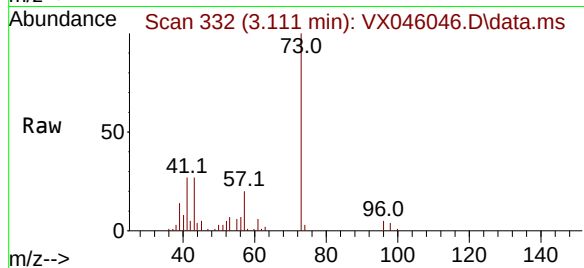
#19
Methyl tert-butyl Ether
Concen: 3.241 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 1849
Ion Ratio Lower Upper
73 100
57 20.5 17.7 26.5

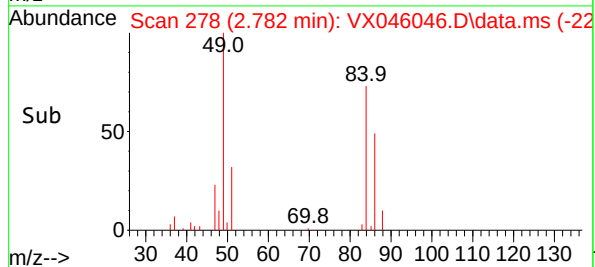
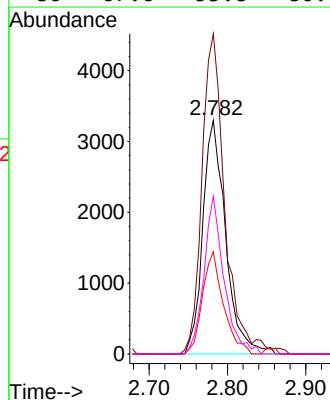
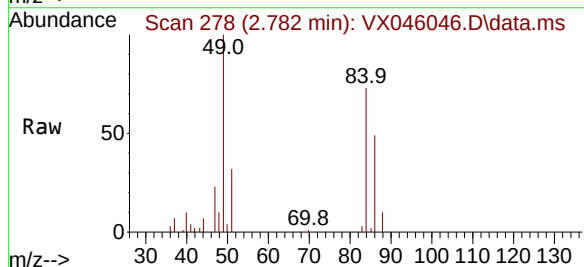
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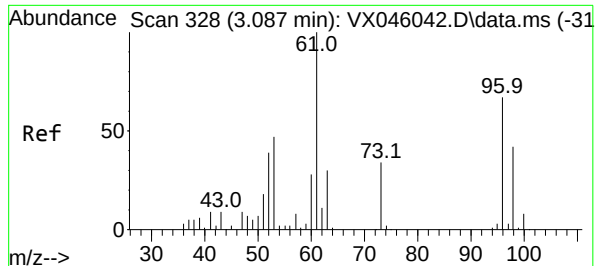
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#20
Methylene Chloride
Concen: 3.341 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

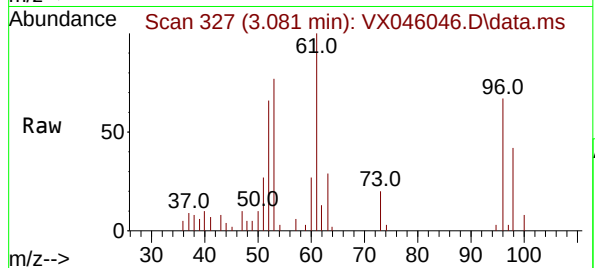
Tgt Ion: 84 Resp: 6680
Ion Ratio Lower Upper
84 100
49 137.0 113.9 170.9
51 43.8 33.5 50.3
86 67.6 53.8 80.8





#21
trans-1,2-Dichloroethene
Concen: 3.234 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

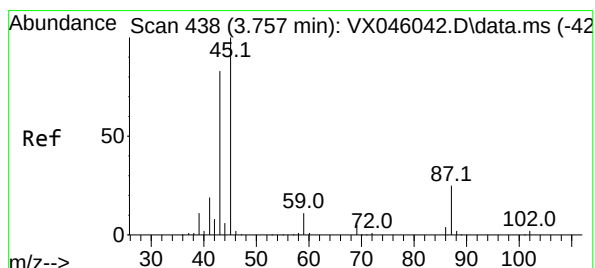
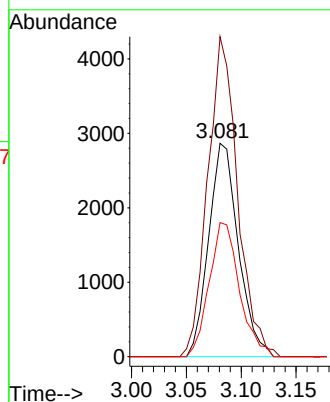
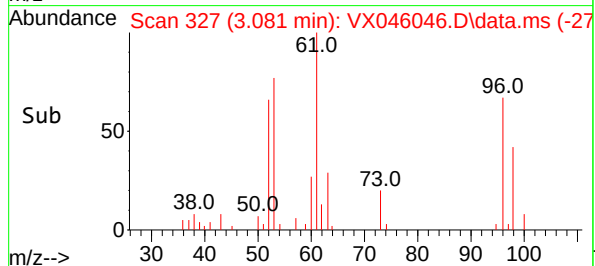
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 540
Ion Ratio Lower Upper
96 100
61 149.9 119.5 179.3
98 62.9 50.0 75.0

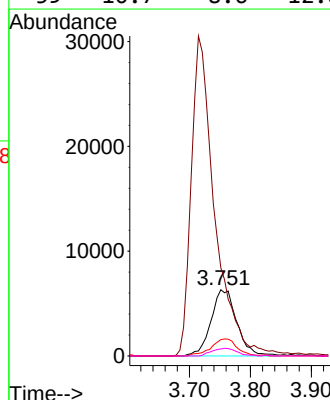
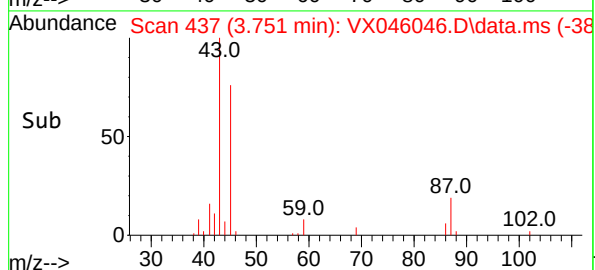
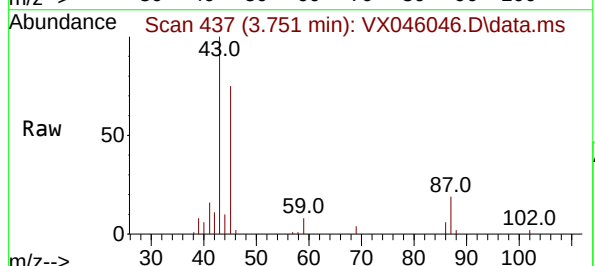
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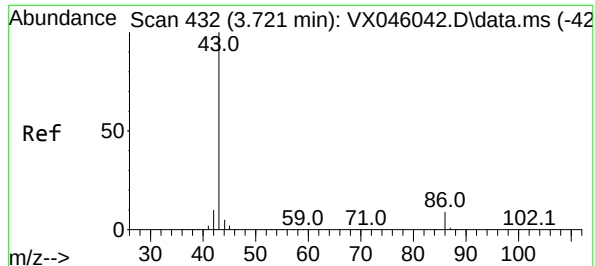
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#22
Diisopropyl ether
Concen: 3.230 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 45 Resp: 18657
Ion Ratio Lower Upper
45 100
43 128.0 66.6 100.0#
87 24.7 19.8 29.6
59 10.7 8.6 12.8





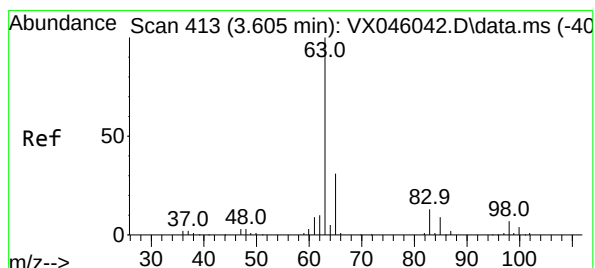
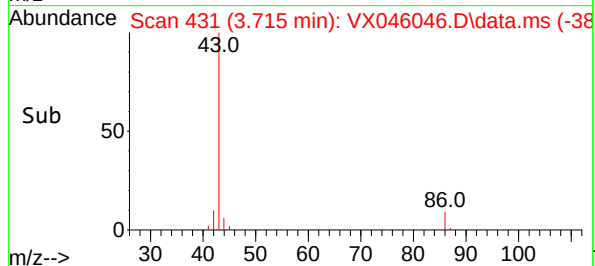
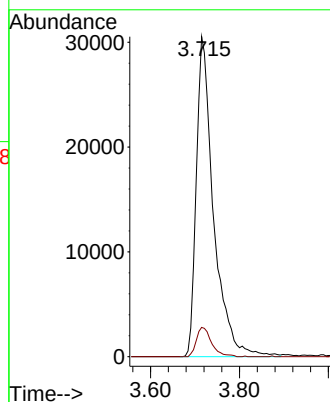
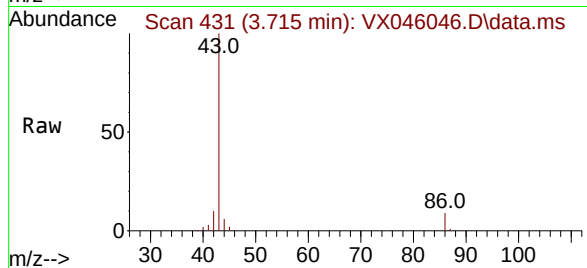
#23
Vinyl Acetate
Concen: 16.127 ug/l
RT: 3.715 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 82328
Ion Ratio Lower Upper
43 100
86 9.1 7.5 11.3

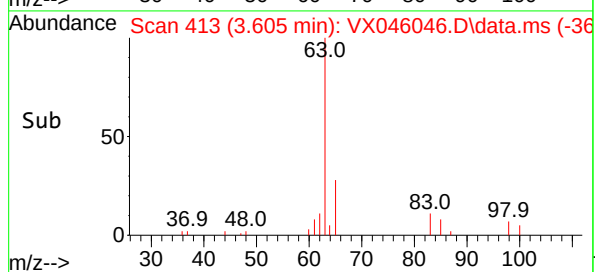
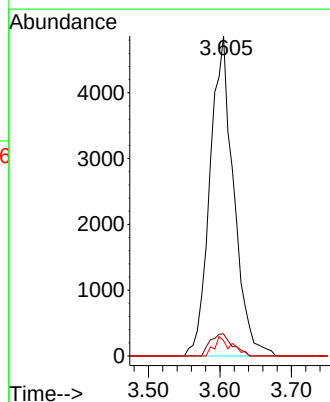
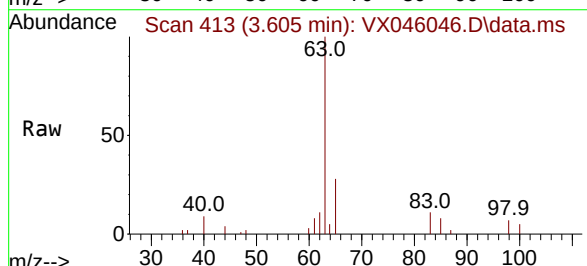
Manual Integrations
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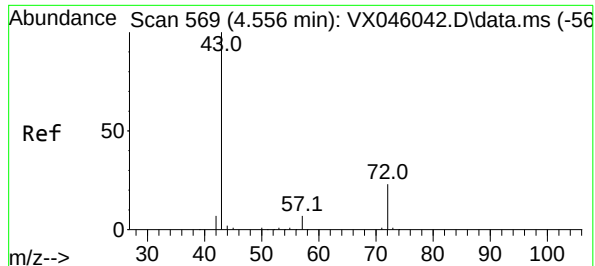
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#24
1,1-Dichloroethane
Concen: 3.297 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 11193
Ion Ratio Lower Upper
63 100
98 6.9 3.6 10.8
100 4.7 2.1 6.3





#25

2-Butanone

Concen: 18.340 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 2612

Ion Ratio Lower Upper

43 100

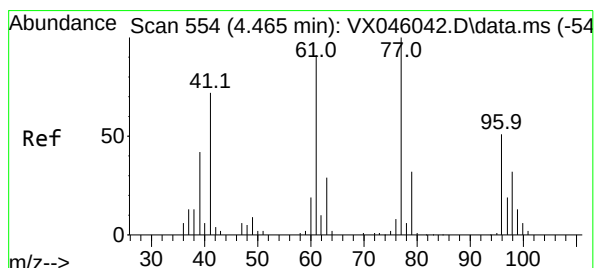
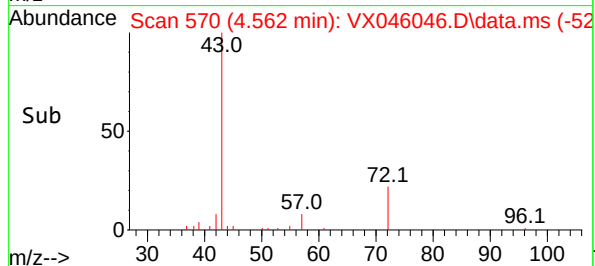
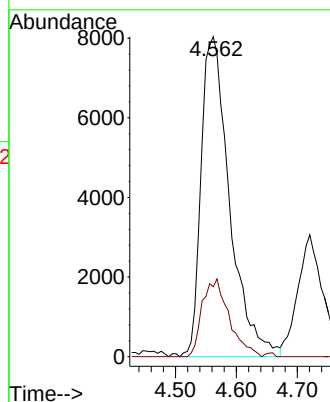
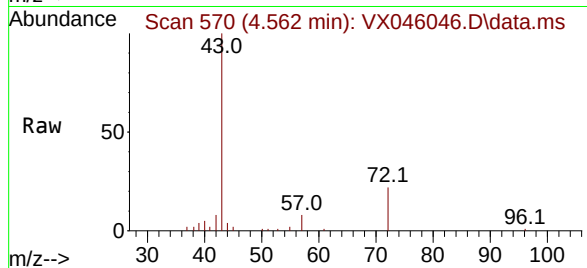
72 21.8 18.4 27.6

Manual Integrations

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#26

2,2-Dichloropropane

Concen: 3.205 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX046046.D

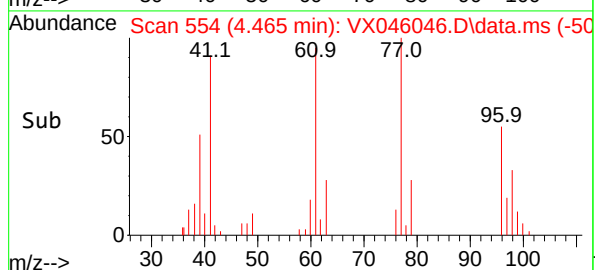
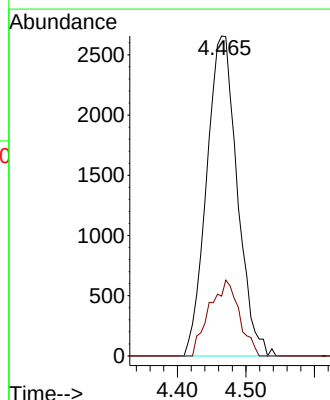
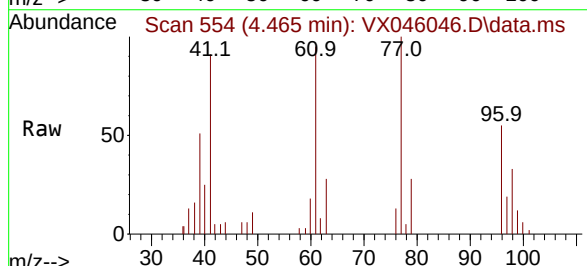
Acq: 05 May 2025 16:04

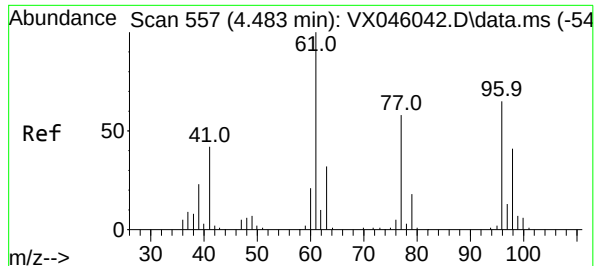
Tgt Ion: 77 Resp: 8245

Ion Ratio Lower Upper

77 100

97 23.1 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 3.089 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 622

Ion Ratio Lower Upper

96 100

61 168.5 0.0 322.8

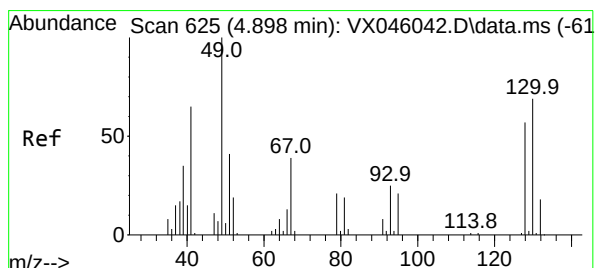
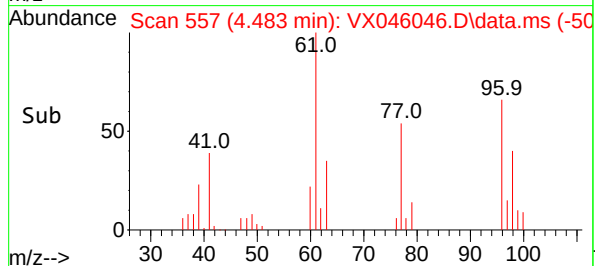
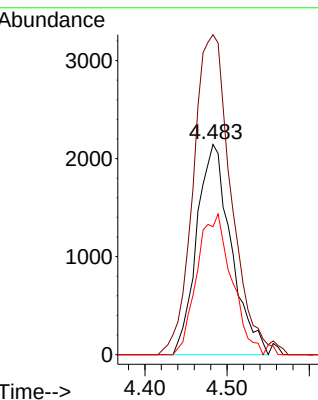
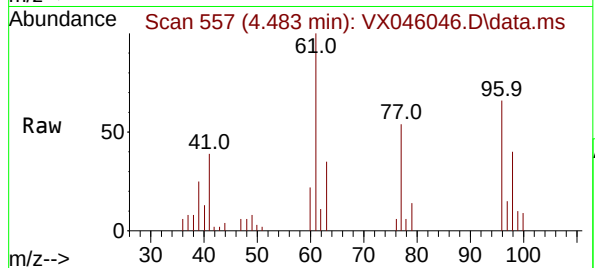
98 67.6 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#28

Bromochloromethane

Concen: 2.969 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

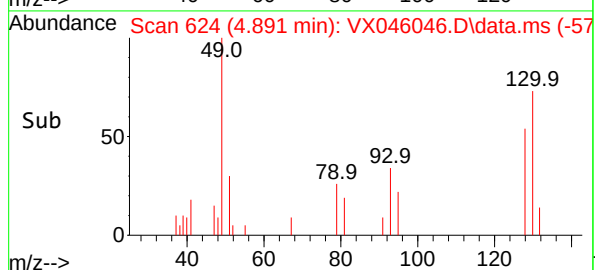
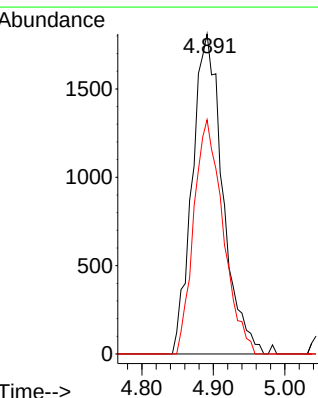
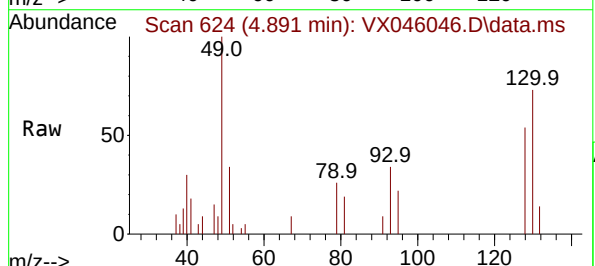
Tgt Ion: 49 Resp: 5360

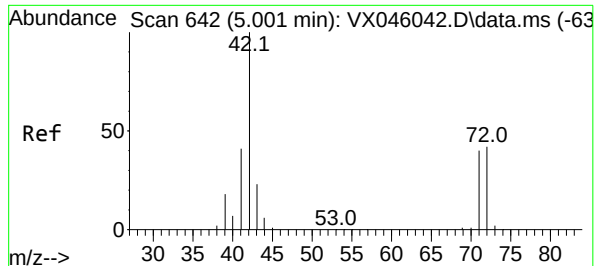
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 70.5 56.2 84.2





#29

Tetrahydrofuran

Concen: 16.680 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 42 Resp: 1543

Ion Ratio Lower Upper

42 100

72 42.2 33.7 50.5

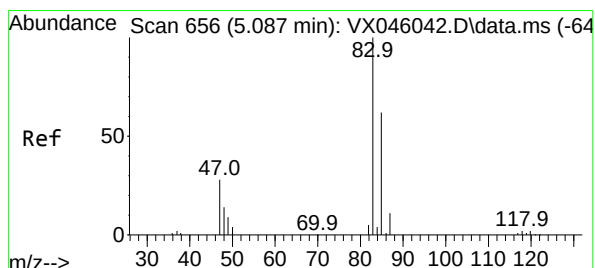
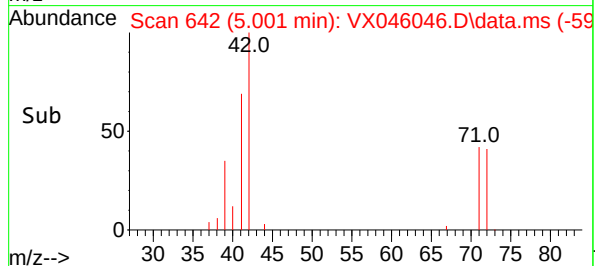
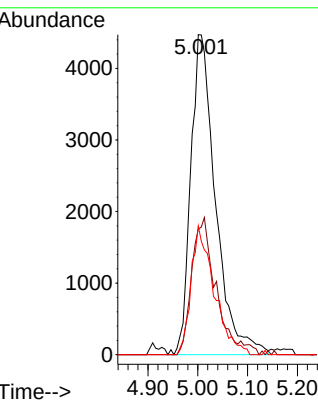
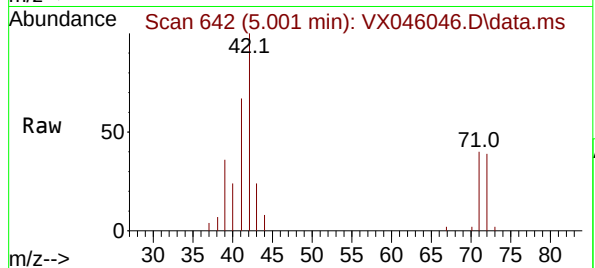
71 37.4 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#30

Chloroform

Concen: 3.294 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX046046.D

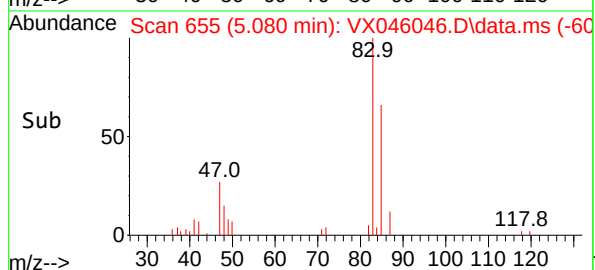
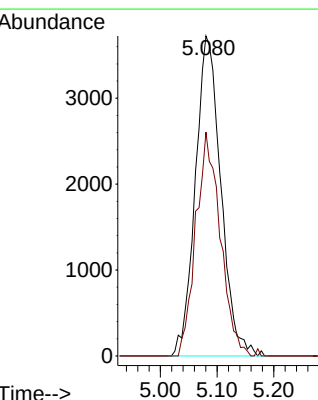
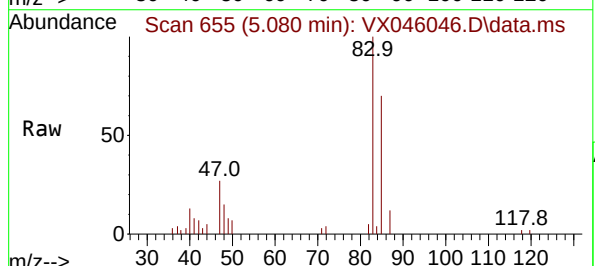
Acq: 05 May 2025 16:04

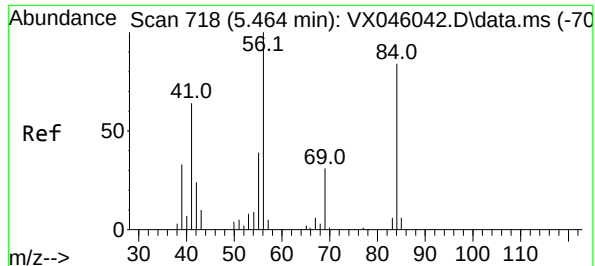
Tgt Ion: 83 Resp: 11624

Ion Ratio Lower Upper

83 100

85 69.9 49.3 73.9





#31

Cyclohexane

Concen: 3.588 ug/l

RT: 5.458 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 10269

Ion Ratio Lower Upper

56 100

69 31.6 24.4 36.6

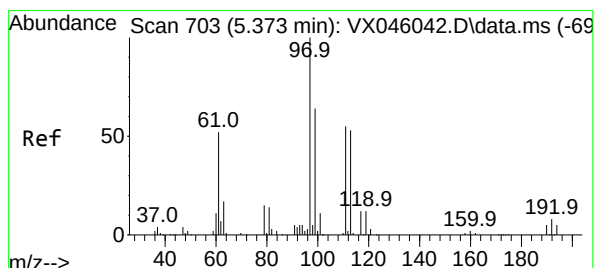
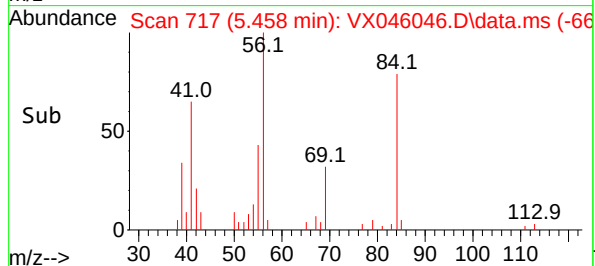
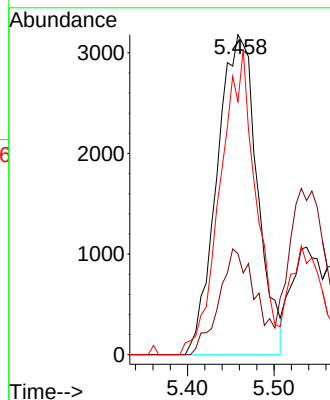
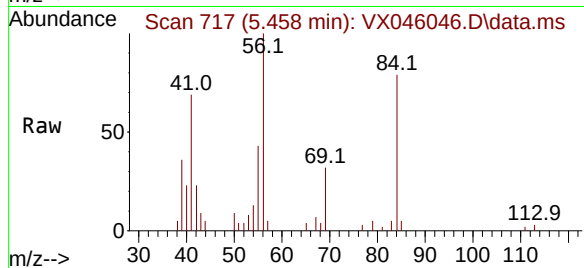
84 79.1 66.9 100.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#32

1,1,1-Trichloroethane

Concen: 3.229 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

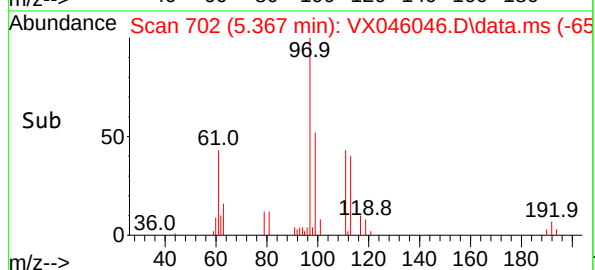
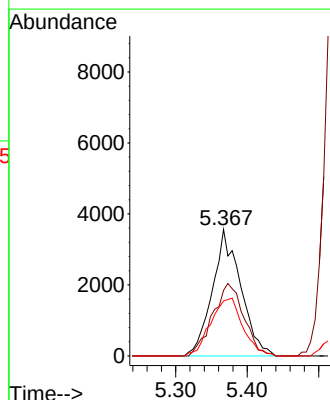
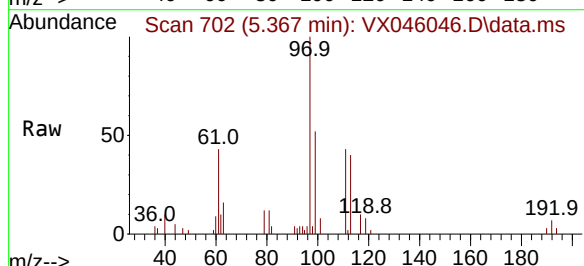
Tgt Ion: 97 Resp: 9827

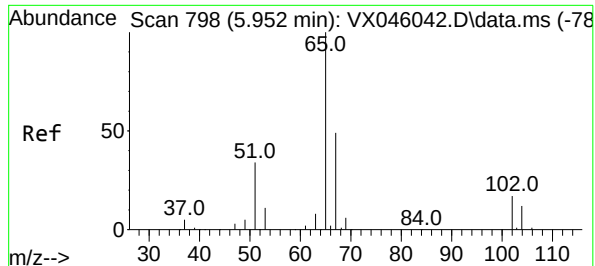
Ion Ratio Lower Upper

97 100

99 62.6 51.8 77.6

61 51.8 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 3.143 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 906

Ion Ratio Lower Upper

65 100

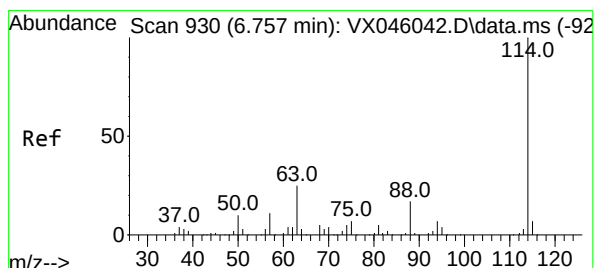
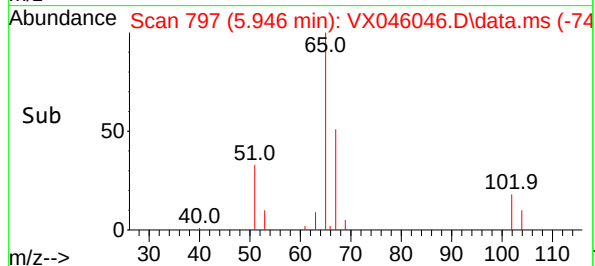
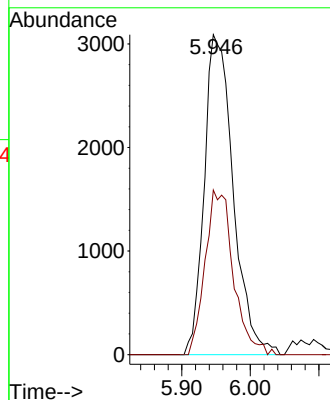
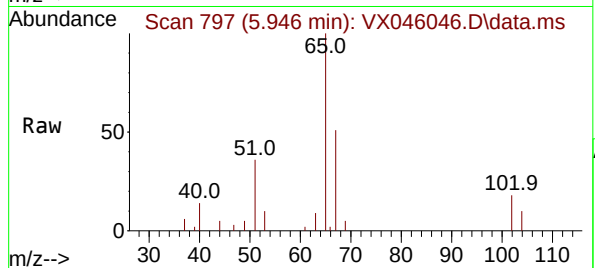
67 50.1 0.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

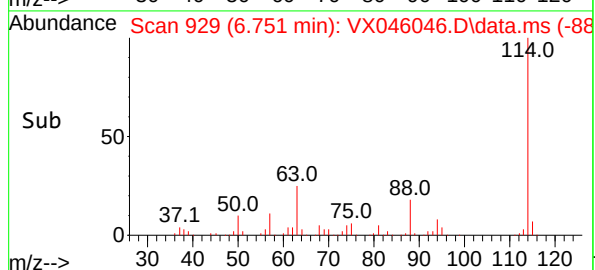
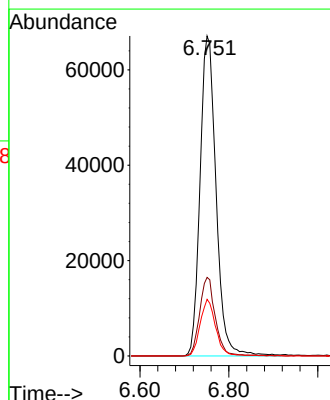
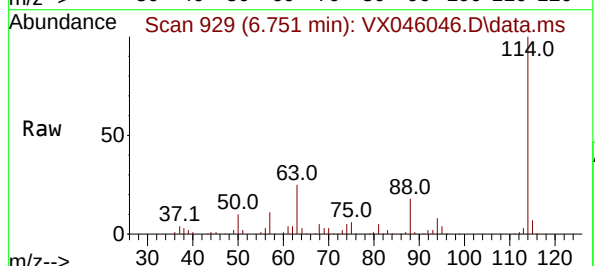
Tgt Ion:114 Resp: 168484

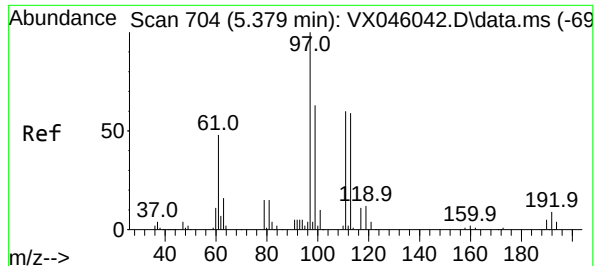
Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.2

88 17.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 3.161 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

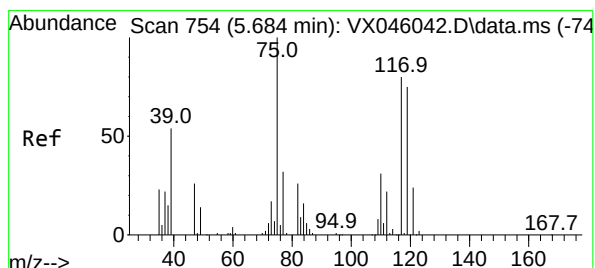
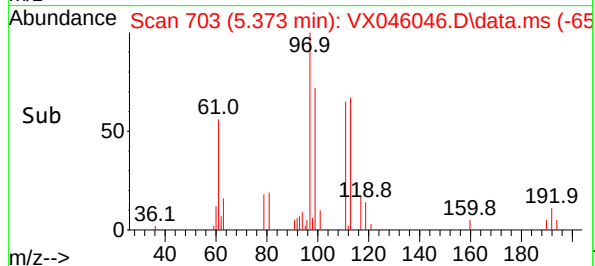
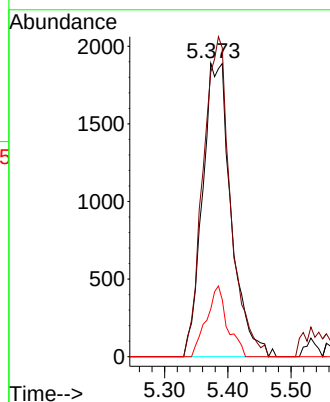
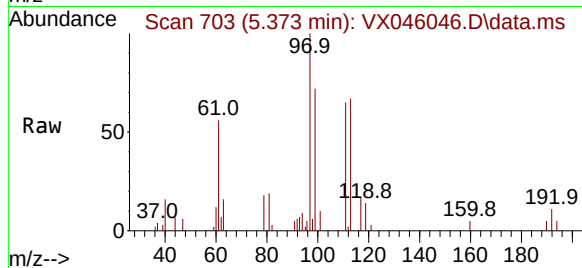
Tgt Ion:	113	Resp:	596
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.1	124.7
192	17.5	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#36

1,1-Dichloropropene

Concen: 3.551 ug/l

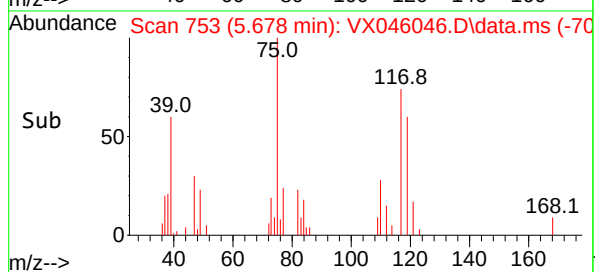
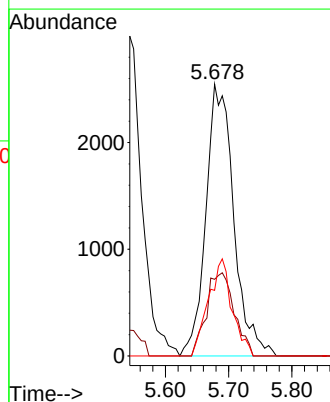
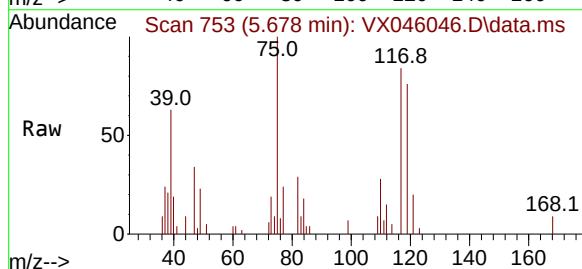
RT: 5.678 min Scan# 753

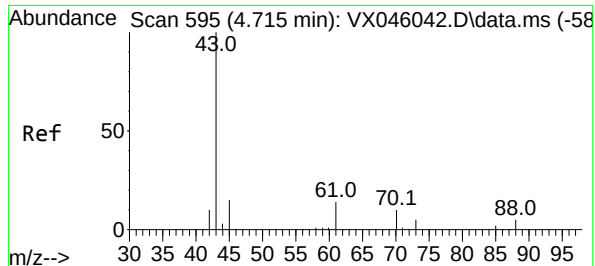
Delta R.T. -0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Tgt Ion:	75	Resp:	7787
Ion	Ratio	Lower	Upper
75	100		
110	30.6	16.3	48.9
77	30.5	24.3	36.5





#37

Ethyl Acetate

Concen: 3.565 ug/l m

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 9800

Ion Ratio Lower Upper

43 100

61 11.0 10.3 15.5

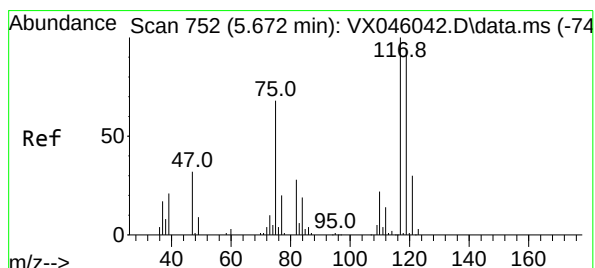
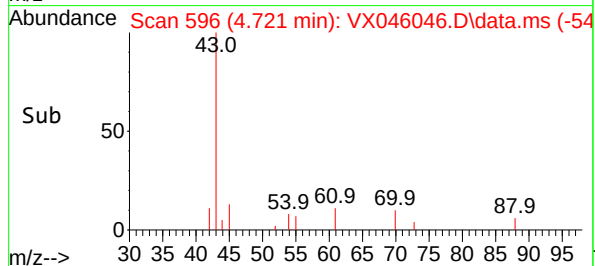
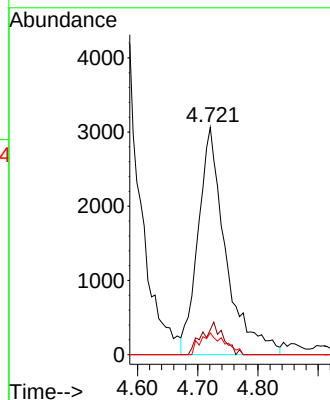
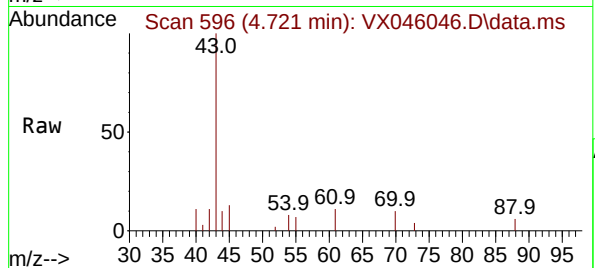
70 8.4 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#38

Carbon Tetrachloride

Concen: 3.376 ug/l

RT: 5.659 min Scan# 750

Delta R.T. -0.012 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

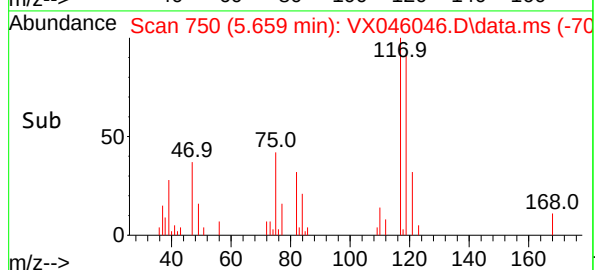
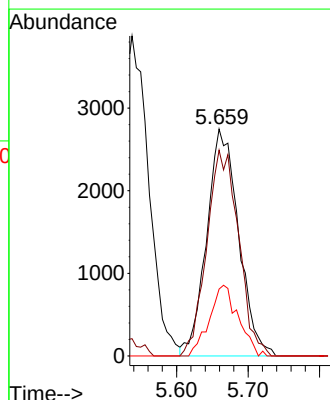
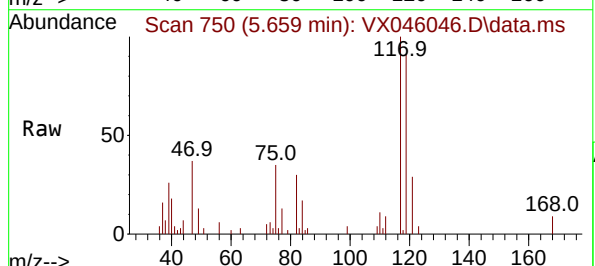
Tgt Ion:117 Resp: 8505

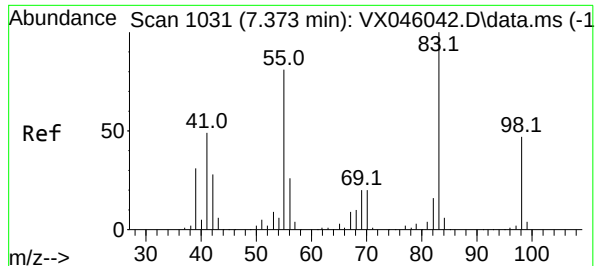
Ion Ratio Lower Upper

117 100

119 90.6 75.2 112.8

121 29.5 24.2 36.4





#39

Methylcyclohexane

Concen: 3.597 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 83 Resp: 988

Ion Ratio Lower Upper

83 100

55 73.3 64.7 97.1

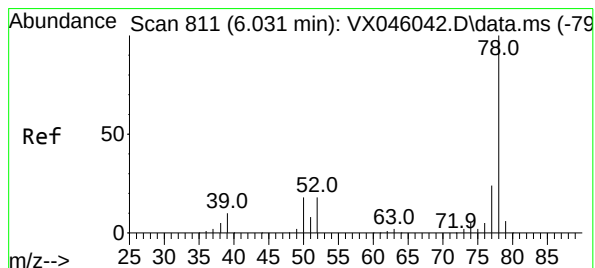
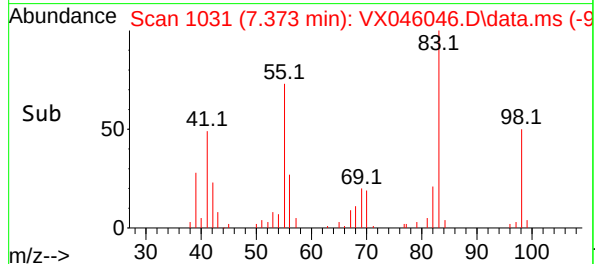
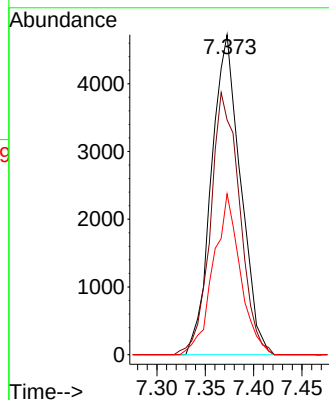
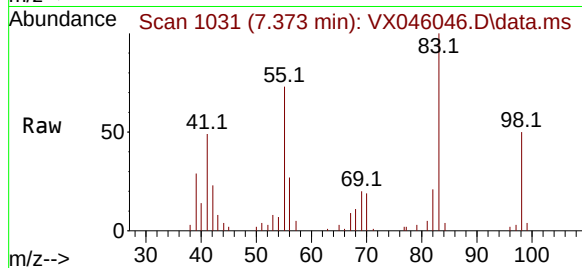
98 50.3 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#40

Benzene

Concen: 3.315 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX046046.D

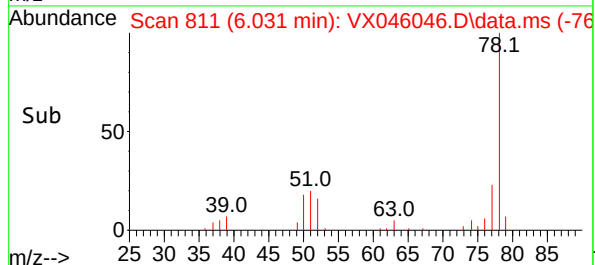
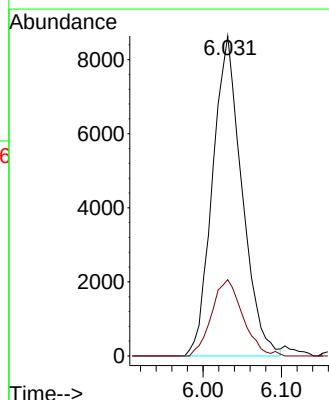
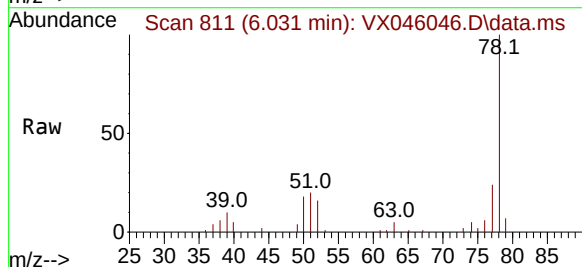
Acq: 05 May 2025 16:04

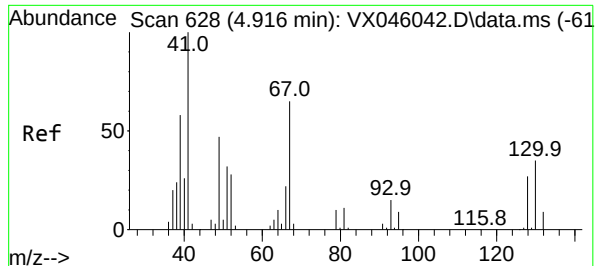
Tgt Ion: 78 Resp: 22528

Ion Ratio Lower Upper

78 100

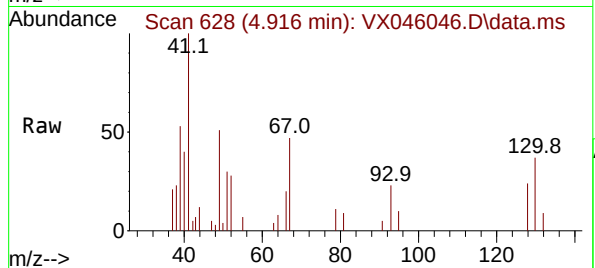
77 23.9 19.0 28.4





#41
Methacrylonitrile
Concen: 3.174 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

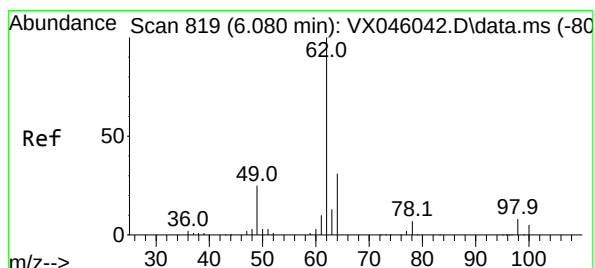
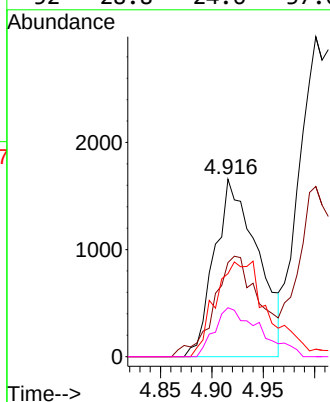
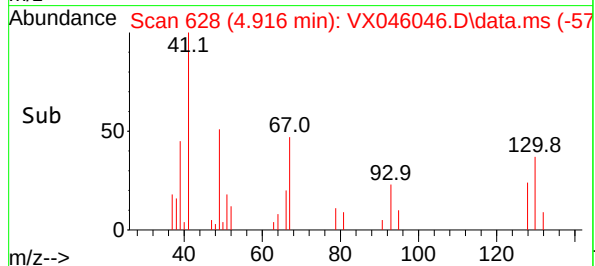
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 41 Resp: 485
Ion Ratio Lower Upper
41 100
39 59.7 47.2 70.8
67 0.0 50.7 76.1
52 28.8 24.6 37.0

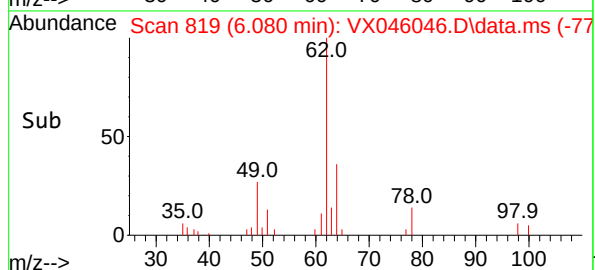
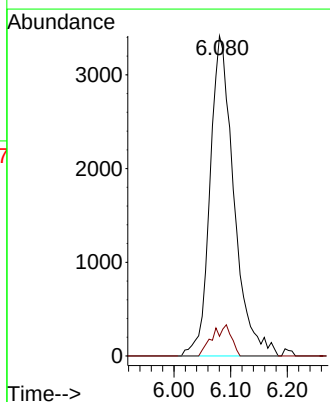
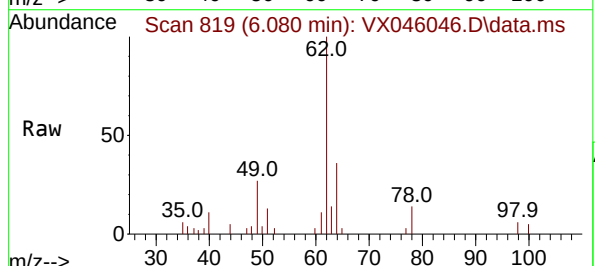
Manual Integrations
APPROVED

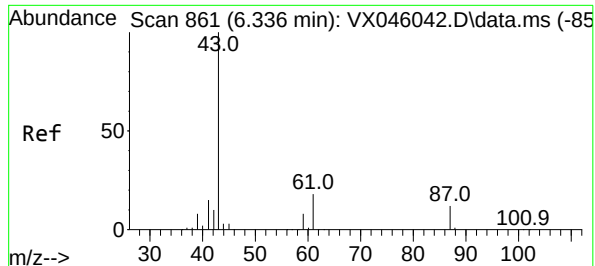
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#42
1,2-Dichloroethane
Concen: 3.563 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 10011
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.2





#43

Isopropyl Acetate

Concen: 3.309 ug/l

RT: 6.348 min Scan# 861

Delta R.T. 0.012 min

Lab File: VX046046.D

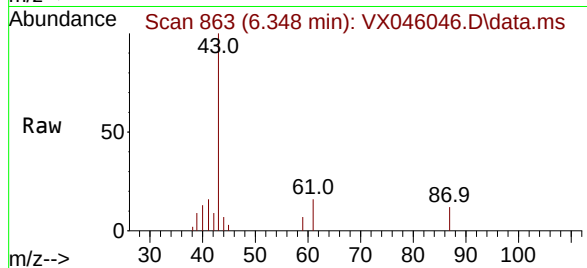
Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005



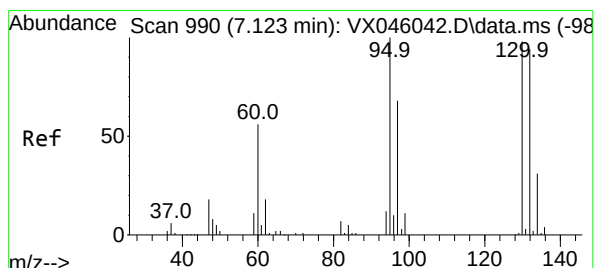
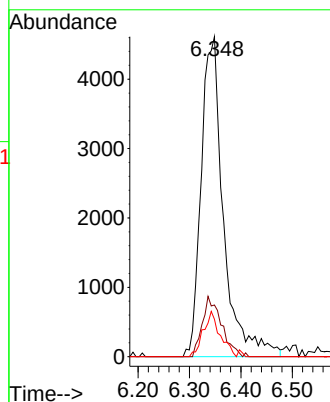
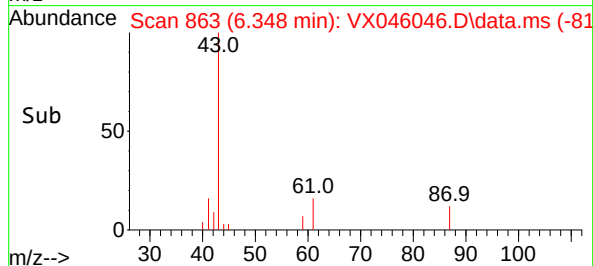
Tgt Ion: 43	Resp: 13914
Ion Ratio	Lower Upper
43	100
61	16.2 14.3 21.5
87	10.6 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#44

Trichloroethene

Concen: 3.307 ug/l

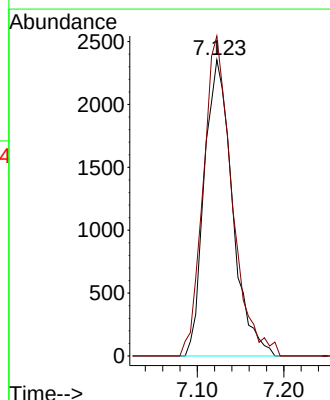
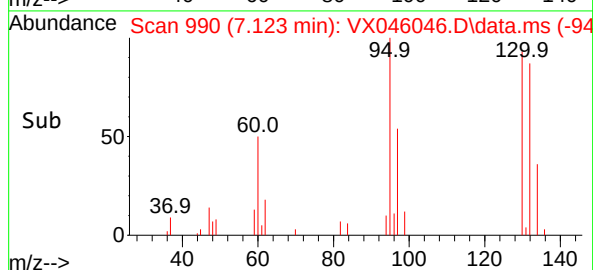
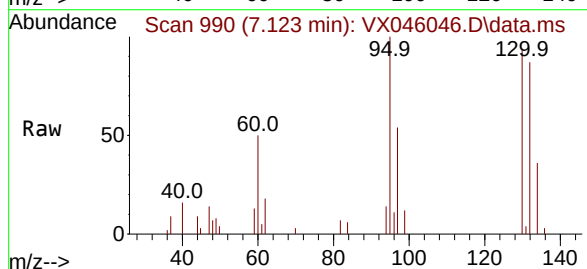
RT: 7.123 min Scan# 990

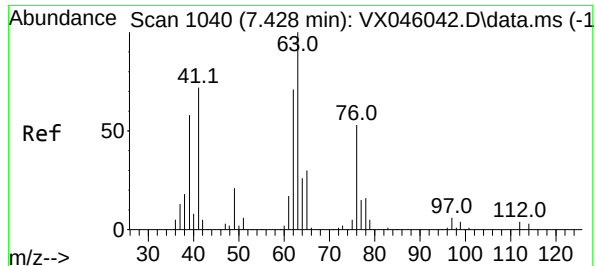
Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Tgt Ion:130	Resp: 5313
Ion Ratio	Lower Upper
130	100
95	108.1 0.0 204.2





#45

1,2-Dichloropropane

Concen: 3.228 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 545

Ion Ratio Lower Upper

63 100

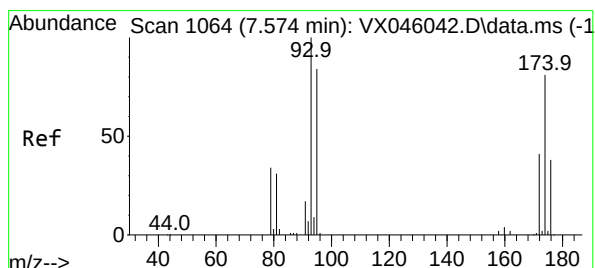
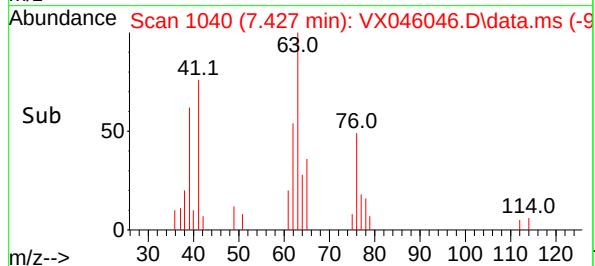
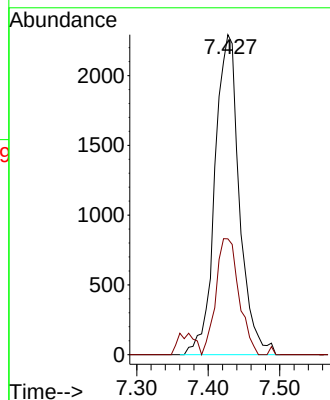
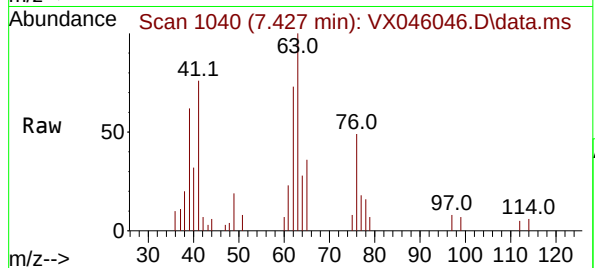
65 36.2 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#46

Dibromomethane

Concen: 3.318 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

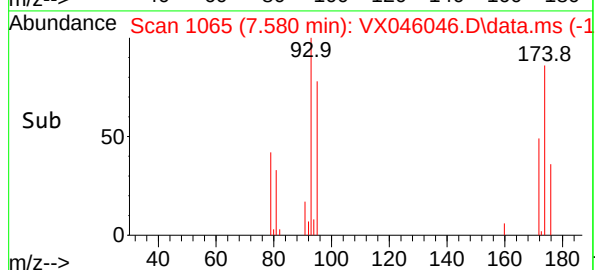
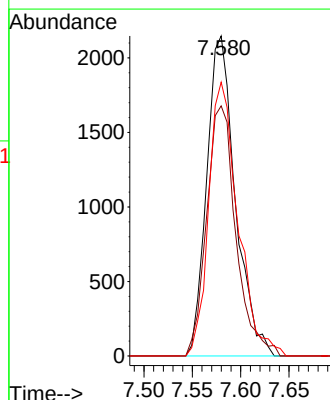
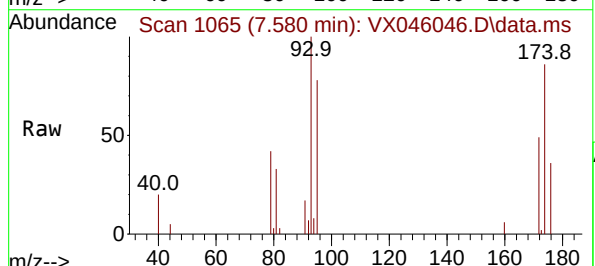
Tgt Ion: 93 Resp: 4417

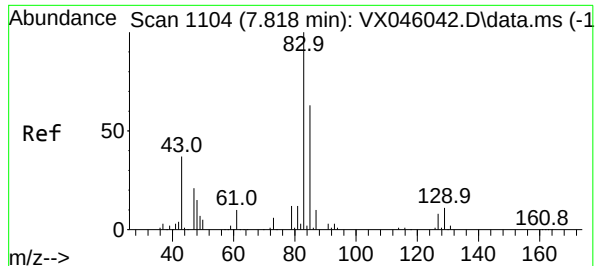
Ion Ratio Lower Upper

93 100

95 80.1 65.6 98.4

174 87.6 68.2 102.2





#47

Bromodichloromethane

Concen: 3.254 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

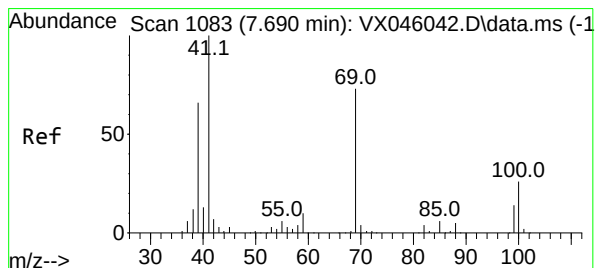
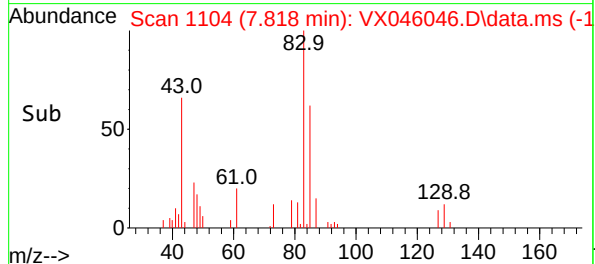
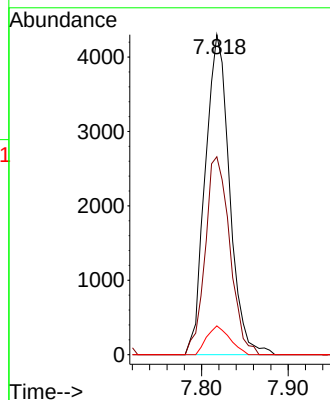
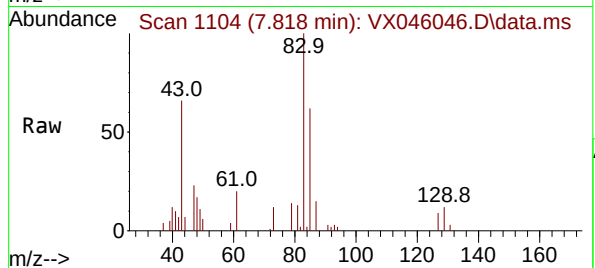
Tgt Ion:	83	Resp:	8394
Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.5	75.7
127	9.0	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#48

Methyl methacrylate

Concen: 3.321 ug/l

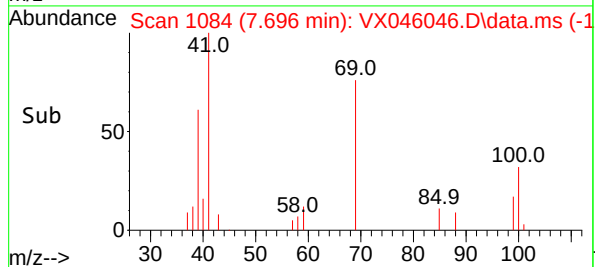
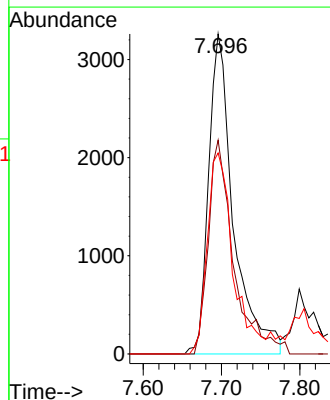
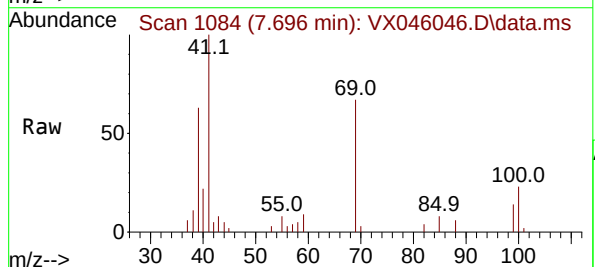
RT: 7.696 min Scan# 1084

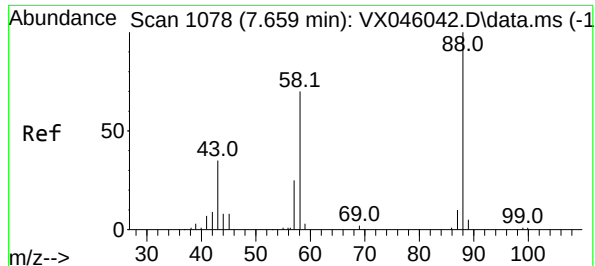
Delta R.T. 0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Tgt Ion:	41	Resp:	7171
Ion	Ratio	Lower	Upper
41	100		
69	68.4	58.5	87.7
39	65.1	51.7	77.5





#49

1,4-Dioxane

Concen: 67.721 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

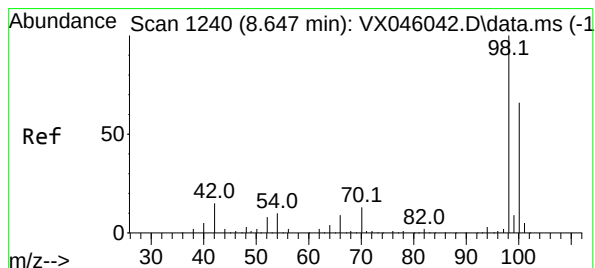
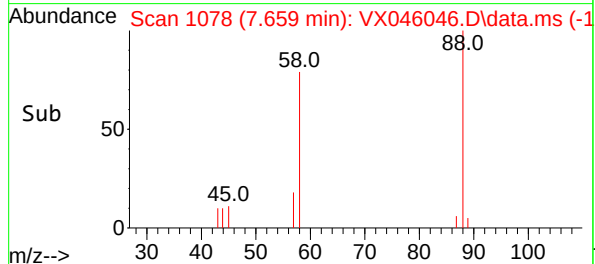
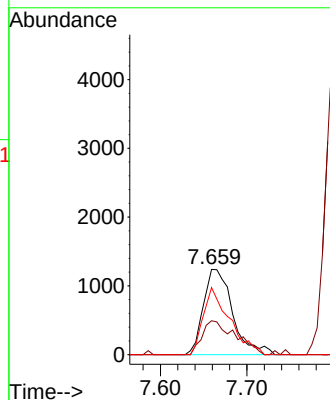
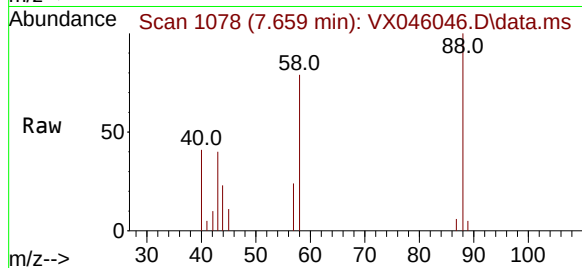
Tgt Ion:	88	Resp:	290
Ion	Ratio	Lower	Upper
88	100		
43	45.3	33.4	50.2
58	71.0	58.6	88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#50

Toluene-d8

Concen: 3.232 ug/l

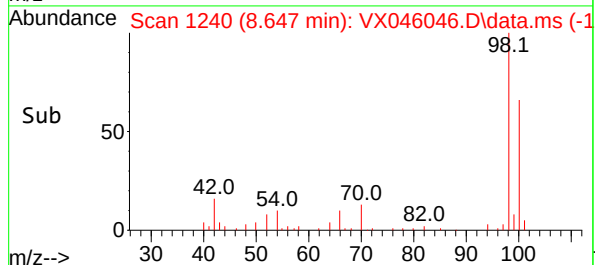
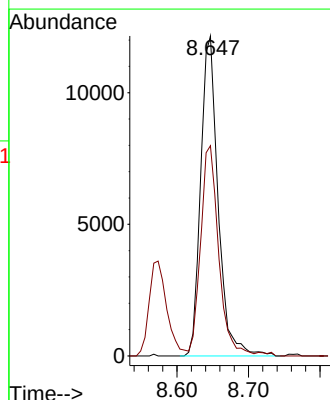
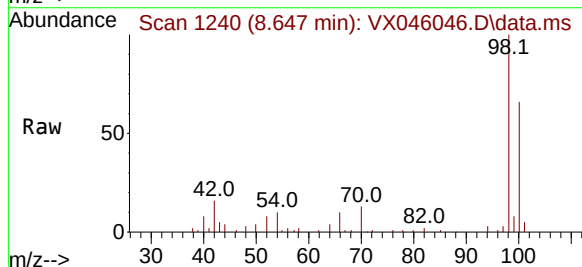
RT: 8.647 min Scan# 1240

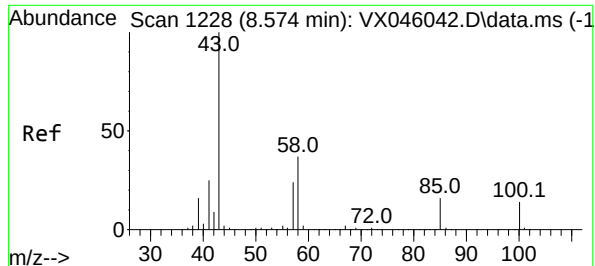
Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Tgt Ion:	98	Resp:	20566
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.5	80.3





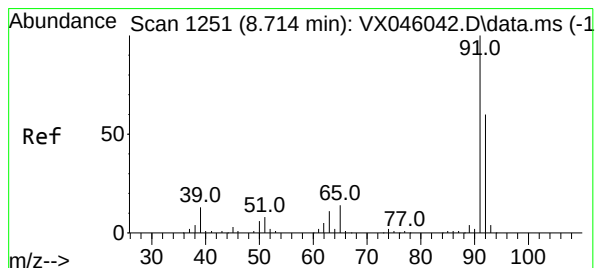
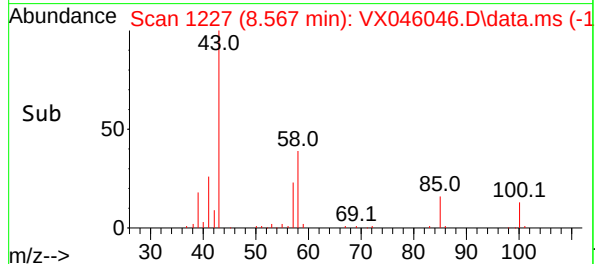
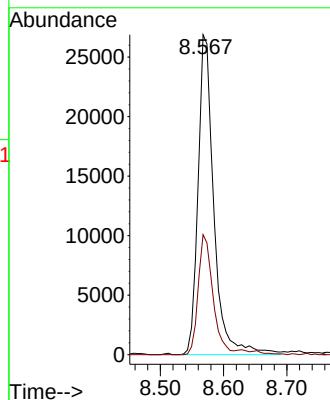
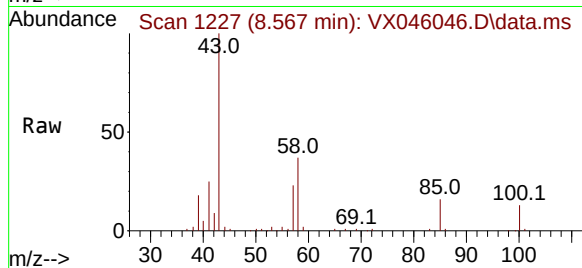
#51
4-Methyl-2-Pentanone
Concen: 16.967 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 46794
Ion Ratio Lower Upper
43 100
58 34.8 28.9 43.3

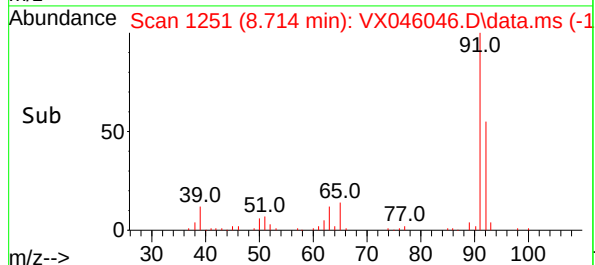
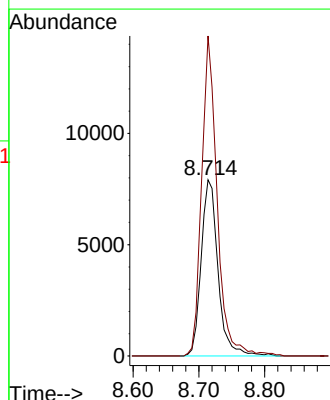
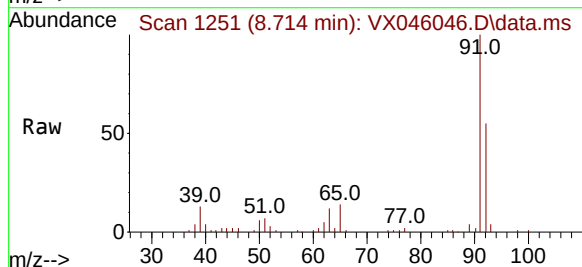
Manual Integrations
APPROVED

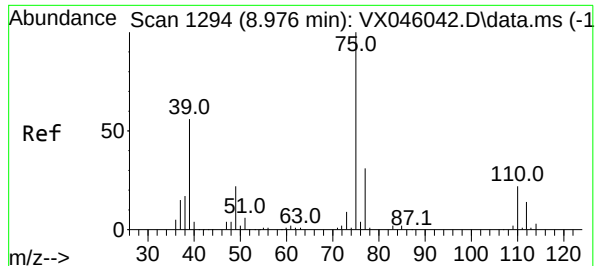
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#52
Toluene
Concen: 3.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 92 Resp: 14126
Ion Ratio Lower Upper
92 100
91 167.2 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 3.155 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 6834

Ion Ratio Lower Upper

75 100

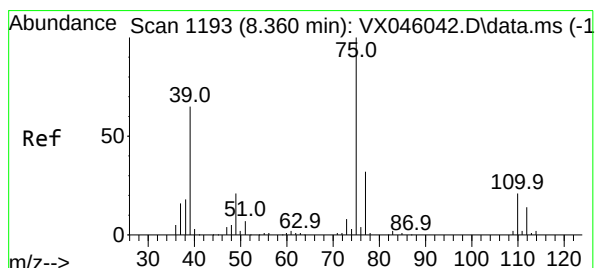
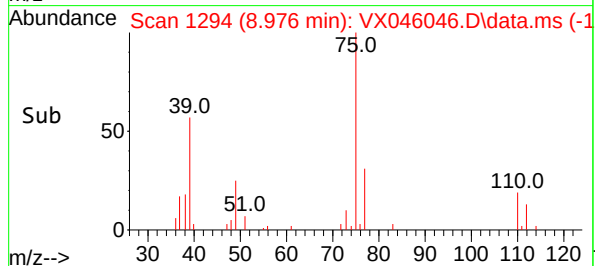
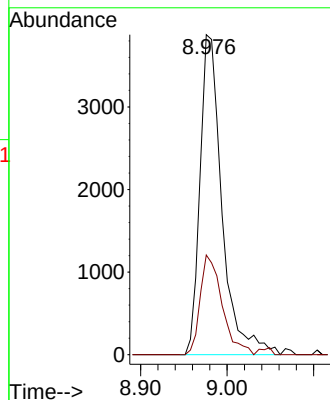
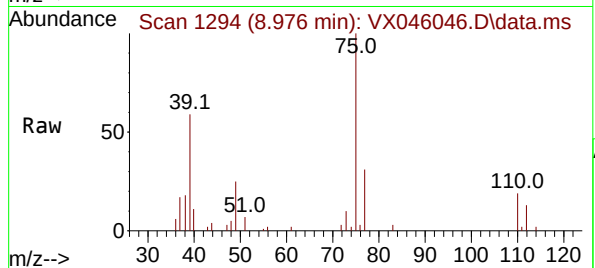
77 31.1 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#54

cis-1,3-Dichloropropene

Concen: 3.129 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

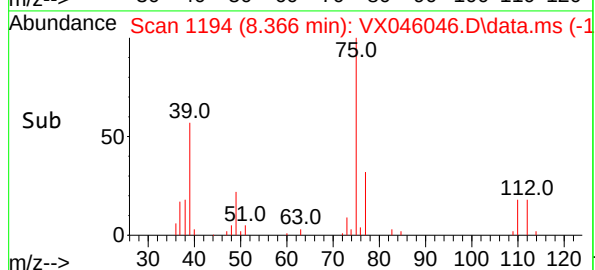
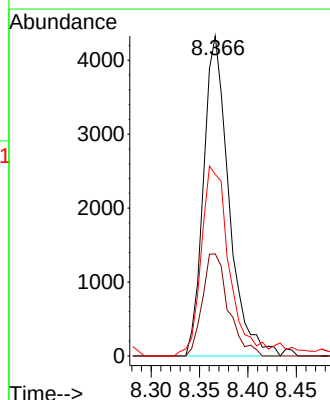
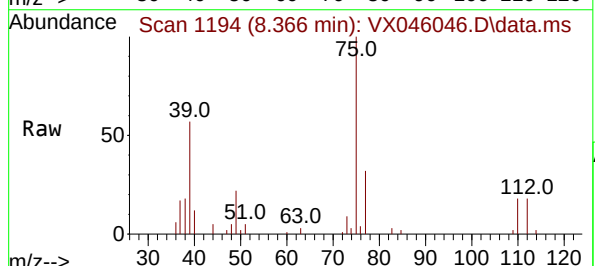
Tgt Ion: 75 Resp: 7908

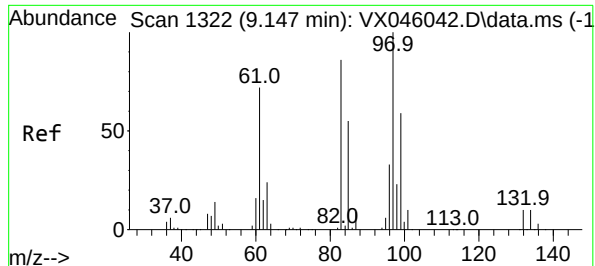
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 55.3 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 3.490 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 568

Ion Ratio Lower Upper

97 100

83 88.0 69.0 103.6

85 54.4 44.3 66.5

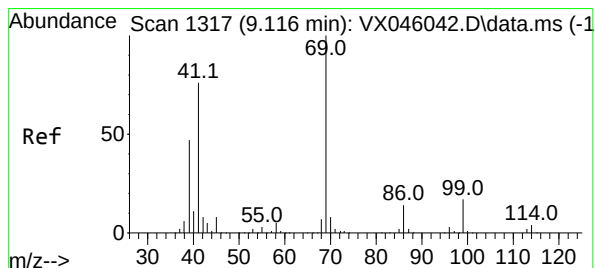
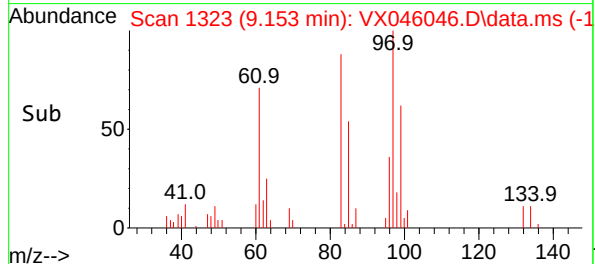
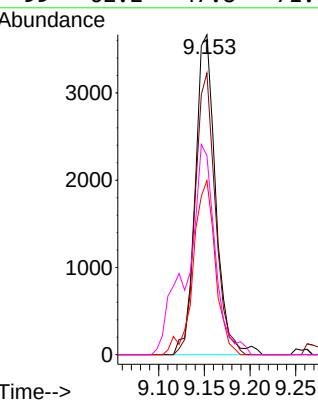
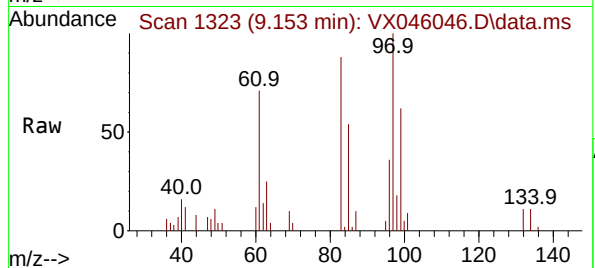
99 62.2 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#56

Ethyl methacrylate

Concen: 3.390 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

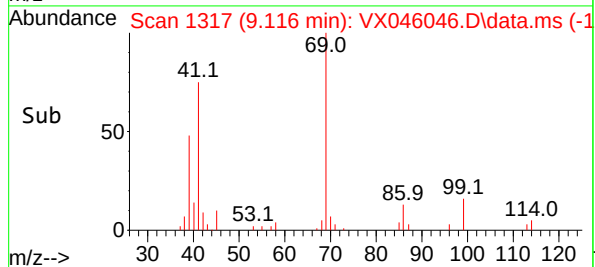
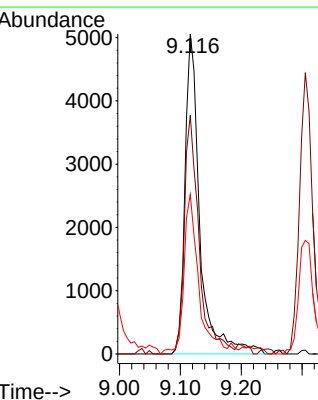
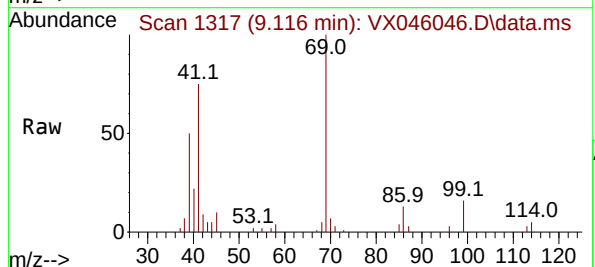
Tgt Ion: 69 Resp: 8555

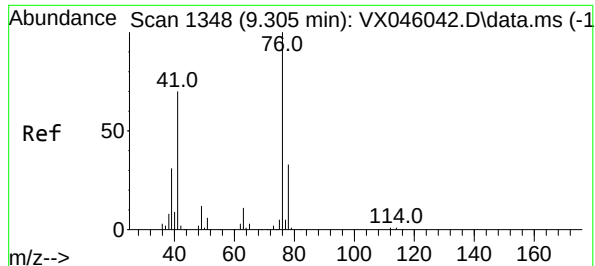
Ion Ratio Lower Upper

69 100

41 73.7 60.8 91.2

39 49.3 39.0 58.6





#57

1,3-Dichloropropane

Concen: 3.508 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 1012

Ion Ratio Lower Upper

76 100

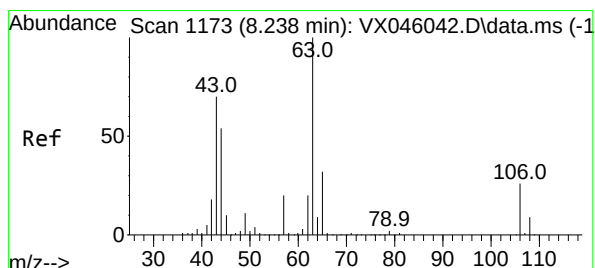
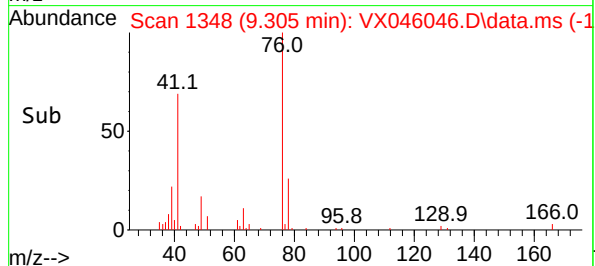
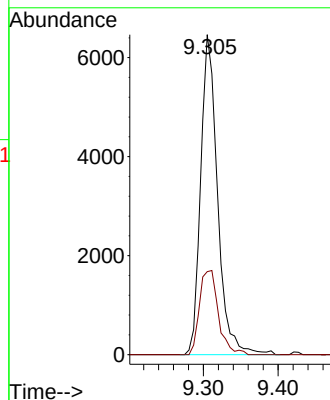
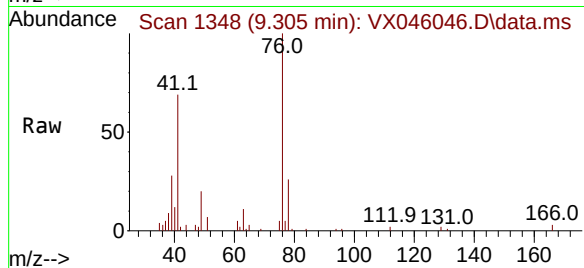
78 29.5 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#58

2-Chloroethyl Vinyl ether

Concen: 18.346 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX046046.D

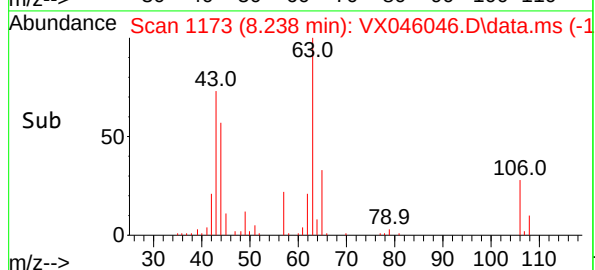
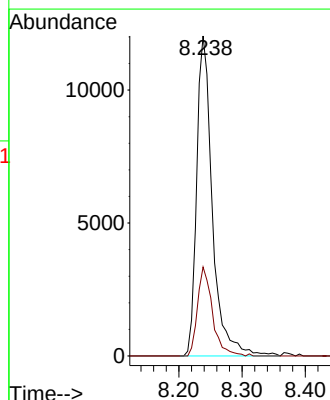
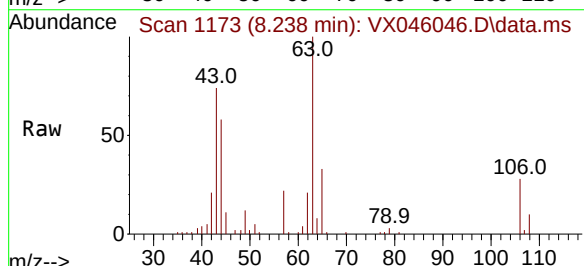
Acq: 05 May 2025 16:04

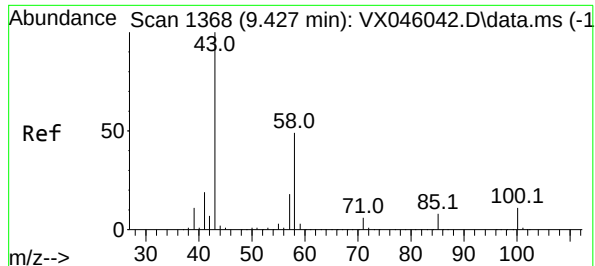
Tgt Ion: 63 Resp: 20809

Ion Ratio Lower Upper

63 100

106 26.4 21.5 32.3





#59

2-Hexanone

Concen: 16.651 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 3485

Ion Ratio Lower Upper

43 100

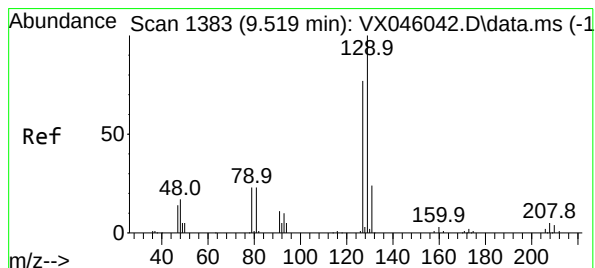
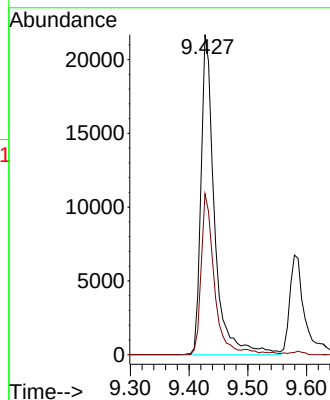
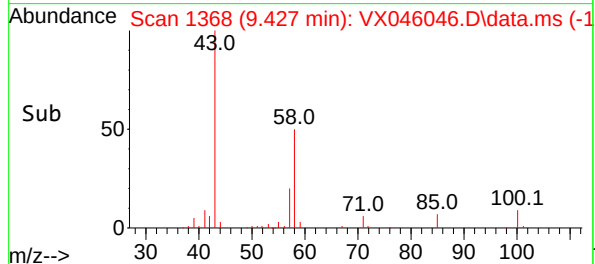
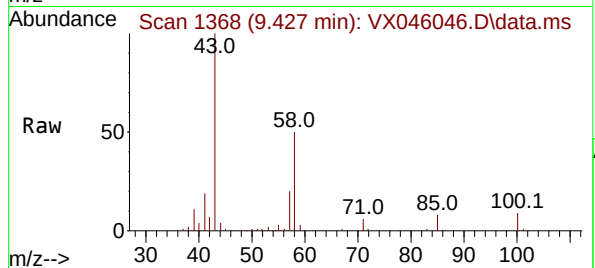
58 47.5 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#60

Dibromochloromethane

Concen: 3.102 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX046046.D

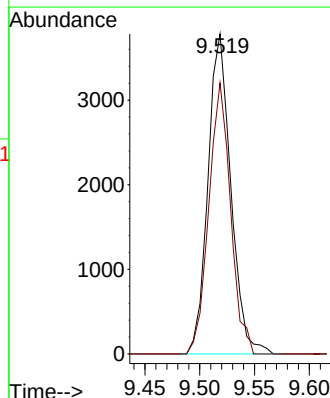
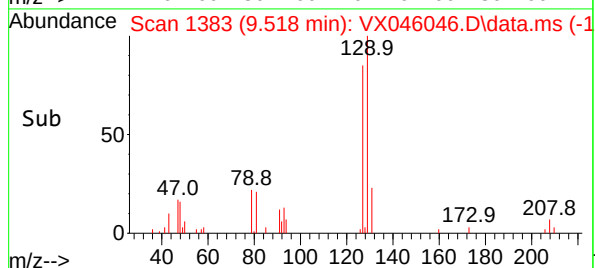
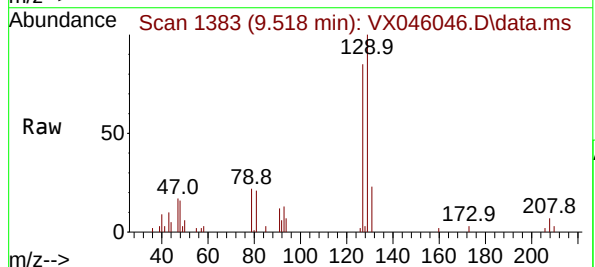
Acq: 05 May 2025 16:04

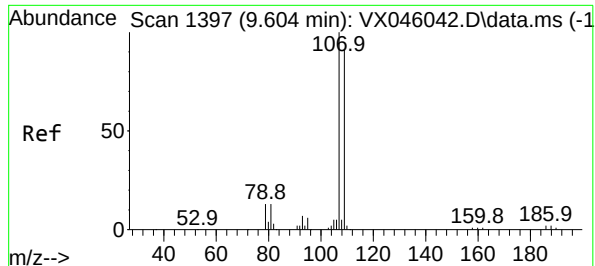
Tgt Ion:129 Resp: 5500

Ion Ratio Lower Upper

129 100

127 80.4 39.3 117.8





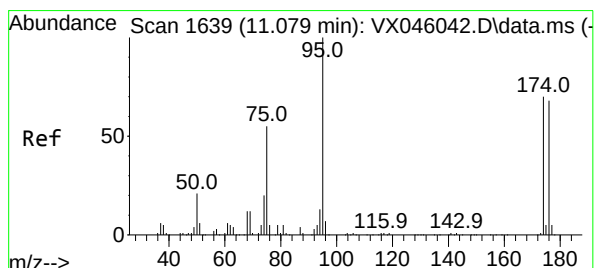
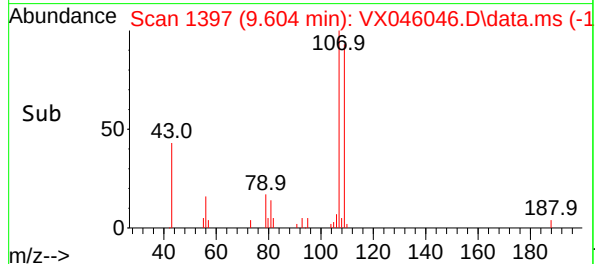
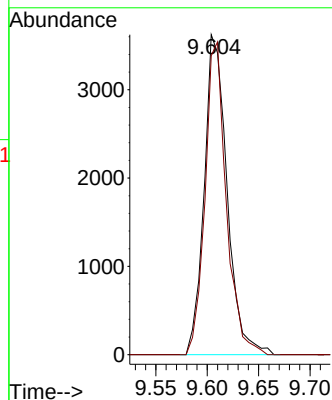
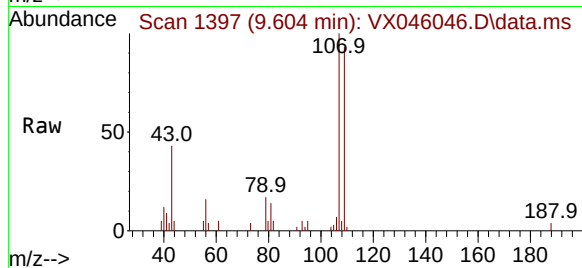
#61
1,2-Dibromoethane
Concen: 3.356 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 5614
Ion Ratio Lower Upper
107 100
109 91.0 73.3 109.9

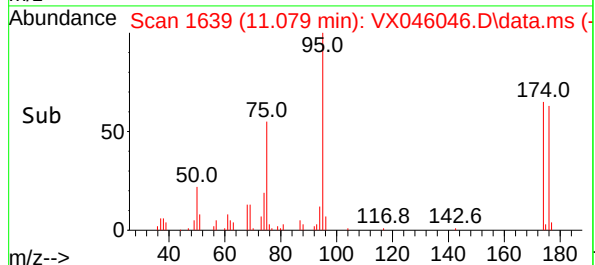
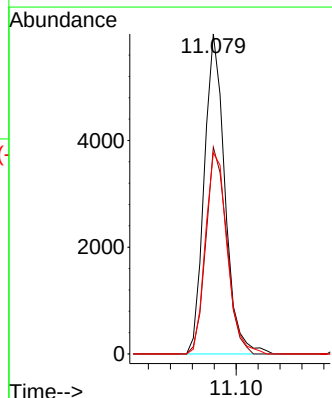
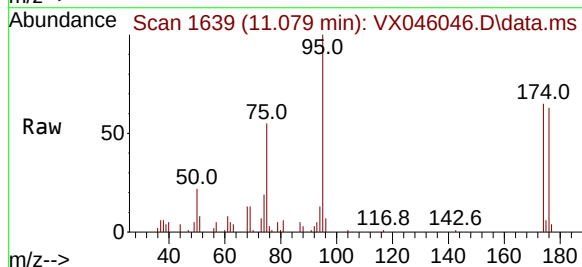
Manual Integrations
APPROVED

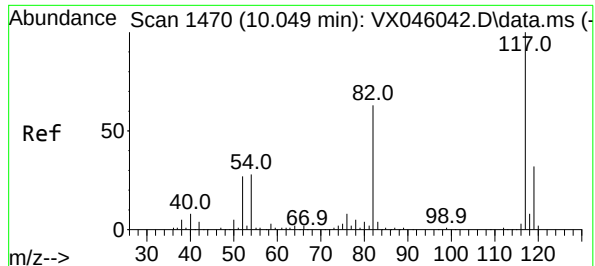
Reviewed By :John Carbone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#62
4-Bromofluorobenzene
Concen: 3.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

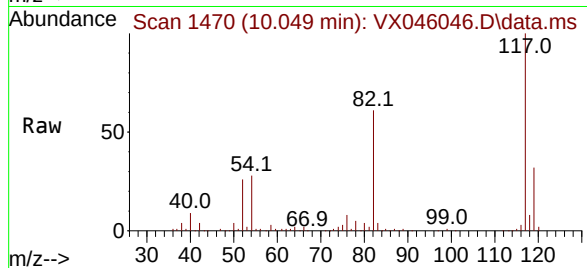
Tgt Ion: 95 Resp: 7822
Ion Ratio Lower Upper
95 100
174 65.0 0.0 135.8
176 66.6 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

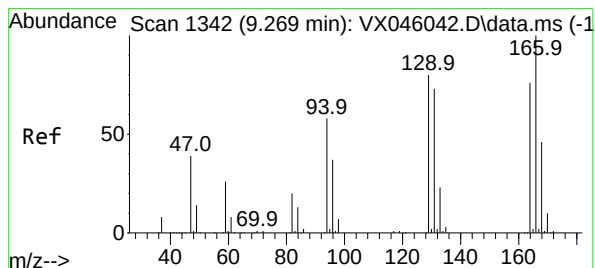
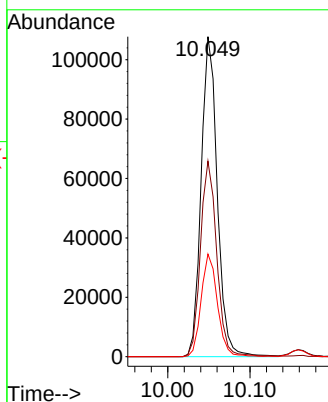
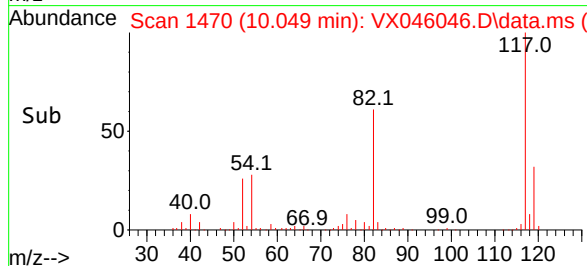
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:117 Resp: 14716
Ion Ratio Lower Upper
117 100
82 61.1 50.6 76.0
119 32.1 25.8 38.6

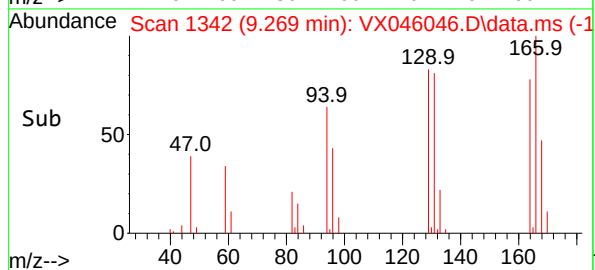
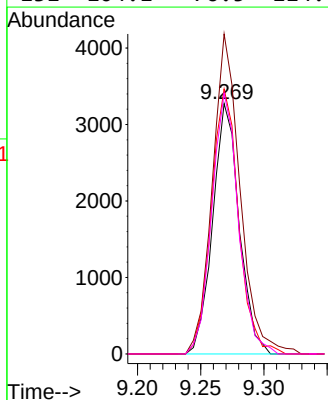
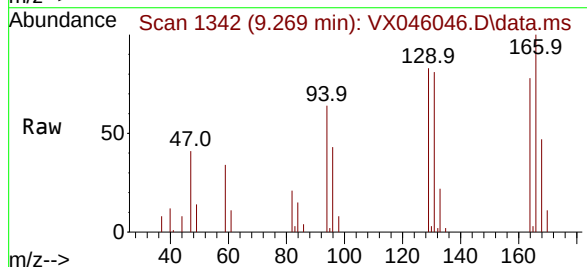
Manual Integrations
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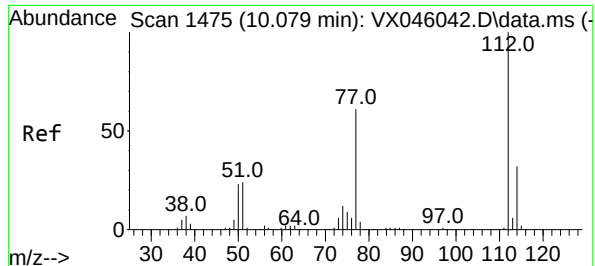
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#64
Tetrachloroethene
Concen: 3.162 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:164 Resp: 4752
Ion Ratio Lower Upper
164 100
166 127.8 105.0 157.6
129 105.8 83.5 125.3
131 104.1 76.5 114.7





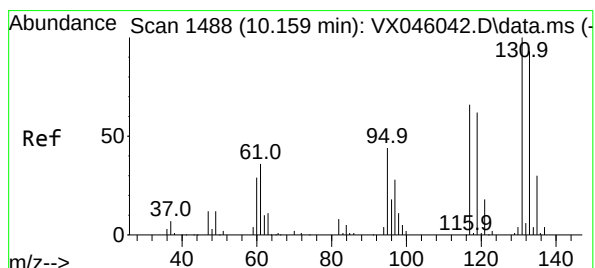
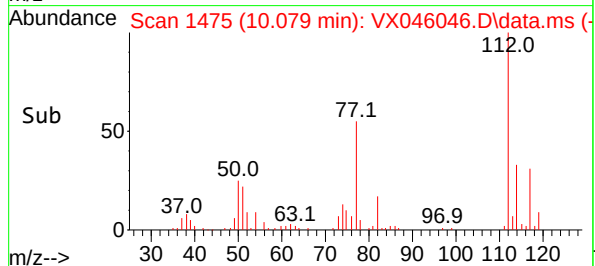
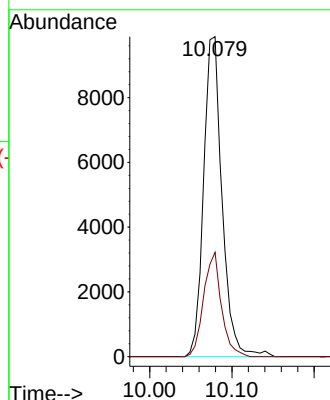
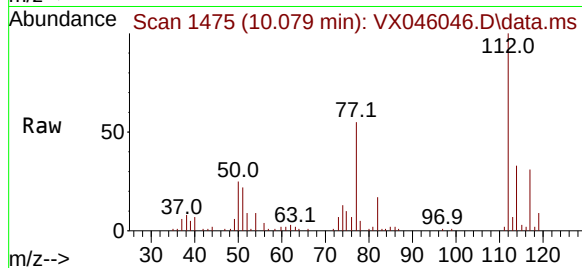
#65
Chlorobenzene
Concen: 3.399 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 1539
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.2

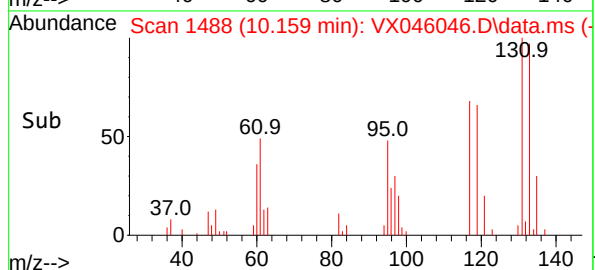
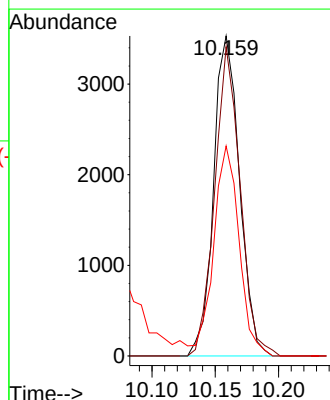
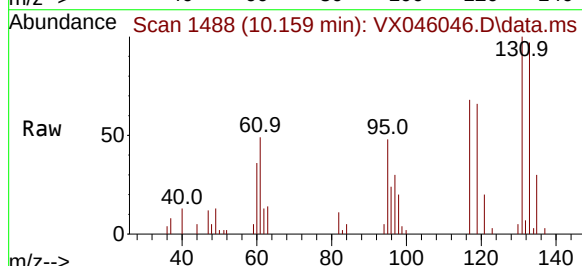
Manual Integrations
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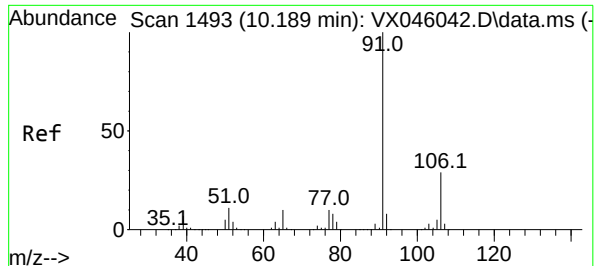
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 3.326 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:131 Resp: 5024
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.9
119 64.8 31.6 95.0





#67

Ethyl Benzene

Concen: 3.463 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 2673

Ion Ratio Lower Upper

91 100

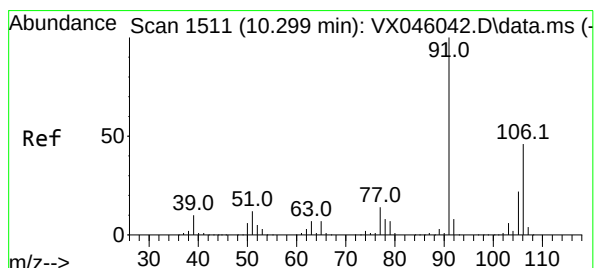
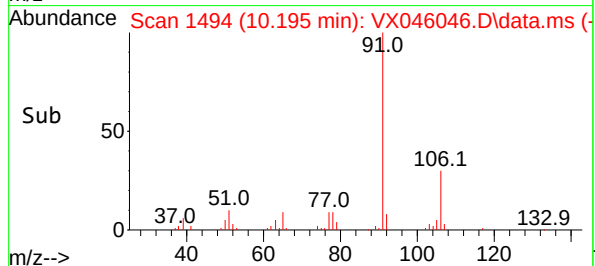
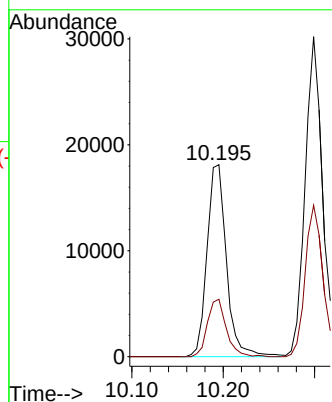
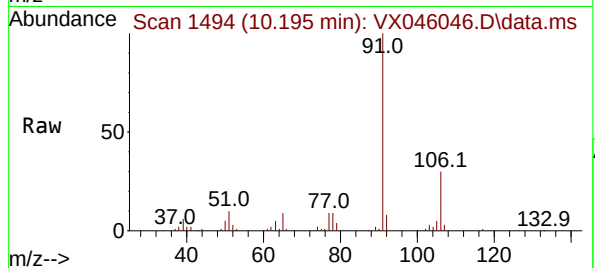
106 29.9 23.4 35.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#68

m/p-Xylenes

Concen: 7.156 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX046046.D

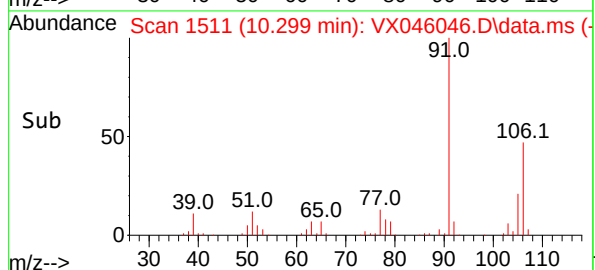
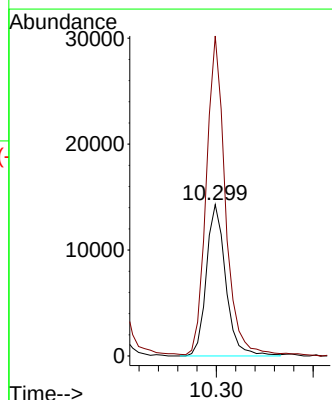
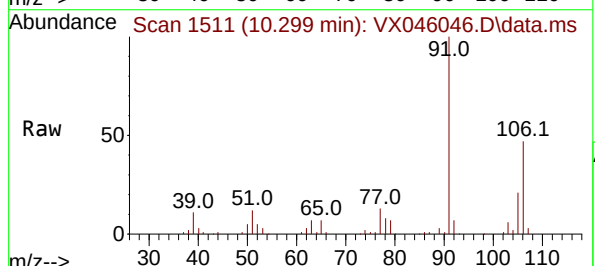
Acq: 05 May 2025 16:04

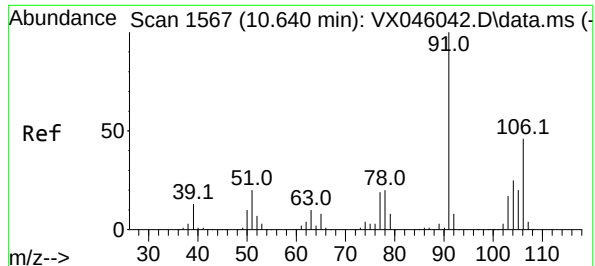
Tgt Ion:106 Resp: 19957

Ion Ratio Lower Upper

106 100

91 210.1 171.2 256.8





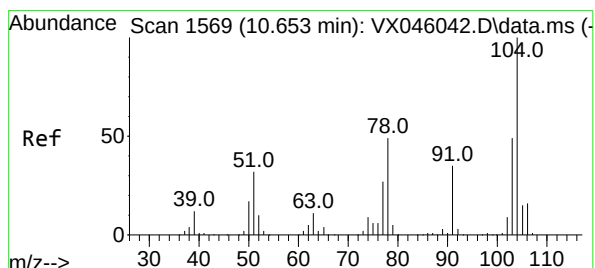
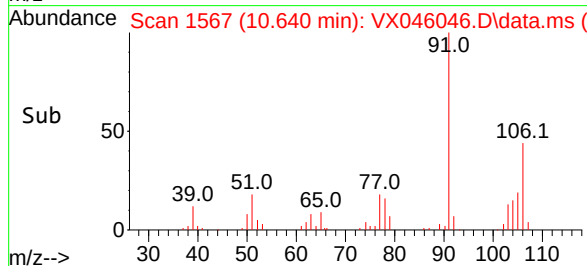
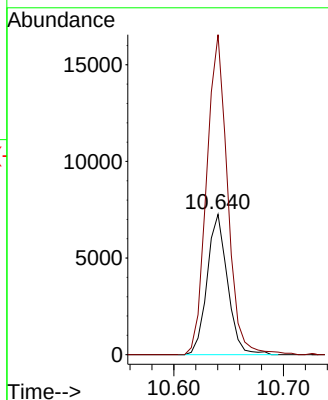
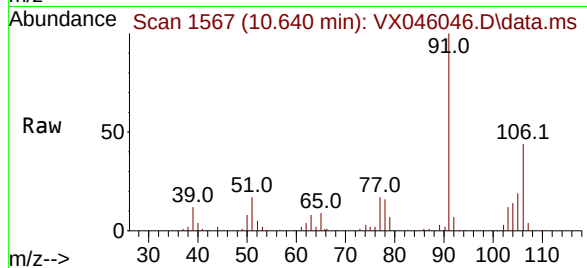
#69
o-Xylene
Concen: 3.343 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 9398
Ion Ratio Lower Upper
106 100
91 233.6 112.7 338.1

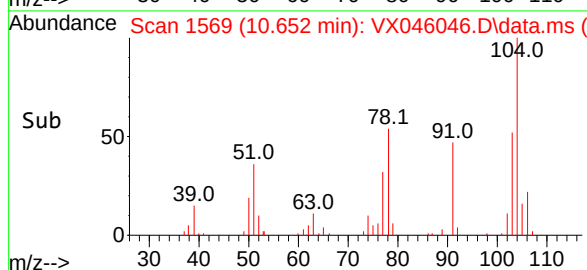
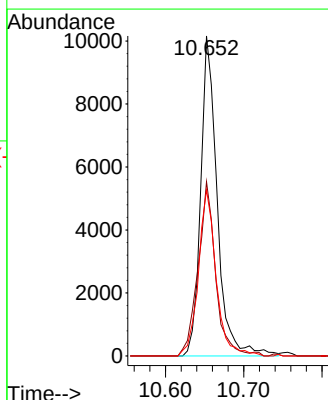
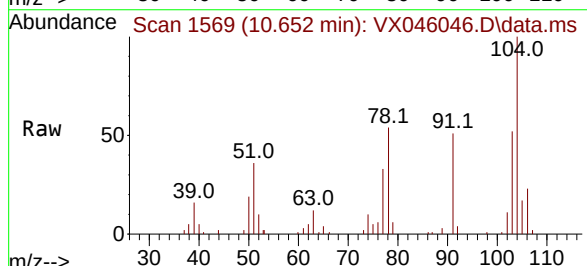
Manual Integrations
APPROVED

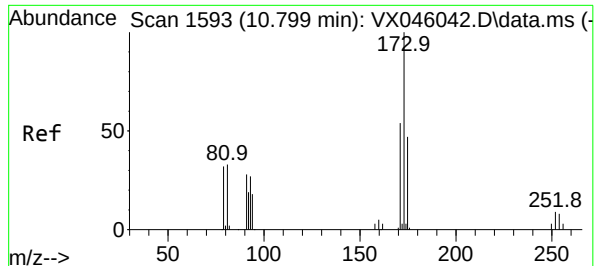
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#70
Styrene
Concen: 3.312 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

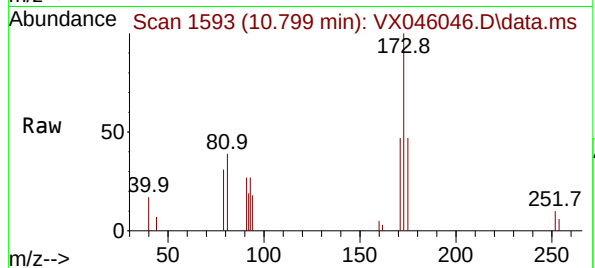
Tgt Ion:104 Resp: 14900
Ion Ratio Lower Upper
104 100
78 57.9 45.7 68.5
103 55.6 43.7 65.5





#71
Bromoform
Concen: 3.059 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

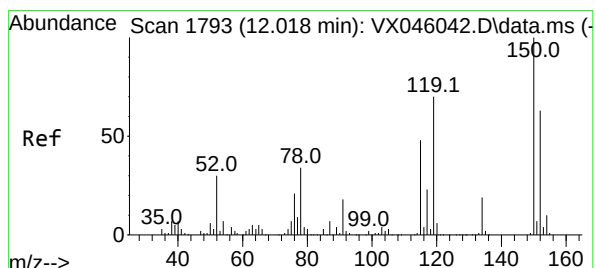
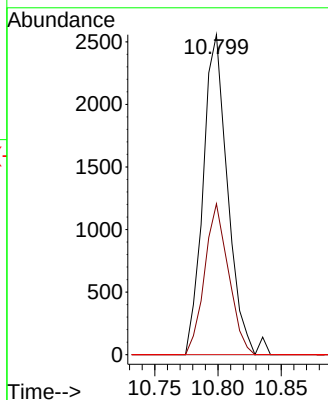
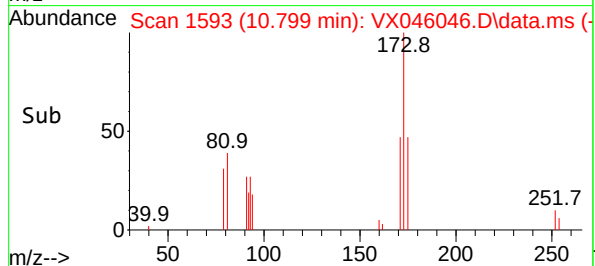
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:173 Resp: 3470
Ion Ratio Lower Upper
173 100
175 45.8 23.4 70.0
254 0.0 0.0 0.0

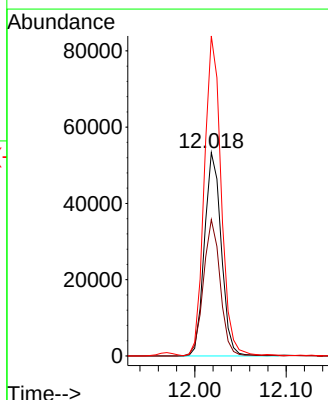
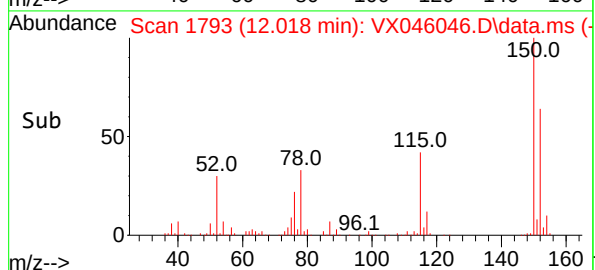
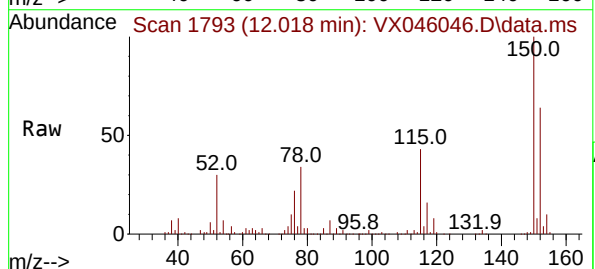
Manual Integrations
APPROVED

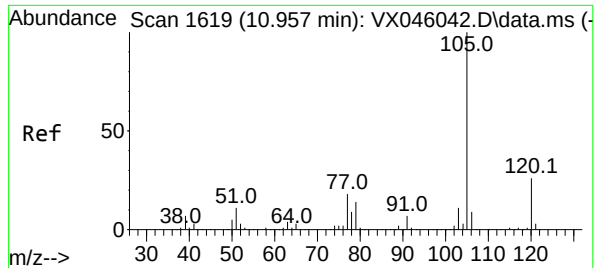
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:152 Resp: 67939
Ion Ratio Lower Upper
152 100
115 66.8 46.9 140.7
150 157.5 0.0 351.0





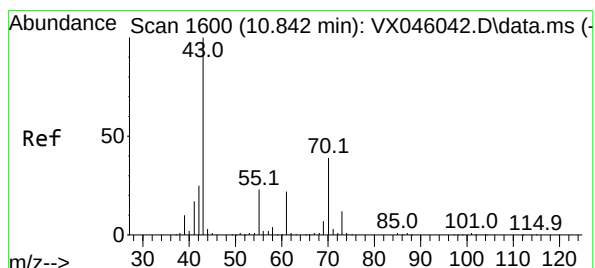
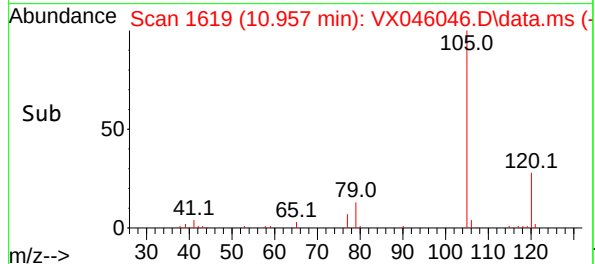
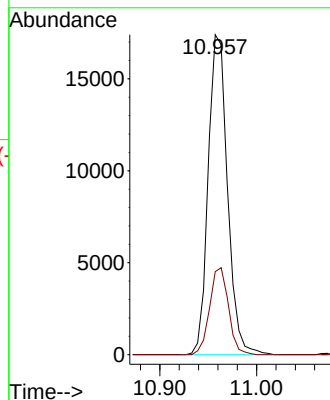
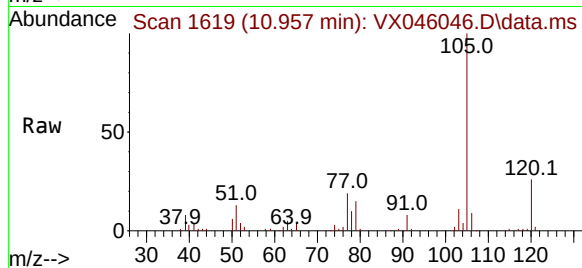
#73
Isopropylbenzene
Concen: 3.266 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 105 Resp: 2420
Ion Ratio Lower Upper
105 100
120 26.4 12.8 38.4

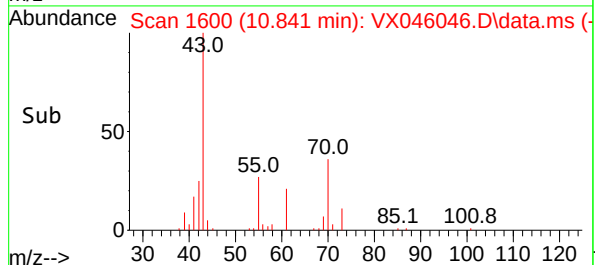
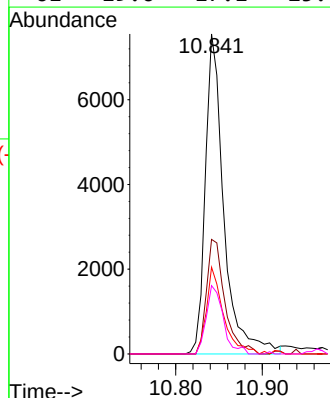
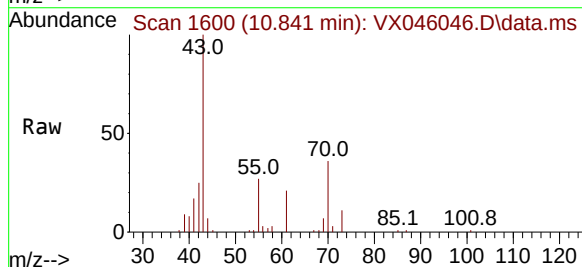
Manual Integrations
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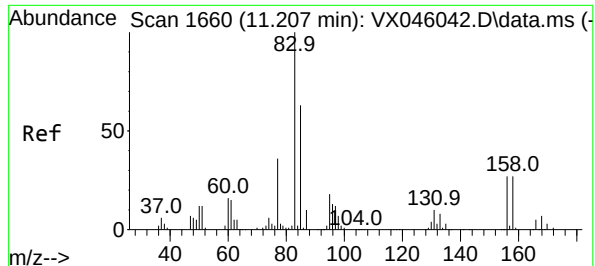
Reviewed By : John Carlone 05/06/2025
Supervised By : Mahesh Dadoda 05/06/2025



#74
N-ethyl acetate
Concen: 3.038 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 11224
Ion Ratio Lower Upper
43 100
70 35.4 30.9 46.3
55 25.0 18.7 28.1
61 19.6 17.1 25.7





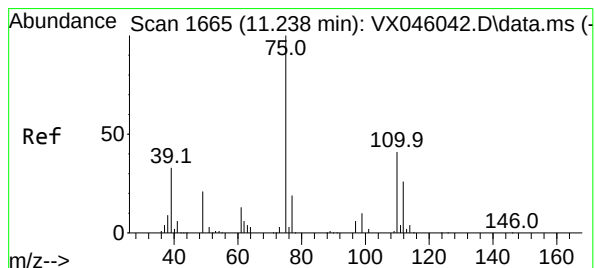
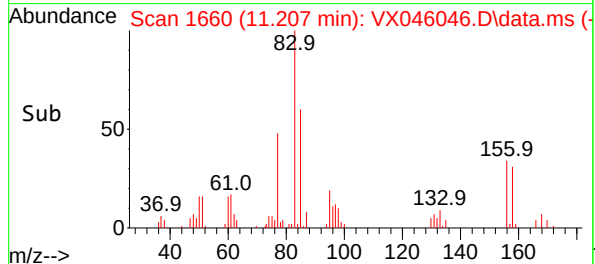
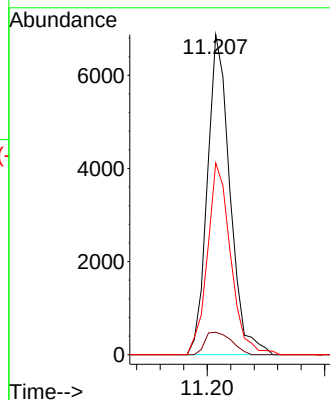
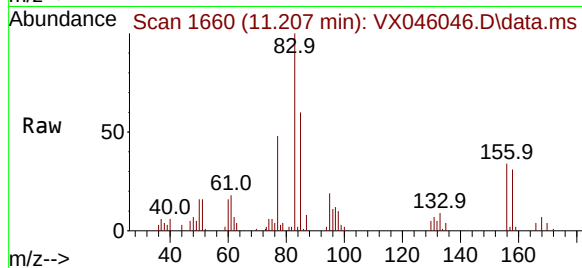
#75
1,1,2,2-Tetrachloroethane
Concen: 3.479 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 9170
Ion Ratio Lower Upper
83 100
131 8.3 5.0 14.9
85 61.7 31.9 95.7

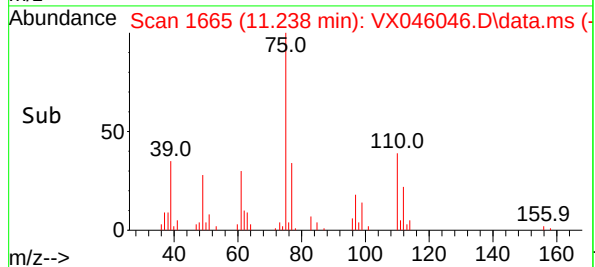
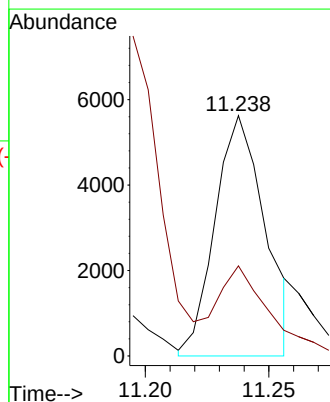
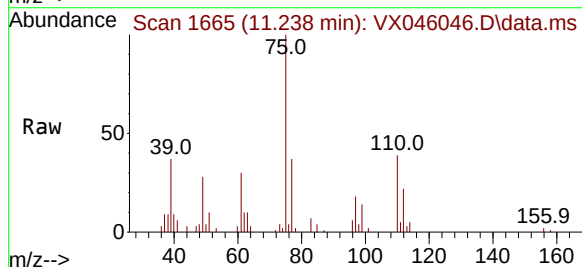
Manual Integrations
APPROVED

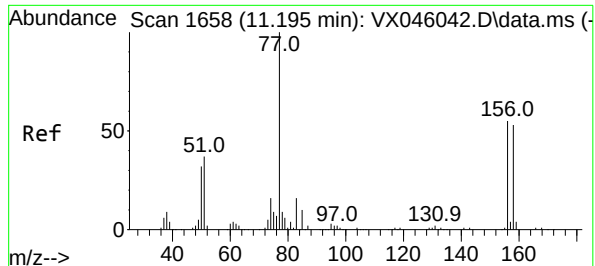
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#76
1,2,3-Trichloropropane
Concen: 2.799 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

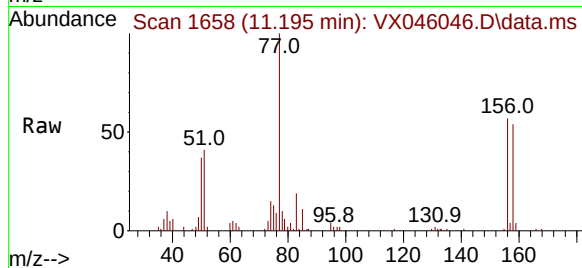
Tgt Ion: 75 Resp: 7928
Ion Ratio Lower Upper
75 100
77 40.6 20.5 61.5





#77
Bromobenzene
Concen: 3.417 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

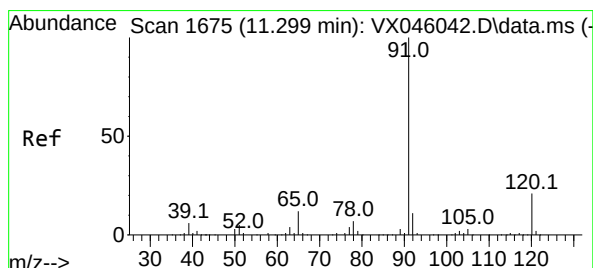
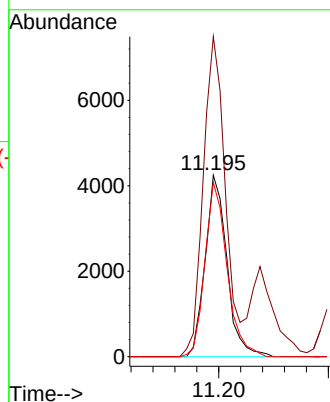
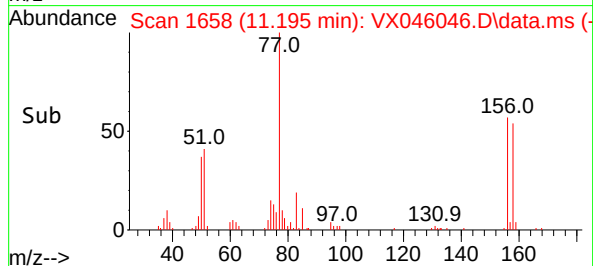
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:156 Resp: 585
Ion Ratio Lower Upper
156 100
77 177.0 92.8 278.3
158 97.7 48.8 146.3

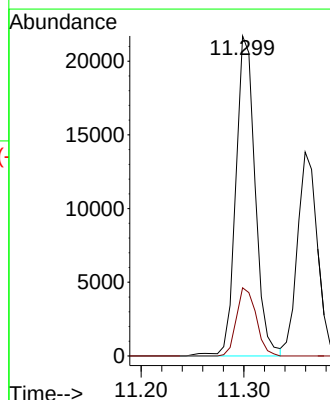
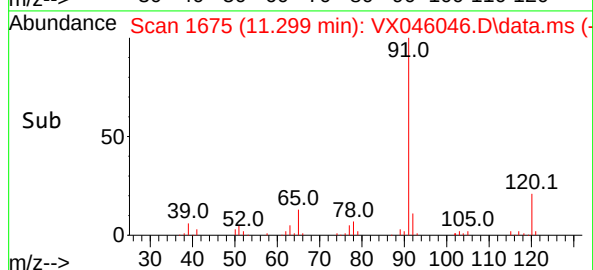
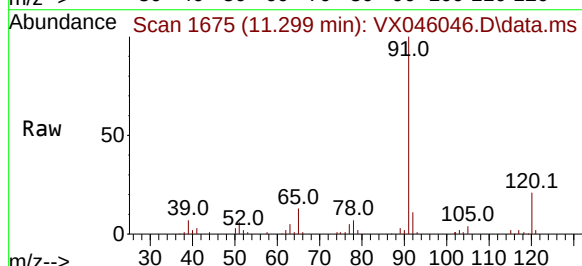
Manual Integrations
APPROVED

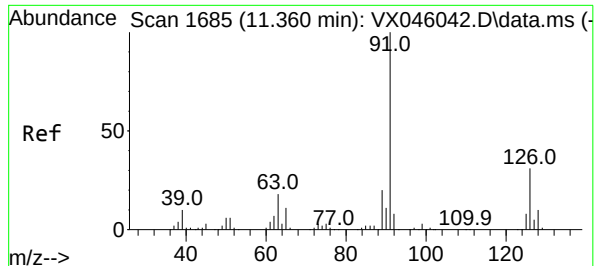
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#78
n-propylbenzene
Concen: 3.424 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 28436
Ion Ratio Lower Upper
91 100
120 21.7 10.8 32.4





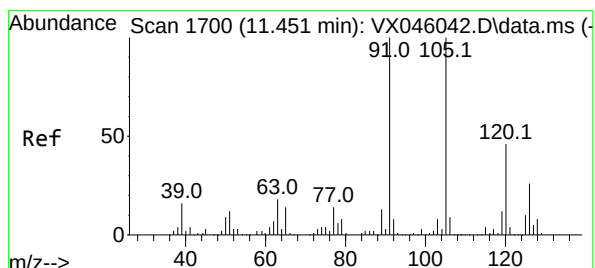
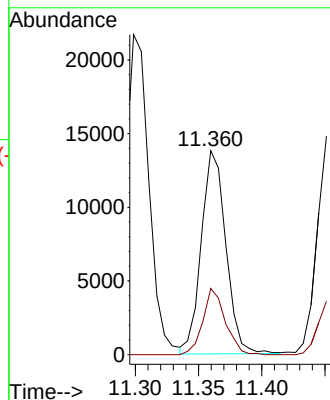
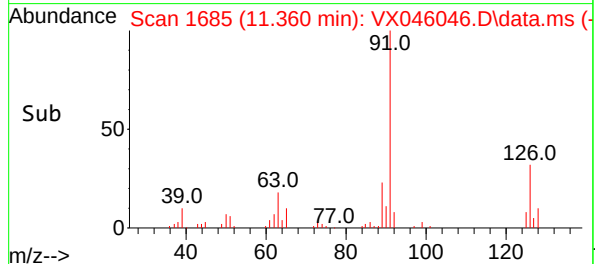
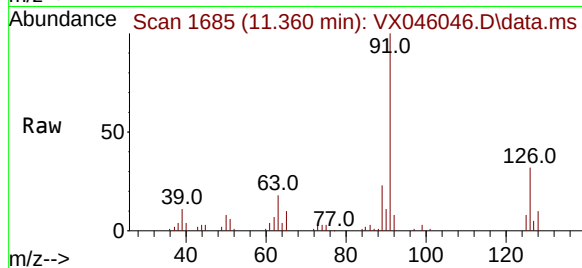
#79
2-Chlorotoluene
Concen: 3.336 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 18672
Ion Ratio Lower Upper
91 100
126 29.7 15.6 46.7

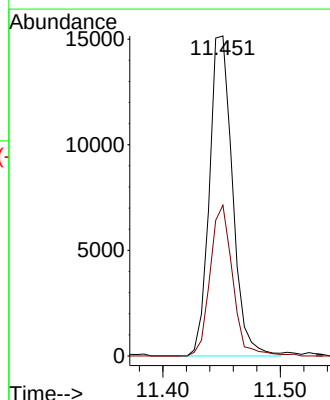
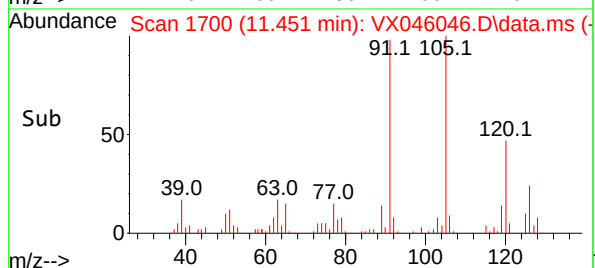
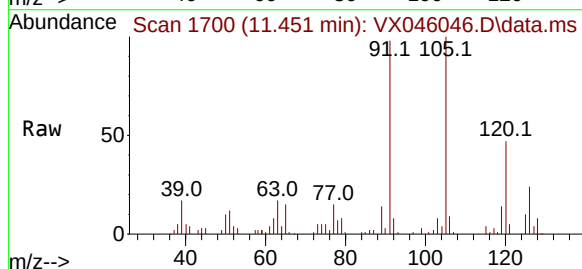
Manual Integrations
APPROVED

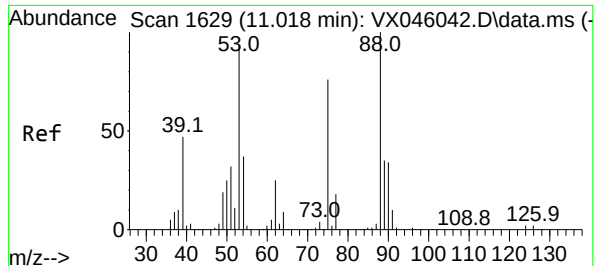
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#80
1,3,5-Trimethylbenzene
Concen: 3.372 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

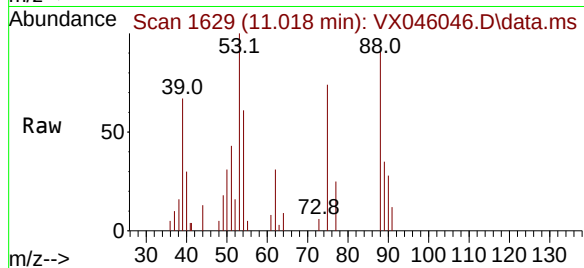
Tgt Ion:105 Resp: 20742
Ion Ratio Lower Upper
105 100
120 45.9 23.1 69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 2.686 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

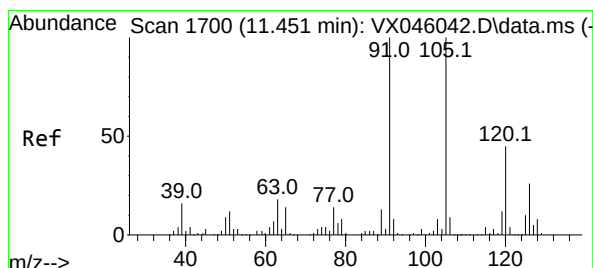
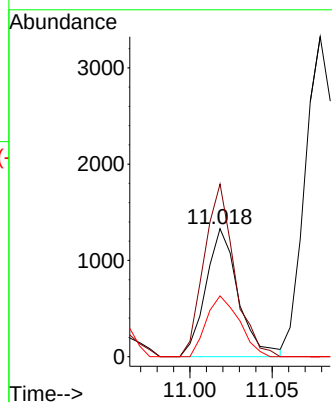
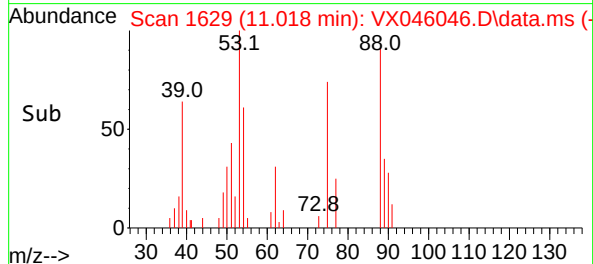
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 1828
Ion Ratio Lower Upper
75 100
53 125.8 100.5 150.7
89 47.9 37.0 55.6

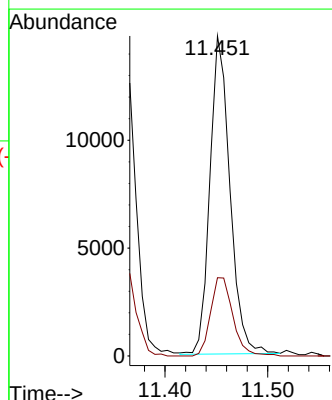
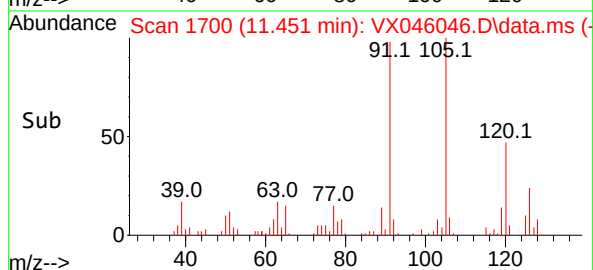
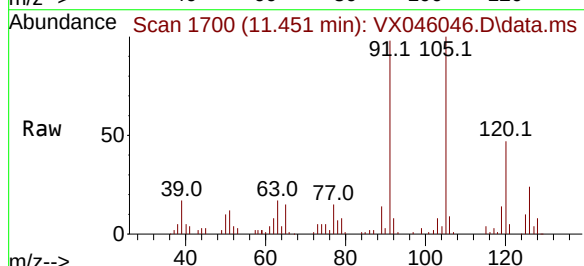
Manual Integrations
APPROVED

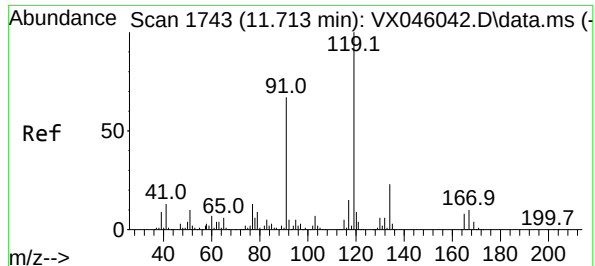
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#82
4-Chlorotoluene
Concen: 3.245 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 19966
Ion Ratio Lower Upper
91 100
126 27.3 13.3 39.8





#83

tert-Butylbenzene

Concen: 3.484 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:119 Resp: 21049

Ion Ratio Lower Upper

119 100

91 67.0 32.9 98.7

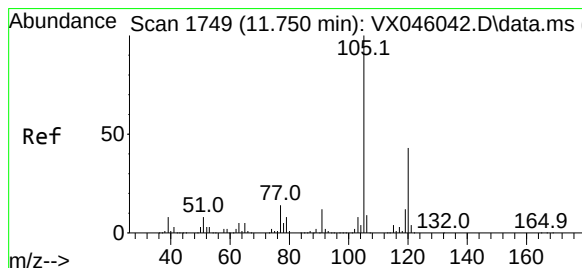
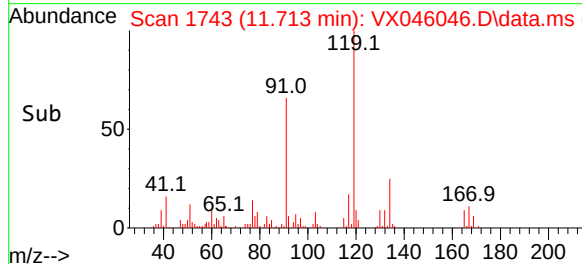
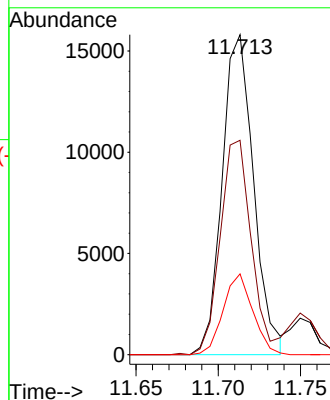
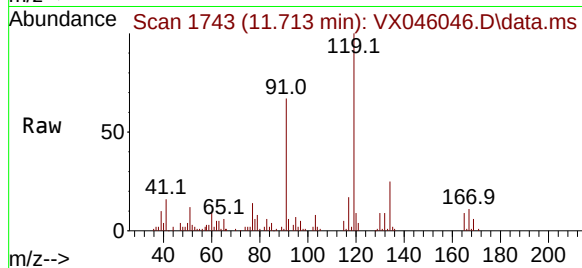
134 23.8 11.4 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#84

1,2,4-Trimethylbenzene

Concen: 3.355 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046046.D

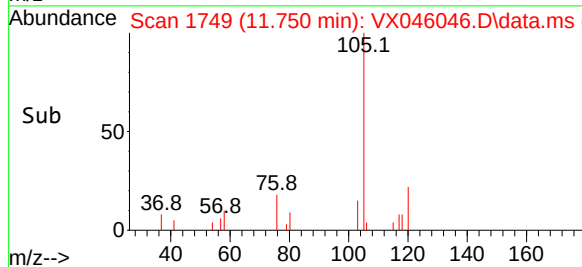
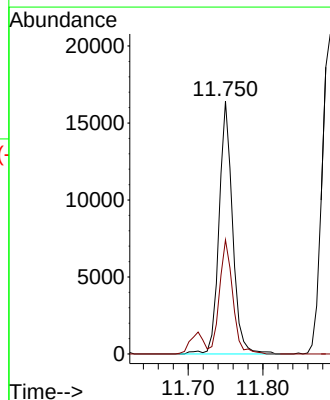
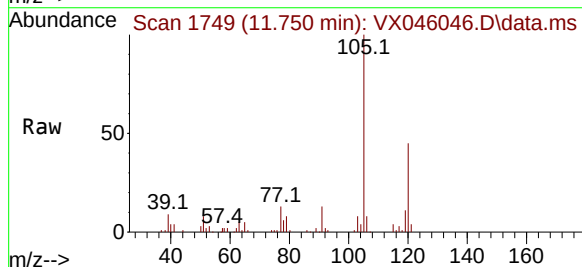
Acq: 05 May 2025 16:04

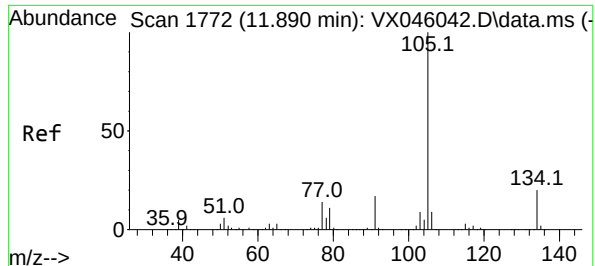
Tgt Ion:105 Resp: 20613

Ion Ratio Lower Upper

105 100

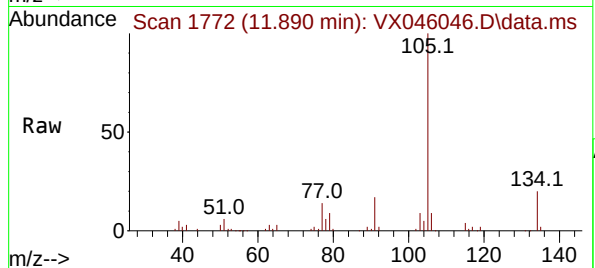
120 44.5 21.2 63.6





#85
sec-Butylbenzene
Concen: 3.412 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

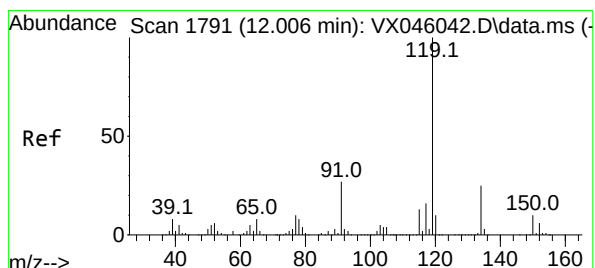
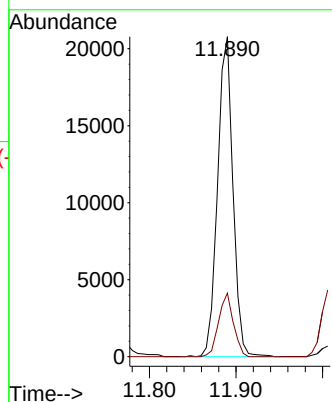
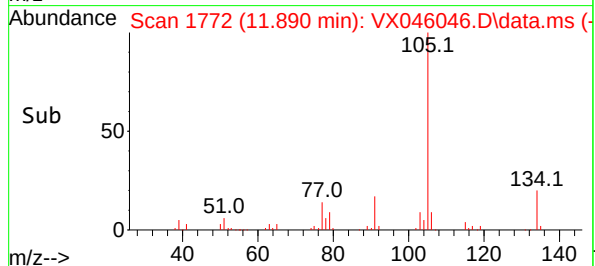
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



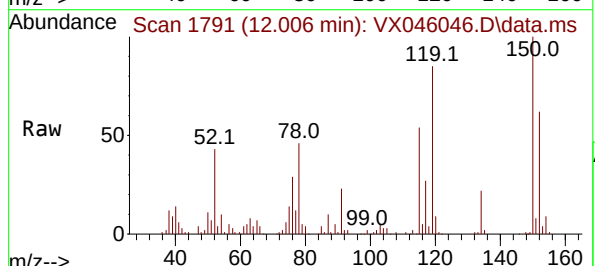
Tgt Ion:105 Resp: 25590
Ion Ratio Lower Upper
105 100
134 19.1 9.7 29.1

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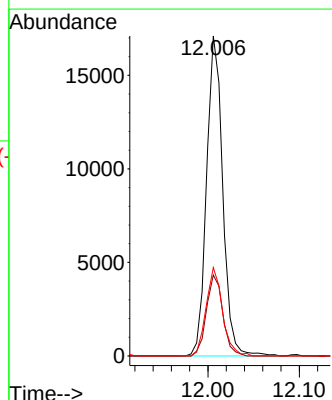
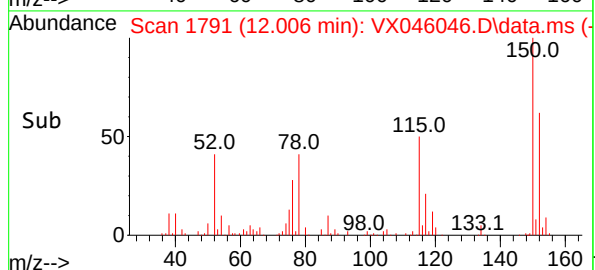
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

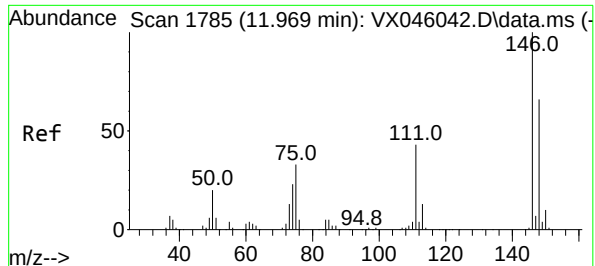


#86
p-Isopropyltoluene
Concen: 3.460 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04



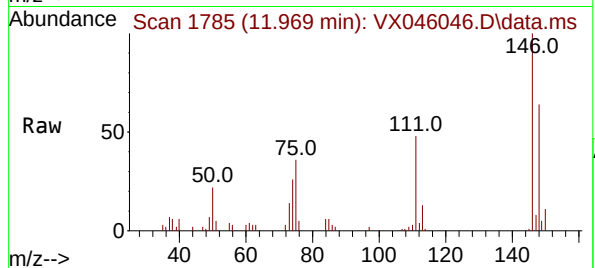
Tgt Ion:119 Resp: 20955
Ion Ratio Lower Upper
119 100
134 25.6 12.5 37.5
91 28.0 13.8 41.4





#87
1,3-Dichlorobenzene
Concen: 3.315 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

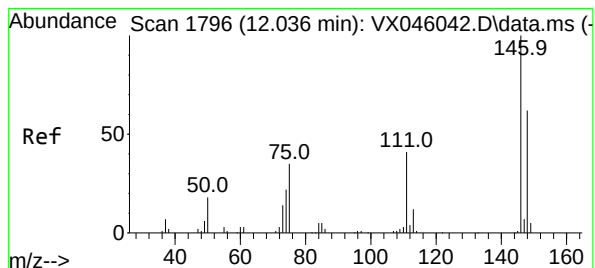
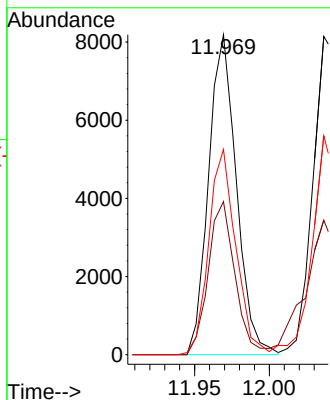
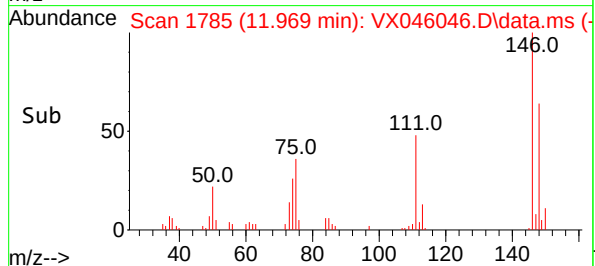
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



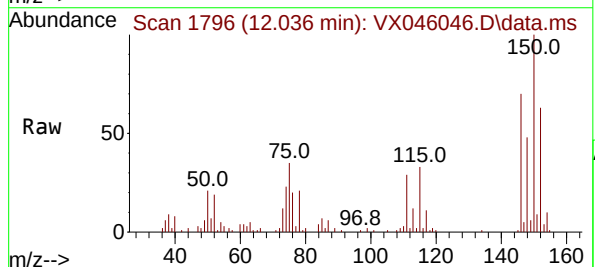
Tgt Ion:146 Resp: 1058
Ion Ratio Lower Upper
146 100
111 46.2 22.1 66.3
148 62.4 32.1 96.5

Manual Integrations
APPROVED

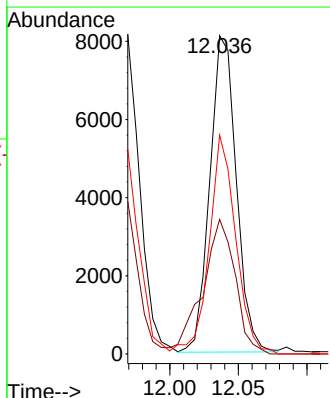
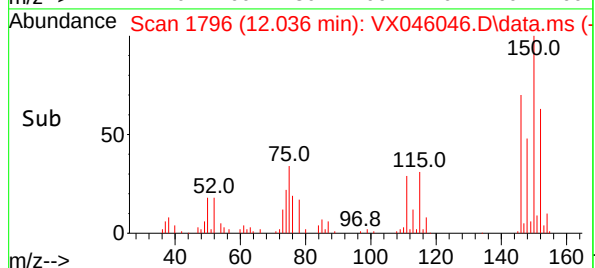
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

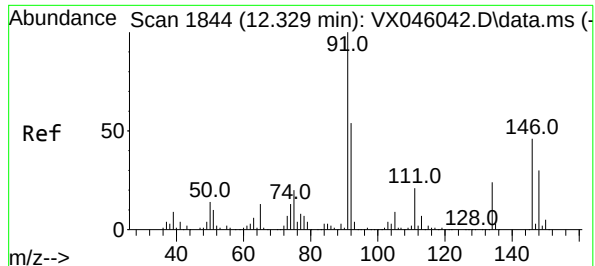


#88
1,4-Dichlorobenzene
Concen: 3.486 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04



Tgt Ion:146 Resp: 10908
Ion Ratio Lower Upper
146 100
111 52.1 21.3 63.9
148 69.4 31.9 95.5





#89

n-Butylbenzene

Concen: 3.419 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX046046.D

Acq: 05 May 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 18004

Ion Ratio Lower Upper

91 100

92 49.5 26.9 80.7

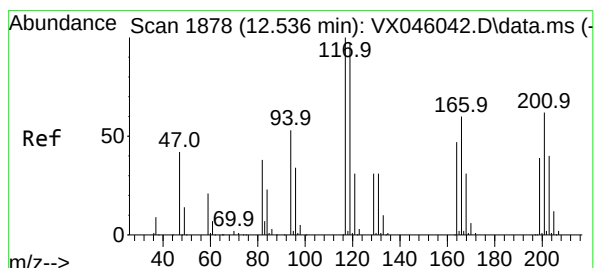
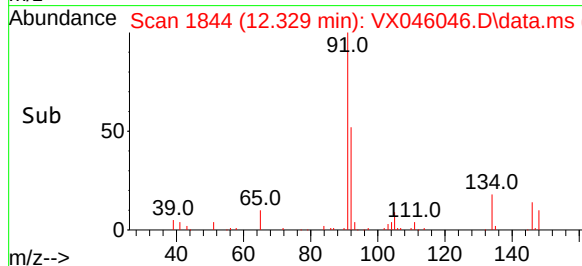
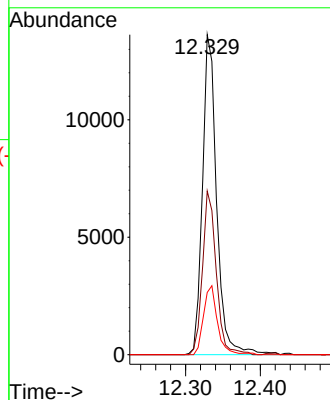
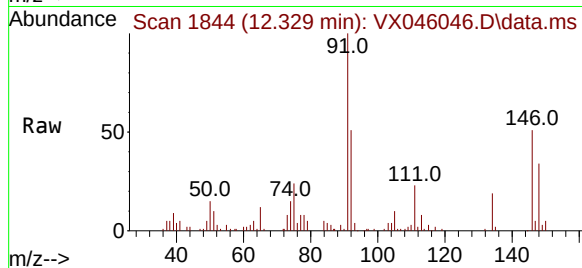
134 21.2 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#90

Hexachloroethane

Concen: 3.153 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX046046.D

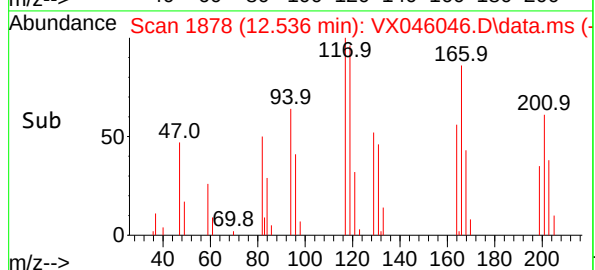
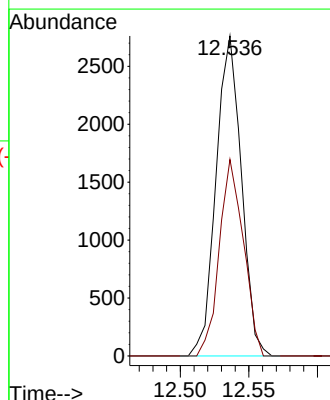
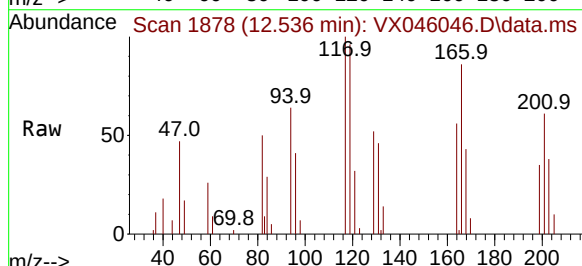
Acq: 05 May 2025 16:04

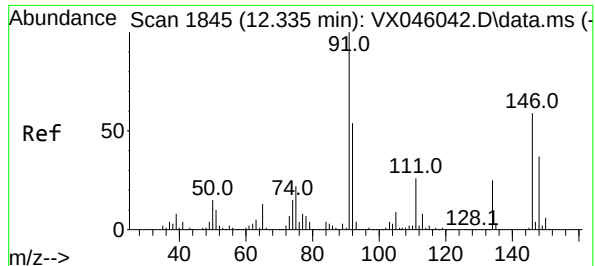
Tgt Ion:117 Resp: 3553

Ion Ratio Lower Upper

117 100

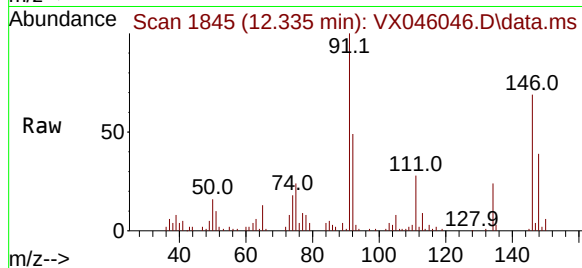
201 58.5 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 3.444 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

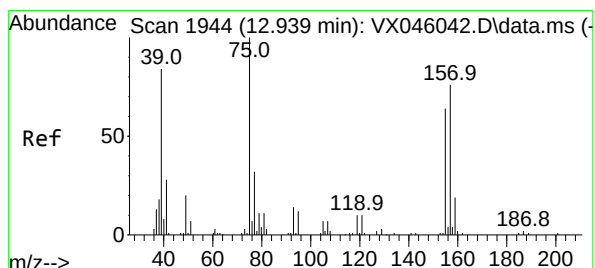
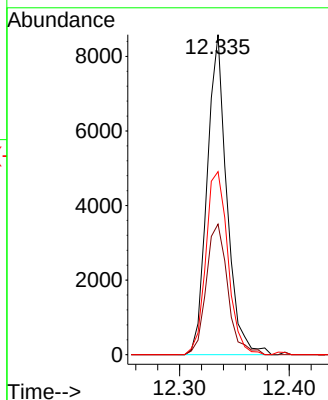
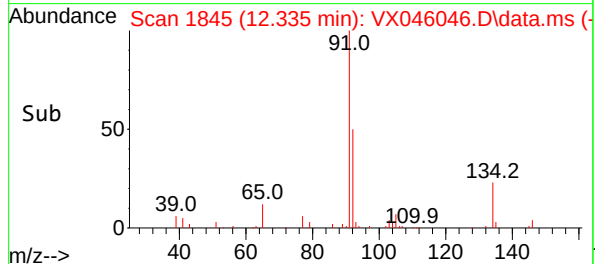
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:146 Resp: 10712
Ion Ratio Lower Upper
146 100
111 44.7 22.4 67.3
148 64.2 31.6 94.8

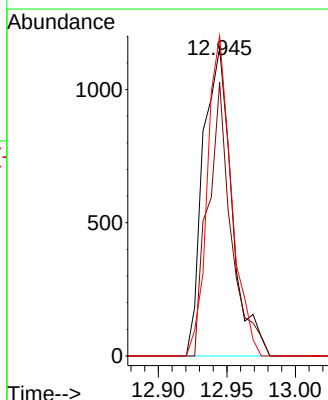
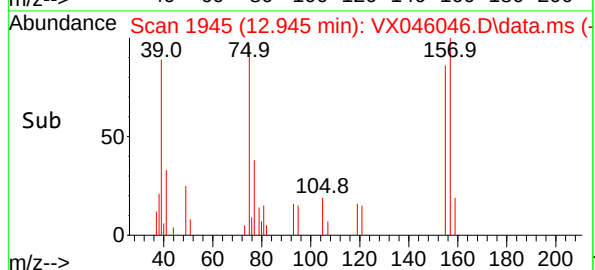
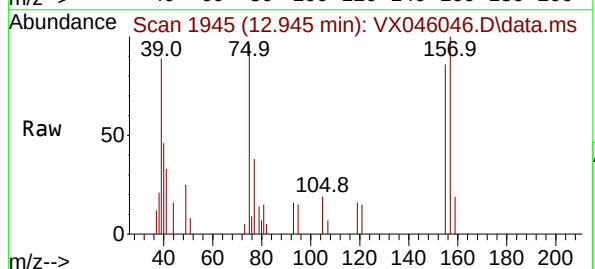
Manual Integrations
APPROVED

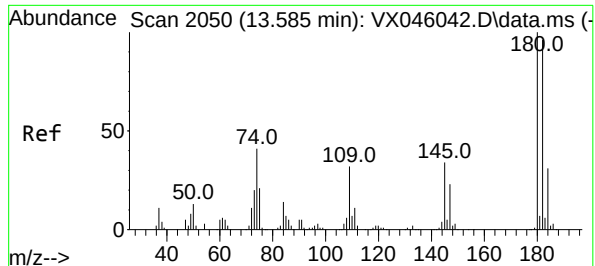
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.812 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

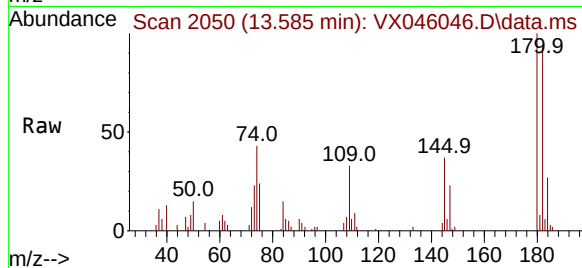
Tgt Ion: 75 Resp: 1687
Ion Ratio Lower Upper
75 100
155 71.7 34.9 104.8
157 87.0 43.8 131.4





#93
1,2,4-Trichlorobenzene
Concen: 3.359 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

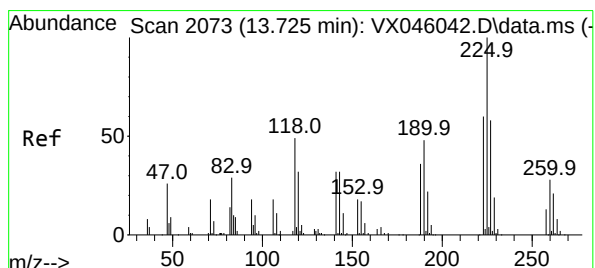
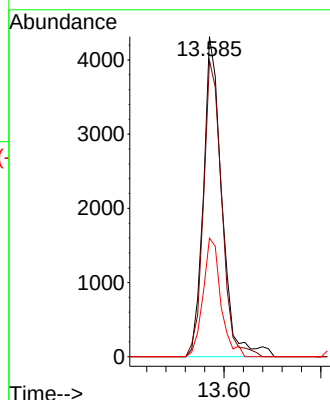
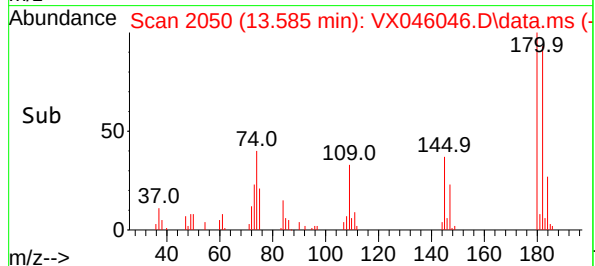
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:180 Resp: 5720
Ion Ratio Lower Upper
180 100
182 91.6 47.9 143.8
145 35.7 17.1 51.2

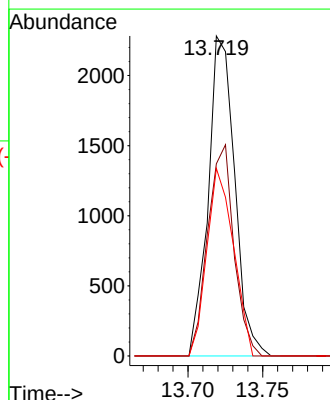
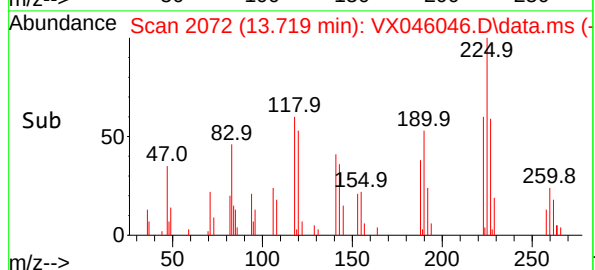
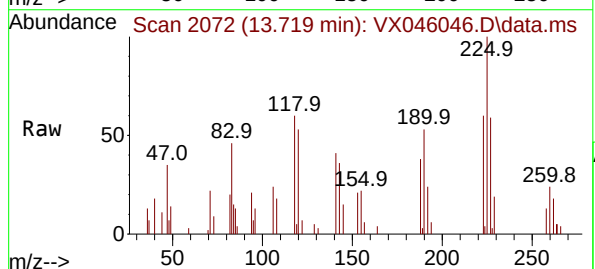
Manual Integrations
APPROVED

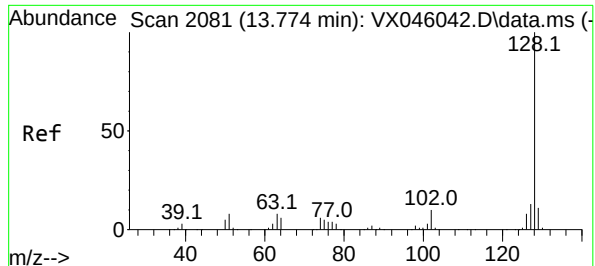
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#94
Hexachlorobutadiene
Concen: 3.535 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

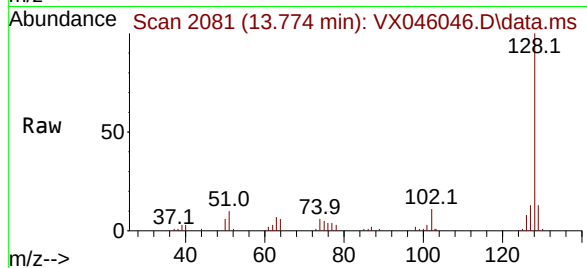
Tgt Ion:225 Resp: 2816
Ion Ratio Lower Upper
225 100
223 65.1 30.8 92.4
227 58.8 30.9 92.7





#95
Naphthalene
Concen: 3.209 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

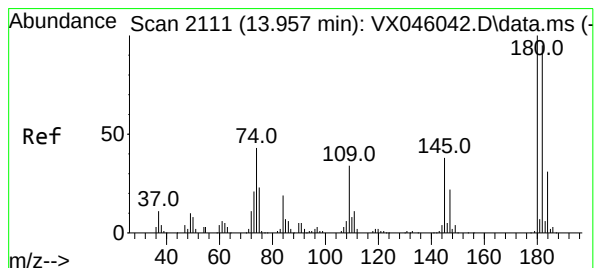
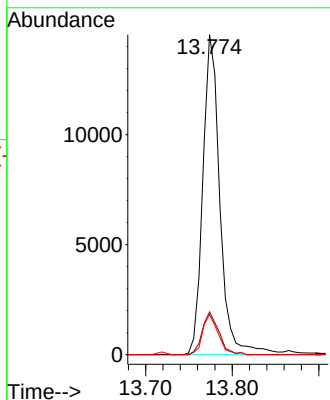
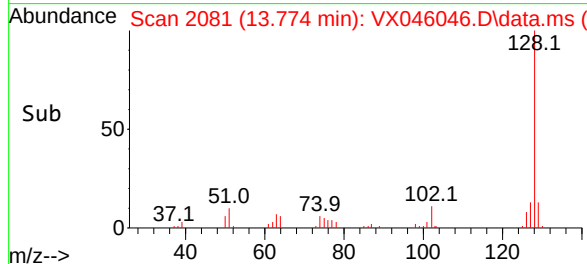
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:128 Resp: 1990
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.5 8.6 13.0

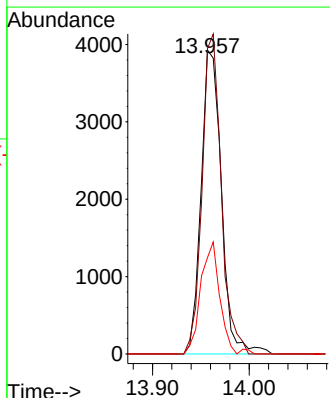
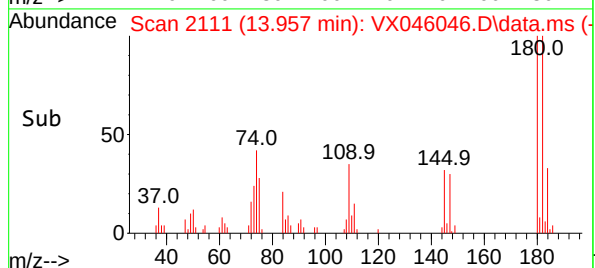
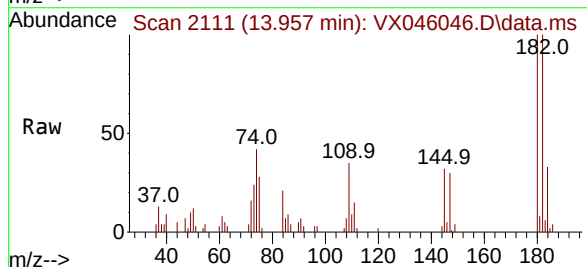
Manual Integrations
APPROVED

Reviewed By :John Carbone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 3.217 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:180 Resp: 5745
Ion Ratio Lower Upper
180 100
182 99.1 47.8 143.3
145 34.8 18.1 54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046047.D
 Acq On : 05 May 2025 16:27
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:13:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	92040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167022	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1211	0.596	ug/l	98
3) Chloromethane	1.307	50	1278	0.639	ug/l	97
4) Vinyl Chloride	1.374	62	1239	0.707	ug/l #	82
6) Chloroethane	1.678	64	859	0.951	ug/l	91
7) Trichlorofluoromethane	1.880	101	1959	0.734	ug/l	95
8) Diethyl Ether	2.130	74	742	0.845	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.319	101	1166	0.731	ug/l	96
12) 1,1-Dichloroethene	2.313	96	1093	0.704	ug/l #	87
14) Allyl chloride	2.654	41	1936	0.660	ug/l	89
15) Acrylonitrile	3.075	53	3343	3.424	ug/l	98
16) Acetone	2.380	43	3500	3.736	ug/l	97
17) Carbon Disulfide	2.508	76	2619	0.728	ug/l	98
18) Methyl Acetate	2.709	43	1852	0.828	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	3588	0.662	ug/l	96
20) Methylene Chloride	2.782	84	1571	0.828	ug/l #	90
21) trans-1,2-Dichloroethene	3.081	96	1111	0.701	ug/l #	71
22) Diisopropyl ether	3.757	45	3857	0.703	ug/l #	26
23) Vinyl Acetate	3.727	43	15283	3.154	ug/l	96
24) 1,1-Dichloroethane	3.605	63	2054	0.637	ug/l	97
25) 2-Butanone	4.593	43	4558	3.371	ug/l	92
26) 2,2-Dichloropropane	4.458	77	1777	0.728	ug/l	84
27) cis-1,2-Dichloroethene	4.483	96	1324	0.693	ug/l	91
28) Bromochloromethane	4.910	49	1061m	0.619	ug/l	
29) Tetrahydrofuran	5.019	42	2931	3.338	ug/l	99
30) Chloroform	5.093	83	2328	0.695	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	1869	0.647	ug/l #	51
36) 1,1-Dichloropropene	5.684	75	1648	0.758	ug/l #	83
37) Ethyl Acetate	4.733	43	1956m	0.717	ug/l	
38) Carbon Tetrachloride	5.678	117	1807	0.724	ug/l #	78
39) Methylcyclohexane	7.373	83	2096	0.770	ug/l	97
40) Benzene	6.044	78	4502	0.668	ug/l #	89
41) Methacrylonitrile	4.946	41	778	0.513	ug/l #	56
42) 1,2-Dichloroethane	6.092	62	1934	0.694	ug/l	81
43) Isopropyl Acetate	6.354	43	2553	0.612	ug/l #	81
44) Trichloroethene	7.135	130	1083	0.680	ug/l	85
45) 1,2-Dichloropropane	7.440	63	1059	0.633	ug/l	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046047.D
 Acq On : 05 May 2025 16:27
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: May 06 06:13:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 06:04:56 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

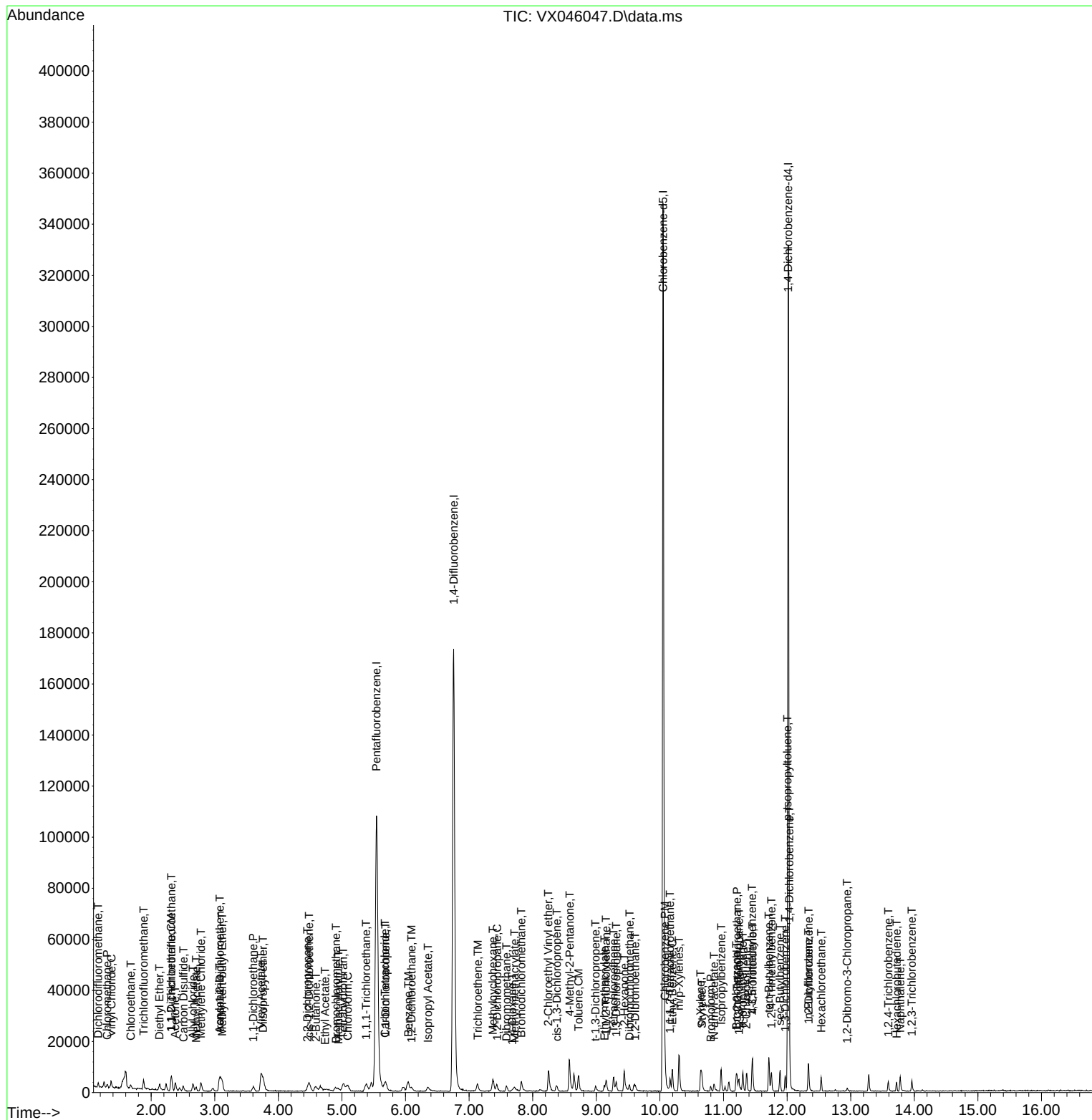
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.586	93	880	0.667	ug/l	97
47) Bromodichloromethane	7.818	83	1620	0.633	ug/l #	91
48) Methyl methacrylate	7.714	41	1235m	0.577	ug/l	
49) 1,4-Dioxane	7.677	88	498	11.703	ug/l #	66
51) 4-Methyl-2-Pentanone	8.580	43	9378	3.430	ug/l	97
52) Toluene	8.720	92	2684	0.672	ug/l	96
53) t-1,3-Dichloropropene	8.988	75	1238	0.576	ug/l #	79
54) cis-1,3-Dichloropropene	8.379	75	1414	0.564	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	1029	0.637	ug/l	92
56) Ethyl methacrylate	9.128	69	1260	0.504	ug/l #	76
57) 1,3-Dichloropropane	9.311	76	2036	0.711	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	3846	3.420	ug/l	94
59) 2-Hexanone	9.439	43	6424	3.096	ug/l	88
60) Dibromochloromethane	9.525	129	1023	0.582	ug/l	93
61) 1,2-Dibromoethane	9.610	107	1077	0.650	ug/l	98
64) Tetrachloroethene	9.275	164	972	0.679	ug/l	95
65) Chlorobenzene	10.079	112	3170	0.735	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	1035	0.720	ug/l #	67
67) Ethyl Benzene	10.195	91	5052	0.687	ug/l	94
68) m/p-Xylenes	10.299	106	3630	1.367	ug/l	97
69) o-Xylene	10.640	106	1799	0.672	ug/l	94
70) Styrene	10.659	104	2664	0.622	ug/l	98
71) Bromoform	10.799	173	657	0.608	ug/l #	100
73) Isopropylbenzene	10.963	105	4480	0.695	ug/l	96
74) N-amyl acetate	10.854	43	2028	0.631	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	1835	0.800	ug/l	94
76) 1,2,3-Trichloropropane	11.244	75	1661m	0.674	ug/l	
77) Bromobenzene	11.201	156	1095	0.734	ug/l	96
78) n-propylbenzene	11.305	91	5052	0.699	ug/l	97
79) 2-Chlorotoluene	11.360	91	3765	0.773	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	3590	0.671	ug/l	96
82) 4-Chlorotoluene	11.457	91	3815	0.713	ug/l	97
83) tert-Butylbenzene	11.713	119	3951	0.751	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	3725	0.697	ug/l	97
85) sec-Butylbenzene	11.890	105	4385	0.672	ug/l	100
86) p-Isopropyltoluene	12.006	119	3577	0.679	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	1914	0.689	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	2149m	0.789	ug/l	
89) n-Butylbenzene	12.335	91	2889	0.631	ug/l	92
90) Hexachloroethane	12.536	117	604	0.616	ug/l	99
91) 1,2-Dichlorobenzene	12.341	146	2022	0.747	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	306	0.586	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	1019	0.688	ug/l	94
94) Hexachlorobutadiene	13.725	225	465	0.671	ug/l	89
95) Naphthalene	13.780	128	4138	0.767	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1113	0.716	ug/l	96

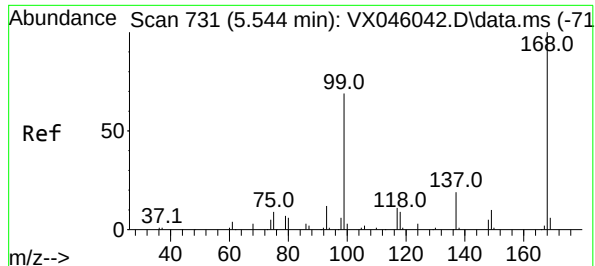
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025





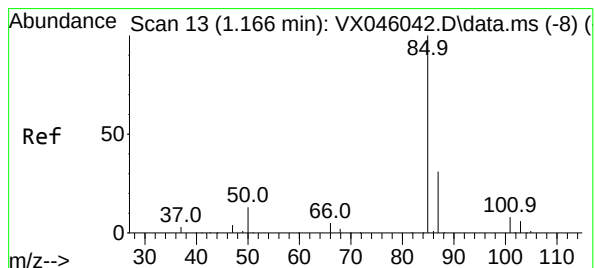
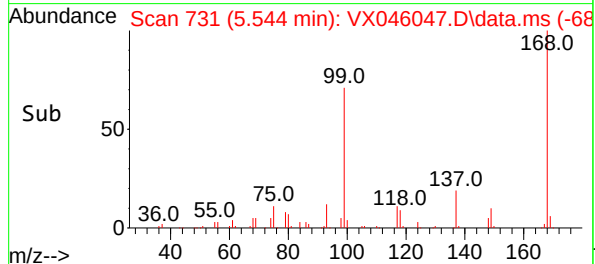
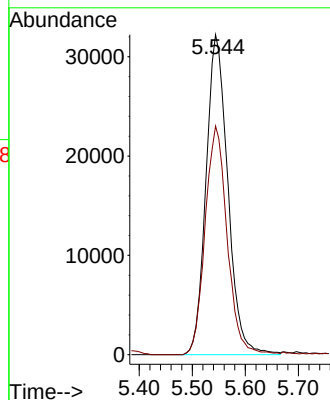
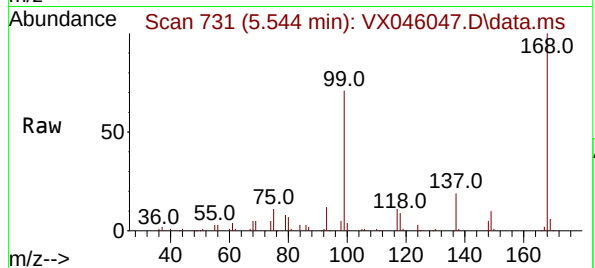
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:168 Resp: 92040
Ion Ratio Lower Upper
168 100
99 71.5 54.9 82.3

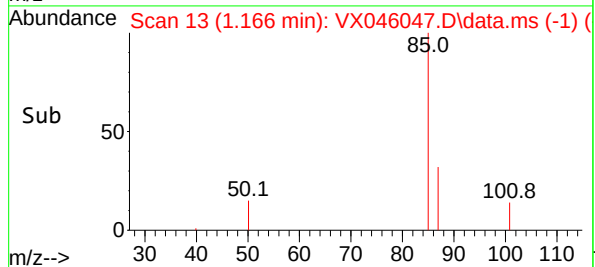
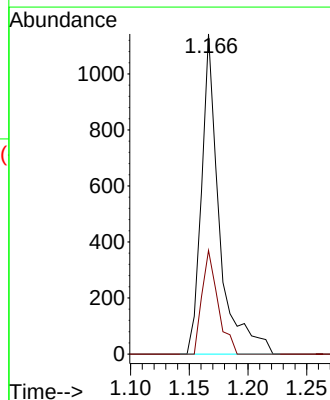
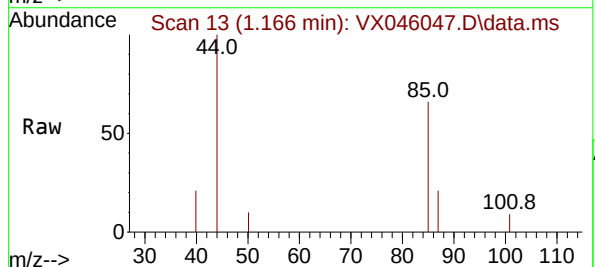
Manual Integrations
APPROVED

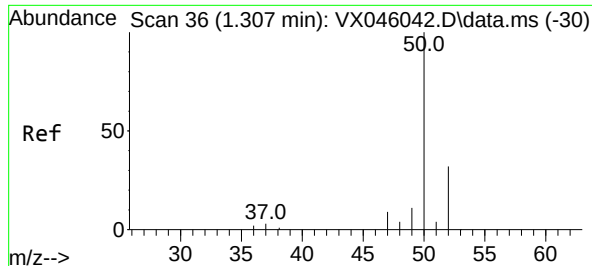
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#2
Dichlorodifluoromethane
Concen: 0.596 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 85 Resp: 1211
Ion Ratio Lower Upper
85 100
87 32.4 15.7 47.1





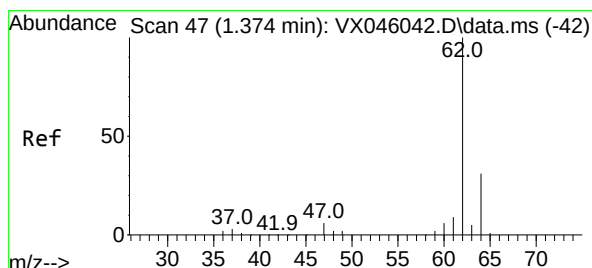
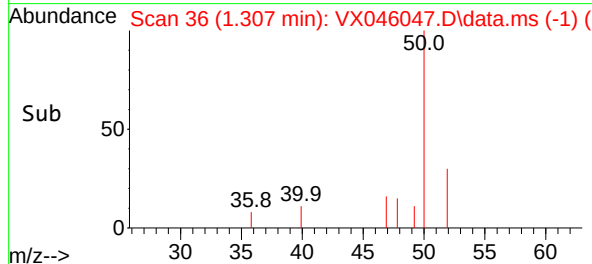
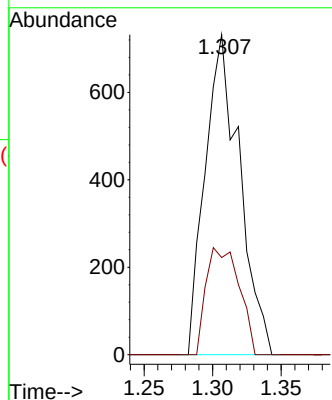
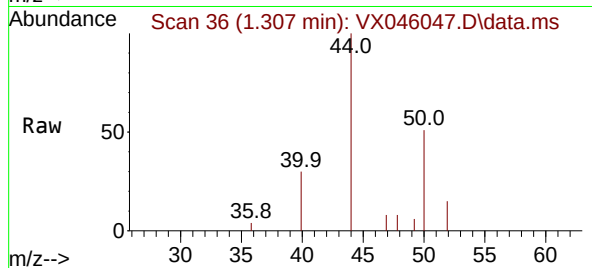
#3
Chloromethane
Concen: 0.639 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1278
Ion Ratio Lower Upper
50 100
52 30.3 25.4 38.2

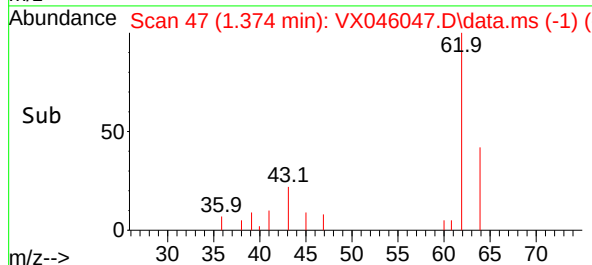
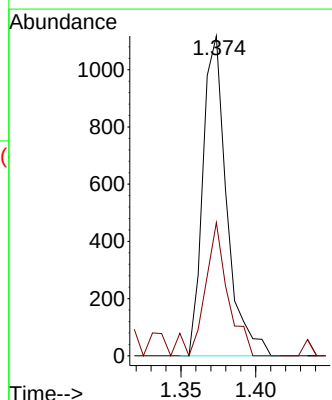
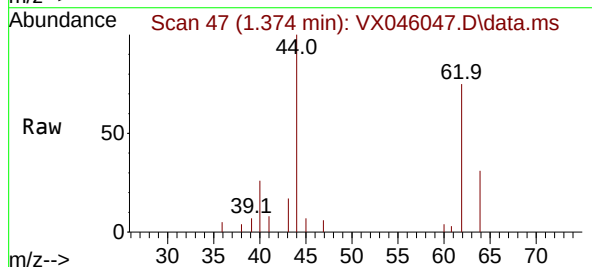
Manual Integrations
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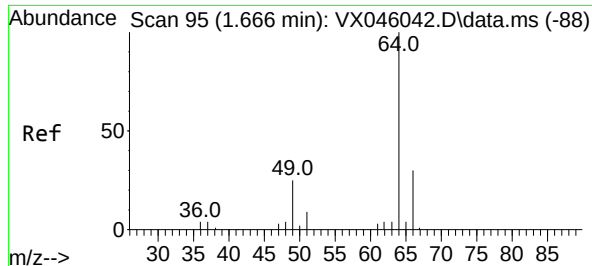
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#4
Vinyl Chloride
Concen: 0.707 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 1239
Ion Ratio Lower Upper
62 100
64 41.7 25.2 37.8#





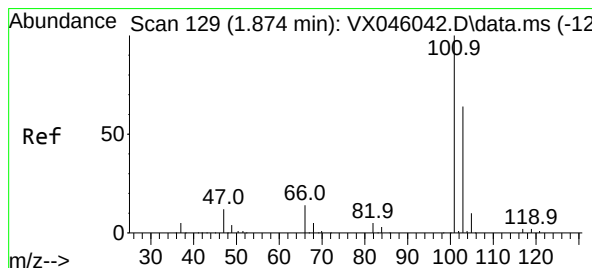
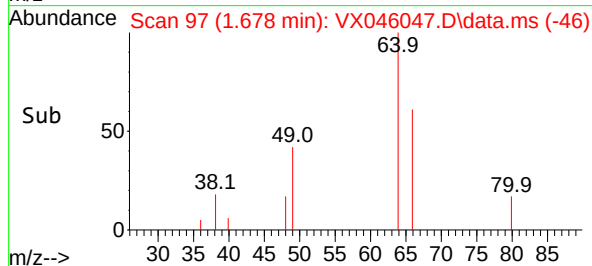
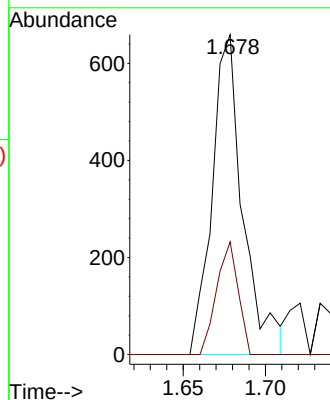
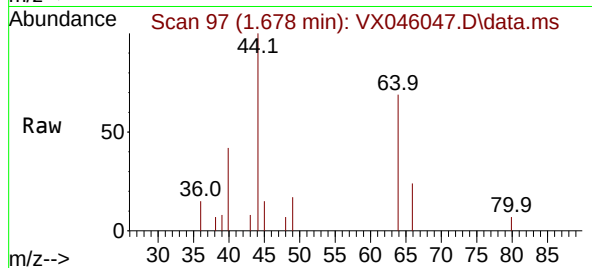
#6
Chloroethane
Concen: 0.951 ug/l
RT: 1.678 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 859
Ion Ratio Lower Upper
64 100
66 35.2 24.3 36.5

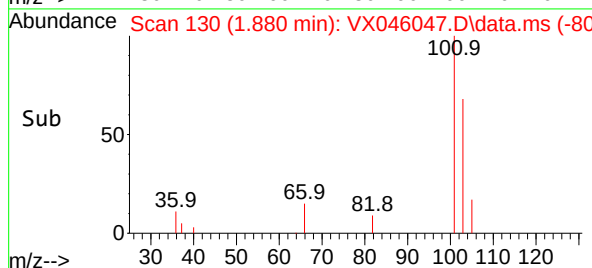
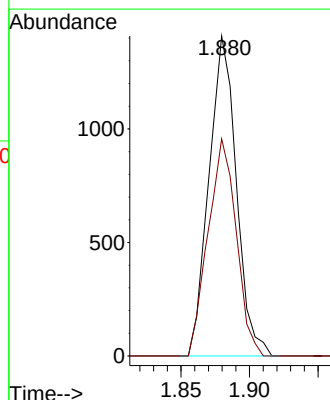
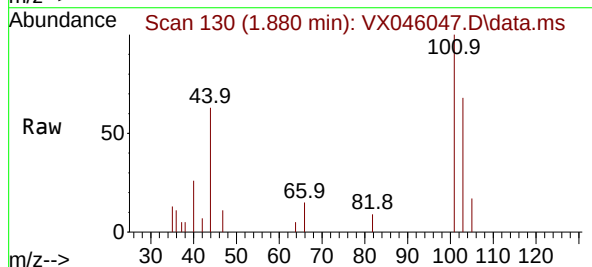
Manual Integrations
APPROVED

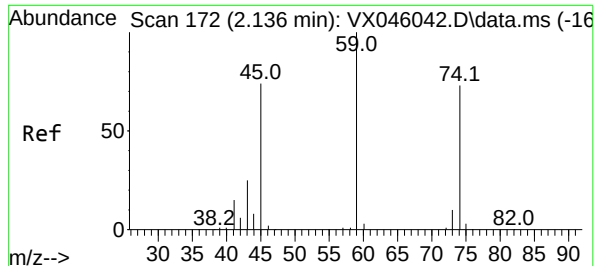
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#7
Trichlorofluoromethane
Concen: 0.734 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:101 Resp: 1959
Ion Ratio Lower Upper
101 100
103 67.8 51.0 76.4





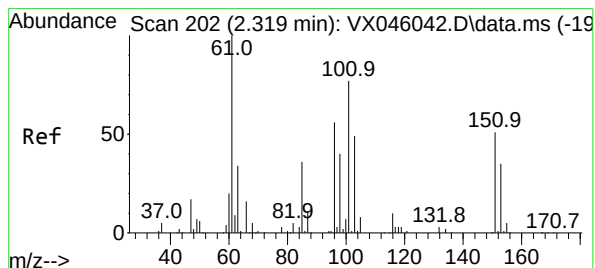
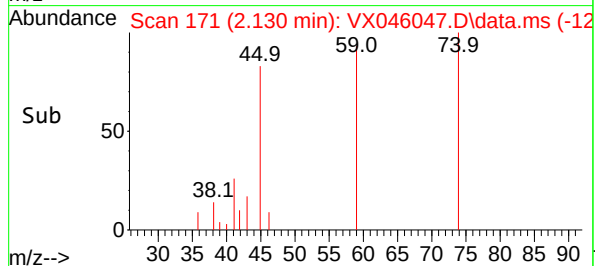
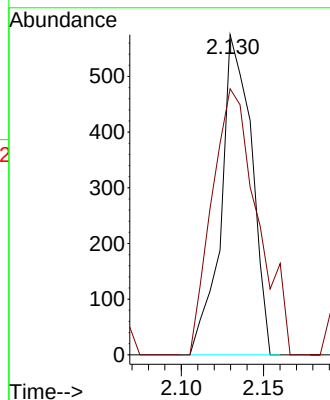
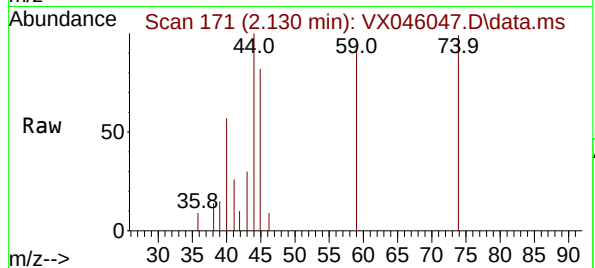
#8
Diethyl Ether
Concen: 0.845 ug/l
RT: 2.130 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 74 Resp: 74
Ion Ratio Lower Upper
74 100
45 123.6 54.9 164.8

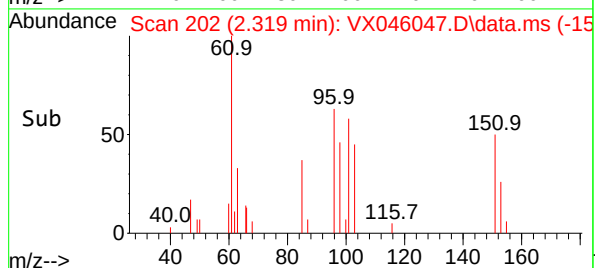
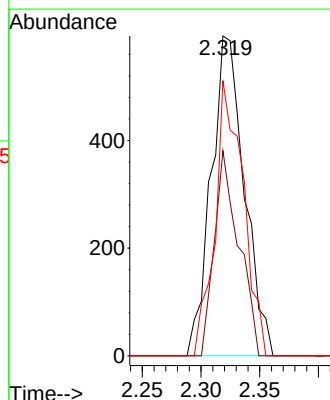
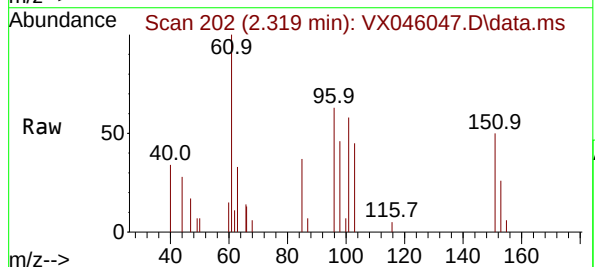
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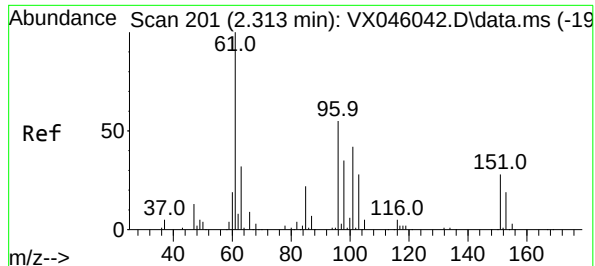
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.731 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:101 Resp: 1166
Ion Ratio Lower Upper
101 100
85 47.3 38.6 58.0
151 73.1 55.2 82.8





#12

1,1-Dichloroethene

Concen: 0.704 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

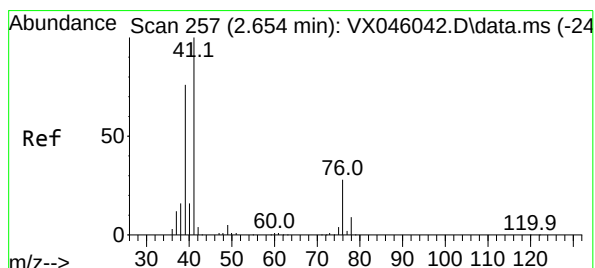
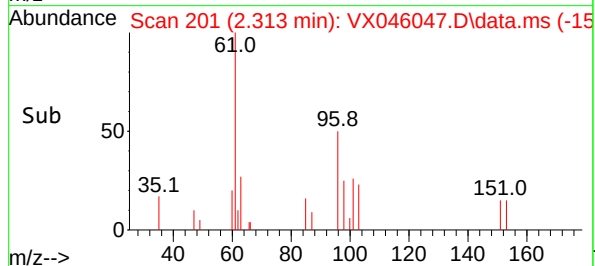
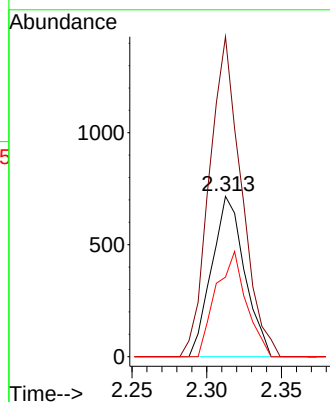
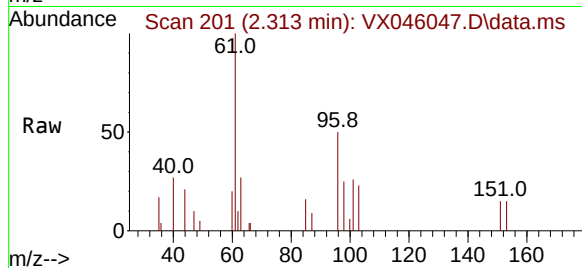
Tgt Ion:	96	Resp:	109
Ion	Ratio	Lower	Upper
96	100		
61	199.6	146.2	219.2
98	49.6	51.0	76.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#14

Allyl chloride

Concen: 0.660 ug/l

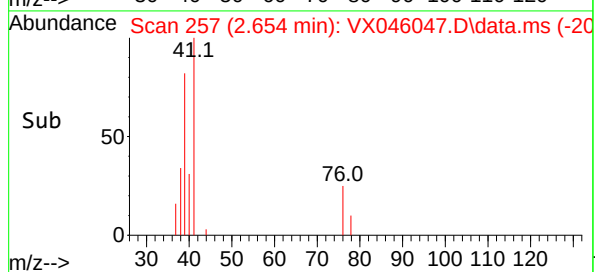
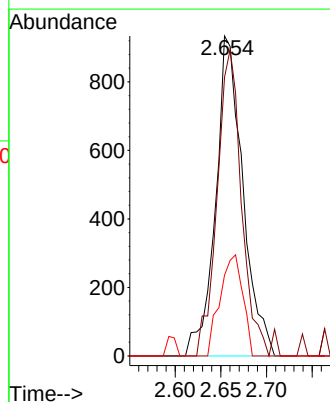
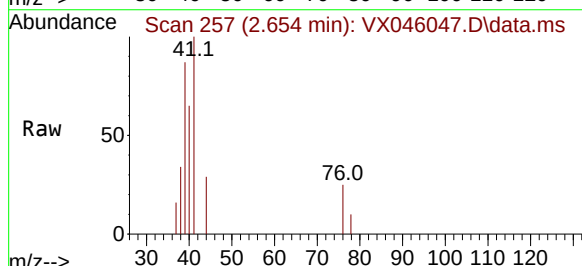
RT: 2.654 min Scan# 257

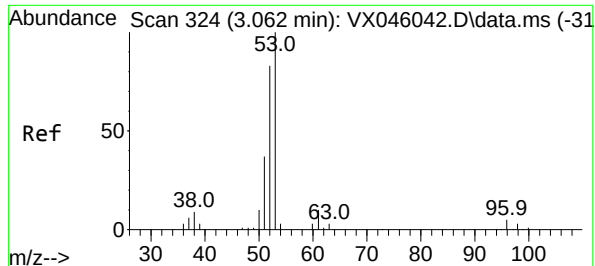
Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Tgt Ion:	41	Resp:	1936
Ion	Ratio	Lower	Upper
41	100		
39	85.5	60.6	90.8
76	26.4	24.9	37.3





#15

Acrylonitrile

Concen: 3.424 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

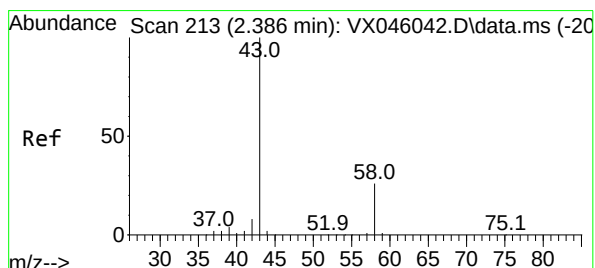
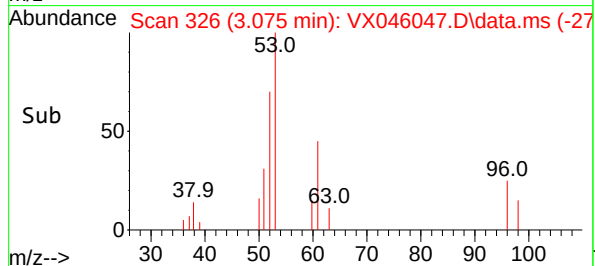
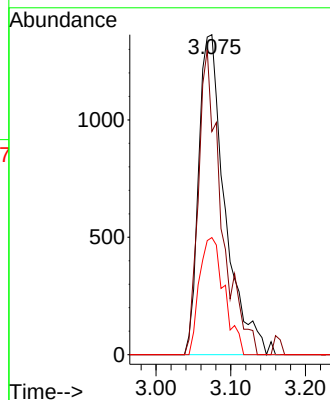
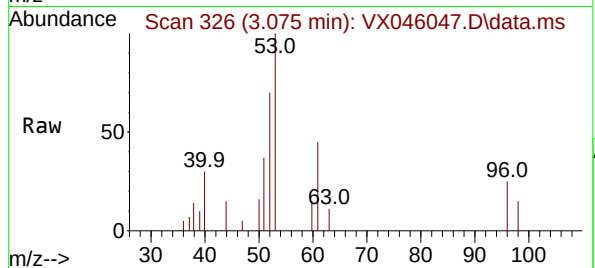
Tgt Ion: 53	Resp: 334
Ion Ratio	Lower Upper
53 100	
52 82.9	65.3 97.9
51 34.4	29.8 44.8

Manual Integrations

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#16

Acetone

Concen: 3.736 ug/l

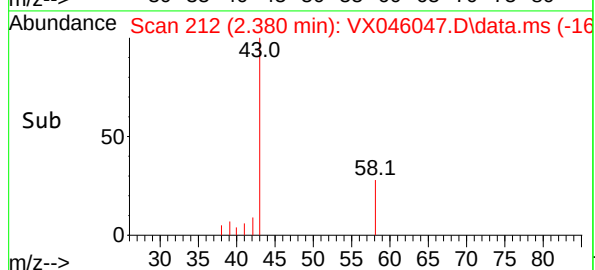
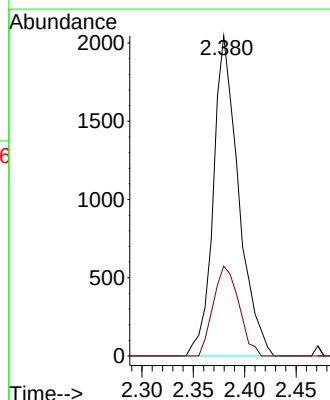
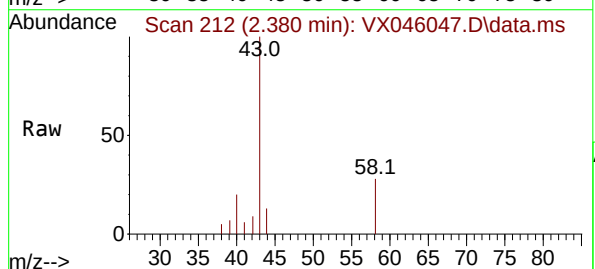
RT: 2.380 min Scan# 212

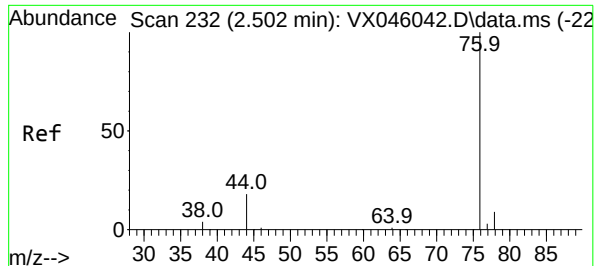
Delta R.T. -0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Tgt Ion: 43	Resp: 3500
Ion Ratio	Lower Upper
43 100	
58 28.1	21.2 31.8





#17

Carbon Disulfide

Concen: 0.728 ug/l

RT: 2.508 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 2619

Ion Ratio Lower Upper

76 100

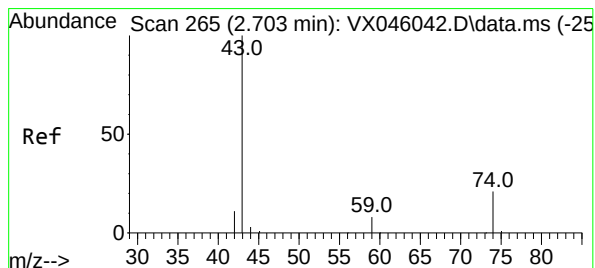
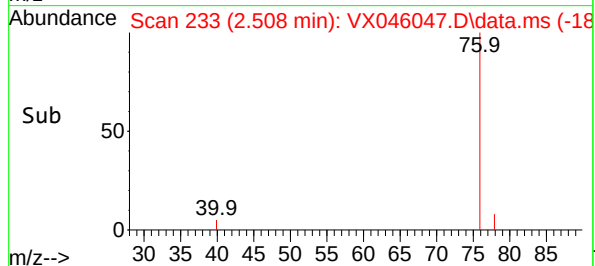
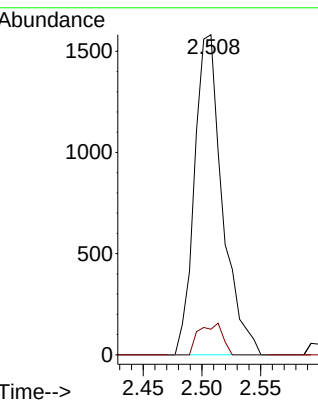
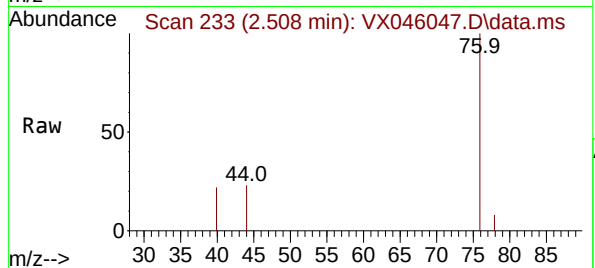
78 8.0 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#18

Methyl Acetate

Concen: 0.828 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX046047.D

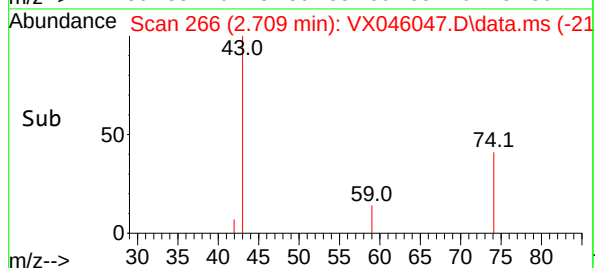
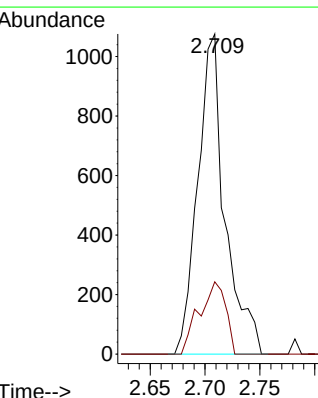
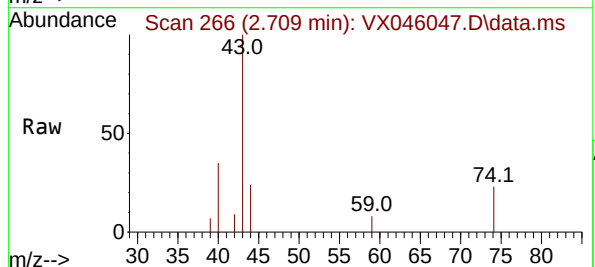
Acq: 05 May 2025 16:27

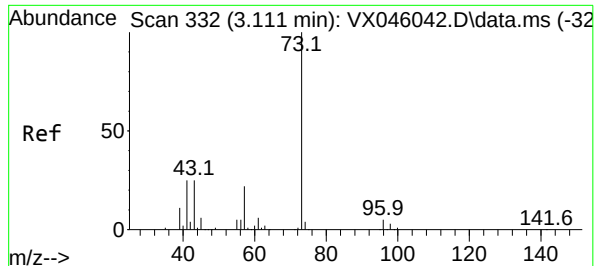
Tgt Ion: 43 Resp: 1852

Ion Ratio Lower Upper

43 100

74 22.0 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 0.662 ug/l

RT: 3.117 min Scan# 311

Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 73 Resp: 3588

Ion Ratio Lower Upper

73 100

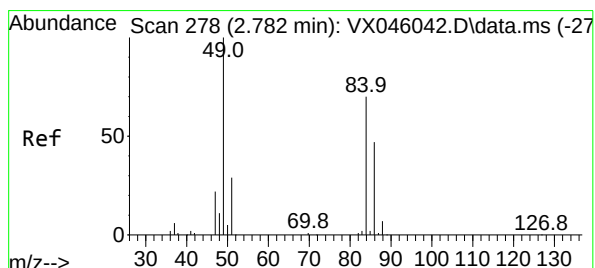
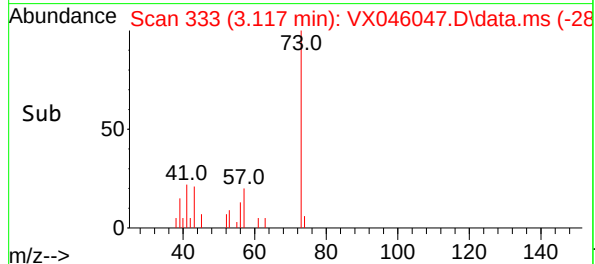
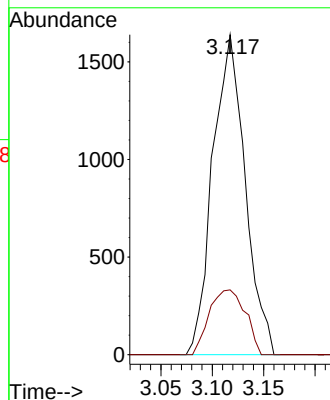
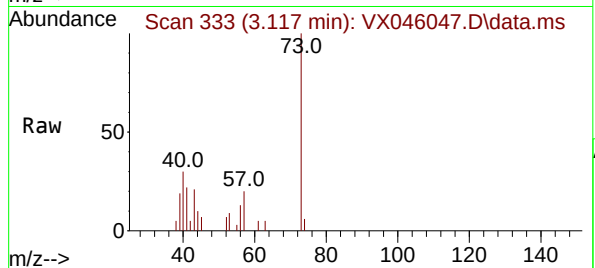
57 20.3 17.7 26.5

Manual Integrations

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#20

Methylene Chloride

Concen: 0.828 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Tgt Ion: 84 Resp: 1571

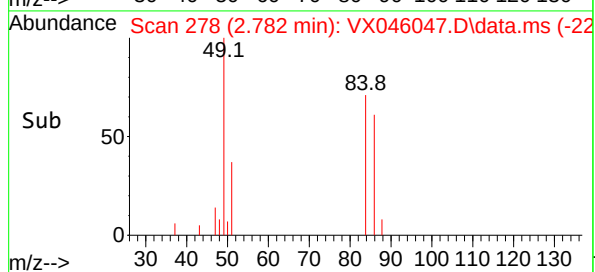
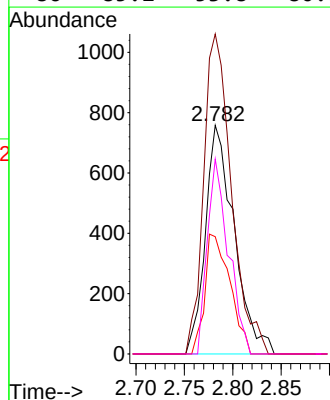
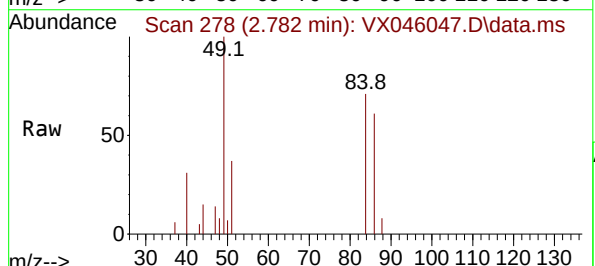
Ion Ratio Lower Upper

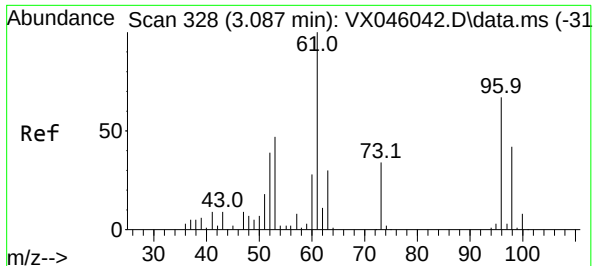
84 100

49 140.0 113.9 170.9

51 51.3 33.5 50.3#

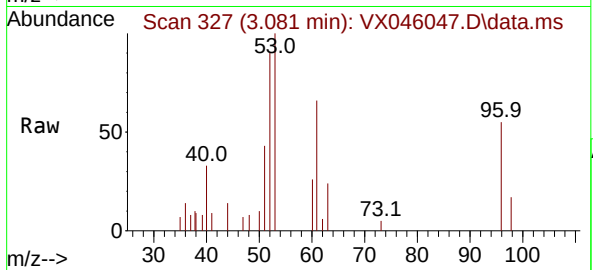
86 85.2 53.8 80.8#





#21
trans-1,2-Dichloroethene
Concen: 0.701 ug/l
RT: 3.081 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

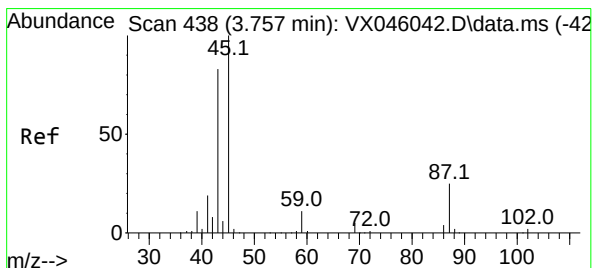
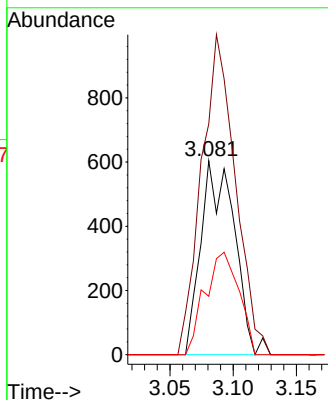
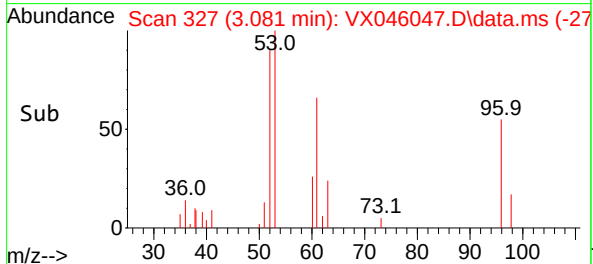
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 96 Resp: 111
Ion Ratio Lower Upper
96 100
61 119.0 119.5 179.3
98 30.1 50.0 75.0

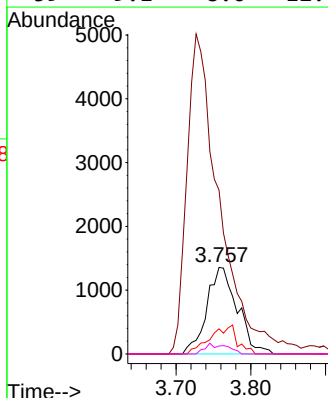
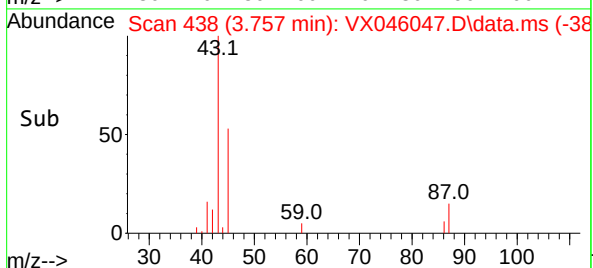
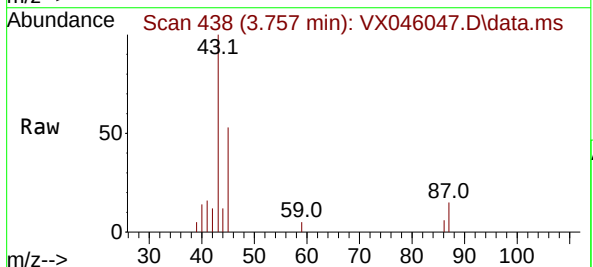
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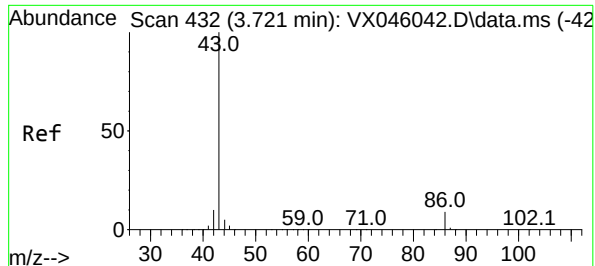
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#22
Diisopropyl ether
Concen: 0.703 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 45 Resp: 3857
Ion Ratio Lower Upper
45 100
43 176.2 66.6 100.0#
87 28.9 19.8 29.6
59 9.1 8.6 12.8





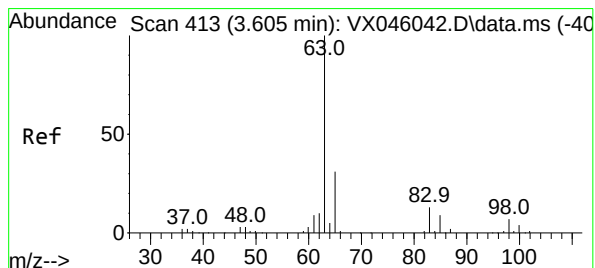
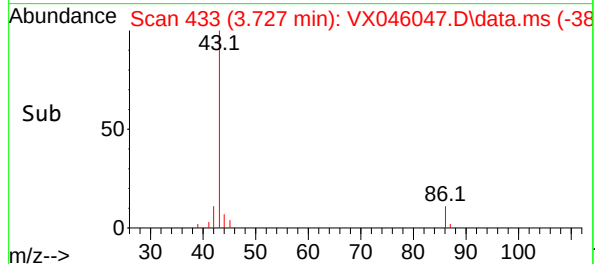
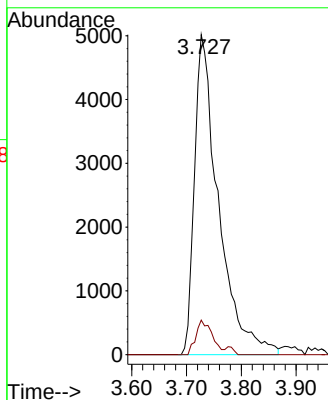
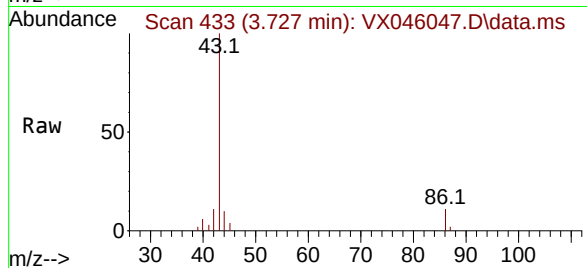
#23
Vinyl Acetate
Concen: 3.154 ug/l
RT: 3.727 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
86 10.8 7.5 11.3

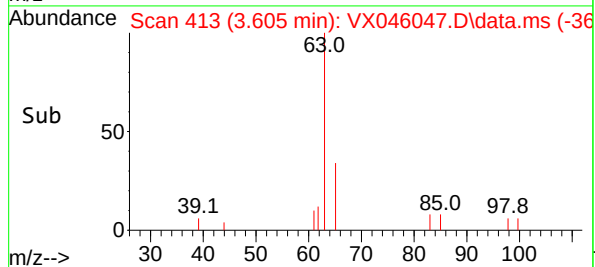
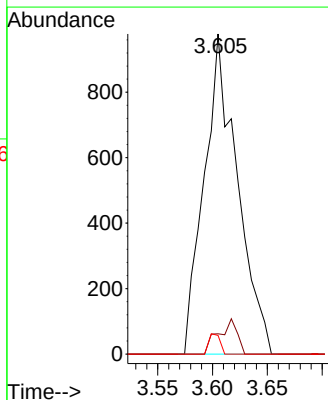
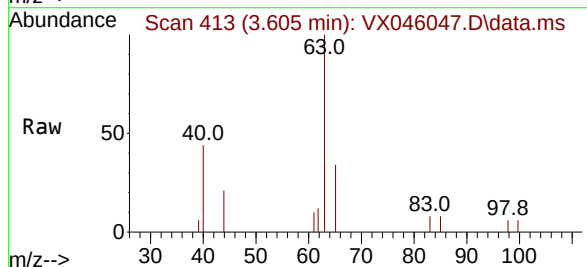
Manual Integrations
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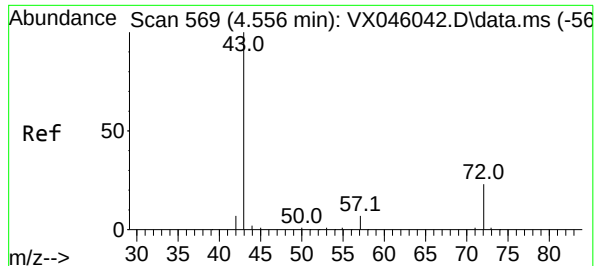
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#24
1,1-Dichloroethane
Concen: 0.637 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 2054
Ion Ratio Lower Upper
63 100
98 6.3 3.6 10.8
100 5.8 2.1 6.3





#25

2-Butanone

Concen: 3.371 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 4558

Ion Ratio Lower Upper

43

100

72

19.2

18.4

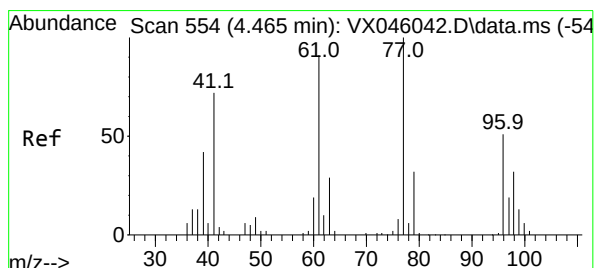
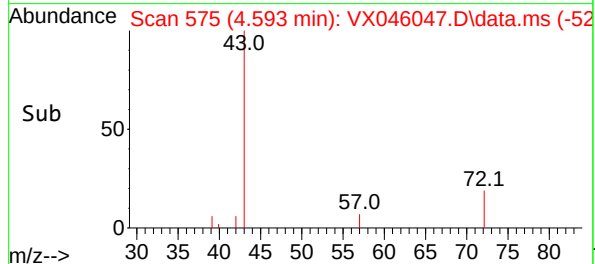
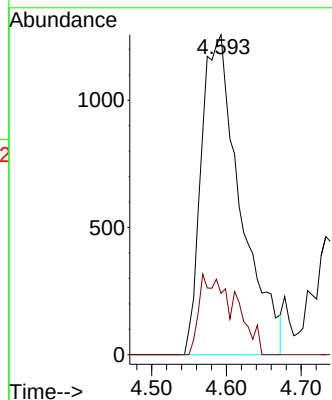
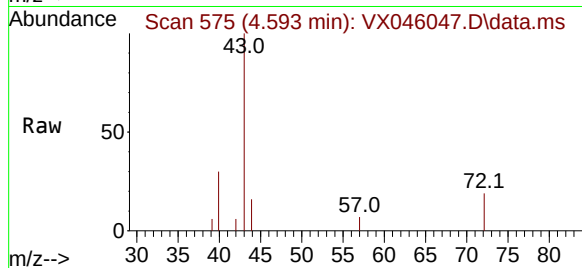
27.6

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#26

2,2-Dichloropropane

Concen: 0.728 ug/l

RT: 4.458 min Scan# 553

Delta R.T. -0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Tgt Ion: 77 Resp: 1777

Ion Ratio Lower Upper

77

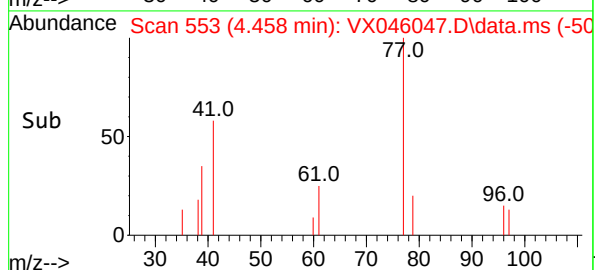
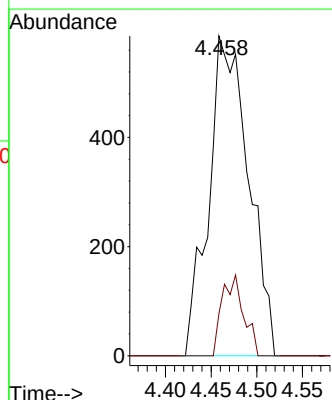
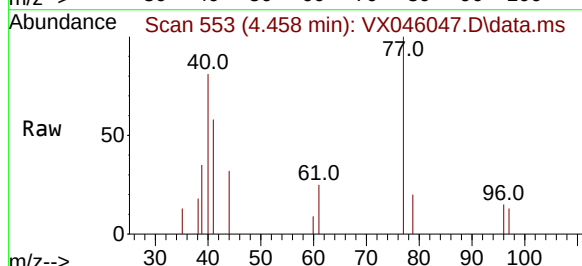
100

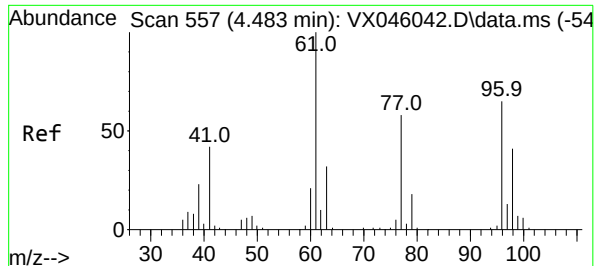
97

13.7

10.5

31.5





#27

cis-1,2-Dichloroethene

Concen: 0.693 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 1324

Ion Ratio Lower Upper

96 100

61 145.5 0.0 322.8

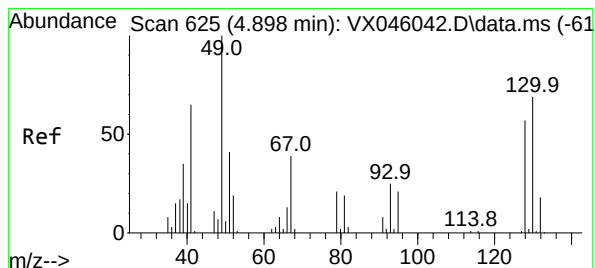
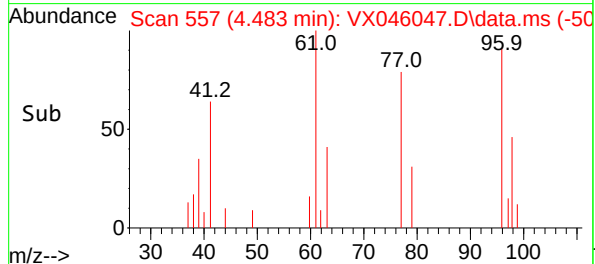
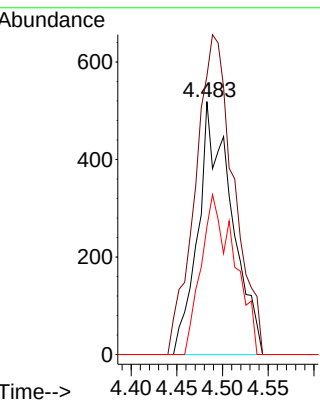
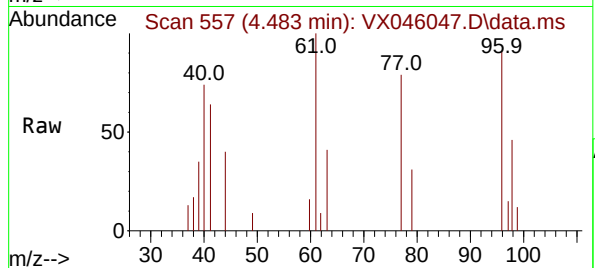
98 63.1 0.0 129.0

Manual Integrations

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#28

Bromochloromethane

Concen: 0.619 ug/l m

RT: 4.910 min Scan# 627

Delta R.T. 0.012 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

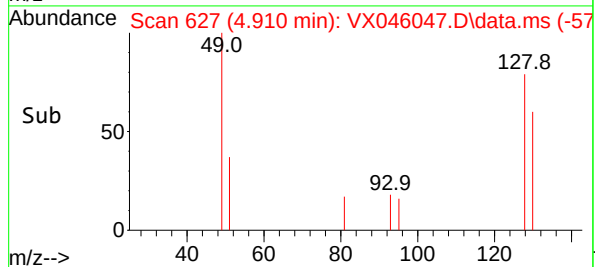
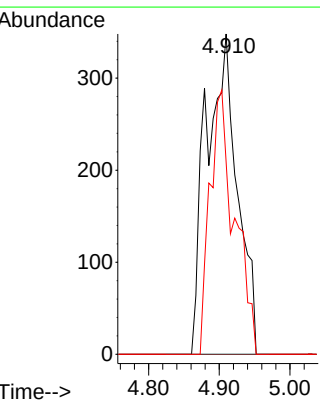
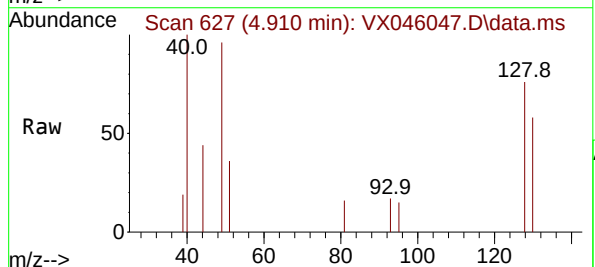
Tgt Ion: 49 Resp: 1061

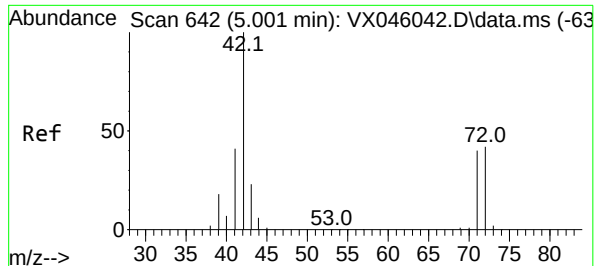
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 65.3 56.2 84.2





#29

Tetrahydrofuran

Concen: 3.338 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

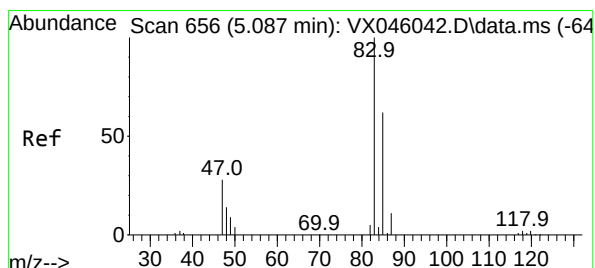
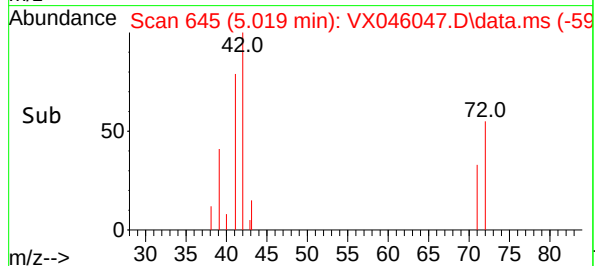
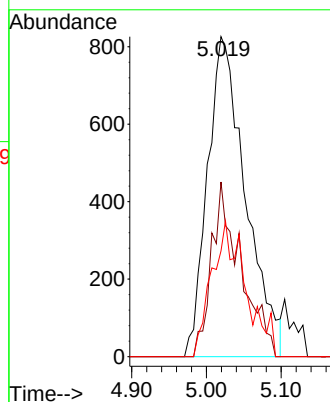
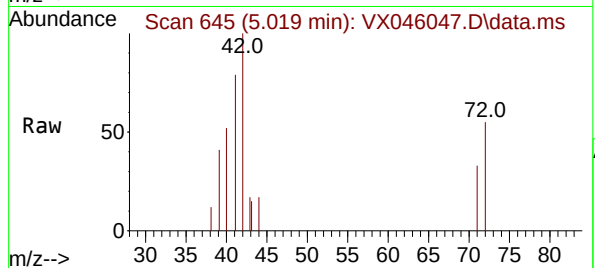
Tgt Ion:	42	Resp:	293
Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	37.7	31.4	47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#30

Chloroform

Concen: 0.695 ug/l

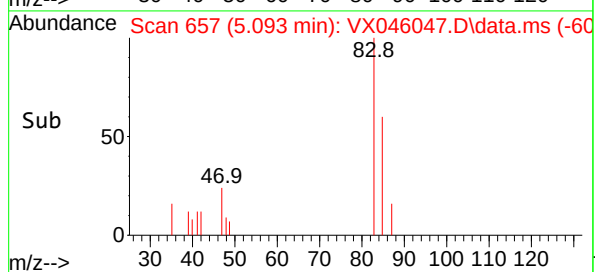
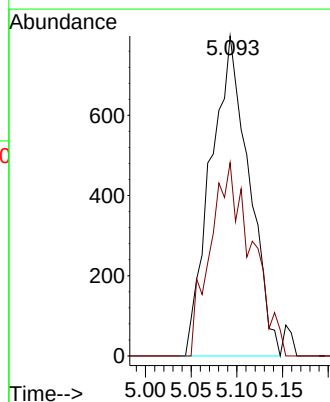
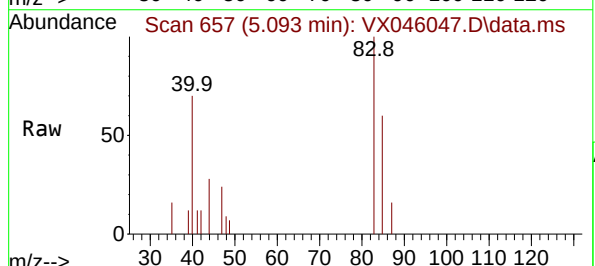
RT: 5.093 min Scan# 657

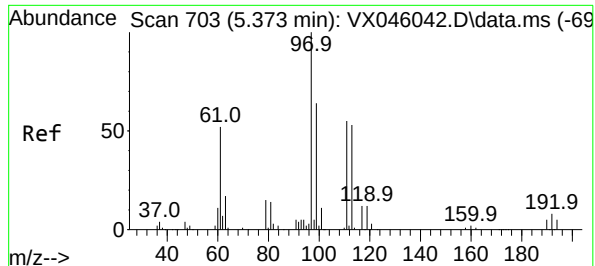
Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Tgt Ion:	83	Resp:	2328
Ion	Ratio	Lower	Upper
83	100		
85	60.4	49.3	73.9





#32

1,1,1-Trichloroethane

Concen: 0.647 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 97 Resp: 1869

Ion Ratio Lower Upper

97 100

99 0.0 51.8 77.6

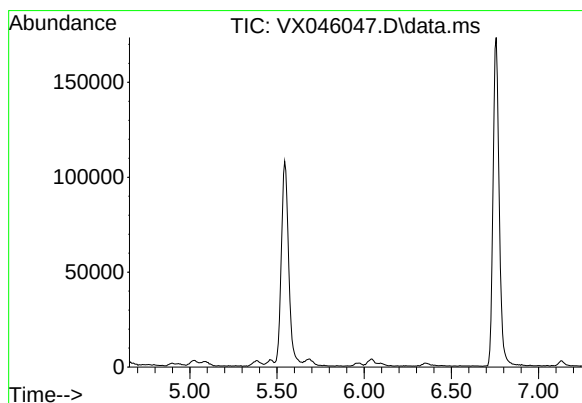
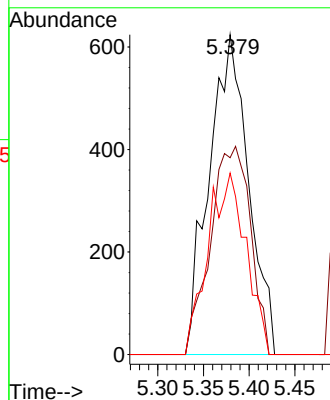
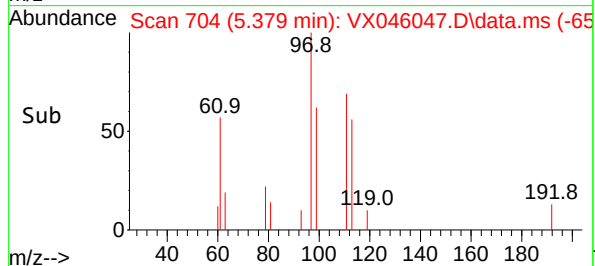
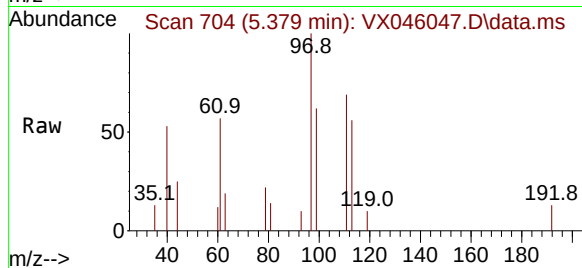
61 55.0 40.1 60.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.95 min

Lab File: VX046047.D

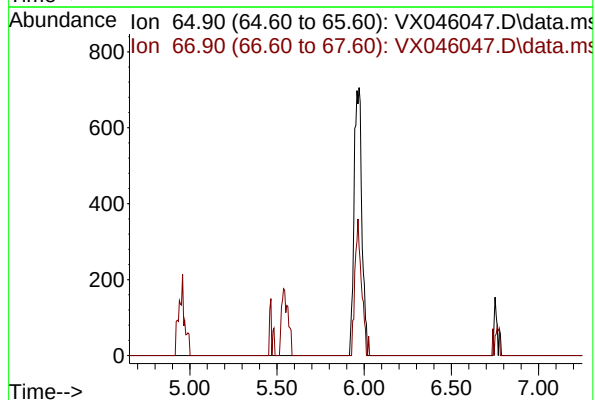
Acq: 05 May 2025 16:27

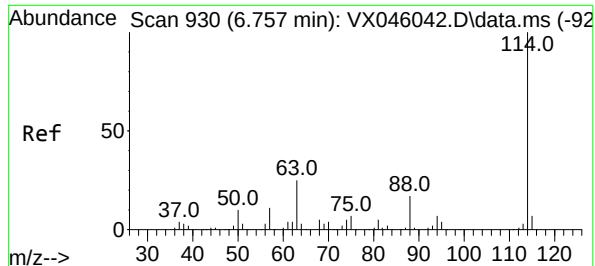
Tgt Ion: 65

Sig Exp Ratio

65 100

67 49.5





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 16702

Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

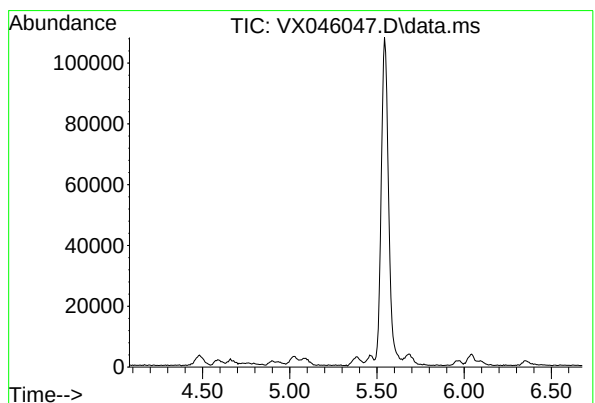
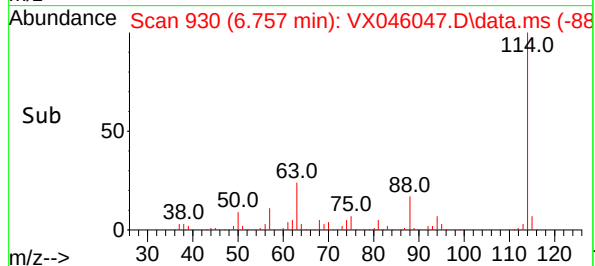
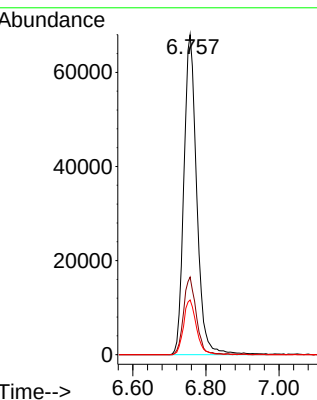
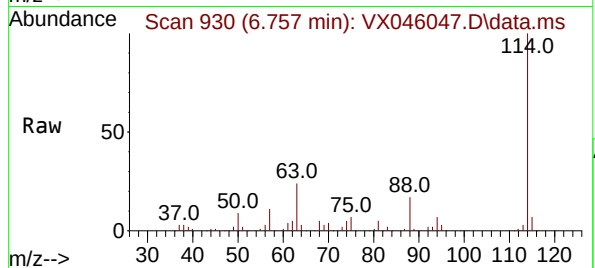
88 17.1 0.0 33.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.38 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

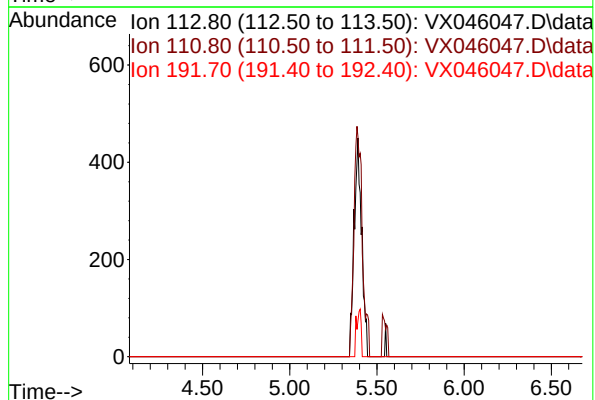
Tgt Ion: 113

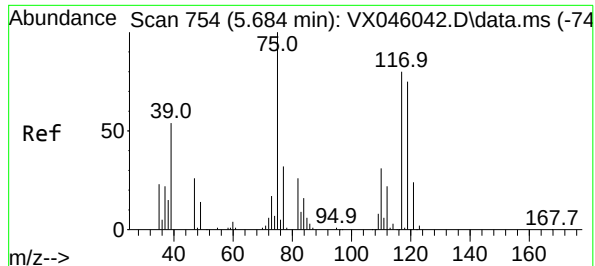
Sig Exp Ratio

113 100

111 103.9

192 16.6





#36

1,1-Dichloropropene

Concen: 0.758 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

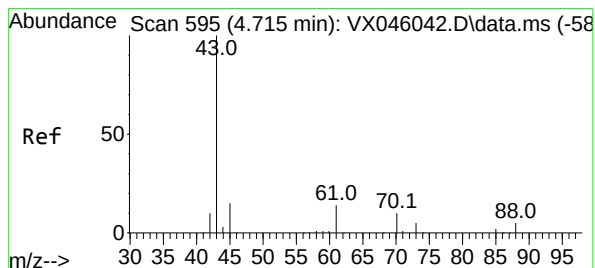
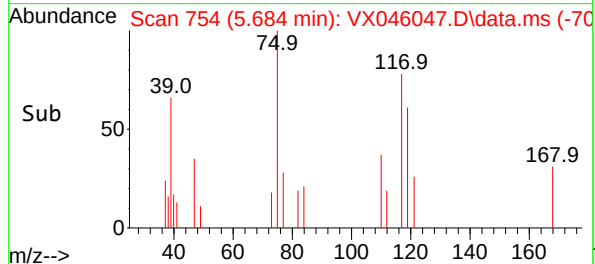
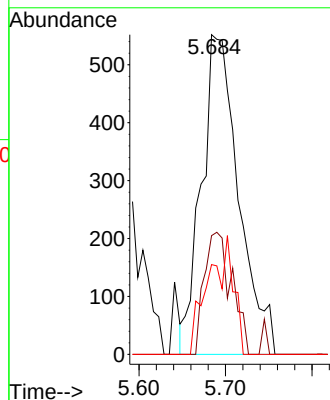
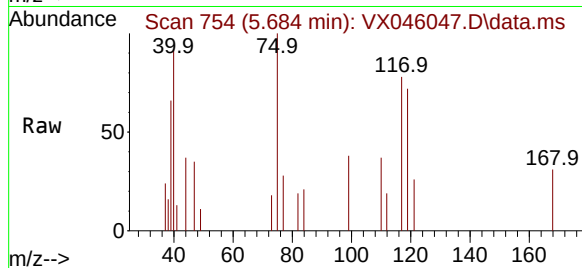
Tgt Ion:	75	Resp:	164
Ion	Ratio	Lower	Upper
75	100		
110	28.2	16.3	48.9
77	15.8	24.3	36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#37

Ethyl Acetate

Concen: 0.717 ug/l m

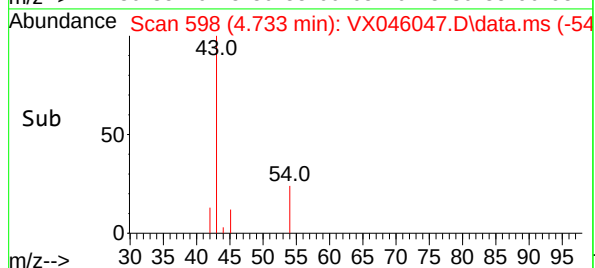
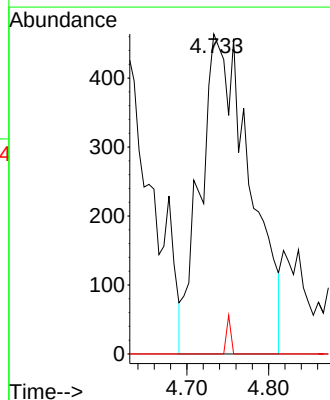
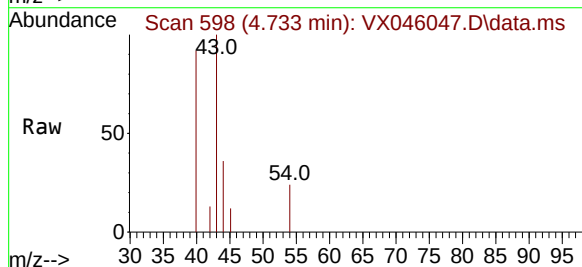
RT: 4.733 min Scan# 598

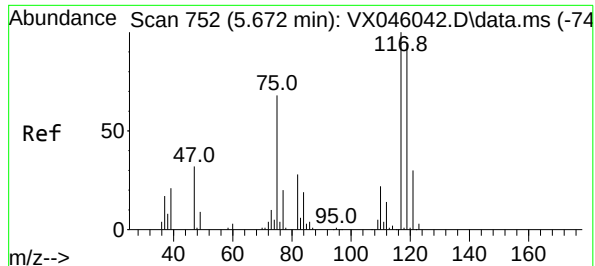
Delta R.T. 0.018 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Tgt Ion:	43	Resp:	1956
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.3	15.5#
70	1.0	7.9	11.9#





#38

Carbon Tetrachloride

Concen: 0.724 ug/l

RT: 5.678 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

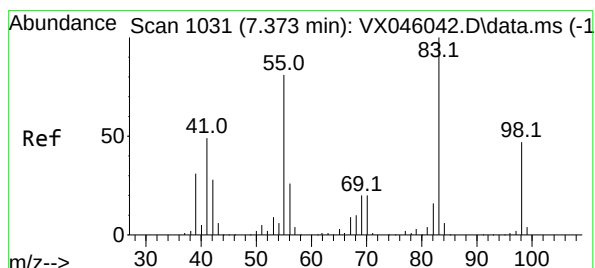
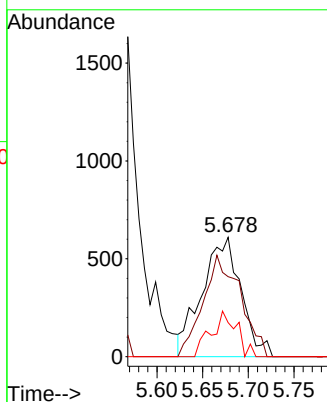
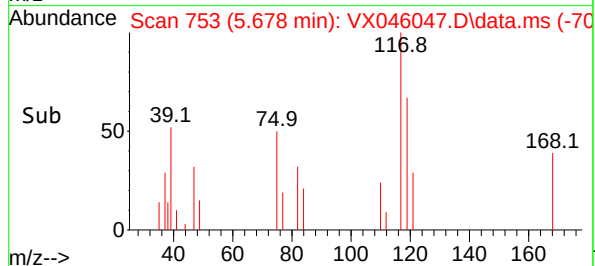
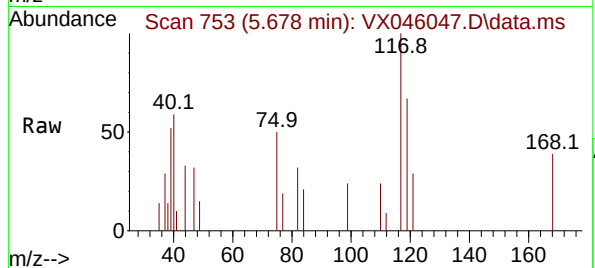
Tgt Ion:	117	Resp:	180
Ion	Ratio	Lower	Upper
117	100		
119	67.0	75.2	112.8
121	28.5	24.2	36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#39

Methylcyclohexane

Concen: 0.770 ug/l

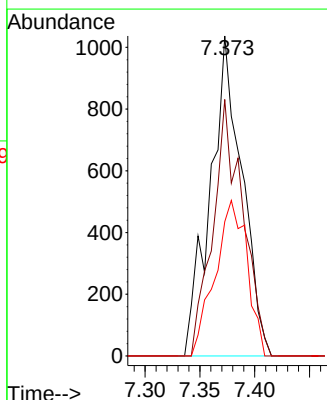
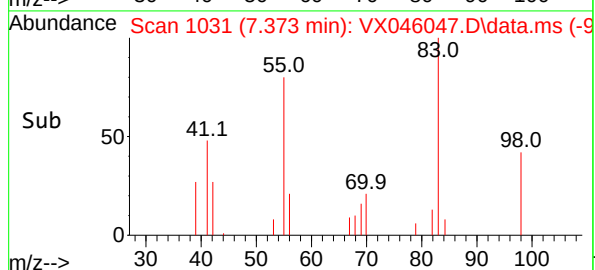
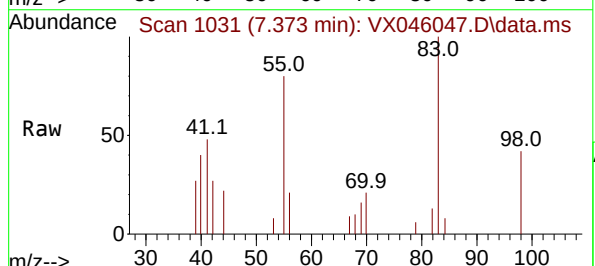
RT: 7.373 min Scan# 1031

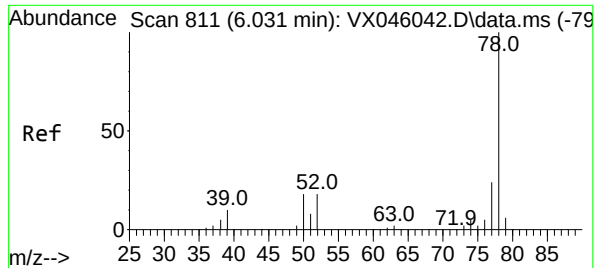
Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Tgt Ion:	83	Resp:	2096
Ion	Ratio	Lower	Upper
83	100		
55	80.1	64.7	97.1
98	41.9	37.4	56.2





#40

Benzene

Concen: 0.668 ug/l

RT: 6.044 min Scan# 811

Delta R.T. 0.012 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 450

Ion Ratio Lower Upper

78 100

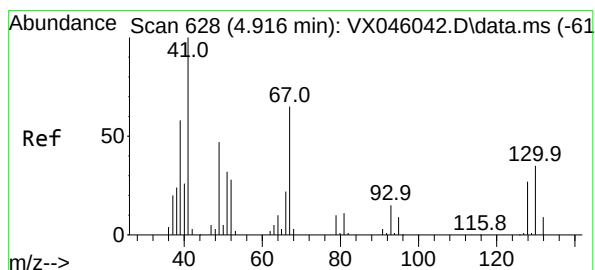
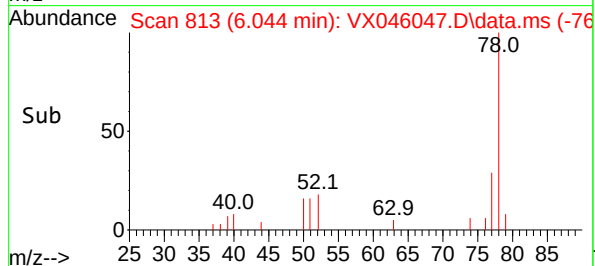
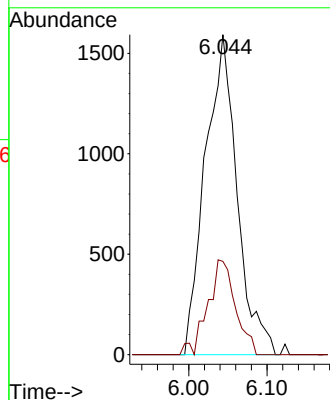
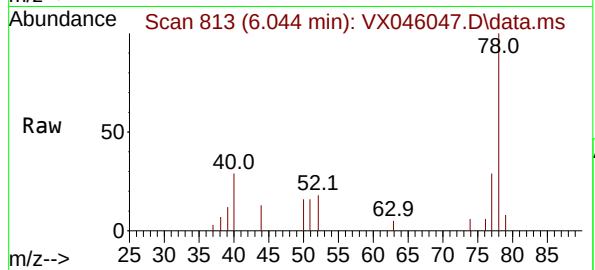
77 29.1 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#41

Methacrylonitrile

Concen: 0.513 ug/l

RT: 4.946 min Scan# 633

Delta R.T. 0.030 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 778

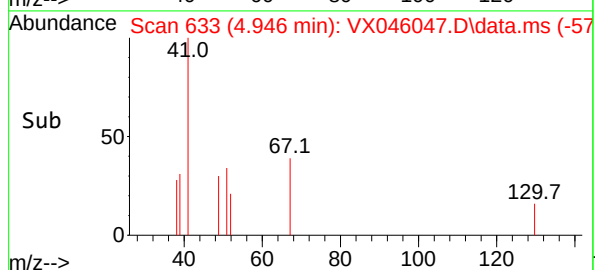
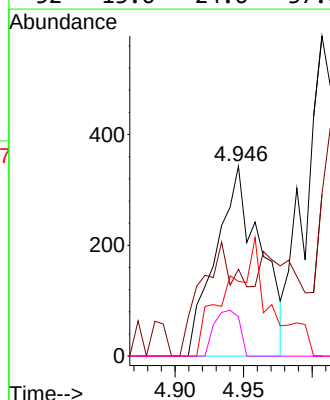
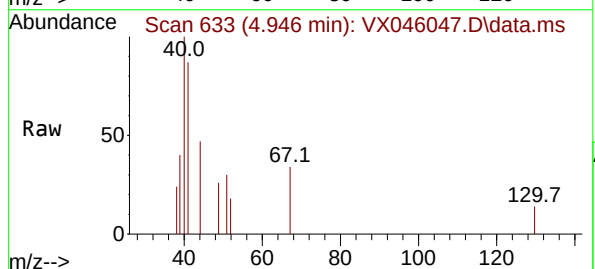
Ion Ratio Lower Upper

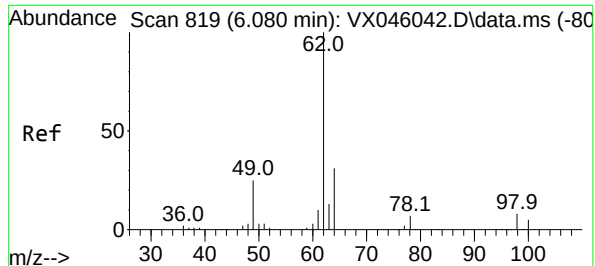
41 100

39 51.7 47.2 70.8

67 0.0 50.7 76.1#

52 13.6 24.6 37.0#





#42

1,2-Dichloroethane

Concen: 0.694 ug/l

RT: 6.092 min Scan# 819

Delta R.T. 0.012 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 1934

Ion Ratio Lower Upper

62 100

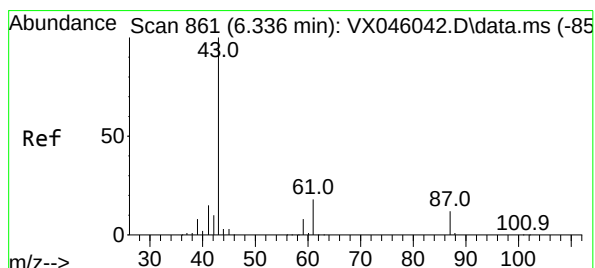
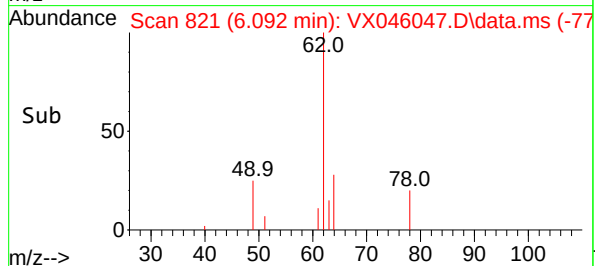
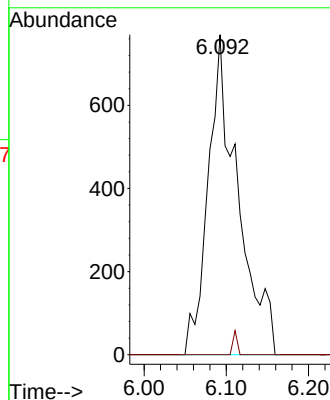
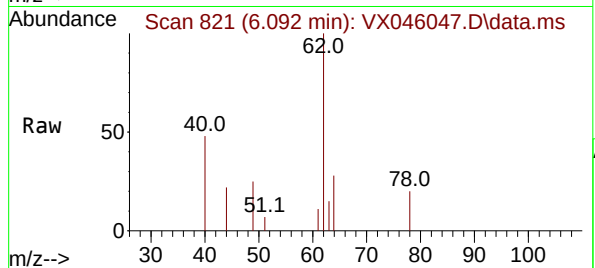
98 1.1 0.0 15.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#43

Isopropyl Acetate

Concen: 0.612 ug/l

RT: 6.354 min Scan# 864

Delta R.T. 0.018 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

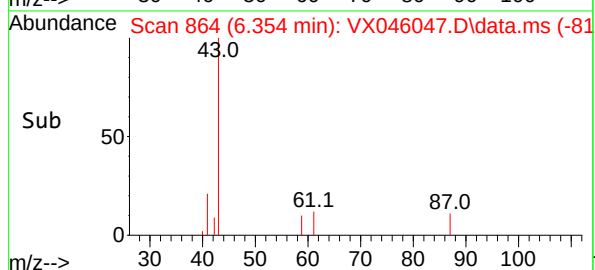
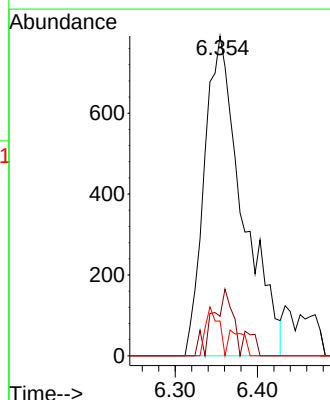
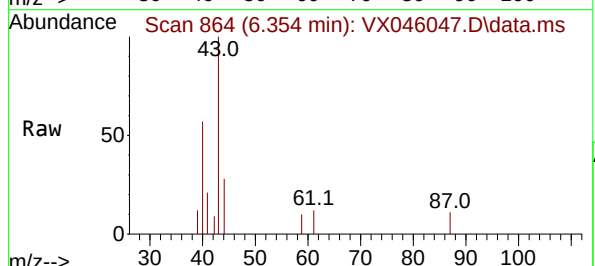
Tgt Ion: 43 Resp: 2553

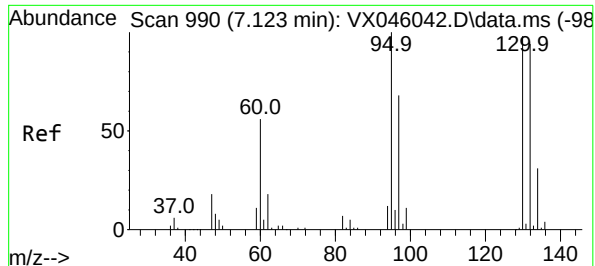
Ion Ratio Lower Upper

43 100

61 10.7 14.3 21.5#

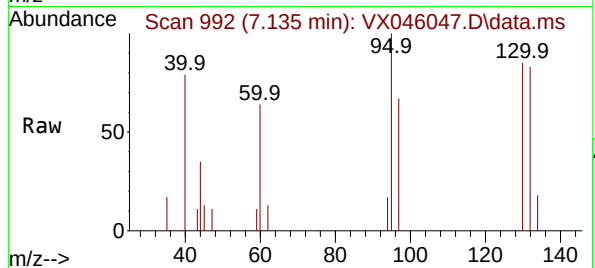
87 3.2 9.5 14.3#





#44
Trichloroethene
Concen: 0.680 ug/l
RT: 7.135 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

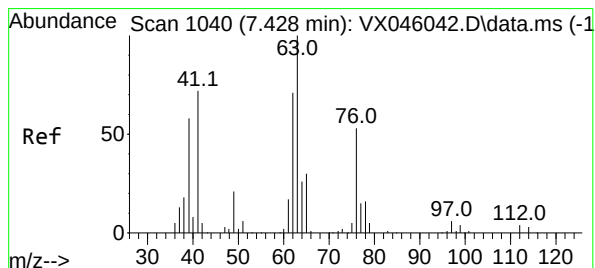
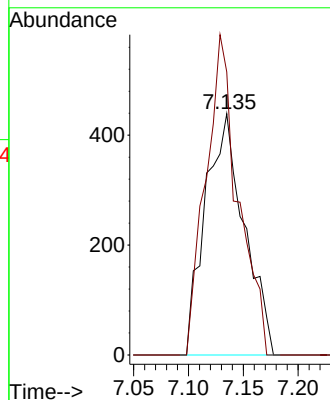
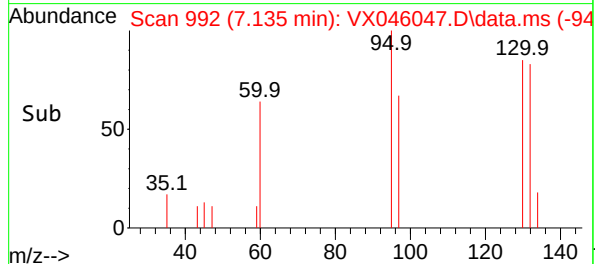
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



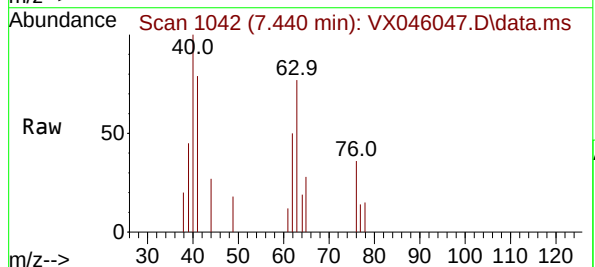
Tgt Ion:130 Resp: 1083
Ion Ratio Lower Upper
130 100
95 117.3 0.0 204.2

Manual Integrations
APPROVED

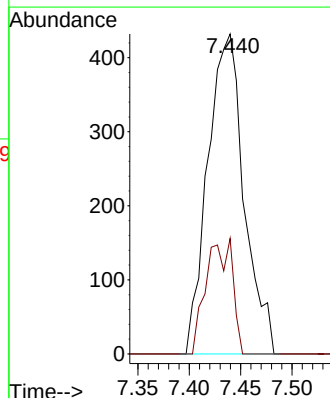
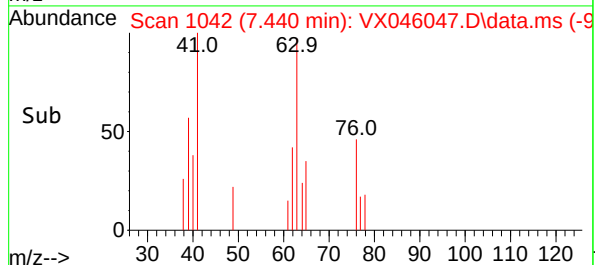
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

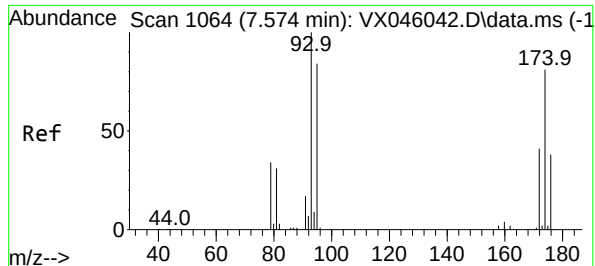


#45
1,2-Dichloropropane
Concen: 0.633 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27



Tgt Ion: 63 Resp: 1059
Ion Ratio Lower Upper
63 100
65 36.1 24.1 36.1





#46

Dibromomethane

Concen: 0.667 ug/l

RT: 7.586 min Scan# 1106

Delta R.T. 0.012 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

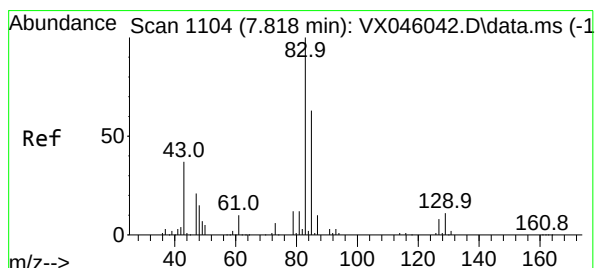
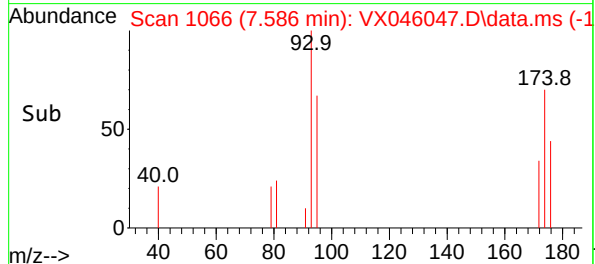
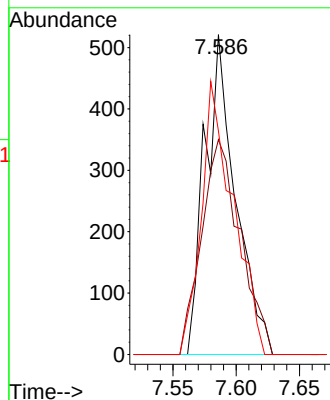
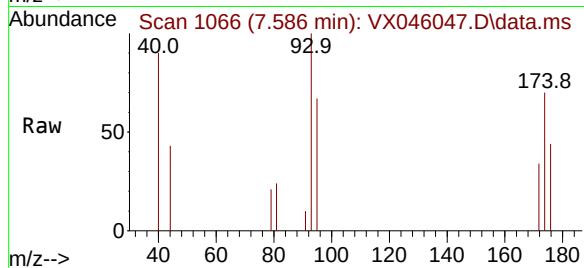
VSTDIC001

Tgt Ion: 93	Resp: 880
Ion Ratio	Lower Upper
93	100
95	84.5 65.6 98.4
174	88.5 68.2 102.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#47

Bromodichloromethane

Concen: 0.633 ug/l

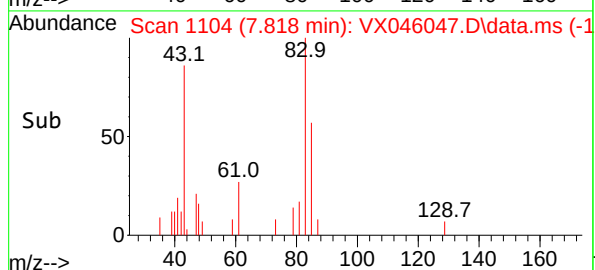
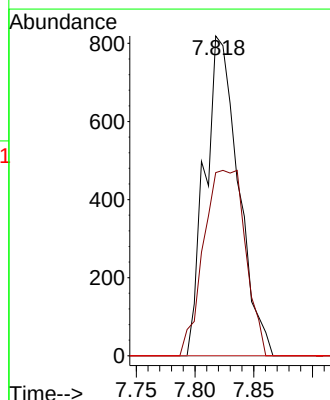
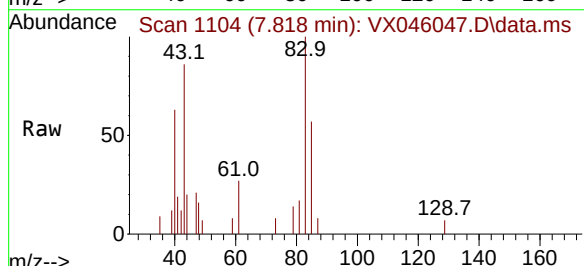
RT: 7.818 min Scan# 1104

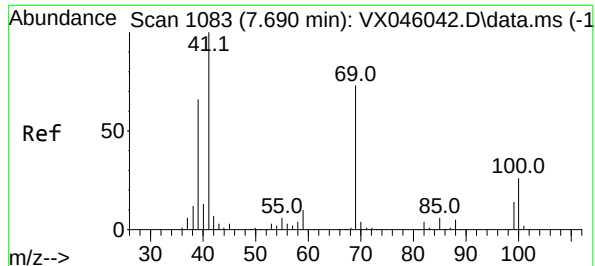
Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Tgt Ion: 83	Resp: 1620
Ion Ratio	Lower Upper
83	100
85	57.3 50.5 75.7
127	0.0 6.5 9.7





#48

Methyl methacrylate

Concen: 0.577 ug/l

RT: 7.714 min Scan# 1083

Delta R.T. 0.024 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

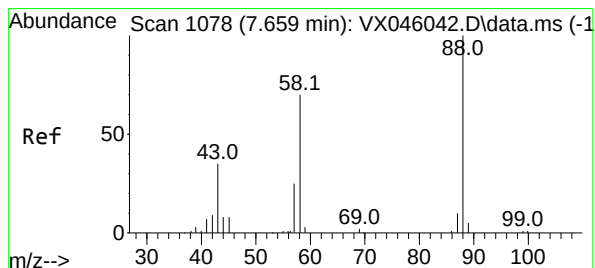
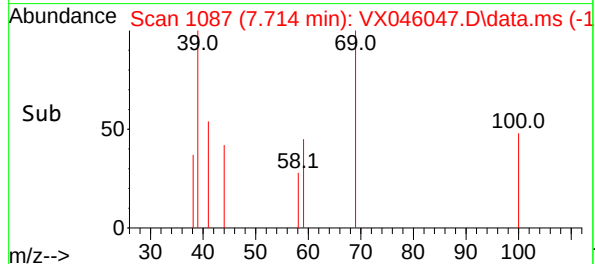
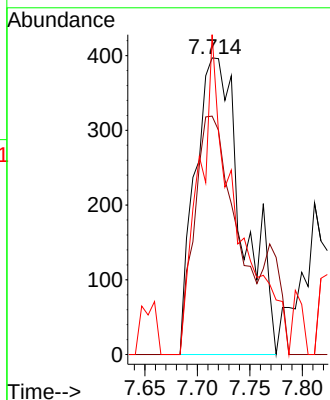
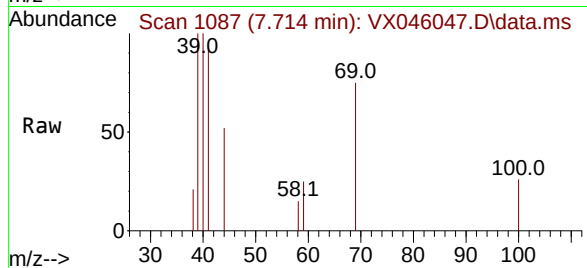
Tgt Ion: 41	Resp: 123
Ion Ratio	Lower Upper
41 100	
69 70.6	58.5 87.7
39 84.8	51.7 77.5

Manual Integrations

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#49

1,4-Dioxane

Concen: 11.703 ug/l

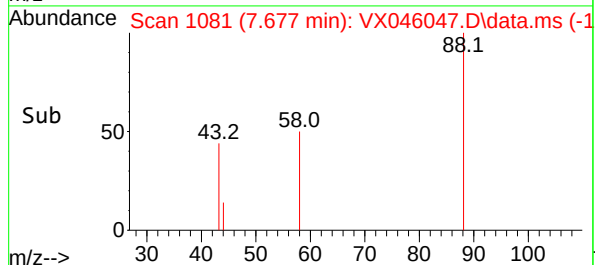
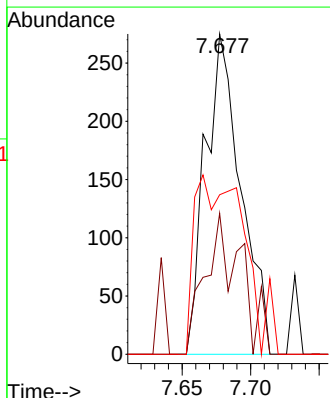
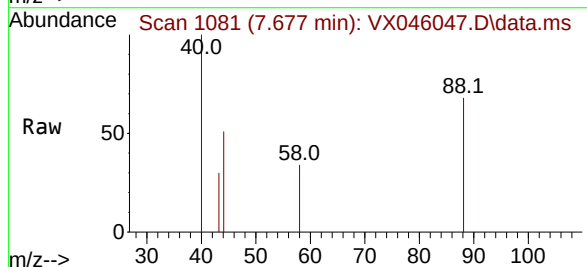
RT: 7.677 min Scan# 1081

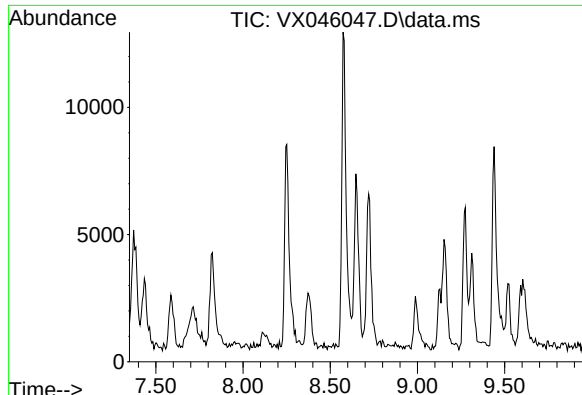
Delta R.T. 0.018 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Tgt Ion: 88	Resp: 498
Ion Ratio	Lower Upper
88 100	
43 44.4	33.4 50.2
58 30.3	58.6 88.0





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

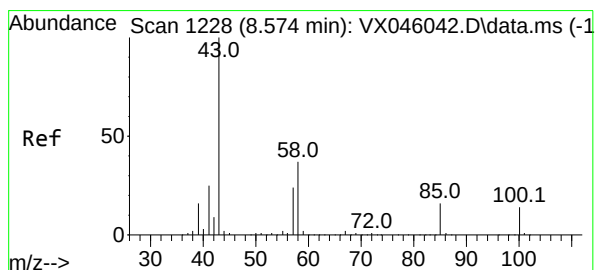
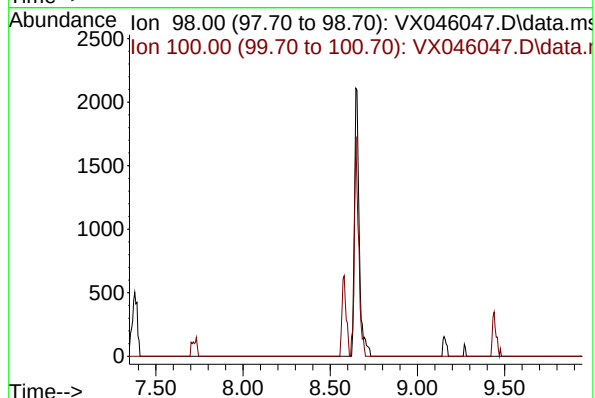
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.9

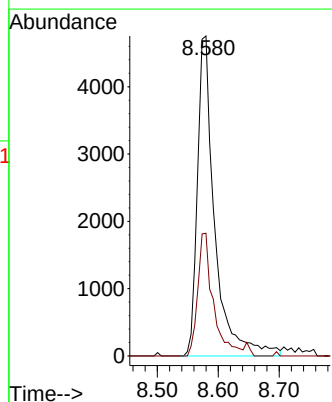
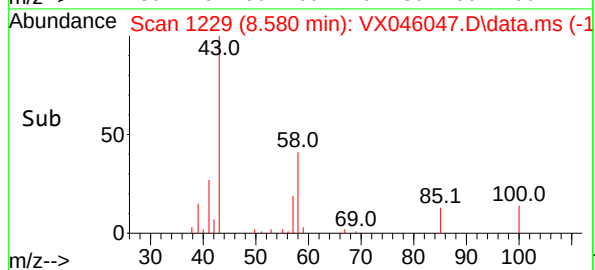
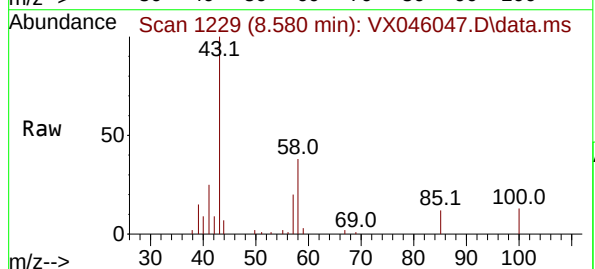
Manual Integrations
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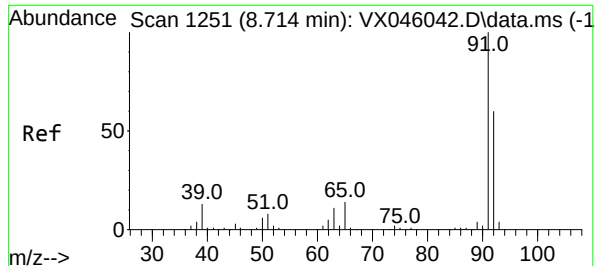
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#51
4-Methyl-2-Pentanone
Concen: 3.430 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

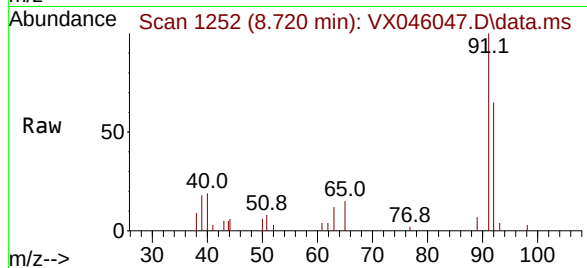
Tgt Ion: 43 Resp: 9378
Ion Ratio Lower Upper
43 100
58 34.4 28.9 43.3





#52
Toluene
Concen: 0.672 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

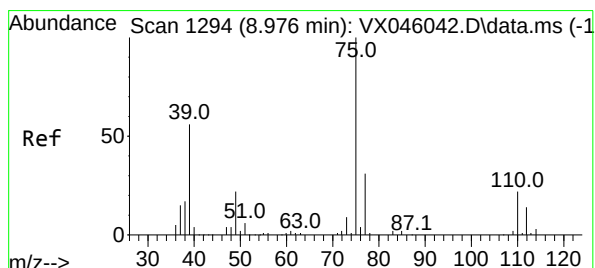
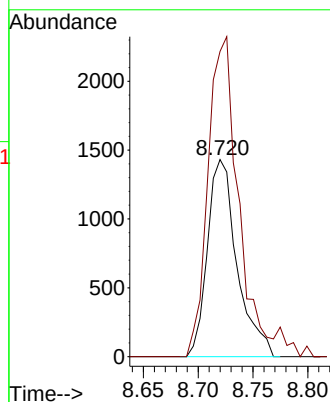
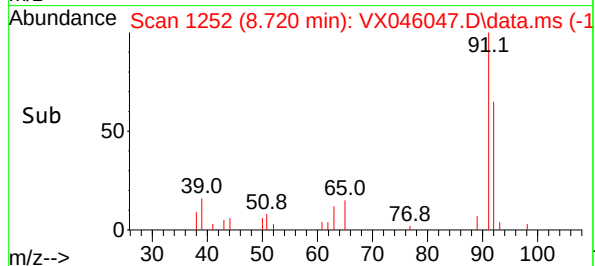
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 92 Resp: 2684
Ion Ratio Lower Upper
92 100
91 165.7 136.6 205.0

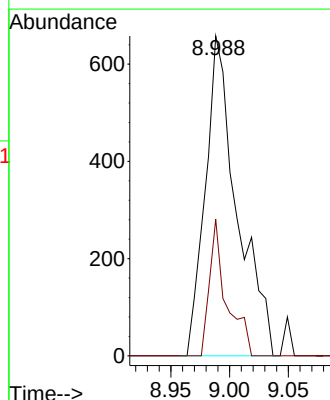
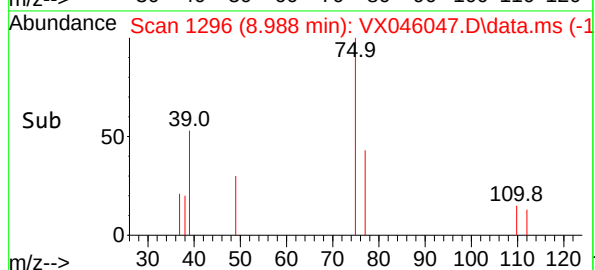
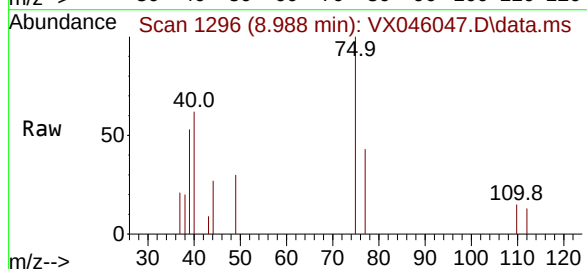
Manual Integrations
APPROVED

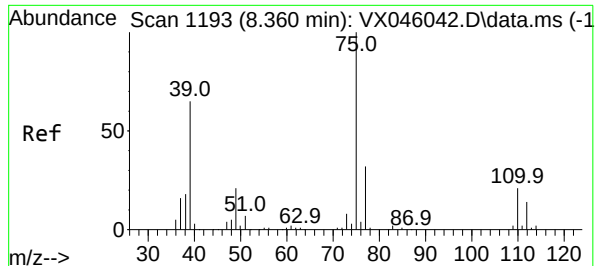
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#53
t-1,3-Dichloropropene
Concen: 0.576 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

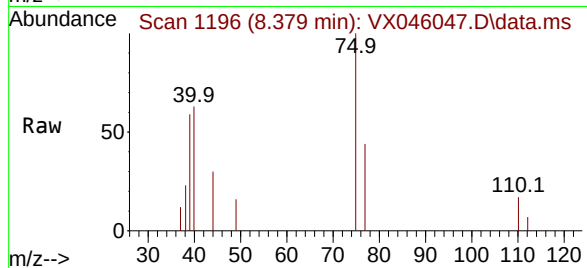
Tgt Ion: 75 Resp: 1238
Ion Ratio Lower Upper
75 100
77 42.7 25.0 37.6#





#54
cis-1,3-Dichloropropene
Concen: 0.564 ug/l
RT: 8.379 min Scan# 1196
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

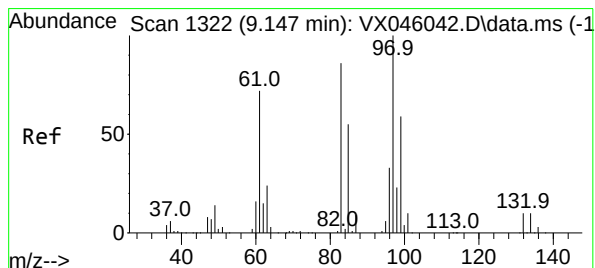
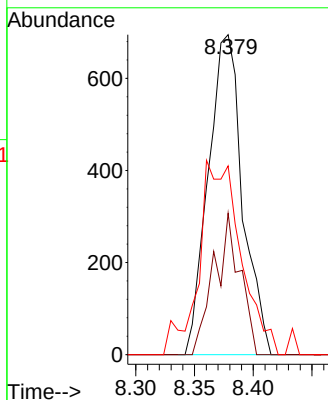
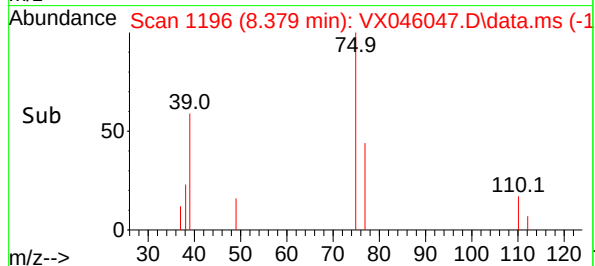
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 75 Resp: 1414
Ion Ratio Lower Upper
75 100
77 44.2 25.4 38.0
39 59.0 52.2 78.4

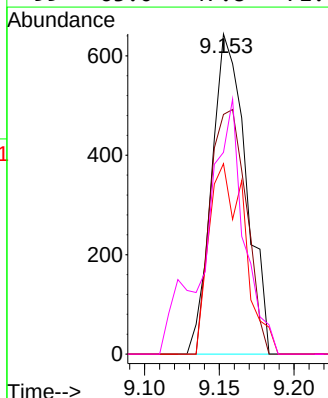
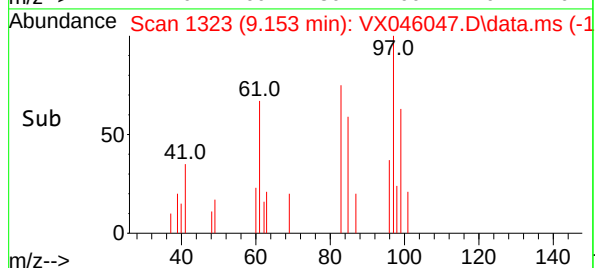
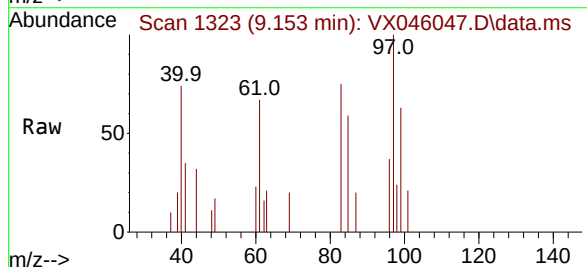
Manual Integrations
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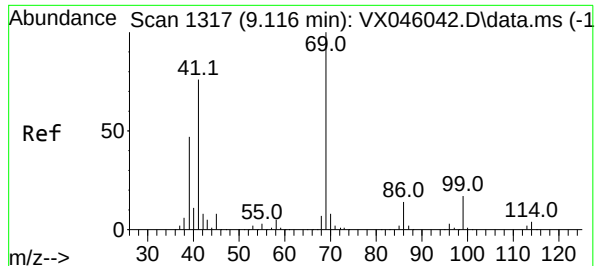
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#55
1,1,2-Trichloroethane
Concen: 0.637 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 97 Resp: 1029
Ion Ratio Lower Upper
97 100
83 74.8 69.0 103.6
85 59.5 44.3 66.5
99 63.0 47.8 71.6





#56

Ethyl methacrylate

Concen: 0.504 ug/l

RT: 9.128 min Scan# 1319

Delta R.T. 0.012 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 69 Resp: 1260

Ion Ratio Lower Upper

69 100

41 86.6 60.8 91.2

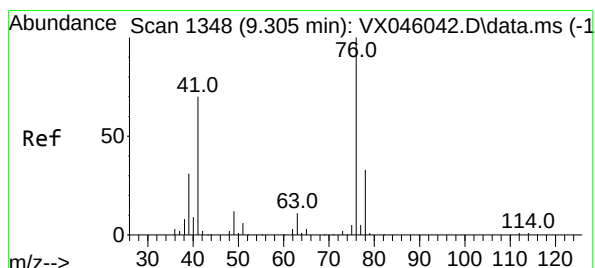
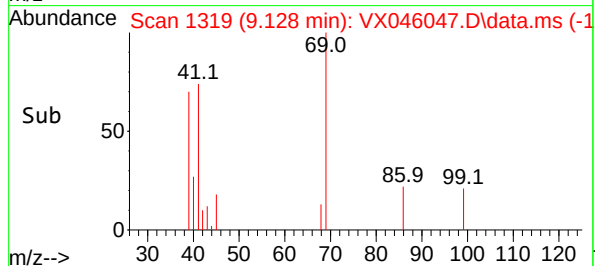
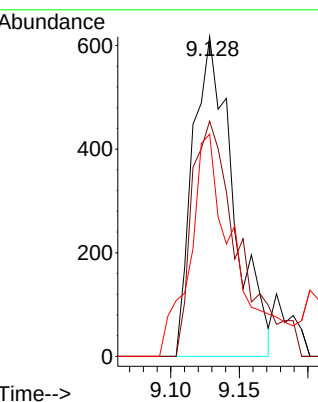
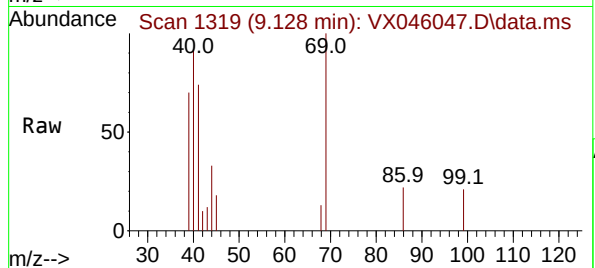
39 78.0 39.0 58.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#57

1,3-Dichloropropane

Concen: 0.711 ug/l

RT: 9.311 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VX046047.D

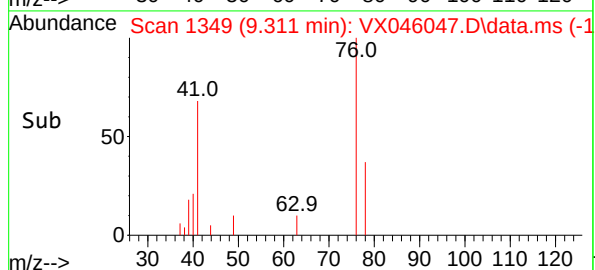
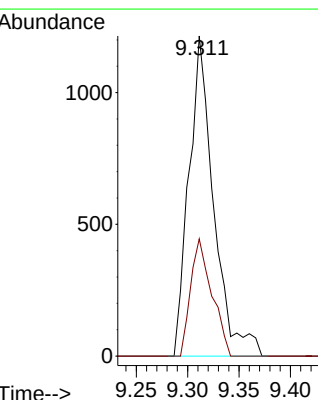
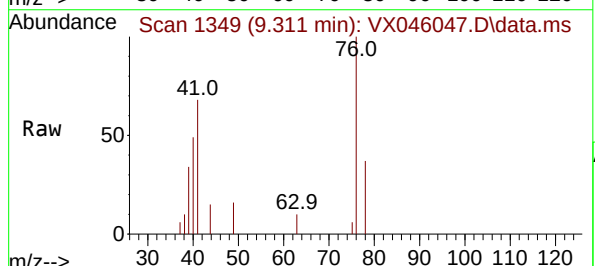
Acq: 05 May 2025 16:27

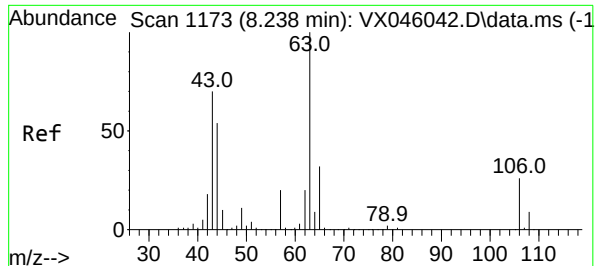
Tgt Ion: 76 Resp: 2036

Ion Ratio Lower Upper

76 100

78 31.4 26.3 39.5





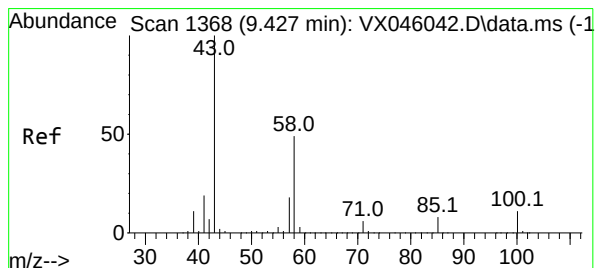
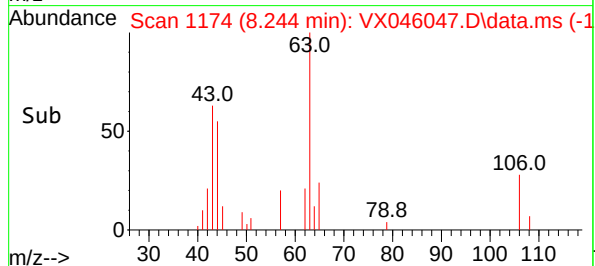
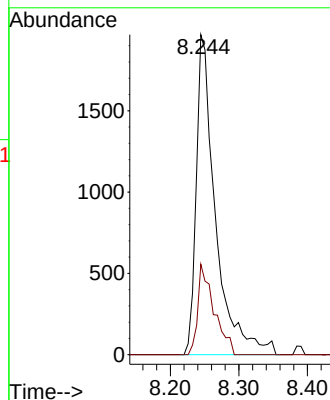
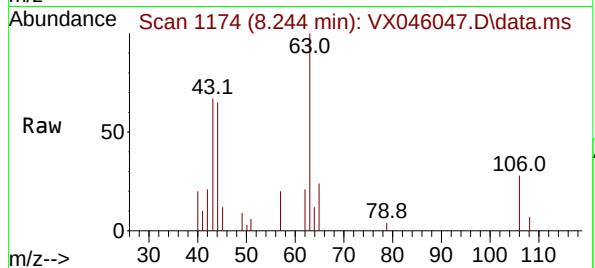
#58
2-Chloroethyl Vinyl ether
Concen: 3.420 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 3840
Ion Ratio Lower Upper
63 100
106 24.0 21.5 32.3

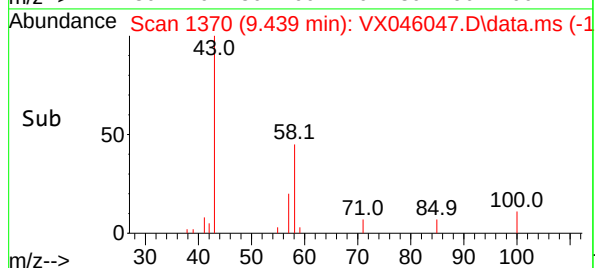
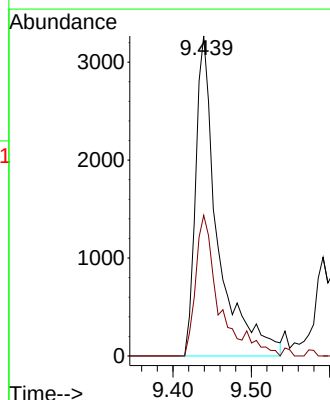
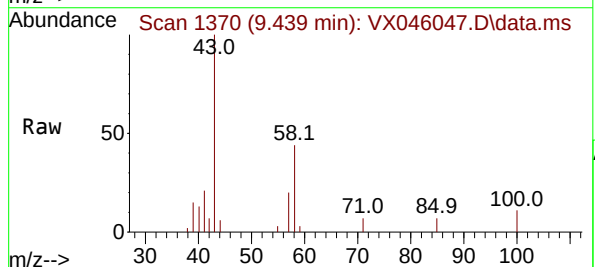
Manual Integrations
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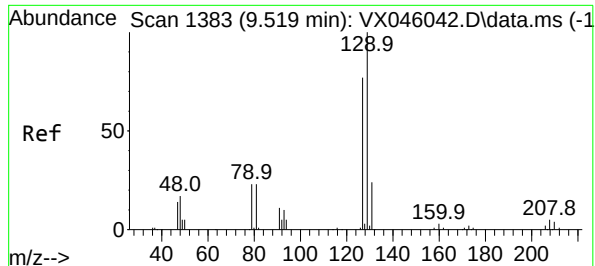
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#59
2-Hexanone
Concen: 3.096 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 6424
Ion Ratio Lower Upper
43 100
58 41.6 24.9 74.6





#60

Dibromochloromethane

Concen: 0.582 ug/l

RT: 9.525 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:129 Resp: 102

Ion Ratio Lower Upper

129 100

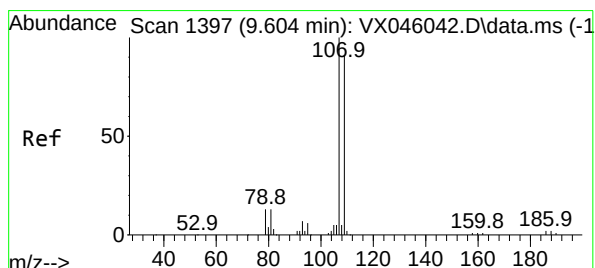
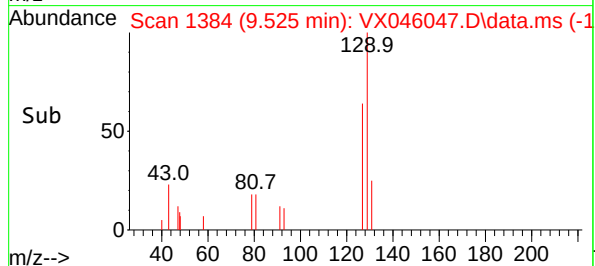
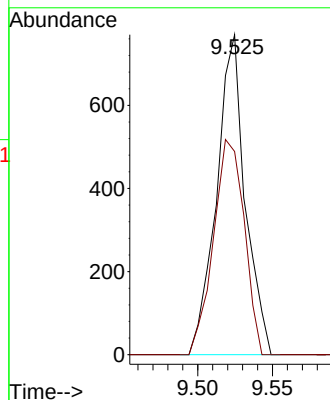
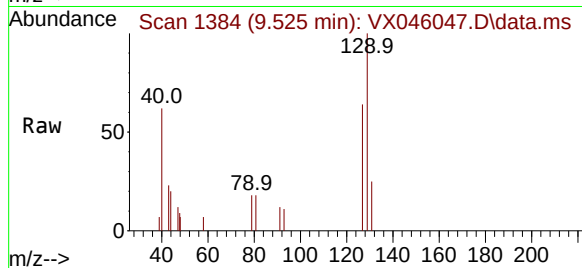
127 72.5 39.3 117.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#61

1,2-Dibromoethane

Concen: 0.650 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX046047.D

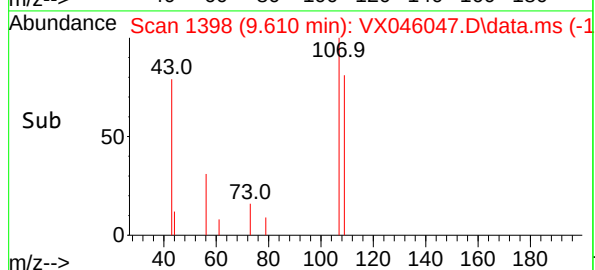
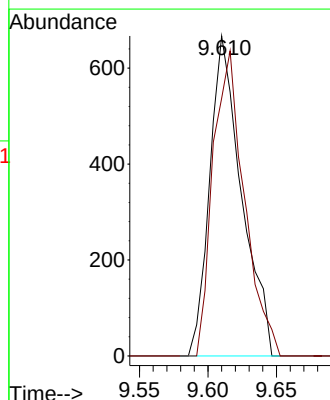
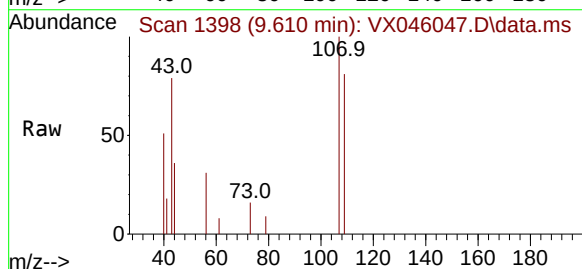
Acq: 05 May 2025 16:27

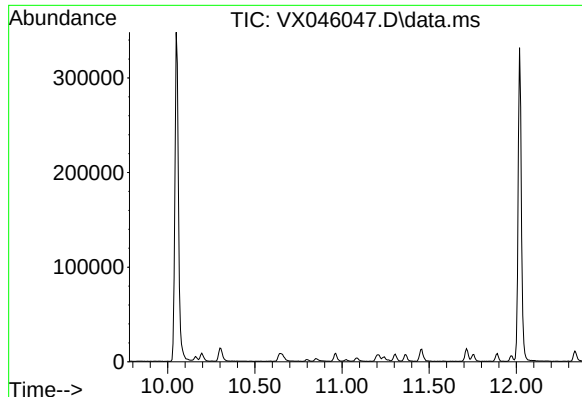
Tgt Ion:107 Resp: 1077

Ion Ratio Lower Upper

107 100

109 94.0 73.3 109.9





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

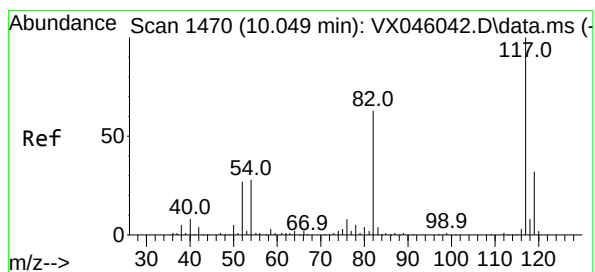
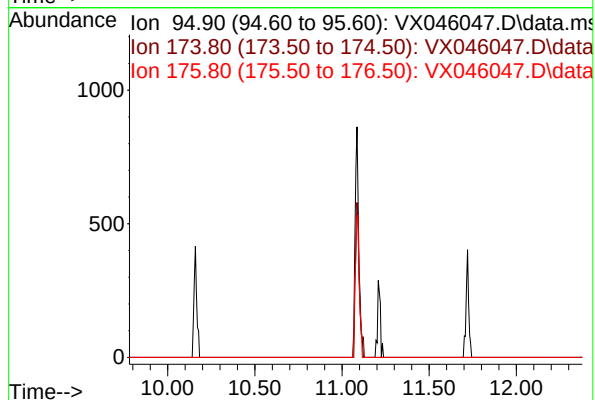
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 95
Sig Exp Ratio
95 100
174 67.9
176 65.7

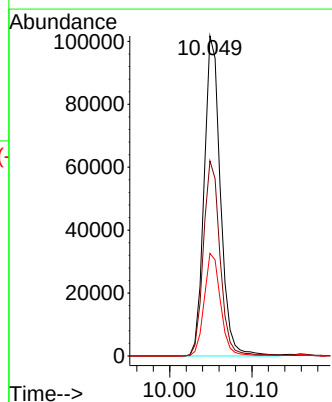
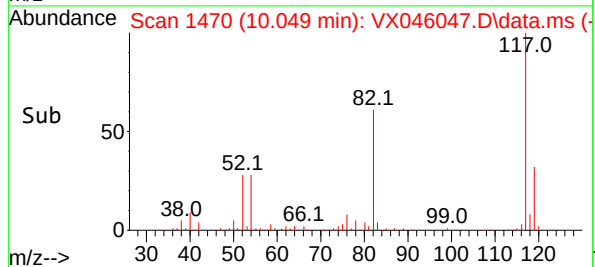
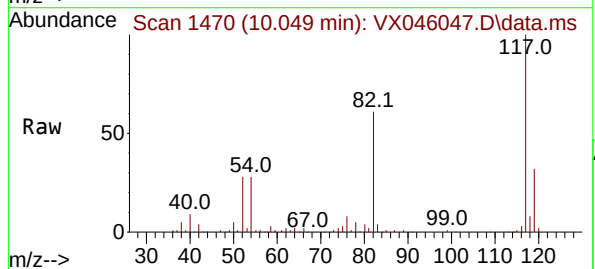
Manual Integrations
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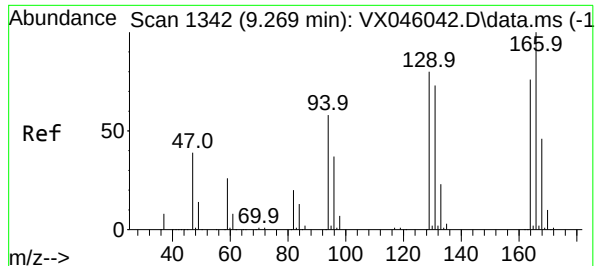
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

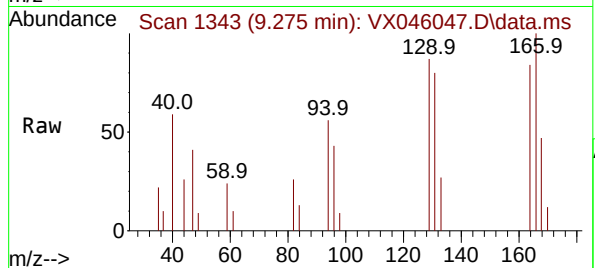
Tgt Ion:117 Resp: 140108
Ion Ratio Lower Upper
117 100
82 61.0 50.6 76.0
119 32.1 25.8 38.6





#64
Tetrachloroethene
Concen: 0.679 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

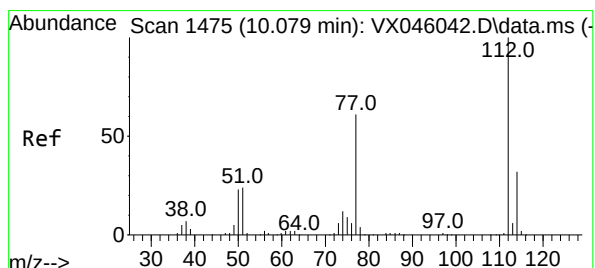
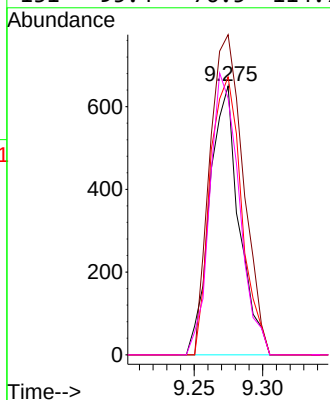
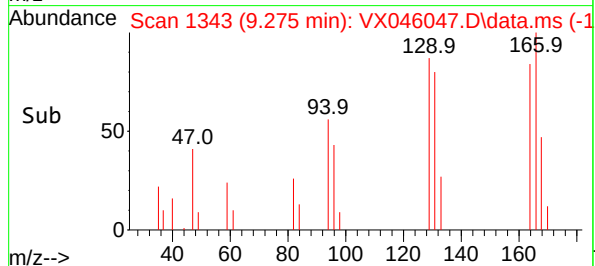
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:164 Resp: 972
Ion Ratio Lower Upper
164 100
166 119.1 105.0 157.6
129 103.4 83.5 125.3
131 95.4 76.5 114.7

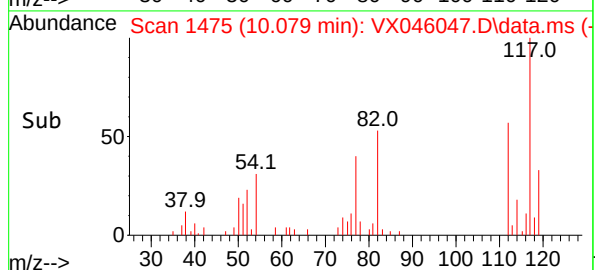
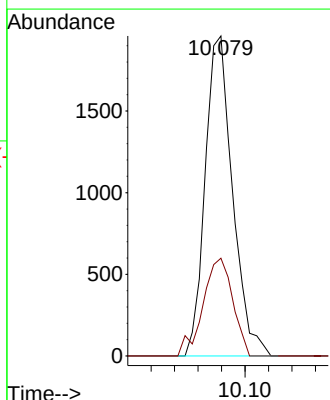
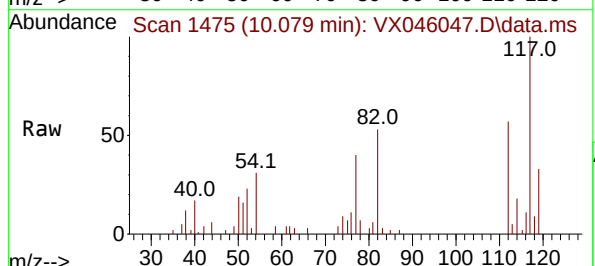
Manual Integrations
APPROVED

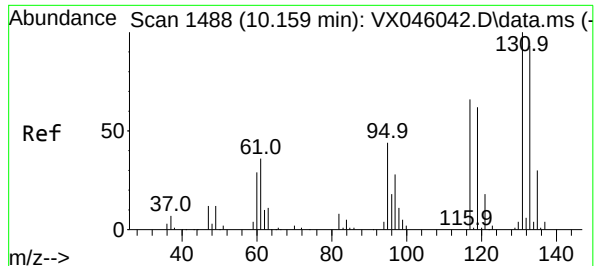
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#65
Chlorobenzene
Concen: 0.735 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

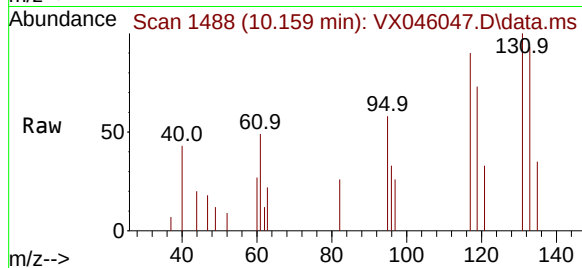
Tgt Ion:112 Resp: 3170
Ion Ratio Lower Upper
112 100
114 30.6 25.4 38.2





#66
1,1,1,2-Tetrachloroethane
Concen: 0.720 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

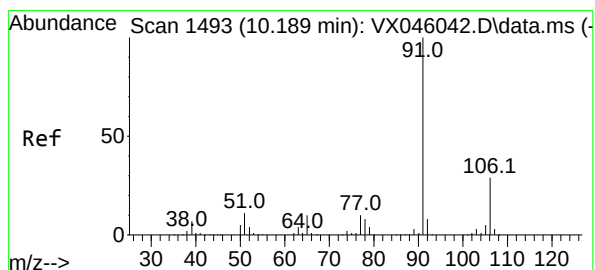
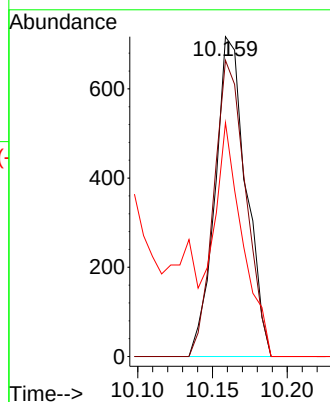
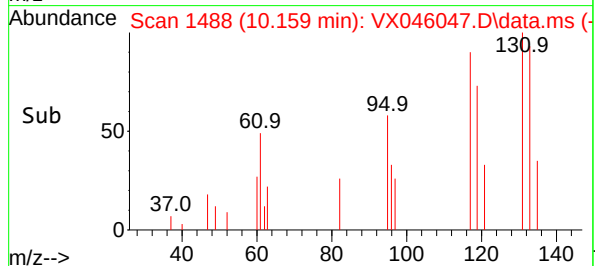
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:131 Resp: 1035
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.9
119 0.0 31.6 95.0

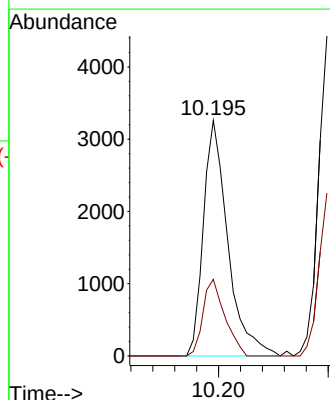
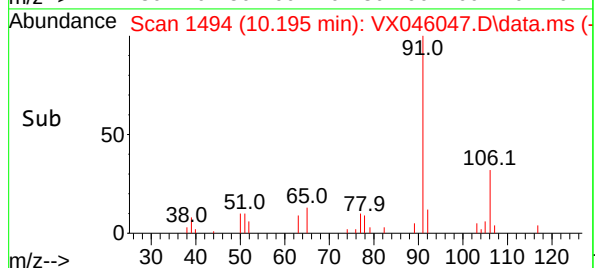
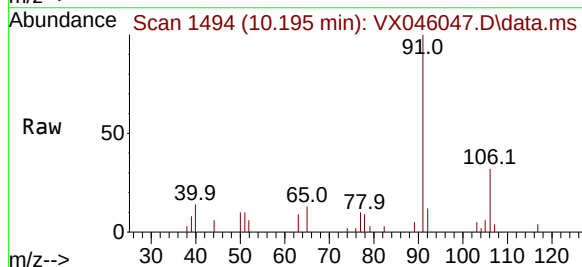
Manual Integrations
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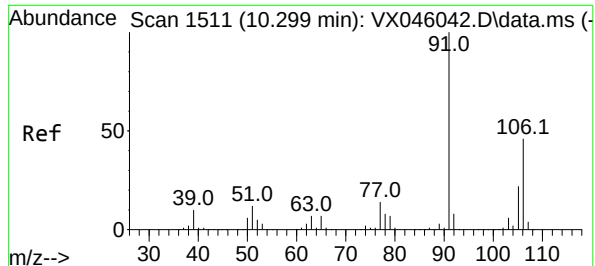
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#67
Ethyl Benzene
Concen: 0.687 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 5052
Ion Ratio Lower Upper
91 100
106 32.5 23.4 35.2





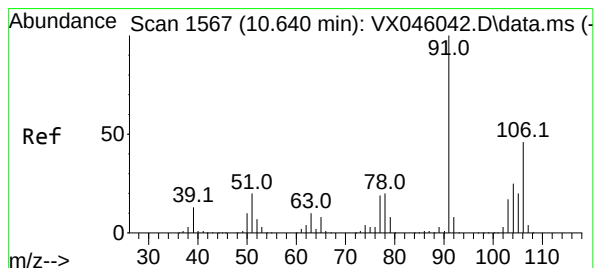
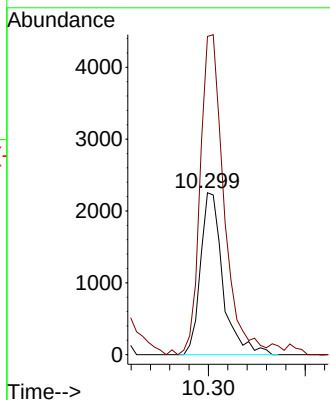
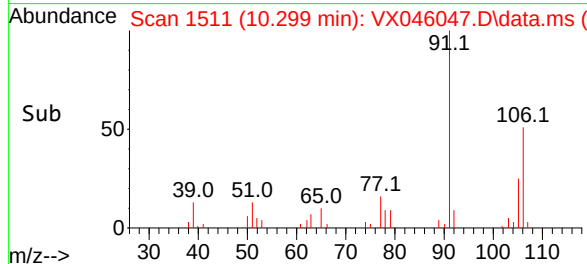
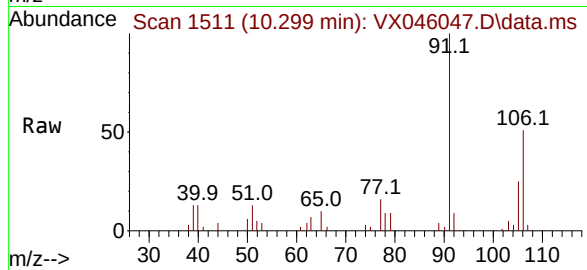
#68
m/p-Xylenes
Concen: 1.367 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 3630
Ion Ratio Lower Upper
106 100
91 209.8 171.2 256.8

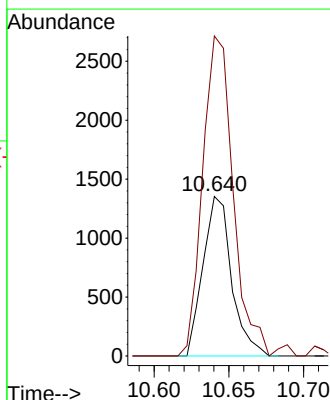
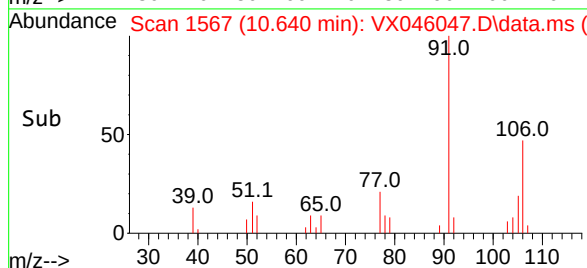
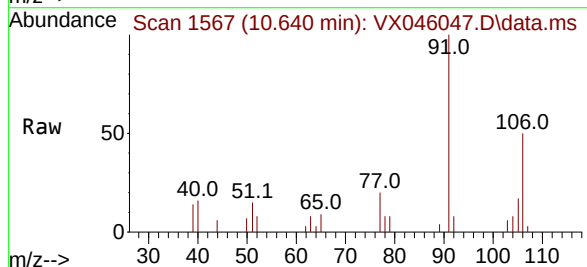
Manual Integrations
APPROVED

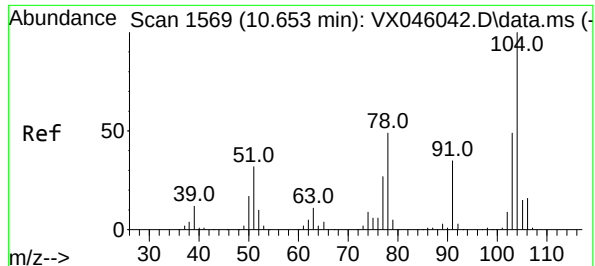
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#69
o-Xylene
Concen: 0.672 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

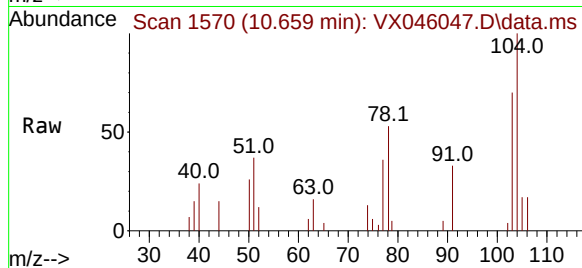
Tgt Ion:106 Resp: 1799
Ion Ratio Lower Upper
106 100
91 214.9 112.7 338.1





#70
Styrene
Concen: 0.622 ug/l
RT: 10.659 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

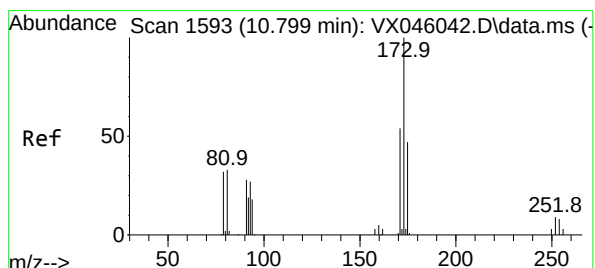
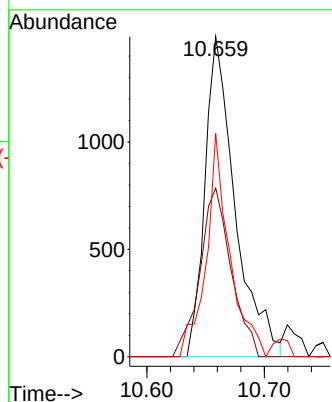
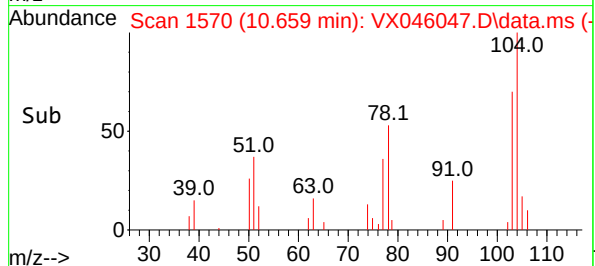
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:104 Resp: 2664
Ion Ratio Lower Upper
104 100
78 54.3 45.7 68.5
103 53.9 43.7 65.5

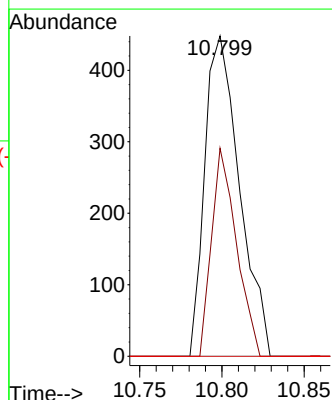
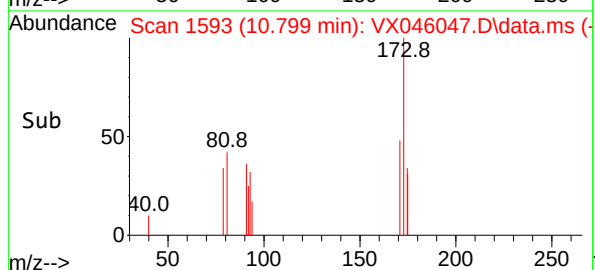
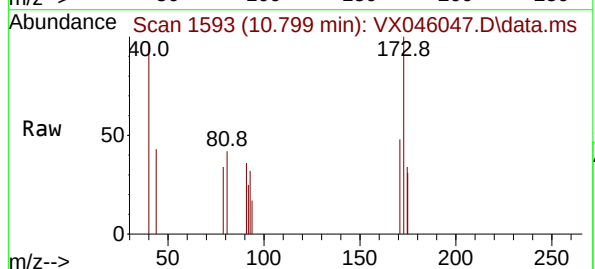
Manual Integrations
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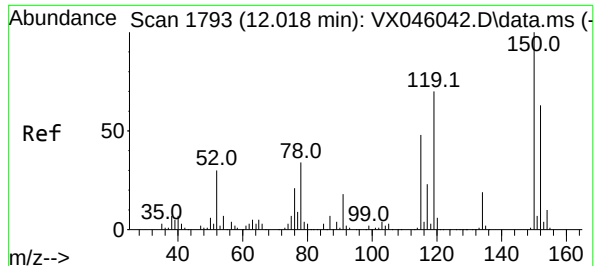
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#71
Bromoform
Concen: 0.608 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:173 Resp: 657
Ion Ratio Lower Upper
173 100
175 46.6 23.4 70.0
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:152 Resp: 5912

Ion Ratio Lower Upper

152 100

115 66.6 46.9 140.7

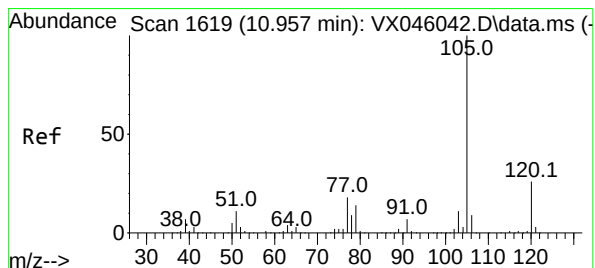
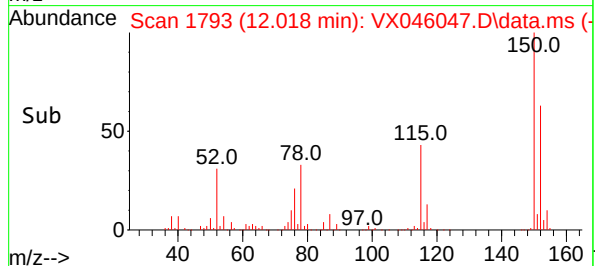
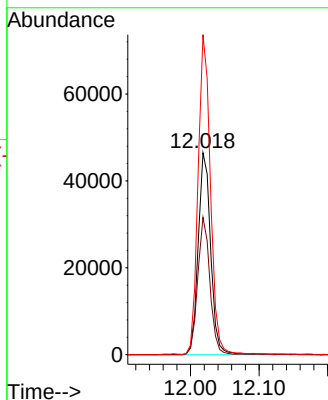
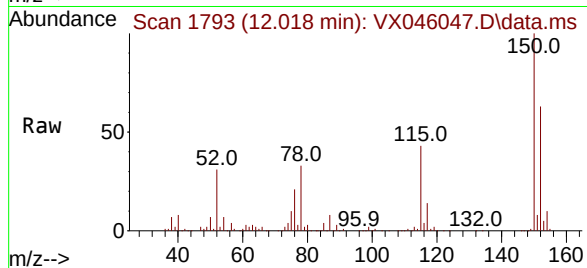
150 156.3 0.0 351.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#73

Isopropylbenzene

Concen: 0.695 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX046047.D

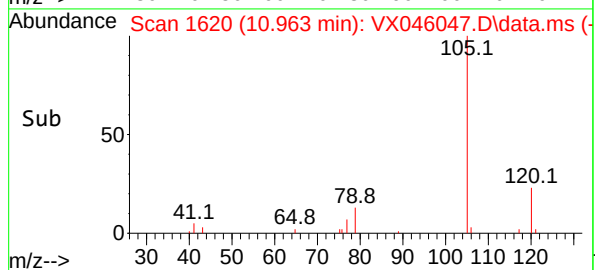
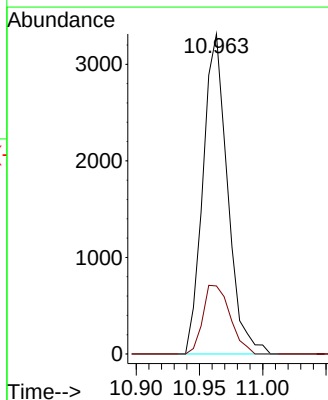
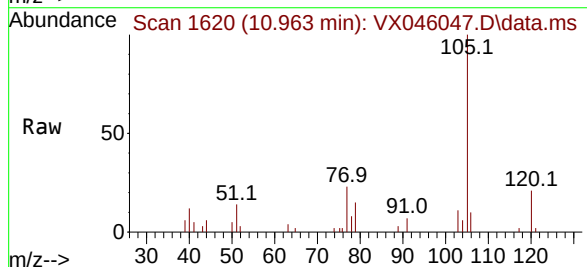
Acq: 05 May 2025 16:27

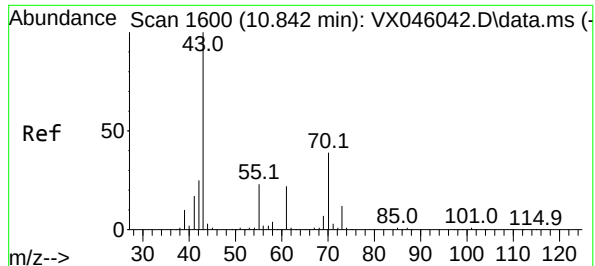
Tgt Ion:105 Resp: 4480

Ion Ratio Lower Upper

105 100

120 23.7 12.8 38.4





#74

N-amy1 acetate

Concen: 0.631 ug/l

RT: 10.854 min Scan# 1602

Delta R.T. 0.012 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

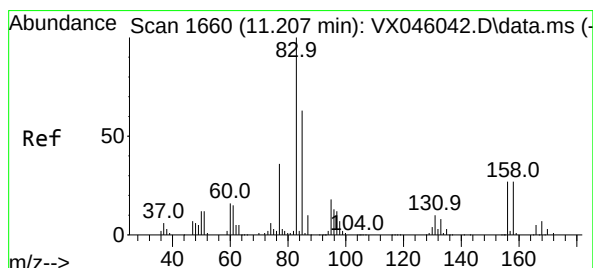
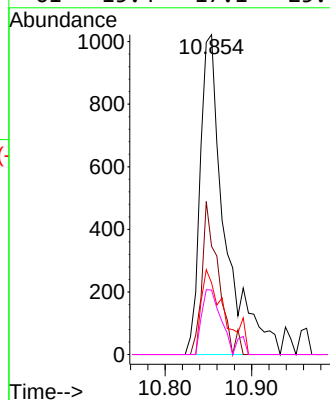
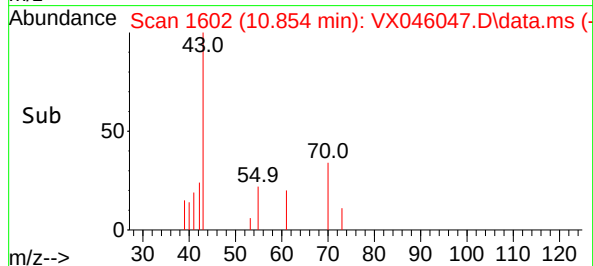
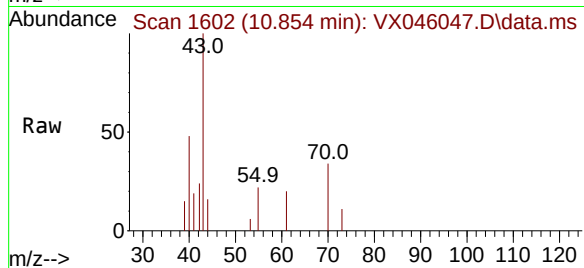
Tgt Ion: 43	Resp: 2028
Ion Ratio	Lower Upper
43 100	
70 31.5	30.9 46.3
55 24.5	18.7 28.1
61 15.4	17.1 25.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#75

1,1,2,2-Tetrachloroethane

Concen: 0.800 ug/l

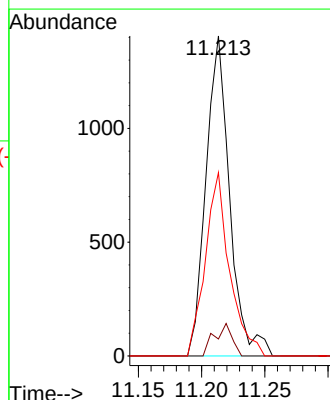
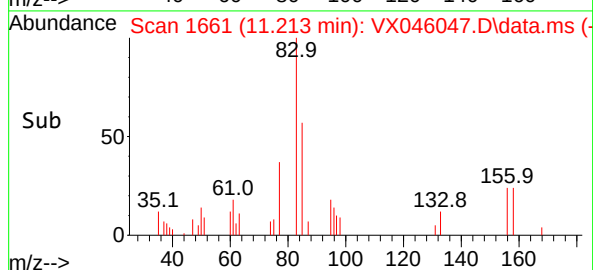
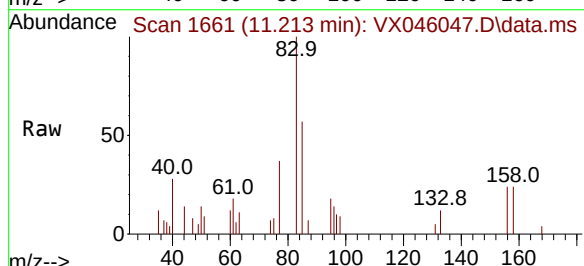
RT: 11.213 min Scan# 1661

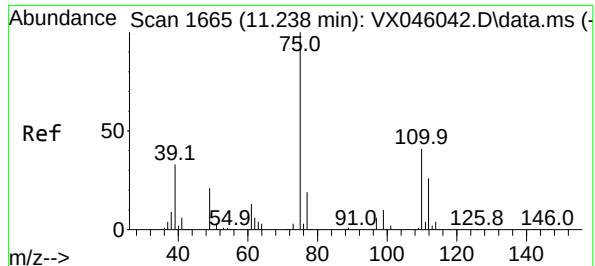
Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Tgt Ion: 83	Resp: 1835
Ion Ratio	Lower Upper
83 100	
131 7.5	5.0 14.9
85 58.7	31.9 95.7





#76

1,2,3-Trichloropropane

Concen: 0.674 ug/l m

RT: 11.244 min Scan# 1666

Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 166

Ion Ratio Lower Upper

75 100

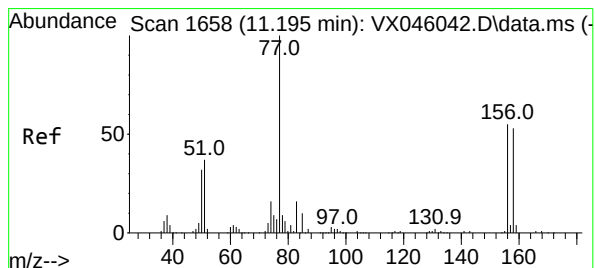
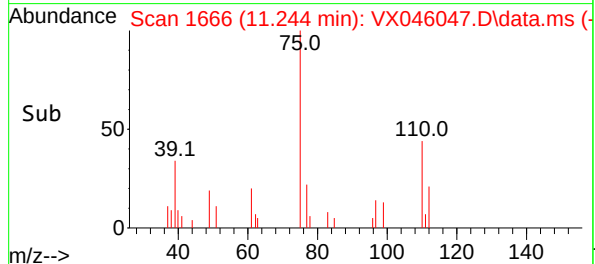
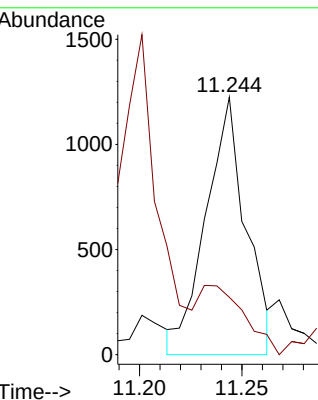
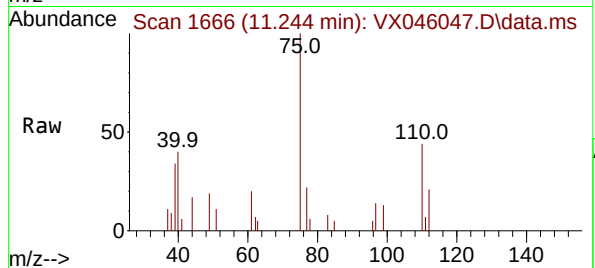
77 29.7 20.5 61.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#77

Bromobenzene

Concen: 0.734 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

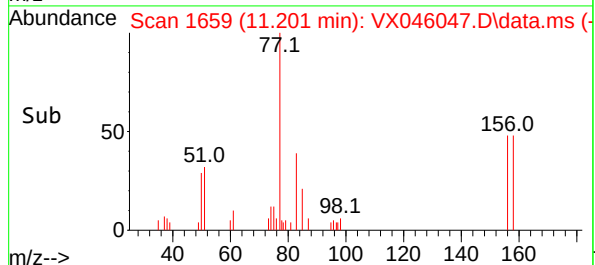
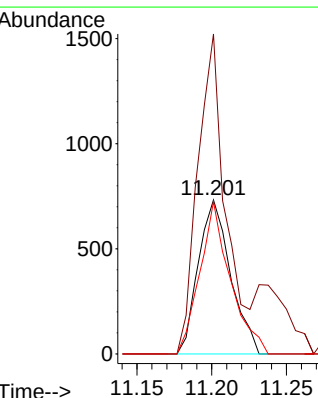
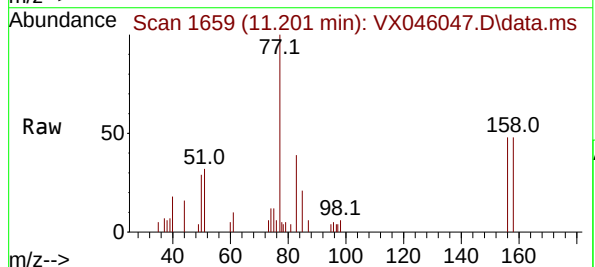
Tgt Ion:156 Resp: 1095

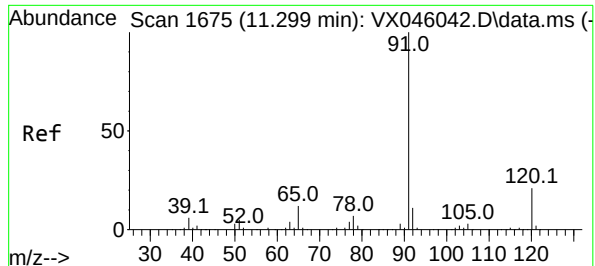
Ion Ratio Lower Upper

156 100

77 179.5 92.8 278.3

158 93.5 48.8 146.3





#78

n-propylbenzene

Concen: 0.699 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 5052

Ion Ratio Lower Upper

91 100

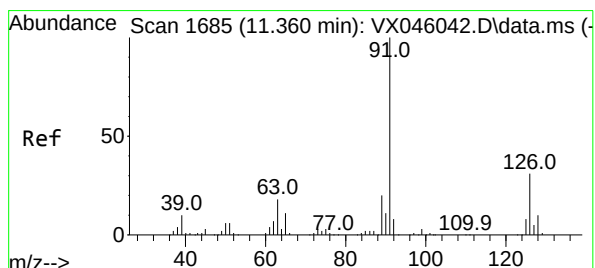
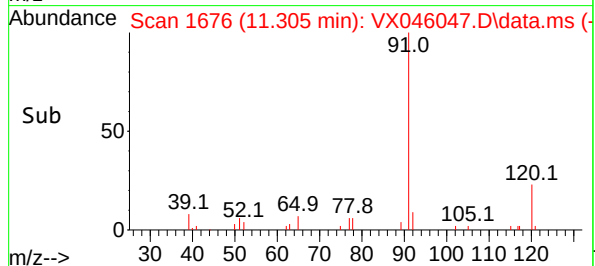
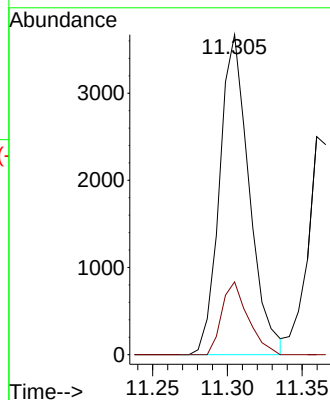
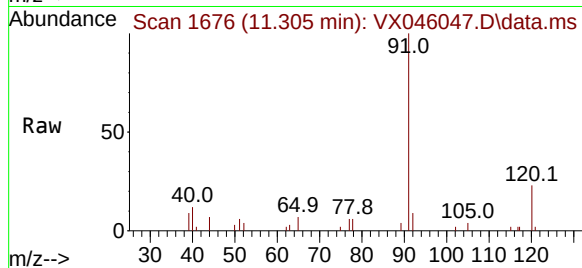
120 20.1 10.8 32.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#79

2-Chlorotoluene

Concen: 0.773 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX046047.D

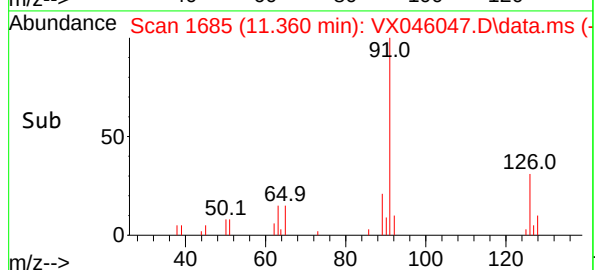
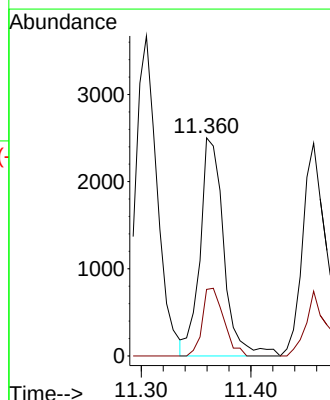
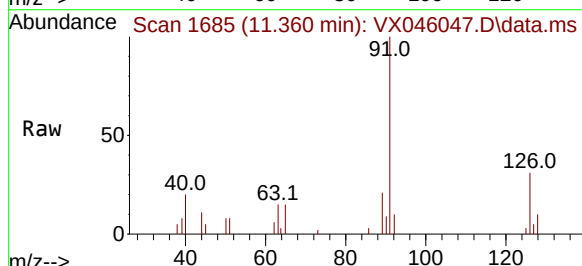
Acq: 05 May 2025 16:27

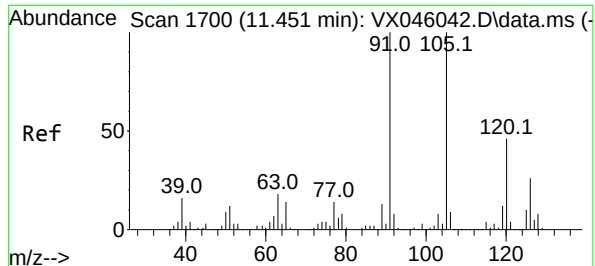
Tgt Ion: 91 Resp: 3765

Ion Ratio Lower Upper

91 100

126 28.0 15.6 46.7





#80

1,3,5-Trimethylbenzene

Concen: 0.671 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 3590

Ion Ratio Lower Upper

105 100

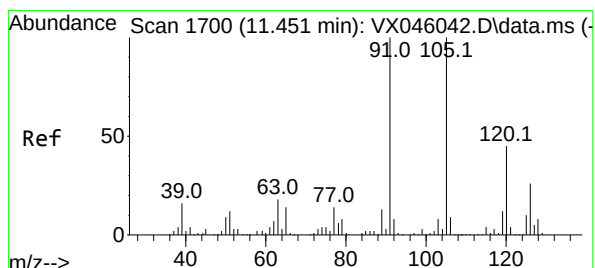
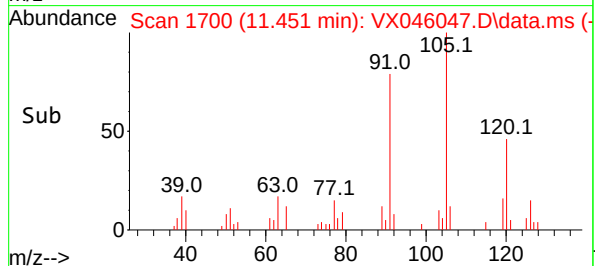
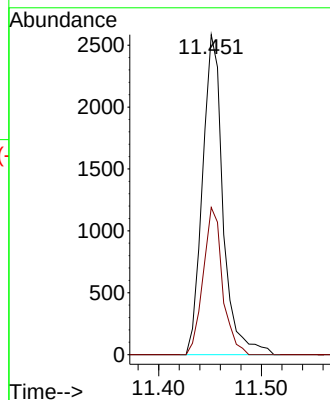
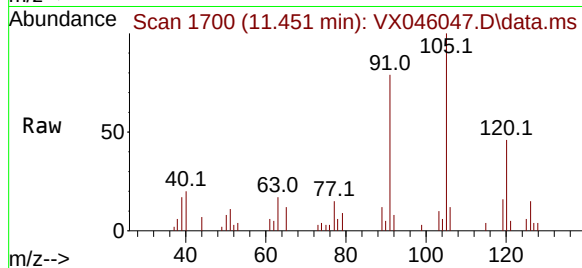
120 43.4 23.1 69.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#82

4-Chlorotoluene

Concen: 0.713 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX046047.D

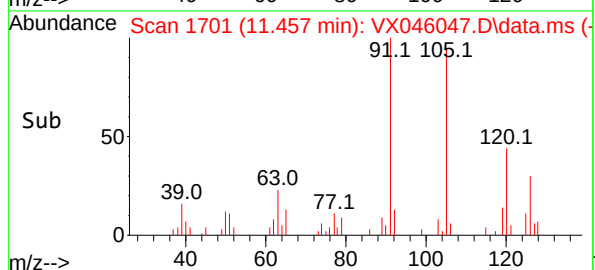
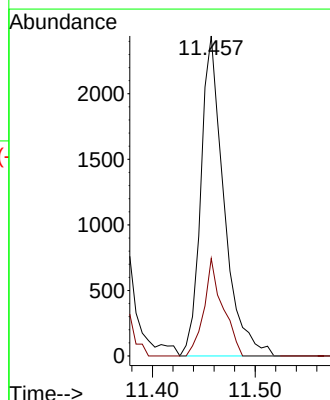
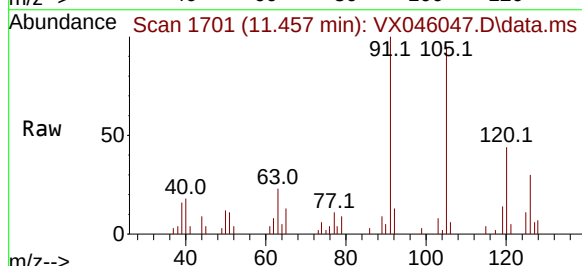
Acq: 05 May 2025 16:27

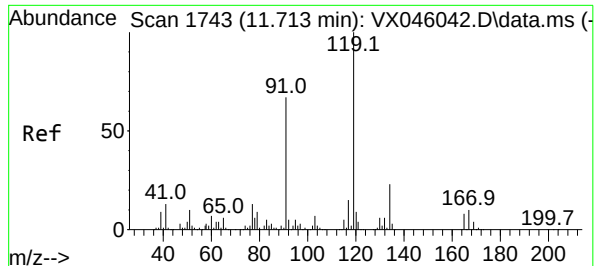
Tgt Ion: 91 Resp: 3815

Ion Ratio Lower Upper

91 100

126 24.8 13.3 39.8





#83

tert-Butylbenzene

Concen: 0.751 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

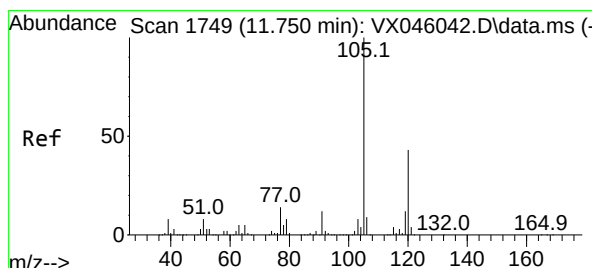
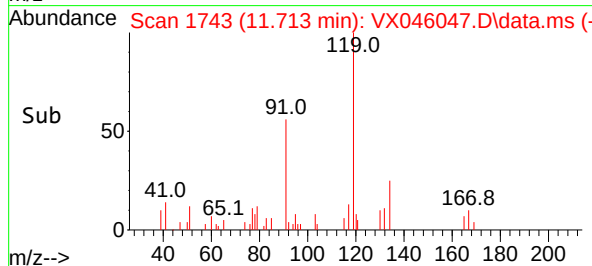
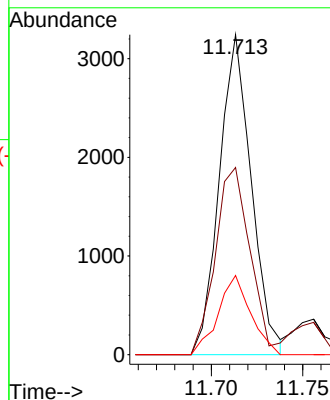
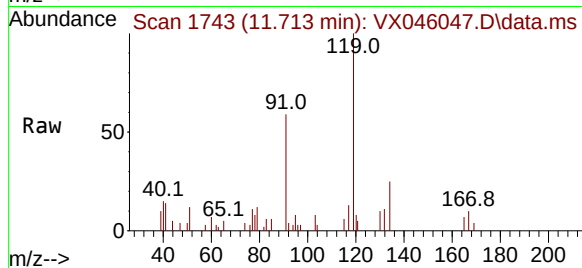
Tgt Ion:	119	Resp:	395
Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.9	98.7
134	25.2	11.4	34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#84

1,2,4-Trimethylbenzene

Concen: 0.697 ug/l

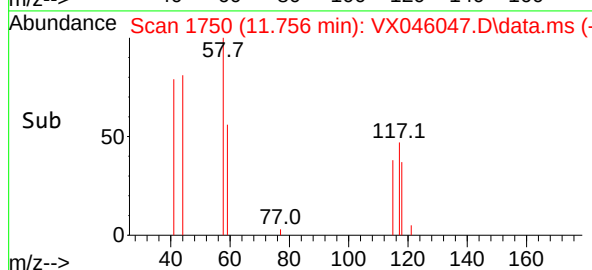
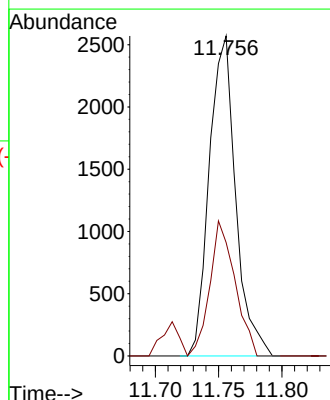
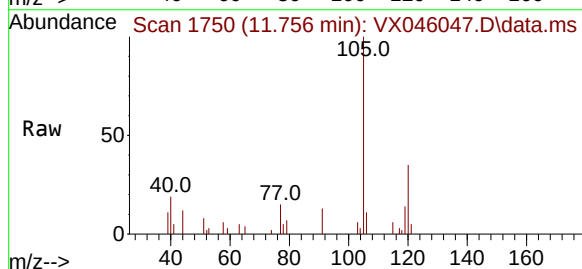
RT: 11.756 min Scan# 1750

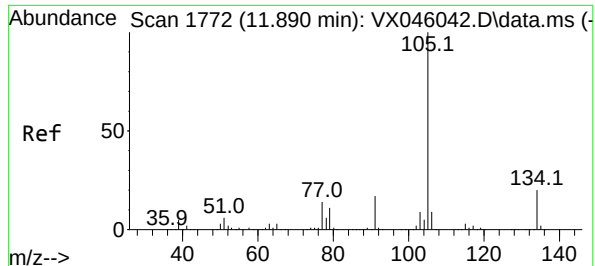
Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

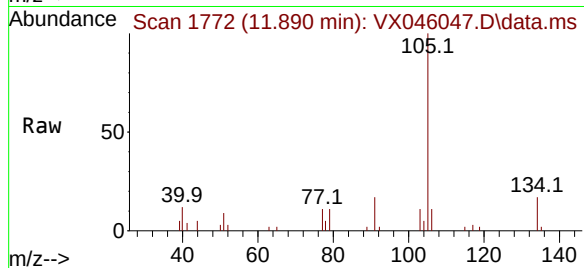
Tgt Ion:	105	Resp:	3725
Ion	Ratio	Lower	Upper
105	100		
120	40.3	21.2	63.6





#85
sec-Butylbenzene
Concen: 0.672 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

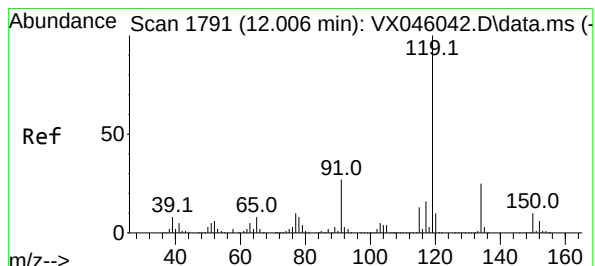
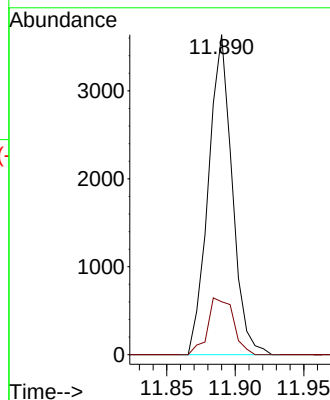
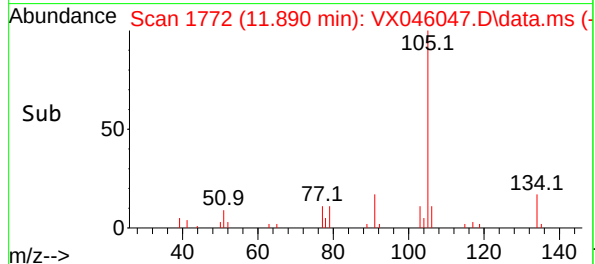
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:105 Resp: 438
Ion Ratio Lower Upper
105 100
134 19.2 9.7 29.1

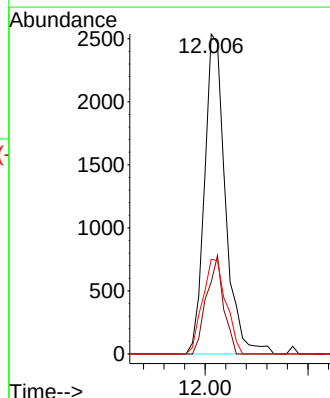
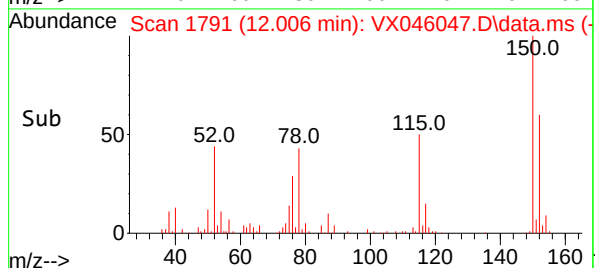
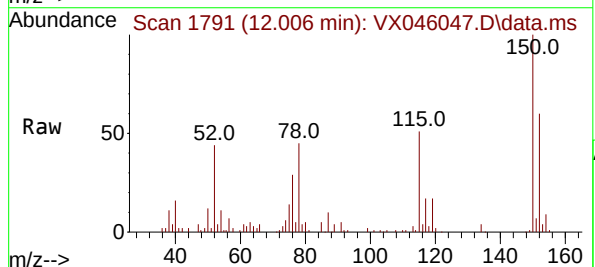
Manual Integrations
APPROVED

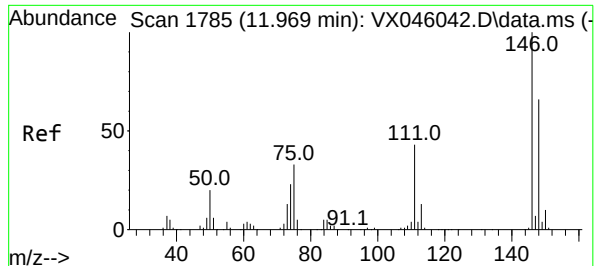
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#86
p-Isopropyltoluene
Concen: 0.679 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:119 Resp: 3577
Ion Ratio Lower Upper
119 100
134 25.0 12.5 37.5
91 33.1 13.8 41.4





#87

1,3-Dichlorobenzene

Concen: 0.689 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

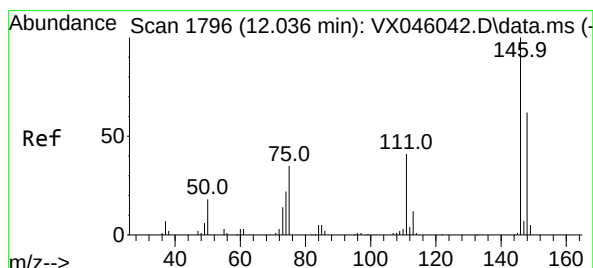
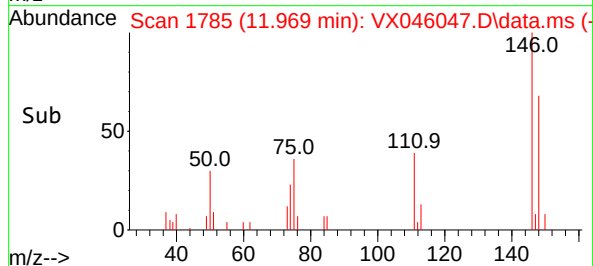
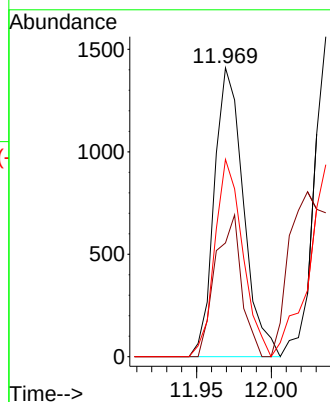
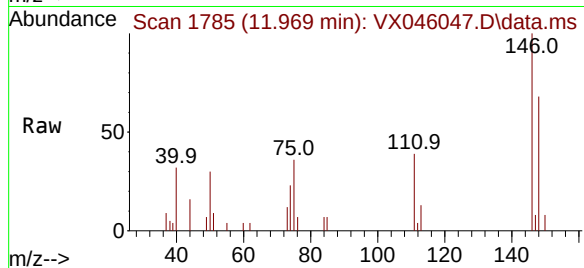
Tgt Ion:146	Resp:	1914
Ion Ratio	Lower	Upper
146	100	
111	43.9	22.1 66.3
148	65.3	32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#88

1,4-Dichlorobenzene

Concen: 0.789 ug/l m

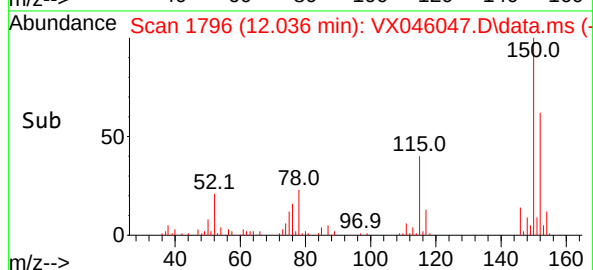
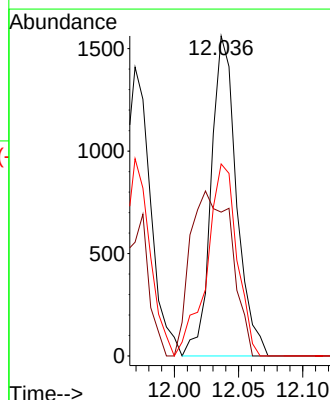
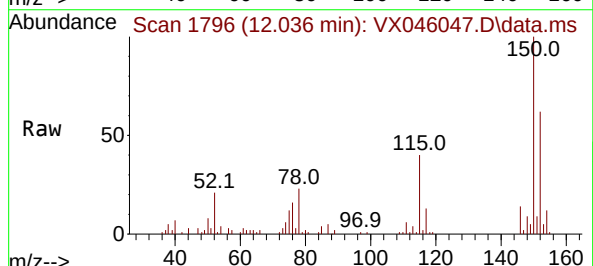
RT: 12.036 min Scan# 1796

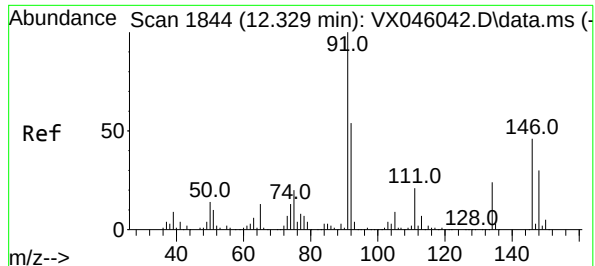
Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Tgt Ion:146	Resp:	2149
Ion Ratio	Lower	Upper
146	100	
111	39.1	21.3 63.9
148	58.2	31.9 95.5





#89

n-Butylbenzene

Concen: 0.631 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

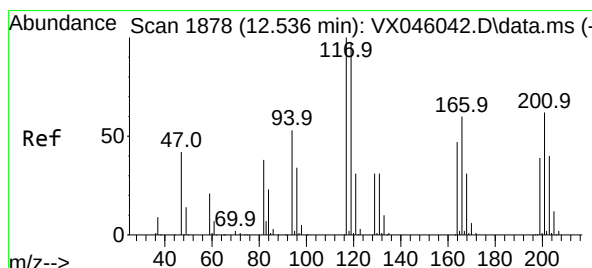
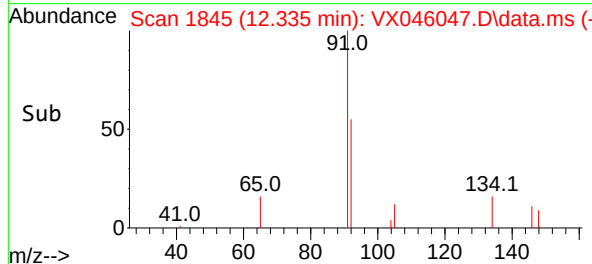
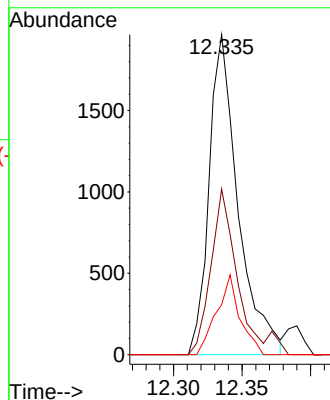
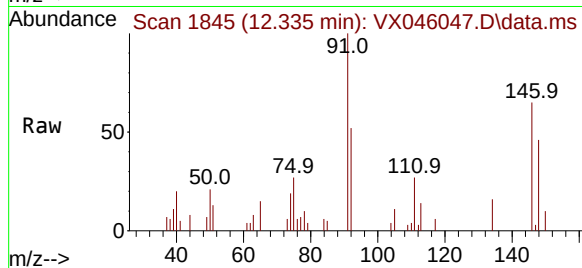
Tgt Ion:	91	Resp:	288
Ion Ratio	Lower	Upper	
91	100		
92	48.1	26.9	80.7
134	20.1	11.8	35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#90

Hexachloroethane

Concen: 0.616 ug/l

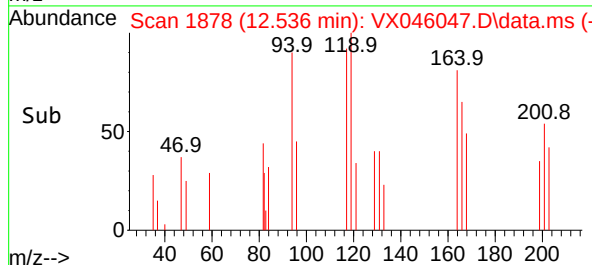
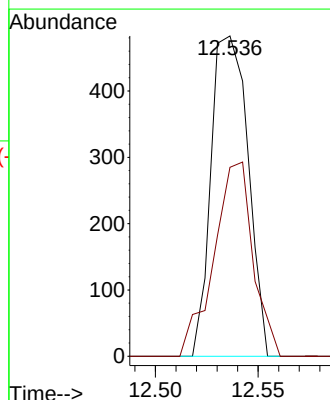
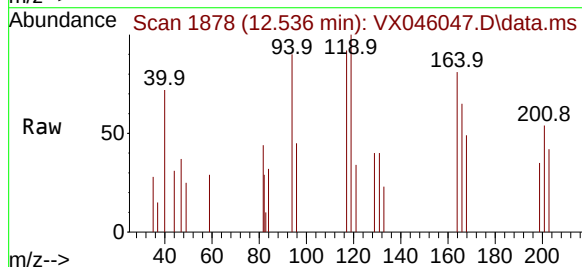
RT: 12.536 min Scan# 1878

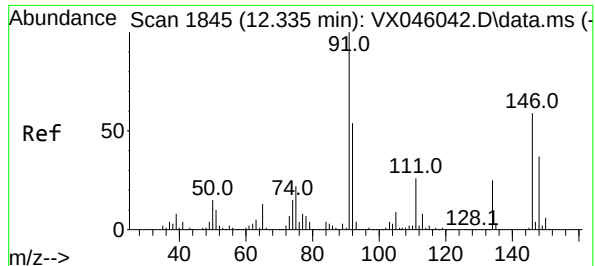
Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

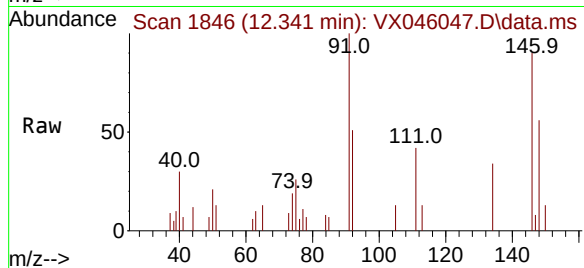
Tgt Ion:	117	Resp:	604
Ion Ratio	Lower	Upper	
117	100		
201	64.2	31.6	94.7





#91
1,2-Dichlorobenzene
Concen: 0.747 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

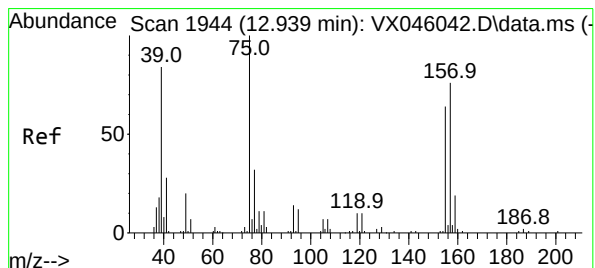
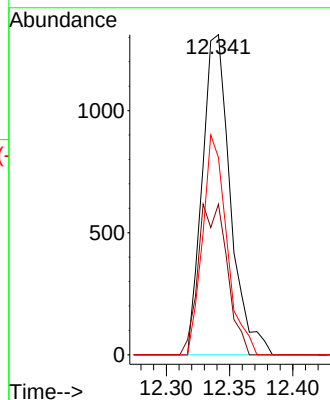
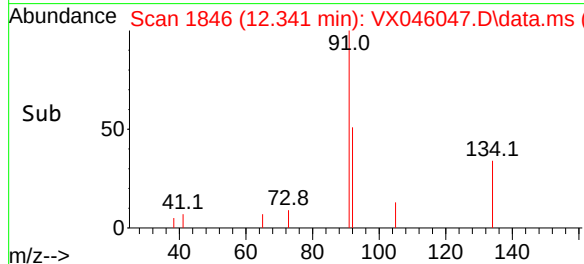
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



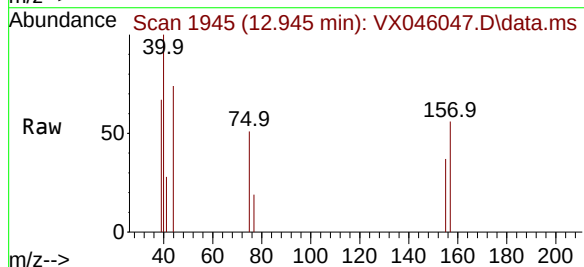
Tgt Ion:146 Resp: 202
Ion Ratio Lower Upper
146 100
111 48.8 22.4 67.3
148 59.4 31.6 94.8

Manual Integrations
APPROVED

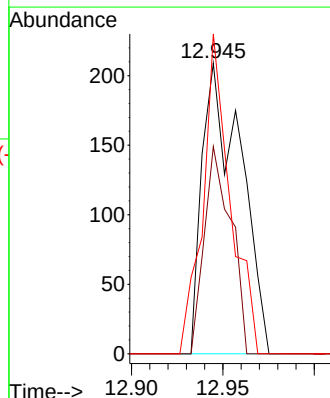
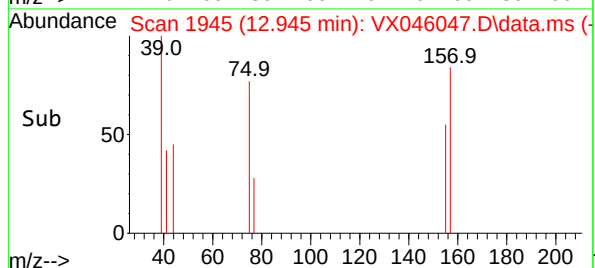
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

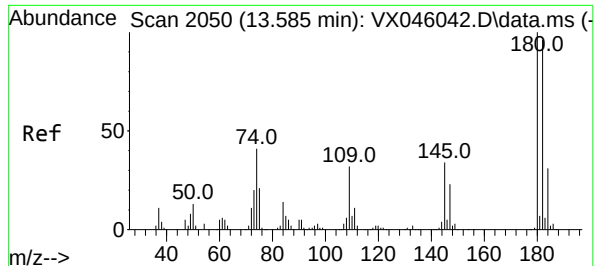


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.586 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27



Tgt Ion: 75 Resp: 306
Ion Ratio Lower Upper
75 100
155 49.3 34.9 104.8
157 78.1 43.8 131.4





#93

1,2,4-Trichlorobenzene

Concen: 0.688 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

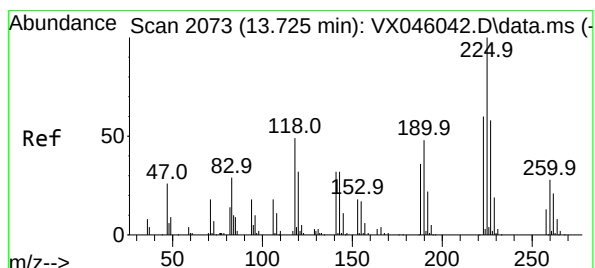
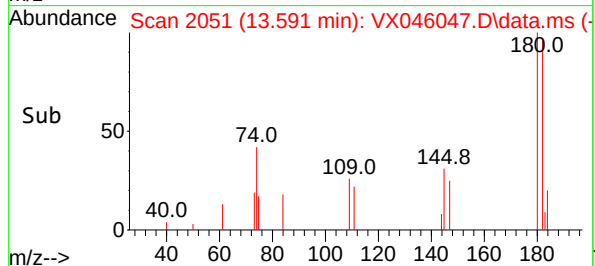
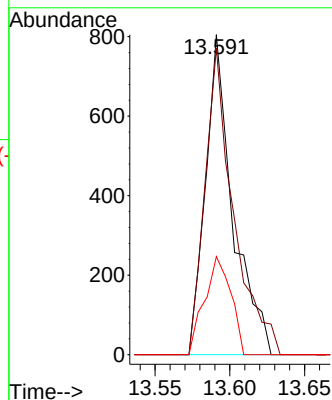
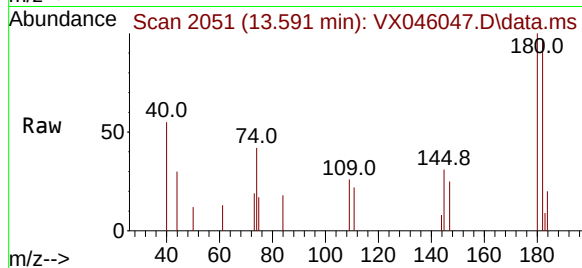
Tgt Ion:180	Resp:	1019
Ion Ratio	Lower	Upper
180	100	
182	100.6	47.9 143.8
145	29.5	17.1 51.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#94

Hexachlorobutadiene

Concen: 0.671 ug/l

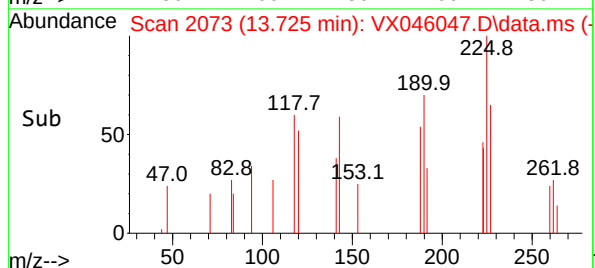
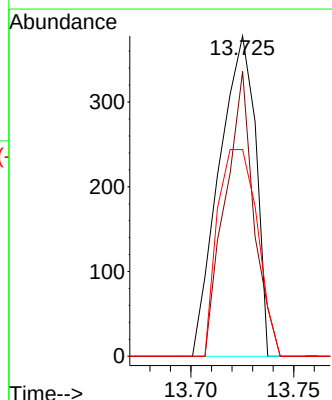
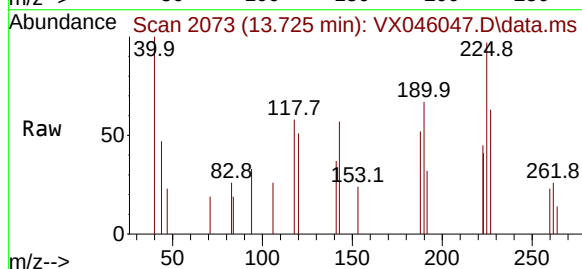
RT: 13.725 min Scan# 2073

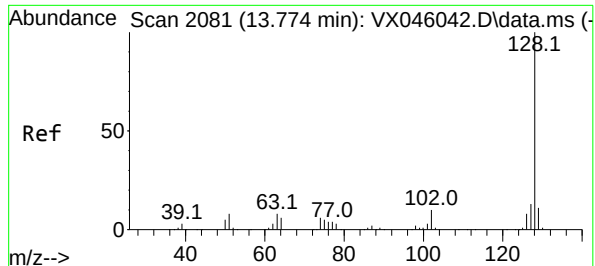
Delta R.T. -0.000 min

Lab File: VX046047.D

Acq: 05 May 2025 16:27

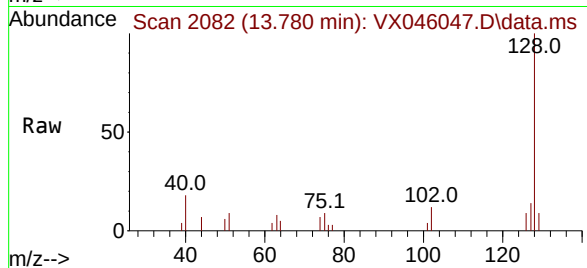
Tgt Ion:225	Resp:	465
Ion Ratio	Lower	Upper
225	100	
223	69.7	30.8 92.4
227	70.5	30.9 92.7





#95
Naphthalene
Concen: 0.767 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

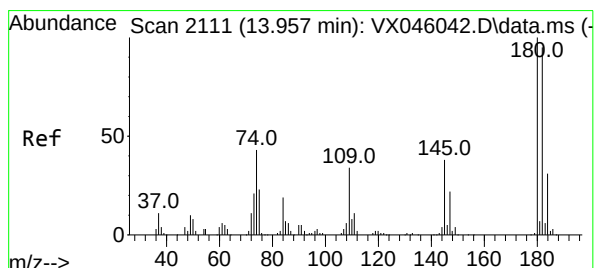
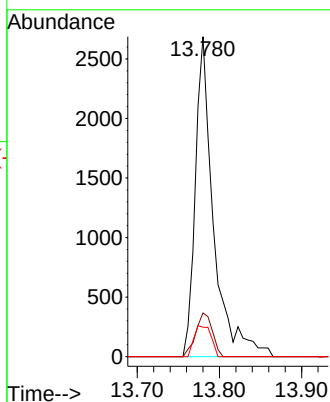
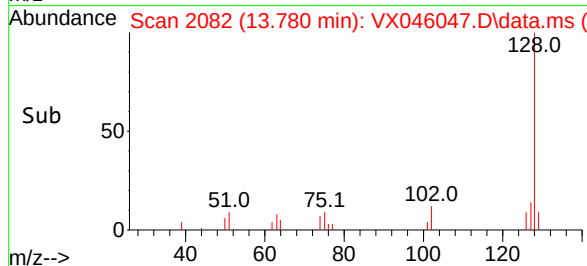
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



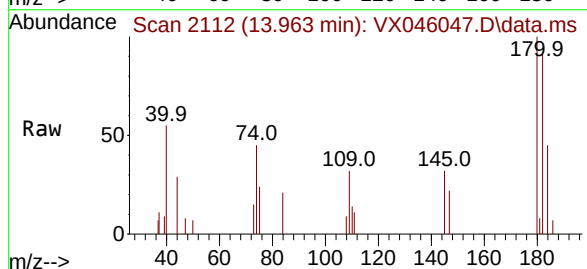
Tgt Ion:128 Resp: 4138
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 8.9 8.6 13.0

Manual Integrations
APPROVED

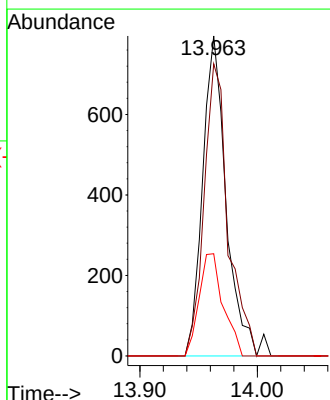
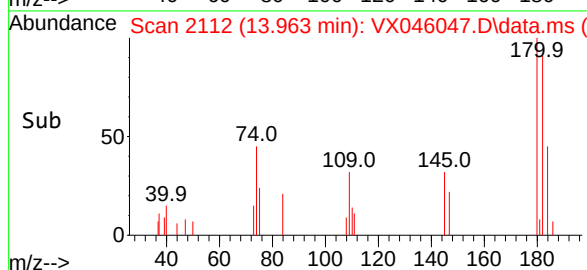
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.716 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27



Tgt Ion:180 Resp: 1113
Ion Ratio Lower Upper
180 100
182 92.5 47.8 143.3
145 32.5 18.1 54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046048.D
 Acq On : 05 May 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050525

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	92588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83733	48.509	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.020%		
35) Dibromofluoromethane	5.379	113	58192	49.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.360%		
50) Toluene-d8	8.647	98	198575	48.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.960%		
62) 4-Bromofluorobenzene	11.079	95	75568	48.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	78783	55.594	ug/l	99
3) Chloromethane	1.307	50	72275	52.592	ug/l	100
4) Vinyl Chloride	1.374	62	65994	51.598	ug/l	98
5) Bromomethane	1.593	94	30033	50.627	ug/l	97
6) Chloroethane	1.666	64	35690	52.271	ug/l	94
7) Trichlorofluoromethane	1.874	101	99352	52.560	ug/l	99
8) Diethyl Ether	2.130	74	31875	49.536	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	59451	50.822	ug/l	99
10) Methyl Iodide	2.447	142	73940	53.419	ug/l	99
11) Tert butyl alcohol	2.977	59	61065	252.025	ug/l	99
12) 1,1-Dichloroethene	2.313	96	56097	51.097	ug/l	98
13) Acrolein	2.233	56	64157	232.505	ug/l	99
14) Allyl chloride	2.660	41	108757	51.833	ug/l	100
15) Acrylonitrile	3.063	53	181808	262.412	ug/l	99
16) Acetone	2.380	43	169923	245.518	ug/l	98
17) Carbon Disulfide	2.502	76	132695	50.981	ug/l	99
18) Methyl Acetate	2.703	43	80251	49.968	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	195442	50.777	ug/l	99
20) Methylene Chloride	2.782	84	63369	47.779	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	55770	50.513	ug/l	99
22) Diisopropyl ether	3.757	45	209946	51.800	ug/l	97
23) Vinyl Acetate	3.715	43	946746	265.585	ug/l	100
24) 1,1-Dichloroethane	3.605	63	114733	50.825	ug/l	98
25) 2-Butanone	4.556	43	258339	257.110	ug/l	97
26) 2,2-Dichloropropane	4.471	77	88229	49.934	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	67727	50.956	ug/l	100
28) Bromochloromethane	4.891	49	55390	50.975	ug/l	98
29) Tetrahydrofuran	5.001	42	163675	259.958	ug/l	99
30) Chloroform	5.093	83	120782	51.332	ug/l	97
31) Cyclohexane	5.458	56	103158	50.147	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	104243	51.108	ug/l	100
36) 1,1-Dichloropropene	5.690	75	77931	49.521	ug/l	99
37) Ethyl Acetate	4.715	43	98604	50.714	ug/l	100
38) Carbon Tetrachloride	5.666	117	88100	49.825	ug/l	97
39) Methylcyclohexane	7.373	83	100808	49.757	ug/l	98
40) Benzene	6.031	78	233977	50.759	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046048.D
 Acq On : 05 May 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050525

Quant Time: May 06 07:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	56017	55.076	ug/l	100
42) 1,2-Dichloroethane	6.080	62	101185	50.861	ug/l	98
43) Isopropyl Acetate	6.336	43	154818	52.195	ug/l	99
44) Trichloroethene	7.123	130	55491	50.018	ug/l	100
45) 1,2-Dichloropropane	7.428	63	59582	51.983	ug/l	98
46) Dibromomethane	7.580	93	45181	49.978	ug/l	99
47) Bromodichloromethane	7.818	83	92388	51.889	ug/l	100
48) Methyl methacrylate	7.690	41	82144	54.226	ug/l	98
49) 1,4-Dioxane	7.659	88	30477	1059.599	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	510206	259.133	ug/l	100
52) Toluene	8.714	92	144574	51.150	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	83751	52.920	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	92517	52.892	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	56713	50.887	ug/l	96
56) Ethyl methacrylate	9.116	69	95772	53.918	ug/l	99
57) 1,3-Dichloropropane	9.305	76	99663	49.793	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	240681	265.780	ug/l	99
59) 2-Hexanone	9.427	43	390701	268.218	ug/l	100
60) Dibromochloromethane	9.519	129	63738	52.075	ug/l	99
61) 1,2-Dibromoethane	9.610	107	59134	51.050	ug/l	98
64) Tetrachloroethene	9.269	164	48034	46.795	ug/l	98
65) Chlorobenzene	10.073	112	154640	48.699	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53735	49.557	ug/l	100
67) Ethyl Benzene	10.189	91	281239	50.245	ug/l	100
68) m/p-Xylenes	10.299	106	206813	101.022	ug/l	99
69) o-Xylene	10.640	106	101469	50.841	ug/l	99
70) Styrene	10.653	104	169703	51.907	ug/l	99
71) Bromoform	10.799	173	40364	49.583	ug/l #	97
73) Isopropylbenzene	10.957	105	269484	50.733	ug/l	100
74) N-amyl acetate	10.842	43	137559	52.407	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89027	47.827	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	79763m	48.568	ug/l	
77) Bromobenzene	11.195	156	59871	48.549	ug/l	98
78) n-propylbenzene	11.299	91	312285	50.562	ug/l	100
79) 2-Chlorotoluene	11.360	91	195630	49.107	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	228538	51.500	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24857	49.276	ug/l	98
82) 4-Chlorotoluene	11.451	91	223811	50.661	ug/l	100
83) tert-Butylbenzene	11.713	119	225783	50.511	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	231371	51.485	ug/l	100
85) sec-Butylbenzene	11.890	105	280578	51.122	ug/l	99
86) p-Isopropyltoluene	12.006	119	231942	51.198	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	113146	50.272	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	111173	48.368	ug/l	99
89) n-Butylbenzene	12.329	91	205858	51.804	ug/l	100
90) Hexachloroethane	12.536	117	39823	49.895	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	111482	49.361	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21220	51.458	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	64421	49.662	ug/l	100
94) Hexachlorobutadiene	13.719	225	27425	48.408	ug/l	98
95) Naphthalene	13.774	128	239805	50.404	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	64950	48.525	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

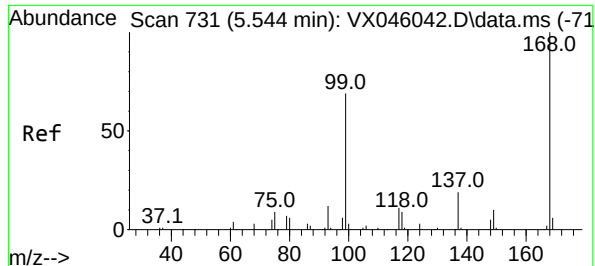
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050525

Tgt Ion:168 Resp: 9258

Ion Ratio Lower Upper

168 100

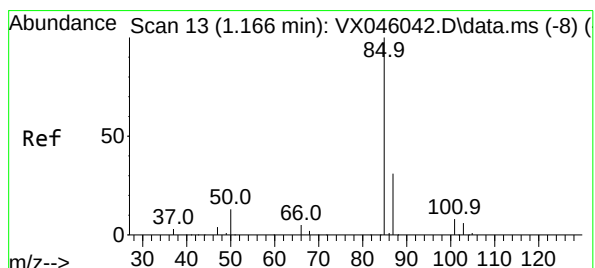
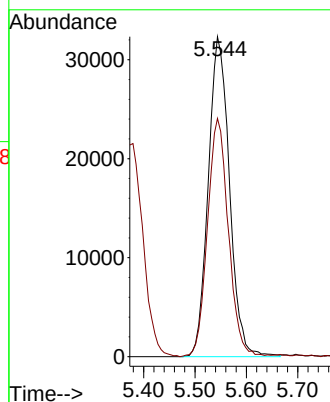
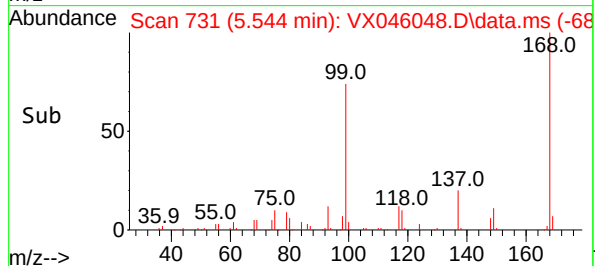
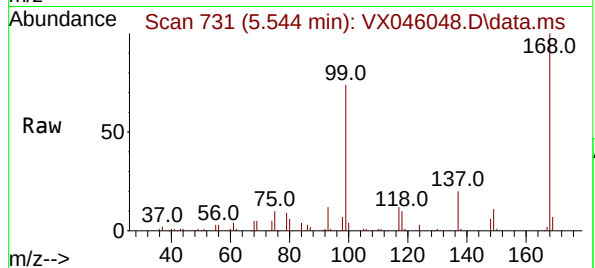
99 74.5 54.9 82.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#2

Dichlorodifluoromethane

Concen: 55.594 ug/l

RT: 1.167 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX046048.D

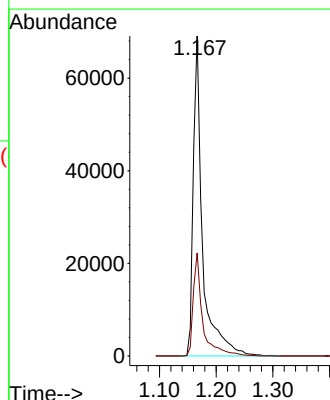
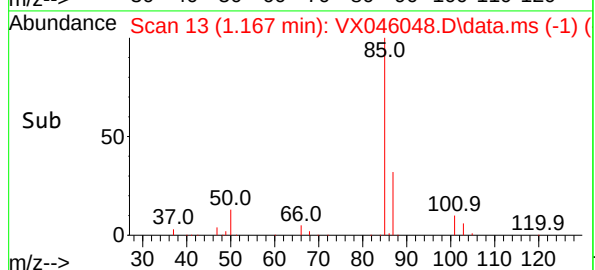
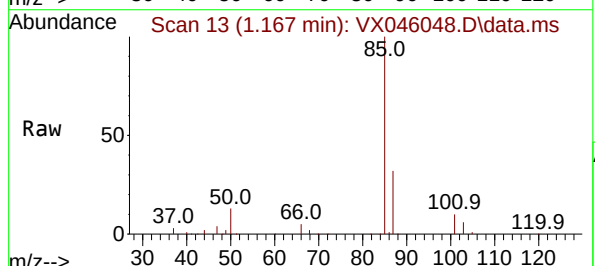
Acq: 05 May 2025 16:50

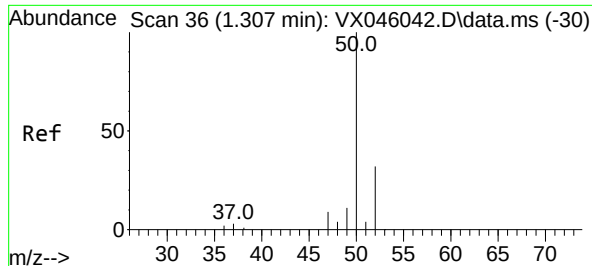
Tgt Ion: 85 Resp: 78783

Ion Ratio Lower Upper

85 100

87 32.2 15.7 47.1





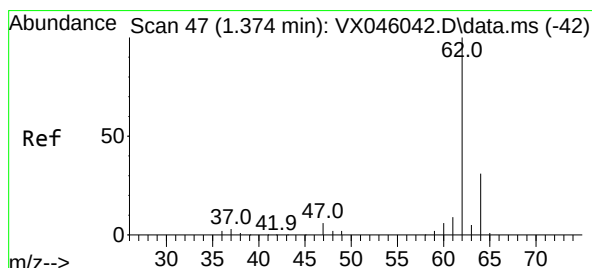
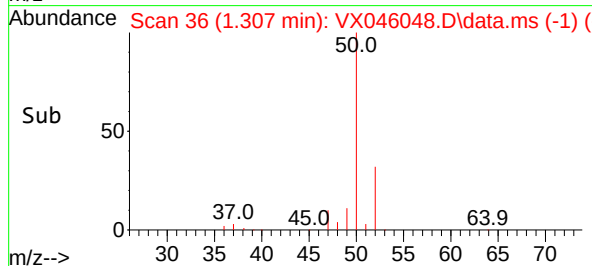
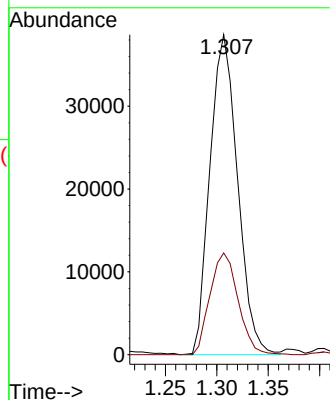
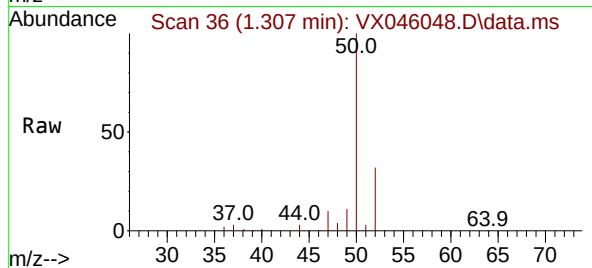
#3
Chloromethane
Concen: 52.592 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 50 Resp: 72275
Ion Ratio Lower Upper
50 100
52 31.8 25.4 38.2

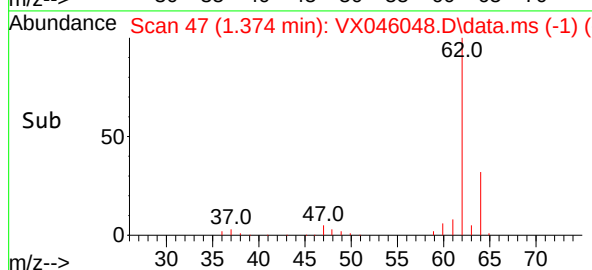
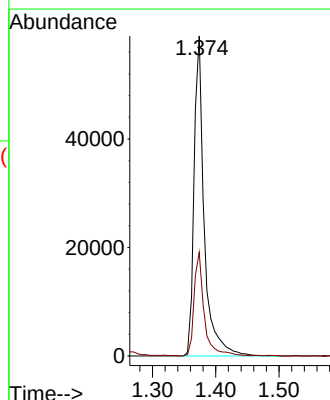
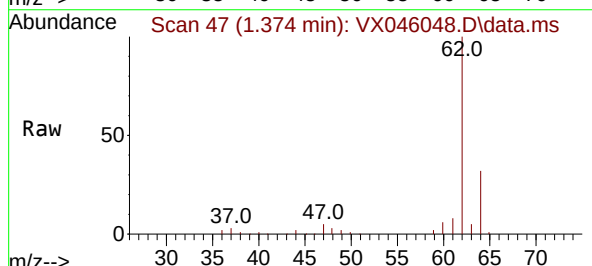
Manual Integrations
APPROVED

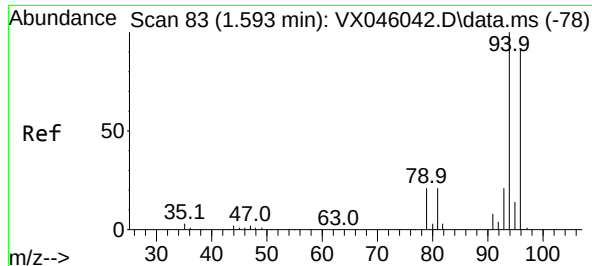
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#4
Vinyl Chloride
Concen: 51.598 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

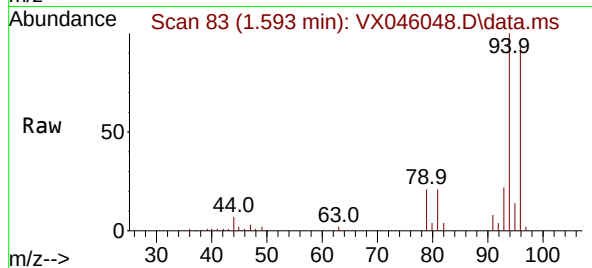
Tgt Ion: 62 Resp: 65994
Ion Ratio Lower Upper
62 100
64 32.3 25.2 37.8





#5
Bromomethane
Concen: 50.627 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

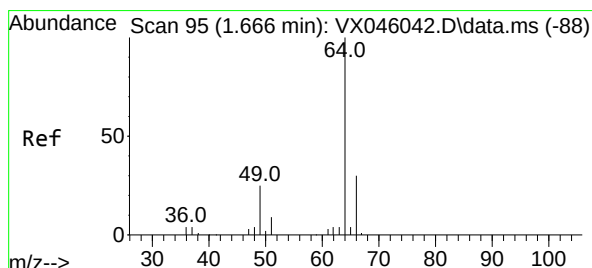
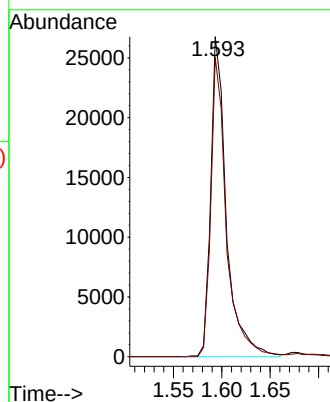
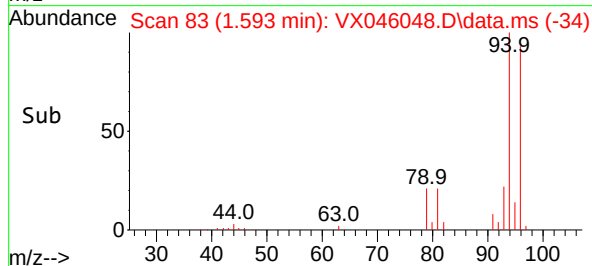
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion: 94 Resp: 3003
Ion Ratio Lower Upper
94 100
96 93.5 72.8 109.2

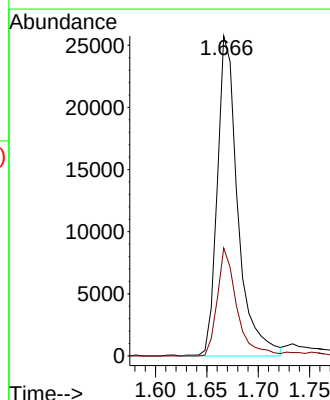
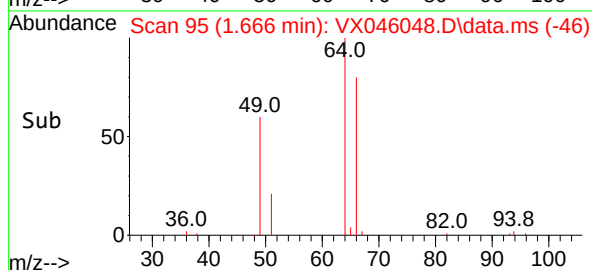
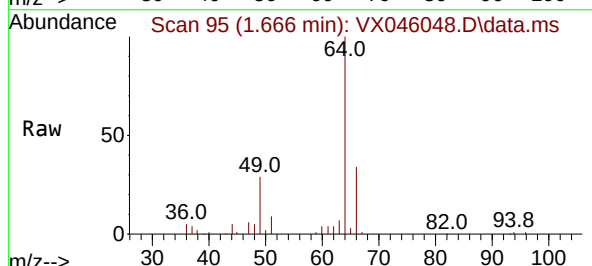
Manual Integrations
APPROVED

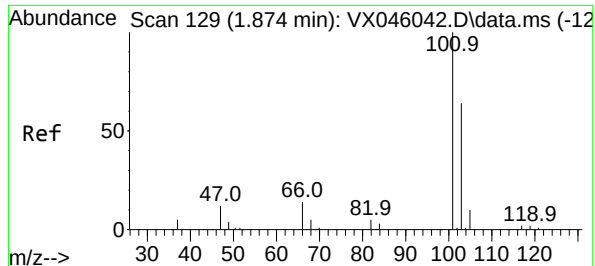
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#6
Chloroethane
Concen: 52.271 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

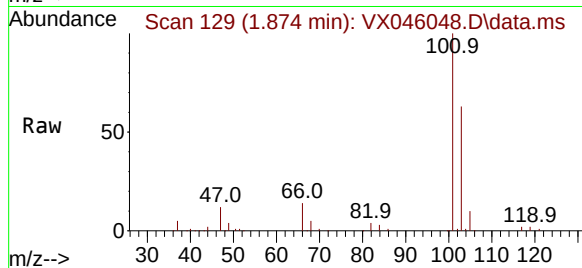
Tgt Ion: 64 Resp: 35690
Ion Ratio Lower Upper
64 100
66 33.7 24.3 36.5





#7
Trichlorofluoromethane
Concen: 52.560 ug/l
RT: 1.874 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

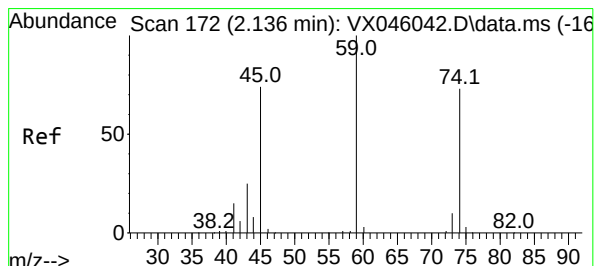
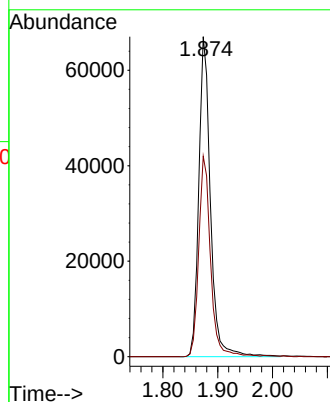
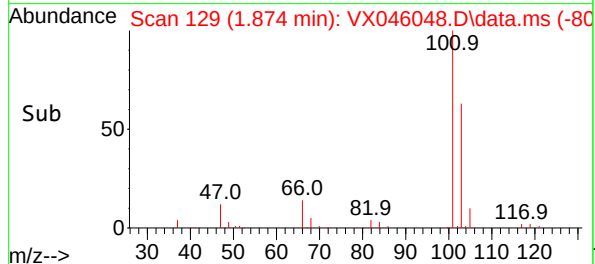
Instrument :
MSVOA_X
ClientSampleId :
ICVX050525



Tgt Ion:101 Resp: 99352
Ion Ratio Lower Upper
101 100
103 62.6 51.0 76.4

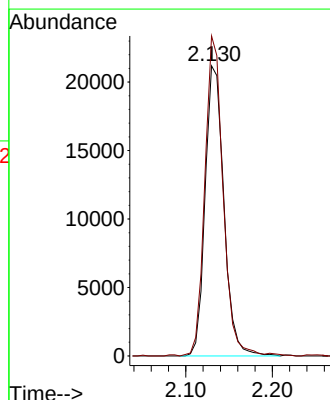
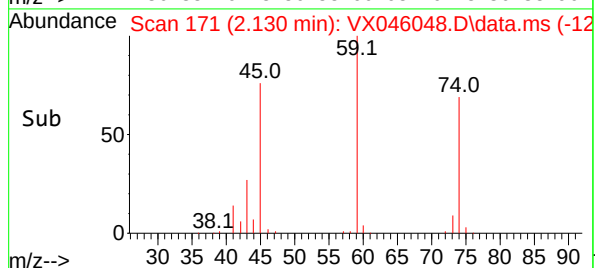
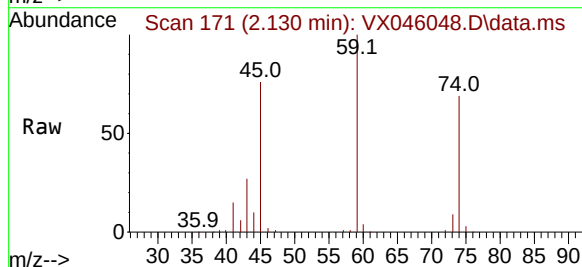
Manual Integrations
APPROVED

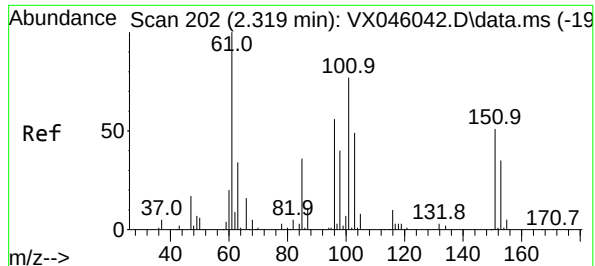
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#8
Diethyl Ether
Concen: 49.536 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 74 Resp: 31875
Ion Ratio Lower Upper
74 100
45 107.1 54.9 164.8





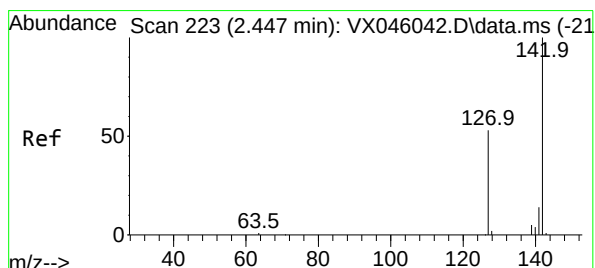
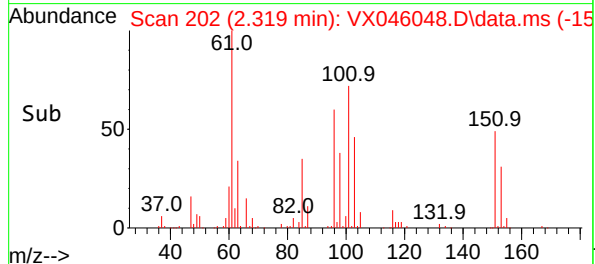
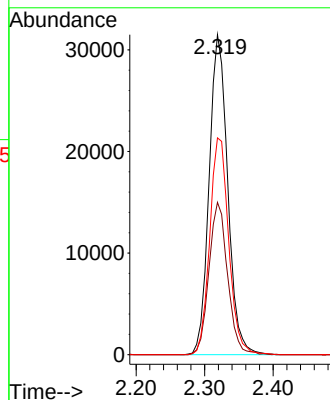
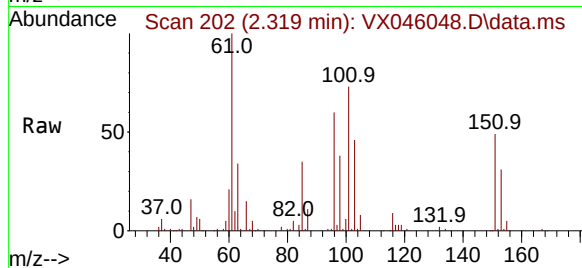
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.822 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
Client Sample Id :
ICVX050525

Tgt Ion:101 Resp: 5945
Ion Ratio Lower Upper
101 100
85 47.8 38.6 58.0
151 69.4 55.2 82.8

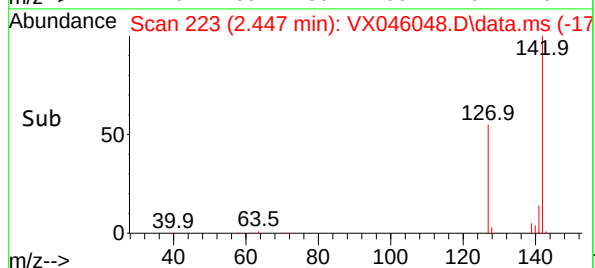
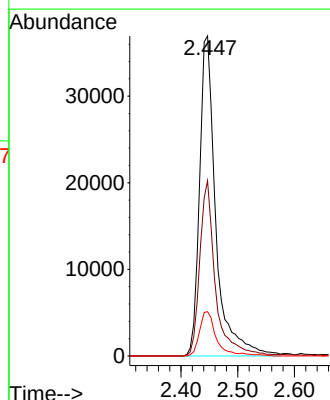
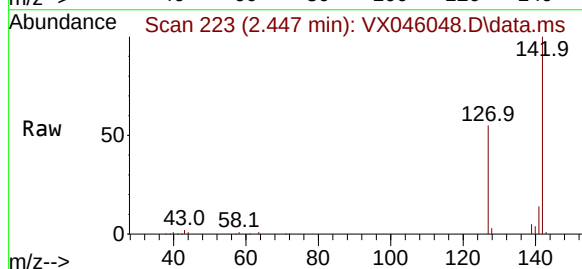
Manual Integrations
APPROVED

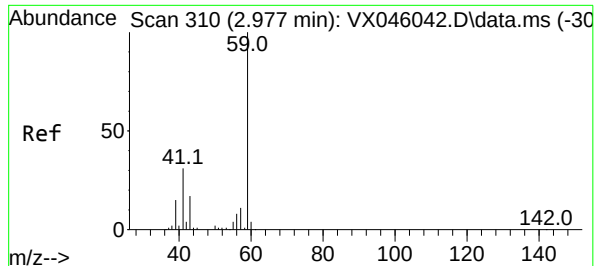
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#10
Methyl Iodide
Concen: 53.419 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:142 Resp: 73940
Ion Ratio Lower Upper
142 100
127 52.9 41.7 62.5
141 14.4 11.5 17.3





#11

Tert butyl alcohol

Concen: 252.025 ug/l

RT: 2.977 min Scan# 310

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

Tgt Ion: 59 Resp: 6106

Ion Ratio Lower Upper

59 100

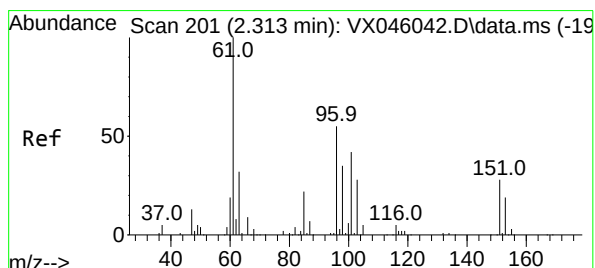
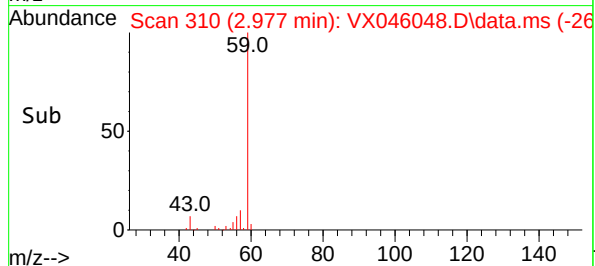
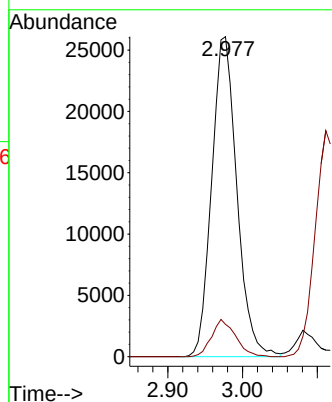
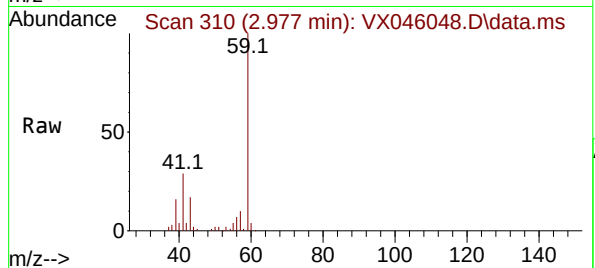
57 11.1 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#12

1,1-Dichloroethene

Concen: 51.097 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

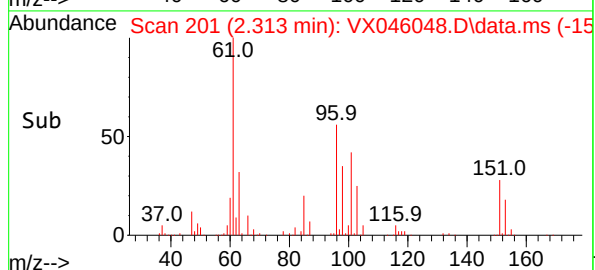
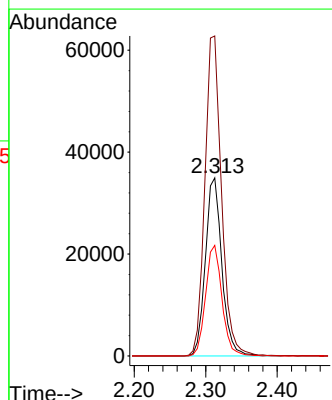
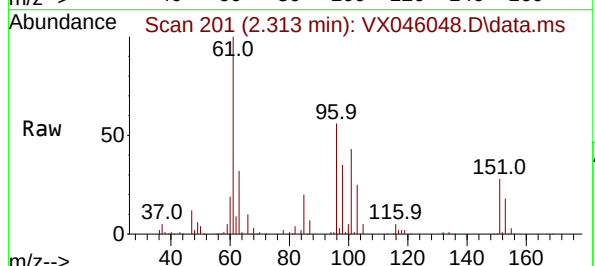
Tgt Ion: 96 Resp: 56097

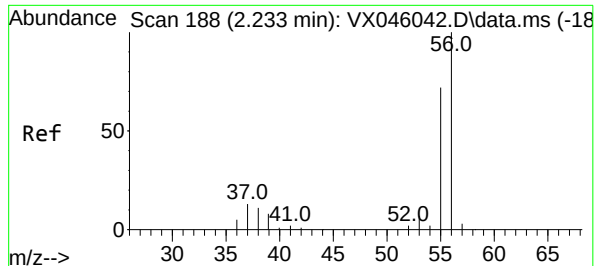
Ion Ratio Lower Upper

96 100

61 179.7 146.2 219.2

98 62.1 51.0 76.6





#13

Acrolein

Concen: 232.505 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

Tgt Ion: 56 Resp: 6415

Ion Ratio Lower Upper

56 100

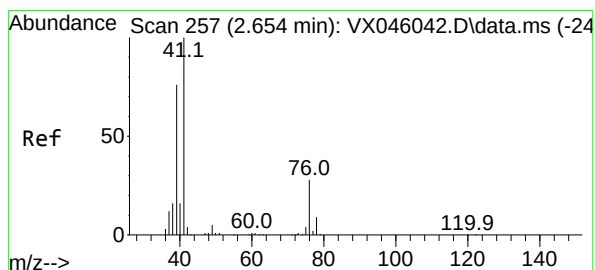
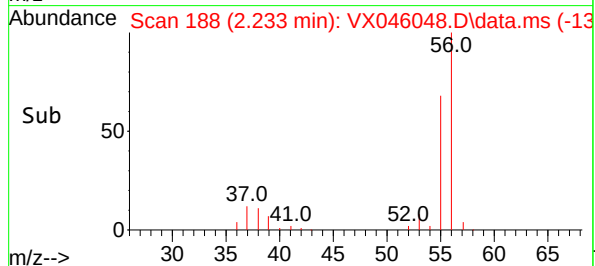
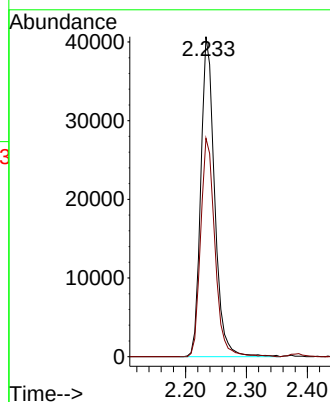
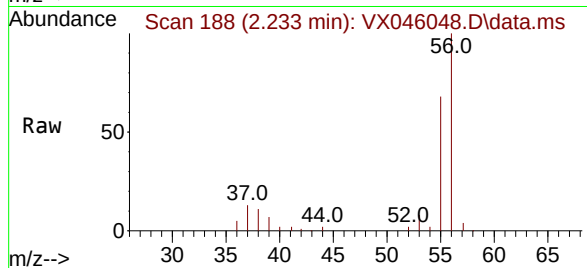
55 70.8 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#14

Allyl chloride

Concen: 51.833 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

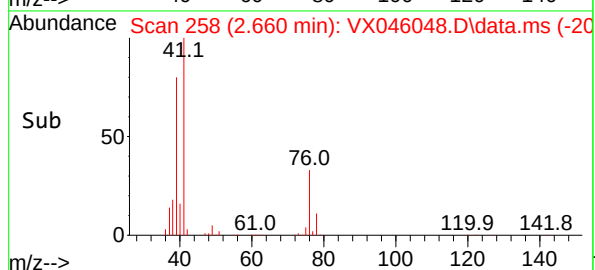
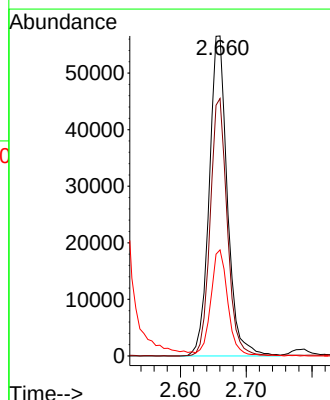
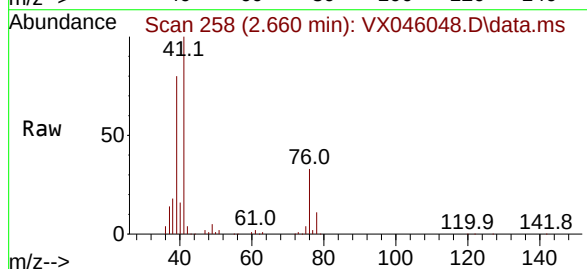
Tgt Ion: 41 Resp: 108757

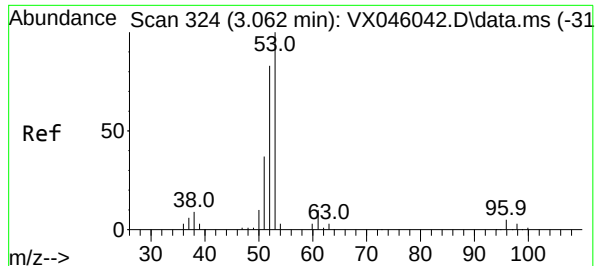
Ion Ratio Lower Upper

41 100

39 75.6 60.6 90.8

76 31.1 24.9 37.3





#15

Acrylonitrile

Concen: 262.412 ug/l

RT: 3.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050525

Tgt Ion: 53 Resp: 181808

Ion Ratio Lower Upper

53 100

52 82.9 65.3 97.9

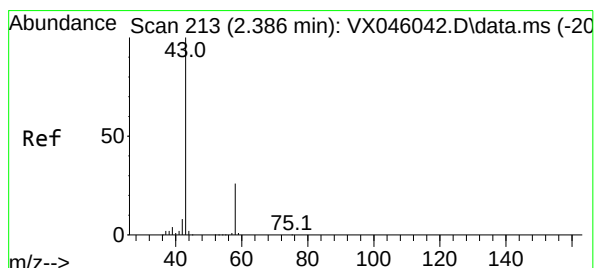
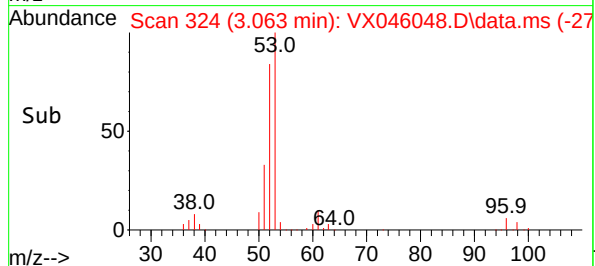
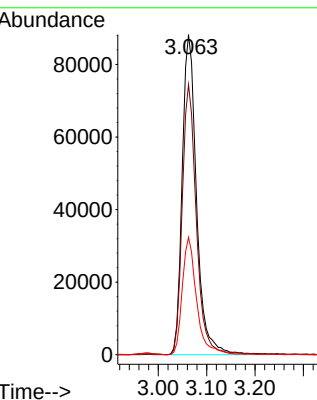
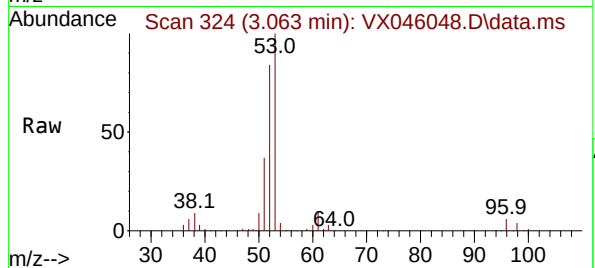
51 36.5 29.8 44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#16

Acetone

Concen: 245.518 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX046048.D

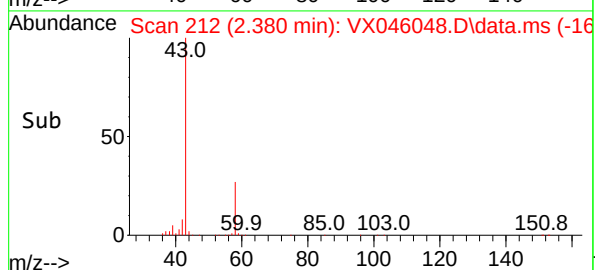
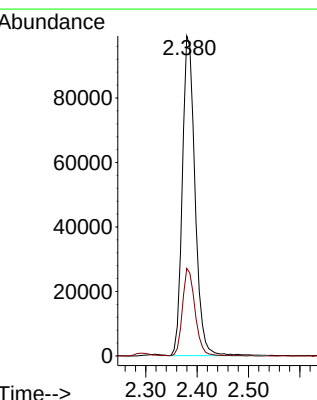
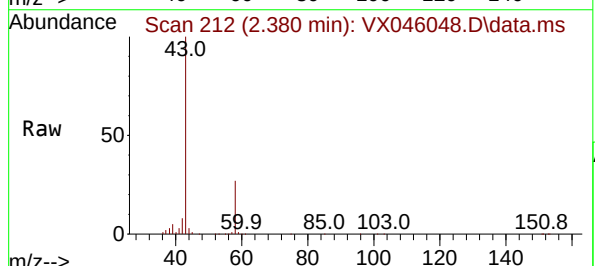
Acq: 05 May 2025 16:50

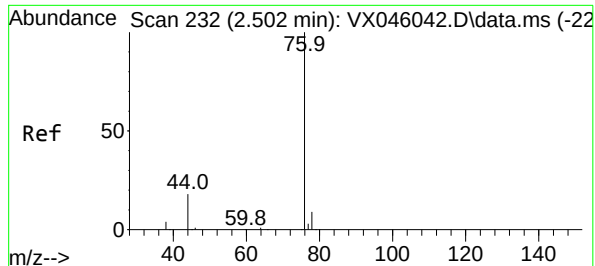
Tgt Ion: 43 Resp: 169923

Ion Ratio Lower Upper

43 100

58 27.3 21.2 31.8





#17

Carbon Disulfide

Concen: 50.981 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050525

Tgt Ion: 76 Resp: 13269

Ion Ratio Lower Upper

76 100

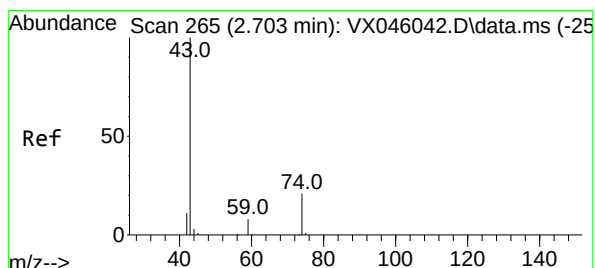
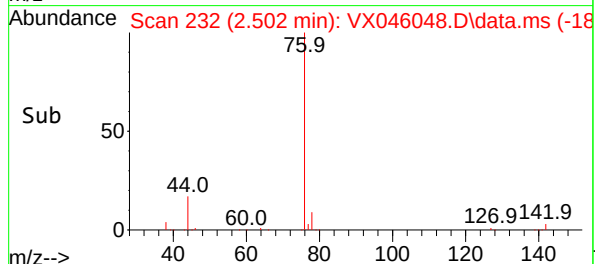
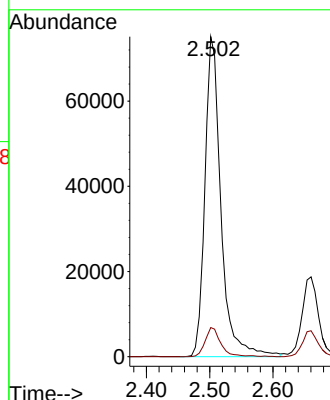
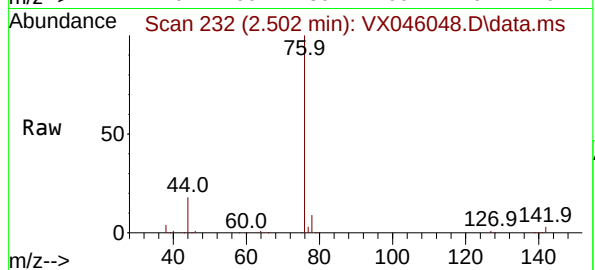
78 9.1 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#18

Methyl Acetate

Concen: 49.968 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX046048.D

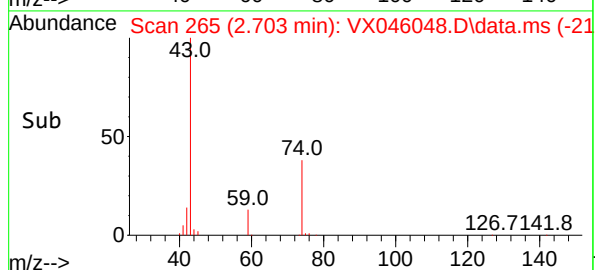
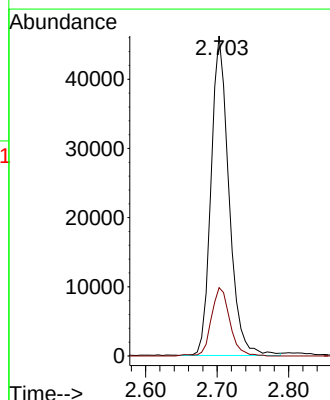
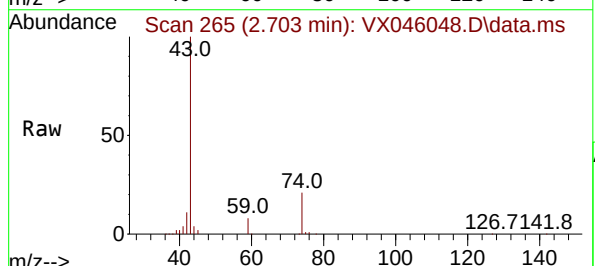
Acq: 05 May 2025 16:50

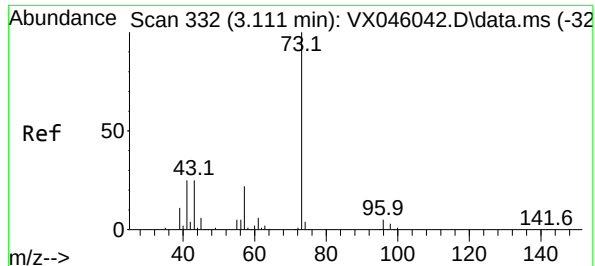
Tgt Ion: 43 Resp: 80251

Ion Ratio Lower Upper

43 100

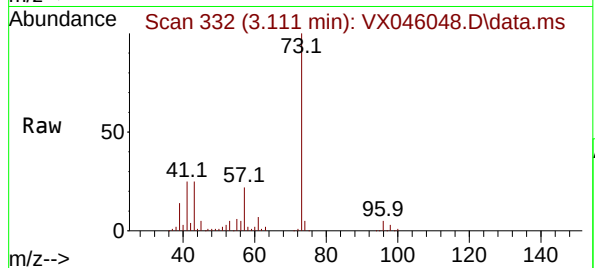
74 22.1 16.7 25.1





#19
Methyl tert-butyl Ether
Concen: 50.777 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

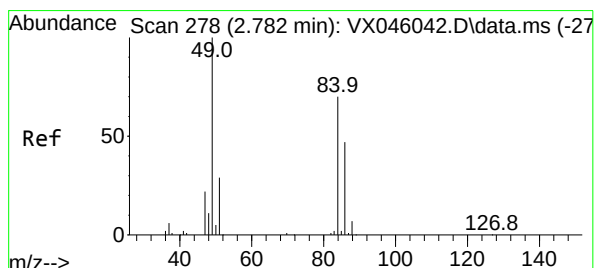
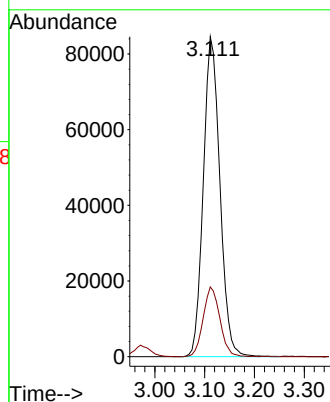
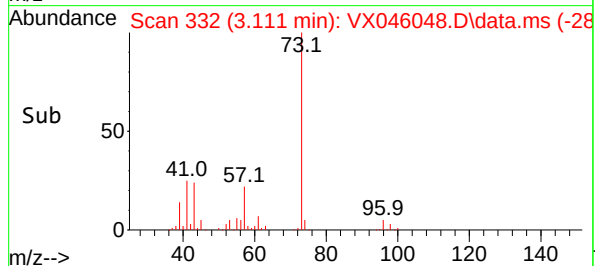
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion: 73 Resp: 19544
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5

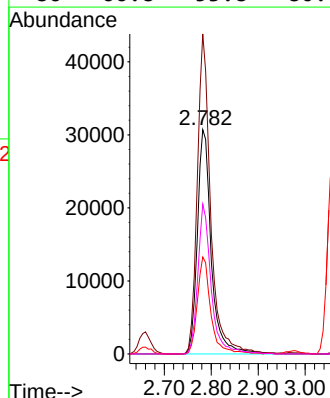
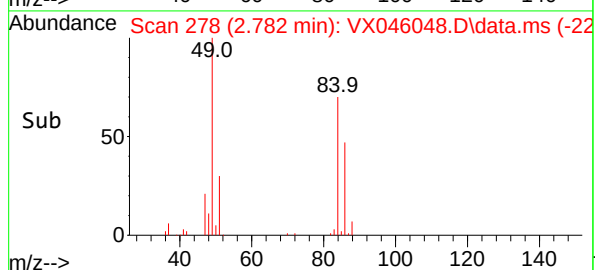
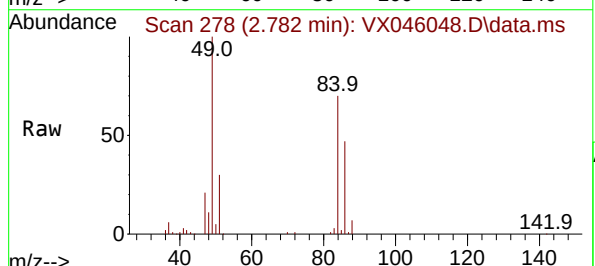
Manual Integrations
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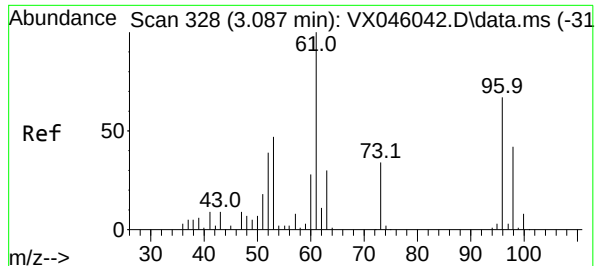
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#20
Methylene Chloride
Concen: 47.779 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

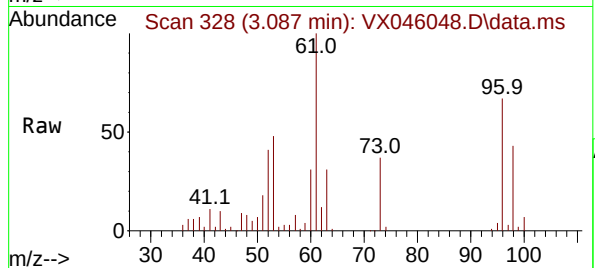
Tgt Ion: 84 Resp: 63369
Ion Ratio Lower Upper
84 100
49 142.7 113.9 170.9
51 43.3 33.5 50.3
86 66.8 53.8 80.8





#21
trans-1,2-Dichloroethene
Concen: 50.513 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

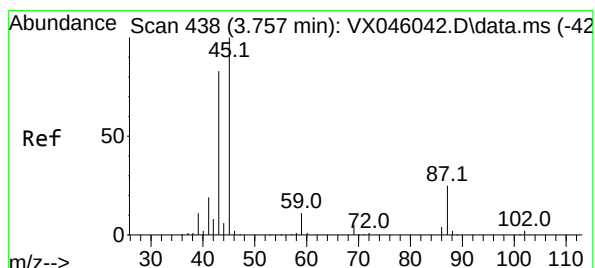
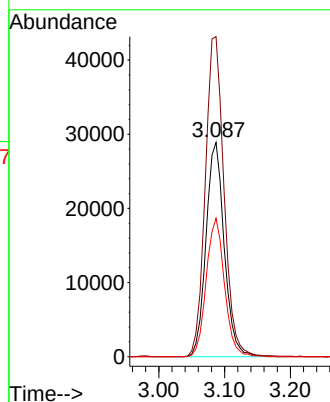
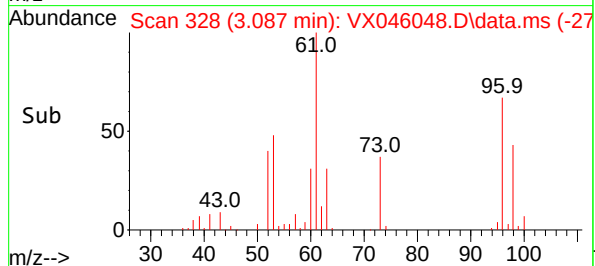
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion: 96 Resp: 55770
Ion Ratio Lower Upper
96 100
61 149.3 119.5 179.3
98 64.6 50.0 75.0

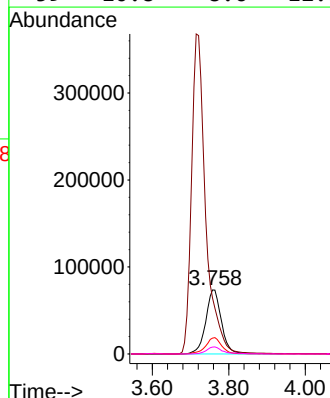
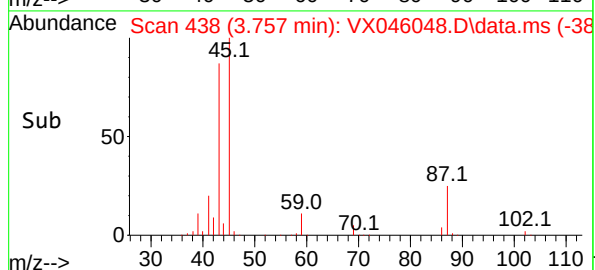
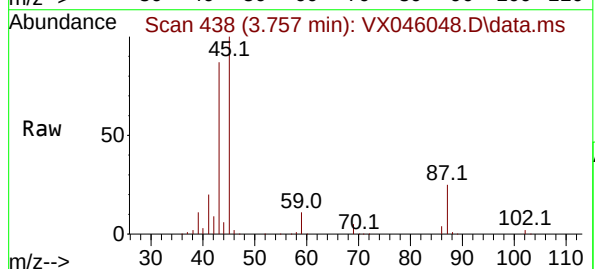
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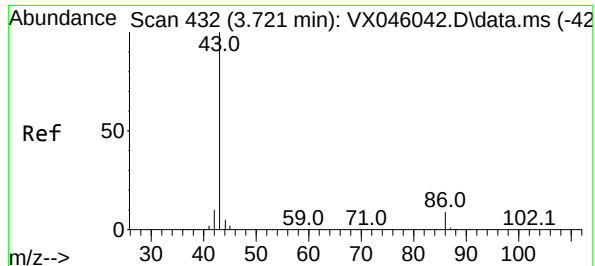
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#22
Diisopropyl ether
Concen: 51.800 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 45 Resp: 209946
Ion Ratio Lower Upper
45 100
43 86.9 66.6 100.0
87 24.8 19.8 29.6
59 10.8 8.6 12.8





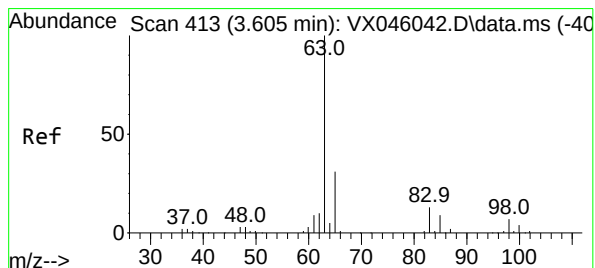
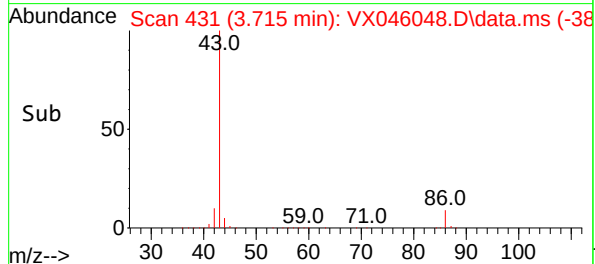
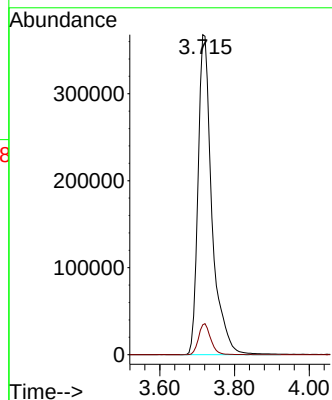
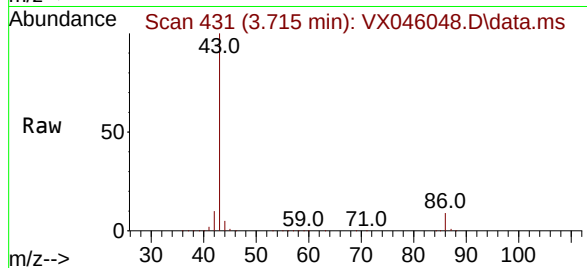
#23
Vinyl Acetate
Concen: 265.585 ug/l
RT: 3.715 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVX050525

Tgt Ion: 43 Resp: 946740
Ion Ratio Lower Upper
43 100
86 9.4 7.5 11.3

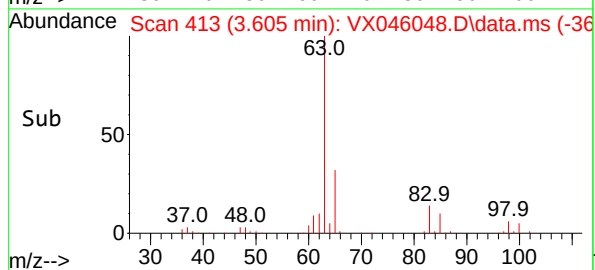
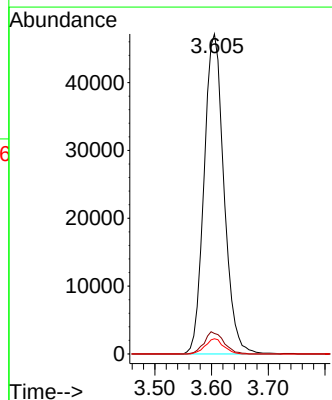
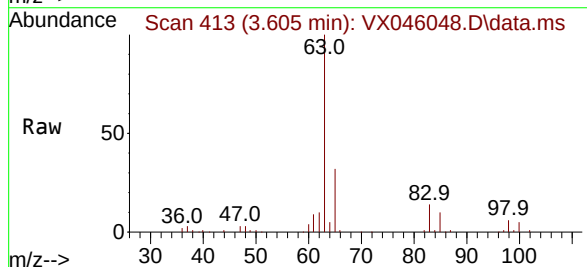
Manual Integrations
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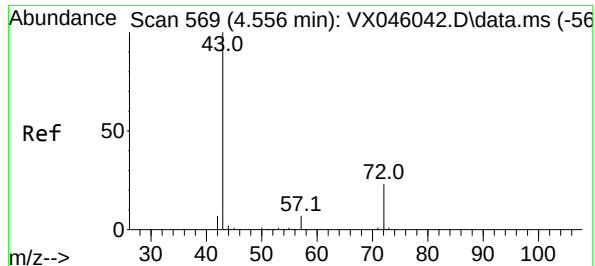
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#24
1,1-Dichloroethane
Concen: 50.825 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 114733
Ion Ratio Lower Upper
63 100
98 6.4 3.6 10.8
100 4.8 2.1 6.3





#25

2-Butanone

Concen: 257.110 ug/l

RT: 4.556 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050525

Tgt Ion: 43 Resp: 258339

Ion Ratio Lower Upper

43 100

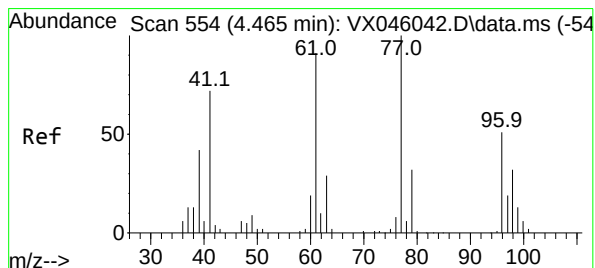
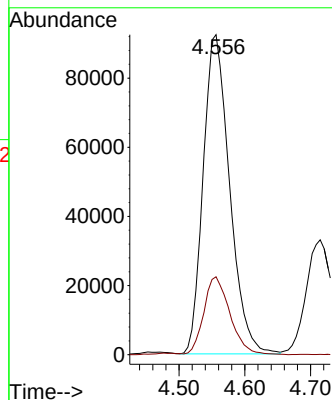
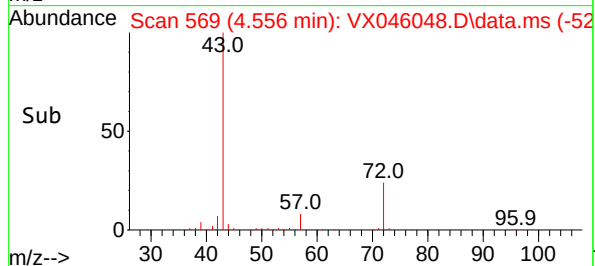
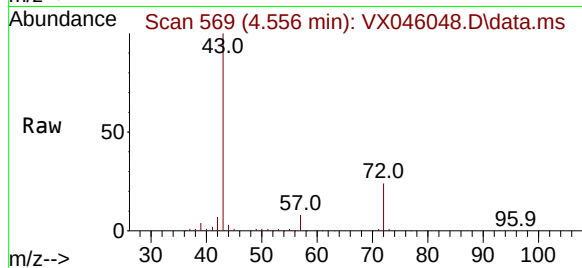
72 24.3 18.4 27.6

Manual Integrations

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Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#26

2,2-Dichloropropane

Concen: 49.934 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX046048.D

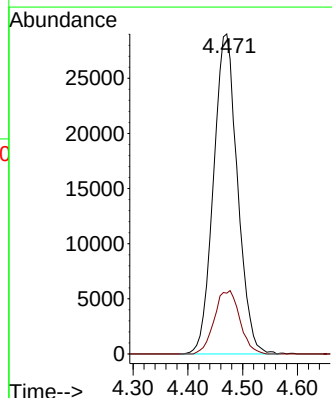
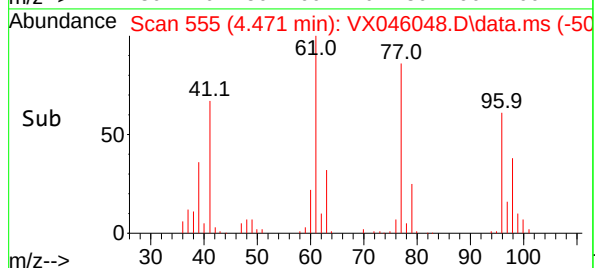
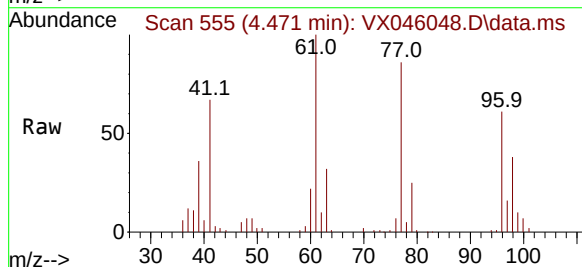
Acq: 05 May 2025 16:50

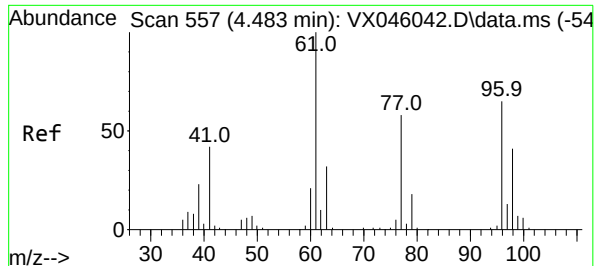
Tgt Ion: 77 Resp: 88229

Ion Ratio Lower Upper

77 100

97 21.0 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 50.956 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

Tgt Ion: 96 Resp: 6772

Ion Ratio Lower Upper

96 100

61 160.7 0.0 322.8

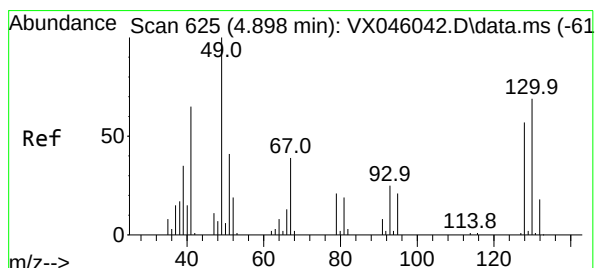
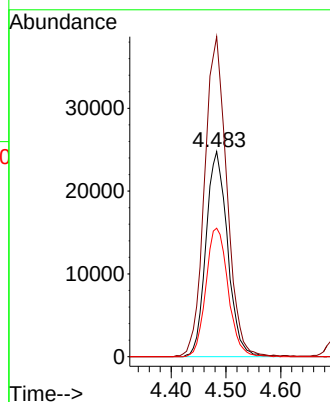
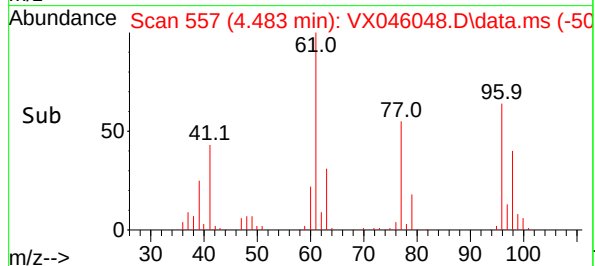
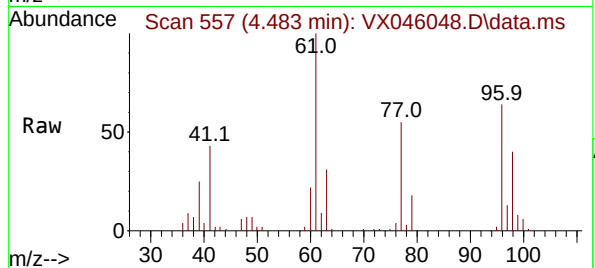
98 64.4 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#28

Bromochloromethane

Concen: 50.975 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

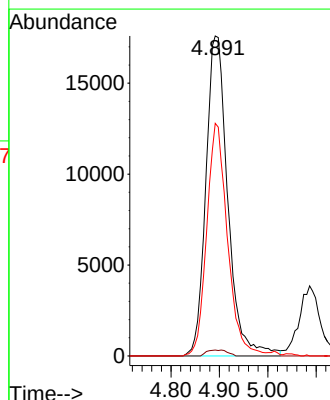
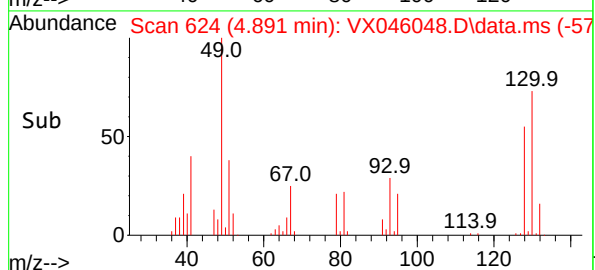
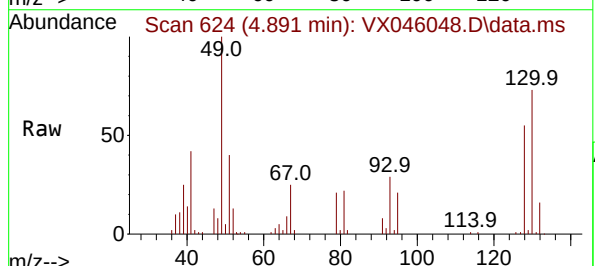
Tgt Ion: 49 Resp: 55390

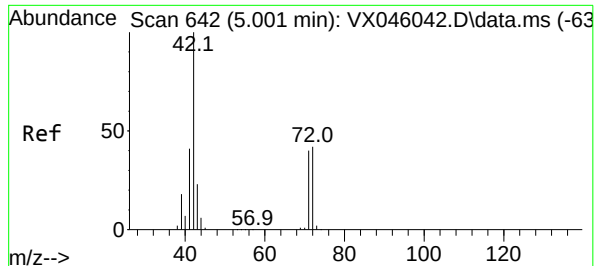
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.0

130 68.7 56.2 84.2





#29

Tetrahydrofuran

Concen: 259.958 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

Tgt Ion: 42 Resp: 163679

Ion Ratio Lower Upper

42 100

72 42.0 33.7 50.5

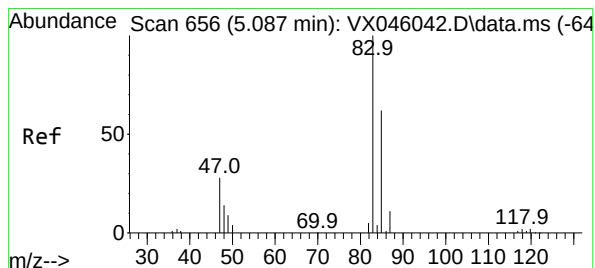
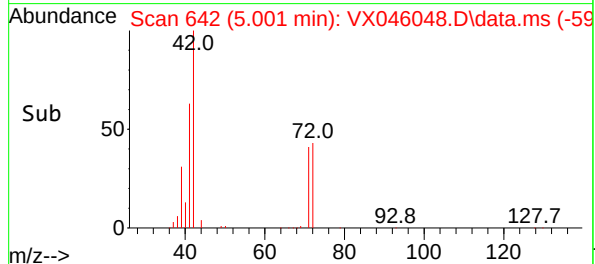
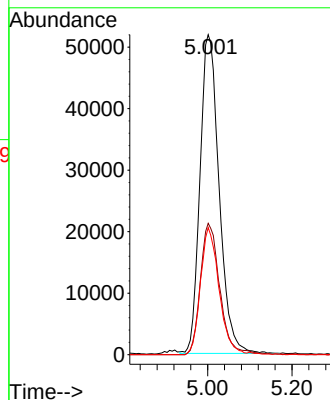
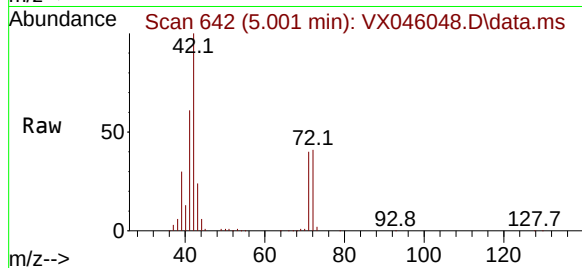
71 38.5 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#30

Chloroform

Concen: 51.332 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX046048.D

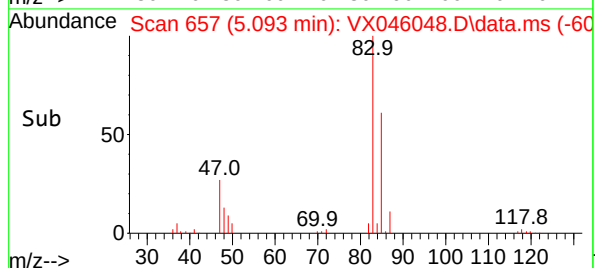
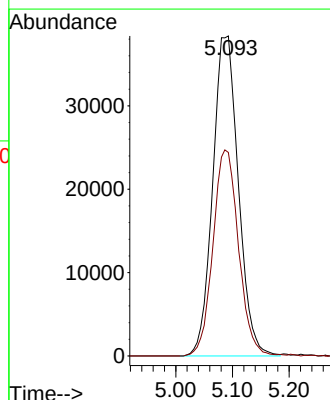
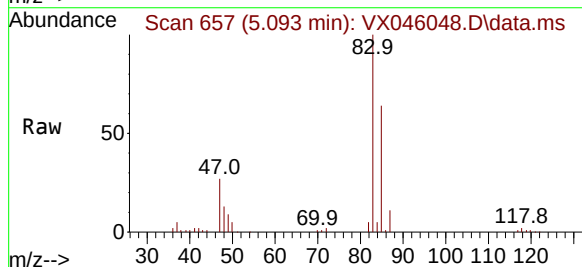
Acq: 05 May 2025 16:50

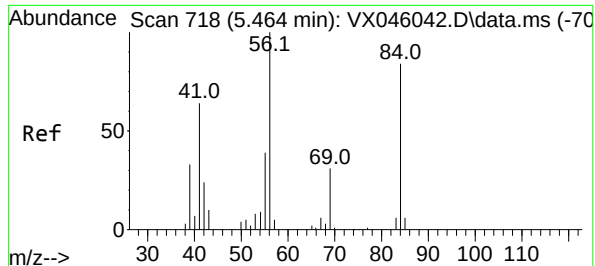
Tgt Ion: 83 Resp: 120782

Ion Ratio Lower Upper

83 100

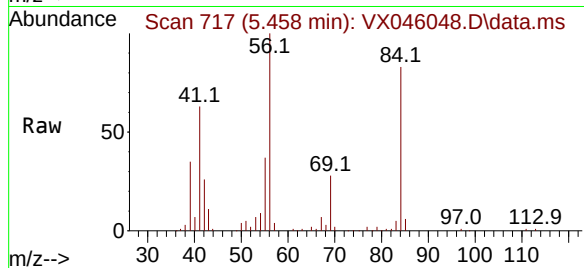
85 63.6 49.3 73.9





#31
Cyclohexane
Concen: 50.147 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

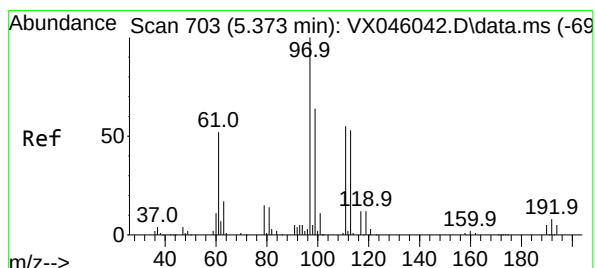
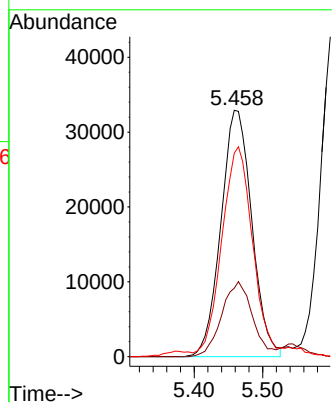
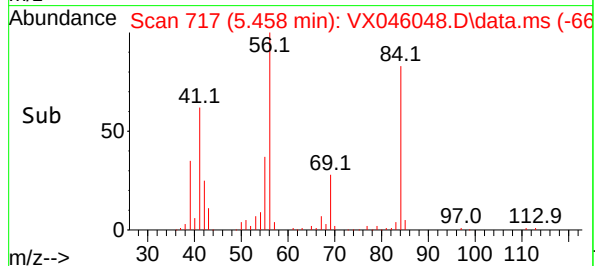
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion: 56 Resp: 103158
Ion Ratio Lower Upper
56 100
69 27.8 24.4 36.6
84 80.5 66.9 100.3

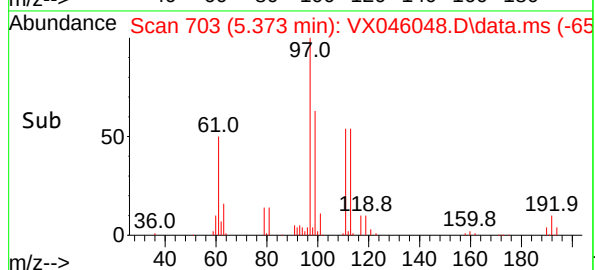
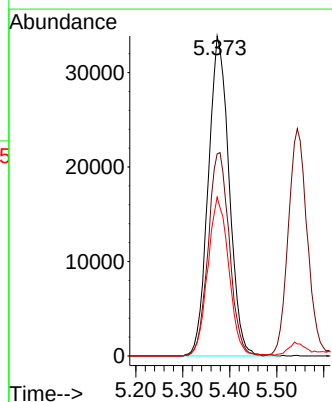
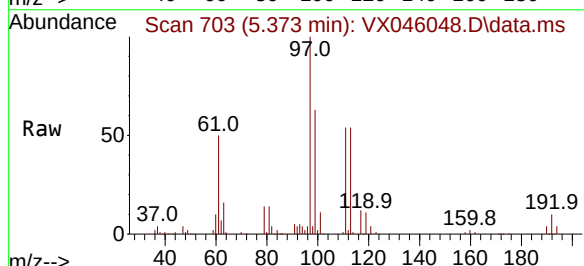
Manual Integrations
APPROVED

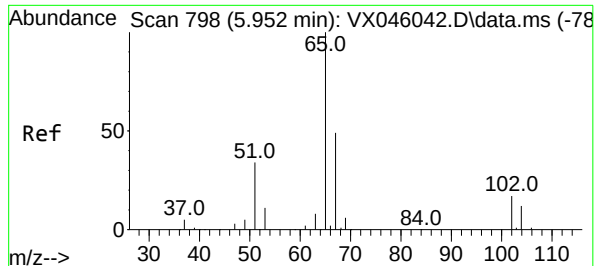
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#32
1,1,1-Trichloroethane
Concen: 51.108 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 97 Resp: 104243
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.6
61 50.2 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 48.509 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050525

Tgt Ion: 65 Resp: 8373

Ion Ratio Lower Upper

65 100

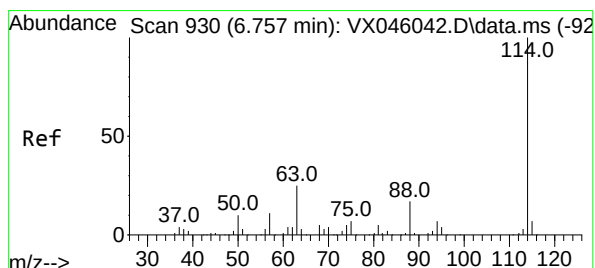
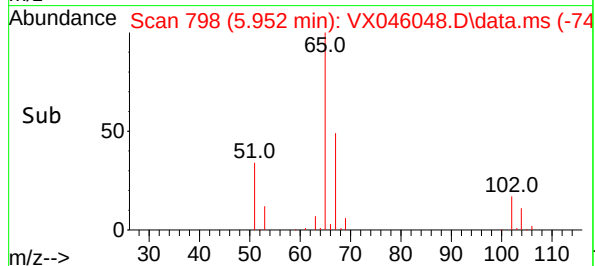
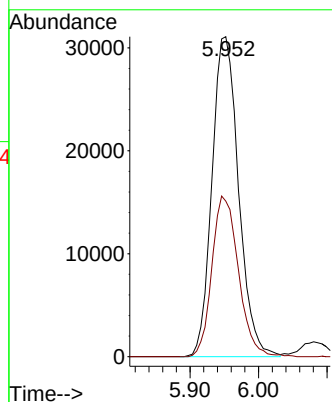
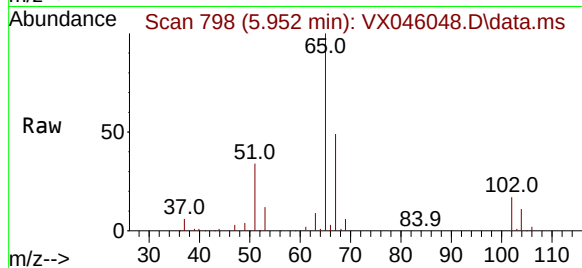
67 50.0 0.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

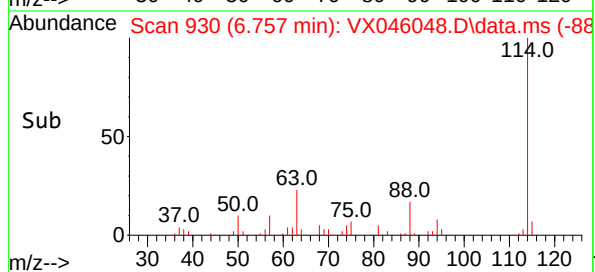
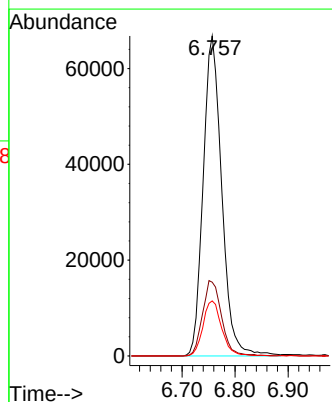
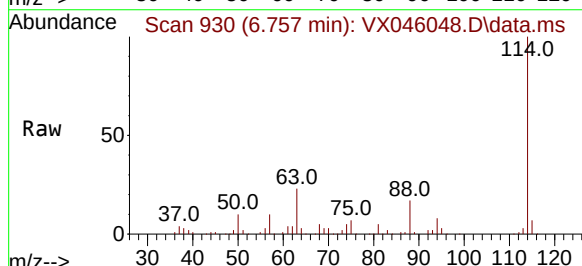
Tgt Ion:114 Resp: 162651

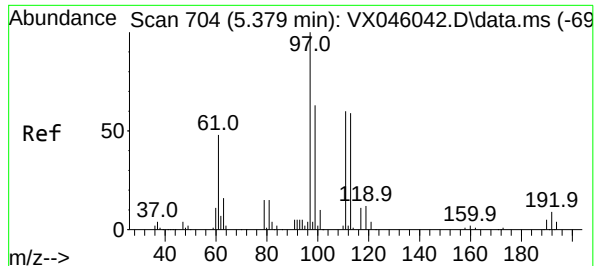
Ion Ratio Lower Upper

114 100

63 23.1 0.0 49.2

88 17.2 0.0 33.6





#35

Dibromofluoromethane

Concen: 49.683 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

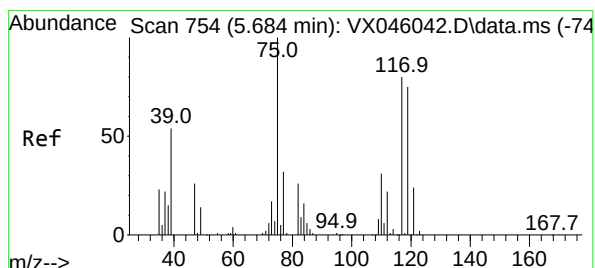
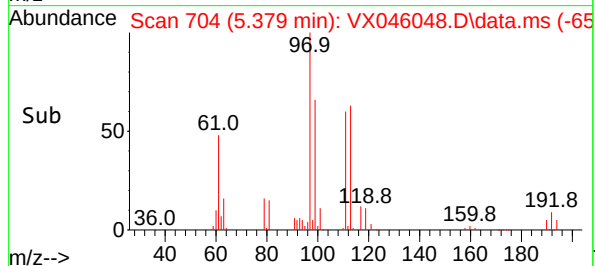
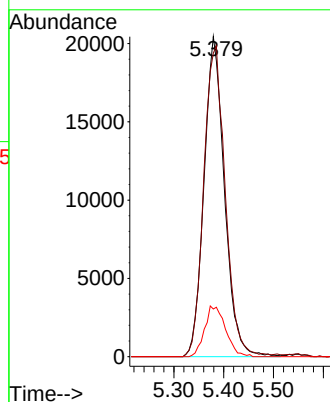
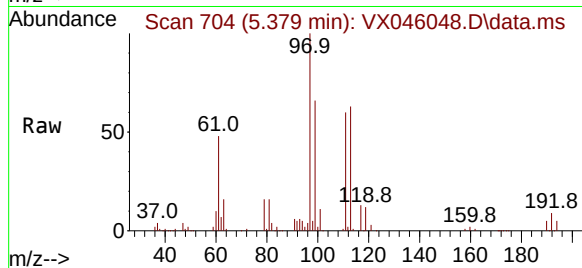
Tgt Ion:	113	Resp:	5819
Ion Ratio	Lower	Upper	
113	100		
111	102.1	83.1	124.7
192	16.2	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#36

1,1-Dichloropropene

Concen: 49.521 ug/l

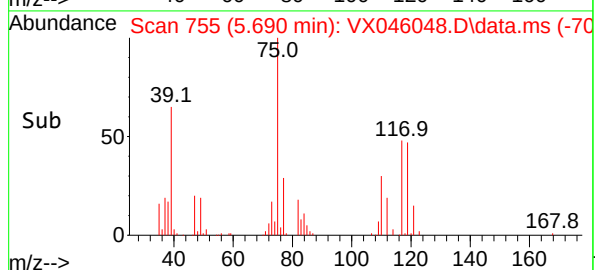
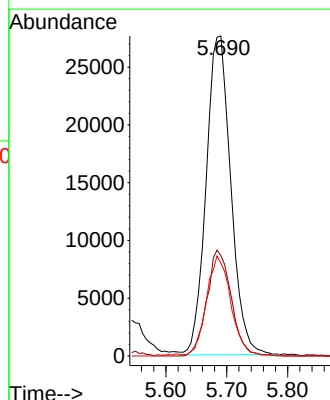
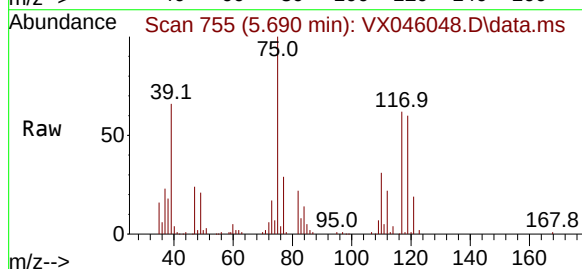
RT: 5.690 min Scan# 755

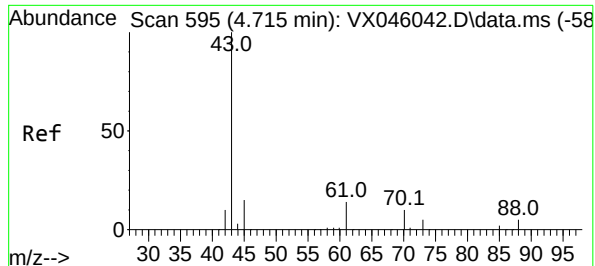
Delta R.T. 0.006 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Tgt Ion:	75	Resp:	77931
Ion Ratio	Lower	Upper	
75	100		
110	32.7	16.3	48.9
77	31.1	24.3	36.5





#37

Ethyl Acetate

Concen: 50.714 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

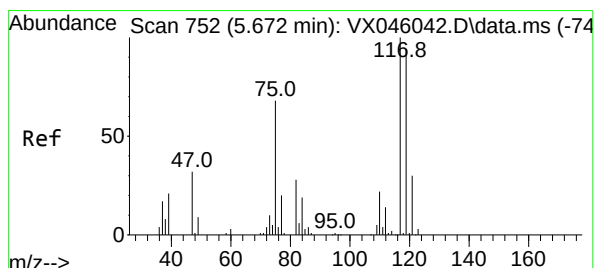
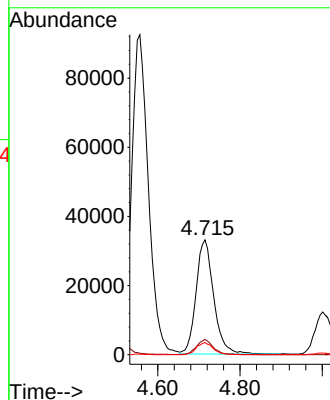
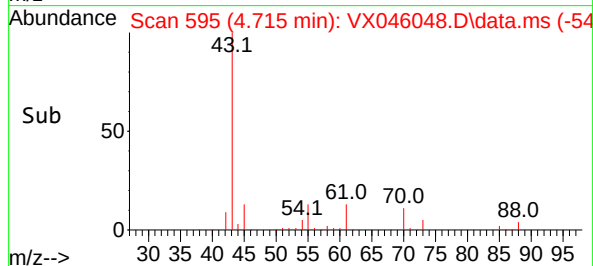
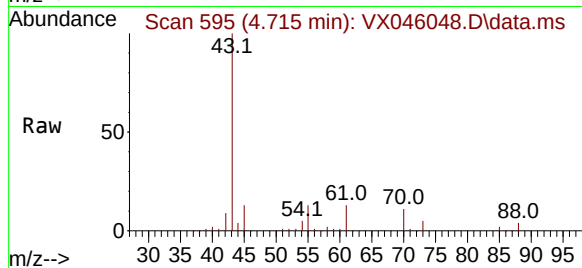
Tgt Ion:	43	Resp:	98604
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.0	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#38

Carbon Tetrachloride

Concen: 49.825 ug/l

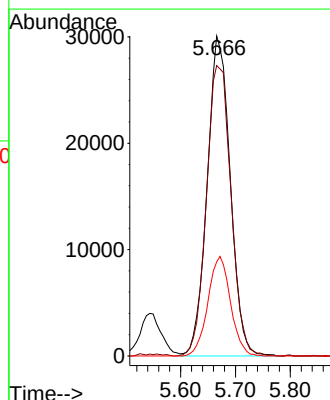
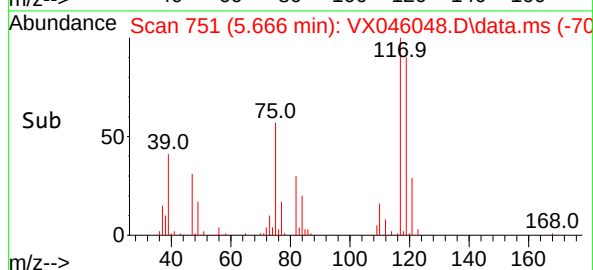
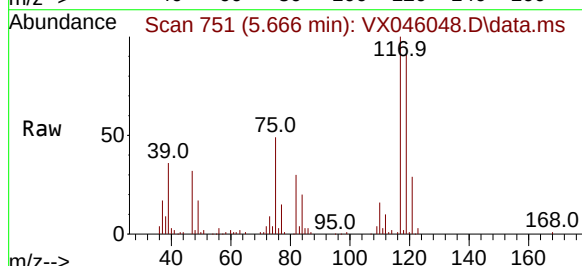
RT: 5.666 min Scan# 751

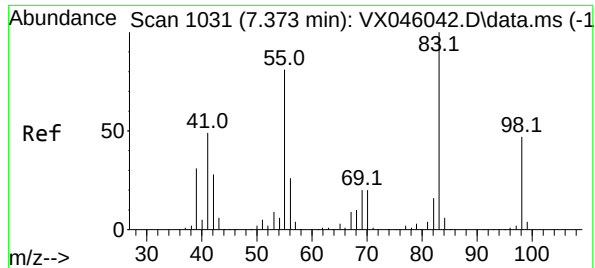
Delta R.T. -0.006 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Tgt Ion:	117	Resp:	88100
Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.2	112.8
121	29.4	24.2	36.4





#39

Methylcyclohexane

Concen: 49.757 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

Tgt Ion: 83 Resp: 100808

Ion Ratio Lower Upper

83 100

55 82.7 64.7 97.1

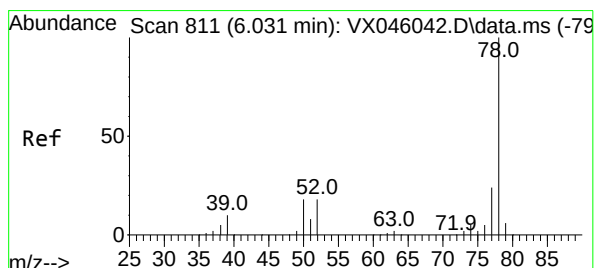
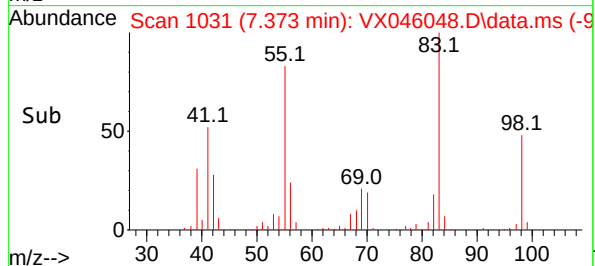
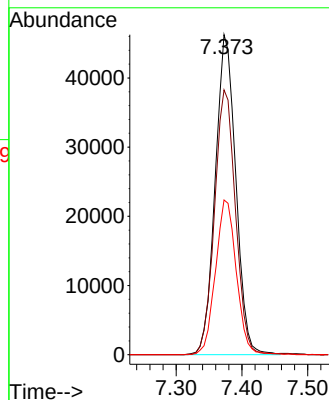
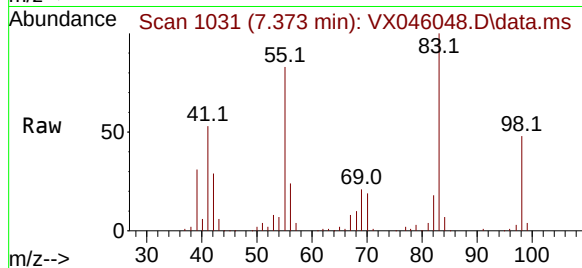
98 48.3 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#40

Benzene

Concen: 50.759 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX046048.D

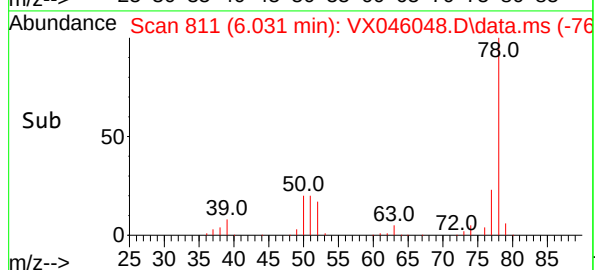
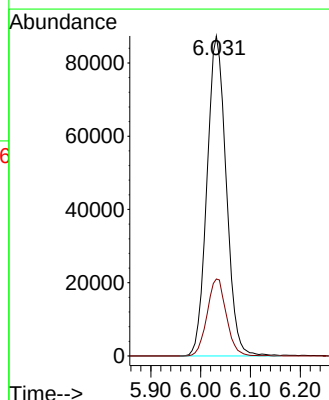
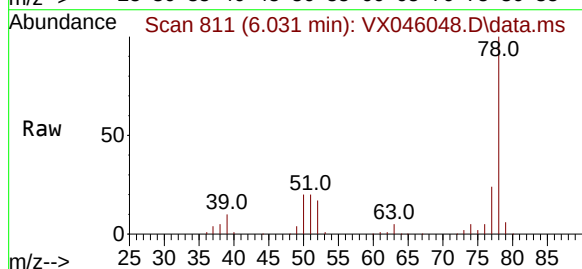
Acq: 05 May 2025 16:50

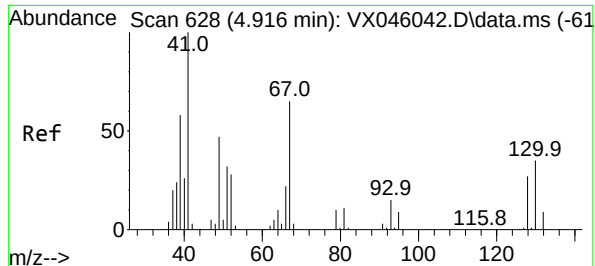
Tgt Ion: 78 Resp: 233977

Ion Ratio Lower Upper

78 100

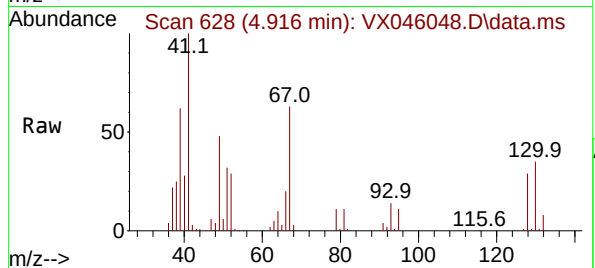
77 24.0 19.0 28.4





#41
Methacrylonitrile
Concen: 55.076 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

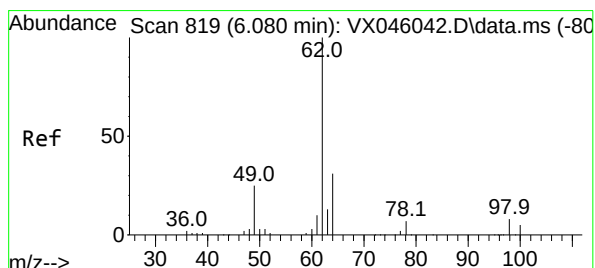
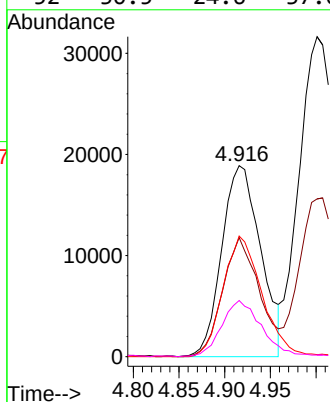
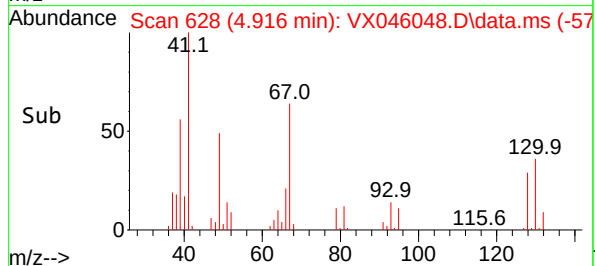
Instrument :
MSVOA_X
ClientSampleId :
ICVX050525



Tgt Ion: 41 Resp: 5601
Ion Ratio Lower Upper
41 100
39 58.7 47.2 70.8
67 63.7 50.7 76.1
52 30.5 24.6 37.0

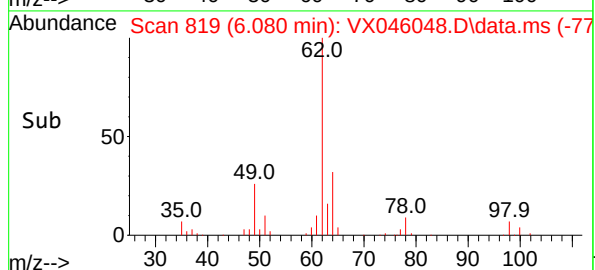
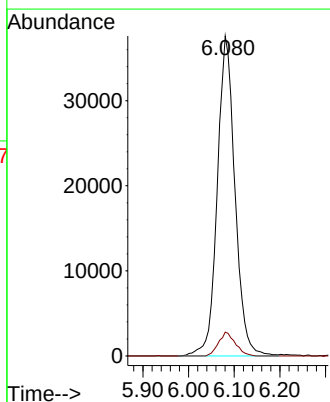
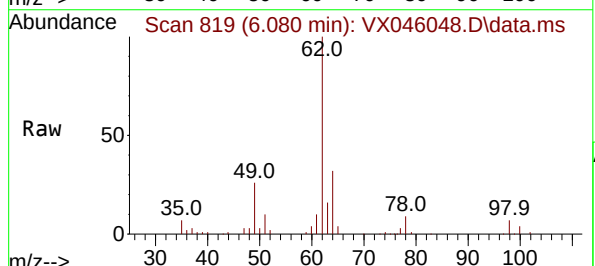
Manual Integrations
APPROVED

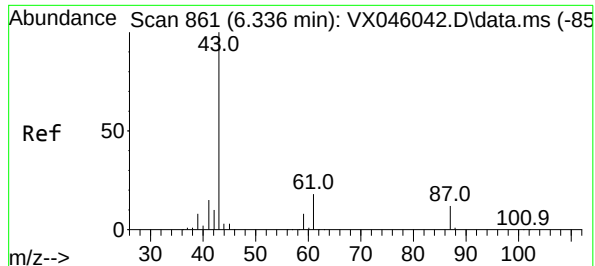
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#42
1,2-Dichloroethane
Concen: 50.861 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 101185
Ion Ratio Lower Upper
62 100
98 7.1 0.0 15.2





#43

Isopropyl Acetate

Concen: 52.195 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

Tgt Ion: 43 Resp: 154818

Ion Ratio Lower Upper

43 100

61 17.9 14.3 21.5

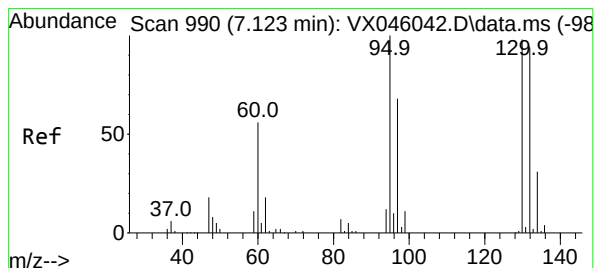
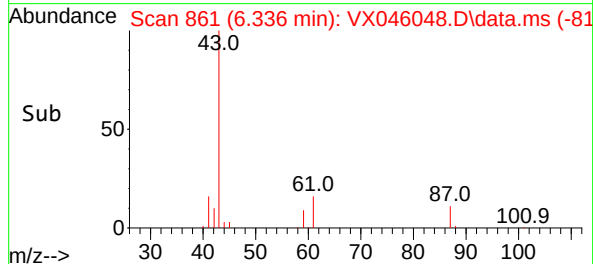
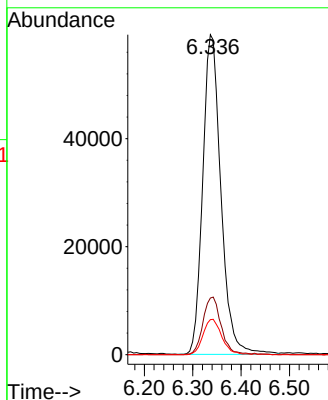
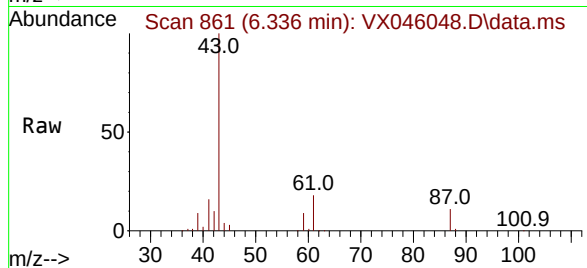
87 11.4 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#44

Trichloroethene

Concen: 50.018 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX046048.D

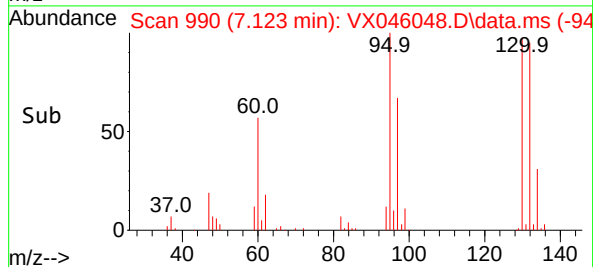
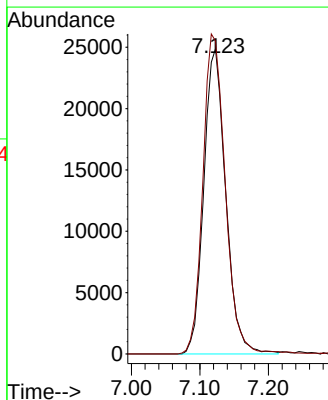
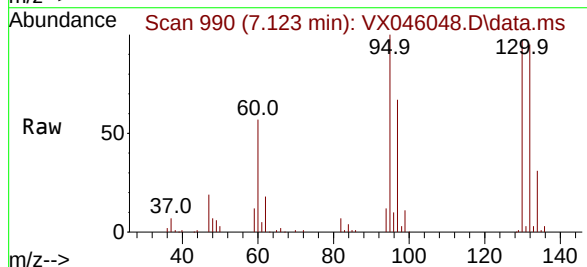
Acq: 05 May 2025 16:50

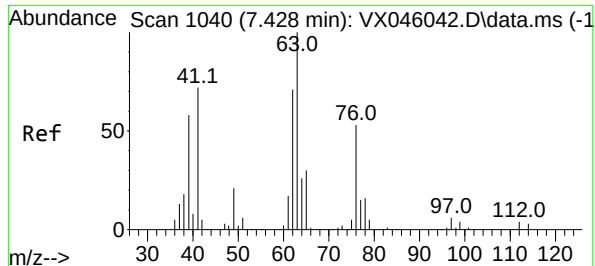
Tgt Ion:130 Resp: 55491

Ion Ratio Lower Upper

130 100

95 102.6 0.0 204.2





#45

1,2-Dichloropropane

Concen: 51.983 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

Tgt Ion: 63 Resp: 5958

Ion Ratio Lower Upper

63 100

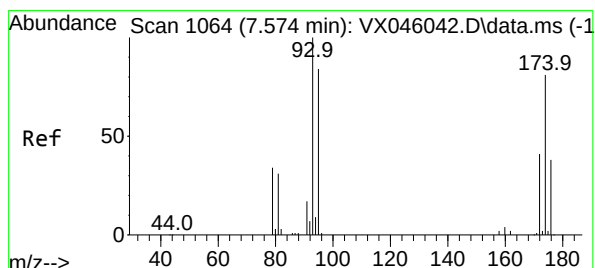
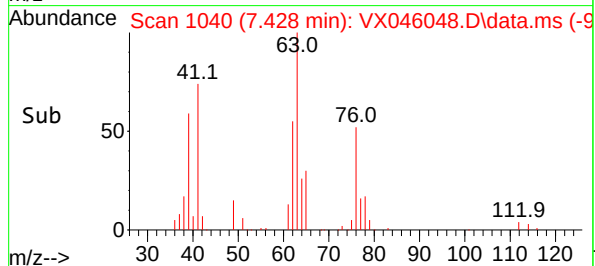
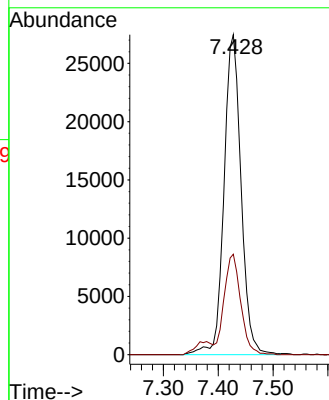
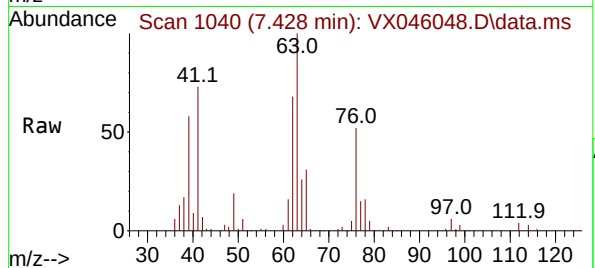
65 31.4 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#46

Dibromomethane

Concen: 49.978 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

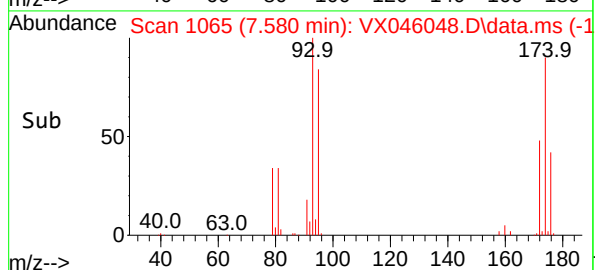
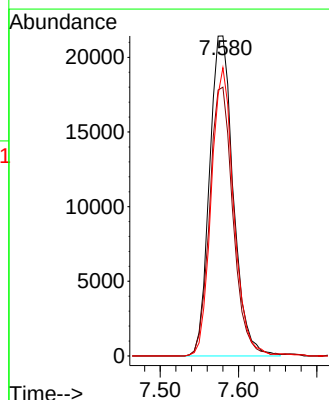
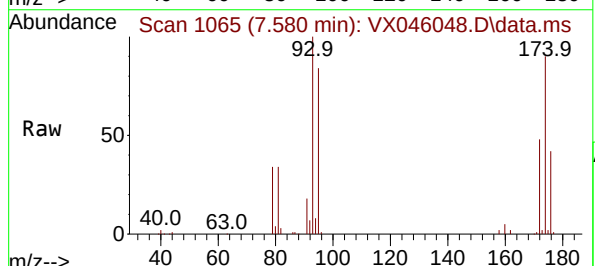
Tgt Ion: 93 Resp: 45181

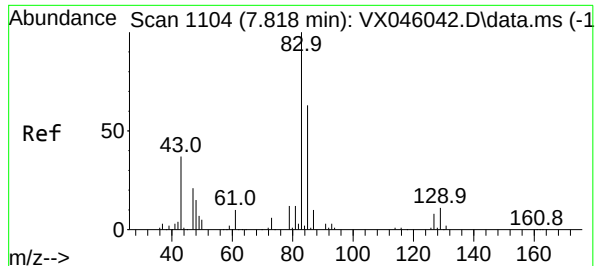
Ion Ratio Lower Upper

93 100

95 83.0 65.6 98.4

174 84.8 68.2 102.2





#47

Bromodichloromethane

Concen: 51.889 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

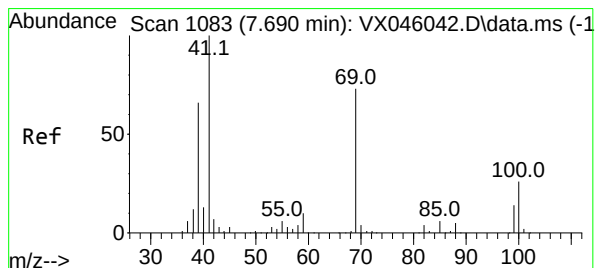
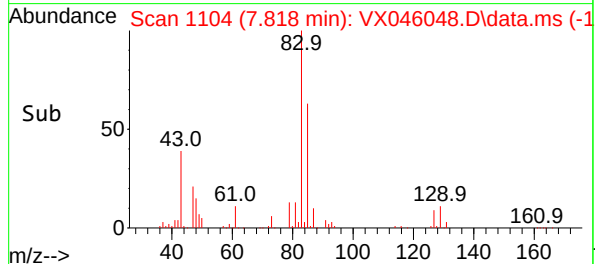
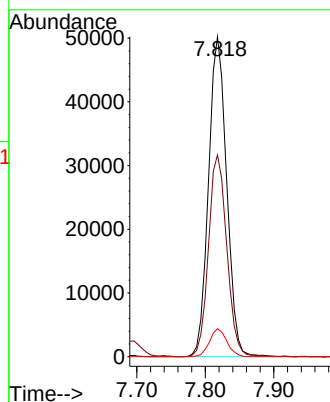
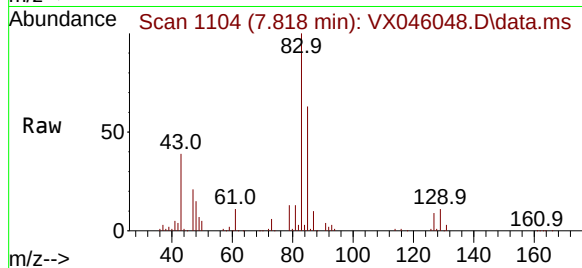
Tgt Ion:	83	Resp:	9238
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	8.8	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#48

Methyl methacrylate

Concen: 54.226 ug/l

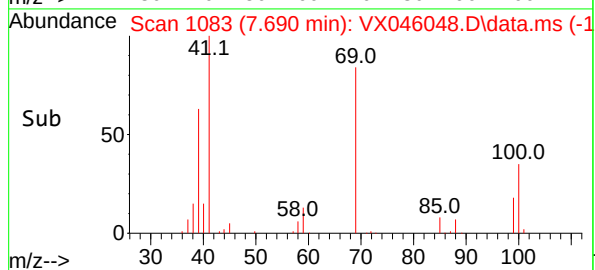
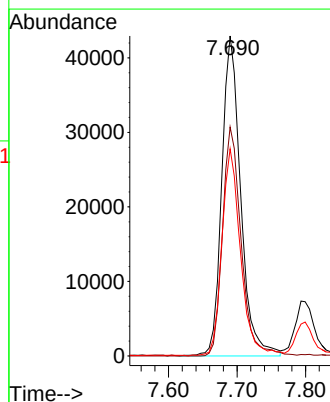
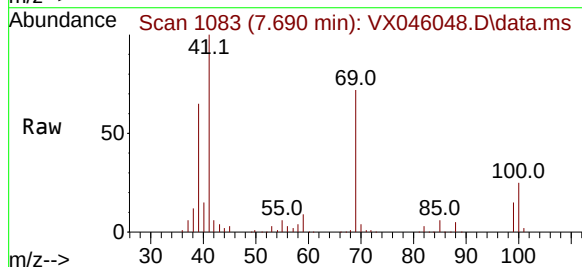
RT: 7.690 min Scan# 1083

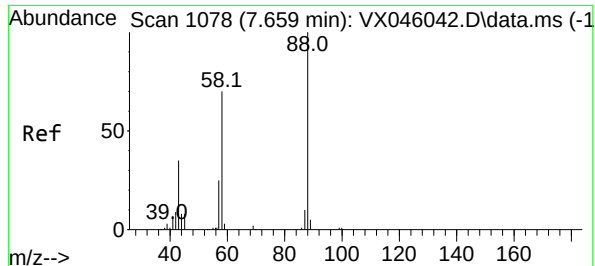
Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Tgt Ion:	41	Resp:	82144
Ion	Ratio	Lower	Upper
41	100		
69	70.4	58.5	87.7
39	64.2	51.7	77.5





#49

1,4-Dioxane

Concen: 1059.599 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050525

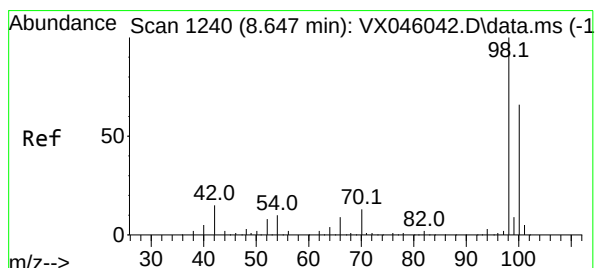
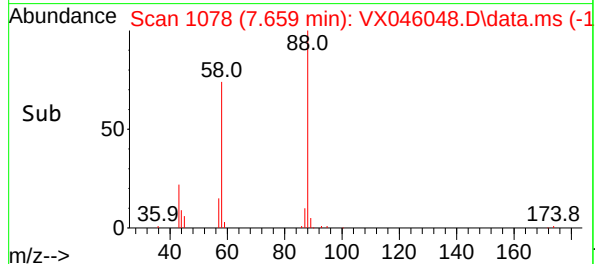
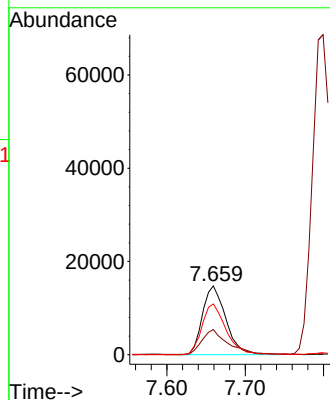
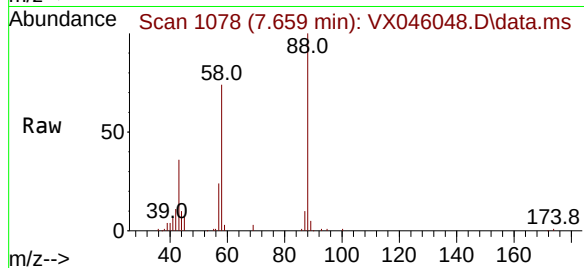
Tgt Ion:	88	Resp:	3047
Ion	Ratio	Lower	Upper
88	100		
43	39.9	33.4	50.2
58	76.2	58.6	88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#50

Toluene-d8

Concen: 48.984 ug/l

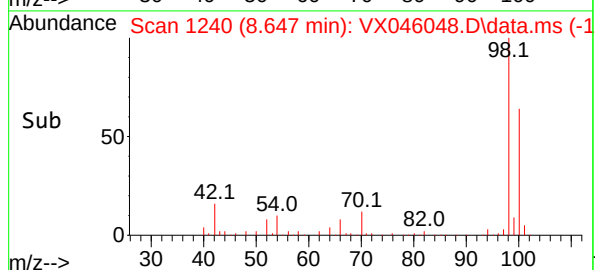
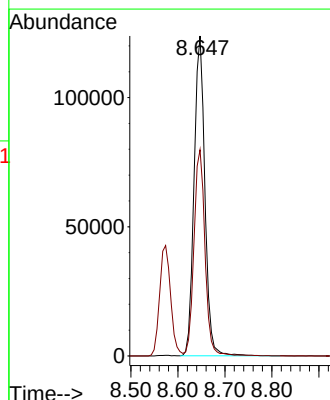
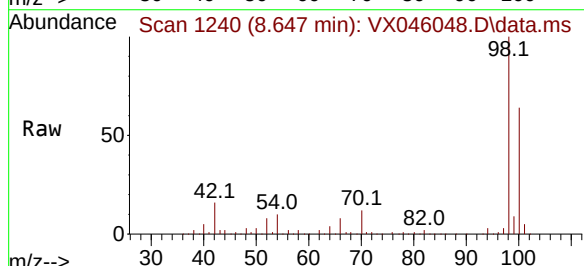
RT: 8.647 min Scan# 1240

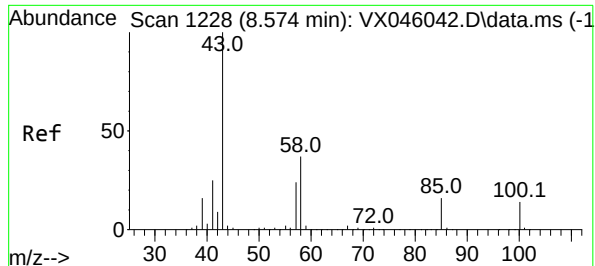
Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Tgt Ion:	98	Resp:	198575
Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.5	80.3





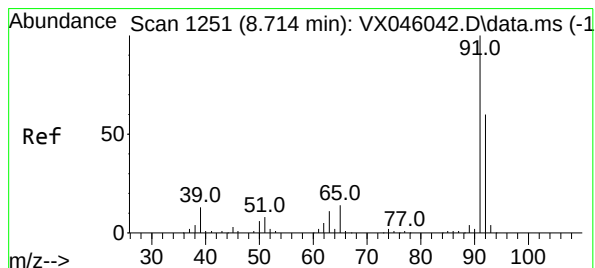
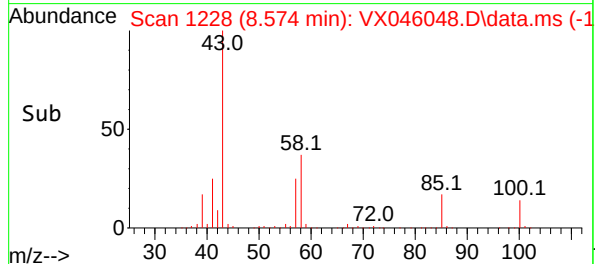
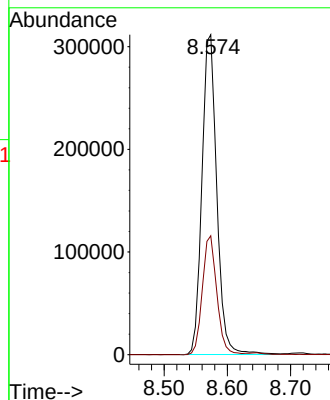
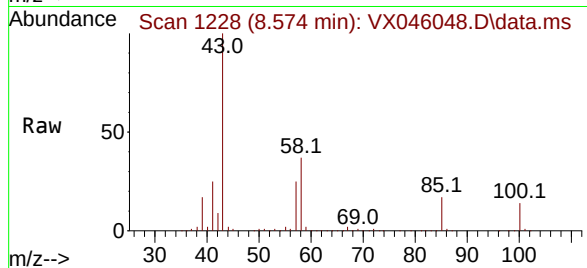
#51
4-Methyl-2-Pentanone
Concen: 259.133 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 43 Resp: 510200
Ion Ratio Lower Upper
43 100
58 36.1 28.9 43.3

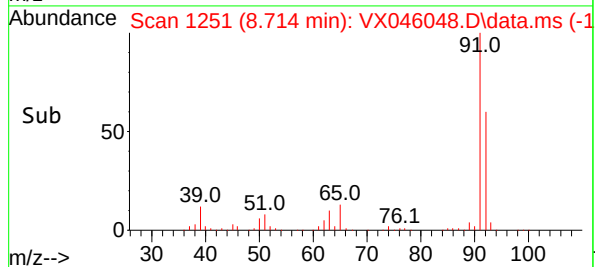
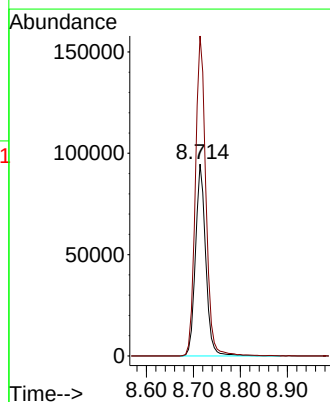
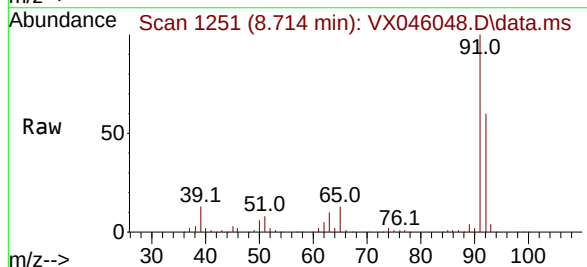
Manual Integrations
APPROVED

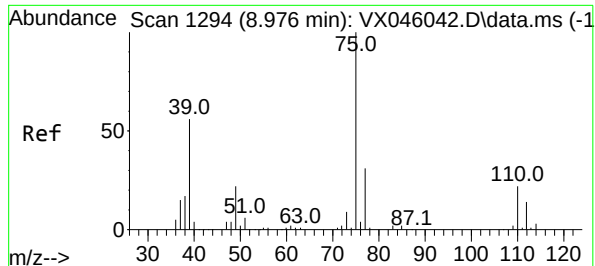
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#52
Toluene
Concen: 51.150 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 92 Resp: 144574
Ion Ratio Lower Upper
92 100
91 171.4 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 52.920 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050525

Tgt Ion: 75 Resp: 8375

Ion Ratio Lower Upper

75 100

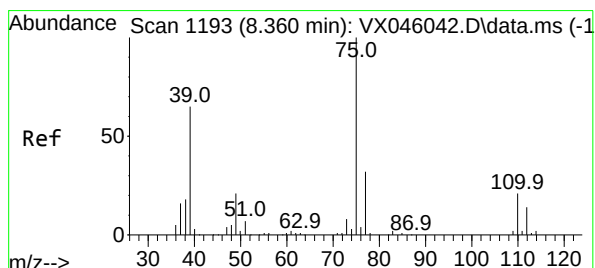
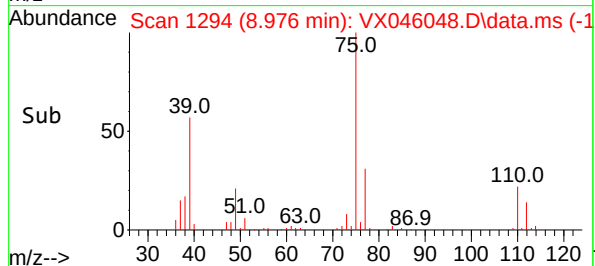
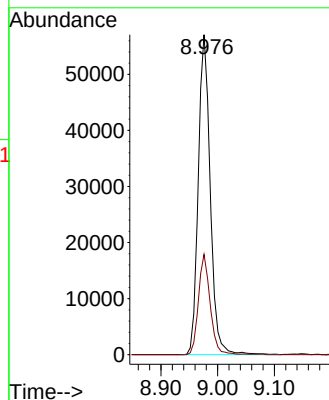
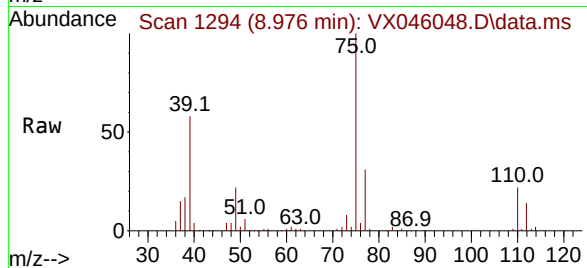
77 31.3 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#54

cis-1,3-Dichloropropene

Concen: 52.892 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

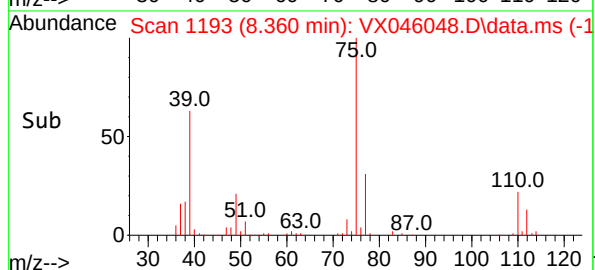
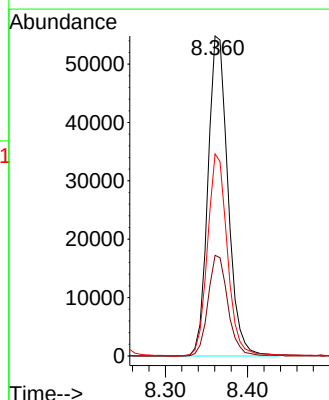
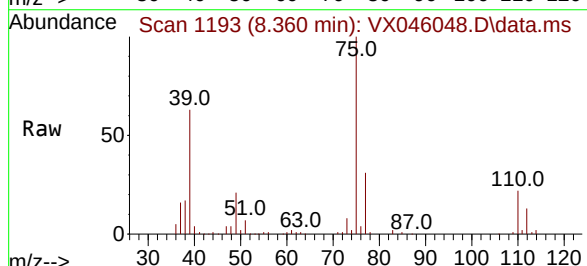
Tgt Ion: 75 Resp: 92517

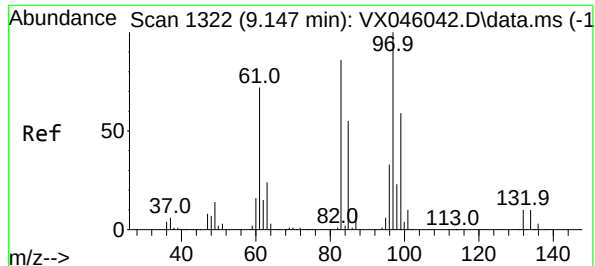
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 63.2 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 50.887 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

Tgt Ion: 97 Resp: 5671

Ion Ratio Lower Upper

97 100

83 89.8 69.0 103.6

85 58.4 44.3 66.5

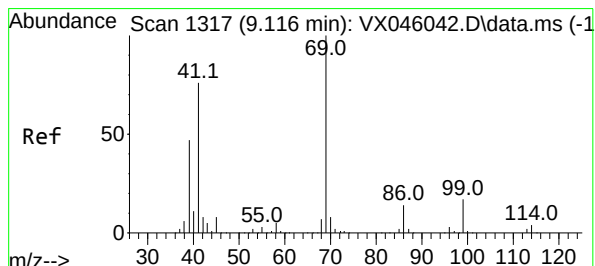
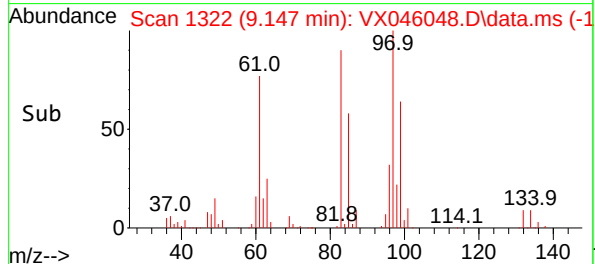
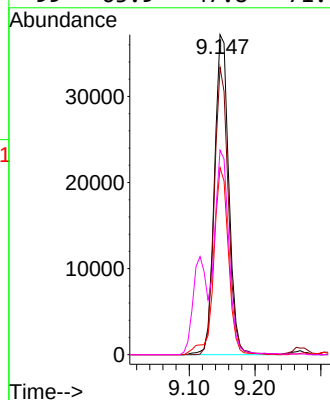
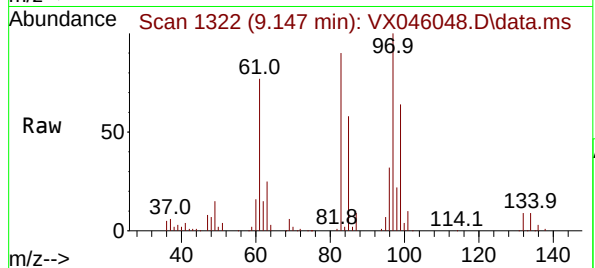
99 63.9 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#56

Ethyl methacrylate

Concen: 53.918 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

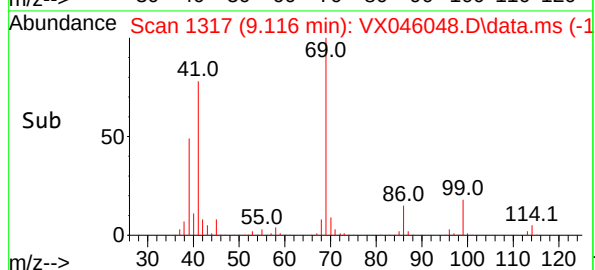
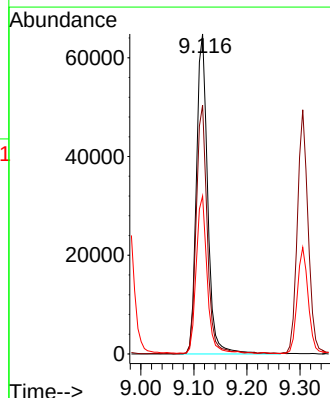
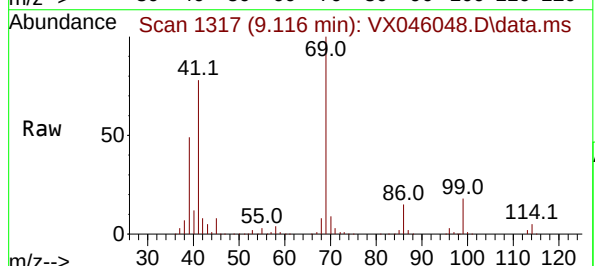
Tgt Ion: 69 Resp: 95772

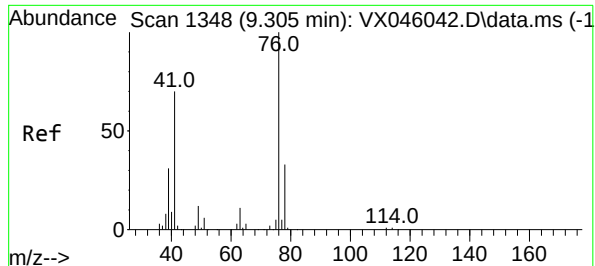
Ion Ratio Lower Upper

69 100

41 76.1 60.8 91.2

39 47.4 39.0 58.6





#57

1,3-Dichloropropane

Concen: 49.793 ug/l

RT: 9.305 min Scan# 11348

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

Tgt Ion: 76 Resp: 9966

Ion Ratio Lower Upper

76 100

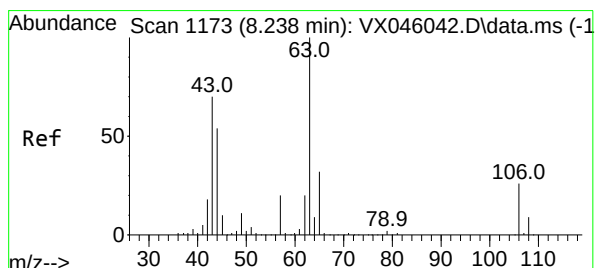
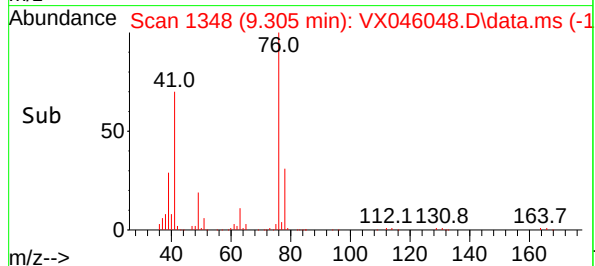
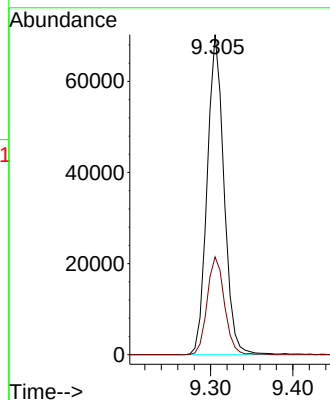
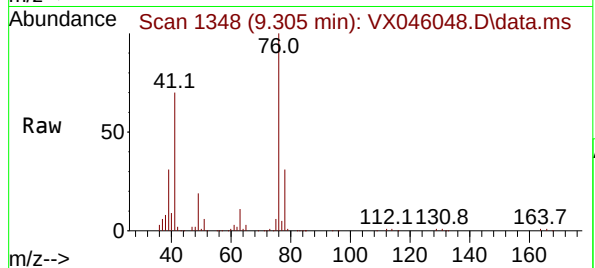
78 31.4 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#58

2-Chloroethyl Vinyl ether

Concen: 265.780 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX046048.D

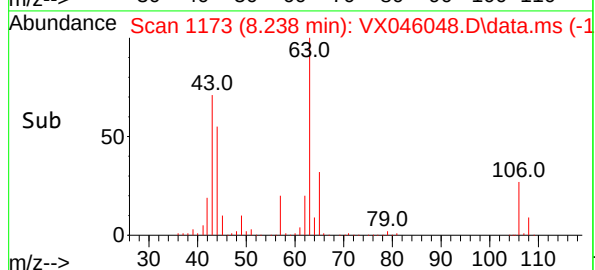
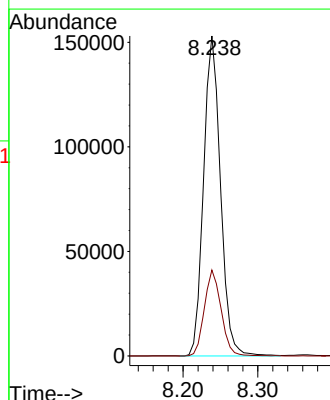
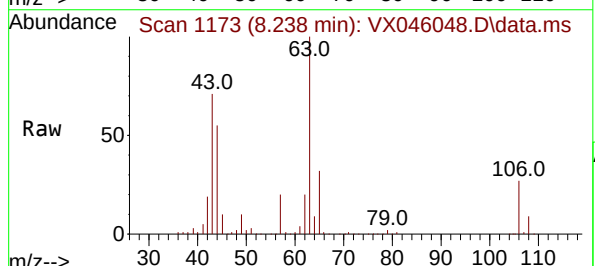
Acq: 05 May 2025 16:50

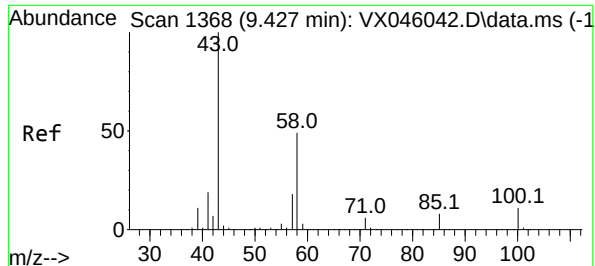
Tgt Ion: 63 Resp: 240681

Ion Ratio Lower Upper

63 100

106 26.6 21.5 32.3





#59

2-Hexanone

Concen: 268.218 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050525

Tgt Ion: 43 Resp: 39070

Ion Ratio Lower Upper

43 100

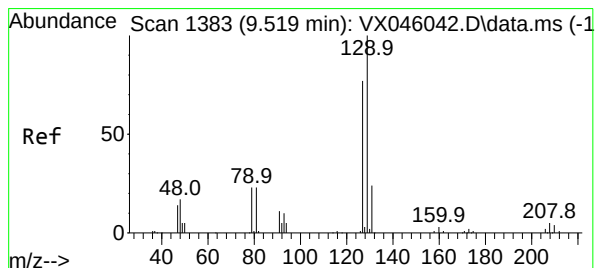
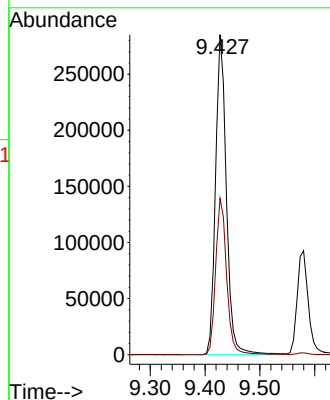
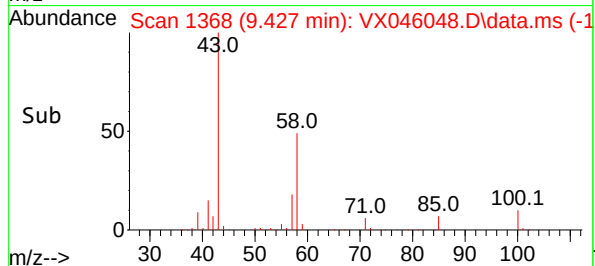
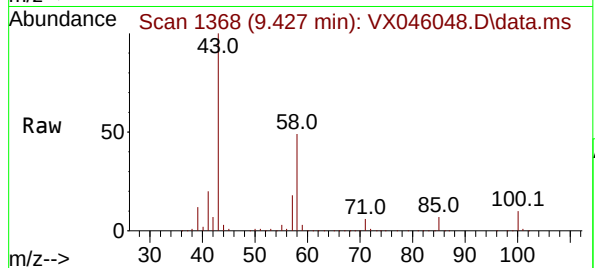
58 49.6 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#60

Dibromochloromethane

Concen: 52.075 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX046048.D

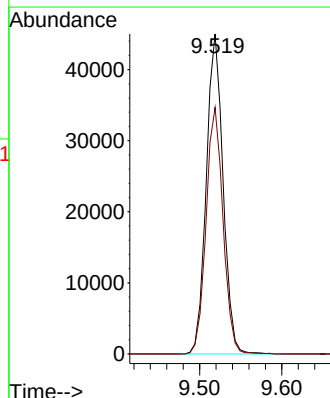
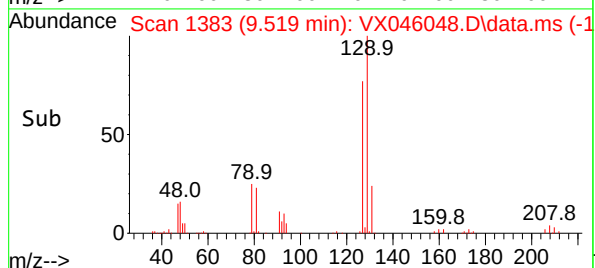
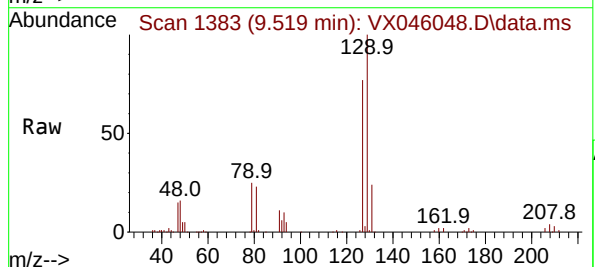
Acq: 05 May 2025 16:50

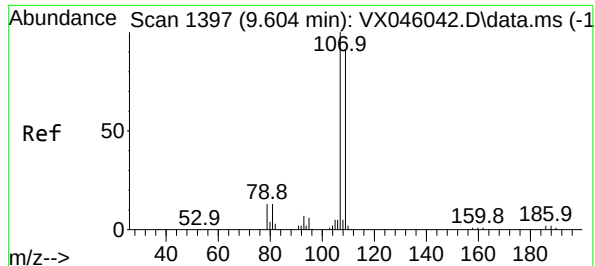
Tgt Ion:129 Resp: 63738

Ion Ratio Lower Upper

129 100

127 77.9 39.3 117.8





#61

1,2-Dibromoethane

Concen: 51.050 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

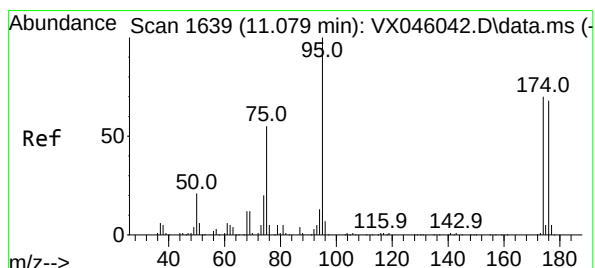
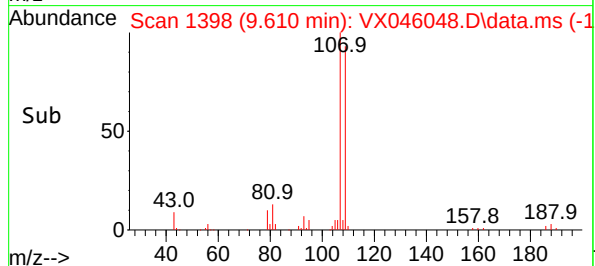
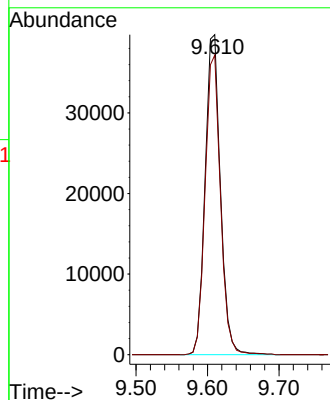
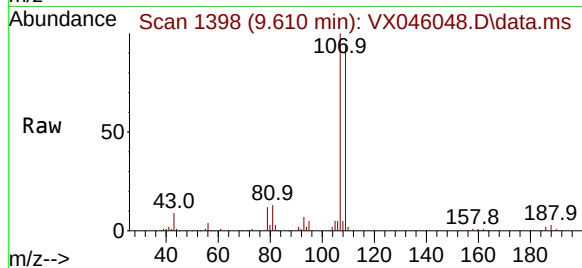
Tgt Ion:	107	Resp:	59134
Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.3	109.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#62

4-Bromofluorobenzene

Concen: 48.596 ug/l

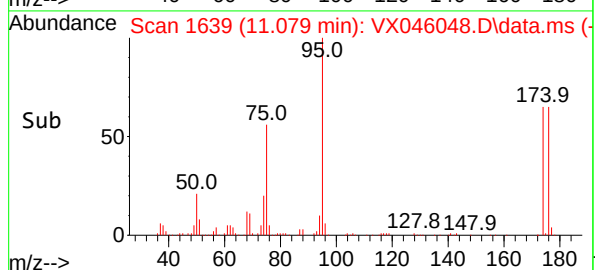
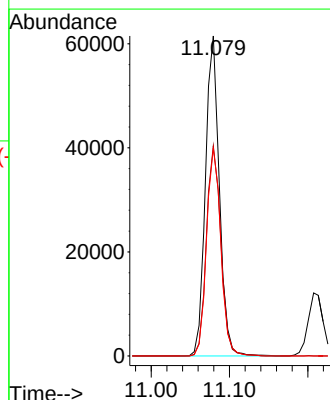
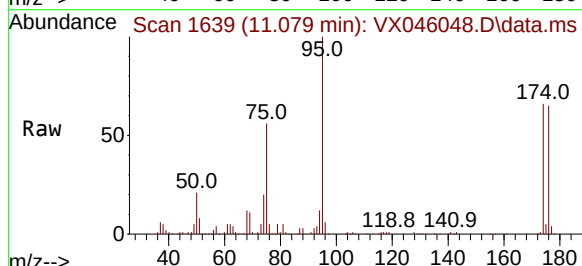
RT: 11.079 min Scan# 1639

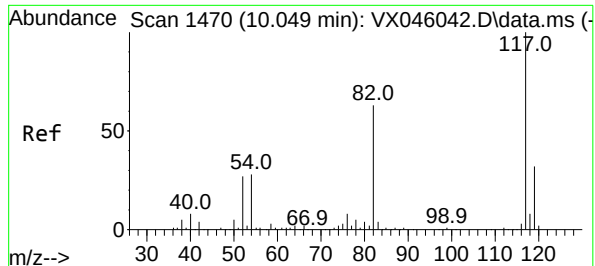
Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

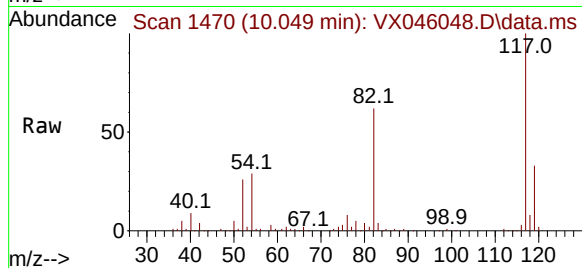
Tgt Ion:	95	Resp:	75568
Ion	Ratio	Lower	Upper
95	100		
174	68.2	0.0	135.8
176	66.5	0.0	131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

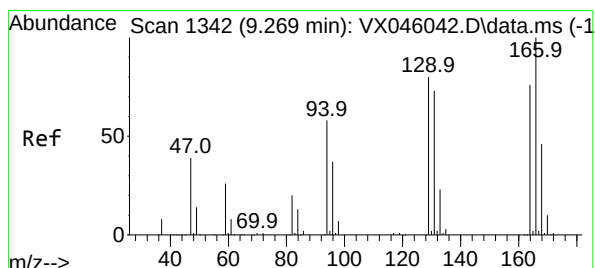
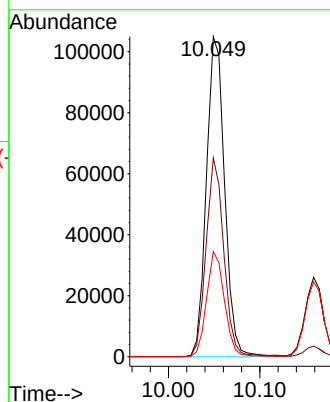
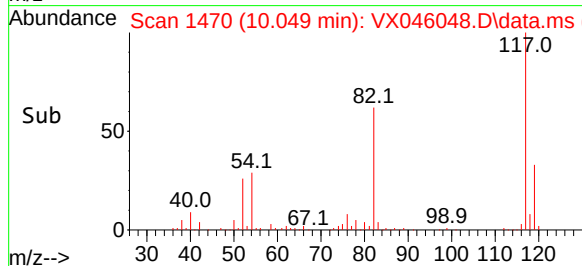
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion:117 Resp: 145078
Ion Ratio Lower Upper
117 100
82 62.1 50.6 76.0
119 32.9 25.8 38.6

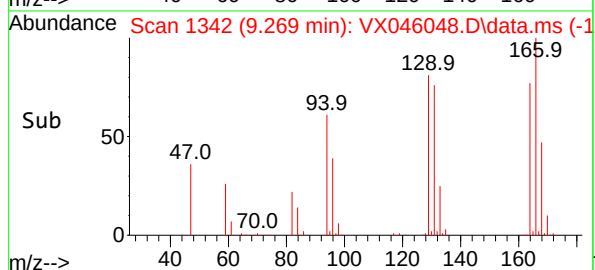
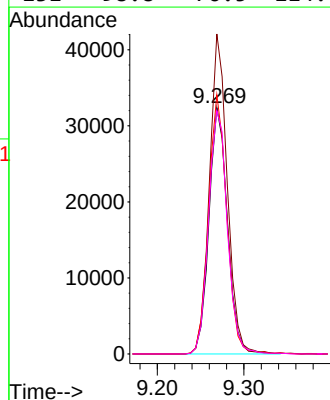
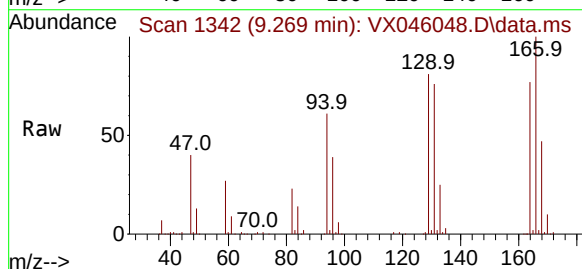
Manual Integrations
APPROVED

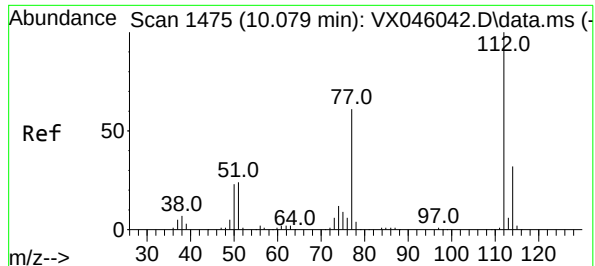
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#64
Tetrachloroethene
Concen: 46.795 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

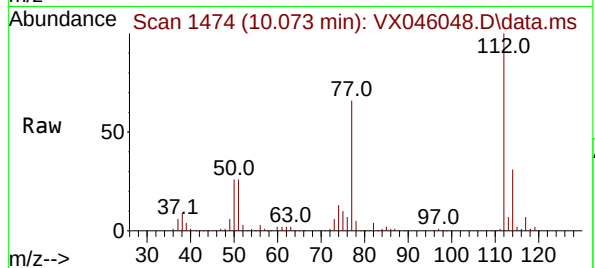
Tgt Ion:164 Resp: 48034
Ion Ratio Lower Upper
164 100
166 129.9 105.0 157.6
129 105.3 83.5 125.3
131 98.8 76.5 114.7





#65
Chlorobenzene
Concen: 48.699 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

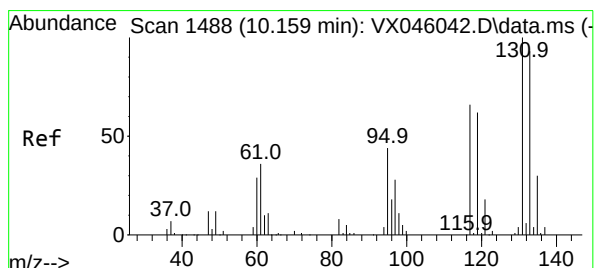
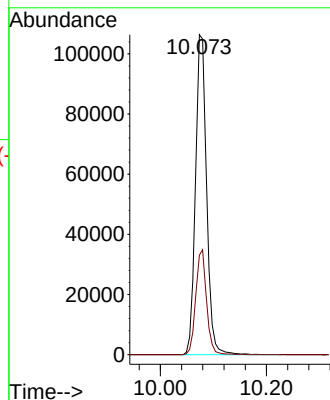
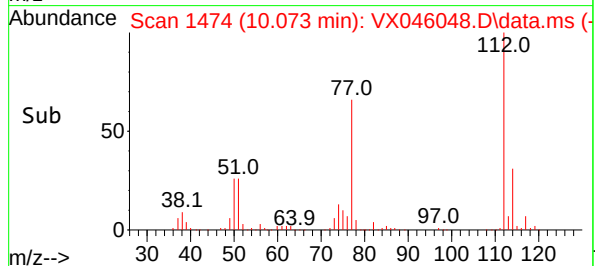
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion:112 Resp: 154640
Ion Ratio Lower Upper
112 100
114 31.1 25.4 38.2

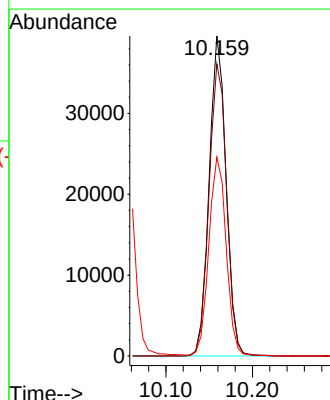
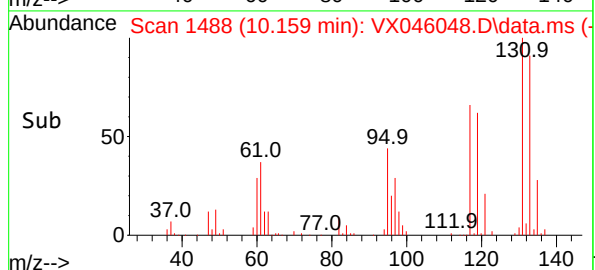
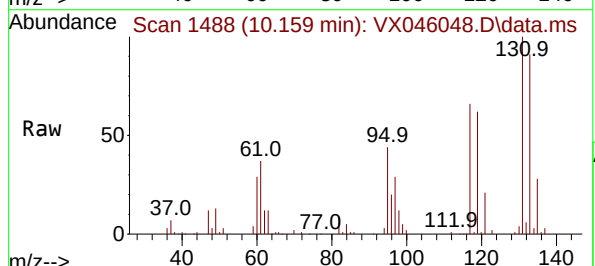
Manual Integrations
APPROVED

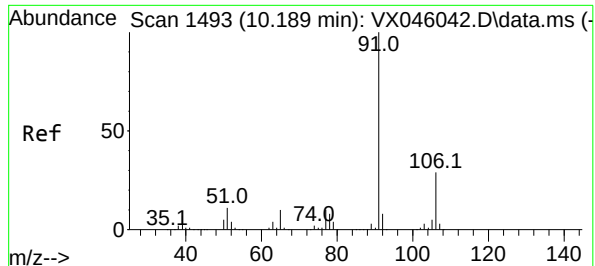
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 49.557 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:131 Resp: 53735
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.9
119 63.7 31.6 95.0





#67

Ethyl Benzene

Concen: 50.245 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050525

Tgt Ion: 91 Resp: 281239

Ion Ratio Lower Upper

91 100

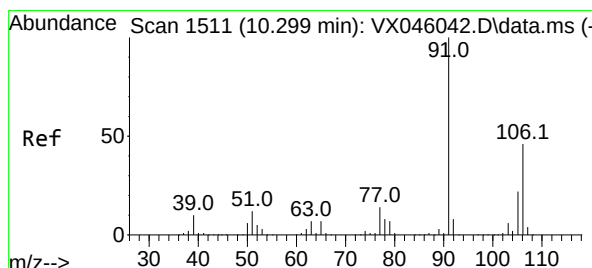
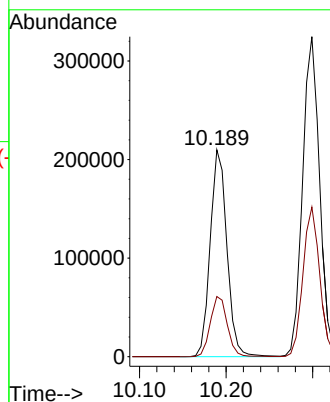
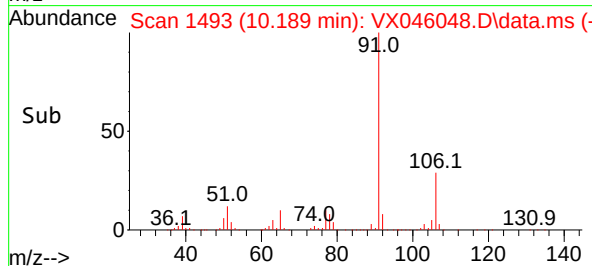
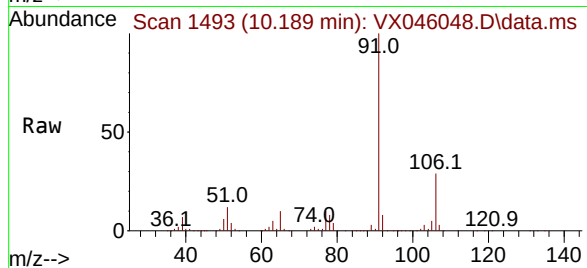
106 29.1 23.4 35.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#68

m/p-Xylenes

Concen: 101.022 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX046048.D

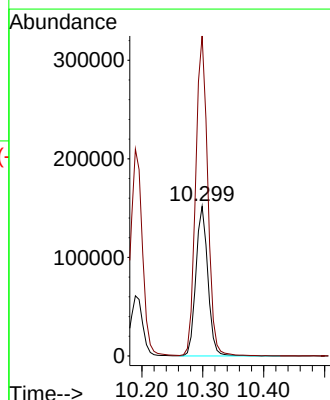
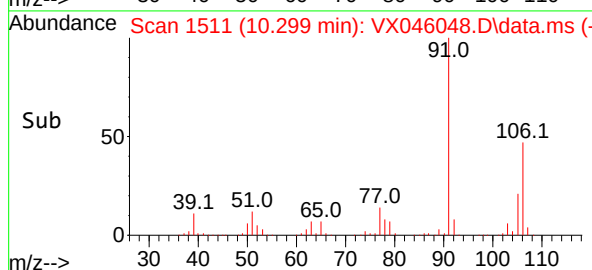
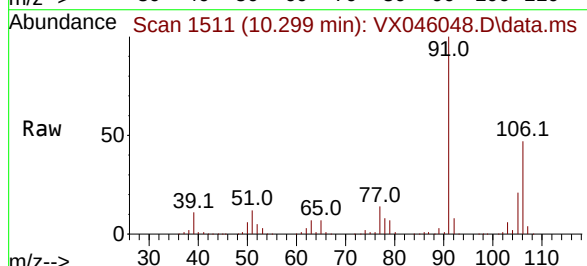
Acq: 05 May 2025 16:50

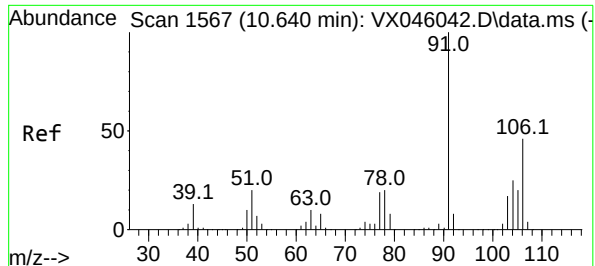
Tgt Ion:106 Resp: 206813

Ion Ratio Lower Upper

106 100

91 215.6 171.2 256.8





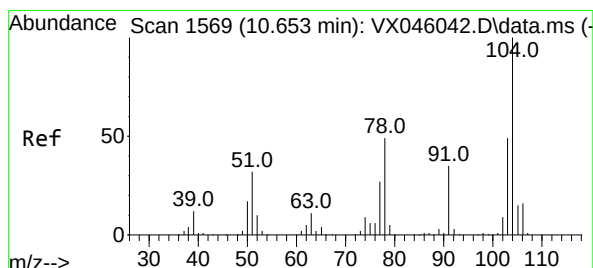
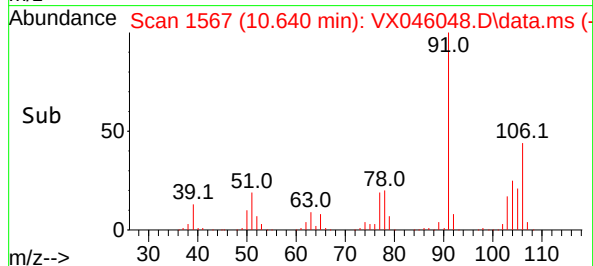
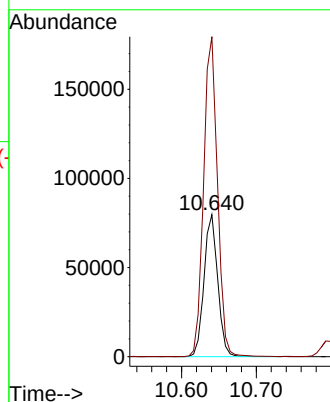
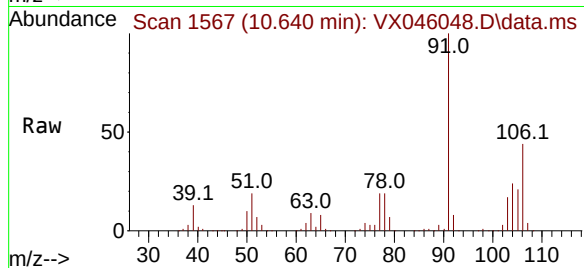
#69
o-Xylene
Concen: 50.841 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:106 Resp: 101469
Ion Ratio Lower Upper
106 100
91 227.7 112.7 338.1

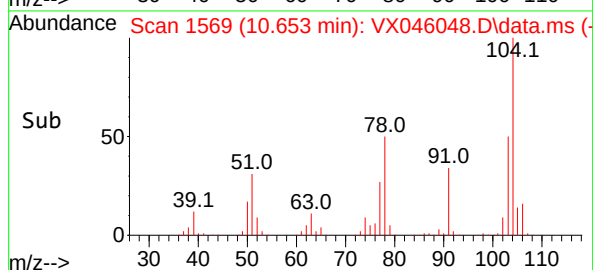
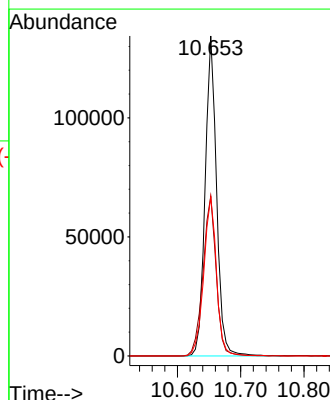
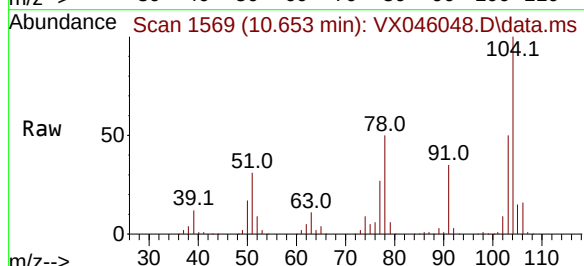
Manual Integrations
APPROVED

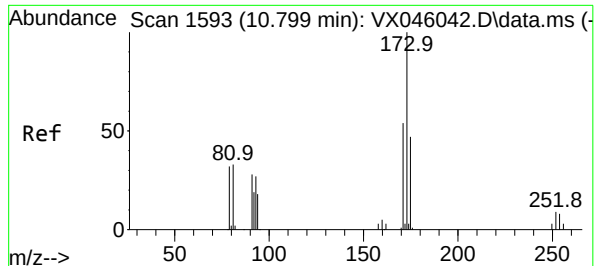
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#70
Styrene
Concen: 51.907 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

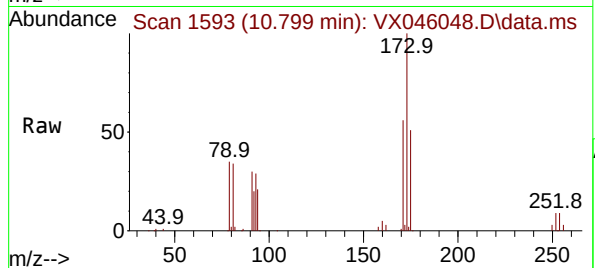
Tgt Ion:104 Resp: 169703
Ion Ratio Lower Upper
104 100
78 57.6 45.7 68.5
103 55.5 43.7 65.5





#71
Bromoform
Concen: 49.583 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

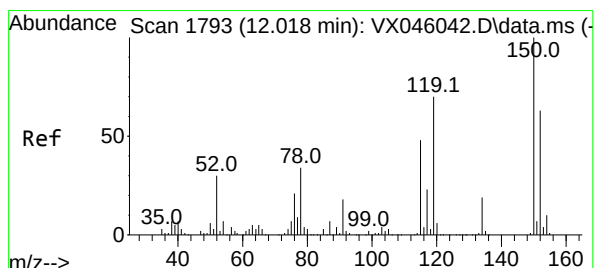
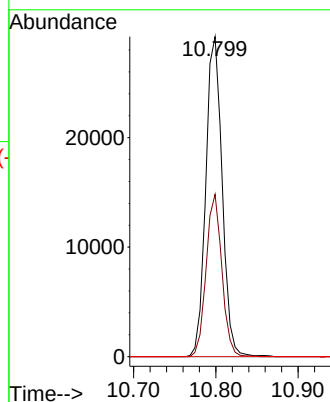
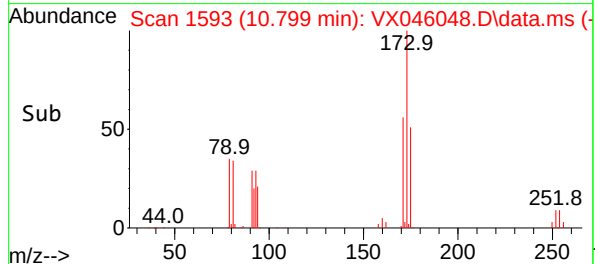
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion:173 Resp: 40364
Ion Ratio Lower Upper
173 100
175 48.8 23.4 70.0
254 0.0 0.0 0.0

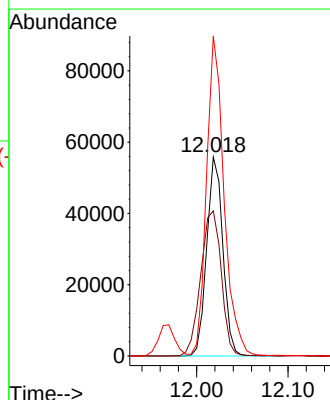
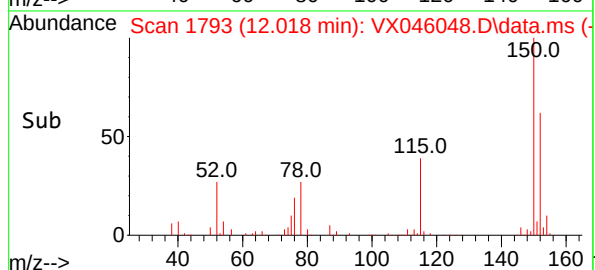
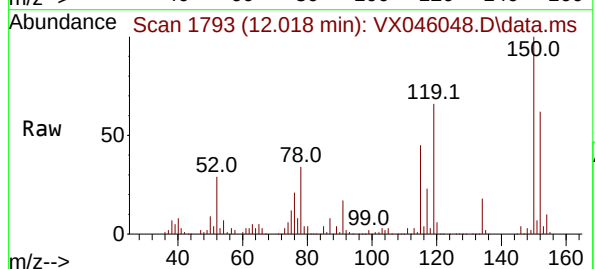
Manual Integrations
APPROVED

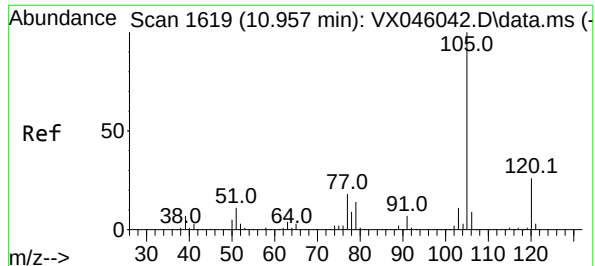
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

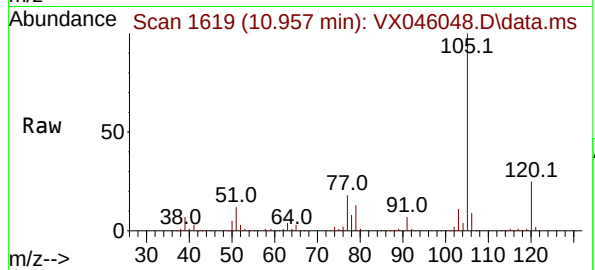
Tgt Ion:152 Resp: 68229
Ion Ratio Lower Upper
152 100
115 93.3 46.9 140.7
150 175.3 0.0 351.0





#73
Isopropylbenzene
Concen: 50.733 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

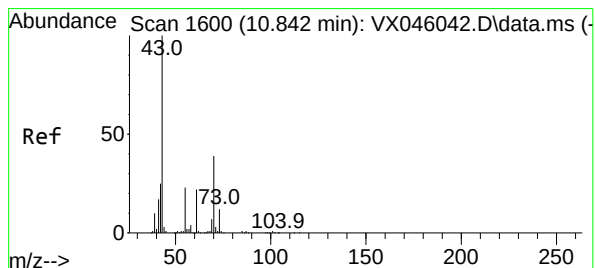
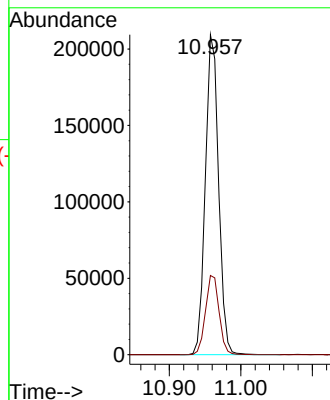
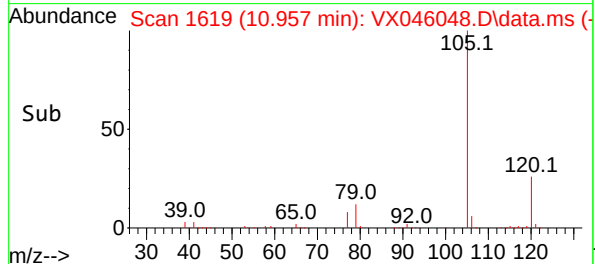
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion:105 Resp: 269484
Ion Ratio Lower Upper
105 100
120 25.4 12.8 38.4

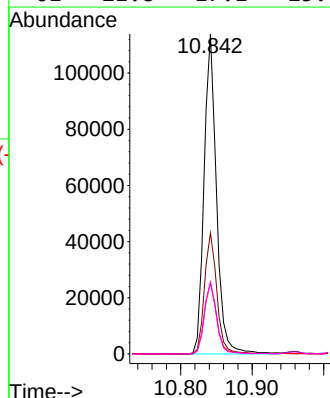
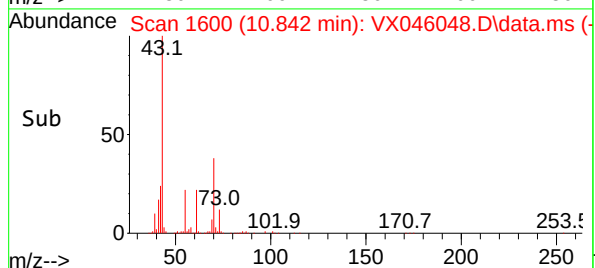
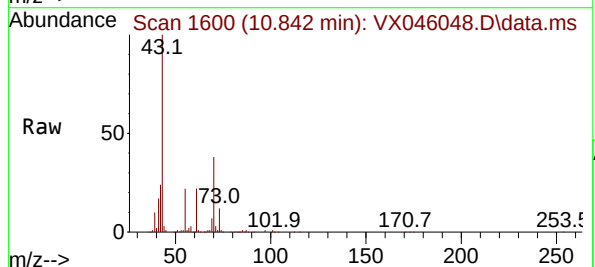
Manual Integrations
APPROVED

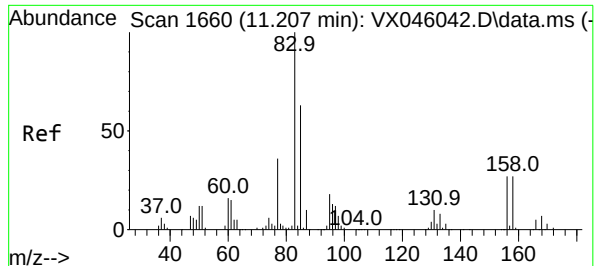
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#74
N-ethyl acetate
Concen: 52.407 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 137559
Ion Ratio Lower Upper
43 100
70 37.9 30.9 46.3
55 22.7 18.7 28.1
61 21.8 17.1 25.7





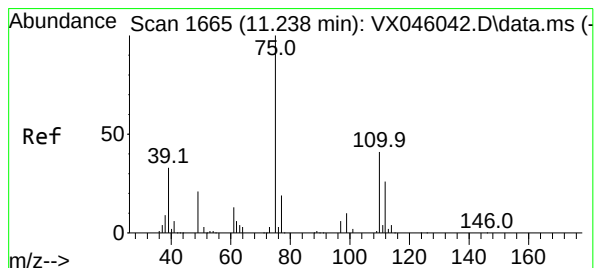
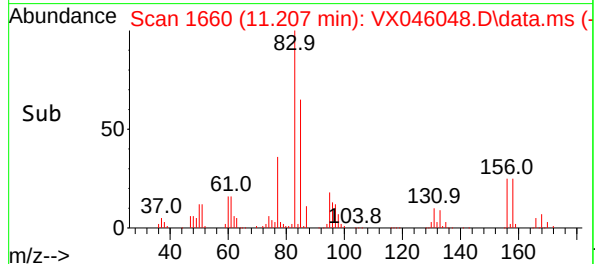
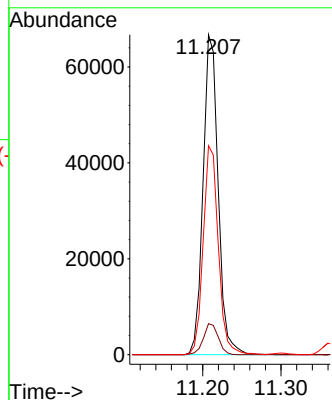
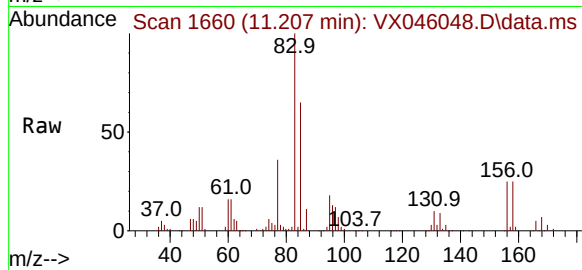
#75
1,1,2,2-Tetrachloroethane
Concen: 47.827 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVX050525

Tgt Ion: 83 Resp: 8902
Ion Ratio Lower Upper
83 100
131 9.7 5.0 14.9
85 65.5 31.9 95.7

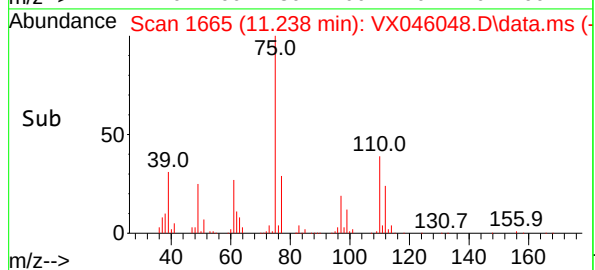
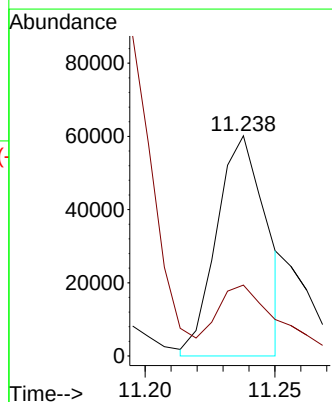
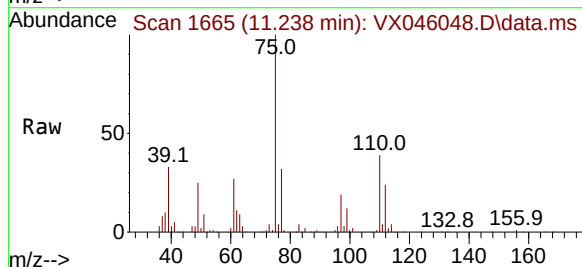
Manual Integrations
APPROVED

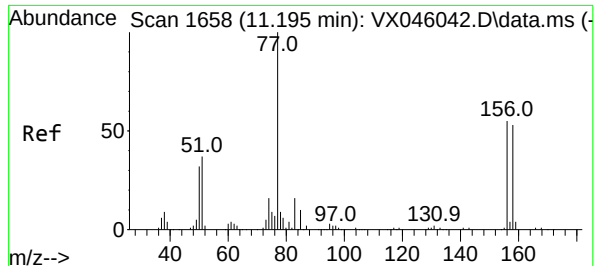
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#76
1,2,3-Trichloropropane
Concen: 48.568 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 79763
Ion Ratio Lower Upper
75 100
77 40.8 20.5 61.5





#77

Bromobenzene

Concen: 48.549 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050525

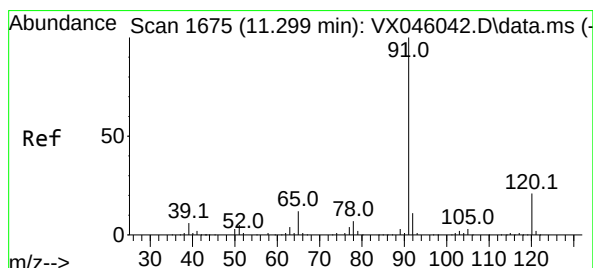
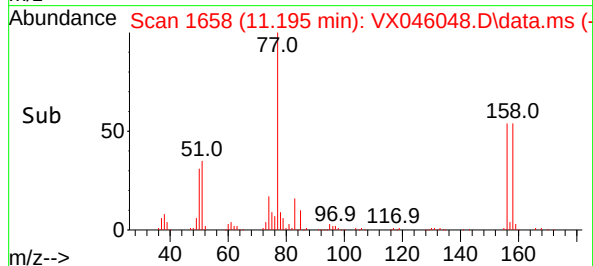
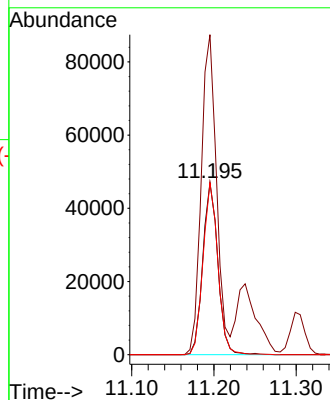
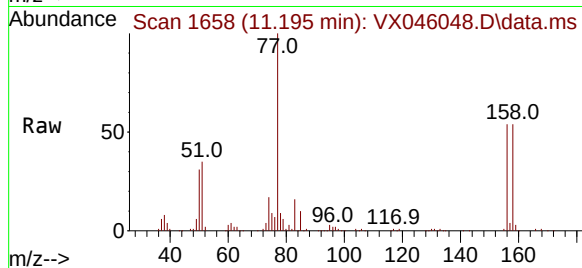
Tgt Ion:	156	Resp:	5987
Ion	Ratio	Lower	Upper
156	100		
77	189.0	92.8	278.3
158	98.9	48.8	146.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#78

n-propylbenzene

Concen: 50.562 ug/l

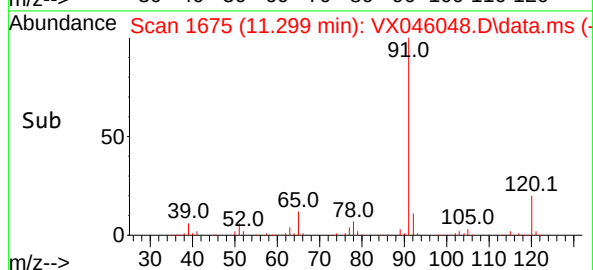
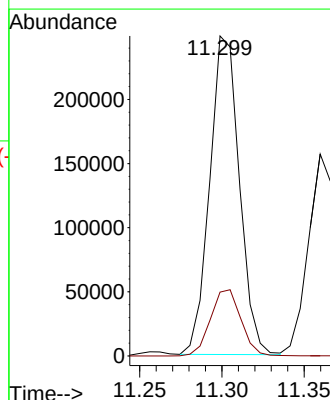
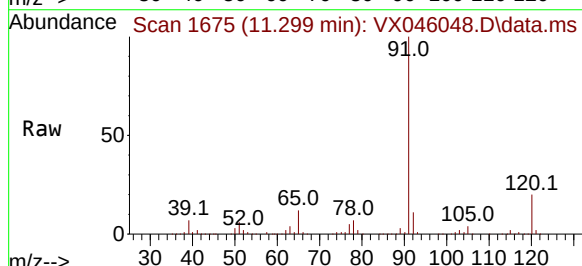
RT: 11.299 min Scan# 1675

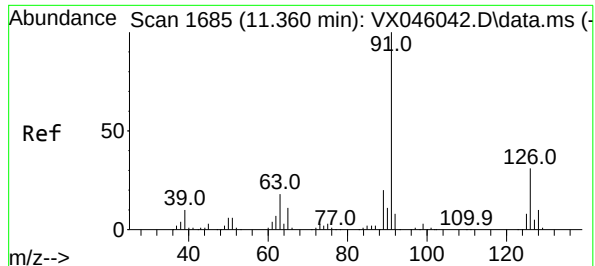
Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Tgt Ion:	91	Resp:	312285
Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.4





#79

2-Chlorotoluene

Concen: 49.107 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050525

Tgt Ion: 91 Resp: 195630

Ion Ratio Lower Upper

91 100

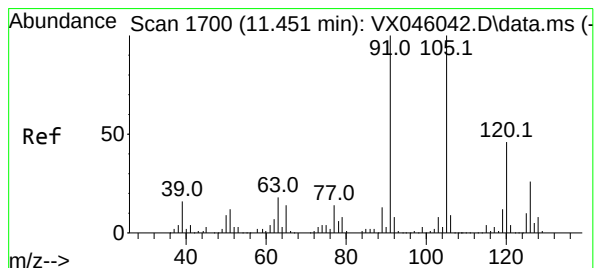
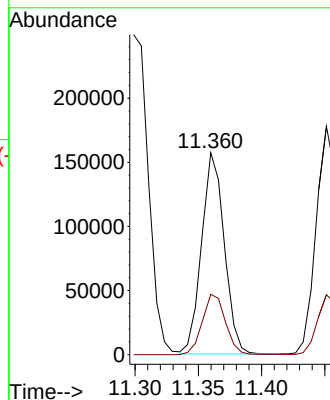
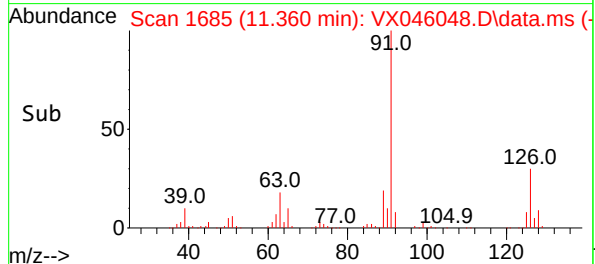
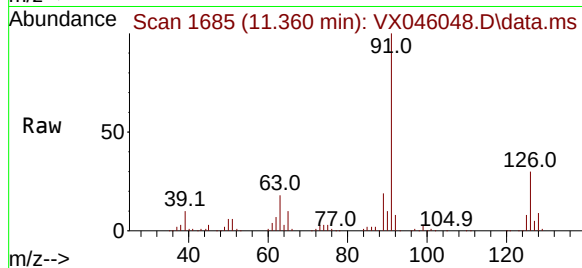
126 30.8 15.6 46.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#80

1,3,5-Trimethylbenzene

Concen: 51.500 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX046048.D

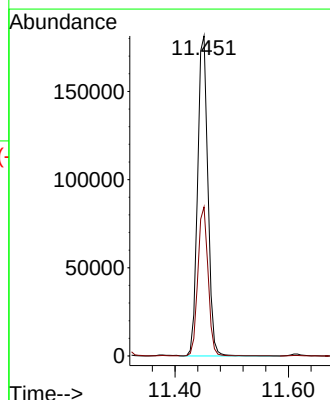
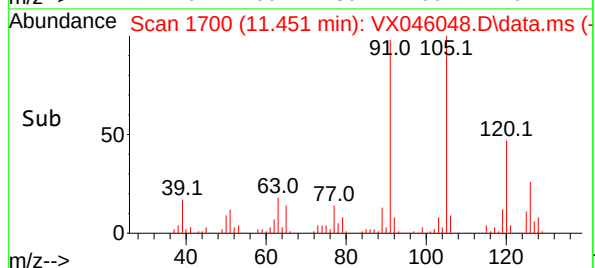
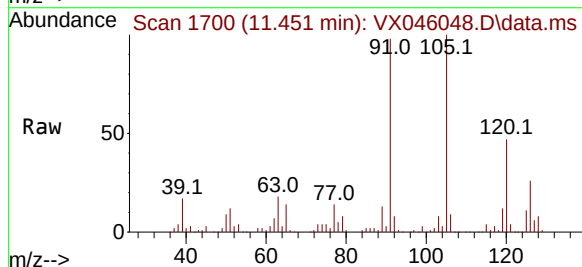
Acq: 05 May 2025 16:50

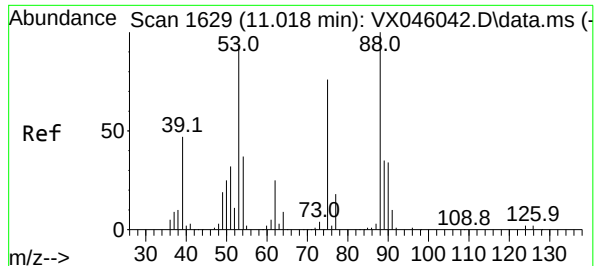
Tgt Ion:105 Resp: 228538

Ion Ratio Lower Upper

105 100

120 46.3 23.1 69.2





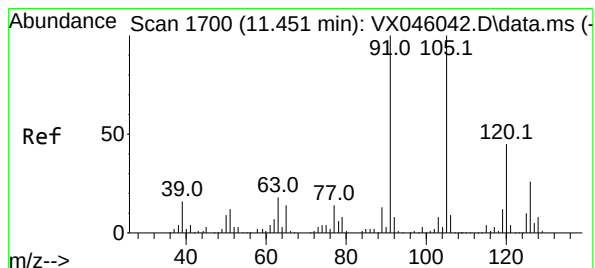
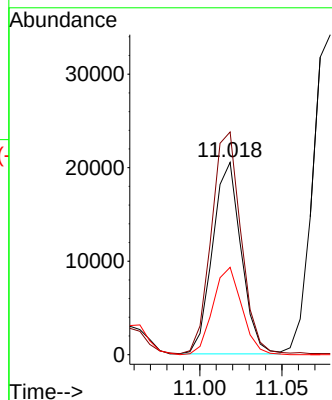
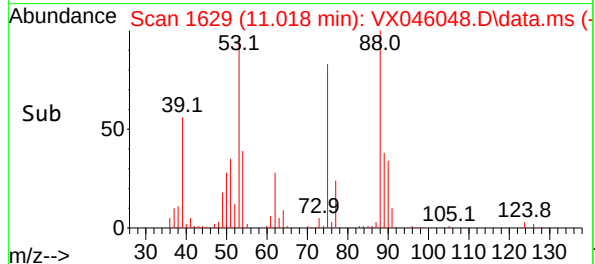
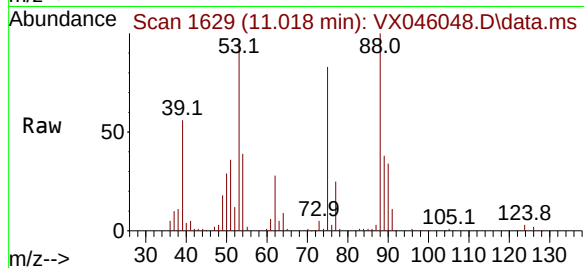
#81
trans-1,4-Dichloro-2-butene
Concen: 49.276 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVX050525

Tgt Ion: 75 Resp: 2485
Ion Ratio Lower Upper
75 100
53 122.3 100.5 150.7
89 46.2 37.0 55.6

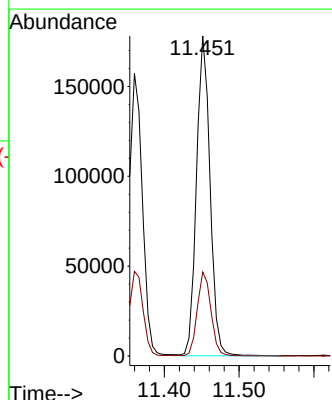
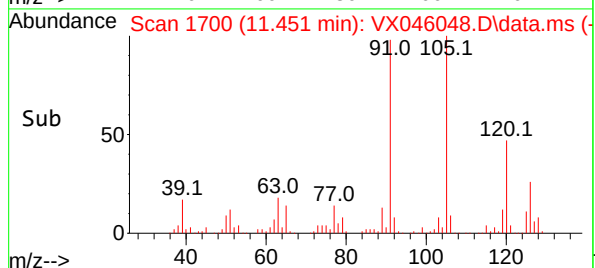
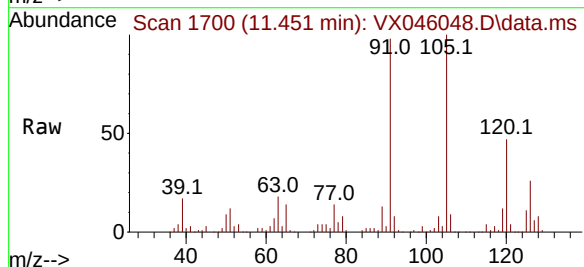
Manual Integrations
APPROVED

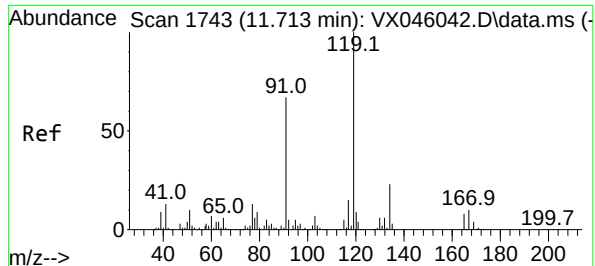
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 223811
Ion Ratio Lower Upper
91 100
126 26.5 13.3 39.8





#83

tert-Butylbenzene

Concen: 50.511 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

Tgt Ion:119 Resp: 22578

Ion Ratio Lower Upper

119 100

91 64.9 32.9 98.7

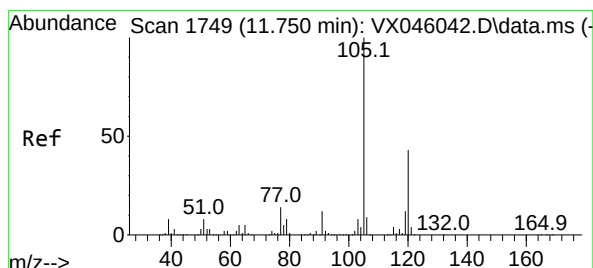
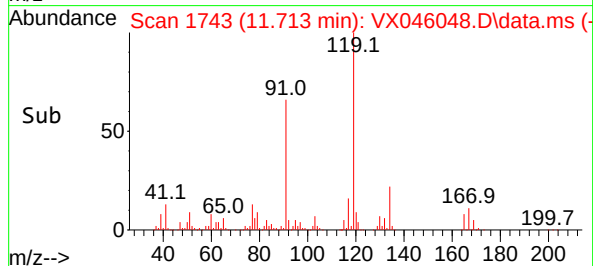
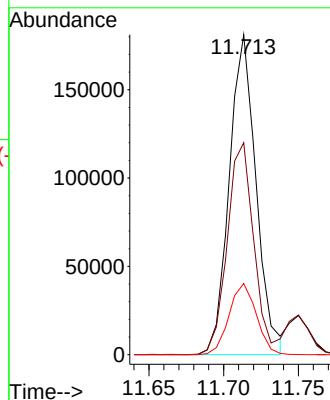
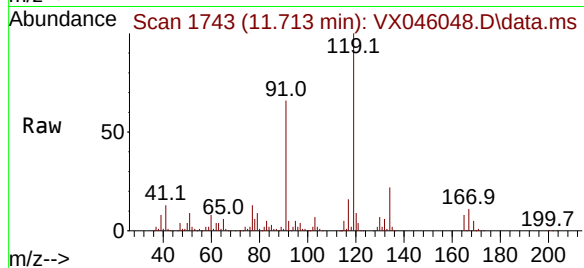
134 22.6 11.4 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#84

1,2,4-Trimethylbenzene

Concen: 51.485 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX046048.D

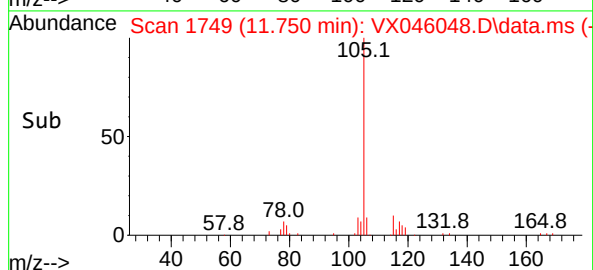
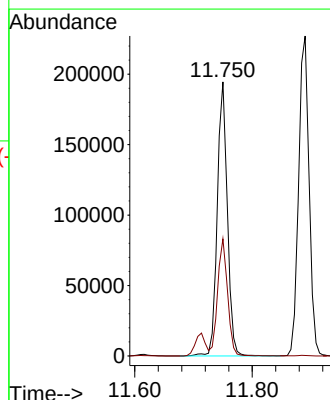
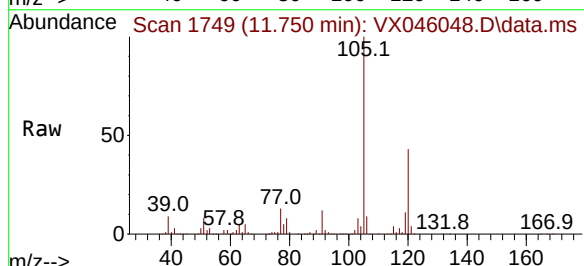
Acq: 05 May 2025 16:50

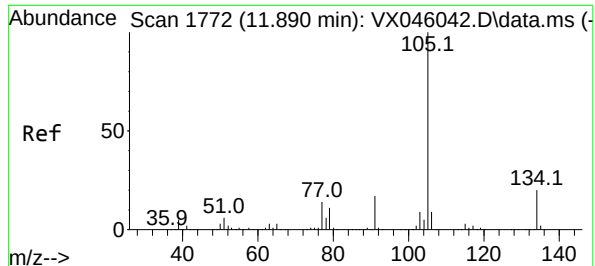
Tgt Ion:105 Resp: 231371

Ion Ratio Lower Upper

105 100

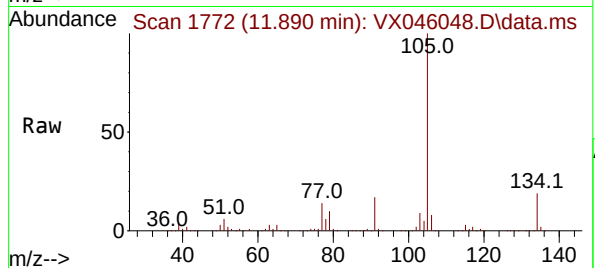
120 42.3 21.2 63.6





#85
sec-Butylbenzene
Concen: 51.122 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

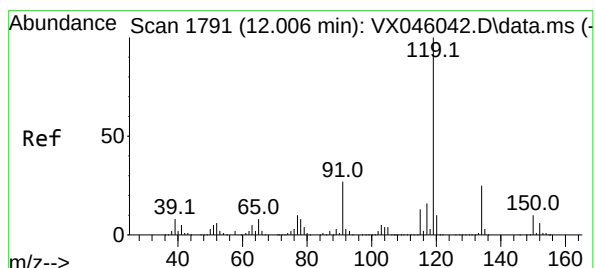
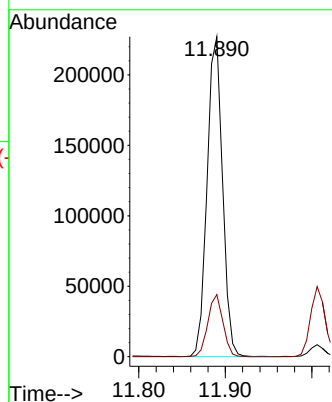
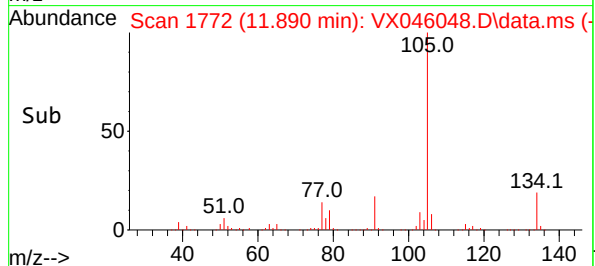
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion:105 Resp: 280578
Ion Ratio Lower Upper
105 100
134 19.1 9.7 29.1

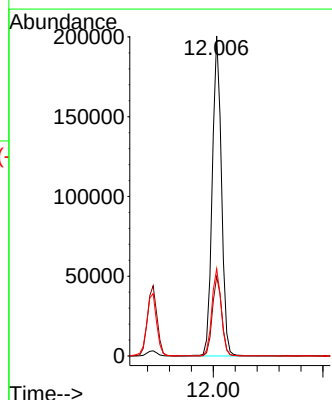
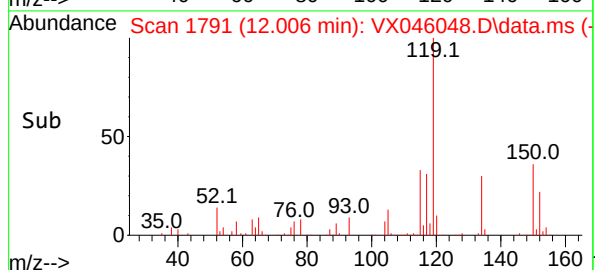
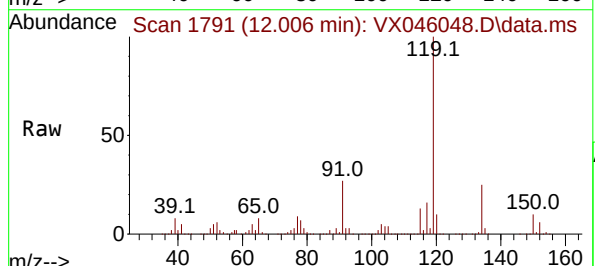
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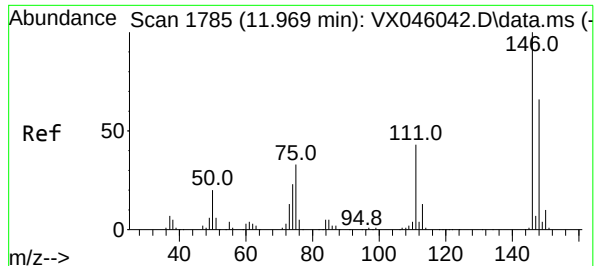
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#86
p-Isopropyltoluene
Concen: 51.198 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

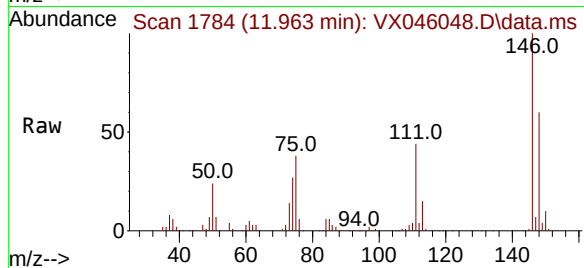
Tgt Ion:119 Resp: 231942
Ion Ratio Lower Upper
119 100
134 25.0 12.5 37.5
91 27.5 13.8 41.4





#87
1,3-Dichlorobenzene
Concen: 50.272 ug/l
RT: 11.963 min Scan# 1784
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

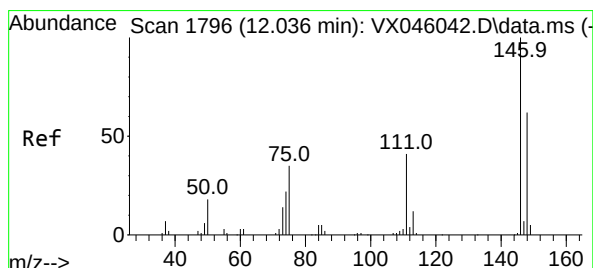
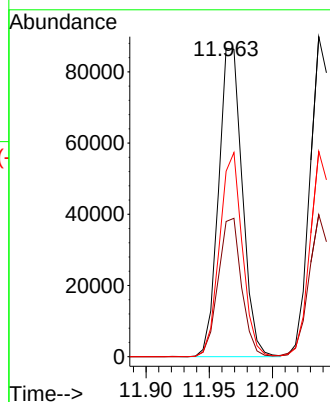
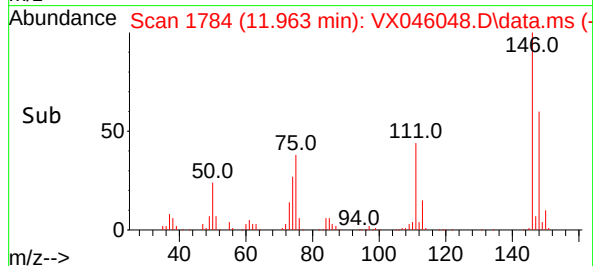
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion:146 Resp: 113140
Ion Ratio Lower Upper
146 100
111 44.1 22.1 66.3
148 63.5 32.1 96.5

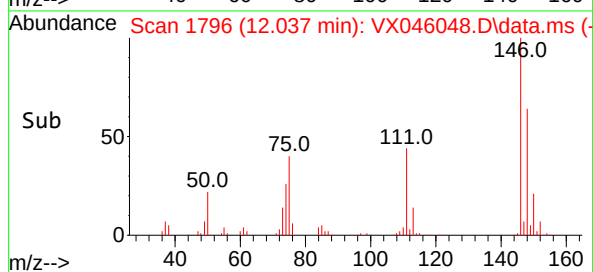
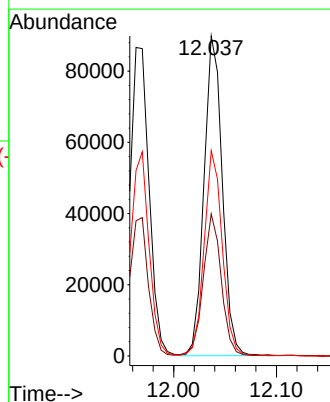
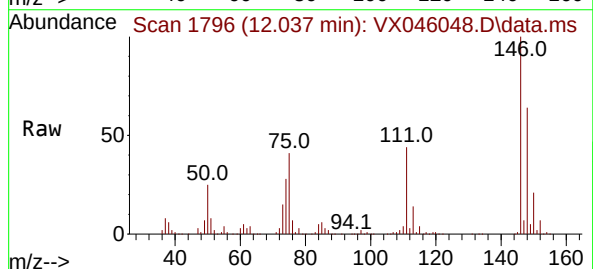
Manual Integrations
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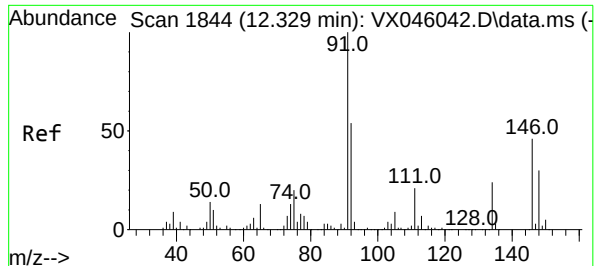
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#88
1,4-Dichlorobenzene
Concen: 48.368 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 111173
Ion Ratio Lower Upper
146 100
111 43.9 21.3 63.9
148 63.3 31.9 95.5





#89

n-Butylbenzene

Concen: 51.804 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVX050525

Tgt Ion: 91 Resp: 20585

Ion Ratio Lower Upper

91 100

92 53.7 26.9 80.7

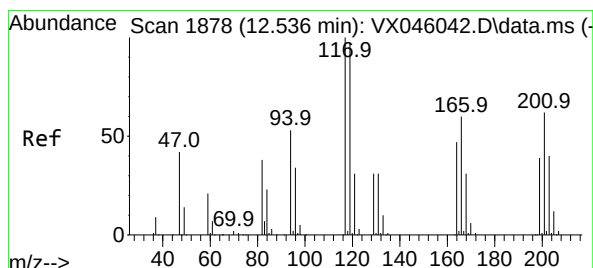
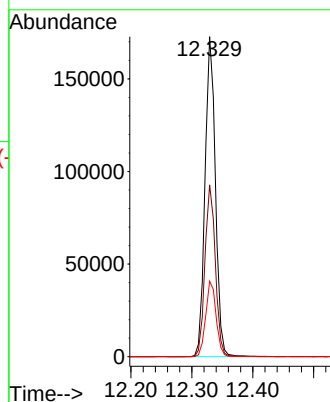
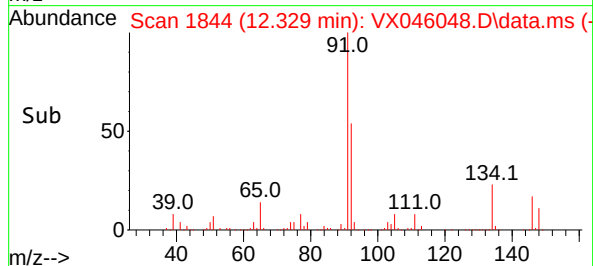
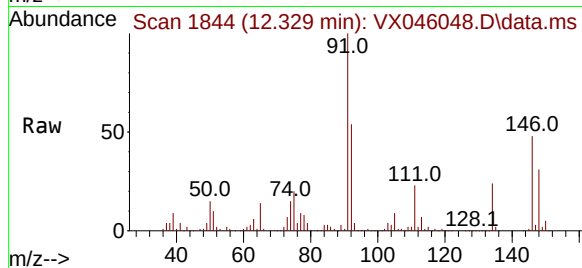
134 23.7 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#90

Hexachloroethane

Concen: 49.895 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX046048.D

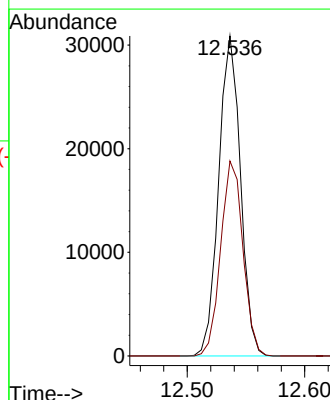
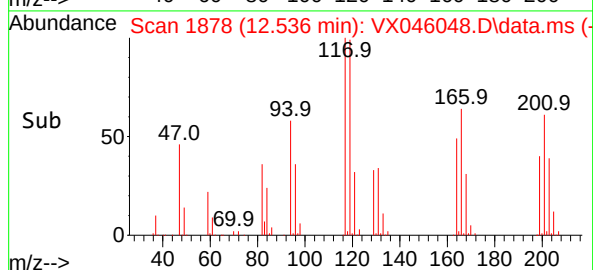
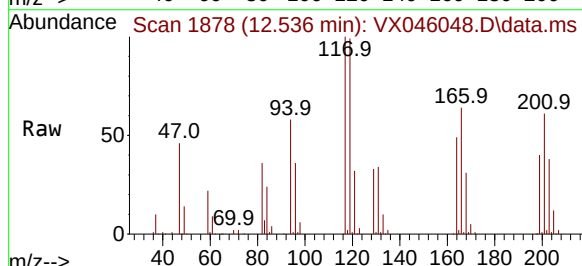
Acq: 05 May 2025 16:50

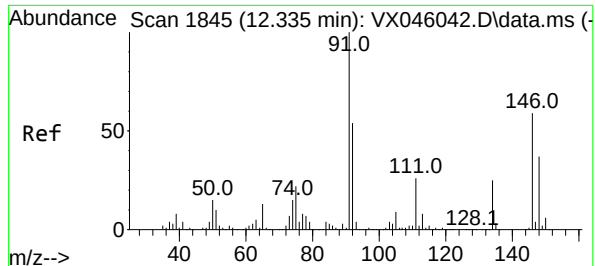
Tgt Ion:117 Resp: 39823

Ion Ratio Lower Upper

117 100

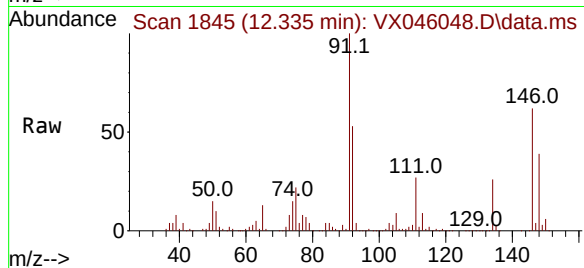
201 62.4 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 49.361 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

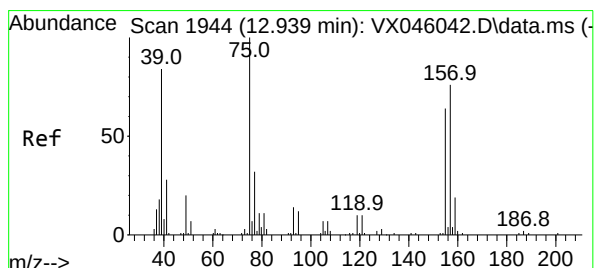
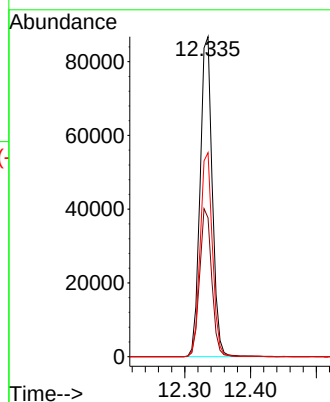
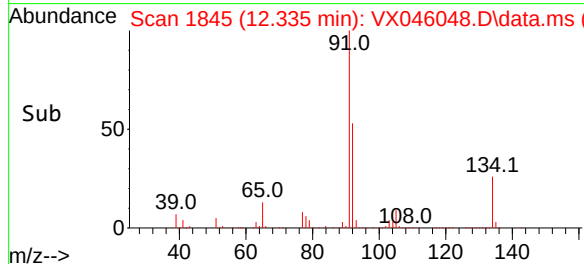
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion:146 Resp: 11148
Ion Ratio Lower Upper
146 100
111 45.8 22.4 67.3
148 64.2 31.6 94.8

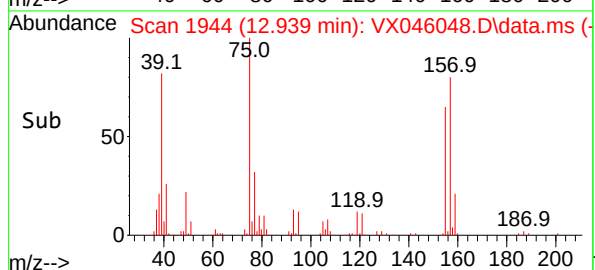
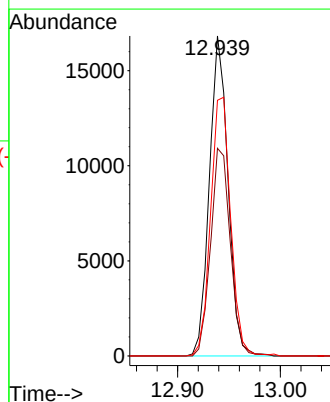
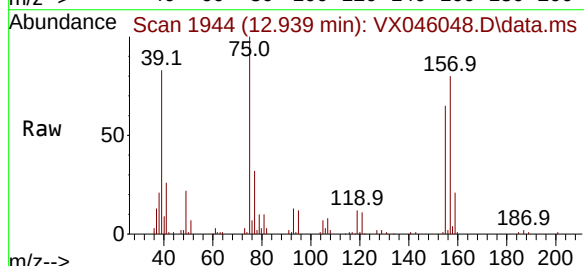
Manual Integrations
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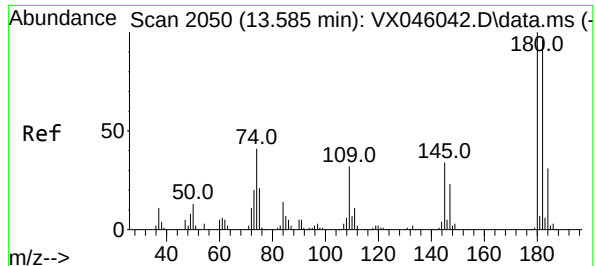
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.458 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

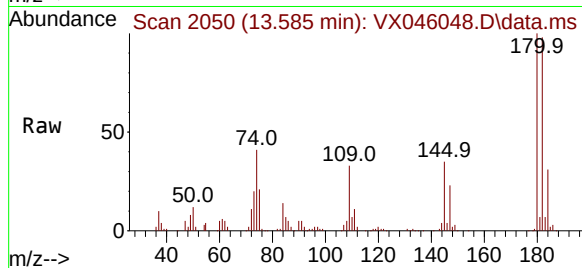
Tgt Ion: 75 Resp: 21220
Ion Ratio Lower Upper
75 100
155 68.6 34.9 104.8
157 86.7 43.8 131.4





#93
1,2,4-Trichlorobenzene
Concen: 49.662 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

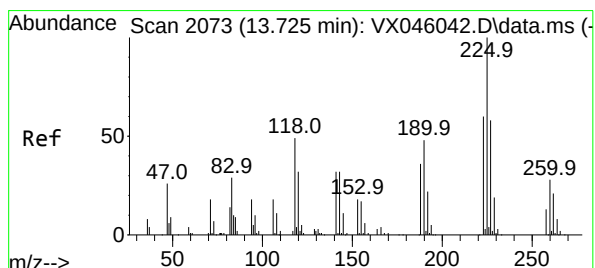
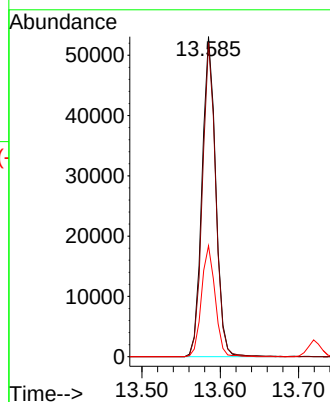
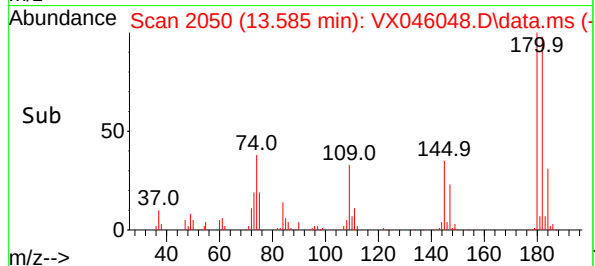
Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525



Tgt Ion:180 Resp: 6442
Ion Ratio Lower Upper
180 100
182 95.5 47.9 143.8
145 34.4 17.1 51.2

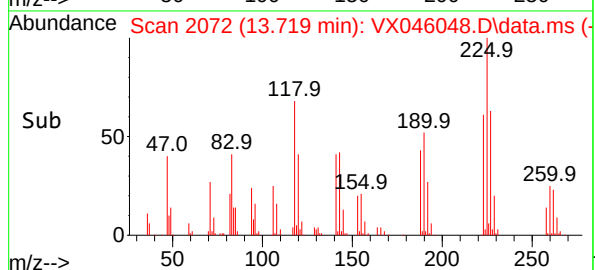
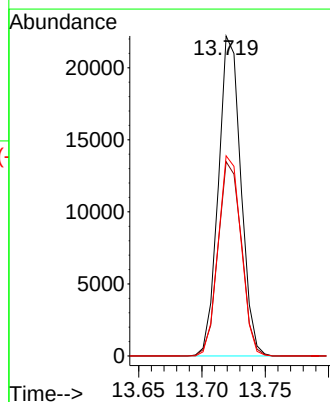
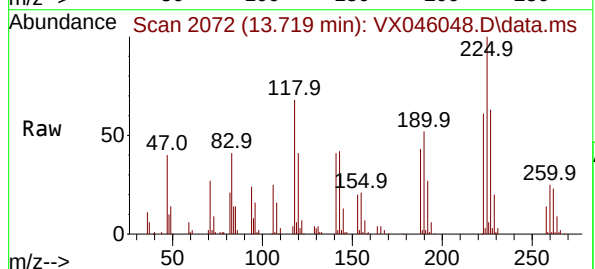
Manual Integrations
APPROVED

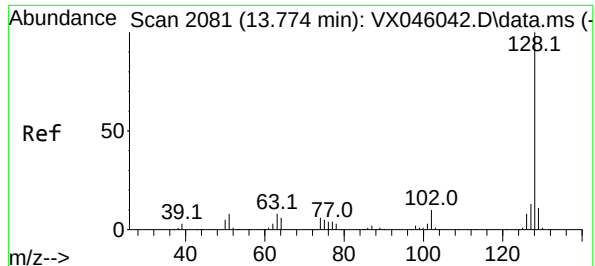
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#94
Hexachlorobutadiene
Concen: 48.408 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:225 Resp: 27425
Ion Ratio Lower Upper
225 100
223 63.1 30.8 92.4
227 63.7 30.9 92.7





#95

Naphthalene

Concen: 50.404 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

ICVVX050525

Tgt Ion:128 Resp: 23980

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

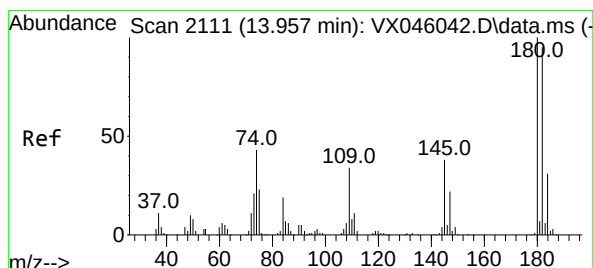
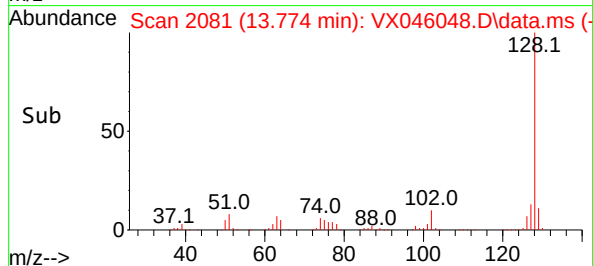
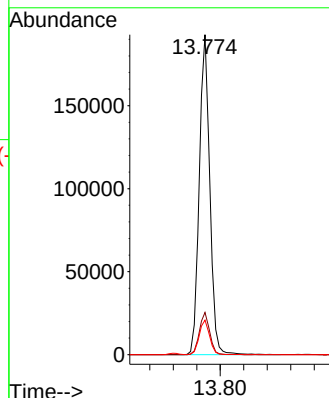
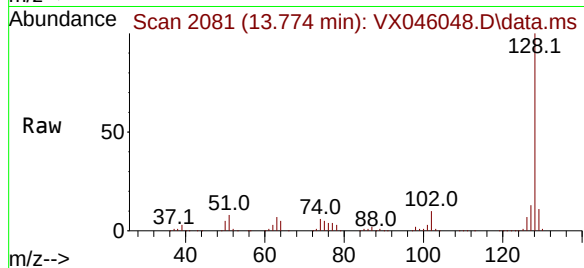
129 10.7 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/06/2025

Supervised By :Mahesh Dadoda 05/06/2025



#96

1,2,3-Trichlorobenzene

Concen: 48.525 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX046048.D

Acq: 05 May 2025 16:50

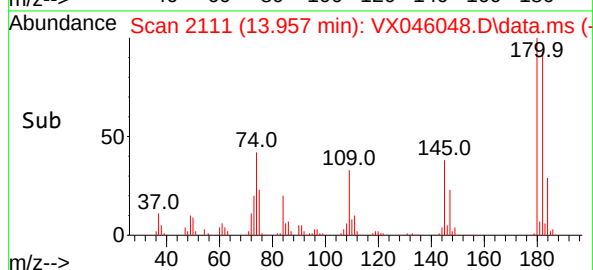
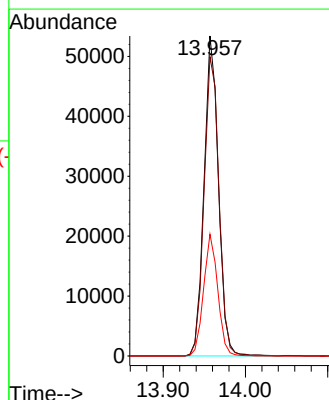
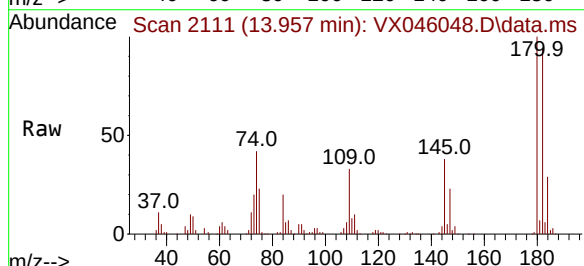
Tgt Ion:180 Resp: 64950

Ion Ratio Lower Upper

180 100

182 97.0 47.8 143.3

145 37.5 18.1 54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046048.D
 Acq On : 05 May 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050525

Quant Time: May 06 07:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	0.765	0.851	-11.2	94	0.00
3 P	Chloromethane	0.742	0.781	-5.3	96	0.00
4 C	Vinyl Chloride	0.691	0.713	-3.2#	96	0.00
5 T	Bromomethane	0.320	0.324	-1.3	95	0.00
6 T	Chloroethane	0.369	0.385	-4.3	97	0.00
7 T	Trichlorofluoromethane	1.021	1.073	-5.1	96	0.00
8 T	Diethyl Ether	0.347	0.344	0.9	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.642	-1.6	96	0.00
10 T	Methyl Iodide	0.747	0.799	-7.0	94	0.00
11 T	Tert butyl alcohol	0.131	0.132	-0.8	98	0.00
12 CM	1,1-Dichloroethene	0.593	0.606	-2.2#	96	0.00
13 T	Acrolein	0.149	0.139	6.7	87	0.00
14 T	Allyl chloride	1.133	1.175	-3.7	95	0.00
15 T	Acrylonitrile	0.374	0.393	-5.1	97	0.00
16 T	Acetone	0.374	0.367	1.9	97	0.00
17 T	Carbon Disulfide	1.406	1.433	-1.9	94	0.00
18 T	Methyl Acetate	0.867	0.867	0.0	97	0.00
19 T	Methyl tert-butyl Ether	2.079	2.111	-1.5	93	0.00
20 T	Methylene Chloride	0.716	0.684	4.5	95	0.00
21 T	trans-1,2-Dichloroethene	0.596	0.602	-1.0	94	0.00
22 T	Diisopropyl ether	2.189	2.268	-3.6	95	0.00
23 T	Vinyl Acetate	1.925	2.045	-6.2	95	0.00
24 P	1,1-Dichloroethane	1.219	1.239	-1.6	94	0.00
25 T	2-Butanone	0.543	0.558	-2.8	96	0.00
26 T	2,2-Dichloropropane	0.954	0.953	0.1	95	0.00
27 T	cis-1,2-Dichloroethene	0.718	0.731	-1.8	95	0.00
28 T	Bromochloromethane	0.587	0.598	-1.9	99	0.00
29 T	Tetrahydrofuran	0.340	0.354	-4.1	96	0.00
30 C	Chloroform	1.271	1.305	-2.7#	96	0.00
31 T	Cyclohexane	1.111	1.114	-0.3	94	0.00
32 T	1,1,1-Trichloroethane	1.101	1.126	-2.3	95	0.00
33 S	1,2-Dichloroethane-d4	0.932	0.904	3.0	95	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35 S	Dibromofluoromethane	0.360	0.358	0.6	98	0.00
36 T	1,1-Dichloropropene	0.484	0.479	1.0	94	0.00
37 T	Ethyl Acetate	0.598	0.606	-1.3	96	0.00
38 T	Carbon Tetrachloride	0.544	0.542	0.4	94	0.00
39 T	Methylcyclohexane	0.623	0.620	0.5	94	0.00
40 TM	Benzene	1.417	1.439	-1.6	95	0.00
41 T	Methacrylonitrile	0.313	0.344	-9.9	96	0.00
42 TM	1,2-Dichloroethane	0.612	0.622	-1.6	96	0.00
43 T	Isopropyl Acetate	0.912	0.952	-4.4	96	0.00
44 TM	Trichloroethene	0.341	0.341	0.0	93	0.00
45 C	1,2-Dichloropropane	0.352	0.366	-4.0#	96	0.00
46 T	Dibromomethane	0.278	0.278	0.0	94	0.00
47 T	Bromodichloromethane	0.547	0.568	-3.8	95	0.00
48 T	Methyl methacrylate	0.466	0.505	-8.4	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046048.D
 Acq On : 05 May 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX050525

Quant Time: May 06 07:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.009	0.009	0.0	100	0.00
50 S	Toluene-d8	1.246	1.221	2.0	97	0.00
51 T	4-Methyl-2-Pentanone	0.605	0.627	-3.6	96	0.00
52 CM	Toluene	0.869	0.889	-2.3#	96	0.00
53 T	t-1,3-Dichloropropene	0.487	0.515	-5.7	94	0.00
54 T	cis-1,3-Dichloropropene	0.538	0.569	-5.8	95	0.00
55 T	1,1,2-Trichloroethane	0.343	0.349	-1.7	95	0.00
56 T	Ethyl methacrylate	0.546	0.589	-7.9	96	0.00
57 T	1,3-Dichloropropane	0.615	0.613	0.3	95	0.00
58 T	2-Chloroethyl Vinyl ether	0.278	0.296	-6.5	93	0.00
59 T	2-Hexanone	0.448	0.480	-7.1	98	0.00
60 T	Dibromochloromethane	0.376	0.392	-4.3	95	0.00
61 T	1,2-Dibromoethane	0.356	0.364	-2.2	94	0.00
62 S	4-Bromofluorobenzene	0.478	0.465	2.7	96	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64 T	Tetrachloroethene	0.354	0.331	6.5	88	0.00
65 PM	Chlorobenzene	1.094	1.066	2.6	96	0.00
66 T	1,1,1,2-Tetrachloroethane	0.374	0.370	1.1	94	0.00
67 C	Ethyl Benzene	1.929	1.939	-0.5#	95	0.00
68 T	m/p-Xylenes	0.706	0.713	-1.0	95	0.00
69 T	o-Xylene	0.688	0.699	-1.6	95	0.00
70 T	Styrene	1.127	1.170	-3.8	95	0.00
71 P	Bromoform	0.281	0.278	1.1	91	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73 T	Isopropylbenzene	3.893	3.950	-1.5	96	0.00
74 T	N-amyl acetate	1.924	2.016	-4.8	98	0.00
75 P	1,1,2,2-Tetrachloroethane	1.364	1.305	4.3	98	0.00
76 T	1,2,3-Trichloropropane	1.204	1.169	2.9	99	0.00
77 T	Bromobenzene	0.904	0.878	2.9	95	0.00
78 T	n-propylbenzene	4.526	4.577	-1.1	95	0.00
79 T	2-Chlorotoluene	2.919	2.867	1.8	96	0.00
80 T	1,3,5-Trimethylbenzene	3.252	3.350	-3.0	96	0.00
81 T	trans-1,4-Dichloro-2-butene	0.370	0.364	1.6	95	0.00
82 T	4-Chlorotoluene	3.238	3.280	-1.3	96	0.00
83 T	tert-Butylbenzene	3.276	3.309	-1.0	97	0.00
84 T	1,2,4-Trimethylbenzene	3.293	3.391	-3.0	97	0.00
85 T	sec-Butylbenzene	4.022	4.112	-2.2	96	0.00
86 T	p-Isopropyltoluene	3.320	3.399	-2.4	96	0.00
87 T	1,3-Dichlorobenzene	1.649	1.658	-0.5	98	0.00
88 T	1,4-Dichlorobenzene	1.684	1.629	3.3	97	0.00
89 T	n-Butylbenzene	2.912	3.017	-3.6	96	0.00
90 T	Hexachloroethane	0.585	0.584	0.2	94	0.00
91 T	1,2-Dichlorobenzene	1.655	1.634	1.3	97	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.302	0.311	-3.0	97	0.00
93 T	1,2,4-Trichlorobenzene	0.951	0.944	0.7	97	0.00
94 T	Hexachlorobutadiene	0.415	0.402	3.1	95	0.00
95 T	Naphthalene	3.487	3.515	-0.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.981	0.952	3.0	94	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X050525\
 Data File : VX046048.D
 Acq On : 05 May 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050525

Quant Time: May 06 07:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	50.000	55.594	-11.2	94	0.00
3 P	Chloromethane	50.000	52.592	-5.2	96	0.00
4 C	Vinyl Chloride	50.000	51.598	-3.2#	96	0.00
5 T	Bromomethane	50.000	50.627	-1.3	95	0.00
6 T	Chloroethane	50.000	52.271	-4.5	97	0.00
7 T	Trichlorofluoromethane	50.000	52.560	-5.1	96	0.00
8 T	Diethyl Ether	50.000	49.536	0.9	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.822	-1.6	96	0.00
10 T	Methyl Iodide	50.000	53.419	-6.8	94	0.00
11 T	Tert butyl alcohol	250.000	252.025	-0.8	98	0.00
12 CM	1,1-Dichloroethene	50.000	51.097	-2.2#	96	0.00
13 T	Acrolein	250.000	232.505	7.0	87	0.00
14 T	Allyl chloride	50.000	51.833	-3.7	95	0.00
15 T	Acrylonitrile	250.000	262.412	-5.0	97	0.00
16 T	Acetone	250.000	245.518	1.8	97	0.00
17 T	Carbon Disulfide	50.000	50.981	-2.0	94	0.00
18 T	Methyl Acetate	50.000	49.968	0.1	97	0.00
19 T	Methyl tert-butyl Ether	50.000	50.777	-1.6	93	0.00
20 T	Methylene Chloride	50.000	47.779	4.4	95	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.513	-1.0	94	0.00
22 T	Diisopropyl ether	50.000	51.800	-3.6	95	0.00
23 T	Vinyl Acetate	250.000	265.585	-6.2	95	0.00
24 P	1,1-Dichloroethane	50.000	50.825	-1.7	94	0.00
25 T	2-Butanone	250.000	257.110	-2.8	96	0.00
26 T	2,2-Dichloropropane	50.000	49.934	0.1	95	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.956	-1.9	95	0.00
28 T	Bromochloromethane	50.000	50.975	-2.0	99	0.00
29 T	Tetrahydrofuran	250.000	259.958	-4.0	96	0.00
30 C	Chloroform	50.000	51.332	-2.7#	96	0.00
31 T	Cyclohexane	50.000	50.147	-0.3	94	0.00
32 T	1,1,1-Trichloroethane	50.000	51.108	-2.2	95	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.509	3.0	95	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35 S	Dibromofluoromethane	50.000	49.683	0.6	98	0.00
36 T	1,1-Dichloropropene	50.000	49.521	1.0	94	0.00
37 T	Ethyl Acetate	50.000	50.714	-1.4	96	0.00
38 T	Carbon Tetrachloride	50.000	49.825	0.3	94	0.00
39 T	Methylcyclohexane	50.000	49.757	0.5	94	0.00
40 TM	Benzene	50.000	50.759	-1.5	95	0.00
41 T	Methacrylonitrile	50.000	55.076	-10.2	96	0.00
42 TM	1,2-Dichloroethane	50.000	50.861	-1.7	96	0.00
43 T	Isopropyl Acetate	50.000	52.195	-4.4	96	0.00
44 TM	Trichloroethene	50.000	50.018	-0.0	93	0.00
45 C	1,2-Dichloropropane	50.000	51.983	-4.0#	96	0.00
46 T	Dibromomethane	50.000	49.978	0.0	94	0.00
47 T	Bromodichloromethane	50.000	51.889	-3.8	95	0.00
48 T	Methyl methacrylate	50.000	54.226	-8.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
 Data File : VX046048.D
 Acq On : 05 May 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX050525

Quant Time: May 06 07:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1059.599	-6.0	100	0.00
50 S	Toluene-d8	50.000	48.984	2.0	97	0.00
51 T	4-Methyl-2-Pentanone	250.000	259.133	-3.7	96	0.00
52 CM	Toluene	50.000	51.150	-2.3#	96	0.00
53 T	t-1,3-Dichloropropene	50.000	52.920	-5.8	94	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.892	-5.8	95	0.00
55 T	1,1,2-Trichloroethane	50.000	50.887	-1.8	95	0.00
56 T	Ethyl methacrylate	50.000	53.918	-7.8	96	0.00
57 T	1,3-Dichloropropane	50.000	49.793	0.4	95	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	265.780	-6.3	93	0.00
59 T	2-Hexanone	250.000	268.218	-7.3	98	0.00
60 T	Dibromochloromethane	50.000	52.075	-4.2	95	0.00
61 T	1,2-Dibromoethane	50.000	51.050	-2.1	94	0.00
62 S	4-Bromofluorobenzene	50.000	48.596	2.8	96	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64 T	Tetrachloroethene	50.000	46.795	6.4	88	0.00
65 PM	Chlorobenzene	50.000	48.699	2.6	96	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.557	0.9	94	0.00
67 C	Ethyl Benzene	50.000	50.245	-0.5#	95	0.00
68 T	m/p-Xylenes	100.000	101.022	-1.0	95	0.00
69 T	o-Xylene	50.000	50.841	-1.7	95	0.00
70 T	Styrene	50.000	51.907	-3.8	95	0.00
71 P	Bromoform	50.000	49.583	0.8	91	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73 T	Isopropylbenzene	50.000	50.733	-1.5	96	0.00
74 T	N-ethyl acetate	50.000	52.407	-4.8	98	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.827	4.3	98	0.00
76 T	1,2,3-Trichloropropane	50.000	48.568	2.9	99	0.00
77 T	Bromobenzene	50.000	48.549	2.9	95	0.00
78 T	n-propylbenzene	50.000	50.562	-1.1	95	0.00
79 T	2-Chlorotoluene	50.000	49.107	1.8	96	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.500	-3.0	96	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.276	1.4	95	0.00
82 T	4-Chlorotoluene	50.000	50.661	-1.3	96	0.00
83 T	tert-Butylbenzene	50.000	50.511	-1.0	97	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.485	-3.0	97	0.00
85 T	sec-Butylbenzene	50.000	51.122	-2.2	96	0.00
86 T	p-Isopropyltoluene	50.000	51.198	-2.4	96	0.00
87 T	1,3-Dichlorobenzene	50.000	50.272	-0.5	98	0.00
88 T	1,4-Dichlorobenzene	50.000	48.368	3.3	97	0.00
89 T	n-Butylbenzene	50.000	51.804	-3.6	96	0.00
90 T	Hexachloroethane	50.000	49.895	0.2	94	0.00
91 T	1,2-Dichlorobenzene	50.000	49.361	1.3	97	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.458	-2.9	97	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.662	0.7	97	0.00
94 T	Hexachlorobutadiene	50.000	48.408	3.2	95	0.00
95 T	Naphthalene	50.000	50.404	-0.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.525	3.0	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG No.: Q2001

Instrument ID: MSVOA_X Calibration Date/Time: 05/13/2025 10:00

Lab File ID: VX046153.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.691	0.696		0.72	20
1,1-Dichloroethene	0.593	0.578		-2.53	20
2-Butanone	0.543	0.561		3.32	20
Carbon Tetrachloride	0.544	0.574		5.51	20
Chloroform	1.271	1.300		2.28	20
Benzene	1.417	1.440		1.62	20
1,2-Dichloroethane	0.612	0.625		2.12	20
Trichloroethene	0.341	0.344		0.88	20
Tetrachloroethene	0.354	0.368		3.95	20
Chlorobenzene	1.094	1.091	0.3	-0.27	20
1,2-Dichloroethane-d4	0.932	0.899		-3.54	20
Dibromofluoromethane	0.360	0.371		3.06	20
Toluene-d8	1.246	1.236		-0.8	20
4-Bromofluorobenzene	0.478	0.484		1.25	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046153.D
 Acq On : 13 May 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	98502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	167387	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70437	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	88548	48.218	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.440%		
35) Dibromofluoromethane	5.379	113	62082	51.505	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.000%		
50) Toluene-d8	8.640	98	206879	49.588	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.180%		
62) 4-Bromofluorobenzene	11.079	95	80981	50.604	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	82665	54.831	ug/l	98
3) Chloromethane	1.306	50	73977	50.599	ug/l	99
4) Vinyl Chloride	1.373	62	68541	50.372	ug/l	99
5) Bromomethane	1.593	94	29973	47.492	ug/l	98
6) Chloroethane	1.666	64	36911	50.814	ug/l	96
7) Trichlorofluoromethane	1.873	101	104977	52.202	ug/l	100
8) Diethyl Ether	2.129	74	33662	49.172	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.318	101	64320	51.683	ug/l	98
10) Methyl Iodide	2.446	142	70924	48.163	ug/l	99
11) Tert butyl alcohol	2.971	59	62867	243.884	ug/l	99
12) 1,1-Dichloroethene	2.312	96	56910	48.725	ug/l	96
13) Acrolein	2.233	56	83810	285.492	ug/l	99
14) Allyl chloride	2.654	41	115482	51.734	ug/l	98
15) Acrylonitrile	3.062	53	189375	256.923	ug/l	99
16) Acetone	2.379	43	201897	274.202	ug/l	99
17) Carbon Disulfide	2.501	76	135470	48.923	ug/l	99
18) Methyl Acetate	2.702	43	91348	53.463	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	209959	51.273	ug/l	98
20) Methylene Chloride	2.782	84	65777	46.617	ug/l	97
21) trans-1,2-Dichloroethene	3.086	96	58057	49.427	ug/l	99
22) Diisopropyl ether	3.757	45	221111	51.279	ug/l	97
23) Vinyl Acetate	3.714	43	985800	259.937	ug/l	100
24) 1,1-Dichloroethane	3.599	63	121218	50.473	ug/l	99
25) 2-Butanone	4.550	43	276370	258.541	ug/l	100
26) 2,2-Dichloropropane	4.464	77	97857	52.058	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	70401	49.788	ug/l	100
28) Bromochloromethane	4.885	49	60754	52.554	ug/l	98
29) Tetrahydrofuran	5.001	42	169140	252.509	ug/l	99
30) Chloroform	5.080	83	128041	51.150	ug/l	98
31) Cyclohexane	5.458	56	106545	48.684	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	110040	50.711	ug/l	100
36) 1,1-Dichloropropene	5.684	75	80599	49.767	ug/l	99
37) Ethyl Acetate	4.708	43	101469	50.711	ug/l	99
38) Carbon Tetrachloride	5.665	117	96000	52.757	ug/l	97
39) Methylcyclohexane	7.372	83	103987	49.874	ug/l	95
40) Benzene	6.031	78	241084	50.821	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046153.D
 Acq On : 13 May 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	58409	55.803	ug/l	98
42) 1,2-Dichloroethane	6.074	62	104637	51.108	ug/l	100
43) Isopropyl Acetate	6.336	43	160905	52.712	ug/l	99
44) Trichloroethene	7.116	130	57533	50.391	ug/l	97
45) 1,2-Dichloropropane	7.427	63	61983	52.547	ug/l	98
46) Dibromomethane	7.573	93	47779	51.357	ug/l	98
47) Bromodichloromethane	7.817	83	98344	53.671	ug/l	100
48) Methyl methacrylate	7.689	41	84825	54.412	ug/l	97
49) 1,4-Dioxane	7.659	88	30084	1016.342	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	528906	261.030	ug/l	100
52) Toluene	8.713	92	147915	50.851	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	89007	54.650	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	97171	53.981	ug/l	97
55) 1,1,2-Trichloroethane	9.146	97	58697	51.177	ug/l	98
56) Ethyl methacrylate	9.116	69	99742	54.564	ug/l	98
57) 1,3-Dichloropropane	9.305	76	104465	50.716	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	254739	273.344	ug/l	100
59) 2-Hexanone	9.427	43	390477	260.479	ug/l	100
60) Dibromochloromethane	9.518	129	69888	55.484	ug/l	99
61) 1,2-Dibromoethane	9.604	107	61530	51.616	ug/l	98
64) Tetrachloroethene	9.268	164	53943	51.953	ug/l	93
65) Chlorobenzene	10.073	112	160170	49.867	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	57345	52.285	ug/l	99
67) Ethyl Benzene	10.189	91	290658	51.336	ug/l	100
68) m/p-Xylenes	10.299	106	215927	104.273	ug/l	100
69) o-Xylene	10.640	106	104981	52.001	ug/l	99
70) Styrene	10.652	104	177405	53.645	ug/l	99
71) Bromoform	10.798	173	45067	54.730	ug/l #	99
73) Isopropylbenzene	10.957	105	282394	51.497	ug/l	100
74) N-amyl acetate	10.841	43	136431	50.348	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	90369	47.026	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	81816m	48.256	ug/l	
77) Bromobenzene	11.195	156	63958	50.237	ug/l	99
78) n-propylbenzene	11.298	91	332668	52.174	ug/l	100
79) 2-Chlorotoluene	11.359	91	203011	49.362	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	238897	52.146	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26481	50.850	ug/l	99
82) 4-Chlorotoluene	11.451	91	236578	51.872	ug/l	100
83) tert-Butylbenzene	11.713	119	235120	50.951	ug/l	99
84) 1,2,4-Trimethylbenzene	11.749	105	241198	51.989	ug/l	100
85) sec-Butylbenzene	11.890	105	299076	52.784	ug/l	99
86) p-Isopropyltoluene	12.006	119	246710	52.751	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	117835	50.715	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	116679	49.172	ug/l	98
89) n-Butylbenzene	12.329	91	220935	53.855	ug/l	99
90) Hexachloroethane	12.536	117	43914	53.296	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	115297	49.450	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	21277	49.979	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	66994	50.026	ug/l	98
94) Hexachlorobutadiene	13.719	225	30548	52.230	ug/l	100
95) Naphthalene	13.774	128	241042	49.076	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	69113	50.017	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046153.D
Acq On : 13 May 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

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

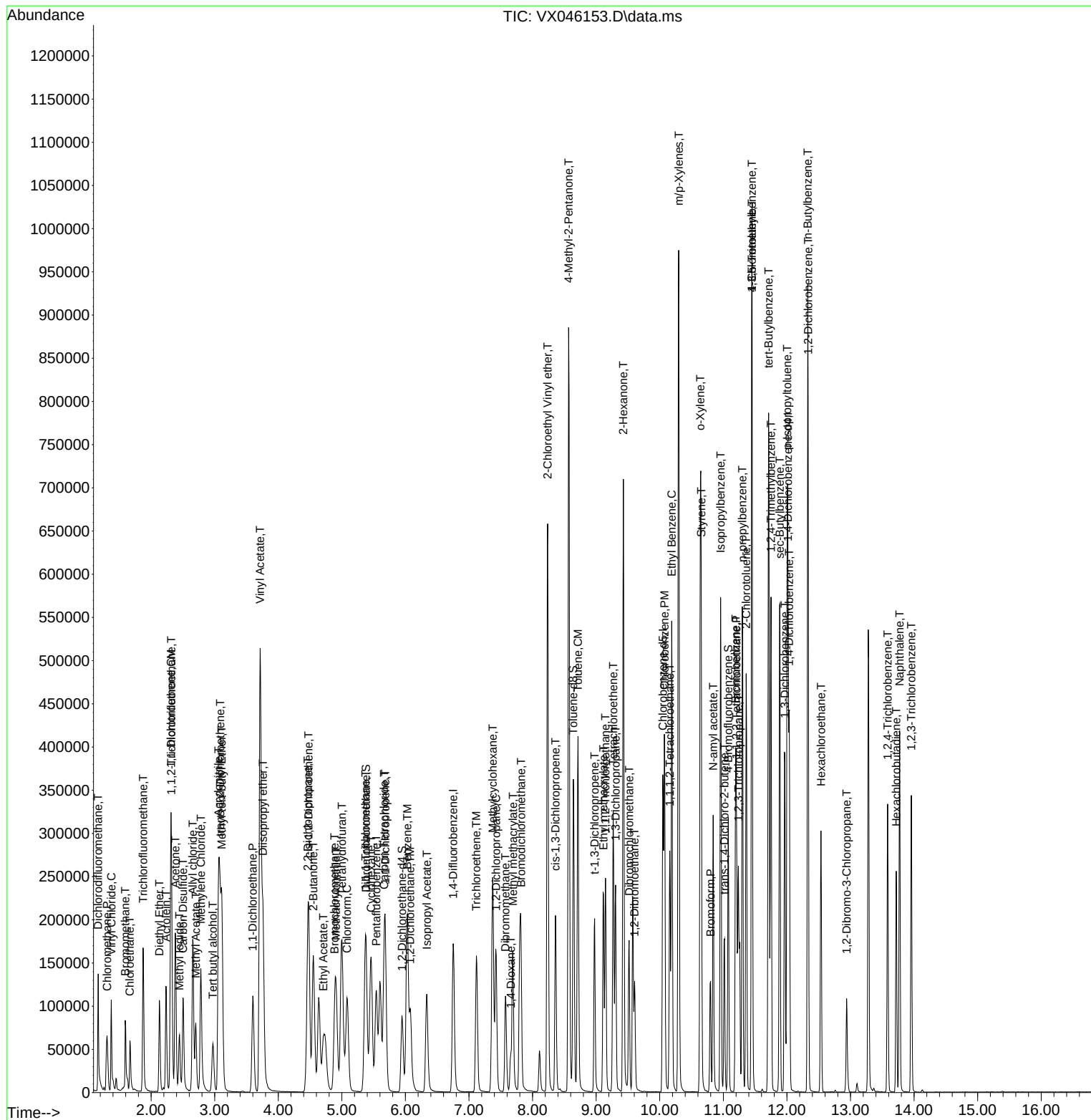
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Data File : VX046153.D  
Acq On    : 13 May 2025  10:00  
Operator  : JC/MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 2      Sample Multiplier: 1
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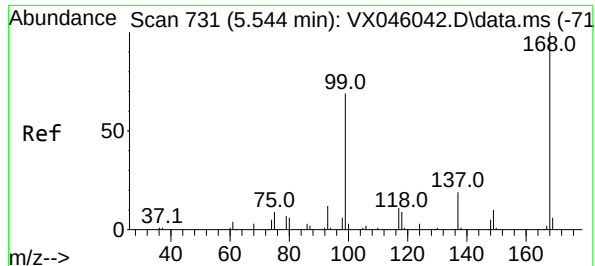
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration





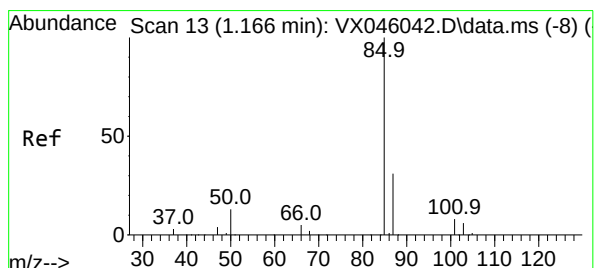
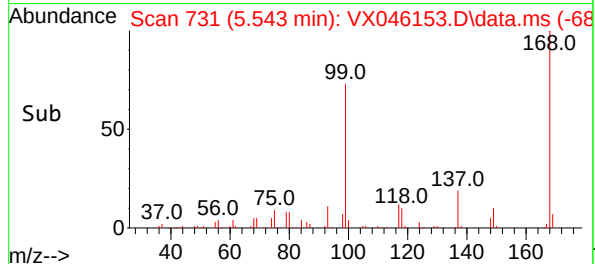
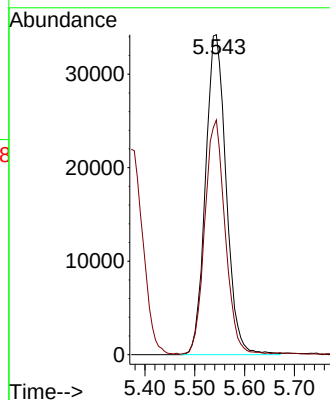
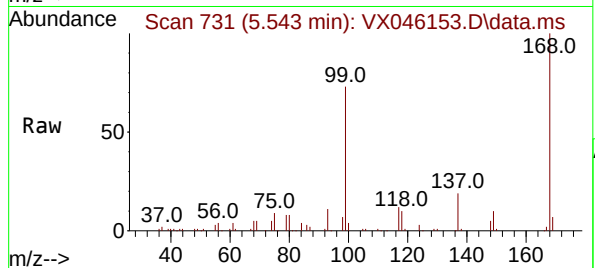
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 9850
Ion Ratio Lower Upper
168 100
99 73.2 54.9 82.3

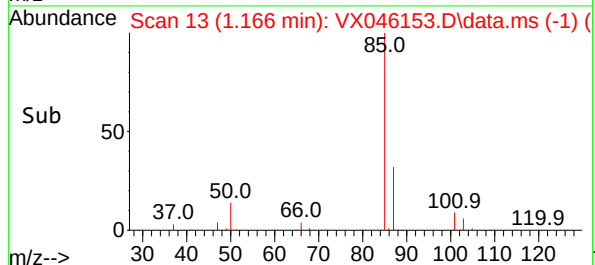
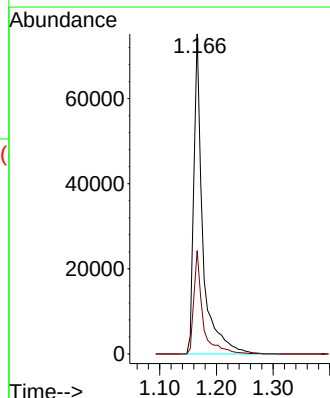
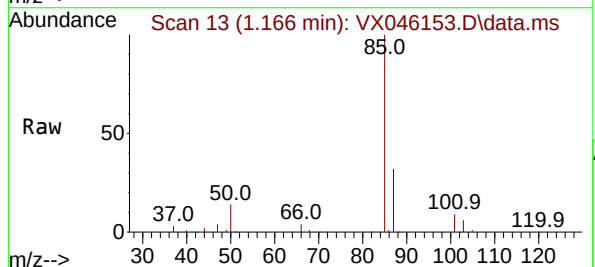
Manual Integrations
APPROVED

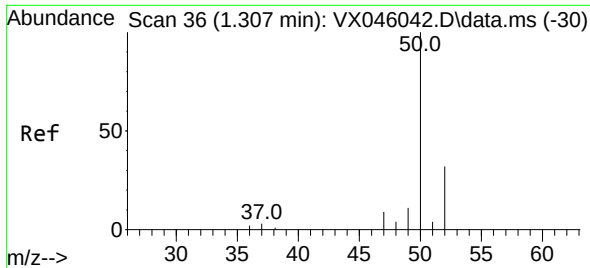
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#2
Dichlorodifluoromethane
Concen: 54.831 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

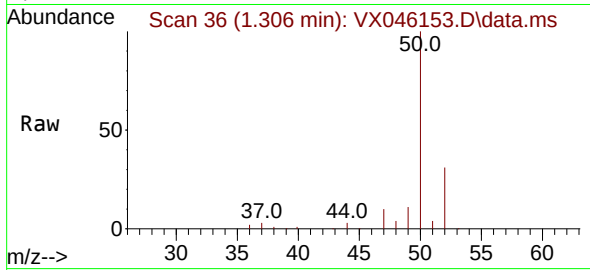
Tgt Ion: 85 Resp: 82665
Ion Ratio Lower Upper
85 100
87 32.3 15.7 47.1





#3
Chloromethane
Concen: 50.599 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

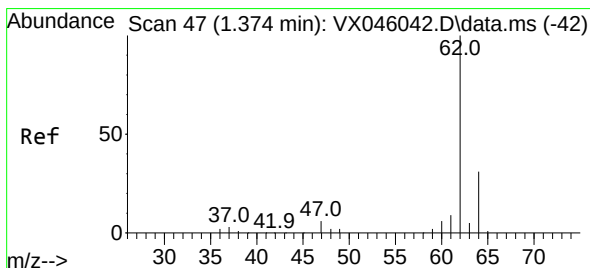
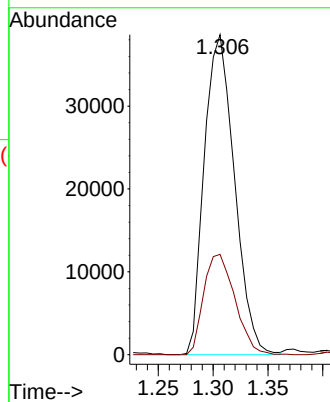
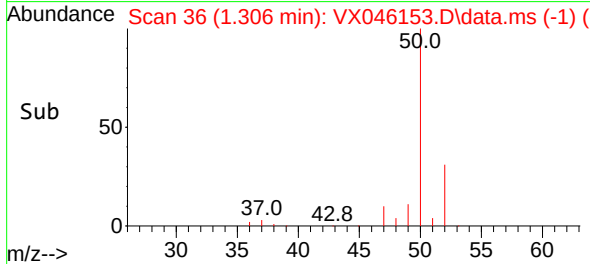
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 50 Resp: 7397
Ion Ratio Lower Upper
50 100
52 31.4 25.4 38.2

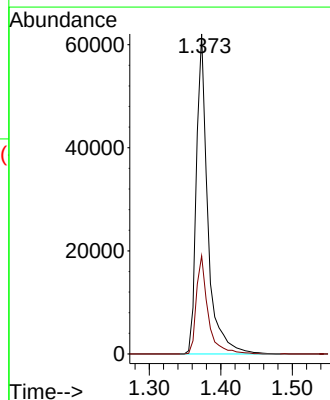
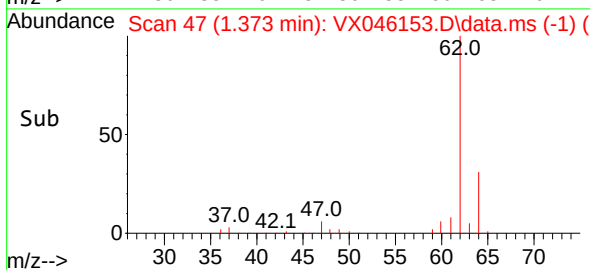
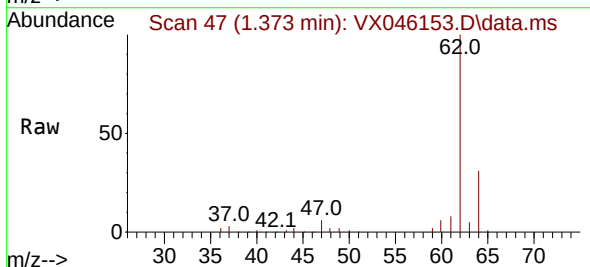
Manual Integrations
APPROVED

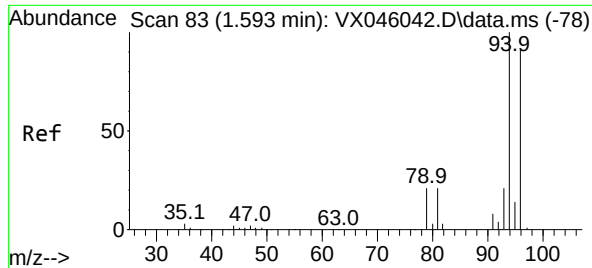
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#4
Vinyl Chloride
Concen: 50.372 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

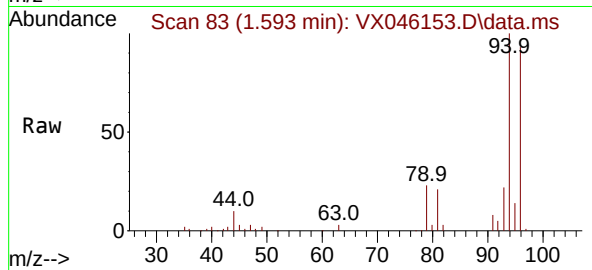
Tgt Ion: 62 Resp: 68541
Ion Ratio Lower Upper
62 100
64 30.7 25.2 37.8





#5
Bromomethane
Concen: 47.492 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

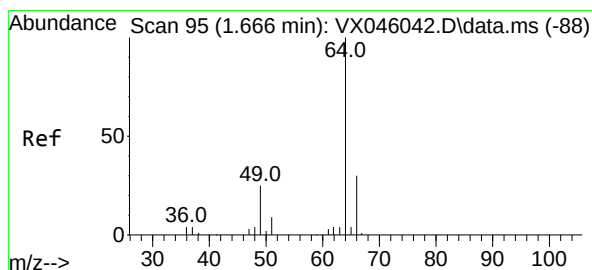
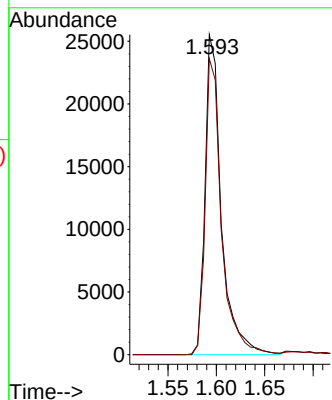
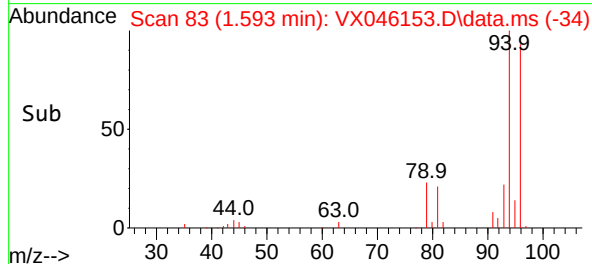
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 2997
Ion Ratio Lower Upper
94 100
96 92.5 72.8 109.2

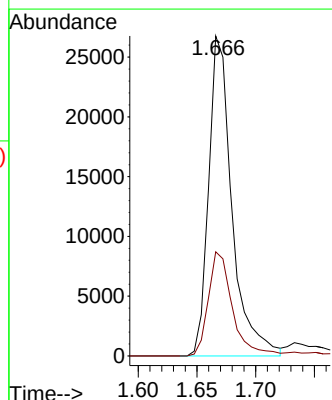
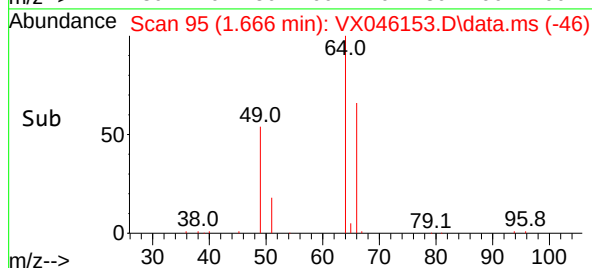
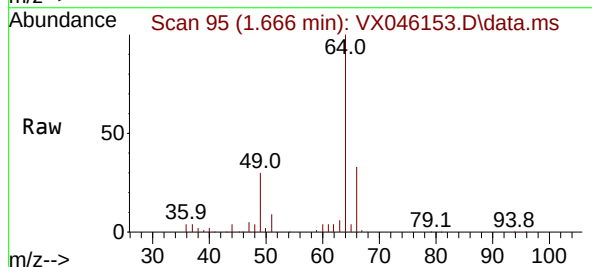
Manual Integrations
APPROVED

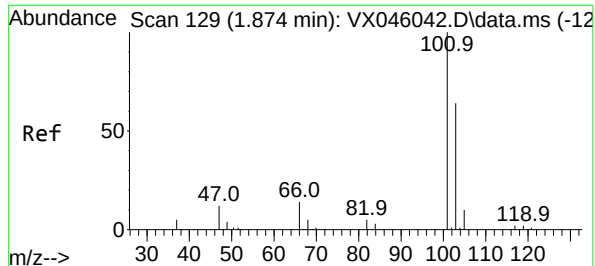
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#6
Chloroethane
Concen: 50.814 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

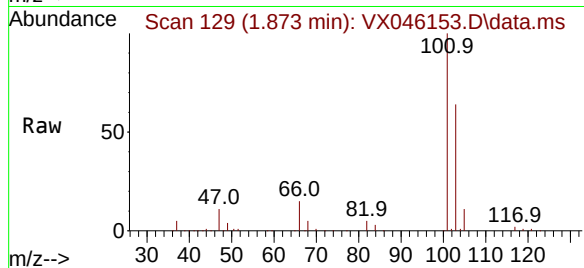
Tgt Ion: 64 Resp: 36911
Ion Ratio Lower Upper
64 100
66 32.5 24.3 36.5





#7
Trichlorofluoromethane
Concen: 52.202 ug/l
RT: 1.873 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

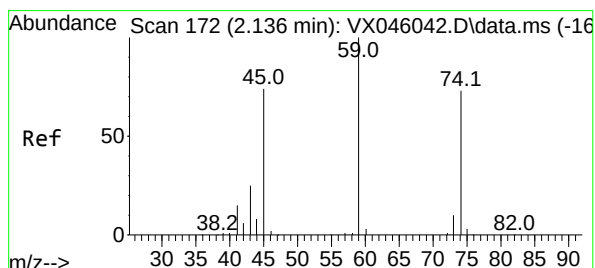
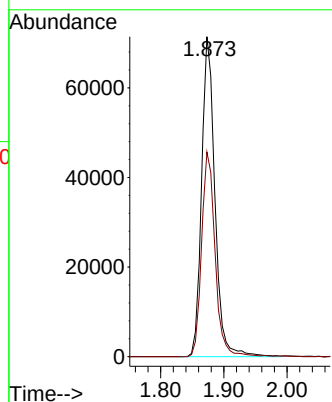
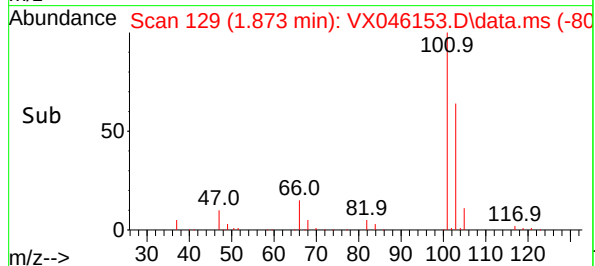
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 10497
Ion Ratio Lower Upper
101 100
103 64.0 51.0 76.4

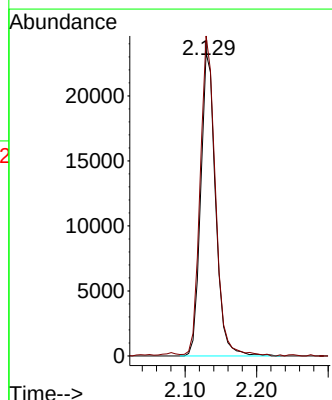
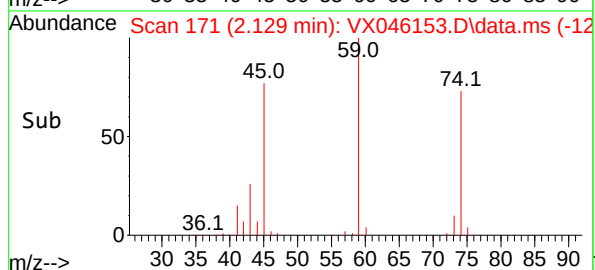
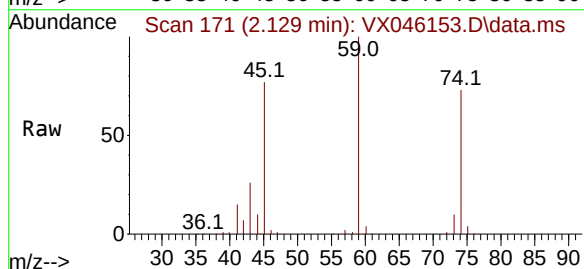
Manual Integrations
APPROVED

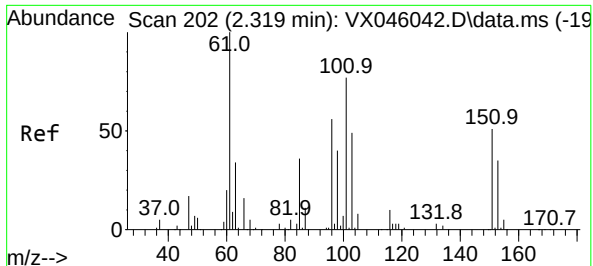
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#8
Diethyl Ether
Concen: 49.172 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.007 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Tgt Ion: 74 Resp: 33662
Ion Ratio Lower Upper
74 100
45 108.5 54.9 164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.683 ug/l

RT: 2.318 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:101 Resp: 64320

Ion Ratio Lower Upper

101 100

85 46.9 38.6 58.0

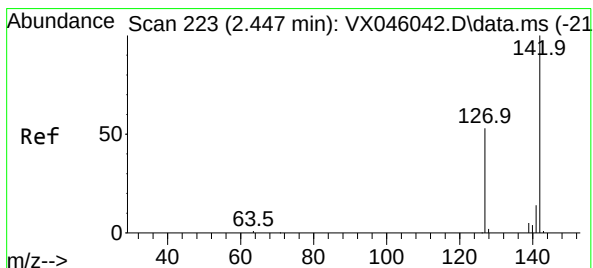
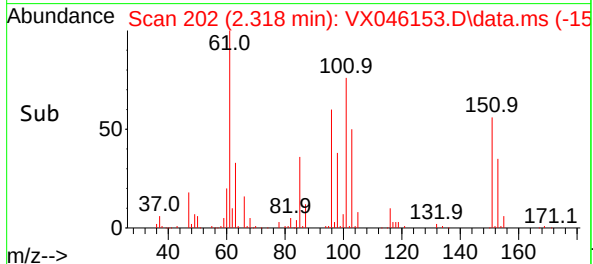
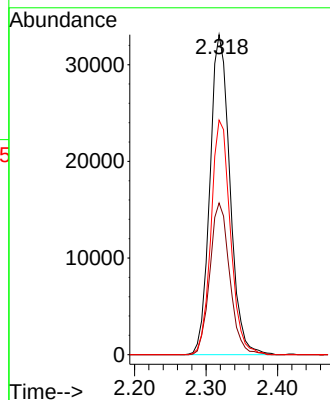
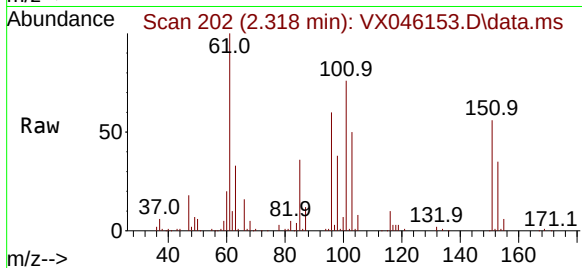
151 71.2 55.2 82.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#10

Methyl Iodide

Concen: 48.163 ug/l

RT: 2.446 min Scan# 223

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

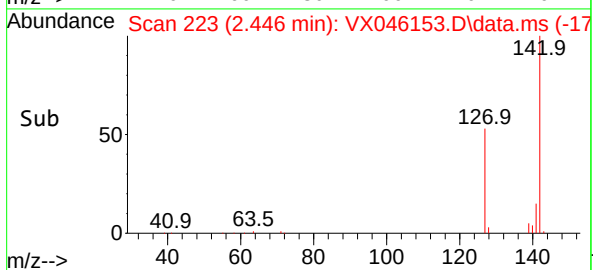
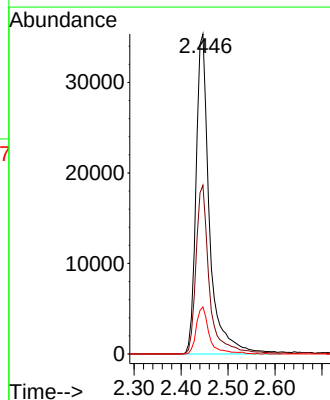
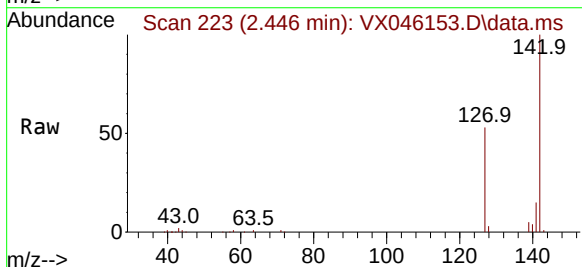
Tgt Ion:142 Resp: 70924

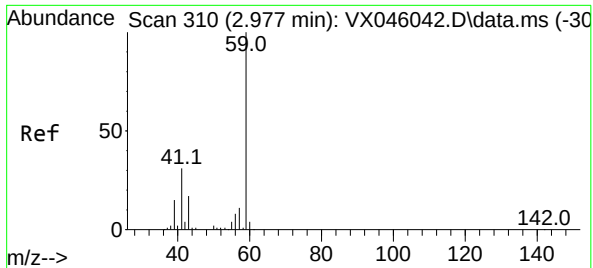
Ion Ratio Lower Upper

142 100

127 52.6 41.7 62.5

141 14.2 11.5 17.3





#11

Tert butyl alcohol

Concen: 243.884 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.007 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 6286

Ion Ratio Lower Upper

59 100

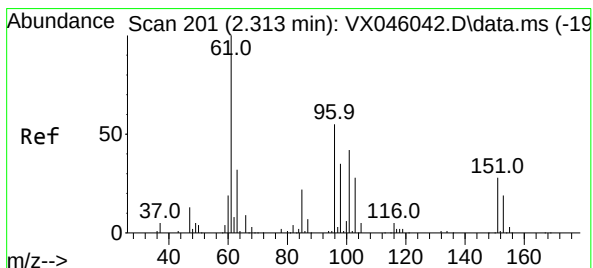
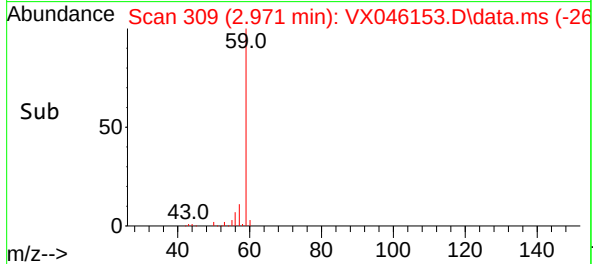
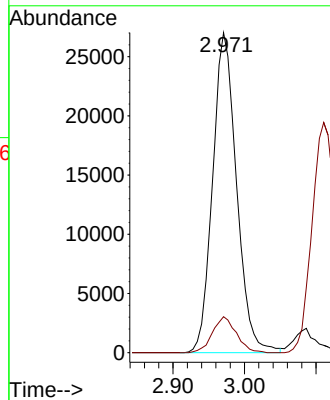
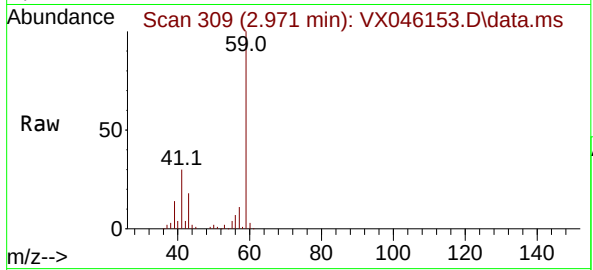
57 11.2 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#12

1,1-Dichloroethene

Concen: 48.725 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

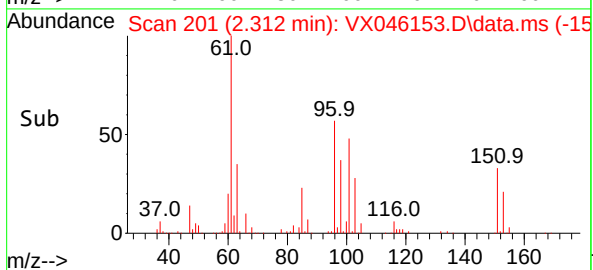
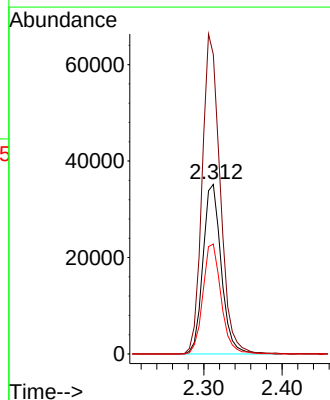
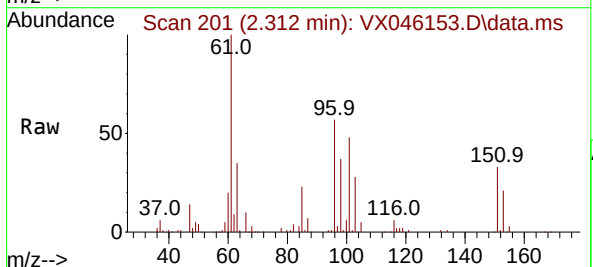
Tgt Ion: 96 Resp: 56910

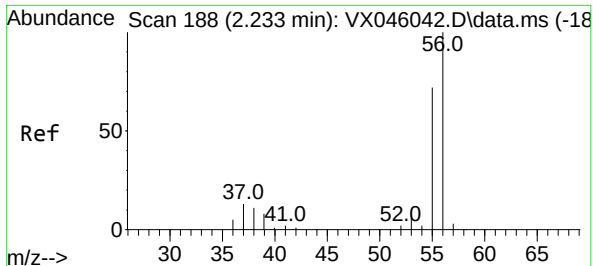
Ion Ratio Lower Upper

96 100

61 176.5 146.2 219.2

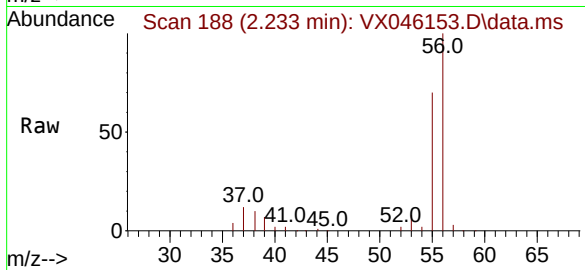
98 64.8 51.0 76.6





#13
Acrolein
Concen: 285.492 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

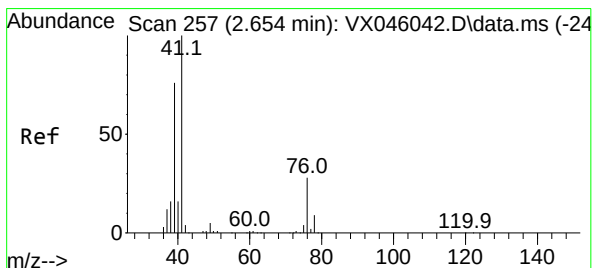
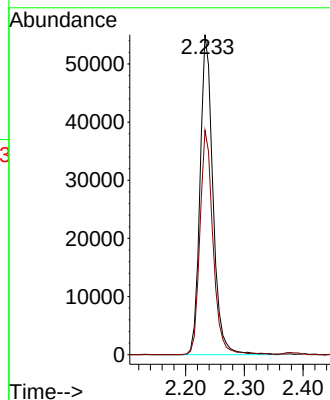
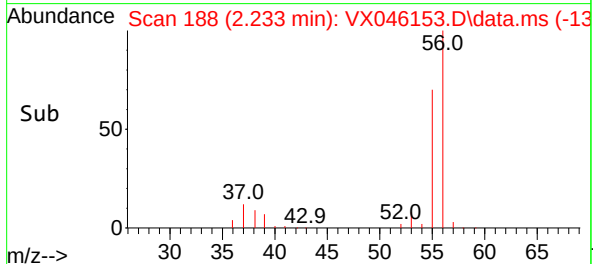
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 83810
Ion Ratio Lower Upper
56 100
55 71.4 56.2 84.4

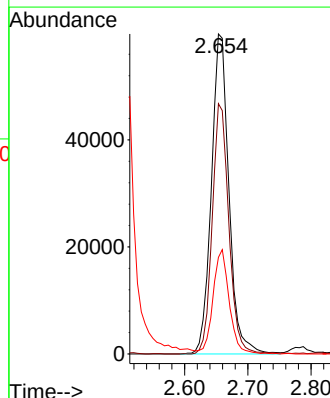
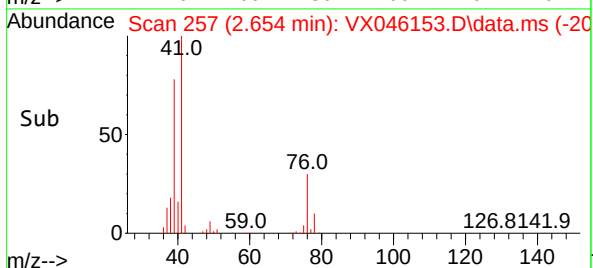
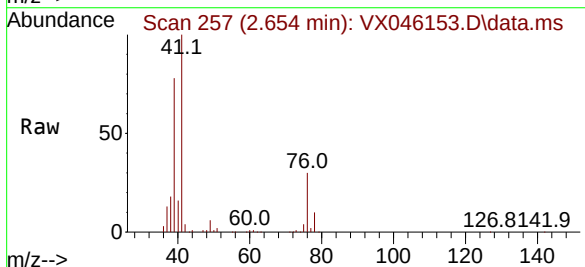
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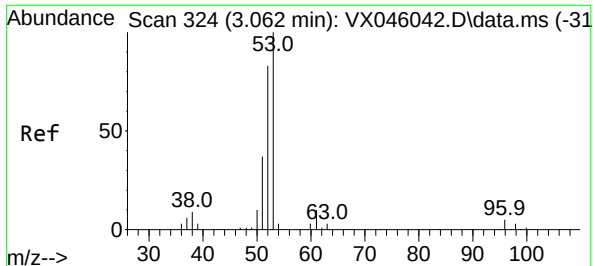
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#14
Allyl chloride
Concen: 51.734 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Tgt Ion: 41 Resp: 115482
Ion Ratio Lower Upper
41 100
39 74.0 60.6 90.8
76 30.2 24.9 37.3





#15

Acrylonitrile

Concen: 256.923 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 18937

Ion Ratio Lower Upper

53 100

52 82.5 65.3 97.9

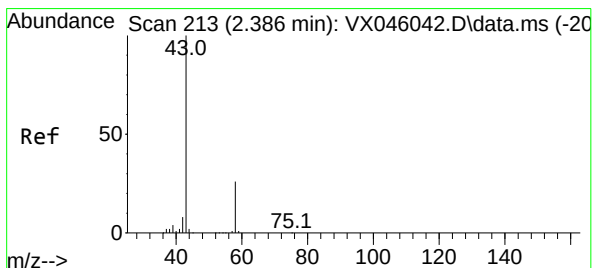
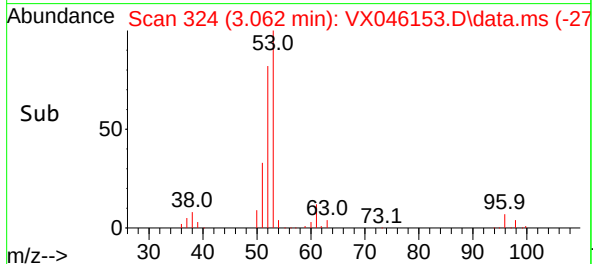
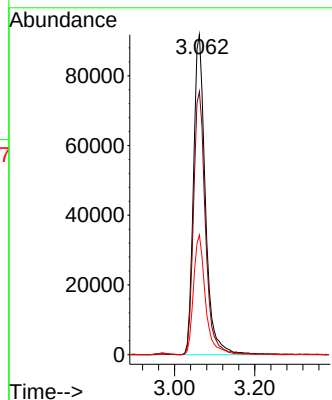
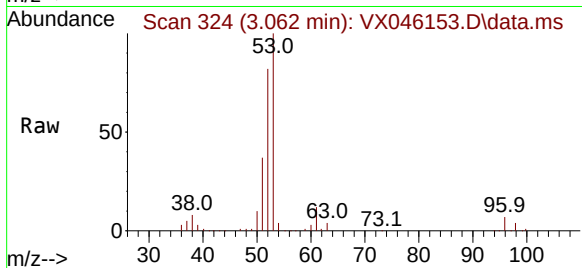
51 37.8 29.8 44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#16

Acetone

Concen: 274.202 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.007 min

Lab File: VX046153.D

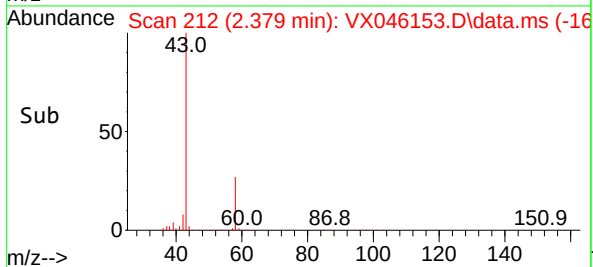
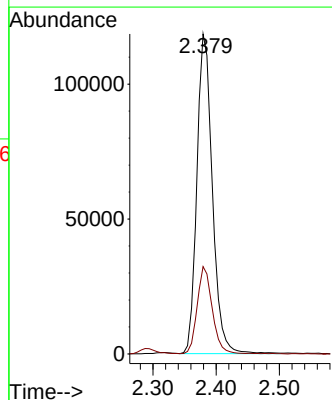
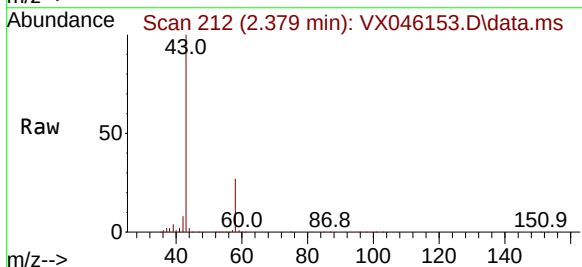
Acq: 13 May 2025 10:00

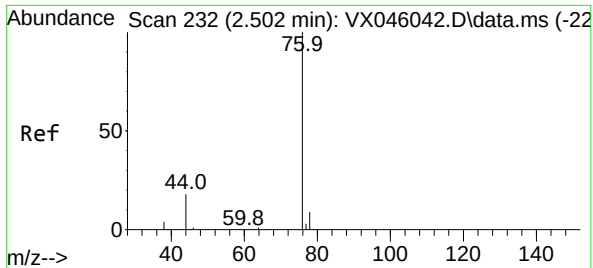
Tgt Ion: 43 Resp: 201897

Ion Ratio Lower Upper

43 100

58 27.2 21.2 31.8





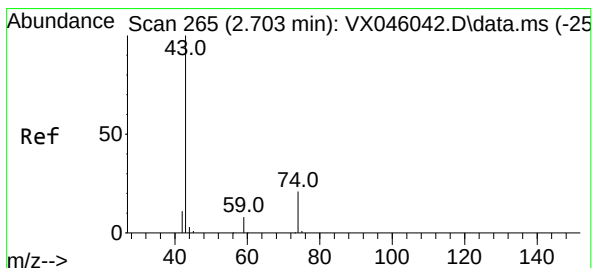
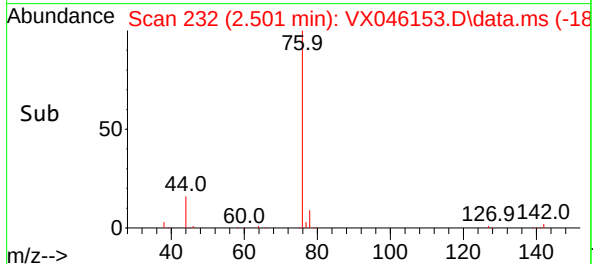
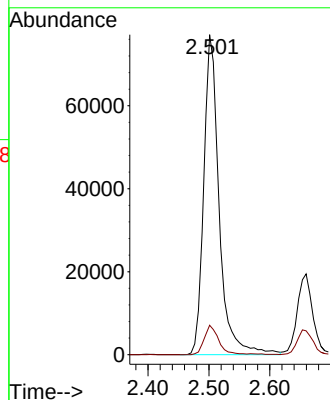
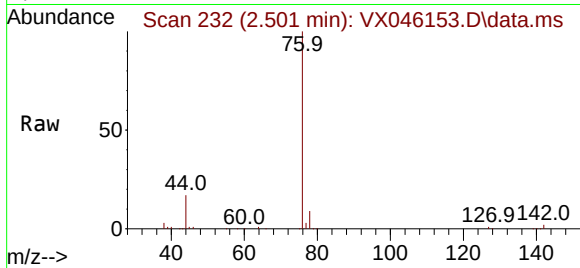
#17
Carbon Disulfide
Concen: 48.923 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 135470
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4

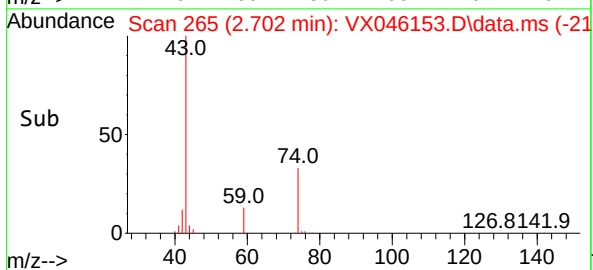
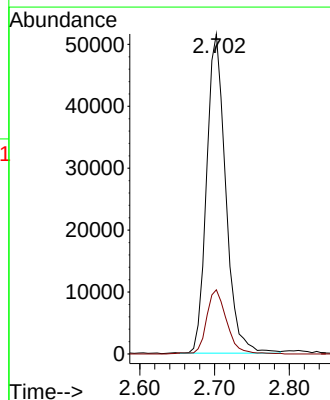
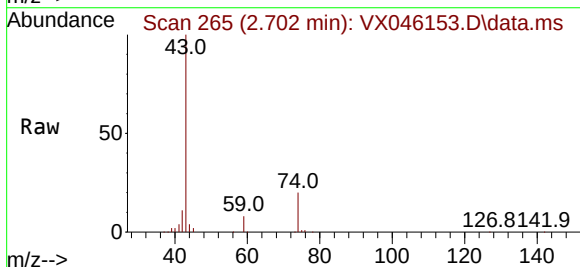
Manual Integrations
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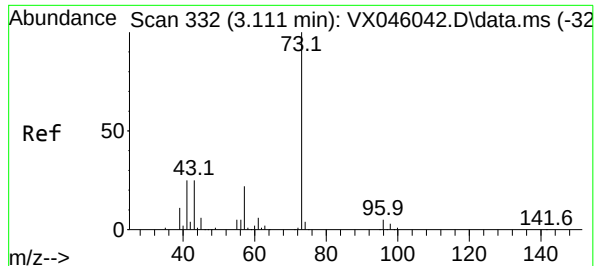
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#18
Methyl Acetate
Concen: 53.463 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Tgt Ion: 43 Resp: 91348
Ion Ratio Lower Upper
43 100
74 21.3 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 51.273 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 20995

Ion Ratio Lower Upper

73 100

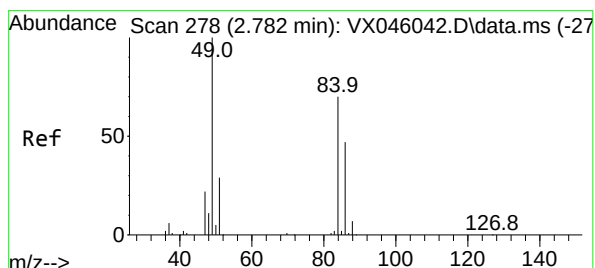
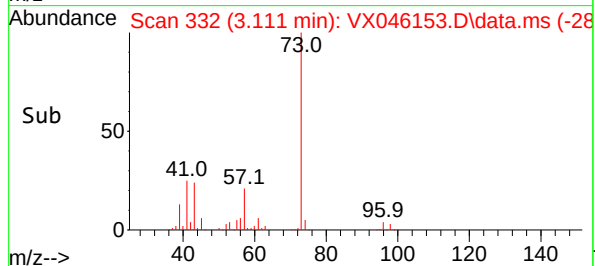
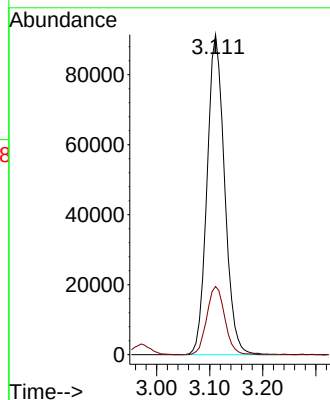
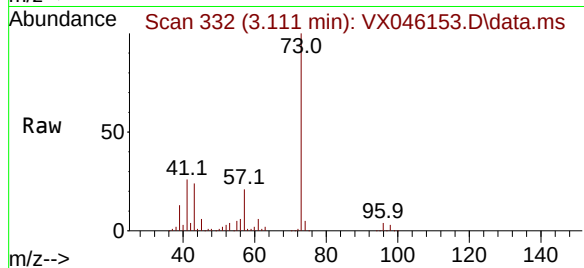
57 21.3 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#20

Methylene Chloride

Concen: 46.617 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Tgt Ion: 84 Resp: 65777

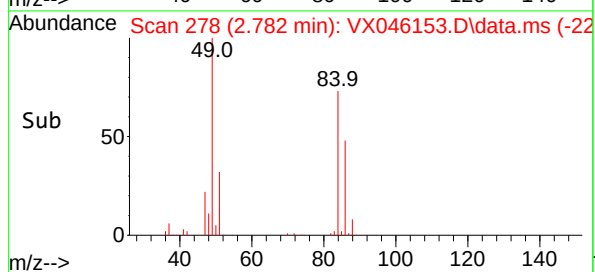
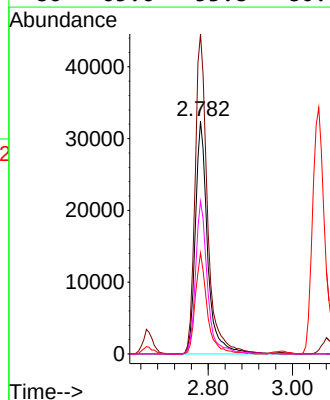
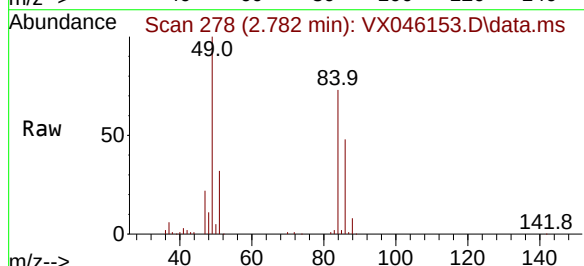
Ion Ratio Lower Upper

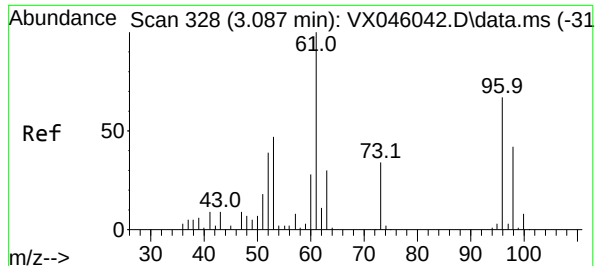
84 100

49 137.4 113.9 170.9

51 43.4 33.5 50.3

86 65.6 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 49.427 ug/l

RT: 3.086 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 5805

Ion Ratio Lower Upper

96 100

61 151.2 119.5 179.3

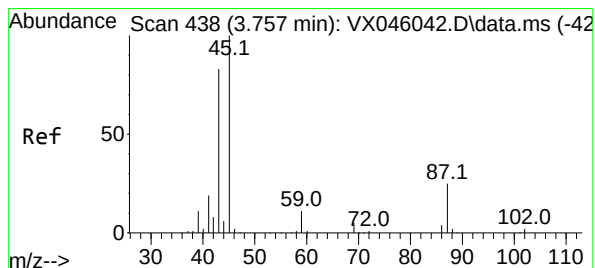
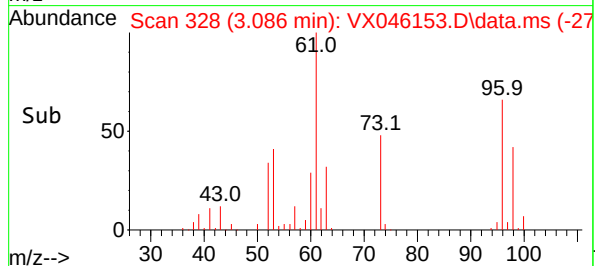
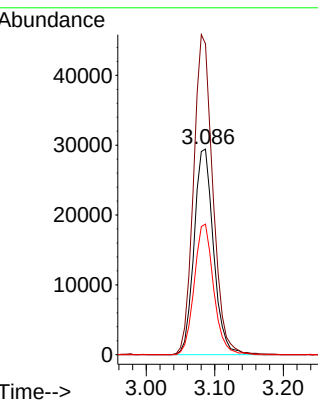
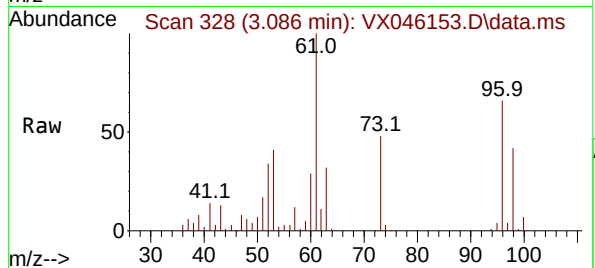
98 63.5 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#22

Diisopropyl ether

Concen: 51.279 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Tgt Ion: 45 Resp: 221111

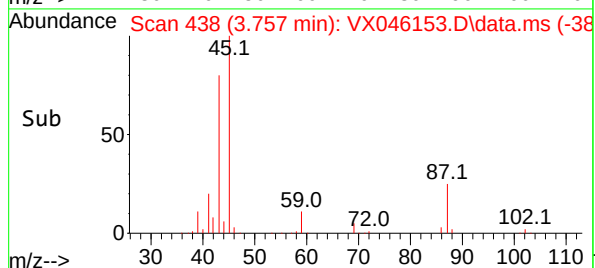
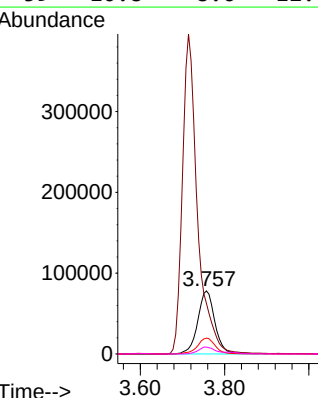
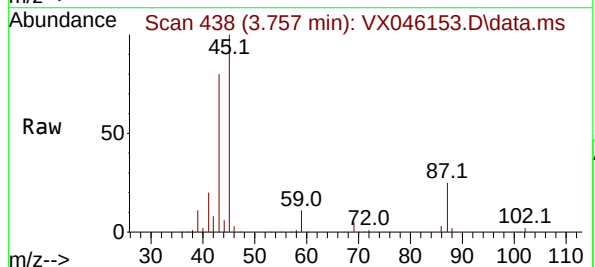
Ion Ratio Lower Upper

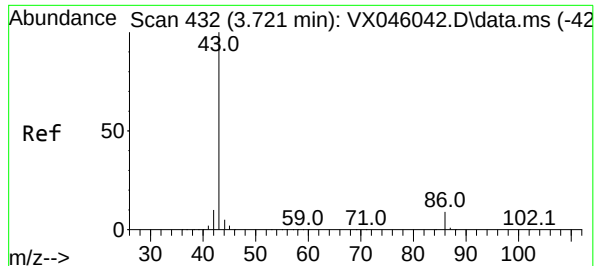
45 100

43 80.2 66.6 100.0

87 25.2 19.8 29.6

59 10.8 8.6 12.8





#23

Vinyl Acetate

Concen: 259.937 ug/l

RT: 3.714 min Scan# 411

Delta R.T. -0.007 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 985800

Ion Ratio Lower Upper

43 100

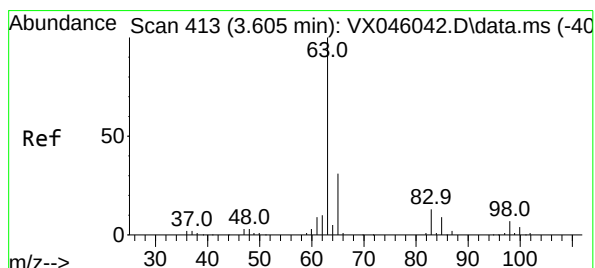
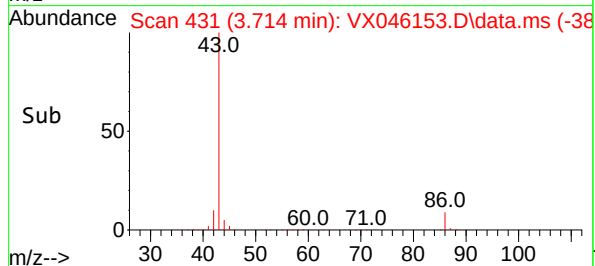
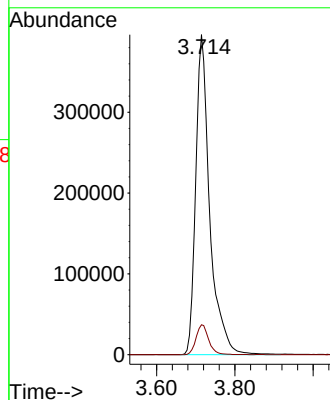
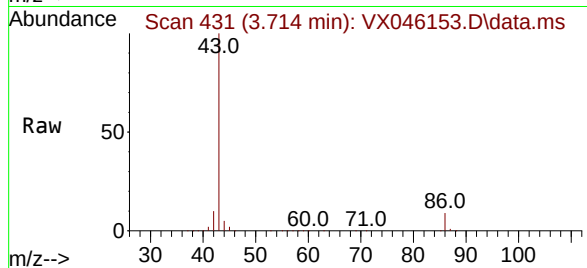
86 9.3 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#24

1,1-Dichloroethane

Concen: 50.473 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.007 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

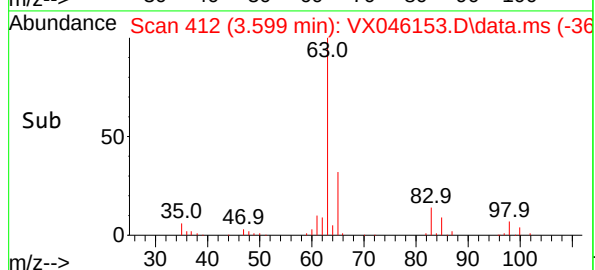
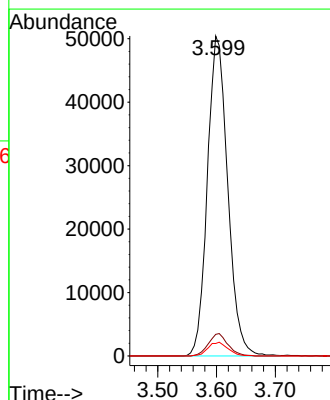
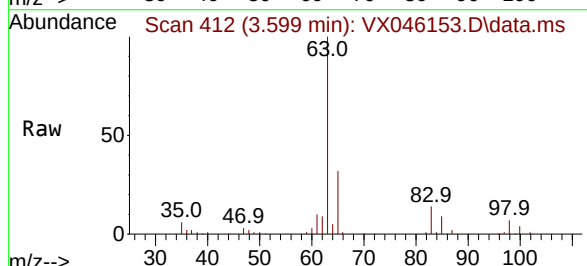
Tgt Ion: 63 Resp: 121218

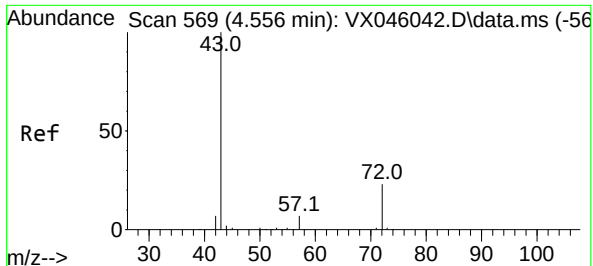
Ion Ratio Lower Upper

63 100

98 6.7 3.6 10.8

100 3.9 2.1 6.3





#25

2-Butanone

Concen: 258.541 ug/l

RT: 4.550 min Scan# 569

Delta R.T. -0.007 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 276370

Ion Ratio Lower Upper

43 100

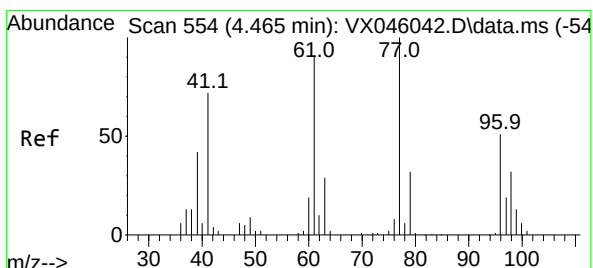
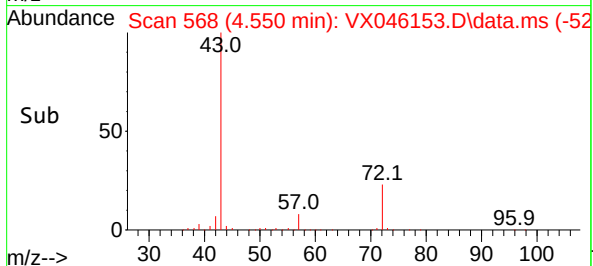
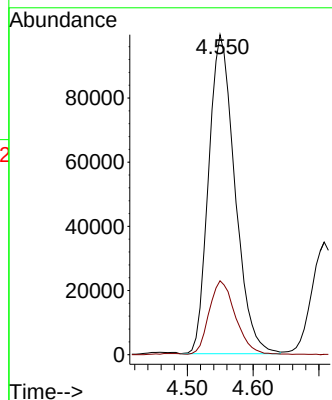
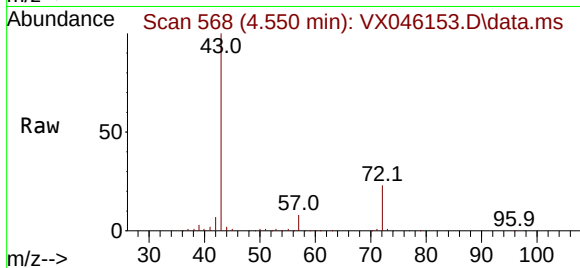
72 23.0 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#26

2,2-Dichloropropane

Concen: 52.058 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX046153.D

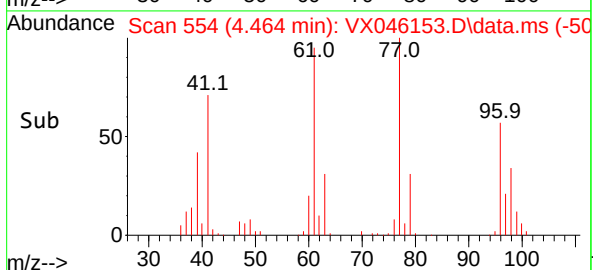
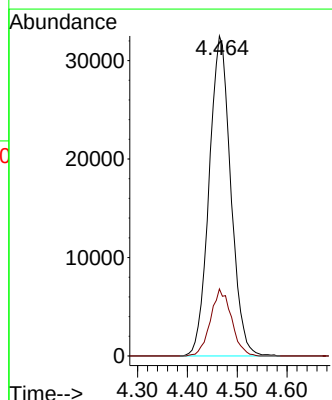
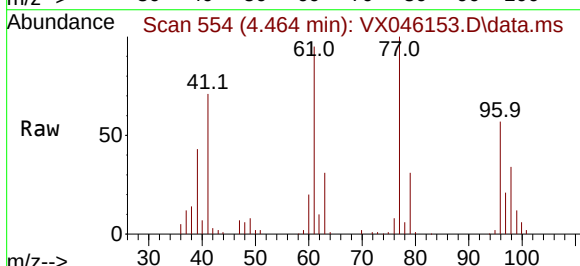
Acq: 13 May 2025 10:00

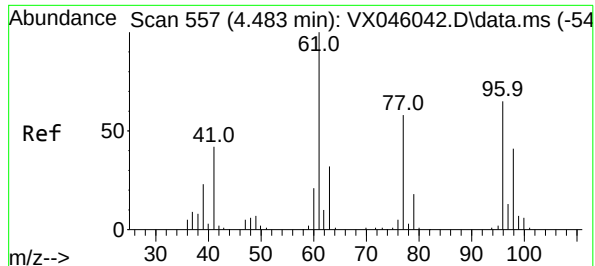
Tgt Ion: 77 Resp: 97857

Ion Ratio Lower Upper

77 100

97 20.3 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 49.788 ug/l

RT: 4.476 min Scan# 557

Delta R.T. -0.007 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 7040

Ion Ratio Lower Upper

96 100

61 161.8 0.0 322.8

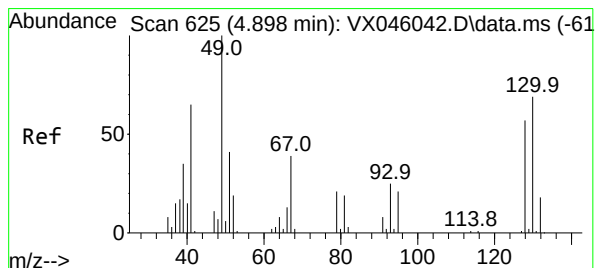
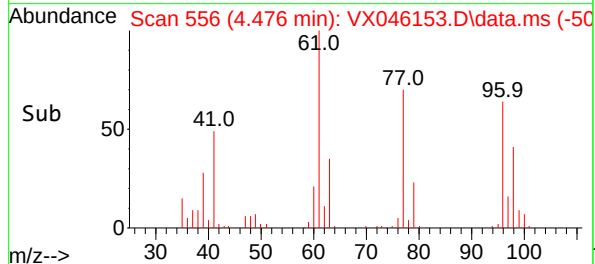
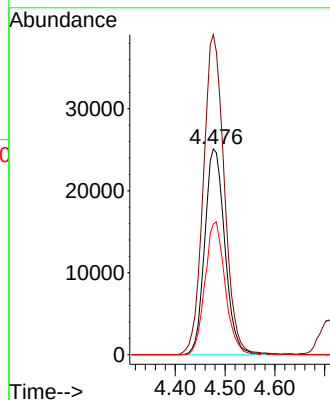
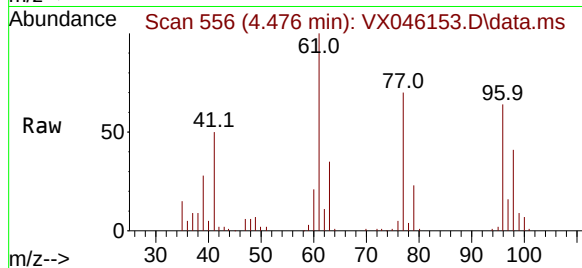
98 64.5 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#28

Bromochloromethane

Concen: 52.554 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.013 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

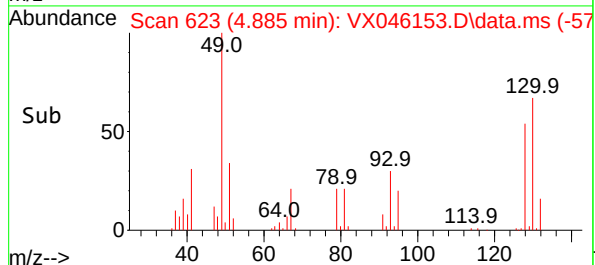
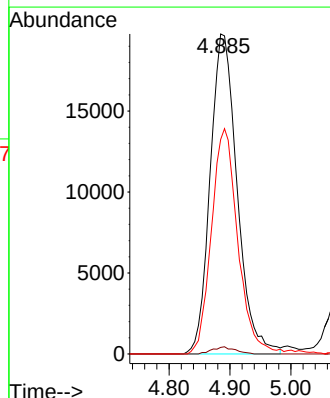
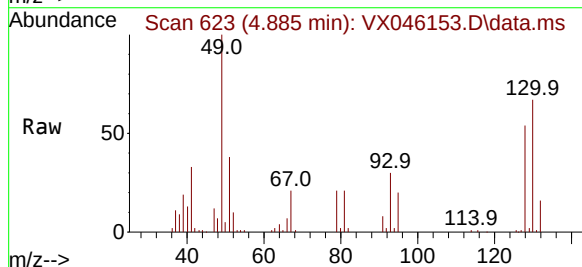
Tgt Ion: 49 Resp: 60754

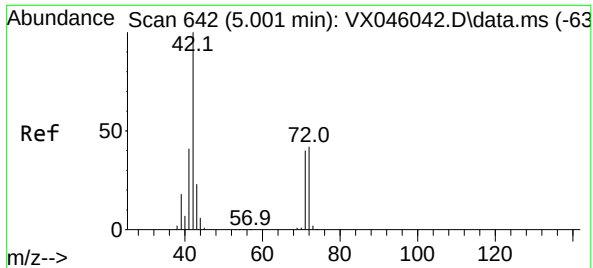
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

130 68.8 56.2 84.2





#29

Tetrahydrofuran

Concen: 252.509 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 169140

Ion Ratio Lower Upper

42 100

72 41.1 33.7 50.5

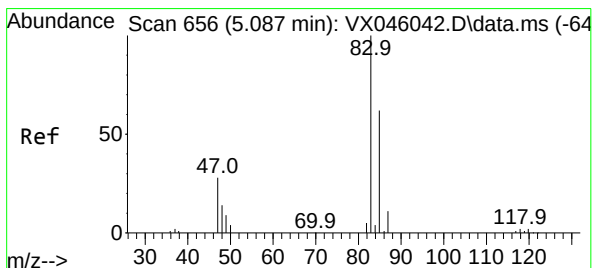
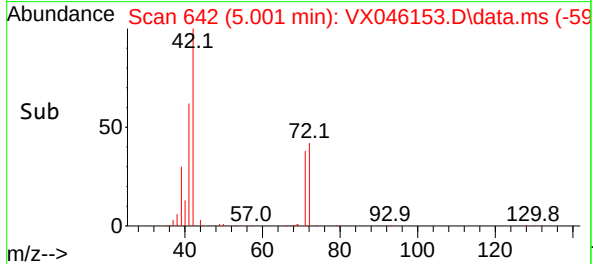
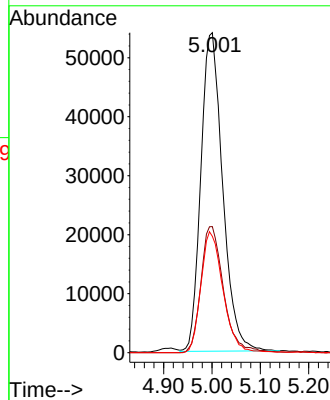
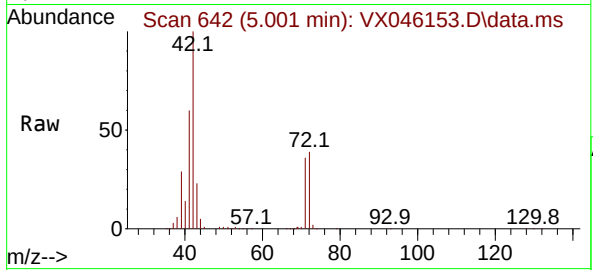
71 38.4 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#30

Chloroform

Concen: 51.150 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.007 min

Lab File: VX046153.D

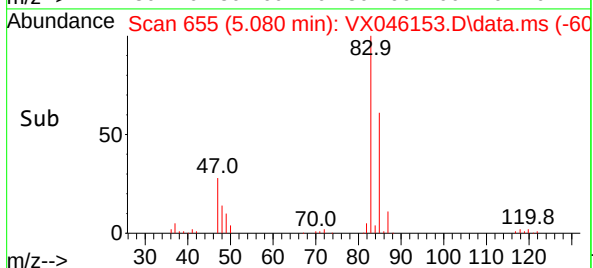
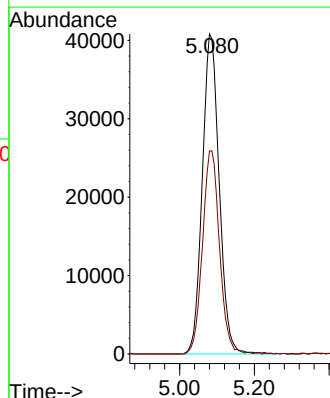
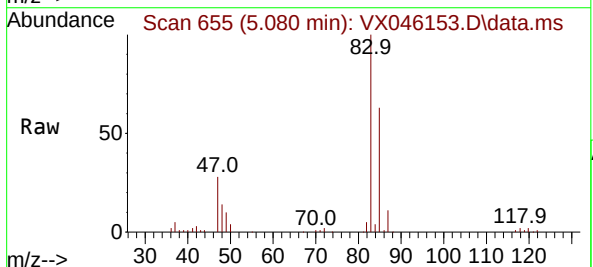
Acq: 13 May 2025 10:00

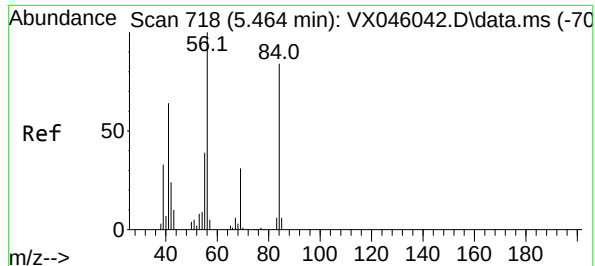
Tgt Ion: 83 Resp: 128041

Ion Ratio Lower Upper

83 100

85 63.4 49.3 73.9





#31

Cyclohexane

Concen: 48.684 ug/l

RT: 5.458 min Scan# 718

Delta R.T. -0.007 min

Lab File: VX046153.D

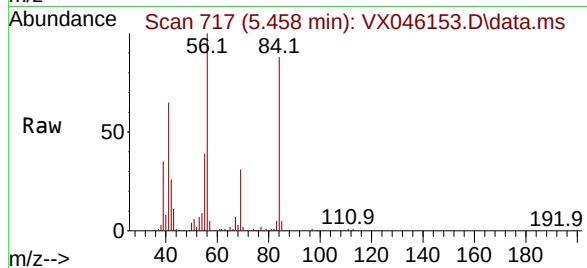
Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



Tgt Ion: 56 Resp: 10654

Ion Ratio Lower Upper

56 100

69 31.3 24.4 36.6

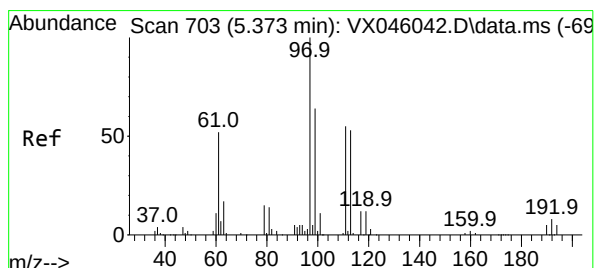
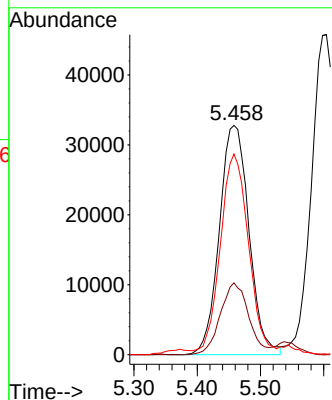
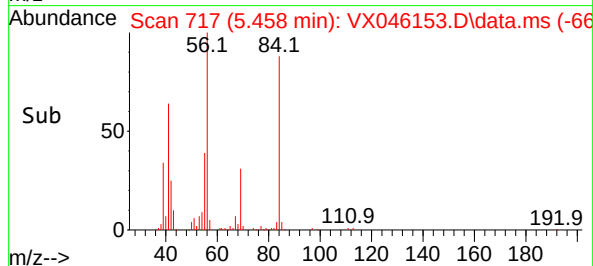
84 85.1 66.9 100.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#32

1,1,1-Trichloroethane

Concen: 50.711 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

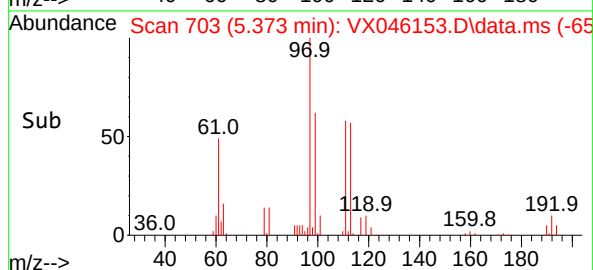
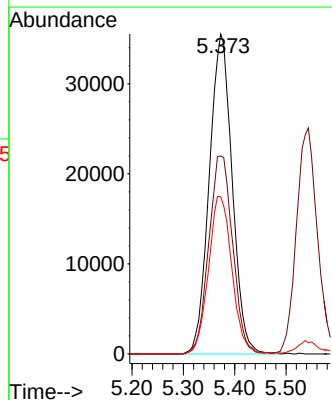
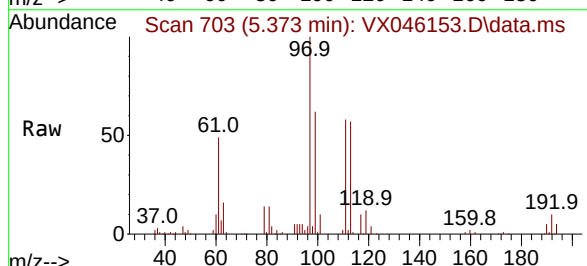
Tgt Ion: 97 Resp: 110040

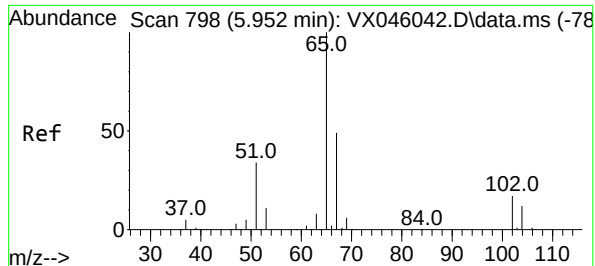
Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

61 50.3 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 48.218 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.007 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 88548

Ion Ratio Lower Upper

65 100

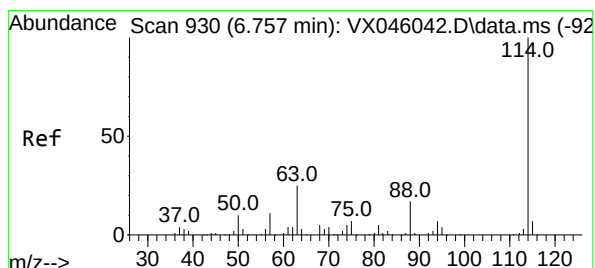
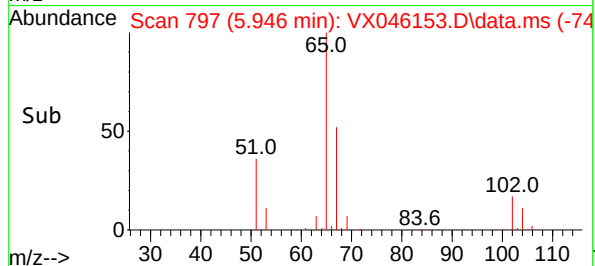
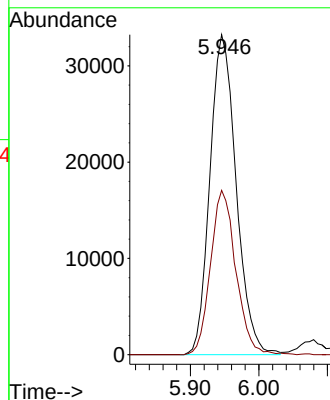
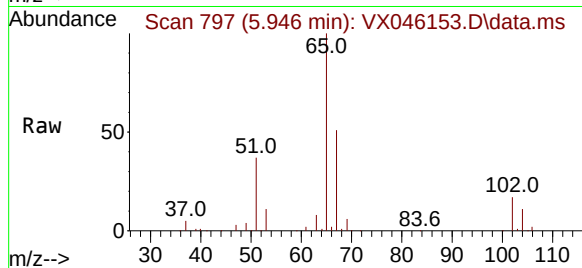
67 49.5 0.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.750 min Scan# 929

Delta R.T. -0.007 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

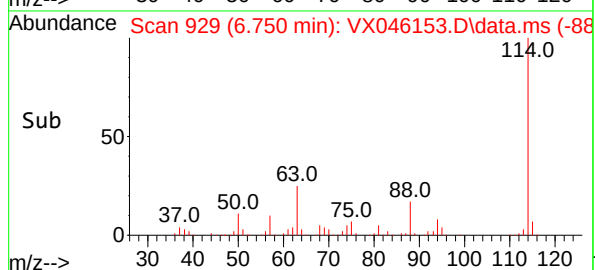
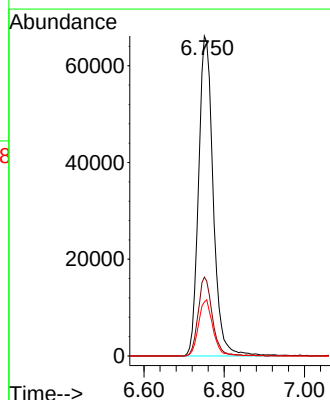
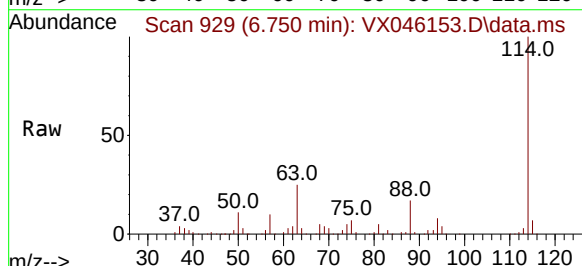
Tgt Ion:114 Resp: 167387

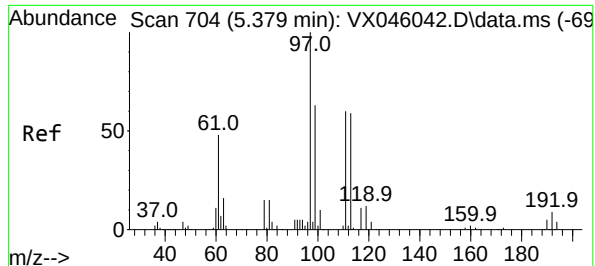
Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.2

88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 51.505 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 6208

Ion Ratio Lower Upper

113 100

111 100.9 83.1 124.7

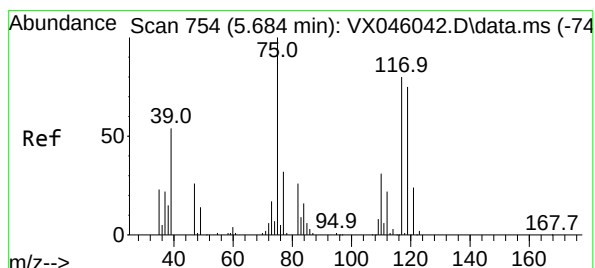
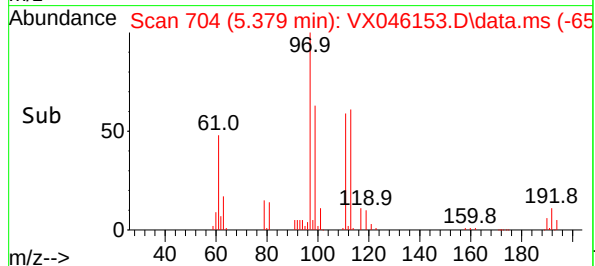
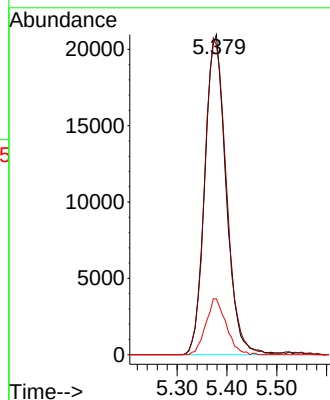
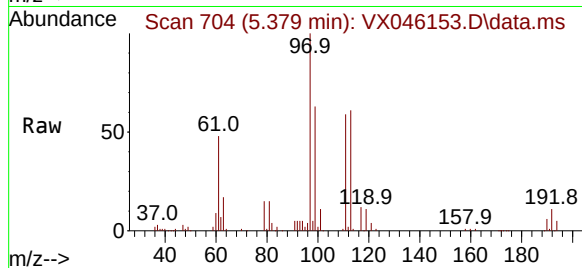
192 16.8 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#36

1,1-Dichloropropene

Concen: 49.767 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

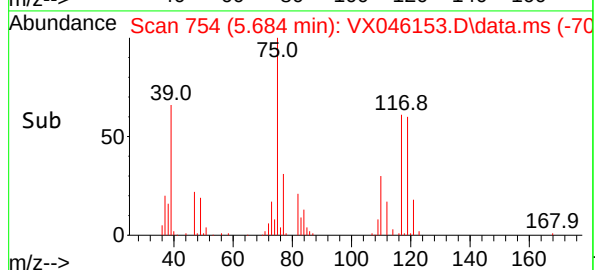
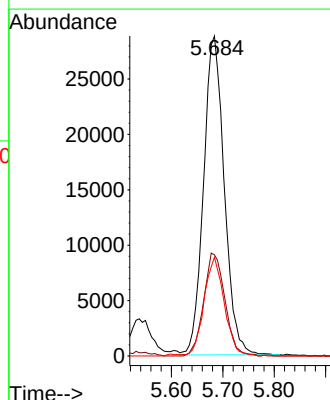
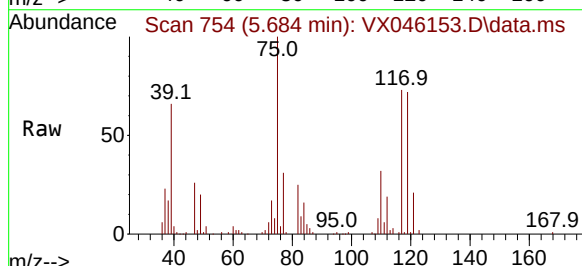
Tgt Ion: 75 Resp: 80599

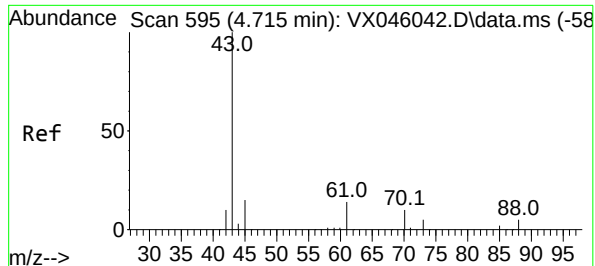
Ion Ratio Lower Upper

75 100

110 33.0 16.3 48.9

77 30.2 24.3 36.5





#37

Ethyl Acetate

Concen: 50.711 ug/l

RT: 4.708 min Scan# 594

Delta R.T. -0.007 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 101469

Ion Ratio Lower Upper

43 100

61 12.2 10.3 15.5

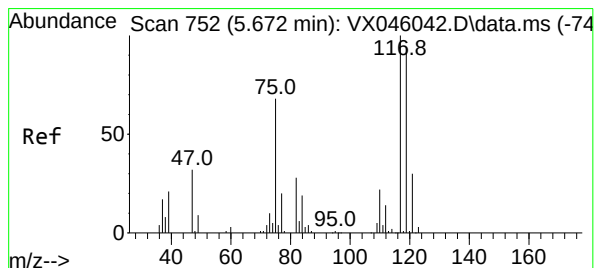
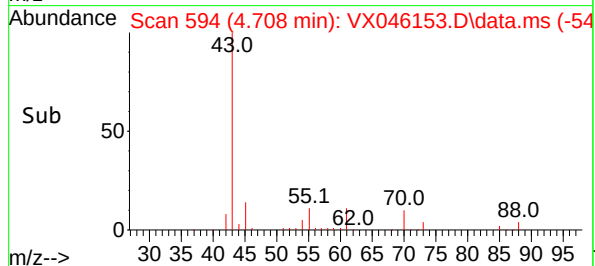
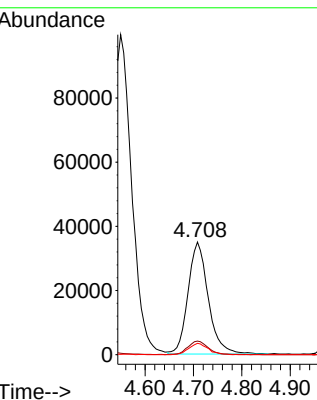
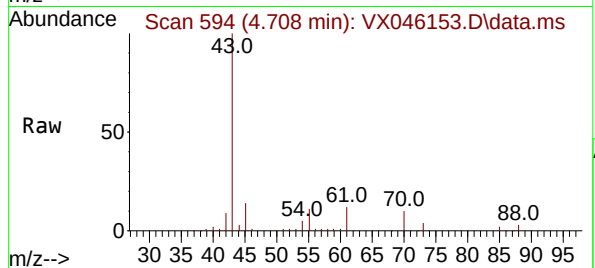
70 9.6 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#38

Carbon Tetrachloride

Concen: 52.757 ug/l

RT: 5.665 min Scan# 751

Delta R.T. -0.007 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

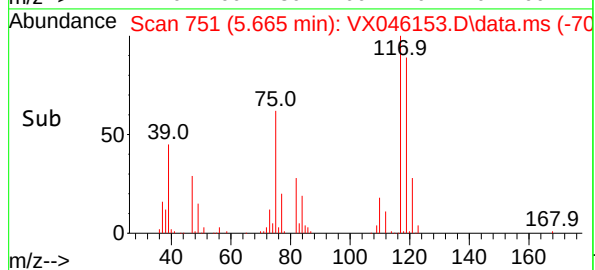
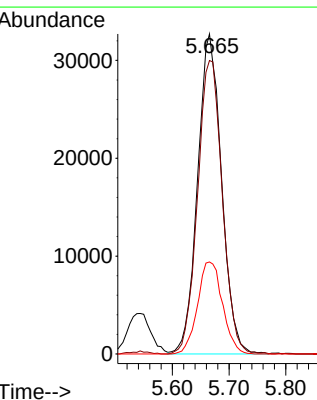
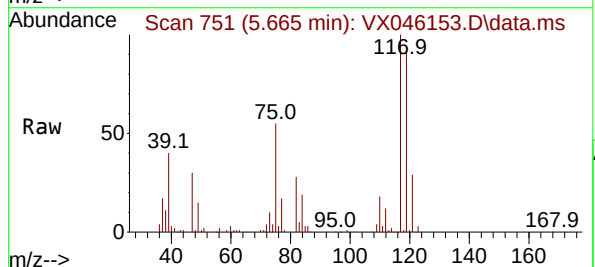
Tgt Ion:117 Resp: 96000

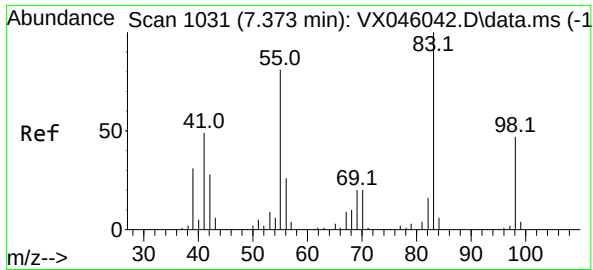
Ion Ratio Lower Upper

117 100

119 91.7 75.2 112.8

121 28.8 24.2 36.4





#39

Methylcyclohexane

Concen: 49.874 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 10398

Ion Ratio Lower Upper

83 100

55 86.4 64.7 97.1

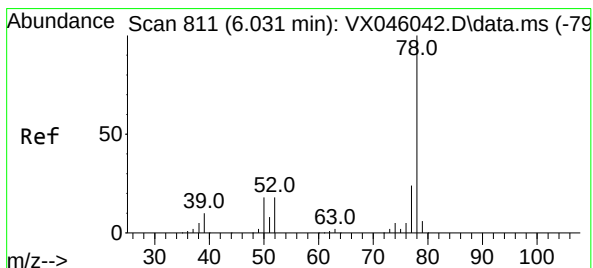
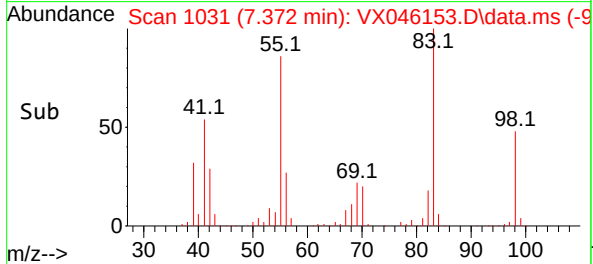
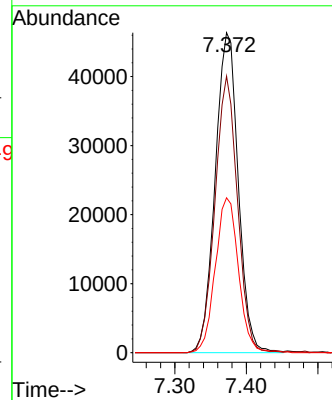
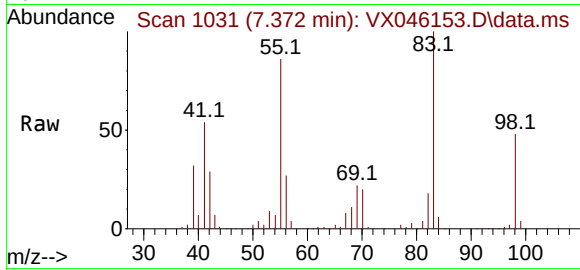
98 48.4 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#40

Benzene

Concen: 50.821 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX046153.D

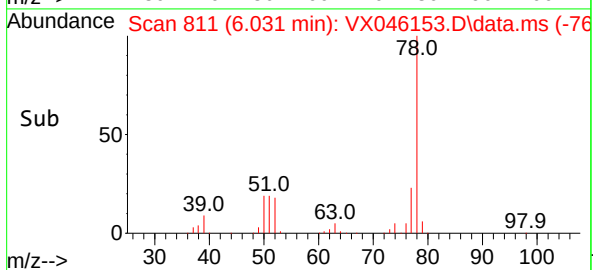
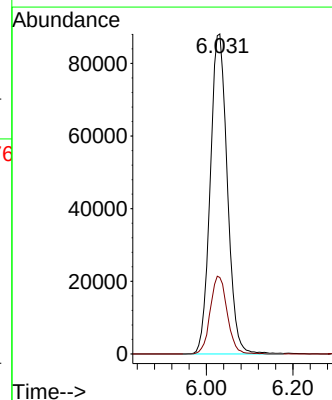
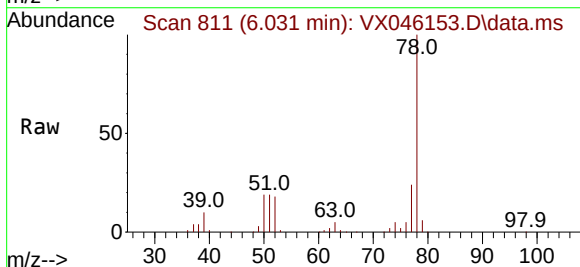
Acq: 13 May 2025 10:00

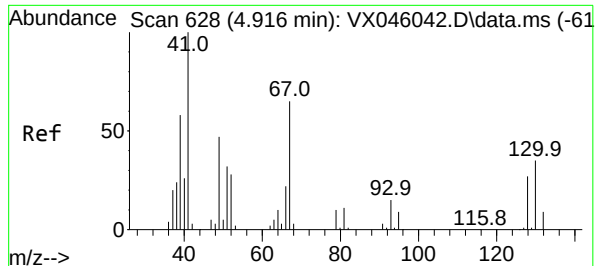
Tgt Ion: 78 Resp: 241084

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.4





#41

Methacrylonitrile

Concen: 55.803 ug/l

RT: 4.909 min Scan# 61

Delta R.T. -0.007 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 58409

Ion Ratio Lower Upper

41 100

39 56.9 47.2 70.8

67 64.8 50.7 76.1

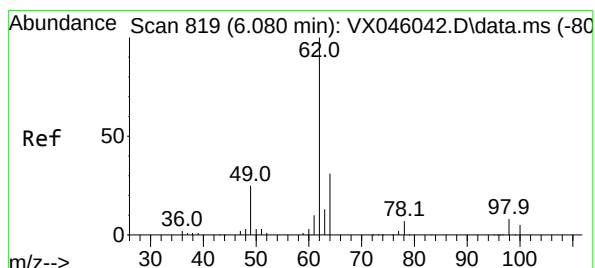
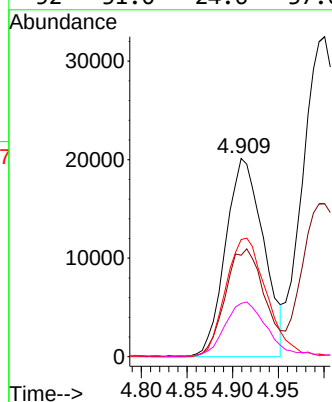
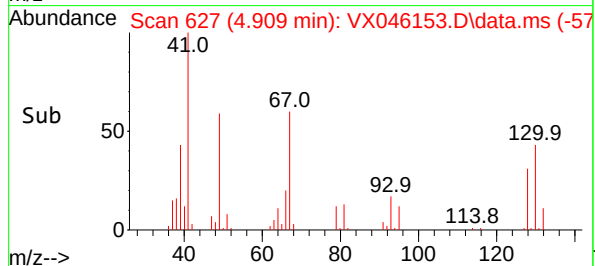
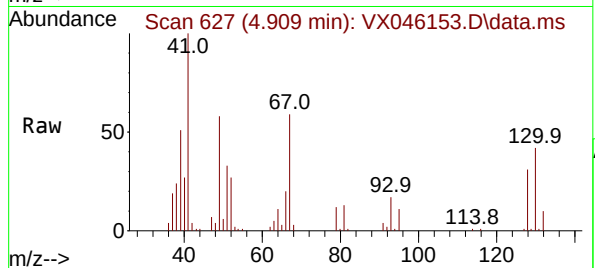
52 31.0 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#42

1,2-Dichloroethane

Concen: 51.108 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.007 min

Lab File: VX046153.D

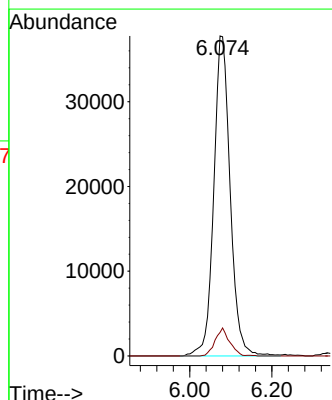
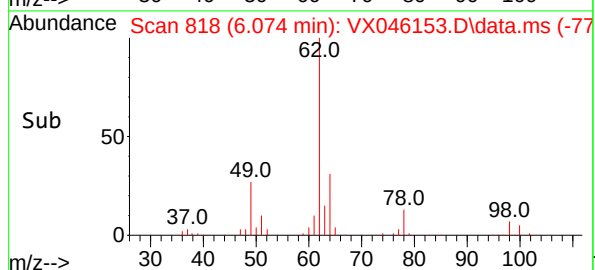
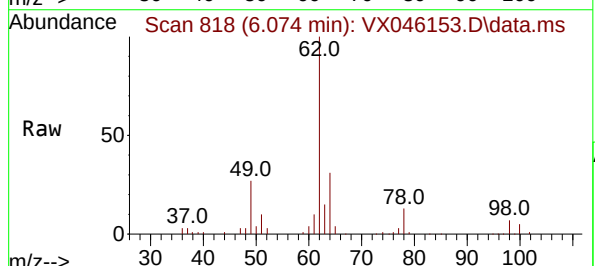
Acq: 13 May 2025 10:00

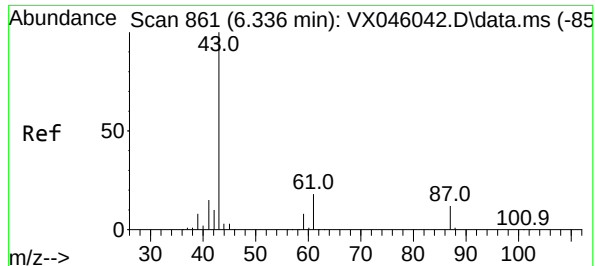
Tgt Ion: 62 Resp: 104637

Ion Ratio Lower Upper

62 100

98 7.8 0.0 15.2





#43

Isopropyl Acetate

Concen: 52.712 ug/l

RT: 6.336 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 16090

Ion Ratio Lower Upper

43 100

61 17.7 14.3 21.5

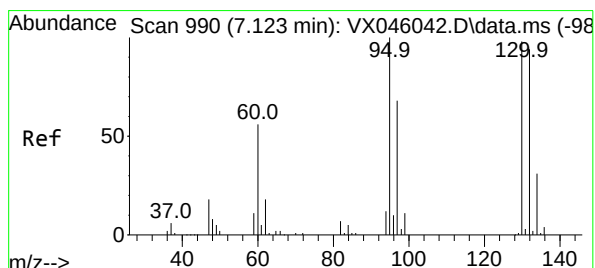
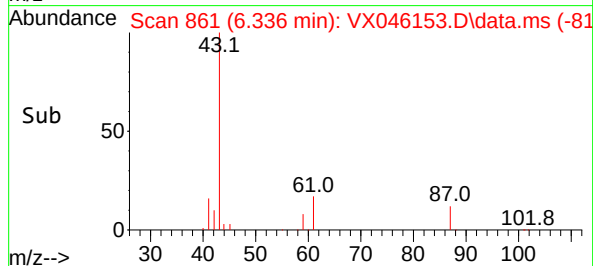
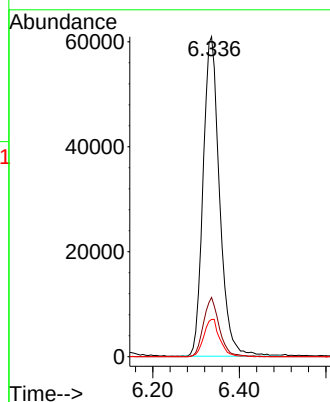
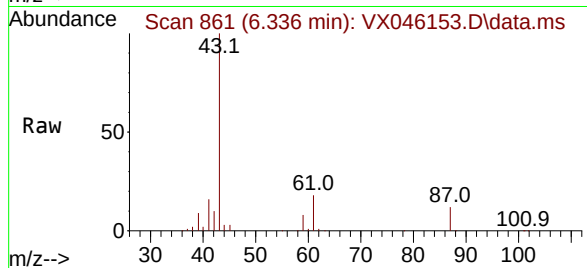
87 11.3 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#44

Trichloroethene

Concen: 50.391 ug/l

RT: 7.116 min Scan# 989

Delta R.T. -0.007 min

Lab File: VX046153.D

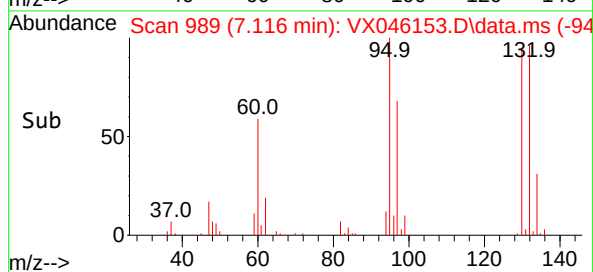
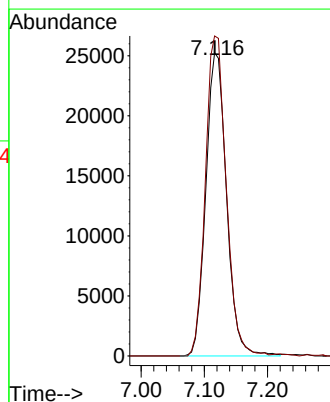
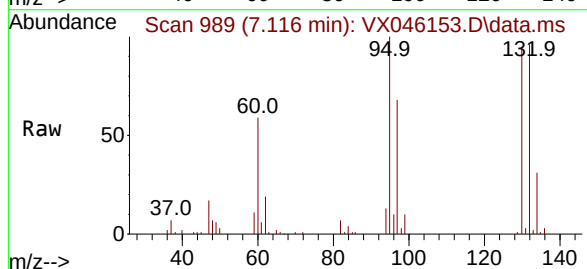
Acq: 13 May 2025 10:00

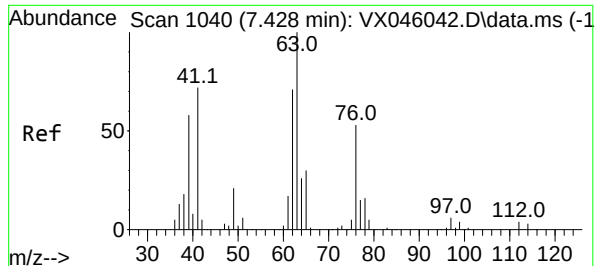
Tgt Ion:130 Resp: 57533

Ion Ratio Lower Upper

130 100

95 105.5 0.0 204.2





#45

1,2-Dichloropropane

Concen: 52.547 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 6198

Ion Ratio Lower Upper

63 100

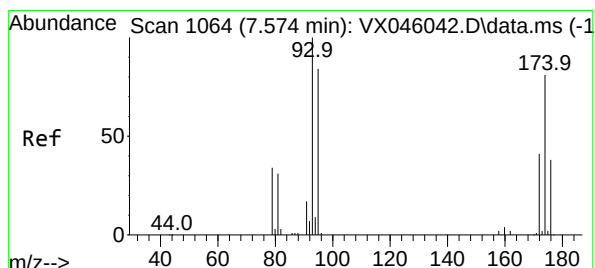
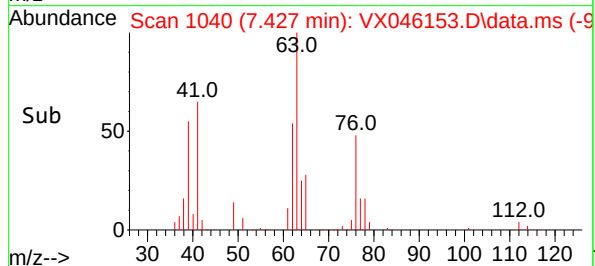
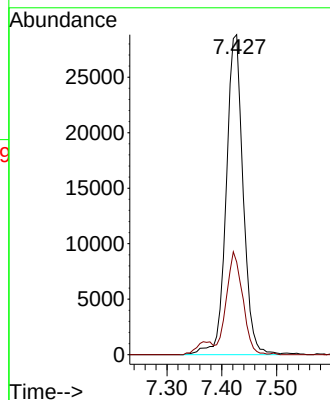
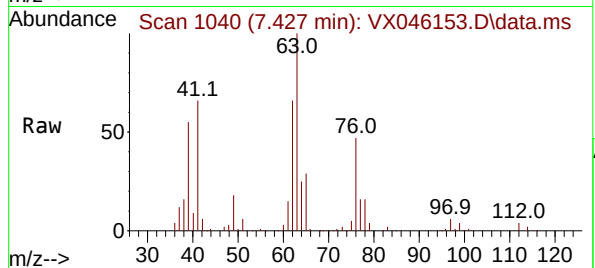
65 28.9 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#46

Dibromomethane

Concen: 51.357 ug/l

RT: 7.573 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

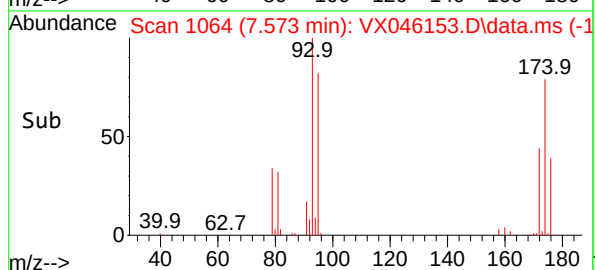
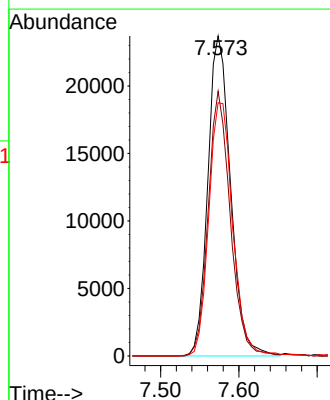
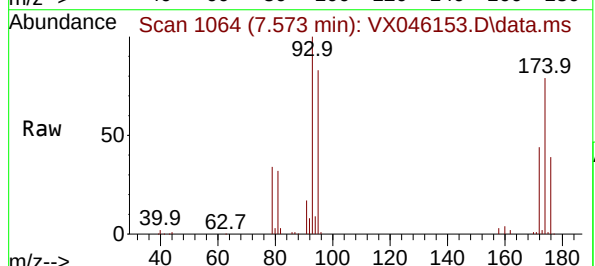
Tgt Ion: 93 Resp: 47779

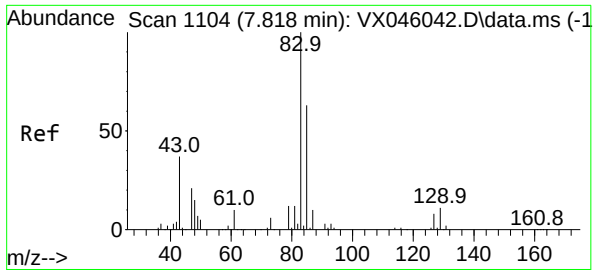
Ion Ratio Lower Upper

93 100

95 80.4 65.6 98.4

174 83.5 68.2 102.2





#47

Bromodichloromethane

Concen: 53.671 ug/l

RT: 7.817 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

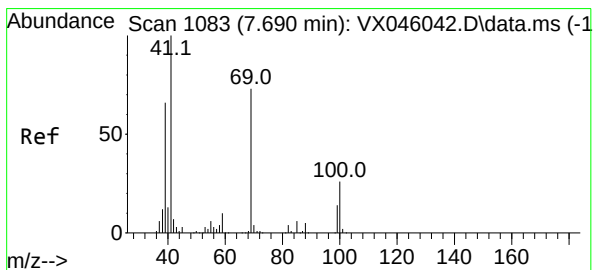
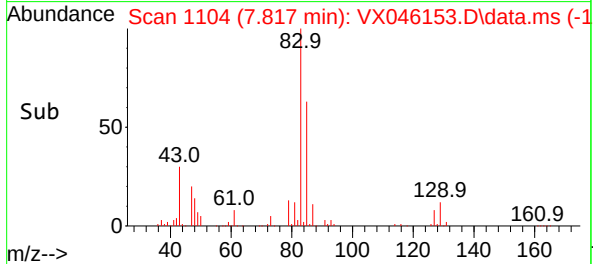
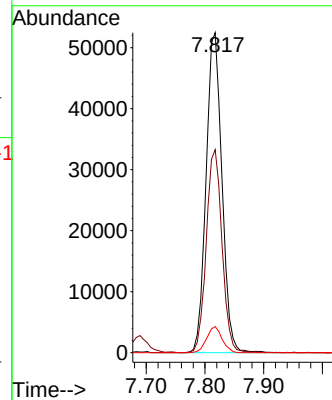
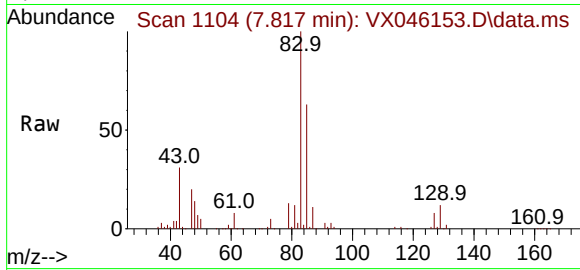
Tgt Ion:	83	Resp:	98344
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.5	75.7
127	8.2	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#48

Methyl methacrylate

Concen: 54.412 ug/l

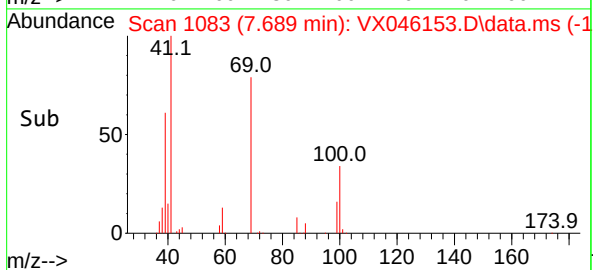
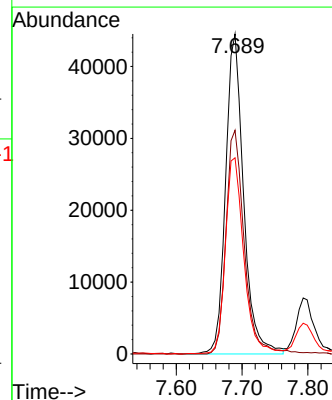
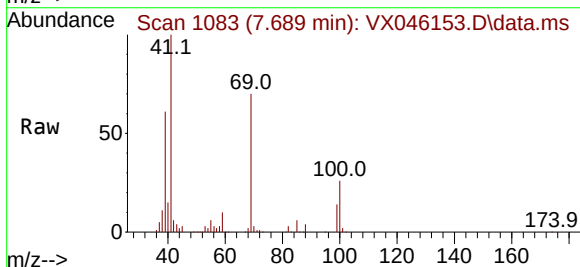
RT: 7.689 min Scan# 1083

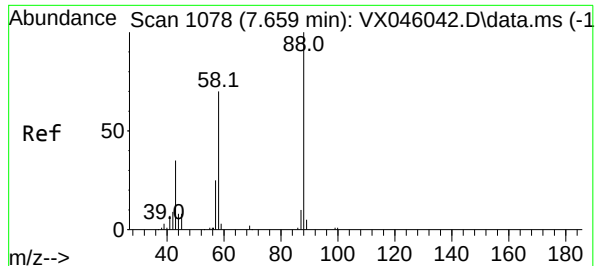
Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Tgt Ion:	41	Resp:	84825
Ion	Ratio	Lower	Upper
41	100		
69	70.8	58.5	87.7
39	62.6	51.7	77.5





#49

1,4-Dioxane

Concen: 1016.342 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 30084

Ion Ratio Lower Upper

88 100

43 42.3 33.4 50.2

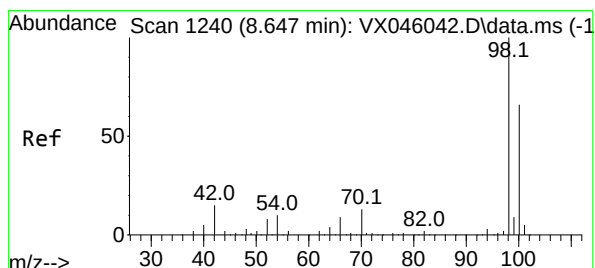
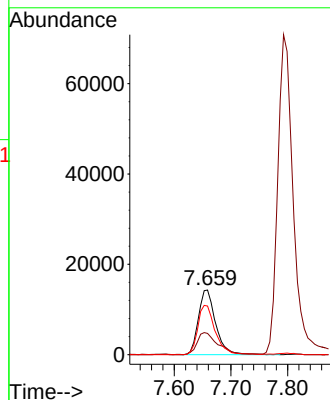
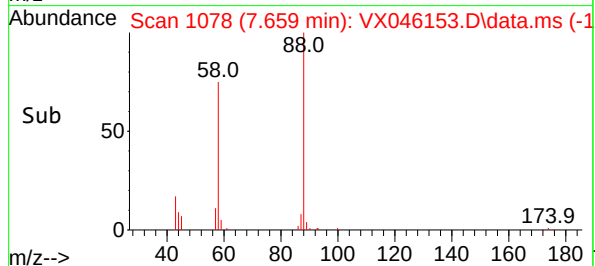
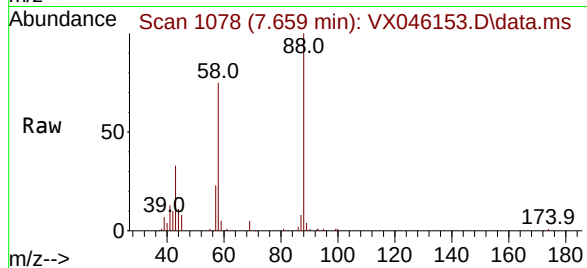
58 77.3 58.6 88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#50

Toluene-d8

Concen: 49.588 ug/l

RT: 8.640 min Scan# 1239

Delta R.T. -0.007 min

Lab File: VX046153.D

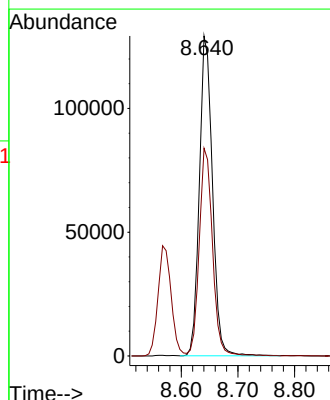
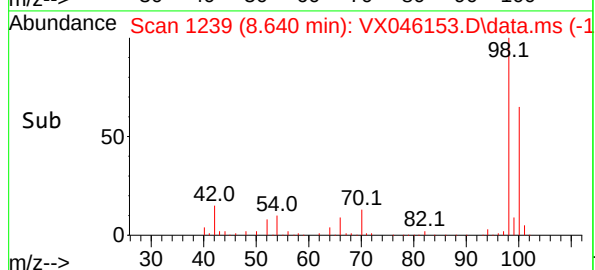
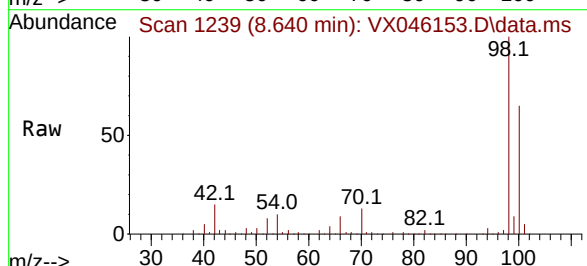
Acq: 13 May 2025 10:00

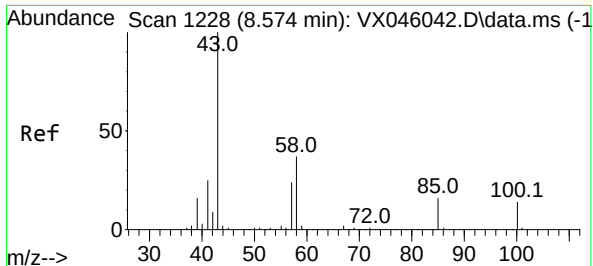
Tgt Ion: 98 Resp: 206879

Ion Ratio Lower Upper

98 100

100 65.8 53.5 80.3





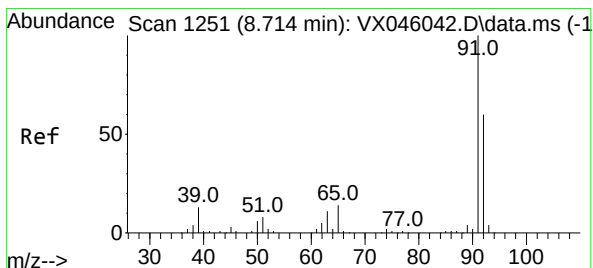
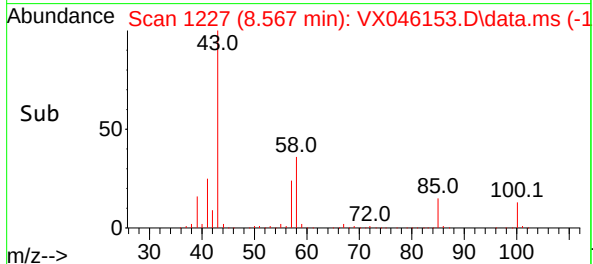
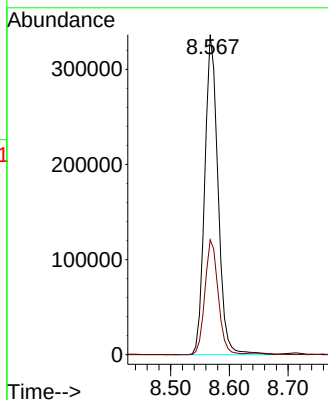
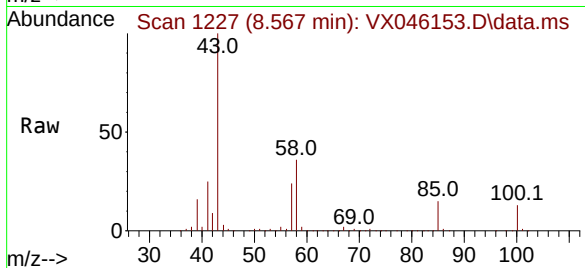
#51
4-Methyl-2-Pentanone
Concen: 261.030 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.007 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 528900
Ion Ratio Lower Upper
43 100
58 35.9 28.9 43.3

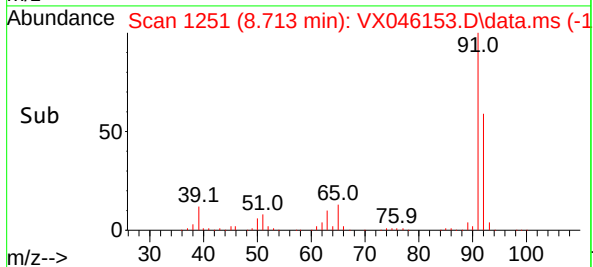
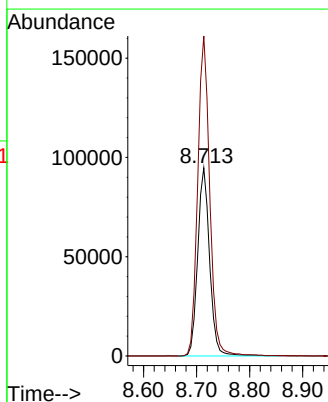
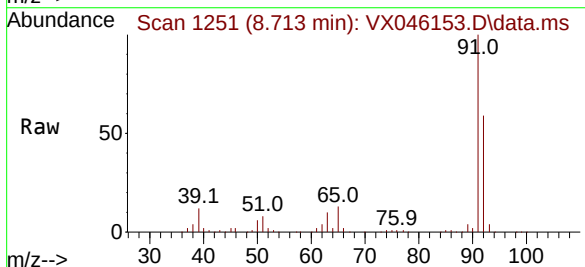
Manual Integrations
APPROVED

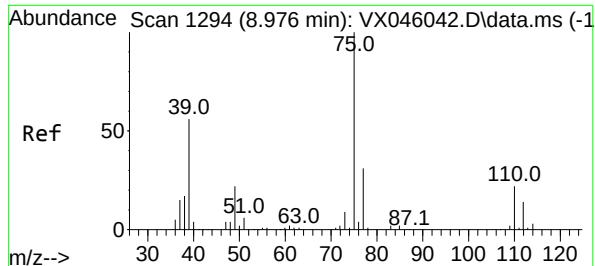
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#52
Toluene
Concen: 50.851 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Tgt Ion: 92 Resp: 147915
Ion Ratio Lower Upper
92 100
91 171.9 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 54.650 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 8900

Ion Ratio Lower Upper

75 100

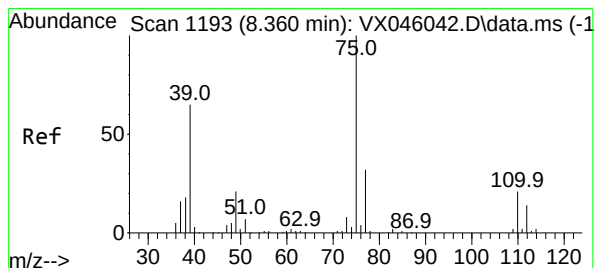
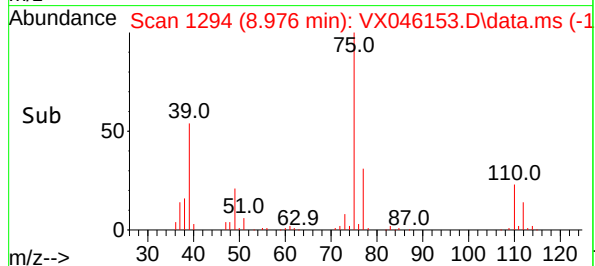
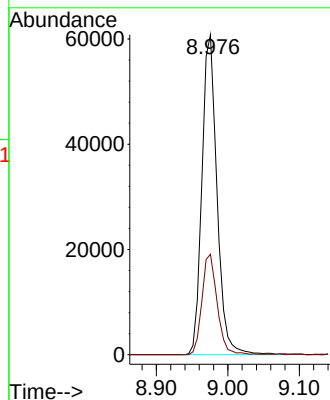
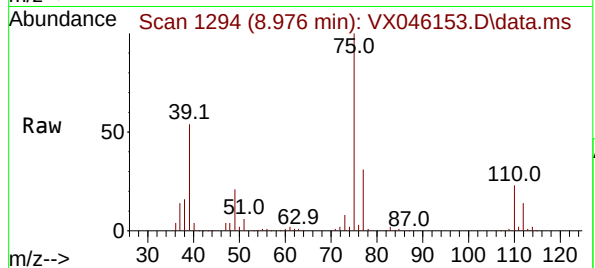
77 31.4 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#54

cis-1,3-Dichloropropene

Concen: 53.981 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

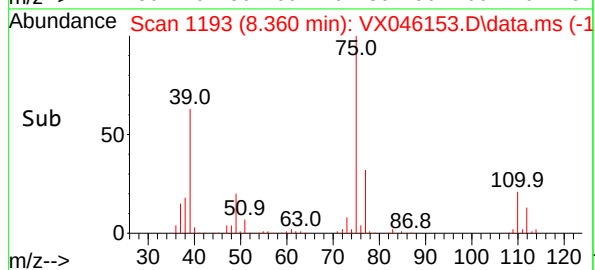
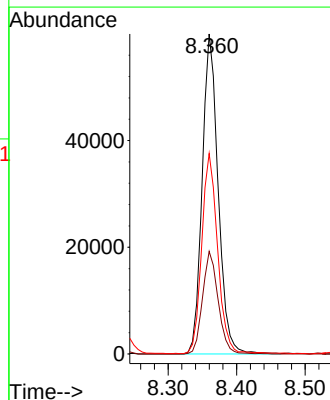
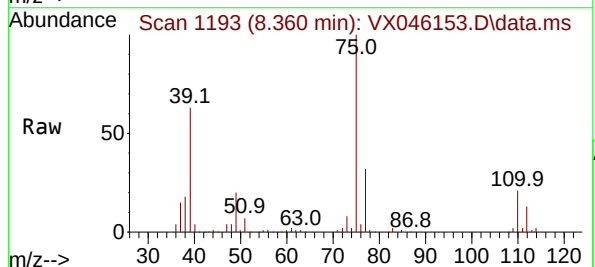
Tgt Ion: 75 Resp: 97171

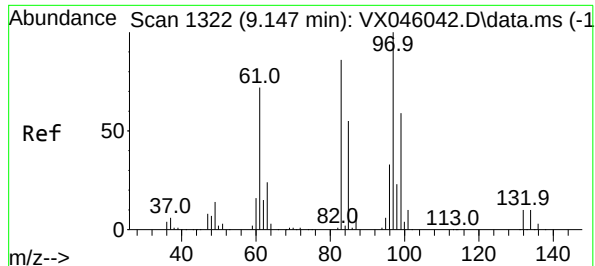
Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

39 62.5 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 51.177 ug/l

RT: 9.146 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 5869

Ion Ratio Lower Upper

97 100

83 86.2 69.0 103.6

85 56.0 44.3 66.5

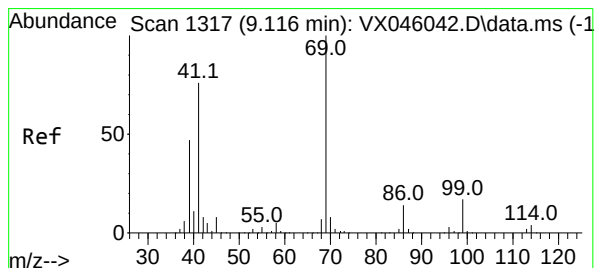
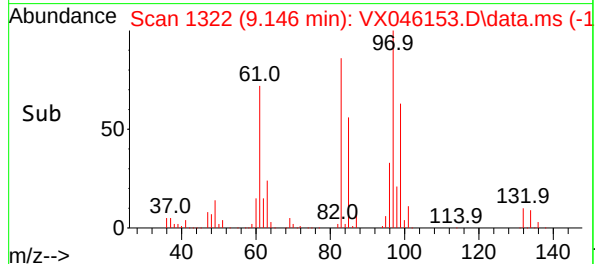
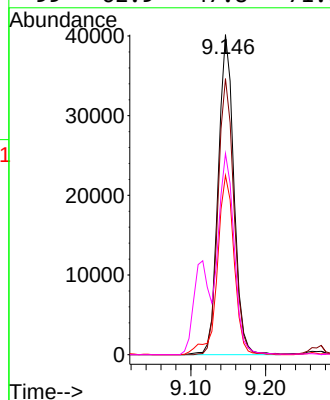
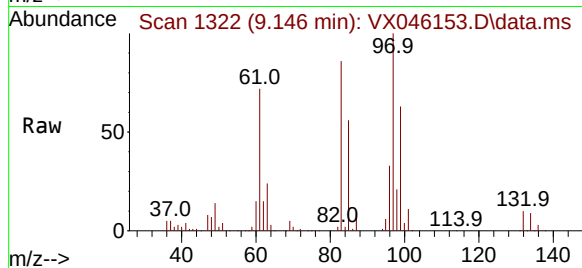
99 62.9 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#56

Ethyl methacrylate

Concen: 54.564 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

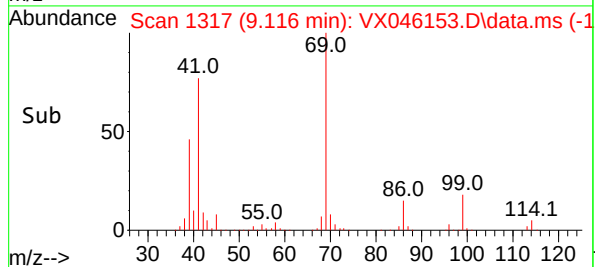
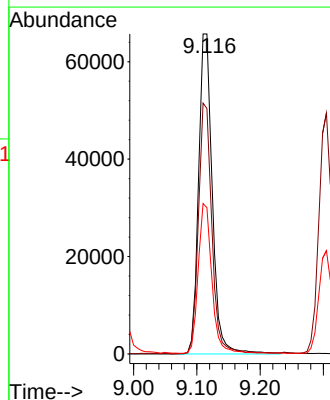
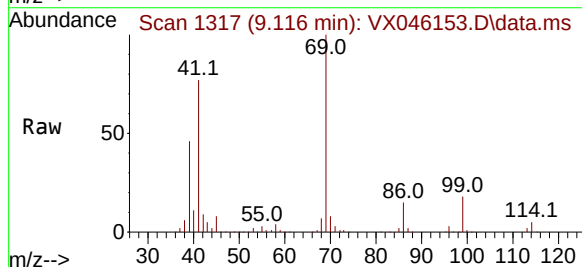
Tgt Ion: 69 Resp: 99742

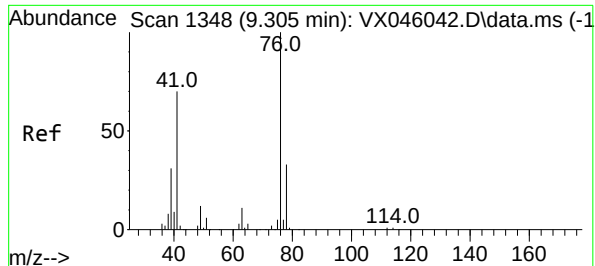
Ion Ratio Lower Upper

69 100

41 77.0 60.8 91.2

39 46.5 39.0 58.6





#57

1,3-Dichloropropane

Concen: 50.716 ug/l

RT: 9.305 min Scan# 11348

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 10446

Ion Ratio Lower Upper

76 100

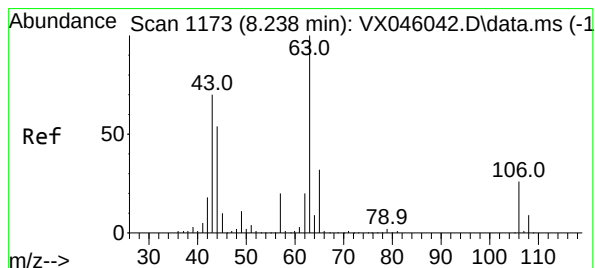
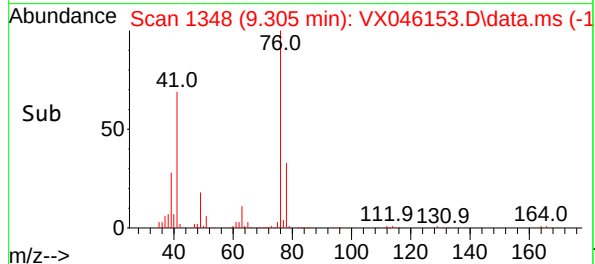
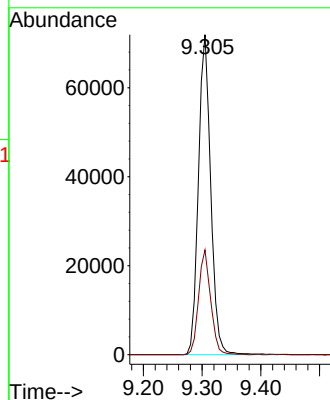
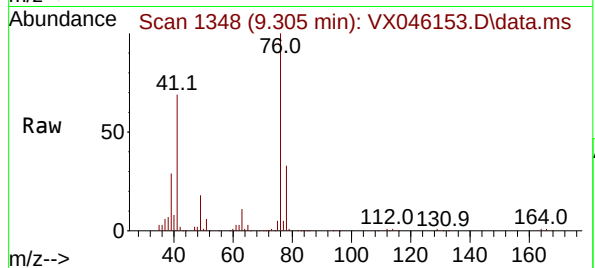
78 32.2 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#58

2-Chloroethyl Vinyl ether

Concen: 273.344 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX046153.D

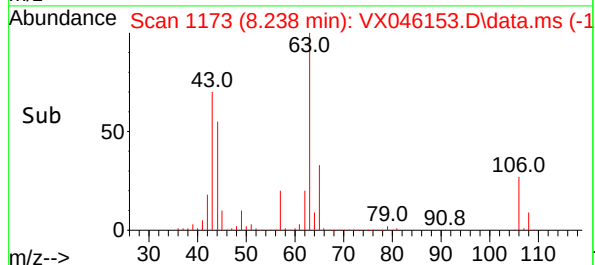
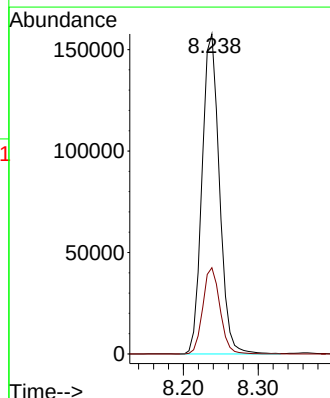
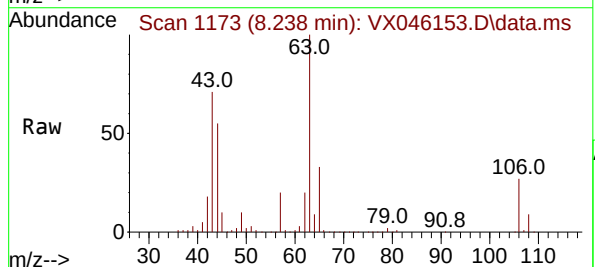
Acq: 13 May 2025 10:00

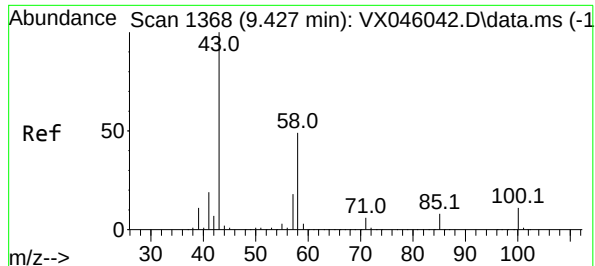
Tgt Ion: 63 Resp: 254739

Ion Ratio Lower Upper

63 100

106 26.7 21.5 32.3





#59

2-Hexanone

Concen: 260.479 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 39047

Ion Ratio Lower Upper

43 100

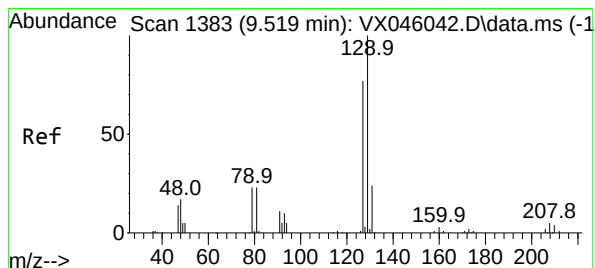
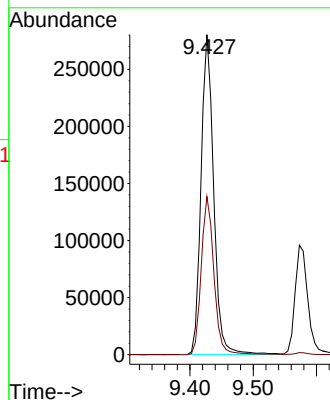
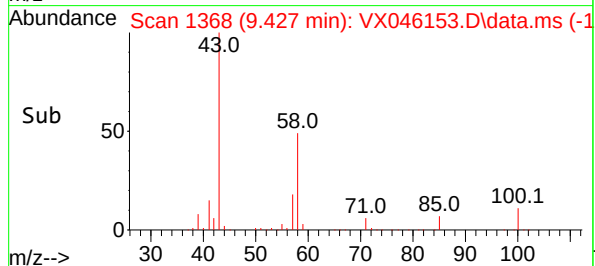
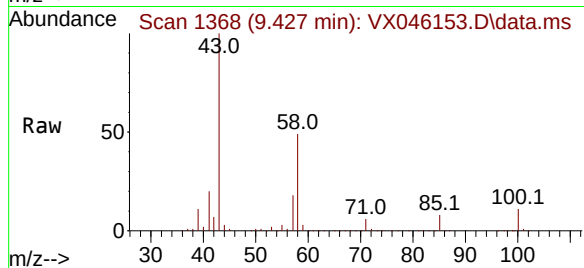
58 49.7 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#60

Dibromochloromethane

Concen: 55.484 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX046153.D

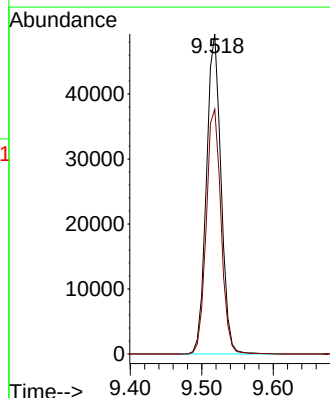
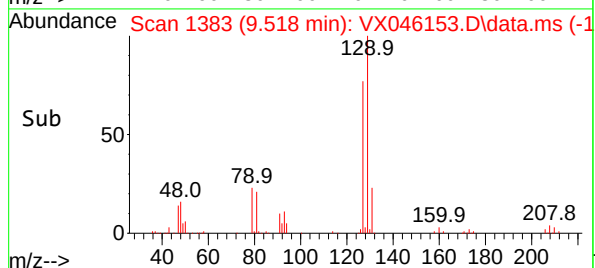
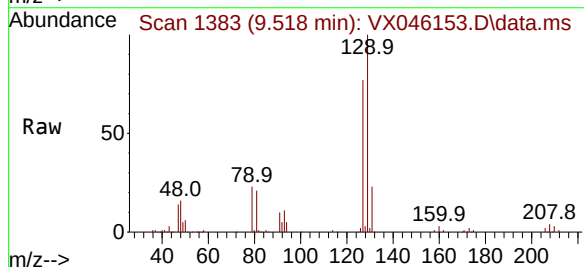
Acq: 13 May 2025 10:00

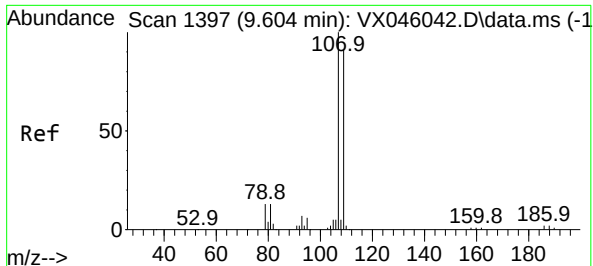
Tgt Ion:129 Resp: 69888

Ion Ratio Lower Upper

129 100

127 77.4 39.3 117.8





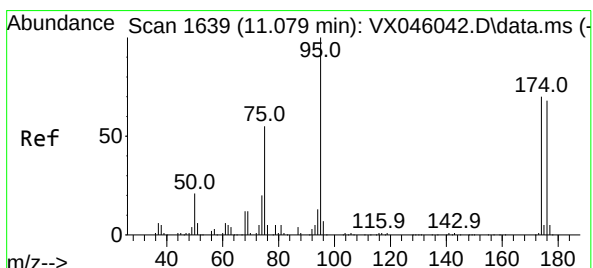
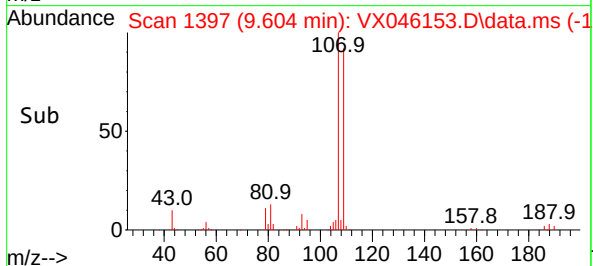
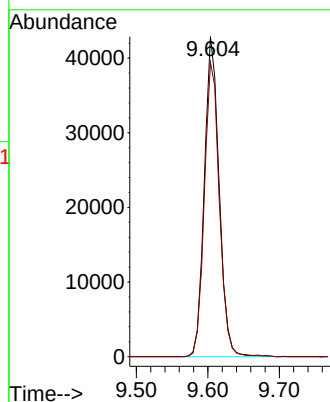
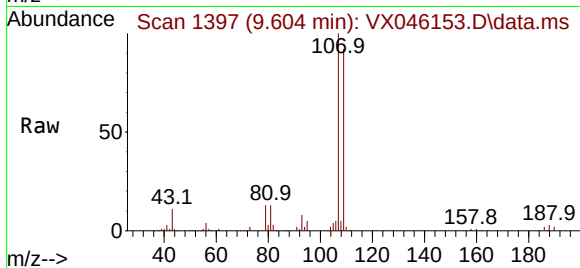
#61
1,2-Dibromoethane
Concen: 51.616 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 61530
Ion Ratio Lower Upper
107 100
109 93.6 73.3 109.9

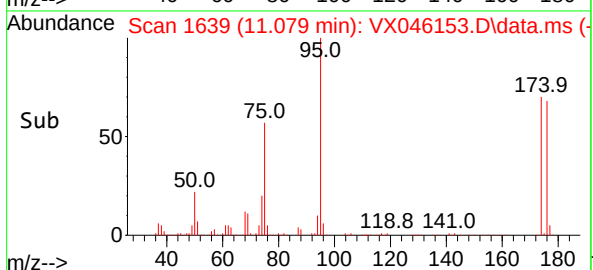
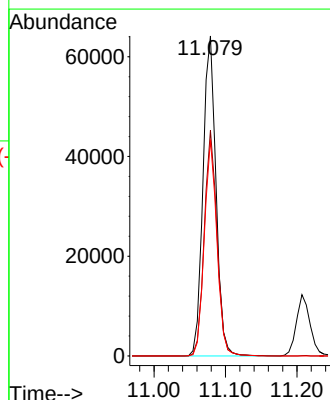
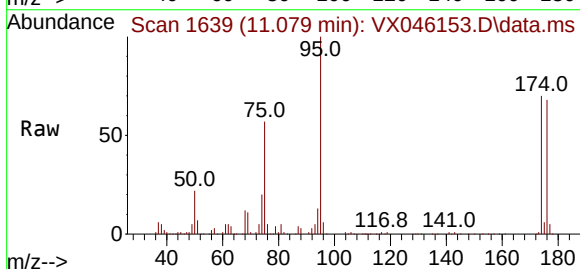
Manual Integrations
APPROVED

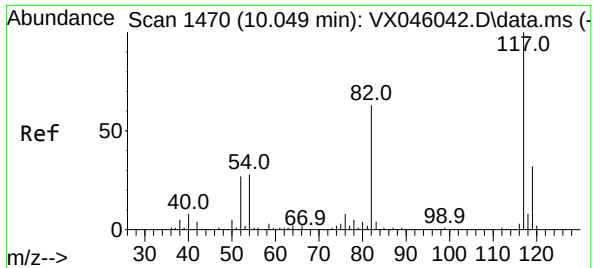
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#62
4-Bromofluorobenzene
Concen: 50.604 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

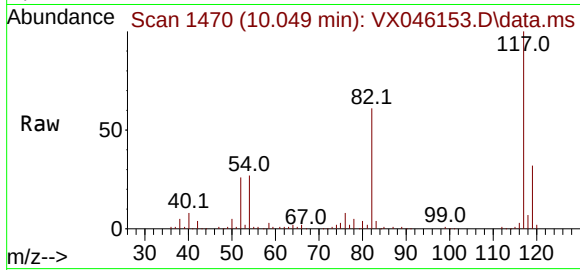
Tgt Ion: 95 Resp: 80981
Ion Ratio Lower Upper
95 100
174 69.3 0.0 135.8
176 65.6 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

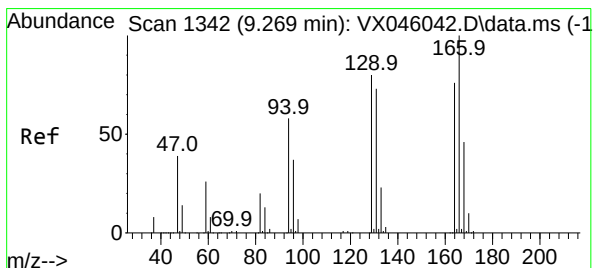
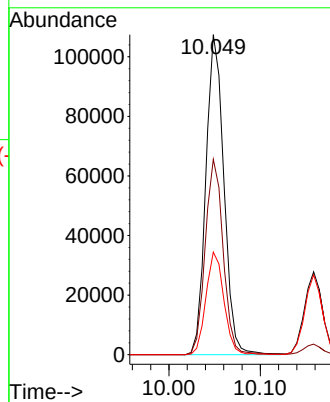
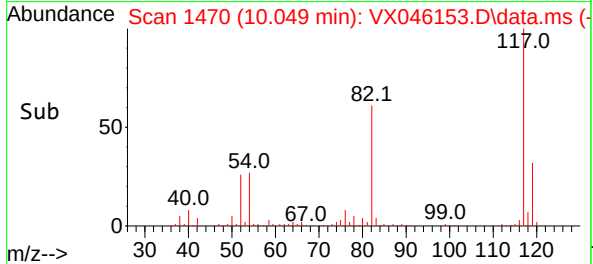
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 146749
Ion Ratio Lower Upper
117 100
82 61.1 50.6 76.0
119 32.1 25.8 38.6

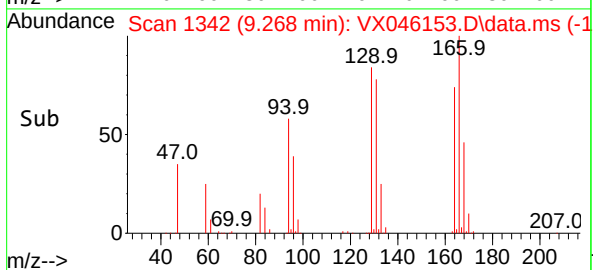
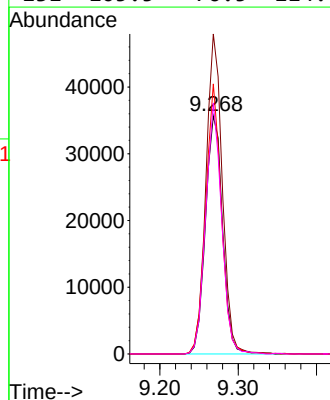
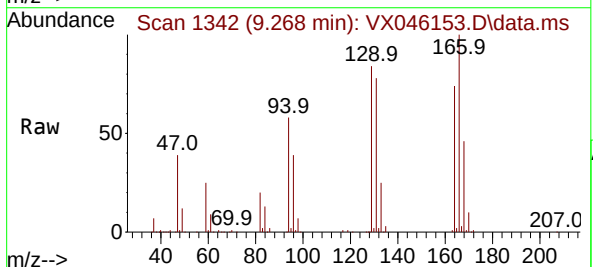
Manual Integrations
APPROVED

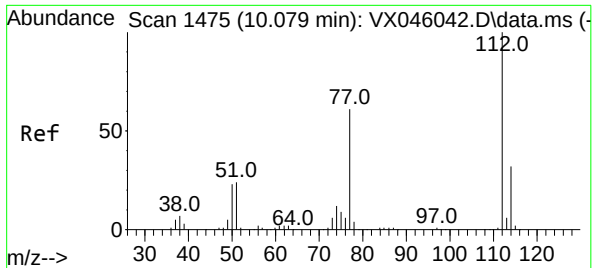
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#64
Tetrachloroethene
Concen: 51.953 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

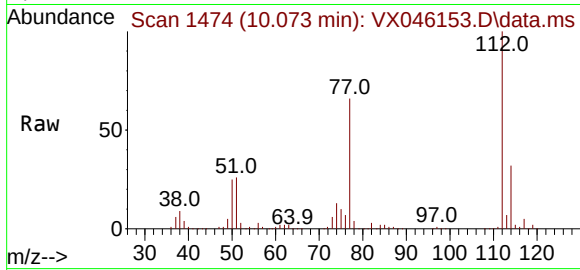
Tgt Ion:164 Resp: 53943
Ion Ratio Lower Upper
164 100
166 134.5 105.0 157.6
129 113.5 83.5 125.3
131 105.5 76.5 114.7





#65
Chlorobenzene
Concen: 49.867 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.007 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

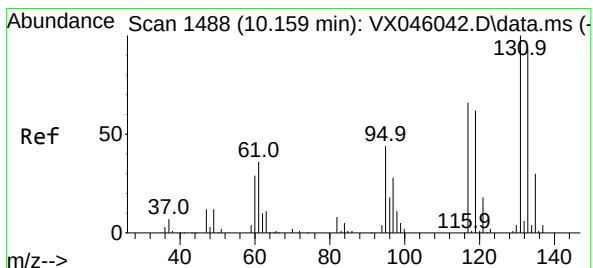
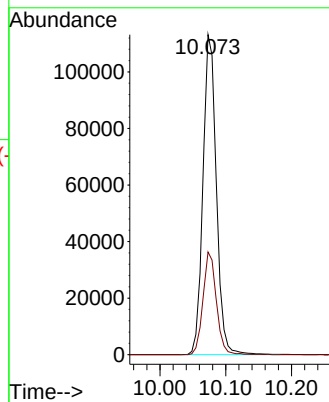
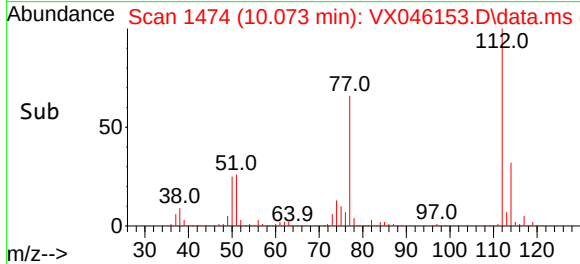
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:112 Resp: 160170
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

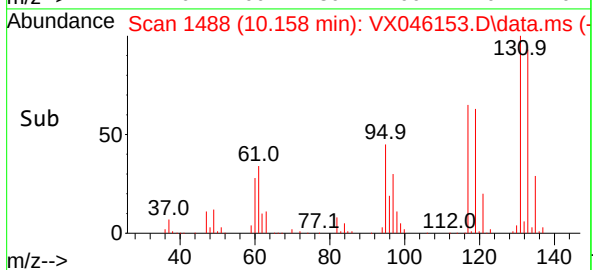
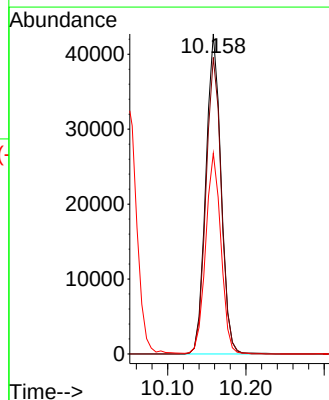
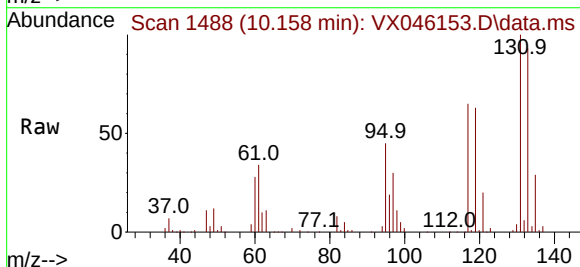
Manual Integrations
APPROVED

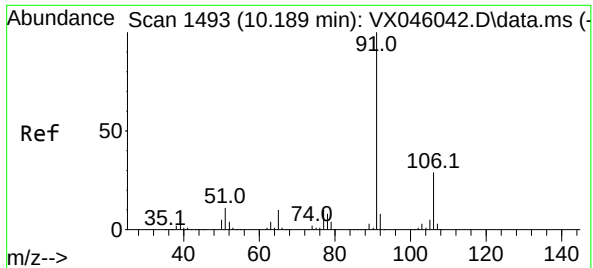
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 52.285 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

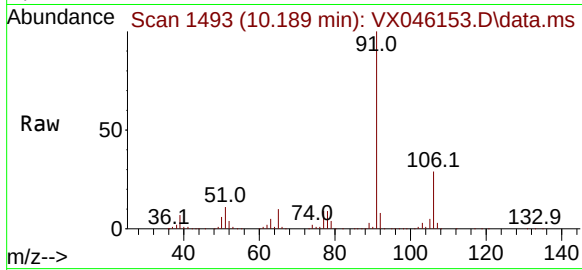
Tgt Ion:131 Resp: 57345
Ion Ratio Lower Upper
131 100
133 93.9 47.3 141.9
119 63.1 31.6 95.0





#67
Ethyl Benzene
Concen: 51.336 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

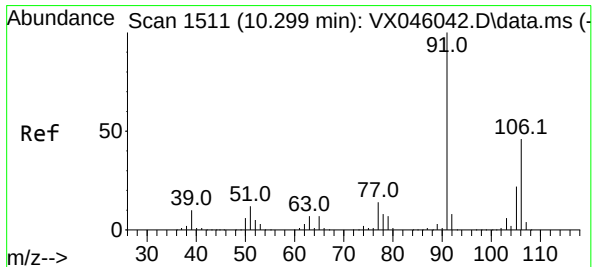
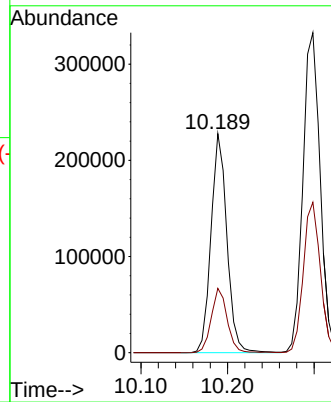
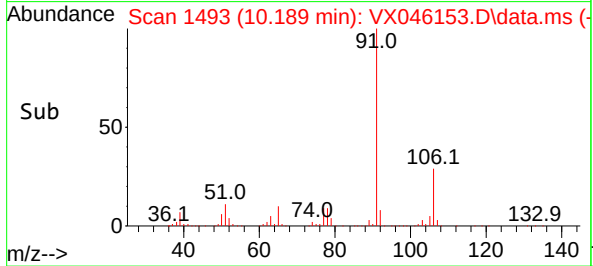
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 91 Resp: 290658
Ion Ratio Lower Upper
91 100
106 29.4 23.4 35.2

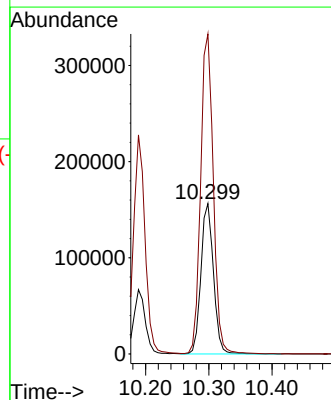
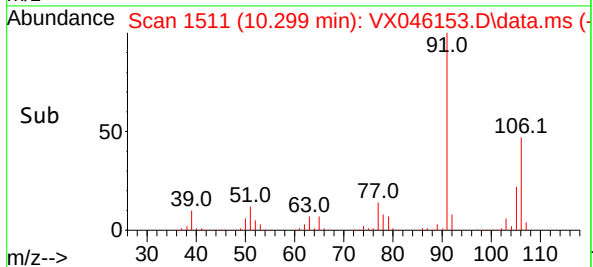
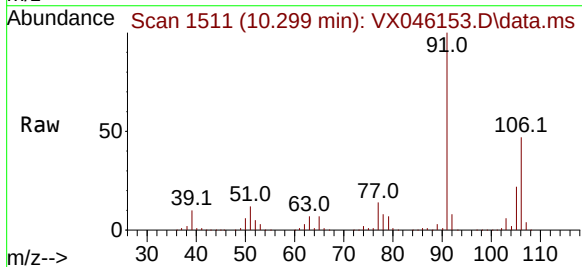
Manual Integrations
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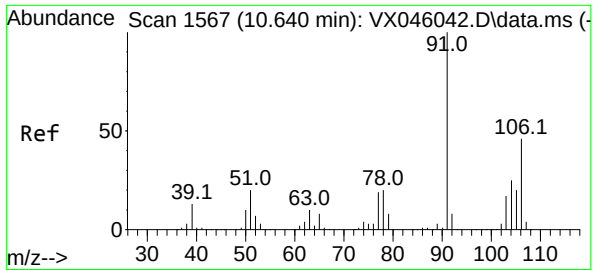
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#68
m/p-Xylenes
Concen: 104.273 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Tgt Ion:106 Resp: 215927
Ion Ratio Lower Upper
106 100
91 214.5 171.2 256.8





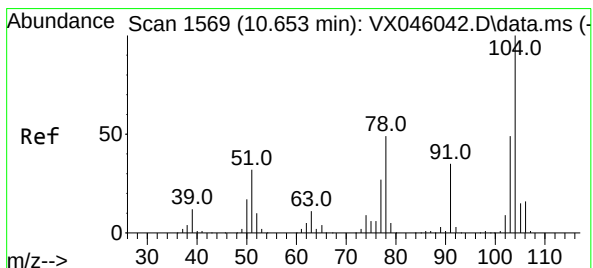
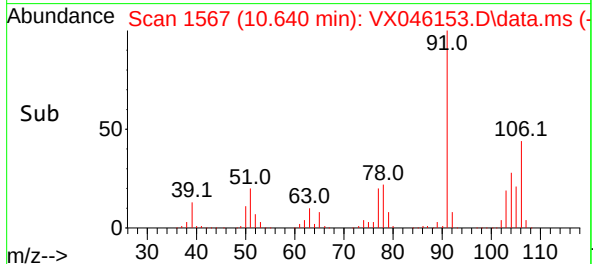
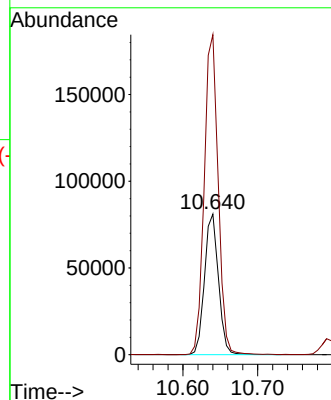
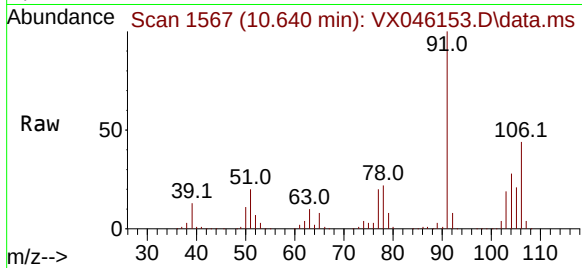
#69
o-Xylene
Concen: 52.001 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 10498
Ion Ratio Lower Upper
106 100
91 227.7 112.7 338.1

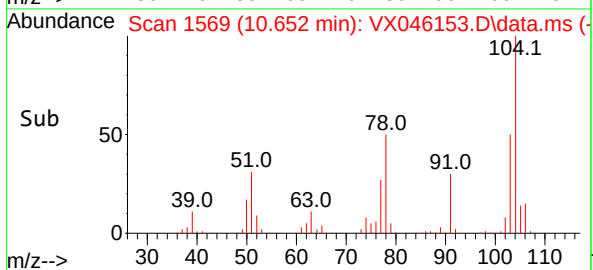
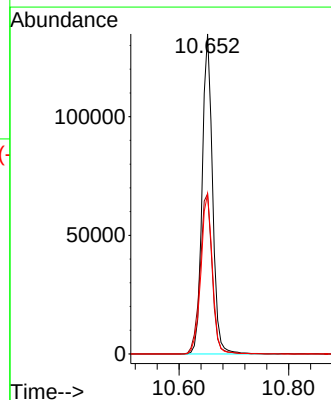
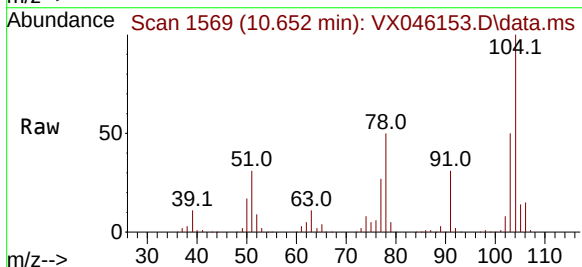
Manual Integrations
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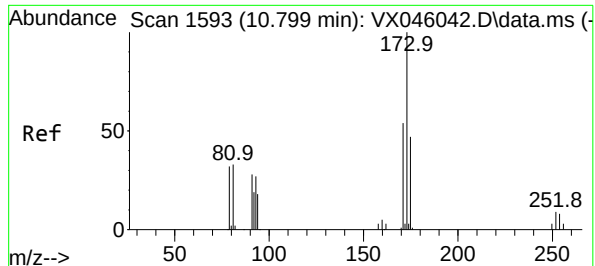
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#70
Styrene
Concen: 53.645 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

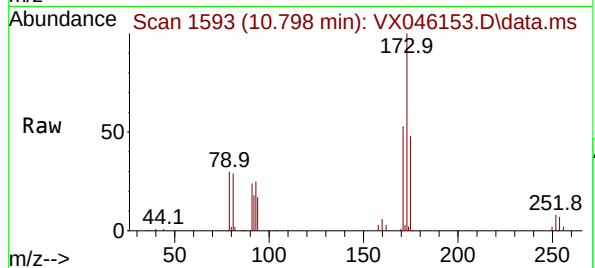
Tgt Ion:104 Resp: 177405
Ion Ratio Lower Upper
104 100
78 58.2 45.7 68.5
103 55.5 43.7 65.5





#71
Bromoform
Concen: 54.730 ug/l
RT: 10.798 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

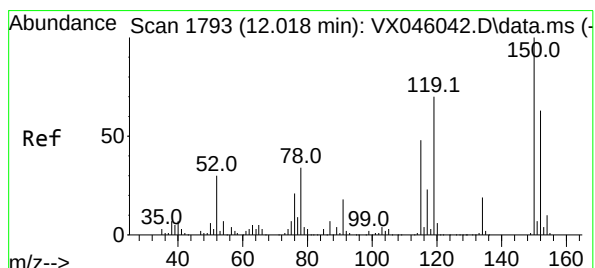
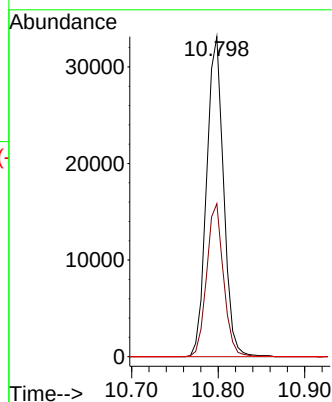
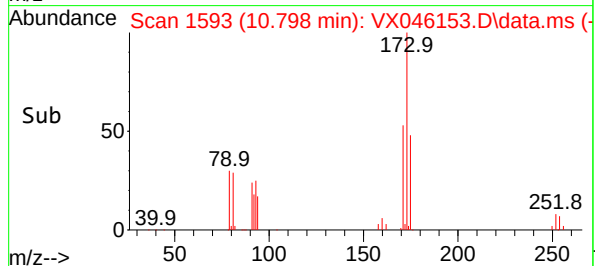
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:173 Resp: 4506
Ion Ratio Lower Upper
173 100
175 47.6 23.4 70.0
254 0.0 0.0 0.0

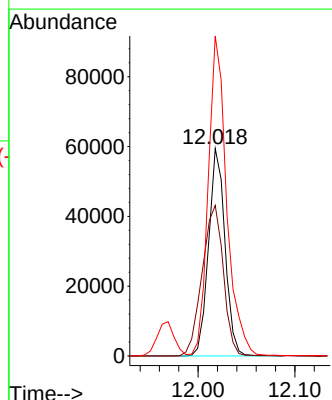
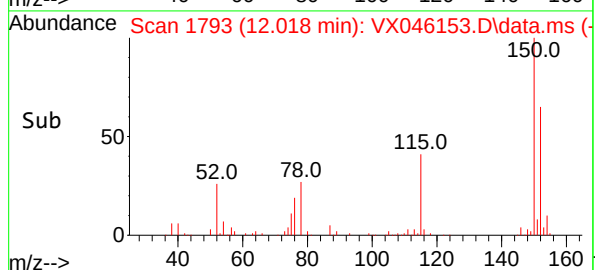
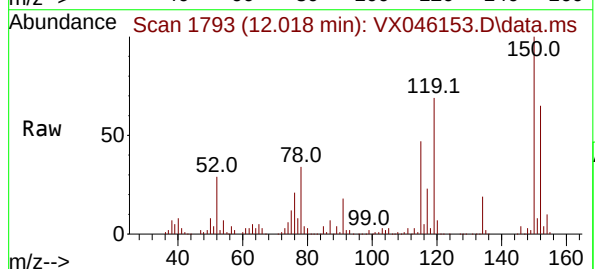
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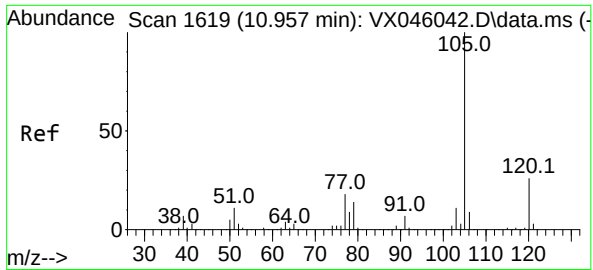
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

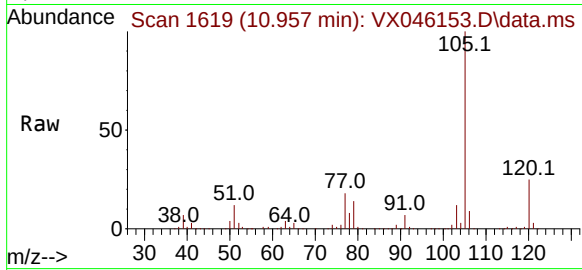
Tgt Ion:152 Resp: 70437
Ion Ratio Lower Upper
152 100
115 93.3 46.9 140.7
150 173.3 0.0 351.0





#73
Isopropylbenzene
Concen: 51.497 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

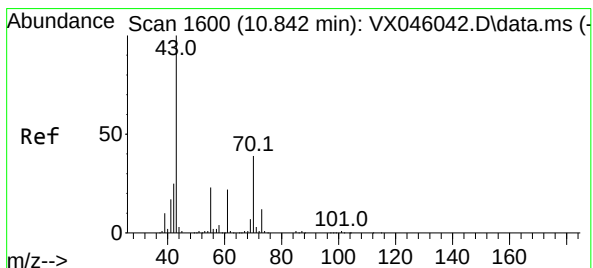
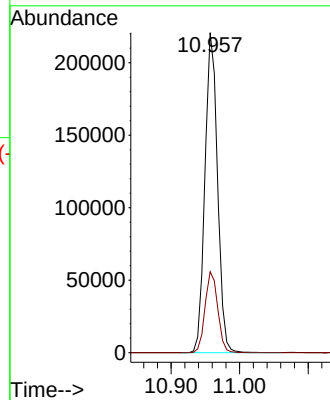
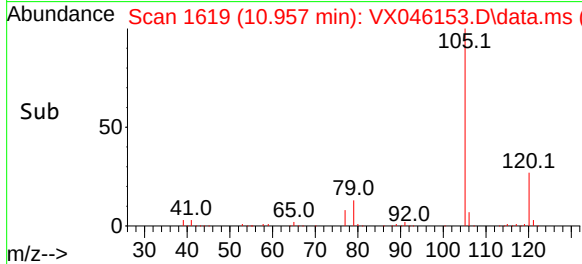
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:105 Resp: 282394
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.4

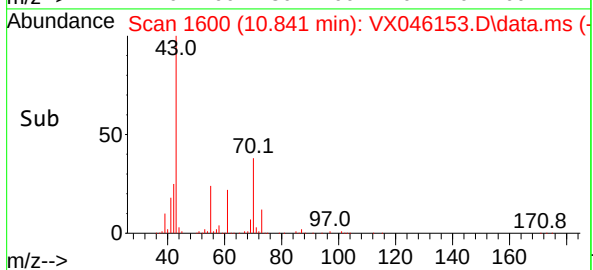
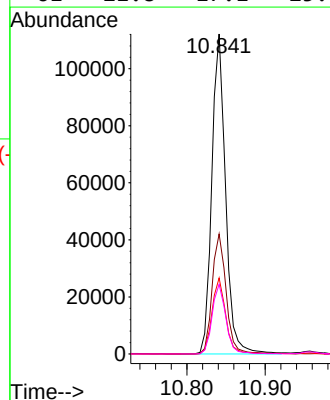
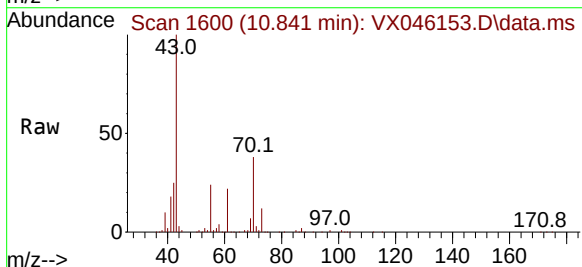
Manual Integrations
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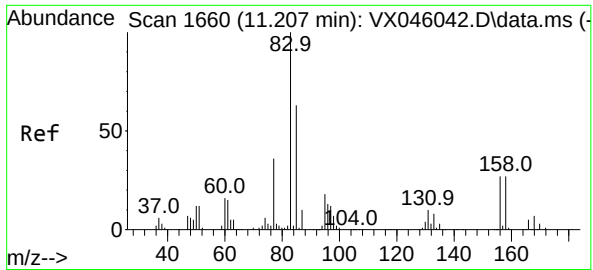
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#74
N-ethyl acetate
Concen: 50.348 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Tgt Ion: 43 Resp: 136431
Ion Ratio Lower Upper
43 100
70 38.3 30.9 46.3
55 23.9 18.7 28.1
61 21.8 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.026 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

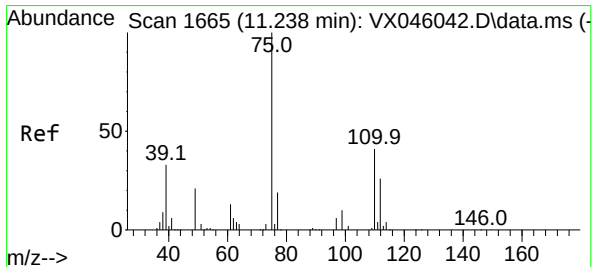
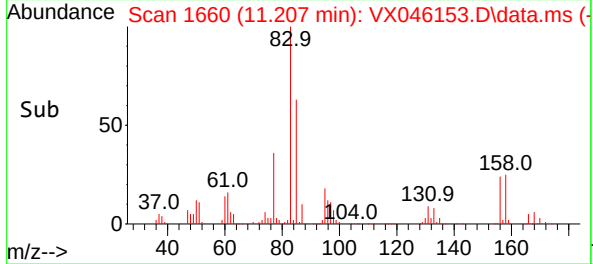
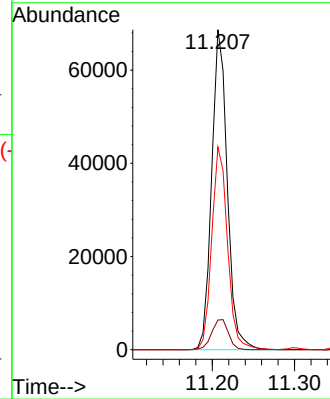
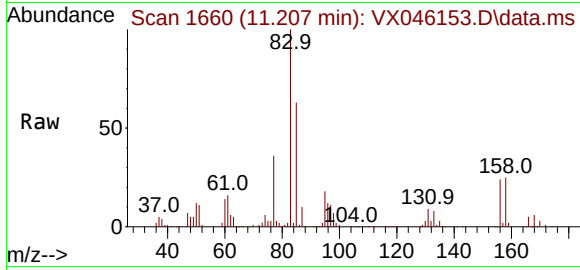
Tgt Ion:	83	Resp:	90369
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	64.1	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#76

1,2,3-Trichloropropane

Concen: 48.256 ug/l m

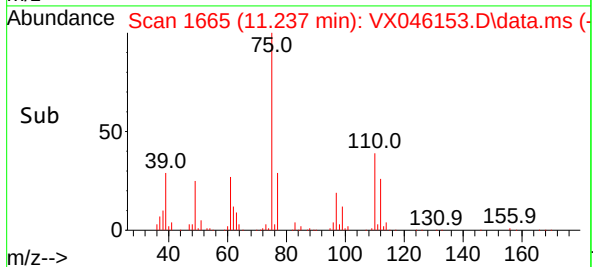
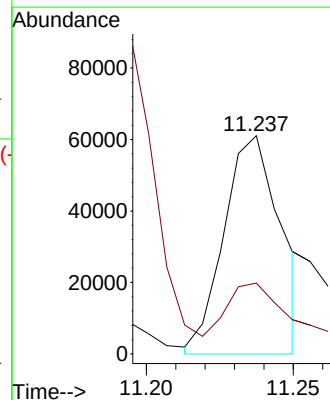
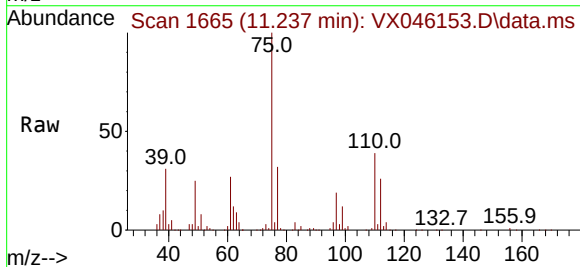
RT: 11.237 min Scan# 1665

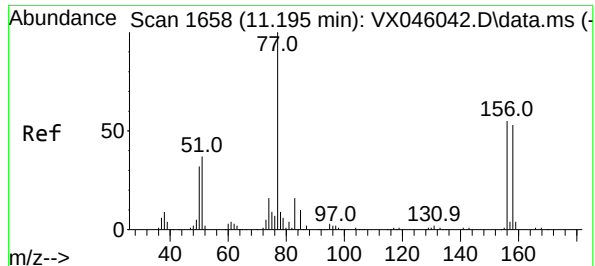
Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Tgt Ion:	75	Resp:	81816
Ion	Ratio	Lower	Upper
75	100		
77	41.0	20.5	61.5





#77

Bromobenzene

Concen: 50.237 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 63958

Ion Ratio Lower Upper

156 100

77 184.5 92.8 278.3

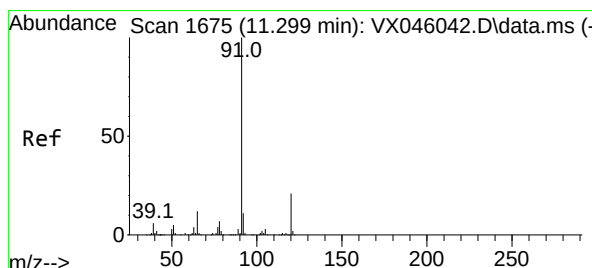
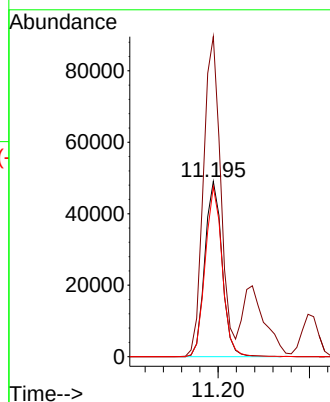
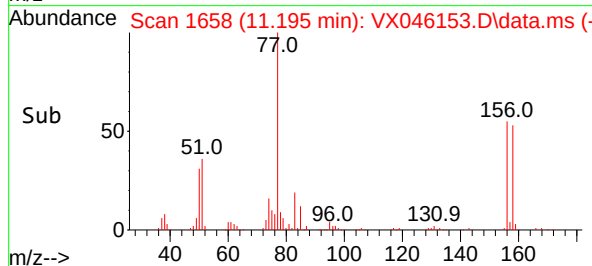
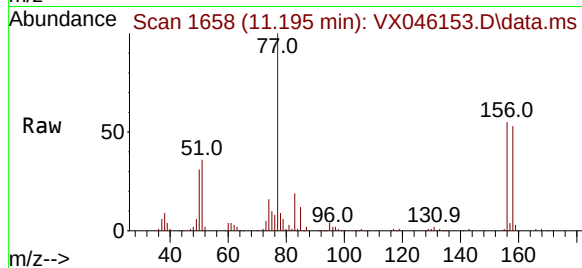
158 96.0 48.8 146.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#78

n-propylbenzene

Concen: 52.174 ug/l

RT: 11.298 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VX046153.D

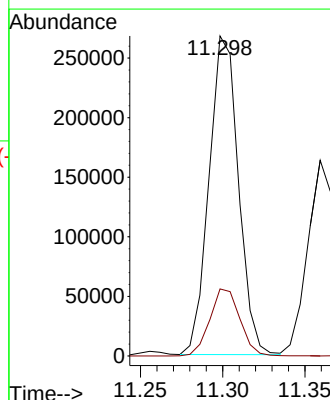
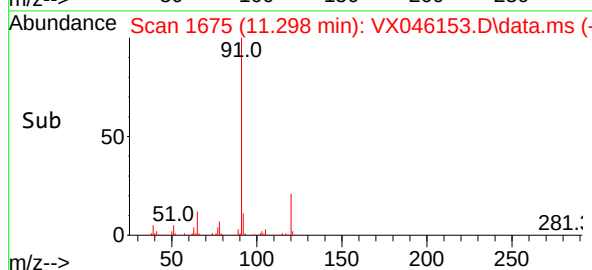
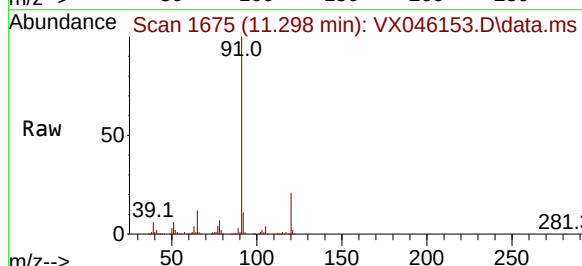
Acq: 13 May 2025 10:00

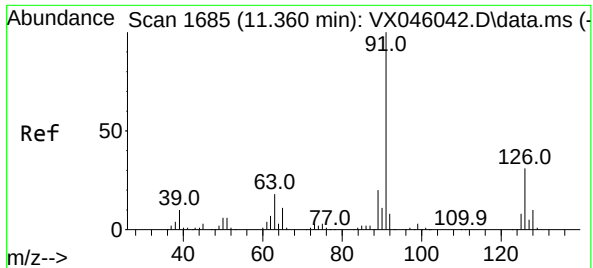
Tgt Ion: 91 Resp: 332668

Ion Ratio Lower Upper

91 100

120 21.6 10.8 32.4





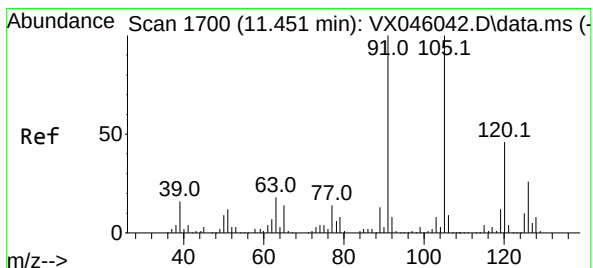
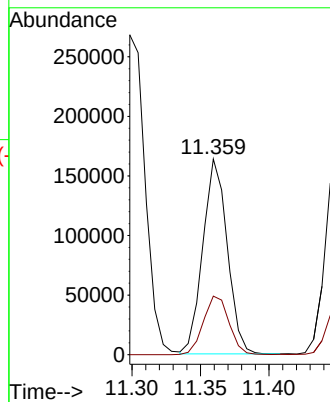
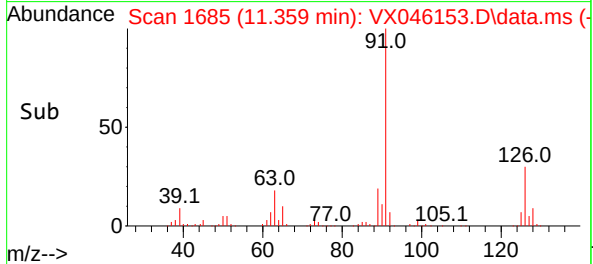
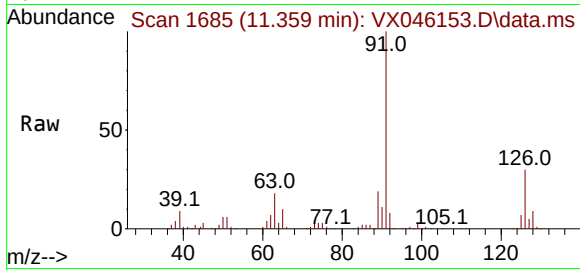
#79
2-Chlorotoluene
Concen: 49.362 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 20301
Ion Ratio Lower Upper
91 100
126 31.6 15.6 46.7

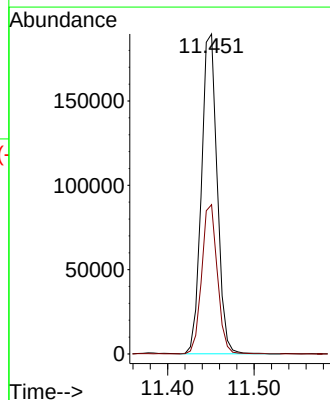
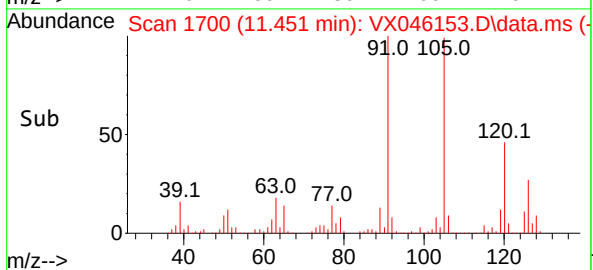
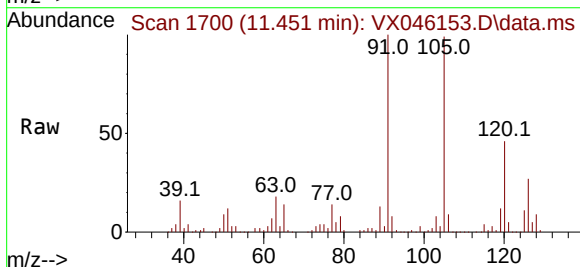
Manual Integrations
APPROVED

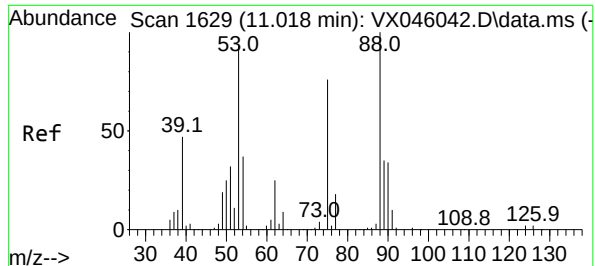
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 52.146 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

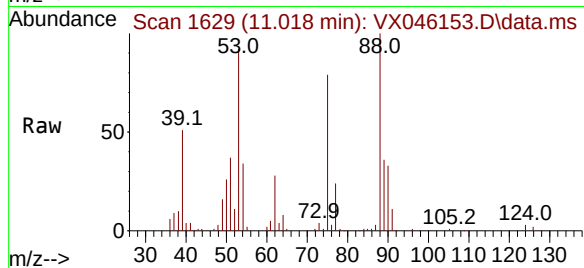
Tgt Ion:105 Resp: 238897
Ion Ratio Lower Upper
105 100
120 46.7 23.1 69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 50.850 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

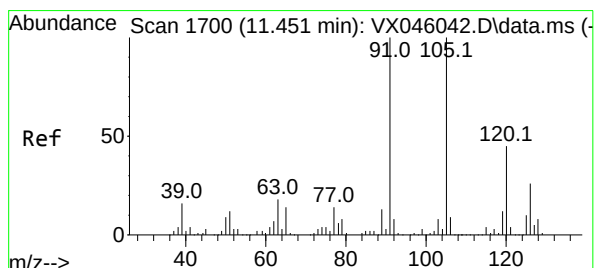
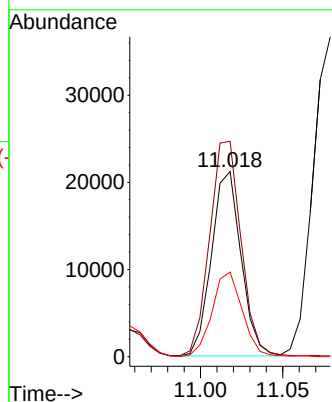
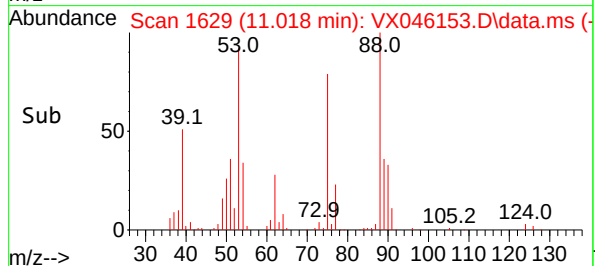
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 2648
Ion Ratio Lower Upper
75 100
53 125.2 100.5 150.7
89 47.2 37.0 55.6

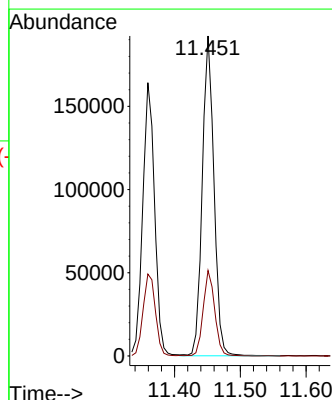
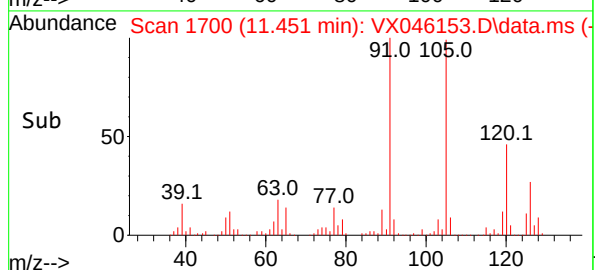
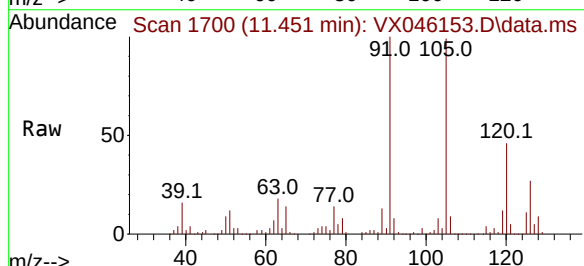
Manual Integrations
APPROVED

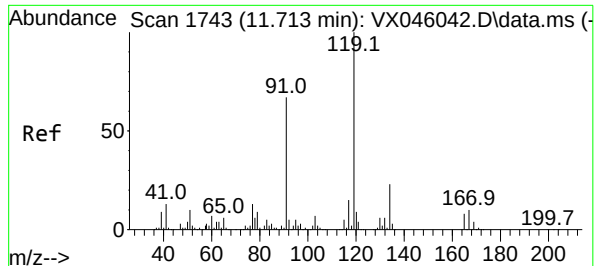
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#82
4-Chlorotoluene
Concen: 51.872 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Tgt Ion: 91 Resp: 236578
Ion Ratio Lower Upper
91 100
126 26.5 13.3 39.8





#83

tert-Butylbenzene

Concen: 50.951 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 235120

Ion Ratio Lower Upper

119 100

91 65.2 32.9 98.7

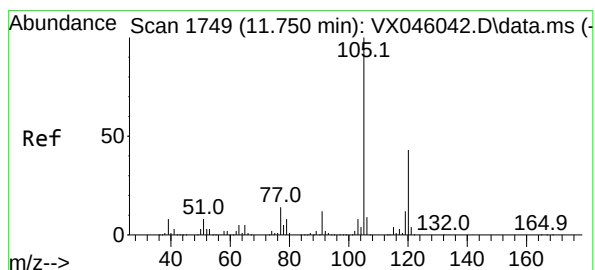
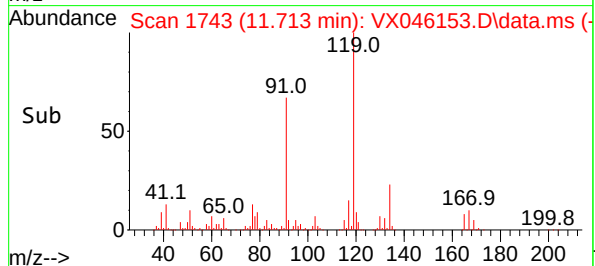
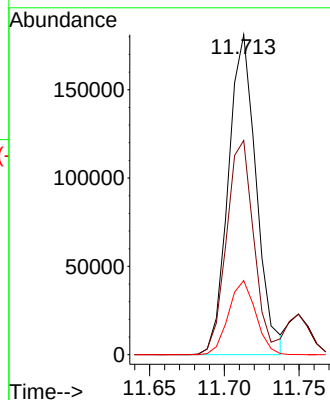
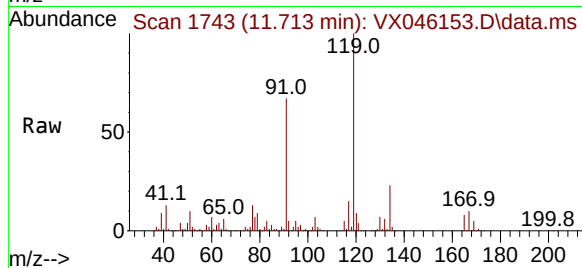
134 22.5 11.4 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#84

1,2,4-Trimethylbenzene

Concen: 51.989 ug/l

RT: 11.749 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046153.D

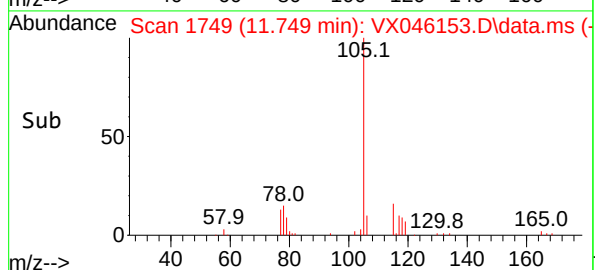
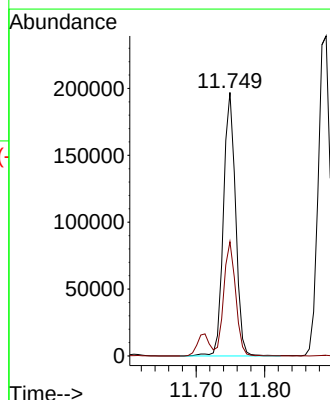
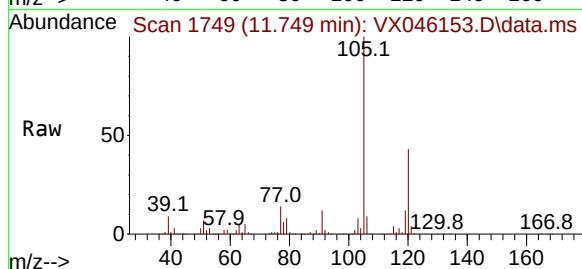
Acq: 13 May 2025 10:00

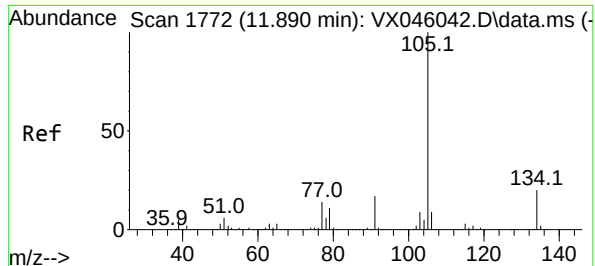
Tgt Ion:105 Resp: 241198

Ion Ratio Lower Upper

105 100

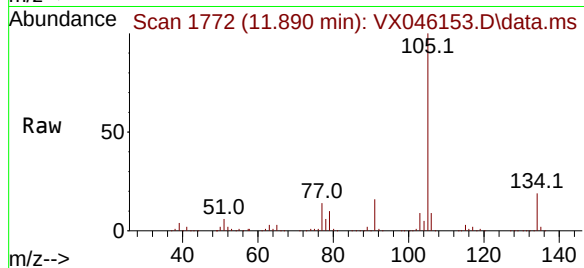
120 42.5 21.2 63.6





#85
 sec-Butylbenzene
 Concen: 52.784 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX046153.D
 Acq: 13 May 2025 10:00

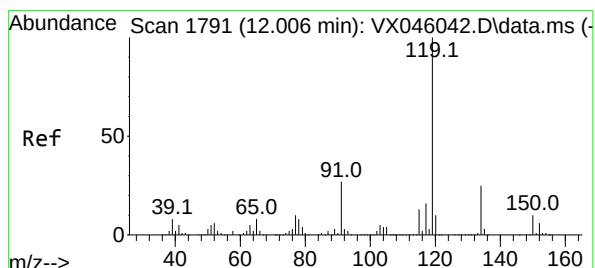
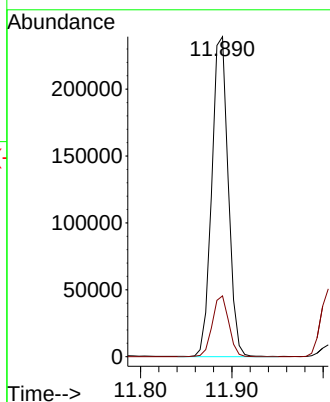
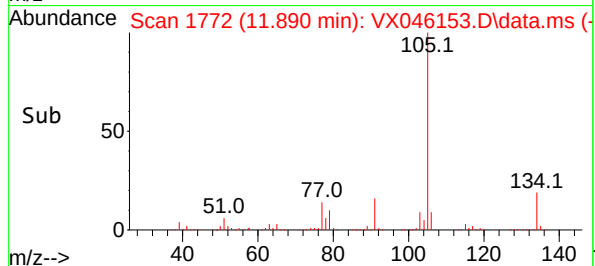
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050



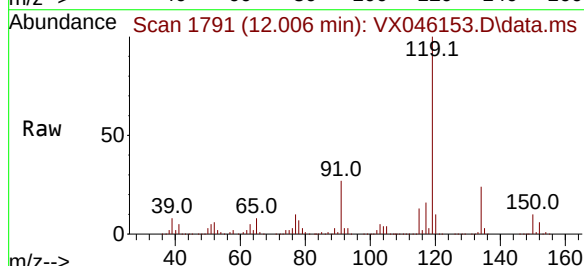
Tgt Ion:105 Resp: 299070
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.7 29.1

Manual Integrations
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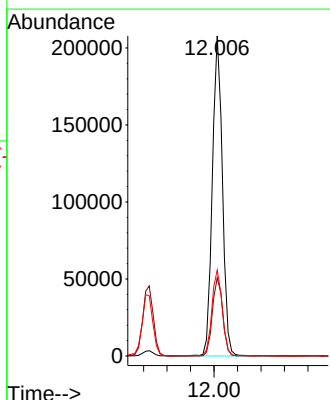
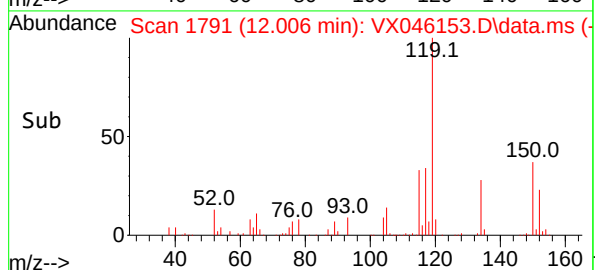
Reviewed By :John Carlone 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025

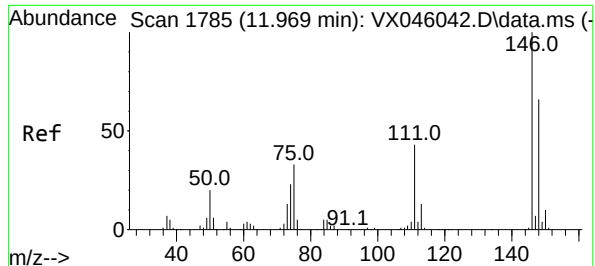


#86
 p-Isopropyltoluene
 Concen: 52.751 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX046153.D
 Acq: 13 May 2025 10:00



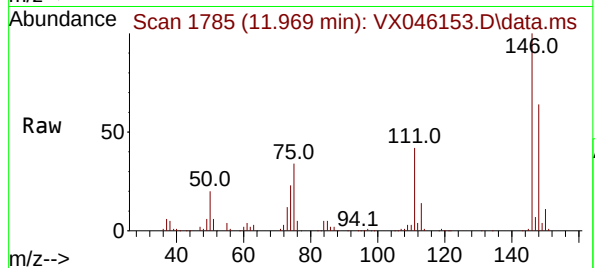
Tgt Ion:119 Resp: 246710
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.5 37.5
 91 27.6 13.8 41.4





#87
1,3-Dichlorobenzene
Concen: 50.715 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

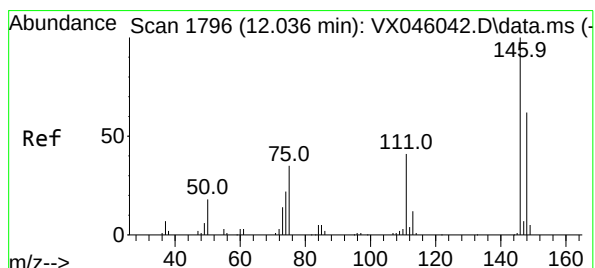
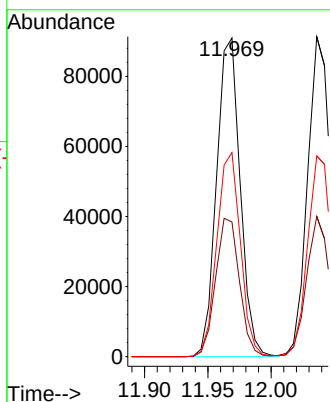
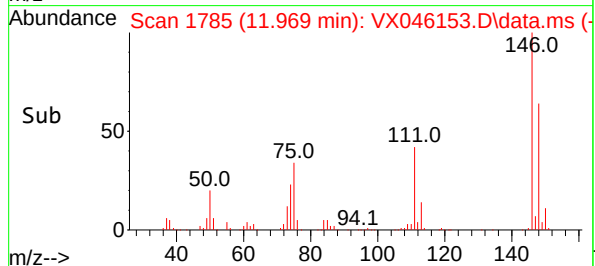
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



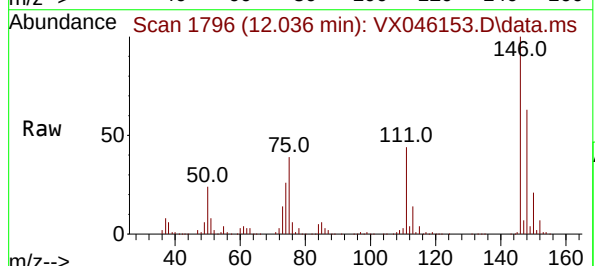
Tgt Ion:146 Resp: 11783
Ion Ratio Lower Upper
146 100
111 44.0 22.1 66.3
148 64.1 32.1 96.5

Manual Integrations
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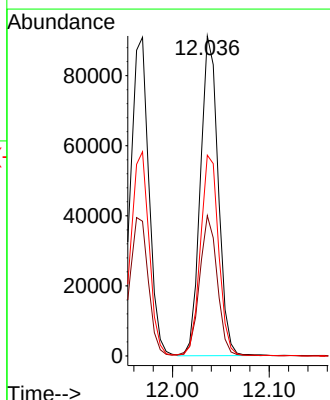
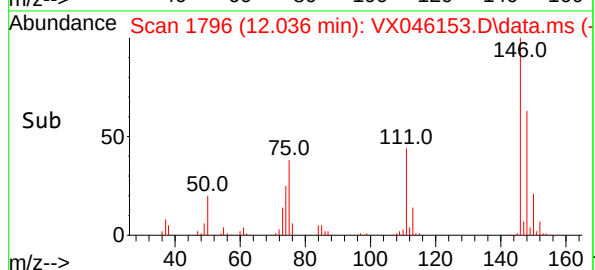
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

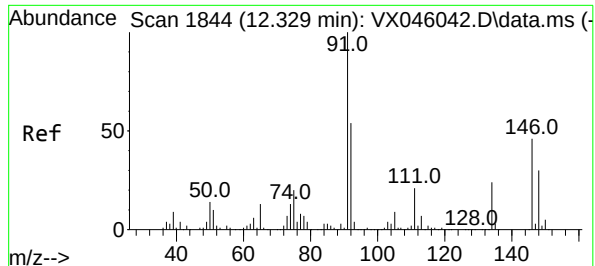


#88
1,4-Dichlorobenzene
Concen: 49.172 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00



Tgt Ion:146 Resp: 116679
Ion Ratio Lower Upper
146 100
111 43.8 21.3 63.9
148 64.8 31.9 95.5





#89

n-Butylbenzene

Concen: 53.855 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX046153.D

Acq: 13 May 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 22093

Ion Ratio Lower Upper

91 100

92 52.8 26.9 80.7

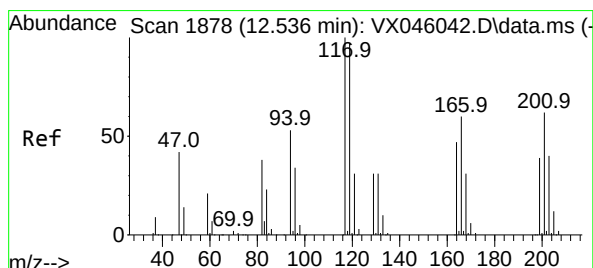
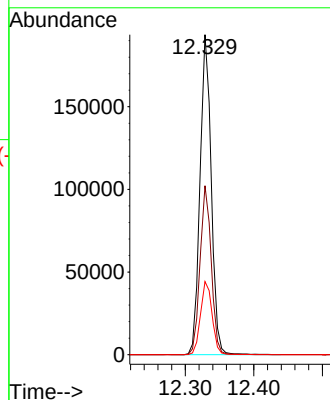
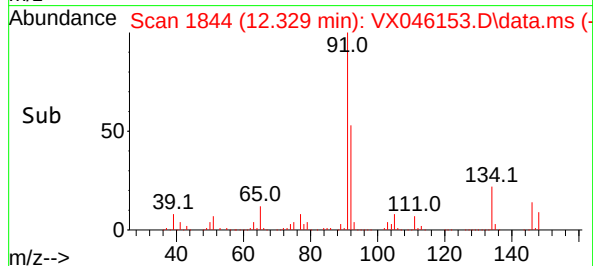
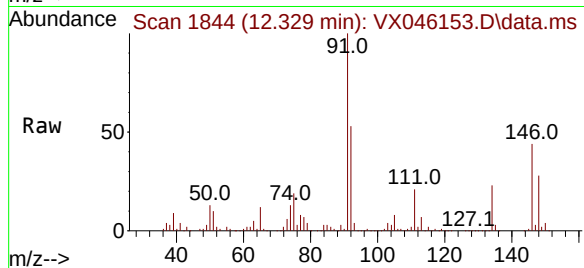
134 23.7 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#90

Hexachloroethane

Concen: 53.296 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX046153.D

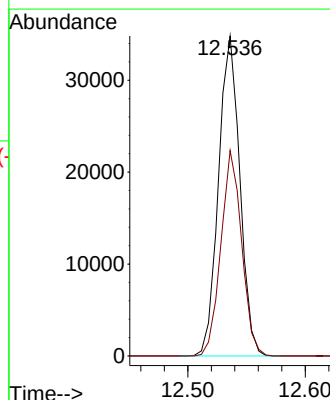
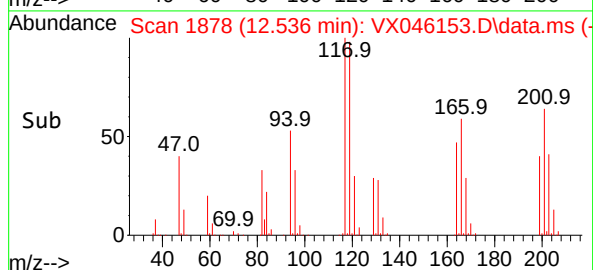
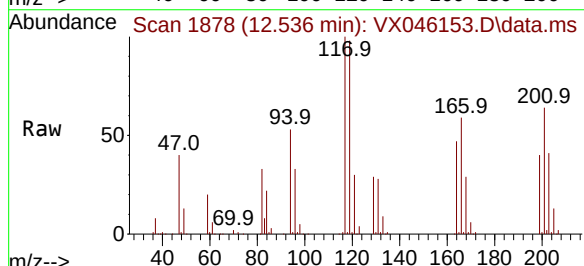
Acq: 13 May 2025 10:00

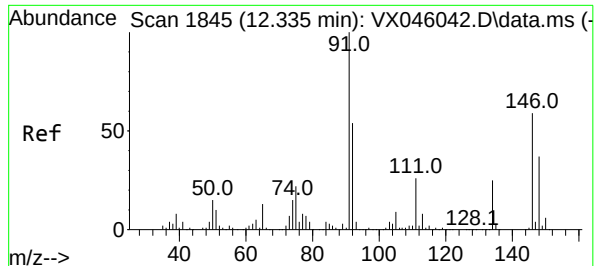
Tgt Ion:117 Resp: 43914

Ion Ratio Lower Upper

117 100

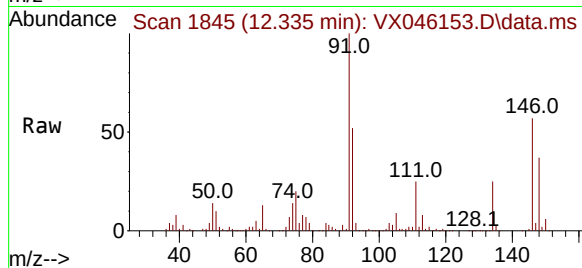
201 62.6 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 49.450 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

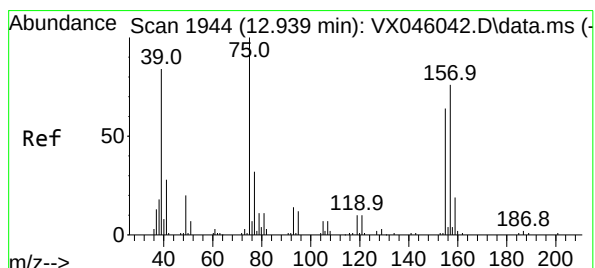
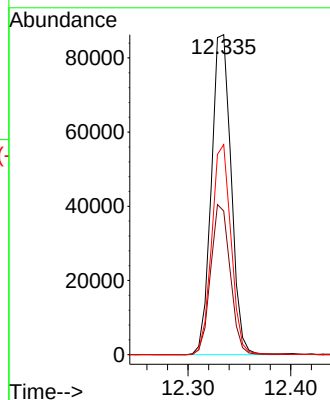
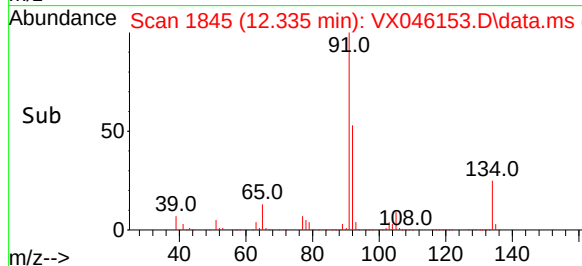
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 11529
Ion Ratio Lower Upper
146 100
111 46.2 22.4 67.3
148 64.1 31.6 94.8

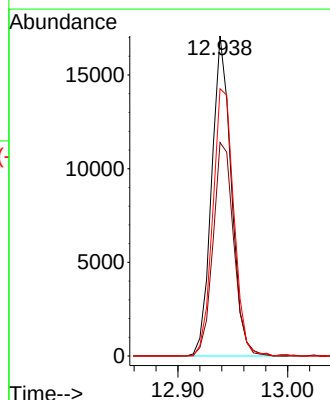
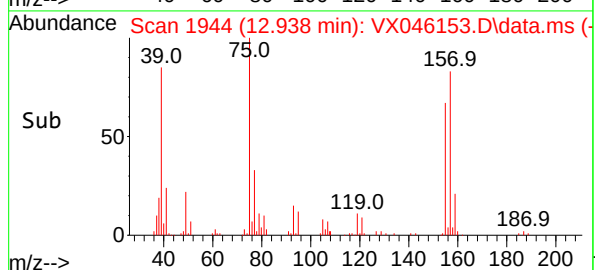
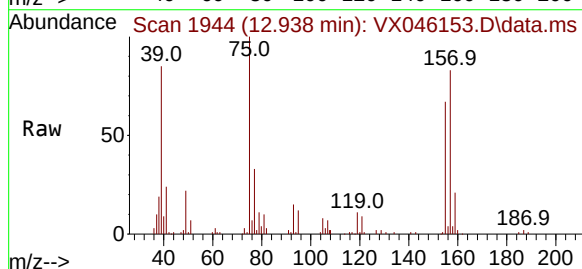
Manual Integrations
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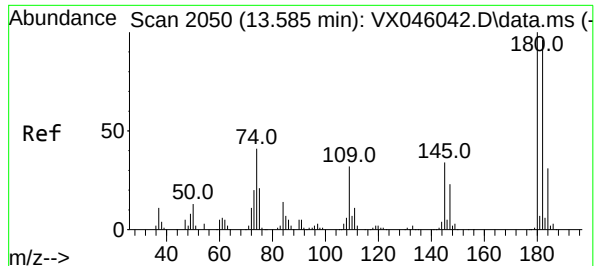
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 49.979 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

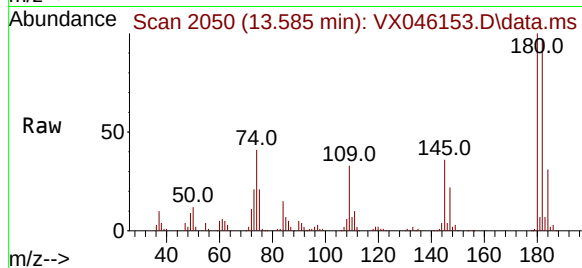
Tgt Ion: 75 Resp: 21277
Ion Ratio Lower Upper
75 100
155 70.0 34.9 104.8
157 89.5 43.8 131.4





#93
1,2,4-Trichlorobenzene
Concen: 50.026 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

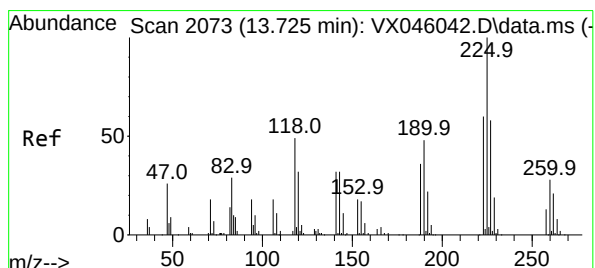
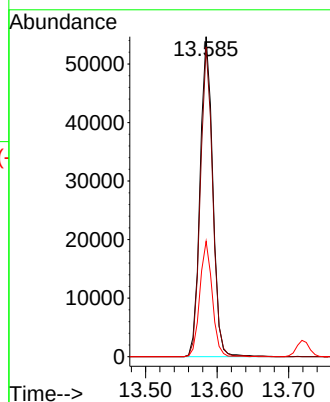
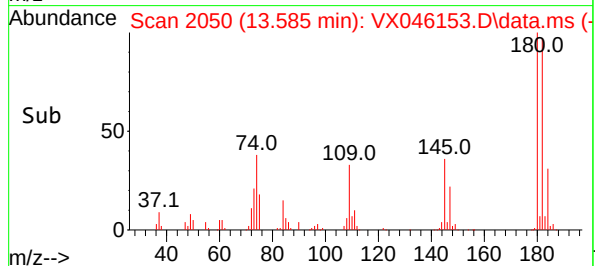
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



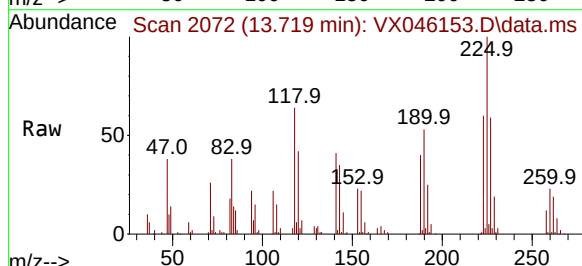
Tgt Ion:180 Resp: 66994
Ion Ratio Lower Upper
180 100
182 94.1 47.9 143.8
145 35.3 17.1 51.2

Manual Integrations
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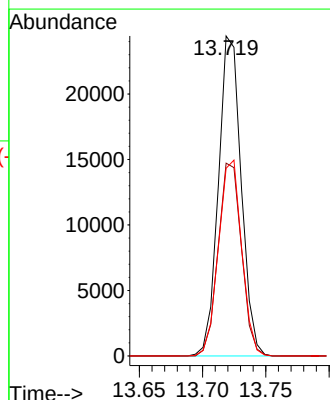
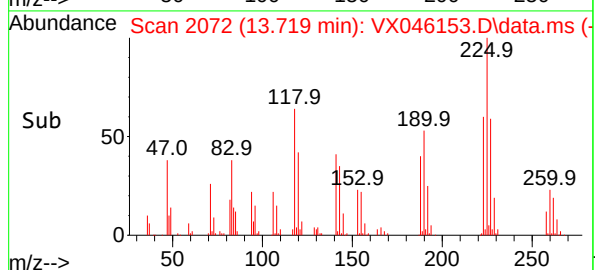
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

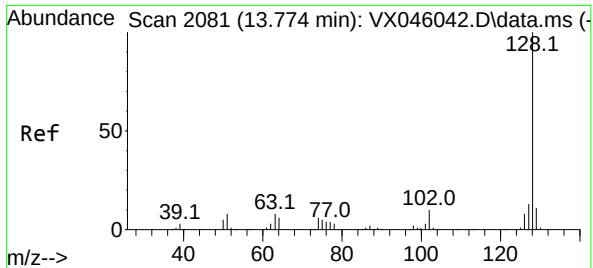


#94
Hexachlorobutadiene
Concen: 52.230 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.007 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00



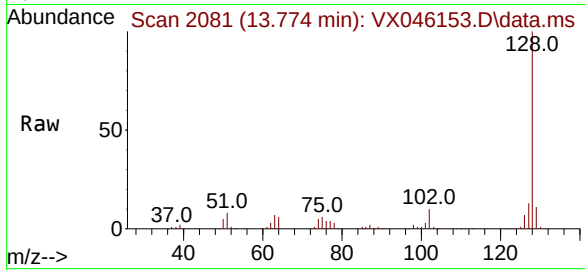
Tgt Ion:225 Resp: 30548
Ion Ratio Lower Upper
225 100
223 61.7 30.8 92.4
227 62.3 30.9 92.7





#95
Naphthalene
Concen: 49.076 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

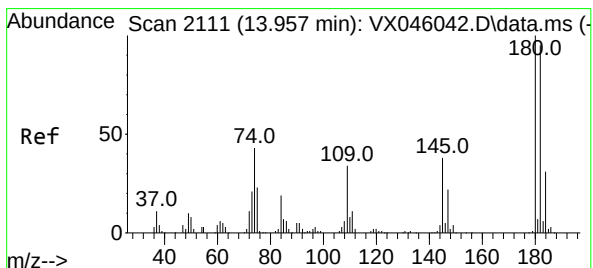
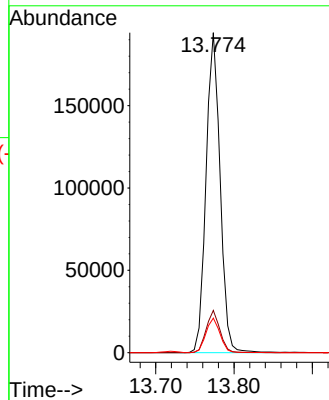
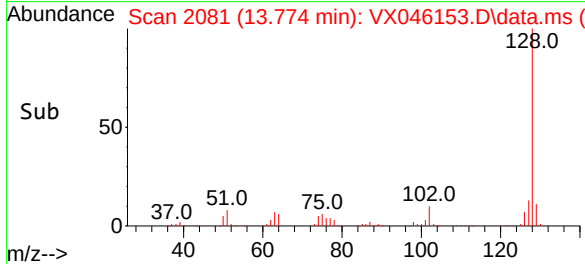
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:128 Resp: 24104
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.6 13.0

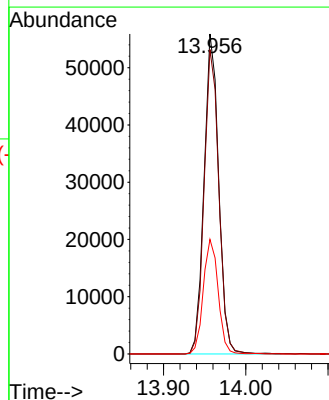
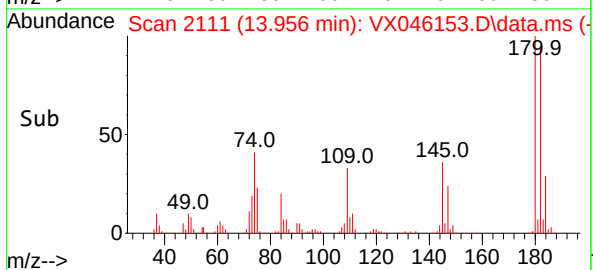
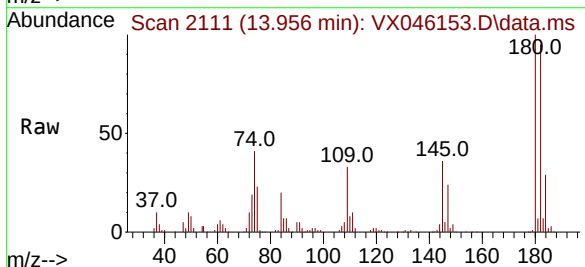
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.017 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046153.D
Acq: 13 May 2025 10:00

Tgt Ion:180 Resp: 69113
Ion Ratio Lower Upper
180 100
182 95.6 47.8 143.3
145 36.3 18.1 54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046153.D
 Acq On : 13 May 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 14 01:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	0.765	0.839	-9.7	99	0.00
3 P	Chloromethane	0.742	0.751	-1.2	98	0.00
4 C	Vinyl Chloride	0.691	0.696	-0.7#	99	0.00
5 T	Bromomethane	0.320	0.304	5.0	95	0.00
6 T	Chloroethane	0.369	0.375	-1.6	101	0.00
7 T	Trichlorofluoromethane	1.021	1.066	-4.4	101	0.00
8 T	Diethyl Ether	0.347	0.342	1.4	103	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.653	-3.3	103	0.00
10 T	Methyl Iodide	0.747	0.720	3.6	91	0.00
11 T	Tert butyl alcohol	0.131	0.128	2.3	100	0.00
12 CM	1,1-Dichloroethene	0.593	0.578	2.5#	98	0.00
13 T	Acrolein	0.149	0.170	-14.1	113	0.00
14 T	Allyl chloride	1.133	1.172	-3.4	101	0.00
15 T	Acrylonitrile	0.374	0.385	-2.9	101	0.00
16 T	Acetone	0.374	0.410	-9.6	115	0.00
17 T	Carbon Disulfide	1.406	1.375	2.2	96	0.00
18 T	Methyl Acetate	0.867	0.927	-6.9	111	0.00
19 T	Methyl tert-butyl Ether	2.079	2.132	-2.5	100	0.00
20 T	Methylene Chloride	0.716	0.668	6.7	99	0.00
21 T	trans-1,2-Dichloroethene	0.596	0.589	1.2	98	0.00
22 T	Diisopropyl ether	2.189	2.245	-2.6	100	0.00
23 T	Vinyl Acetate	1.925	2.002	-4.0	99	0.00
24 P	1,1-Dichloroethane	1.219	1.231	-1.0	99	0.00
25 T	2-Butanone	0.543	0.561	-3.3	103	0.00
26 T	2,2-Dichloropropane	0.954	0.993	-4.1	105	0.00
27 T	cis-1,2-Dichloroethene	0.718	0.715	0.4	98	0.00
28 T	Bromochloromethane	0.587	0.617	-5.1	108	-0.01
29 T	Tetrahydrofuran	0.340	0.343	-0.9	99	0.00
30 C	Chloroform	1.271	1.300	-2.3#	102	0.00
31 T	Cyclohexane	1.111	1.082	2.6	97	0.00
32 T	1,1,1-Trichloroethane	1.101	1.117	-1.5	100	0.00
33 S	1,2-Dichloroethane-d4	0.932	0.899	3.5	100	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35 S	Dibromofluoromethane	0.360	0.371	-3.1	104	0.00
36 T	1,1-Dichloropropene	0.484	0.482	0.4	97	0.00
37 T	Ethyl Acetate	0.598	0.606	-1.3	99	0.00
38 T	Carbon Tetrachloride	0.544	0.574	-5.5	102	0.00
39 T	Methylcyclohexane	0.623	0.621	0.3	97	0.00
40 TM	Benzene	1.417	1.440	-1.6	97	0.00
41 T	Methacrylonitrile	0.313	0.349	-11.5	101	0.00
42 TM	1,2-Dichloroethane	0.612	0.625	-2.1	99	0.00
43 T	Isopropyl Acetate	0.912	0.961	-5.4	99	0.00
44 TM	Trichloroethene	0.341	0.344	-0.9	96	0.00
45 C	1,2-Dichloropropane	0.352	0.370	-5.1#	99	0.00
46 T	Dibromomethane	0.278	0.285	-2.5	99	0.00
47 T	Bromodichloromethane	0.547	0.588	-7.5	101	0.00
48 T	Methyl methacrylate	0.466	0.507	-8.8	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046153.D
 Acq On : 13 May 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 14 01:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.009	0.009	0.0	99	0.00
50 S	Toluene-d8	1.246	1.236	0.8	101	0.00
51 T	4-Methyl-2-Pentanone	0.605	0.632	-4.5	99	0.00
52 CM	Toluene	0.869	0.884	-1.7#	98	0.00
53 T	t-1,3-Dichloropropene	0.487	0.532	-9.2	100	0.00
54 T	cis-1,3-Dichloropropene	0.538	0.581	-8.0	100	0.00
55 T	1,1,2-Trichloroethane	0.343	0.351	-2.3	99	0.00
56 T	Ethyl methacrylate	0.546	0.596	-9.2	100	0.00
57 T	1,3-Dichloropropane	0.615	0.624	-1.5	100	0.00
58 T	2-Chloroethyl Vinyl ether	0.278	0.304	-9.4	99	0.00
59 T	2-Hexanone	0.448	0.467	-4.2	98	0.00
60 T	Dibromochloromethane	0.376	0.418	-11.2	104	0.00
61 T	1,2-Dibromoethane	0.356	0.368	-3.4	98	0.00
62 S	4-Bromofluorobenzene	0.478	0.484	-1.3	102	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64 T	Tetrachloroethene	0.354	0.368	-4.0	98	0.00
65 PM	Chlorobenzene	1.094	1.091	0.3	100	0.00
66 T	1,1,1,2-Tetrachloroethane	0.374	0.391	-4.5	100	0.00
67 C	Ethyl Benzene	1.929	1.981	-2.7#	98	0.00
68 T	m/p-Xylenes	0.706	0.736	-4.2	100	0.00
69 T	o-Xylene	0.688	0.715	-3.9	99	0.00
70 T	Styrene	1.127	1.209	-7.3	99	0.00
71 P	Bromoform	0.281	0.307	-9.3	101	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73 T	Isopropylbenzene	3.893	4.009	-3.0	101	0.00
74 T	N-amyl acetate	1.924	1.937	-0.7	97	0.00
75 P	1,1,2,2-Tetrachloroethane	1.364	1.283	5.9	99	0.00
76 T	1,2,3-Trichloropropane	1.204	1.162	3.5	101	0.00
77 T	Bromobenzene	0.904	0.908	-0.4	101	0.00
78 T	n-propylbenzene	4.526	4.723	-4.4	101	0.00
79 T	2-Chlorotoluene	2.919	2.882	1.3	100	0.00
80 T	1,3,5-Trimethylbenzene	3.252	3.392	-4.3	101	0.00
81 T	trans-1,4-Dichloro-2-butene	0.370	0.376	-1.6	101	0.00
82 T	4-Chlorotoluene	3.238	3.359	-3.7	101	0.00
83 T	tert-Butylbenzene	3.276	3.338	-1.9	101	0.00
84 T	1,2,4-Trimethylbenzene	3.293	3.424	-4.0	101	0.00
85 T	sec-Butylbenzene	4.022	4.246	-5.6	103	0.00
86 T	p-Isopropyltoluene	3.320	3.503	-5.5	102	0.00
87 T	1,3-Dichlorobenzene	1.649	1.673	-1.5	102	0.00
88 T	1,4-Dichlorobenzene	1.684	1.657	1.6	101	0.00
89 T	n-Butylbenzene	2.912	3.137	-7.7	103	0.00
90 T	Hexachloroethane	0.585	0.623	-6.5	104	0.00
91 T	1,2-Dichlorobenzene	1.655	1.637	1.1	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.302	0.302	0.0	97	0.00
93 T	1,2,4-Trichlorobenzene	0.951	0.951	0.0	101	0.00
94 T	Hexachlorobutadiene	0.415	0.434	-4.6	105	0.00
95 T	Naphthalene	3.487	3.422	1.9	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046153.D
Acq On : 13 May 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 14 01:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.981	0.981	0.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046153.D
 Acq On : 13 May 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 14 01:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	50.000	54.831	-9.7	99	0.00
3 P	Chloromethane	50.000	50.599	-1.2	98	0.00
4 C	Vinyl Chloride	50.000	50.372	-0.7#	99	0.00
5 T	Bromomethane	50.000	47.492	5.0	95	0.00
6 T	Chloroethane	50.000	50.814	-1.6	101	0.00
7 T	Trichlorofluoromethane	50.000	52.202	-4.4	101	0.00
8 T	Diethyl Ether	50.000	49.172	1.7	103	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.683	-3.4	103	0.00
10 T	Methyl Iodide	50.000	48.163	3.7	91	0.00
11 T	Tert butyl alcohol	250.000	243.884	2.4	100	0.00
12 CM	1,1-Dichloroethene	50.000	48.725	2.5#	98	0.00
13 T	Acrolein	250.000	285.492	-14.2	113	0.00
14 T	Allyl chloride	50.000	51.734	-3.5	101	0.00
15 T	Acrylonitrile	250.000	256.923	-2.8	101	0.00
16 T	Acetone	250.000	274.202	-9.7	115	0.00
17 T	Carbon Disulfide	50.000	48.923	2.2	96	0.00
18 T	Methyl Acetate	50.000	53.463	-6.9	111	0.00
19 T	Methyl tert-butyl Ether	50.000	51.273	-2.5	100	0.00
20 T	Methylene Chloride	50.000	46.617	6.8	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.427	1.1	98	0.00
22 T	Diisopropyl ether	50.000	51.279	-2.6	100	0.00
23 T	Vinyl Acetate	250.000	259.937	-4.0	99	0.00
24 P	1,1-Dichloroethane	50.000	50.473	-0.9	99	0.00
25 T	2-Butanone	250.000	258.541	-3.4	103	0.00
26 T	2,2-Dichloropropane	50.000	52.058	-4.1	105	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.788	0.4	98	0.00
28 T	Bromochloromethane	50.000	52.554	-5.1	108	-0.01
29 T	Tetrahydrofuran	250.000	252.509	-1.0	99	0.00
30 C	Chloroform	50.000	51.150	-2.3#	102	0.00
31 T	Cyclohexane	50.000	48.684	2.6	97	0.00
32 T	1,1,1-Trichloroethane	50.000	50.711	-1.4	100	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.218	3.6	100	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35 S	Dibromofluoromethane	50.000	51.505	-3.0	104	0.00
36 T	1,1-Dichloropropene	50.000	49.767	0.5	97	0.00
37 T	Ethyl Acetate	50.000	50.711	-1.4	99	0.00
38 T	Carbon Tetrachloride	50.000	52.757	-5.5	102	0.00
39 T	Methylcyclohexane	50.000	49.874	0.3	97	0.00
40 TM	Benzene	50.000	50.821	-1.6	97	0.00
41 T	Methacrylonitrile	50.000	55.803	-11.6	101	0.00
42 TM	1,2-Dichloroethane	50.000	51.108	-2.2	99	0.00
43 T	Isopropyl Acetate	50.000	52.712	-5.4	99	0.00
44 TM	Trichloroethene	50.000	50.391	-0.8	96	0.00
45 C	1,2-Dichloropropane	50.000	52.547	-5.1#	99	0.00
46 T	Dibromomethane	50.000	51.357	-2.7	99	0.00
47 T	Bromodichloromethane	50.000	53.671	-7.3	101	0.00
48 T	Methyl methacrylate	50.000	54.412	-8.8	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046153.D
 Acq On : 13 May 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 14 01:33:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1016.342	-1.6	99	0.00
50 S	Toluene-d8	50.000	49.588	0.8	101	0.00
51 T	4-Methyl-2-Pentanone	250.000	261.030	-4.4	99	0.00
52 CM	Toluene	50.000	50.851	-1.7#	98	0.00
53 T	t-1,3-Dichloropropene	50.000	54.650	-9.3	100	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.981	-8.0	100	0.00
55 T	1,1,2-Trichloroethane	50.000	51.177	-2.4	99	0.00
56 T	Ethyl methacrylate	50.000	54.564	-9.1	100	0.00
57 T	1,3-Dichloropropane	50.000	50.716	-1.4	100	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	273.344	-9.3	99	0.00
59 T	2-Hexanone	250.000	260.479	-4.2	98	0.00
60 T	Dibromochloromethane	50.000	55.484	-11.0	104	0.00
61 T	1,2-Dibromoethane	50.000	51.616	-3.2	98	0.00
62 S	4-Bromofluorobenzene	50.000	50.604	-1.2	102	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64 T	Tetrachloroethene	50.000	51.953	-3.9	98	0.00
65 PM	Chlorobenzene	50.000	49.867	0.3	100	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.285	-4.6	100	0.00
67 C	Ethyl Benzene	50.000	51.336	-2.7#	98	0.00
68 T	m/p-Xylenes	100.000	104.273	-4.3	100	0.00
69 T	o-Xylene	50.000	52.001	-4.0	99	0.00
70 T	Styrene	50.000	53.645	-7.3	99	0.00
71 P	Bromoform	50.000	54.730	-9.5	101	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73 T	Isopropylbenzene	50.000	51.497	-3.0	101	0.00
74 T	N-ethyl acetate	50.000	50.348	-0.7	97	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.026	5.9	99	0.00
76 T	1,2,3-Trichloropropane	50.000	48.256	3.5	101	0.00
77 T	Bromobenzene	50.000	50.237	-0.5	101	0.00
78 T	n-propylbenzene	50.000	52.174	-4.3	101	0.00
79 T	2-Chlorotoluene	50.000	49.362	1.3	100	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.146	-4.3	101	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.850	-1.7	101	0.00
82 T	4-Chlorotoluene	50.000	51.872	-3.7	101	0.00
83 T	tert-Butylbenzene	50.000	50.951	-1.9	101	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.989	-4.0	101	0.00
85 T	sec-Butylbenzene	50.000	52.784	-5.6	103	0.00
86 T	p-Isopropyltoluene	50.000	52.751	-5.5	102	0.00
87 T	1,3-Dichlorobenzene	50.000	50.715	-1.4	102	0.00
88 T	1,4-Dichlorobenzene	50.000	49.172	1.7	101	0.00
89 T	n-Butylbenzene	50.000	53.855	-7.7	103	0.00
90 T	Hexachloroethane	50.000	53.296	-6.6	104	0.00
91 T	1,2-Dichlorobenzene	50.000	49.450	1.1	100	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.979	0.0	97	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.026	-0.1	101	0.00
94 T	Hexachlorobutadiene	50.000	52.230	-4.5	105	0.00
95 T	Naphthalene	50.000	49.076	1.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046153.D
Acq On : 13 May 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 14 01:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.017	-0.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2001 SAS No.: Q2001 SDG No.: Q2001

Instrument ID: MSVOA_X Calibration Date/Time: 05/14/2025 09:59

Lab File ID: VX046181.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.691	0.687		-0.58	20
1,1-Dichloroethene	0.593	0.584		-1.52	20
2-Butanone	0.543	0.560		3.13	20
Carbon Tetrachloride	0.544	0.568		4.41	20
Chloroform	1.271	1.302		2.44	20
Benzene	1.417	1.472		3.88	20
1,2-Dichloroethane	0.612	0.643		5.07	20
Trichloroethene	0.341	0.354		3.81	20
Tetrachloroethene	0.354	0.354		0	20
Chlorobenzene	1.094	1.097	0.3	0.27	20
1,2-Dichloroethane-d4	0.932	0.914		-1.93	20
Dibromofluoromethane	0.360	0.380		5.56	20
Toluene-d8	1.246	1.293		3.77	20
4-Bromofluorobenzene	0.478	0.507		6.07	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046181.D
 Acq On : 14 May 2025 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	92522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155707	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84565	49.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.060%		
35) Dibromofluoromethane	5.379	113	59183	52.783	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.560%		
50) Toluene-d8	8.640	98	201370	51.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.780%		
62) 4-Bromofluorobenzene	11.079	95	78977	53.054	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	106.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	75455	53.283	ug/l	97
3) Chloromethane	1.306	50	69407	50.541	ug/l	98
4) Vinyl Chloride	1.373	62	63538	49.713	ug/l	99
5) Bromomethane	1.593	94	26858	45.307	ug/l	97
6) Chloroethane	1.666	64	33944	49.749	ug/l	97
7) Trichlorofluoromethane	1.873	101	96944	51.323	ug/l	98
8) Diethyl Ether	2.135	74	31040	48.272	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	60493	51.750	ug/l	99
10) Methyl Iodide	2.440	142	61544	44.495	ug/l	98
11) Tert butyl alcohol	2.983	59	58844	243.032	ug/l	99
12) 1,1-Dichloroethene	2.306	96	54016	49.236	ug/l	98
13) Acrolein	2.233	56	74317	269.517	ug/l	100
14) Allyl chloride	2.654	41	108978	51.975	ug/l	98
15) Acrylonitrile	3.062	53	177703	256.670	ug/l	97
16) Acetone	2.385	43	178746	258.450	ug/l	100
17) Carbon Disulfide	2.501	76	120213	46.219	ug/l	99
18) Methyl Acetate	2.702	43	86558	53.934	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	197109	51.246	ug/l	99
20) Methylene Chloride	2.782	84	62797	47.382	ug/l	96
21) trans-1,2-Dichloroethene	3.080	96	53849	48.808	ug/l	96
22) Diisopropyl ether	3.757	45	211893	52.318	ug/l	97
23) Vinyl Acetate	3.714	43	919719	258.187	ug/l	99
24) 1,1-Dichloroethane	3.599	63	114951	50.957	ug/l	98
25) 2-Butanone	4.556	43	259186	258.137	ug/l	99
26) 2,2-Dichloropropane	4.464	77	88821	50.305	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	66737	50.247	ug/l	99
28) Bromochloromethane	4.891	49	53358	49.140	ug/l	99
29) Tetrahydrofuran	5.001	42	160021	254.336	ug/l	99
30) Chloroform	5.086	83	120443	51.225	ug/l	96
31) Cyclohexane	5.458	56	100204	48.746	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	103781	50.918	ug/l	99
36) 1,1-Dichloropropene	5.684	75	75672	50.230	ug/l	99
37) Ethyl Acetate	4.708	43	95498	51.307	ug/l	99
38) Carbon Tetrachloride	5.671	117	88471	52.266	ug/l	97
39) Methylcyclohexane	7.372	83	98803	50.942	ug/l	95
40) Benzene	6.025	78	229214	51.944	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046181.D
 Acq On : 14 May 2025 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/15/2025
 Supervised By : Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	55872	57.383	ug/l	99
42) 1,2-Dichloroethane	6.080	62	100162	52.592	ug/l	100
43) Isopropyl Acetate	6.336	43	152717	53.783	ug/l	100
44) Trichloroethene	7.122	130	55066	51.848	ug/l	100
45) 1,2-Dichloropropane	7.421	63	59276	54.022	ug/l	100
46) Dibromomethane	7.573	93	45403	52.464	ug/l	99
47) Bromodichloromethane	7.817	83	92130	54.051	ug/l	98
48) Methyl methacrylate	7.689	41	79292	54.678	ug/l	99
49) 1,4-Dioxane	7.659	88	29613	1075.475	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	507725	269.373	ug/l	100
52) Toluene	8.713	92	141251	52.203	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	82854	54.688	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	90937	54.307	ug/l	99
55) 1,1,2-Trichloroethane	9.146	97	57222	53.633	ug/l	96
56) Ethyl methacrylate	9.116	69	95191	55.981	ug/l	99
57) 1,3-Dichloropropane	9.305	76	100399	52.398	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	250117	288.517	ug/l	100
59) 2-Hexanone	9.427	43	373605	267.919	ug/l	100
60) Dibromochloromethane	9.518	129	65246	55.684	ug/l	100
61) 1,2-Dibromoethane	9.604	107	58733	52.965	ug/l	98
64) Tetrachloroethene	9.268	164	49716	50.004	ug/l	97
65) Chlorobenzene	10.073	112	154083	50.098	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	53417	50.862	ug/l	99
67) Ethyl Benzene	10.189	91	281152	51.859	ug/l	99
68) m/p-Xylenes	10.299	106	206571	104.178	ug/l	98
69) o-Xylene	10.640	106	100862	52.176	ug/l	97
70) Styrene	10.652	104	173899	54.916	ug/l	100
71) Bromoform	10.799	173	41583	52.737	ug/l #	98
73) Isopropylbenzene	10.957	105	273816	53.491	ug/l	99
74) N-amyl acetate	10.841	43	130717	51.677	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87500	48.778	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	77241m	48.805	ug/l	
77) Bromobenzene	11.195	156	61354	51.627	ug/l	100
78) n-propylbenzene	11.298	91	320409	53.832	ug/l	100
79) 2-Chlorotoluene	11.359	91	196787	51.259	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	234370	54.804	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	24582	50.568	ug/l	99
82) 4-Chlorotoluene	11.451	91	226547	53.213	ug/l	99
83) tert-Butylbenzene	11.713	119	227279	52.762	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	230811	53.296	ug/l	100
85) sec-Butylbenzene	11.890	105	287878	54.429	ug/l	100
86) p-Isopropyltoluene	12.006	119	237747	54.457	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	113068	52.131	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	112173	50.642	ug/l	99
89) n-Butylbenzene	12.329	91	213223	55.679	ug/l	99
90) Hexachloroethane	12.536	117	40847	53.107	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	112711	51.786	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20686	52.054	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	67243	53.791	ug/l	98
94) Hexachlorobutadiene	13.725	225	28755	52.668	ug/l	98
95) Naphthalene	13.774	128	238800	52.084	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	69216	53.661	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

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

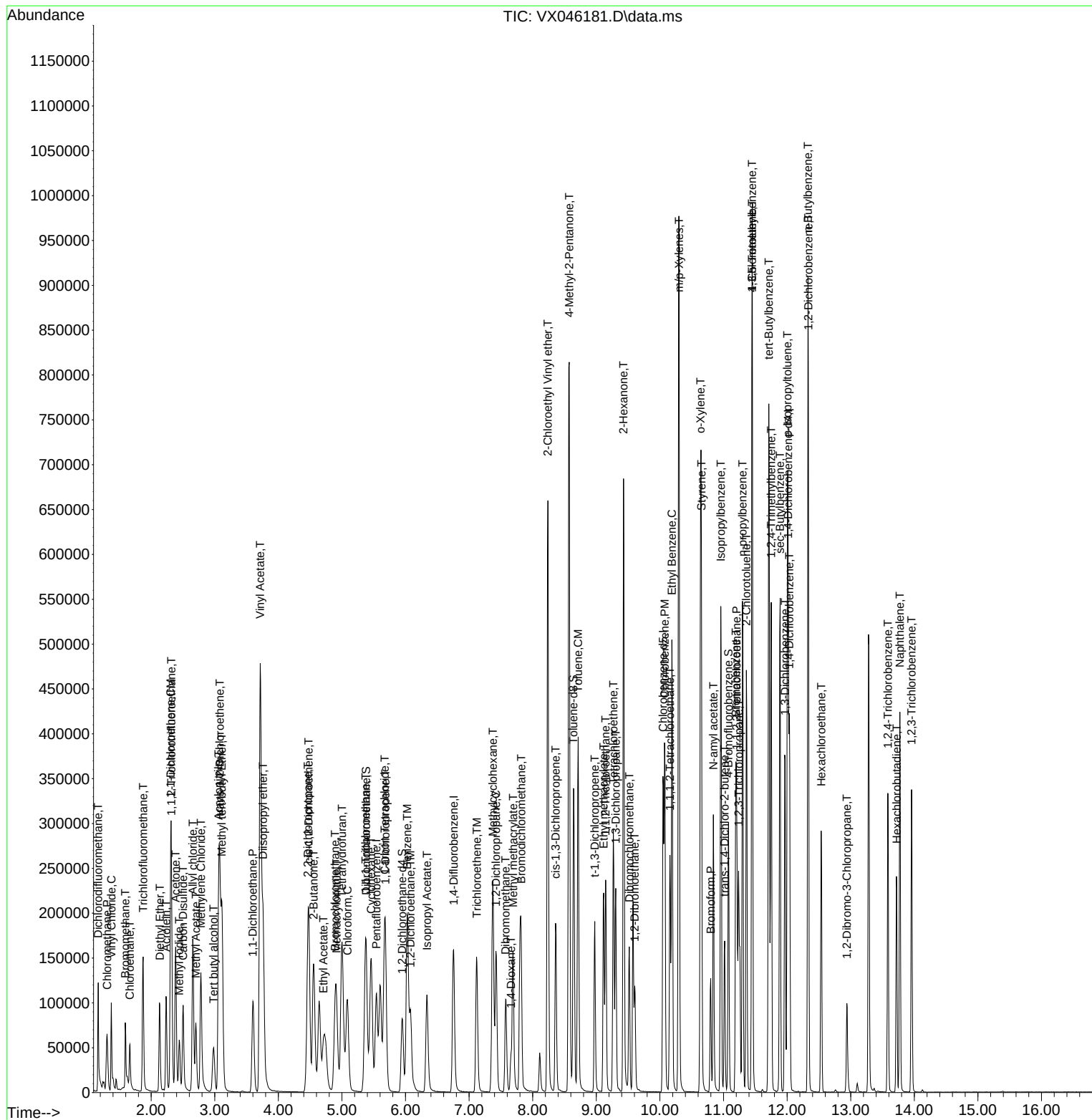
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Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

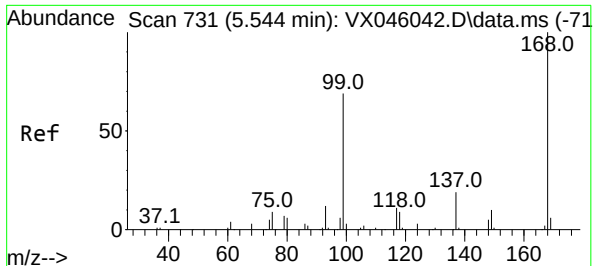
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By : John Carlone 05/15/2025
Supervised By : Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration





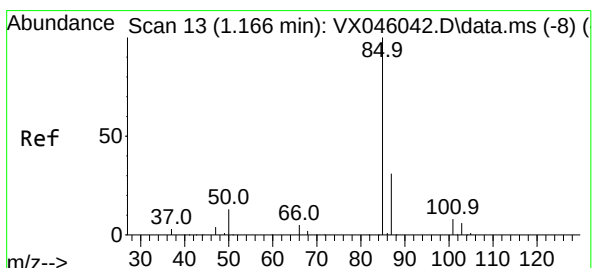
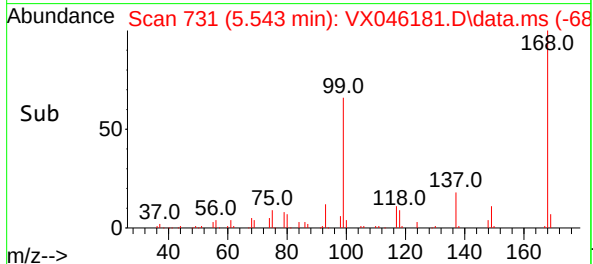
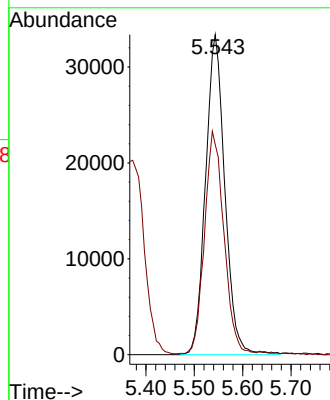
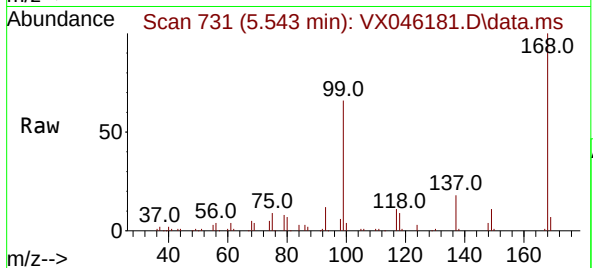
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 9252
Ion Ratio Lower Upper
168 100
99 65.3 54.9 82.3

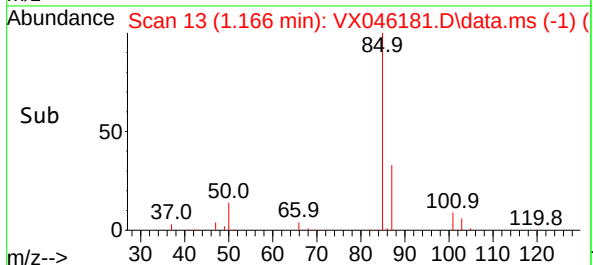
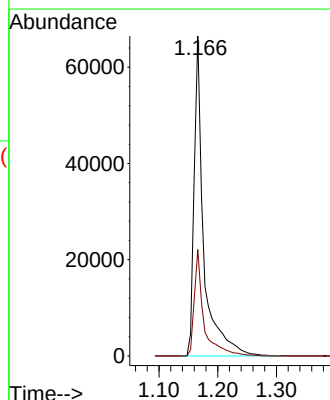
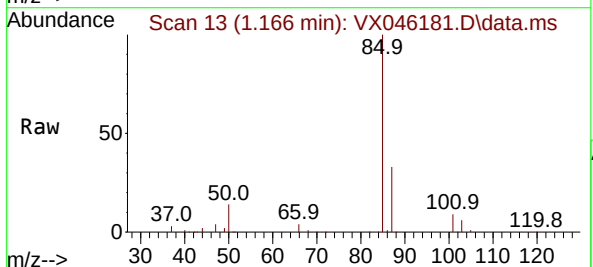
Manual Integrations
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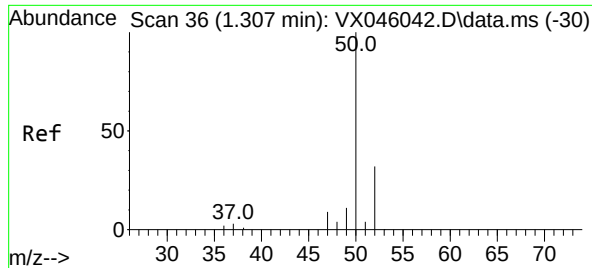
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#2
Dichlorodifluoromethane
Concen: 53.283 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion: 85 Resp: 75455
Ion Ratio Lower Upper
85 100
87 33.2 15.7 47.1





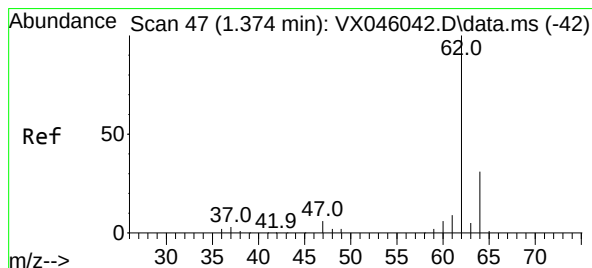
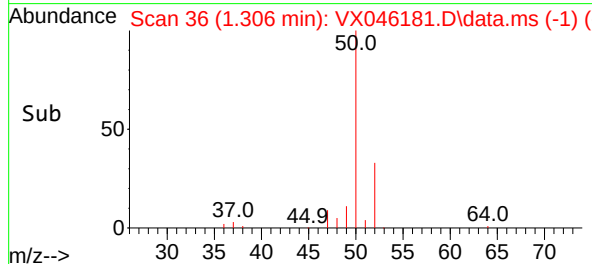
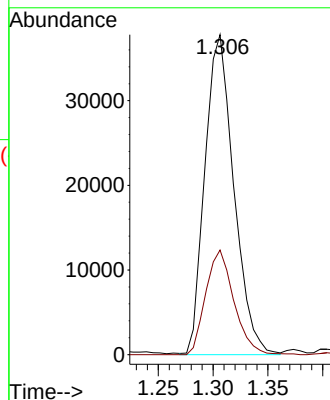
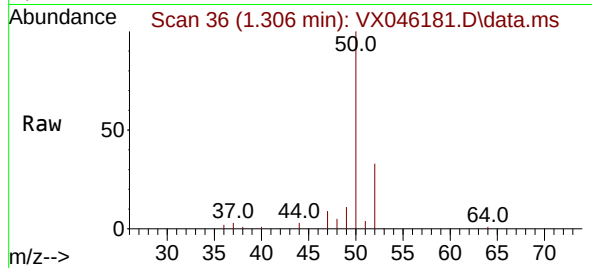
#3
Chloromethane
Concen: 50.541 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 6940
Ion Ratio Lower Upper
50 100
52 32.8 25.4 38.2

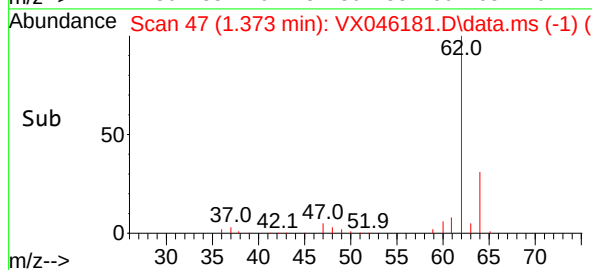
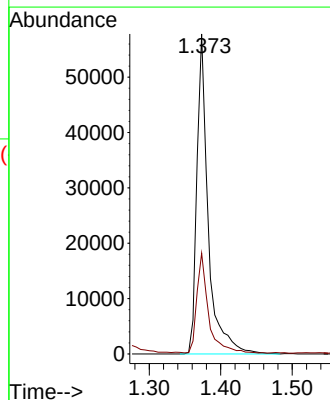
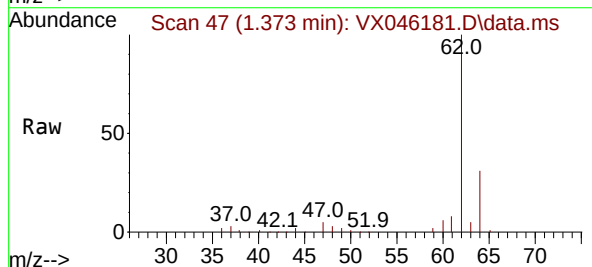
Manual Integrations
APPROVED

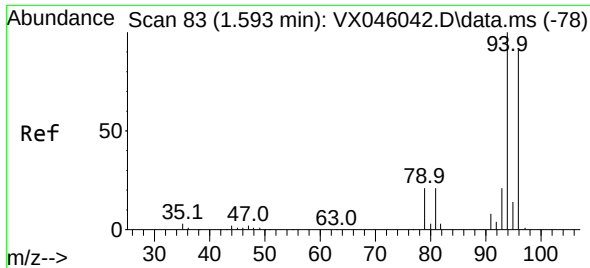
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#4
Vinyl Chloride
Concen: 49.713 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion: 62 Resp: 63538
Ion Ratio Lower Upper
62 100
64 31.2 25.2 37.8





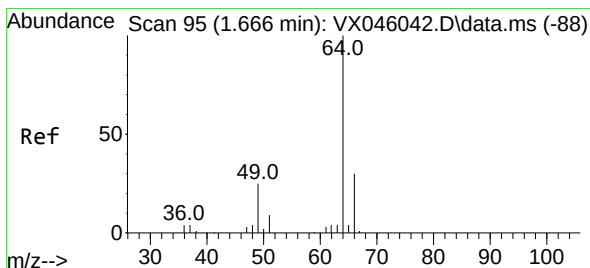
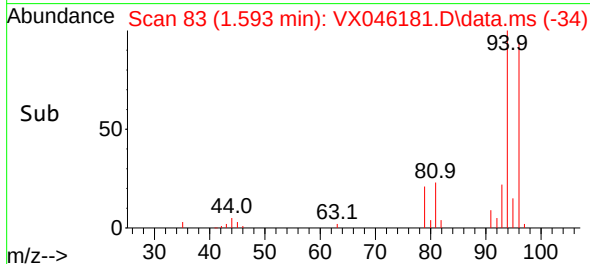
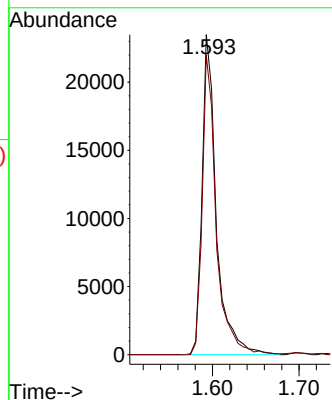
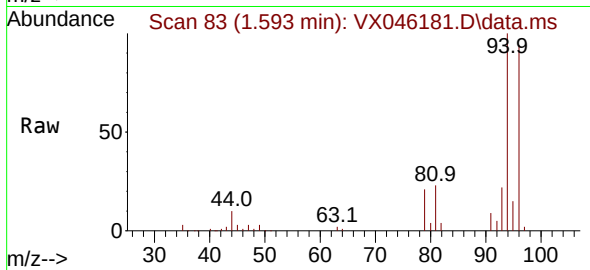
#5
Bromomethane
Concen: 45.307 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 2685
Ion Ratio Lower Upper
94 100
96 93.7 72.8 109.2

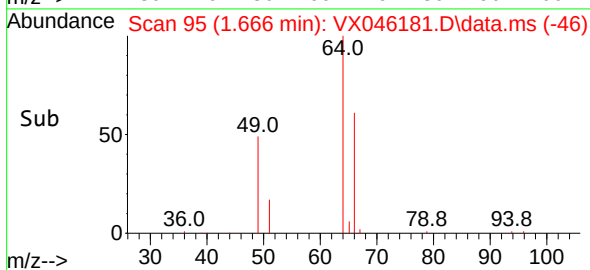
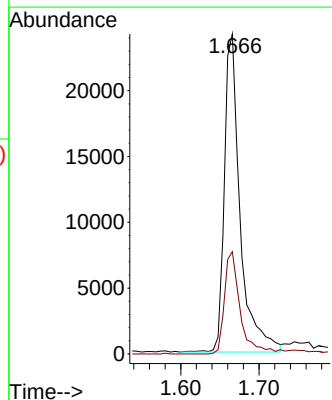
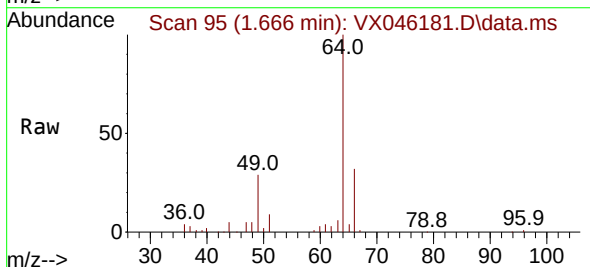
Manual Integrations
APPROVED

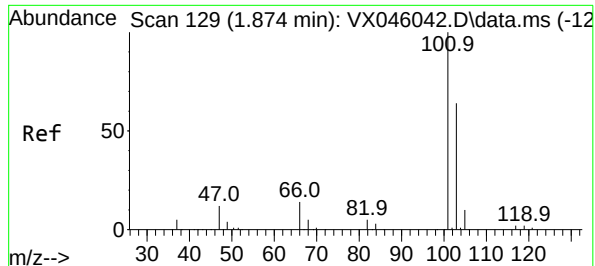
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#6
Chloroethane
Concen: 49.749 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

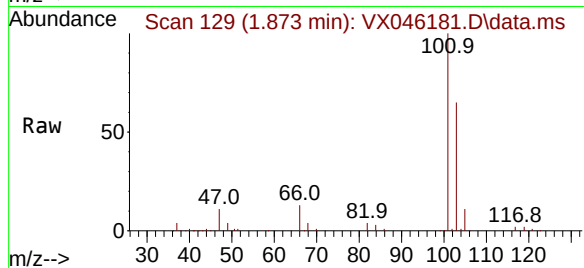
Tgt Ion: 64 Resp: 33944
Ion Ratio Lower Upper
64 100
66 32.1 24.3 36.5





#7
Trichlorofluoromethane
Concen: 51.323 ug/l
RT: 1.873 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

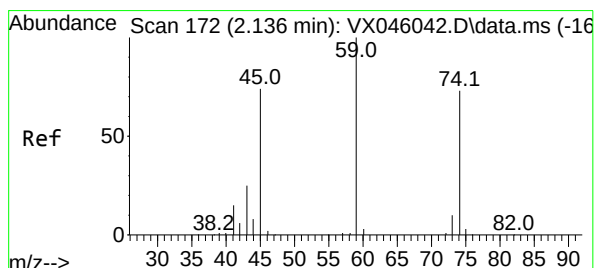
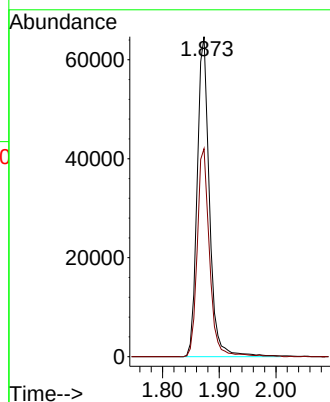
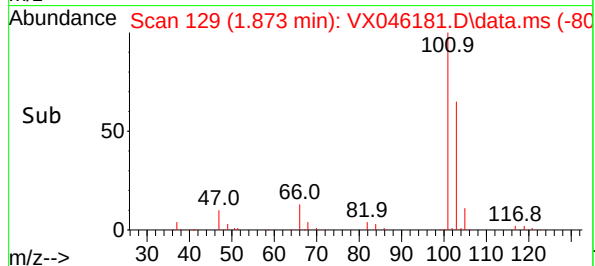
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 96944
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.4

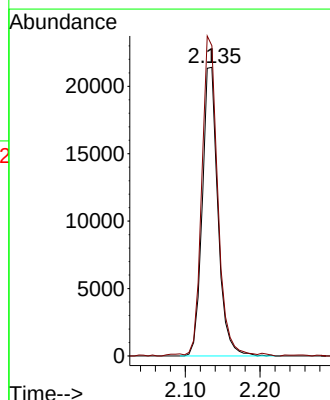
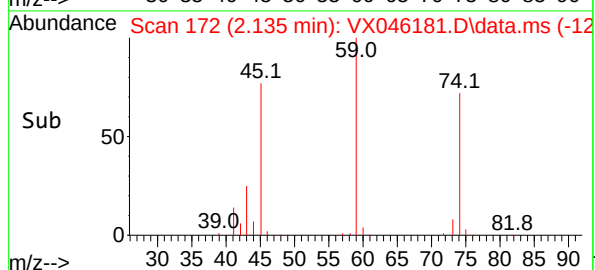
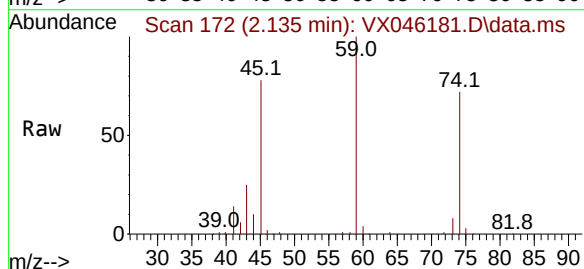
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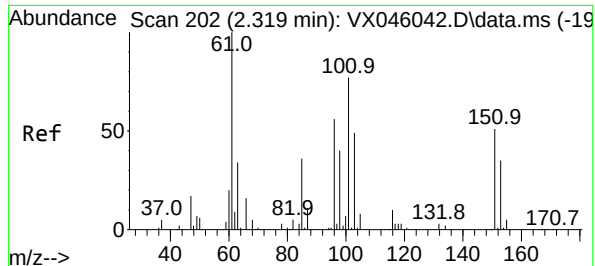
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#8
Diethyl Ether
Concen: 48.272 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion: 74 Resp: 31040
Ion Ratio Lower Upper
74 100
45 113.7 54.9 164.8





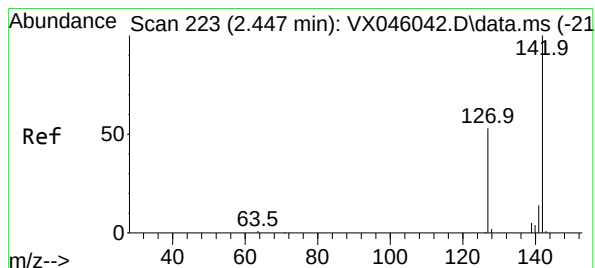
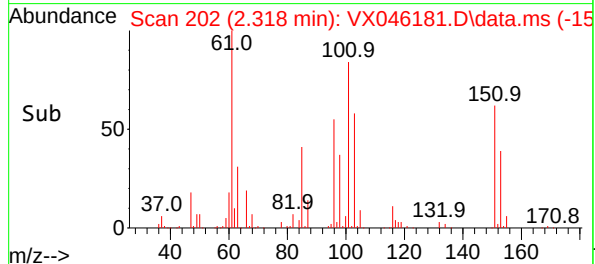
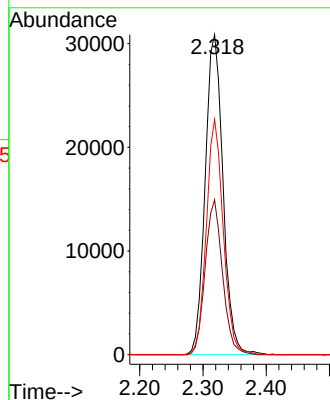
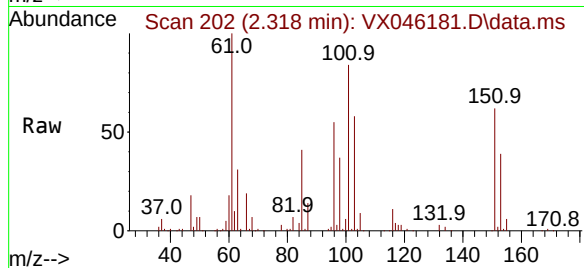
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.750 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 6049
Ion Ratio Lower Upper
101 100
85 47.2 38.6 58.0
151 70.1 55.2 82.8

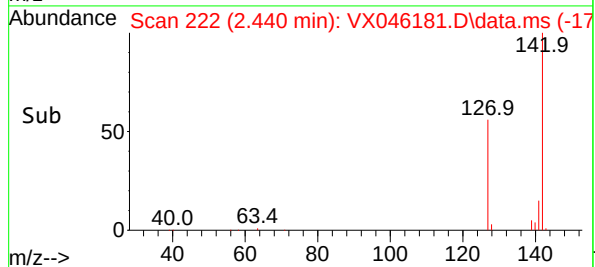
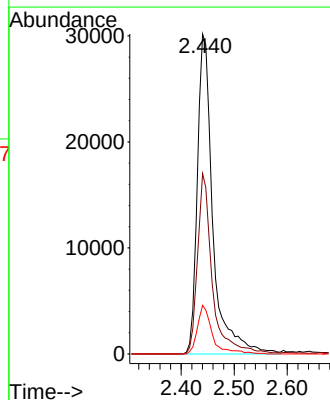
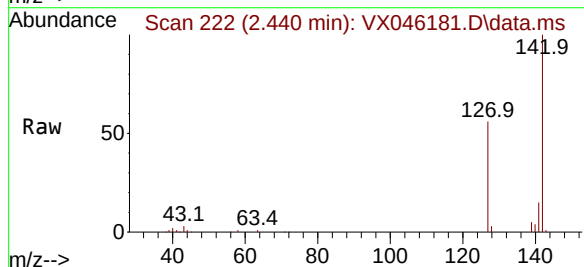
Manual Integrations
APPROVED

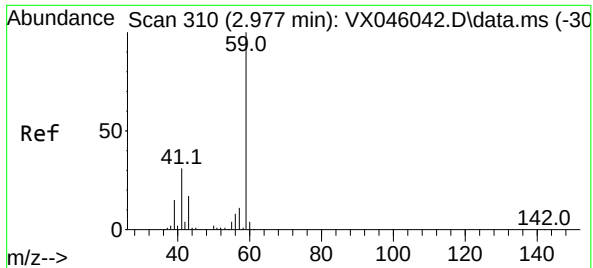
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#10
Methyl Iodide
Concen: 44.495 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion:142 Resp: 61544
Ion Ratio Lower Upper
142 100
127 53.8 41.7 62.5
141 14.6 11.5 17.3





#11

Tert butyl alcohol

Concen: 243.032 ug/l

RT: 2.983 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 5884

Ion Ratio Lower Upper

59 100

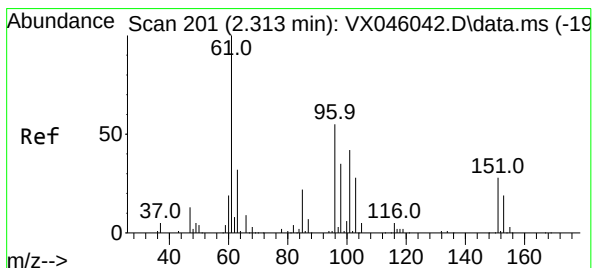
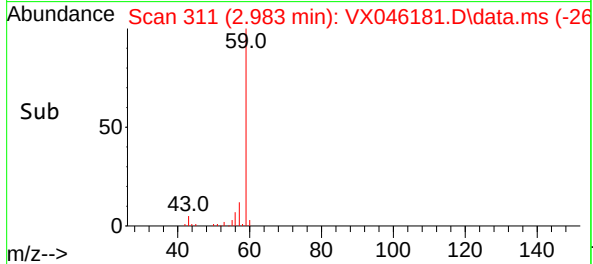
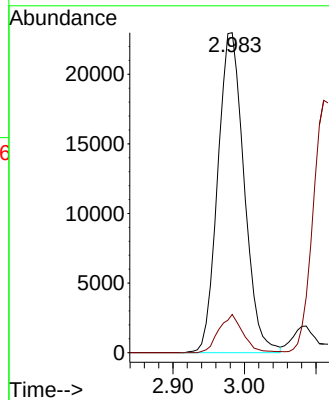
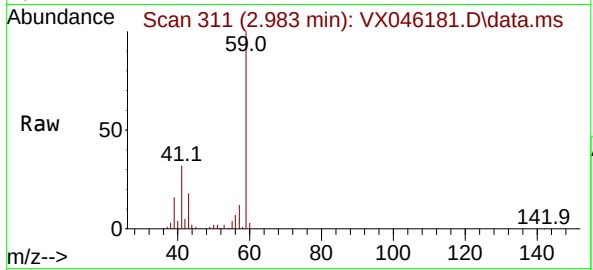
57 11.0 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#12

1,1-Dichloroethene

Concen: 49.236 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

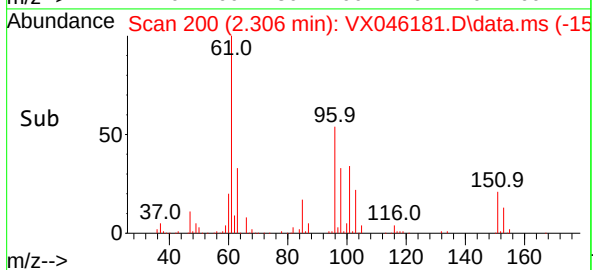
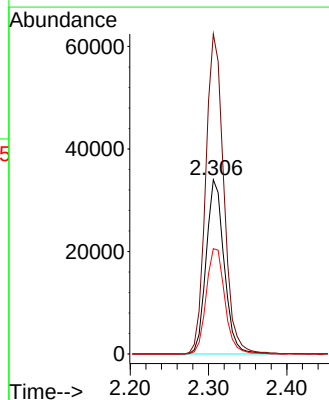
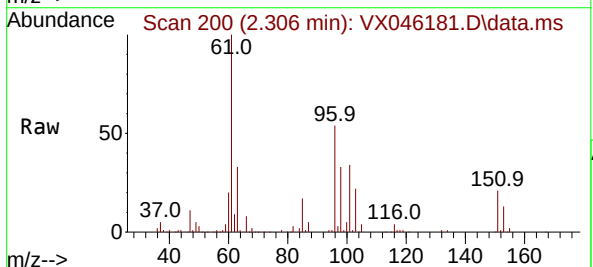
Tgt Ion: 96 Resp: 54016

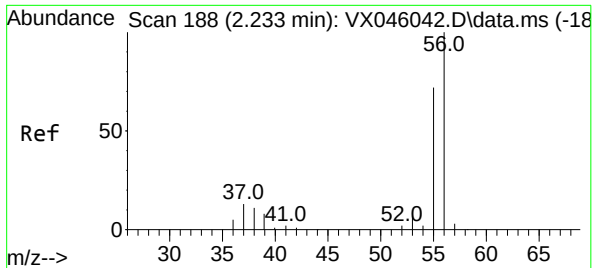
Ion Ratio Lower Upper

96 100

61 183.6 146.2 219.2

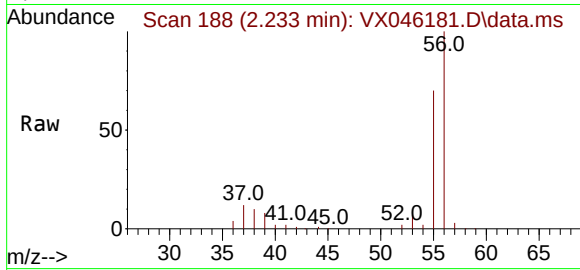
98 60.4 51.0 76.6





#13
Acrolein
Concen: 269.517 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

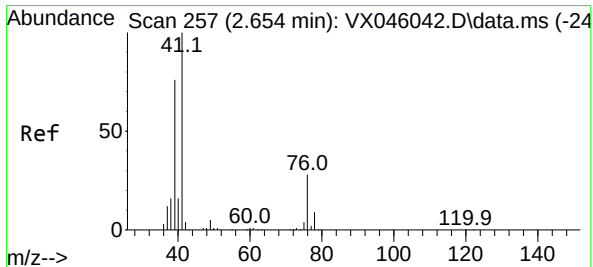
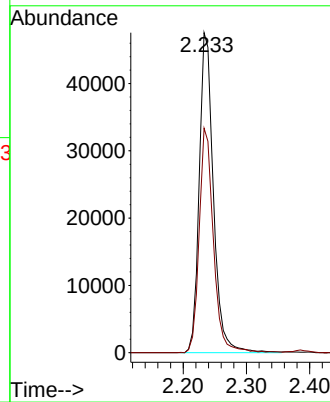
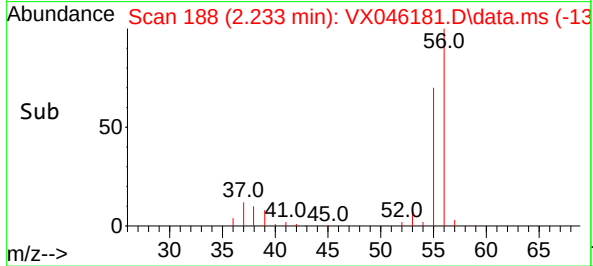
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 7431
Ion Ratio Lower Upper
56 100
55 70.7 56.2 84.4

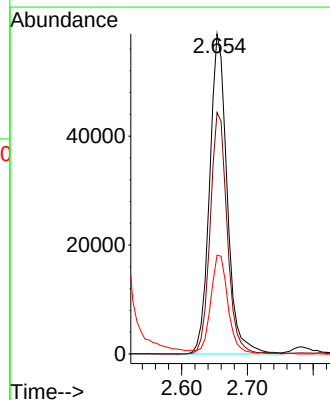
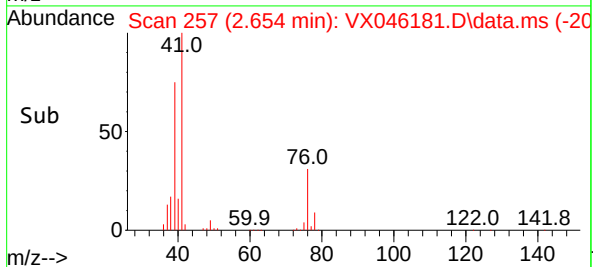
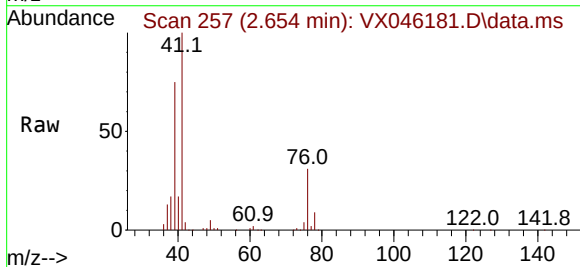
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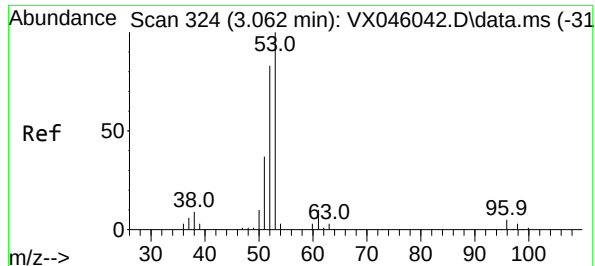
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#14
Allyl chloride
Concen: 51.975 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion: 41 Resp: 108978
Ion Ratio Lower Upper
41 100
39 73.2 60.6 90.8
76 30.4 24.9 37.3





#15

Acrylonitrile

Concen: 256.670 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 17770

Ion Ratio Lower Upper

53 100

52 84.6 65.3 97.9

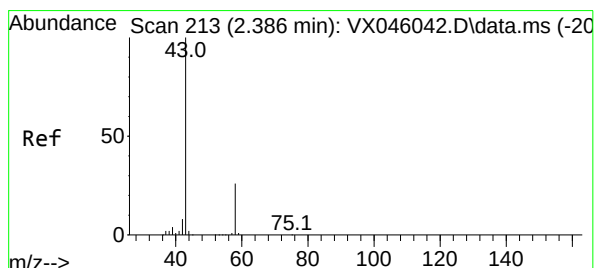
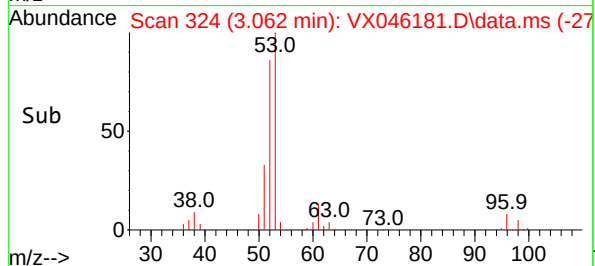
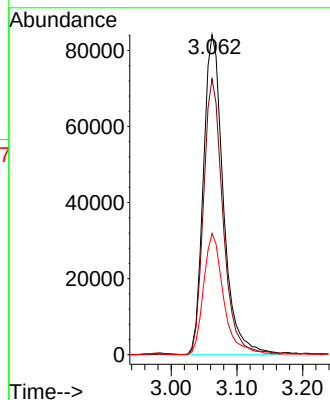
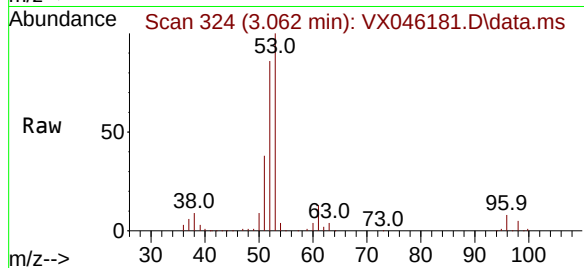
51 38.3 29.8 44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#16

Acetone

Concen: 258.450 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX046181.D

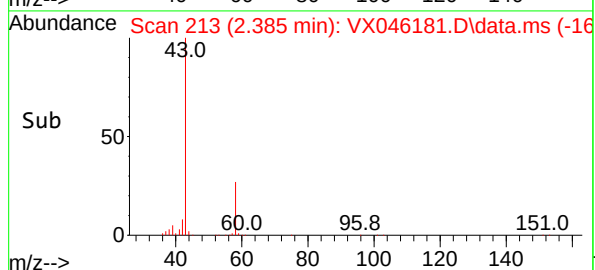
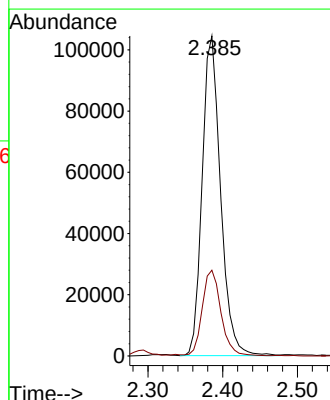
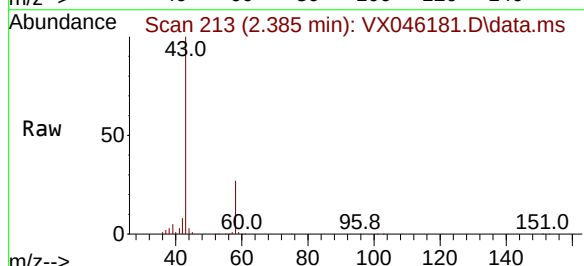
Acq: 14 May 2025 09:59

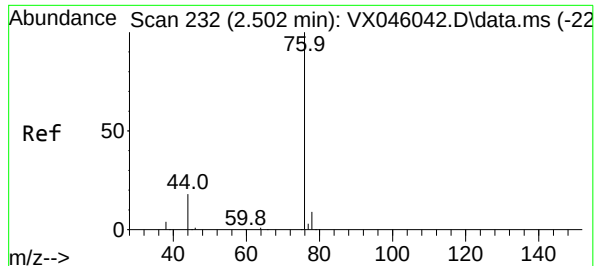
Tgt Ion: 43 Resp: 178746

Ion Ratio Lower Upper

43 100

58 26.7 21.2 31.8





#17

Carbon Disulfide

Concen: 46.219 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 12021

Ion Ratio Lower Upper

76 100

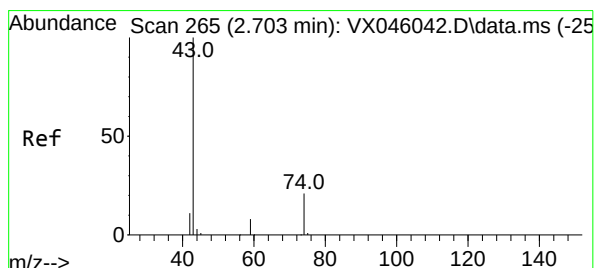
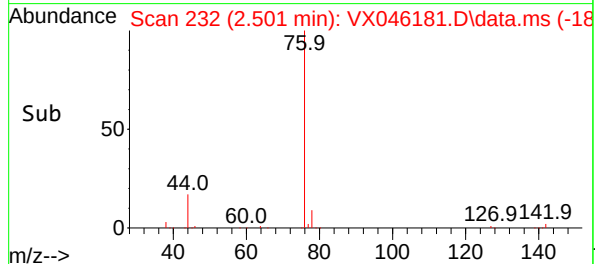
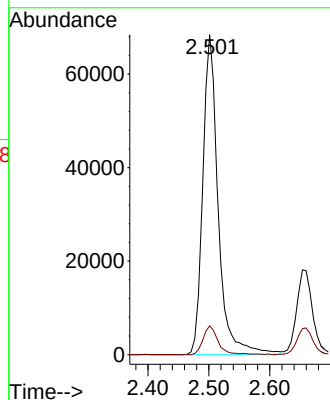
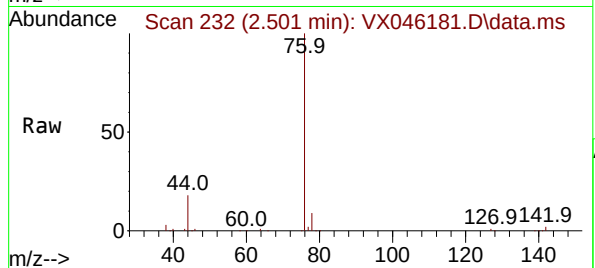
78 9.0 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#18

Methyl Acetate

Concen: 53.934 ug/l

RT: 2.702 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX046181.D

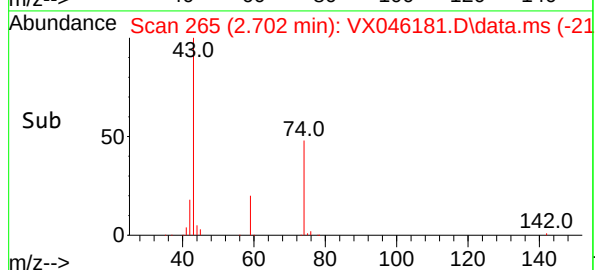
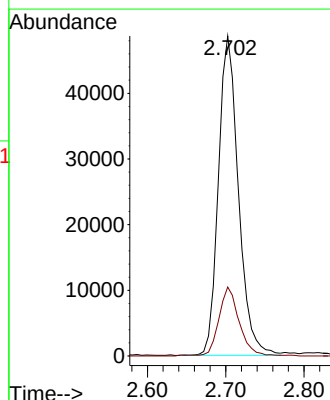
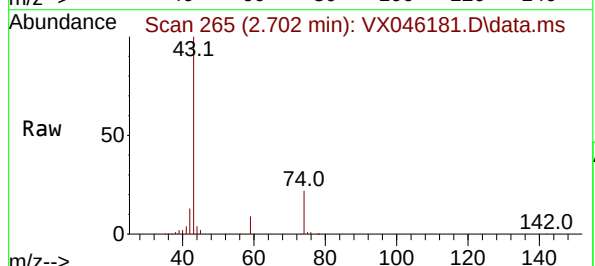
Acq: 14 May 2025 09:59

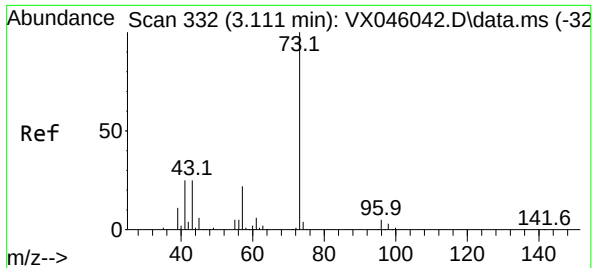
Tgt Ion: 43 Resp: 86558

Ion Ratio Lower Upper

43 100

74 22.1 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 51.246 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 197109

Ion Ratio Lower Upper

73 100

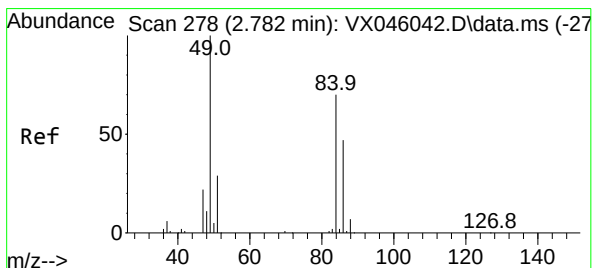
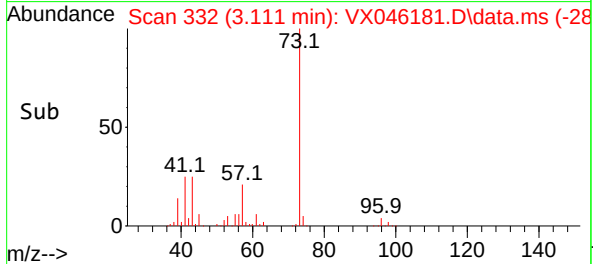
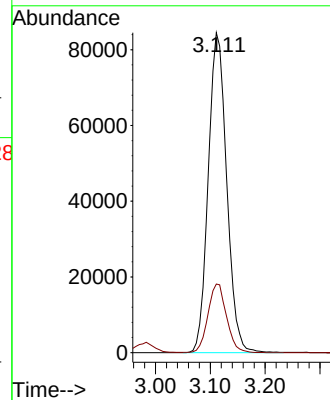
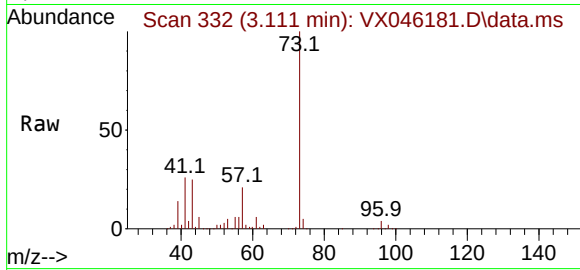
57 21.4 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#20

Methylene Chloride

Concen: 47.382 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Tgt Ion: 84 Resp: 62797

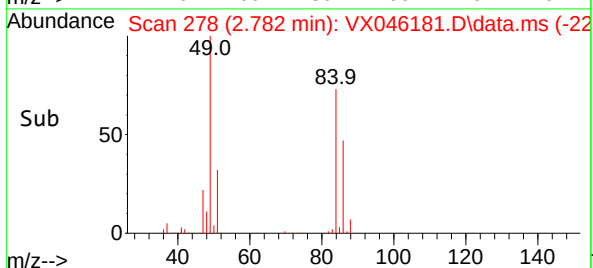
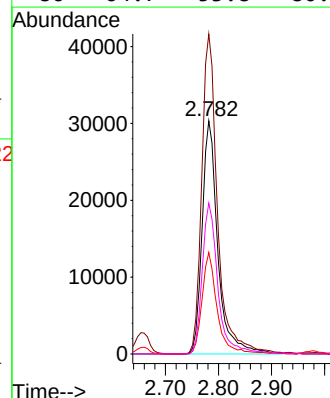
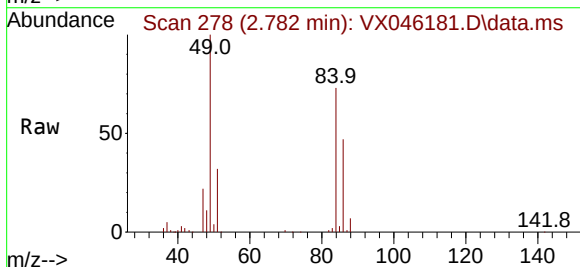
Ion Ratio Lower Upper

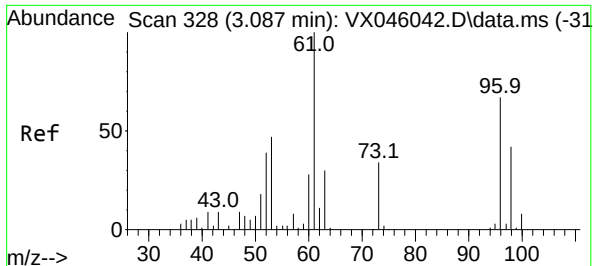
84 100

49 137.2 113.9 170.9

51 43.5 33.5 50.3

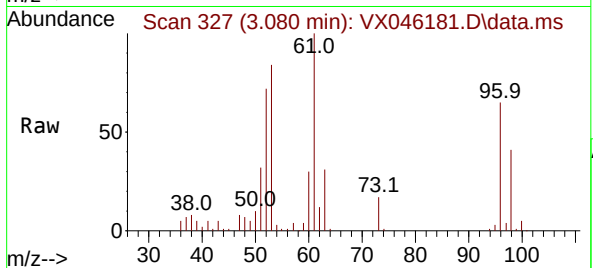
86 64.7 53.8 80.8





#21
trans-1,2-Dichloroethene
Concen: 48.808 ug/l
RT: 3.080 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

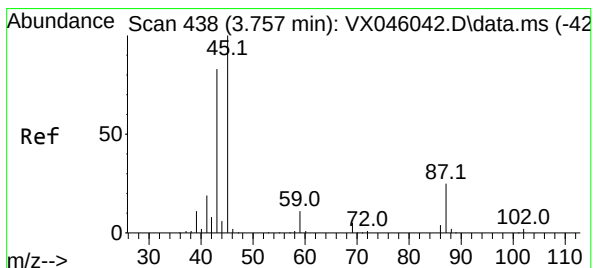
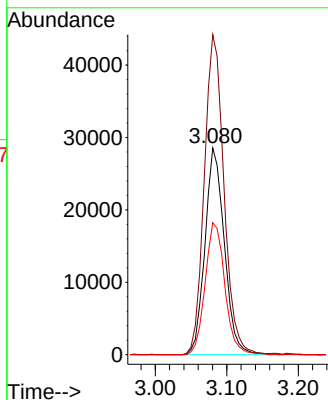
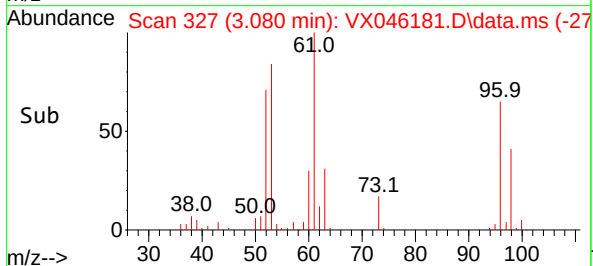
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 53849
Ion Ratio Lower Upper
96 100
61 154.8 119.5 179.3
98 63.9 50.0 75.0

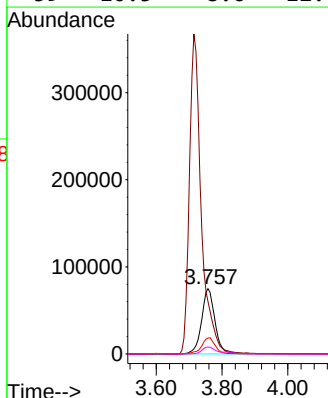
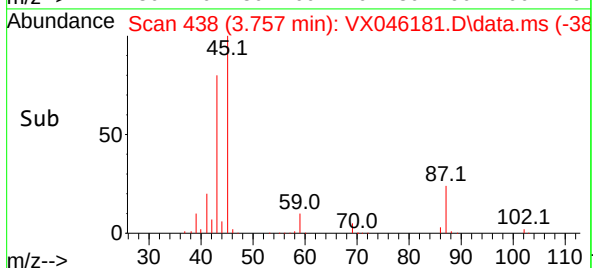
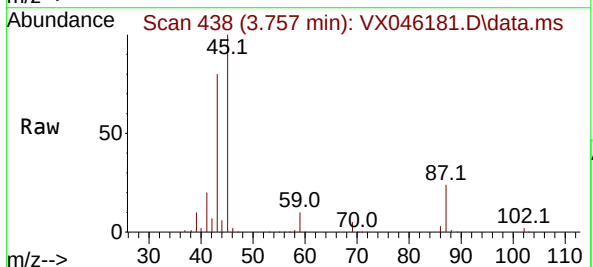
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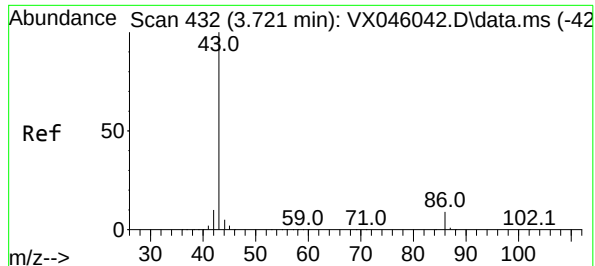
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#22
Diisopropyl ether
Concen: 52.318 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion: 45 Resp: 211893
Ion Ratio Lower Upper
45 100
43 80.2 66.6 100.0
87 24.3 19.8 29.6
59 10.5 8.6 12.8





#23

Vinyl Acetate

Concen: 258.187 ug/l

RT: 3.714 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 919719

Ion Ratio Lower Upper

43 100

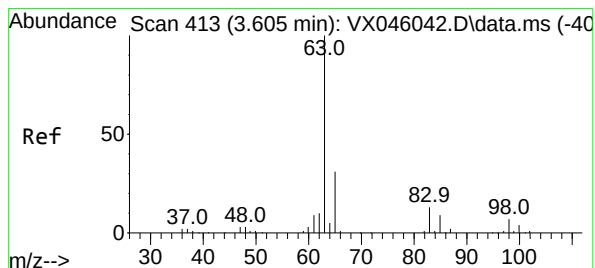
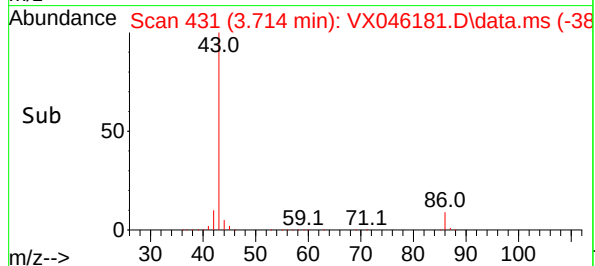
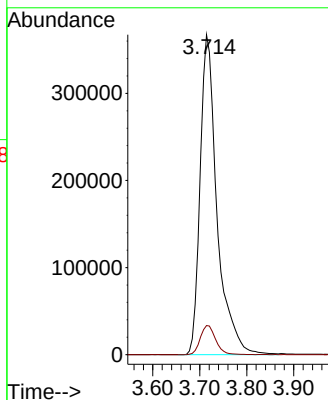
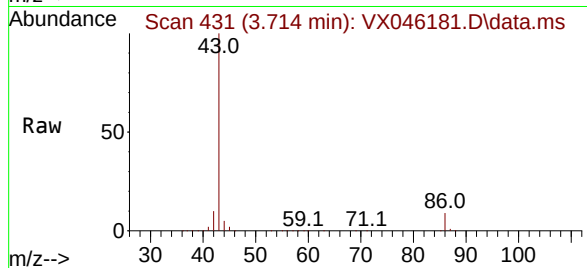
86 9.1 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#24

1,1-Dichloroethane

Concen: 50.957 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.006 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

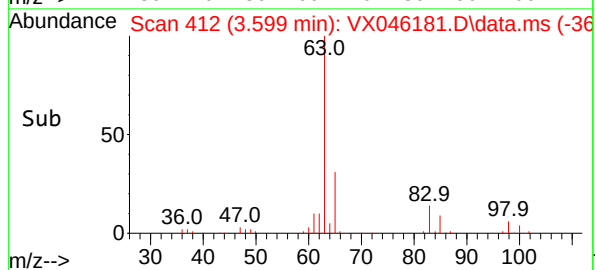
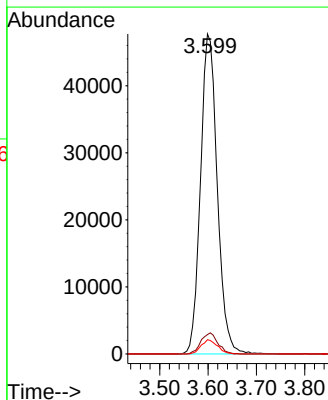
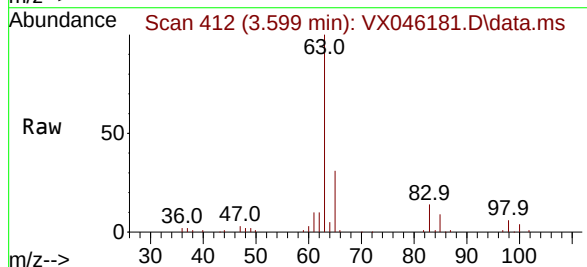
Tgt Ion: 63 Resp: 114951

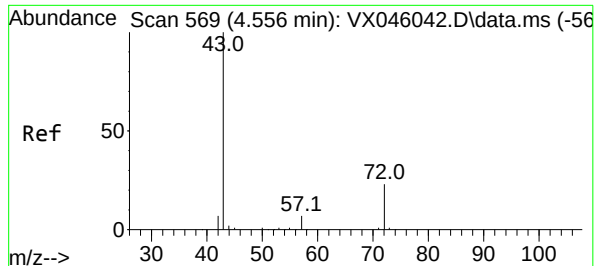
Ion Ratio Lower Upper

63 100

98 6.1 3.6 10.8

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 258.137 ug/l

RT: 4.556 min Scan# 50

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 25918

Ion Ratio Lower Upper

43 100

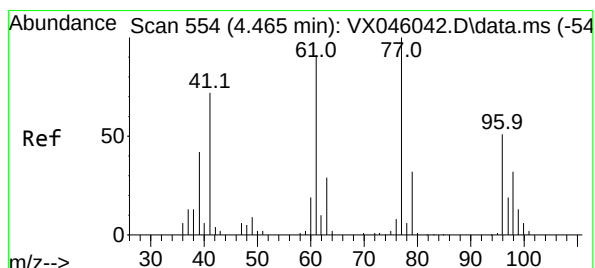
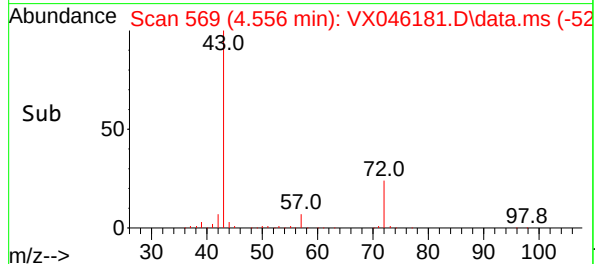
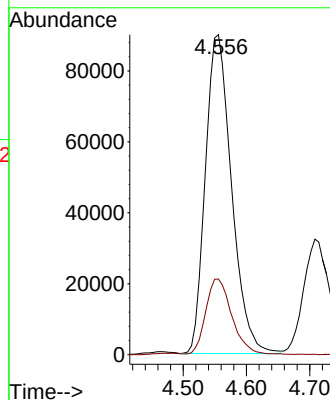
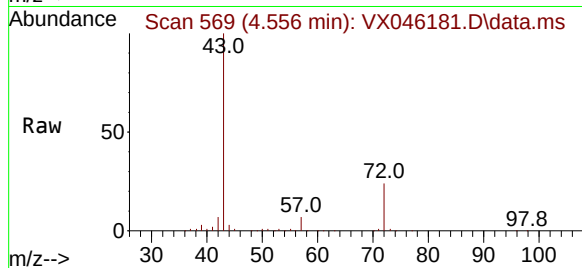
72 23.4 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#26

2,2-Dichloropropane

Concen: 50.305 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX046181.D

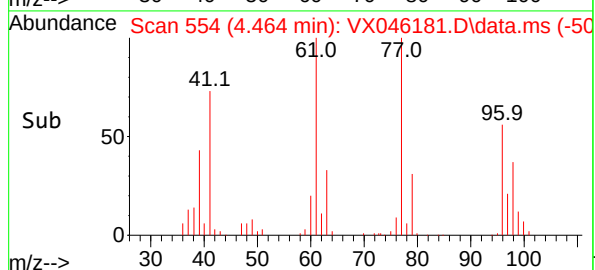
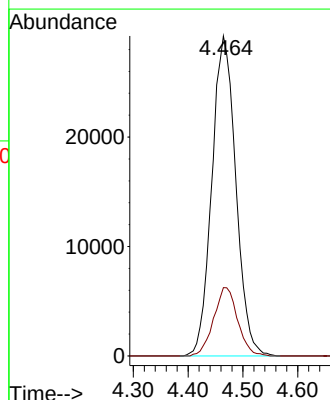
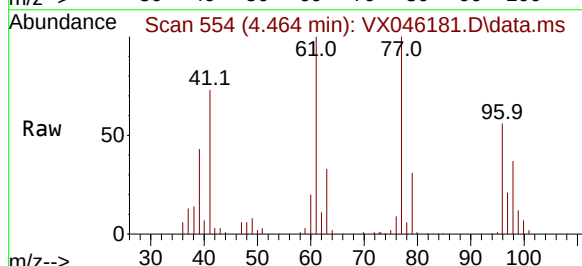
Acq: 14 May 2025 09:59

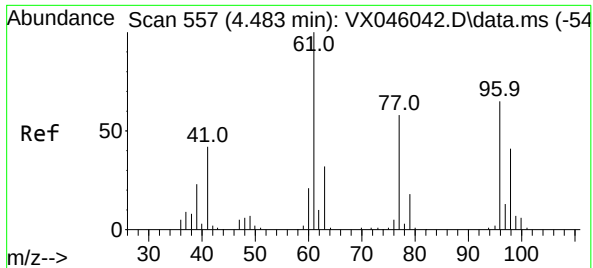
Tgt Ion: 77 Resp: 88821

Ion Ratio Lower Upper

77 100

97 21.4 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 50.247 ug/l

RT: 4.476 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 6673

Ion Ratio Lower Upper

96 100

61 163.1 0.0 322.8

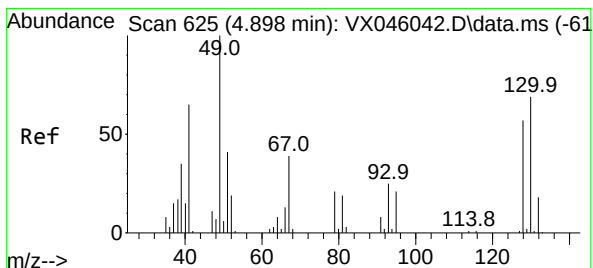
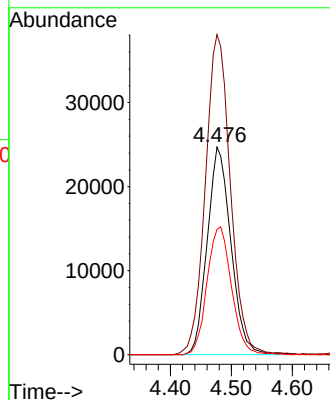
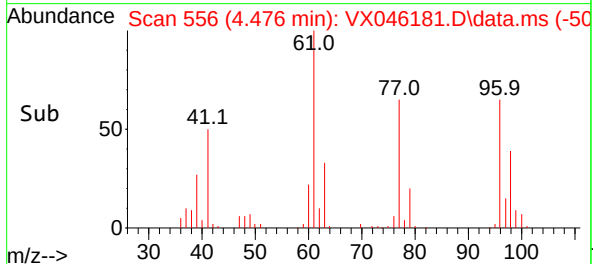
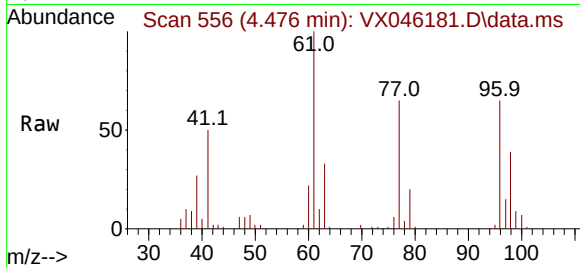
98 63.5 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#28

Bromochloromethane

Concen: 49.140 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

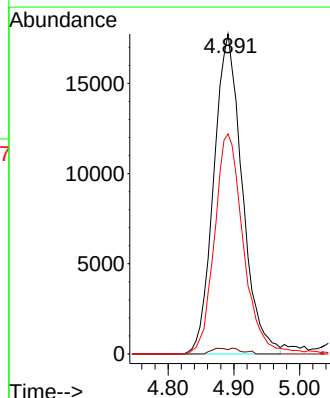
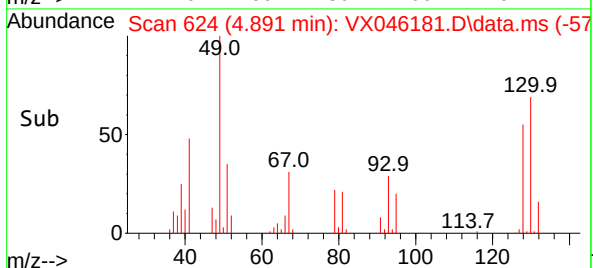
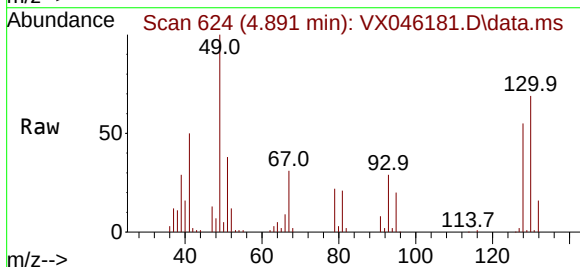
Tgt Ion: 49 Resp: 53358

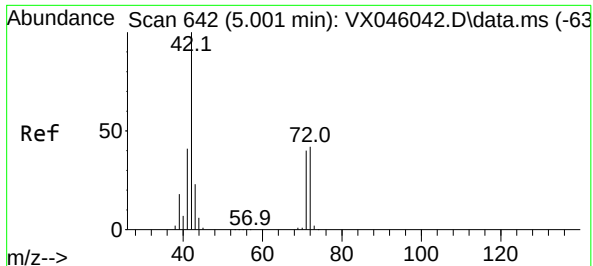
Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.0

130 69.6 56.2 84.2





#29

Tetrahydrofuran

Concen: 254.336 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 16002

Ion Ratio Lower Upper

42 100

72 41.7 33.7 50.5

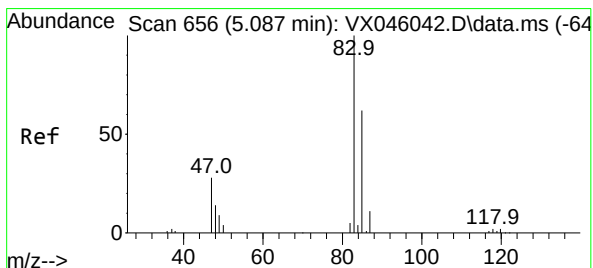
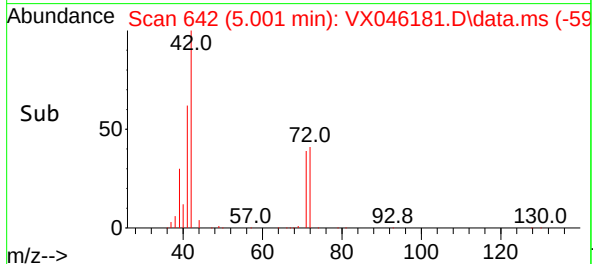
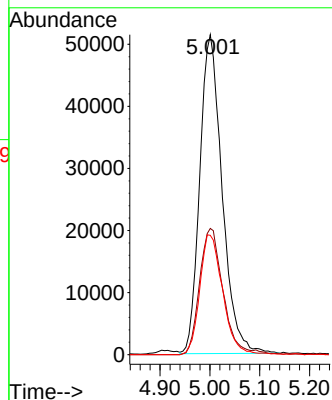
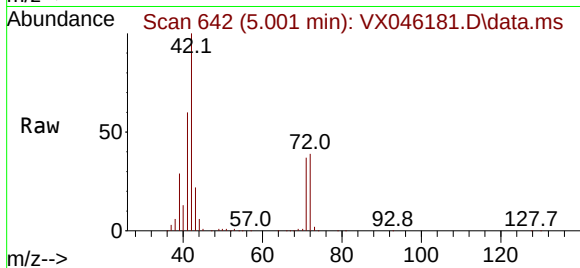
71 38.6 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#30

Chloroform

Concen: 51.225 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX046181.D

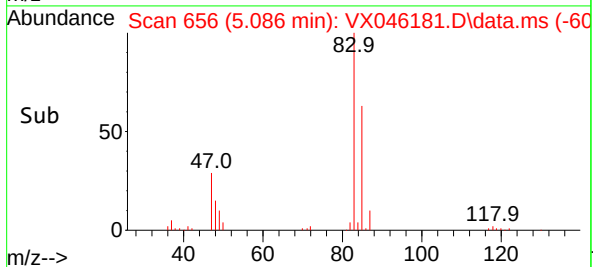
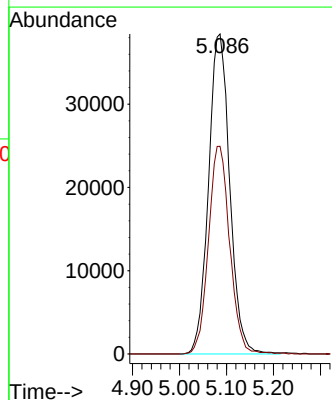
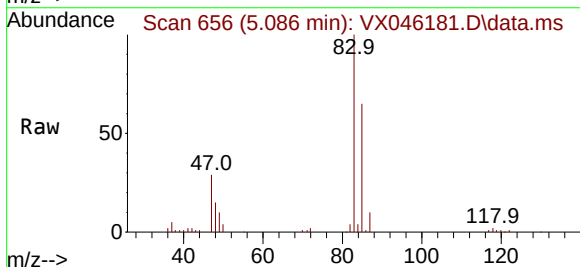
Acq: 14 May 2025 09:59

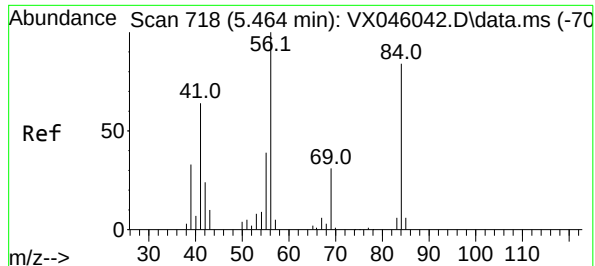
Tgt Ion: 83 Resp: 120443

Ion Ratio Lower Upper

83 100

85 64.9 49.3 73.9





#31

Cyclohexane

Concen: 48.746 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 100204

Ion Ratio Lower Upper

56 100

69 30.7 24.4 36.6

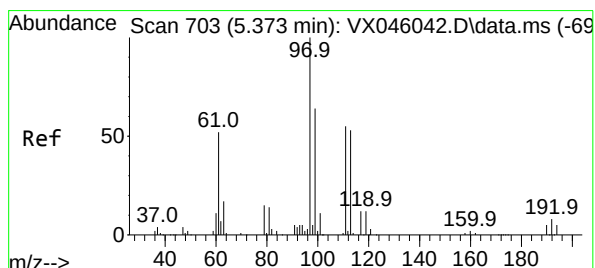
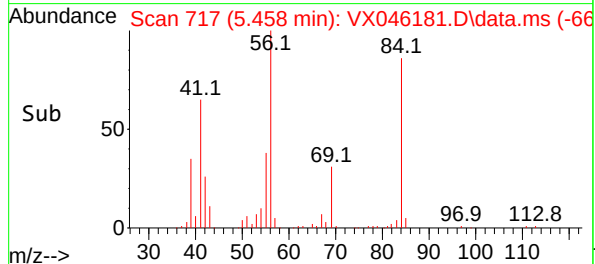
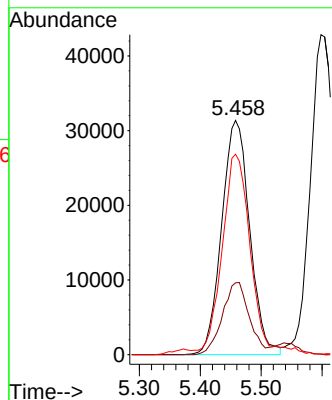
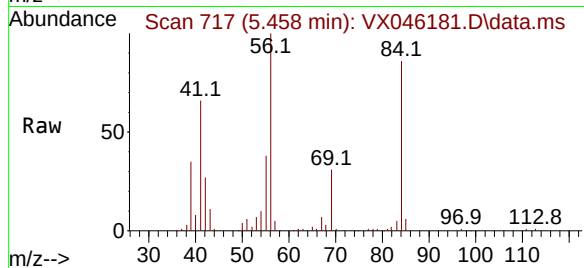
84 83.6 66.9 100.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#32

1,1,1-Trichloroethane

Concen: 50.918 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

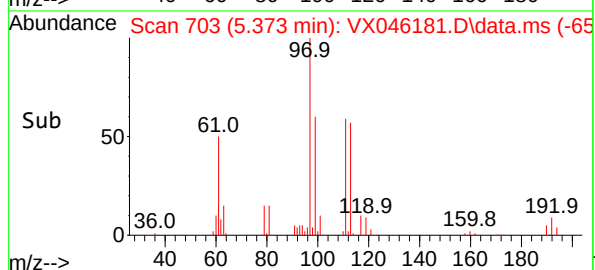
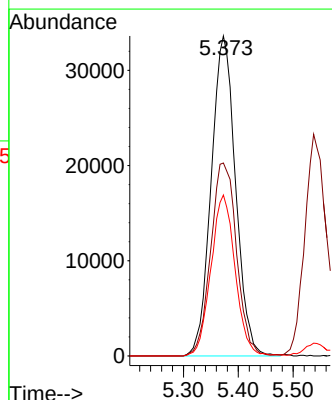
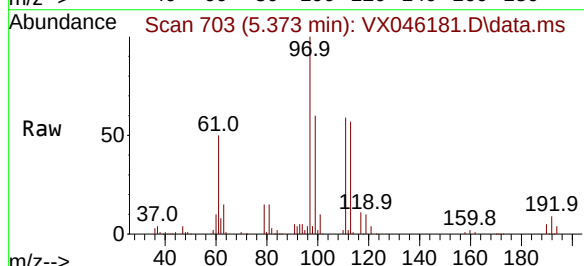
Tgt Ion: 97 Resp: 103781

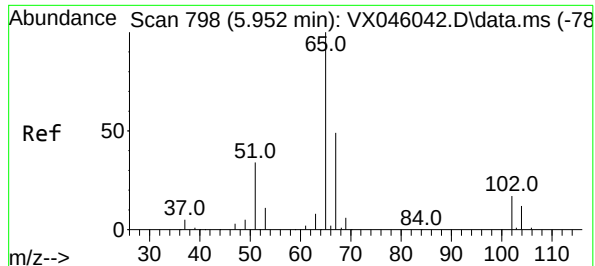
Ion Ratio Lower Upper

97 100

99 64.0 51.8 77.6

61 50.0 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 49.026 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 8456

Ion Ratio Lower Upper

65 100

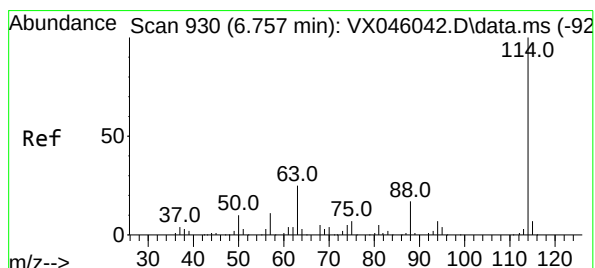
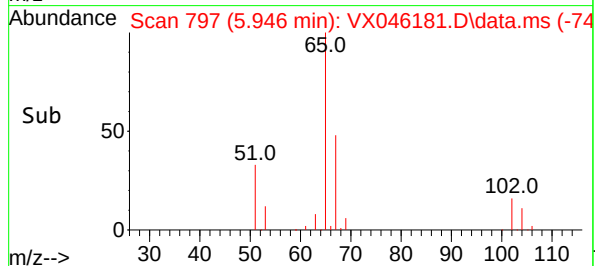
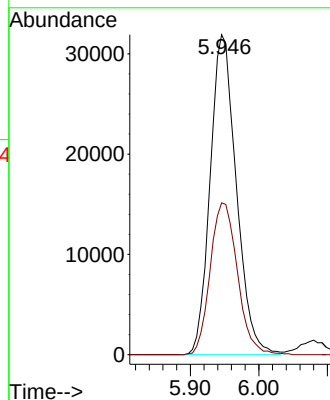
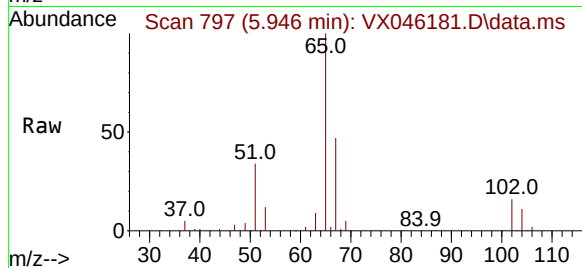
67 49.4 0.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

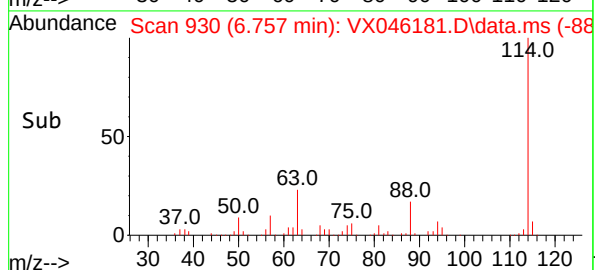
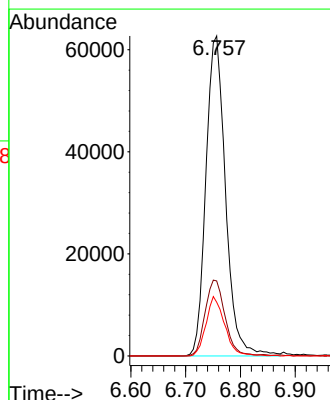
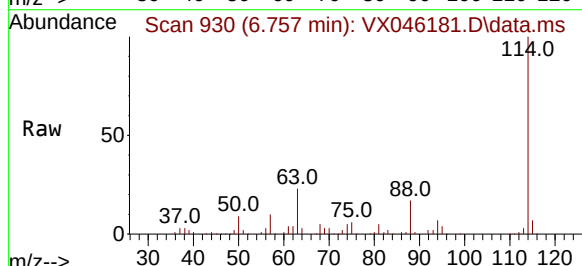
Tgt Ion:114 Resp: 155707

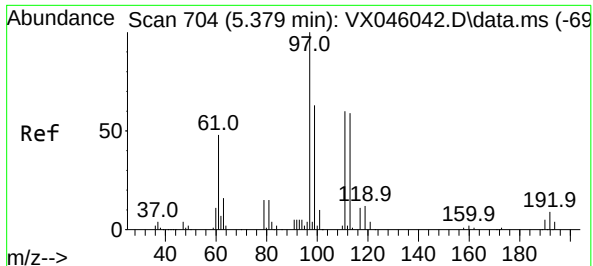
Ion Ratio Lower Upper

114 100

63 23.4 0.0 49.2

88 16.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 52.783 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046181.D

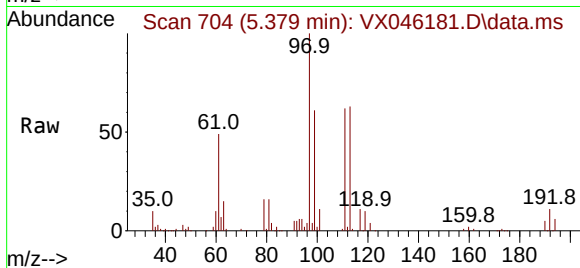
Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050



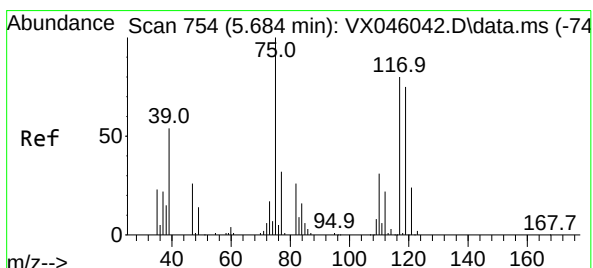
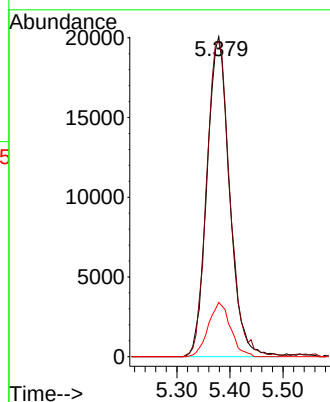
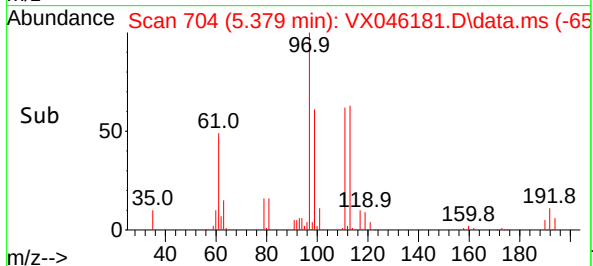
Tgt Ion:	113	Resp:	5918
Ion Ratio	Lower	Upper	
113	100		
111	101.4	83.1	124.7
192	16.7	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#36

1,1-Dichloropropene

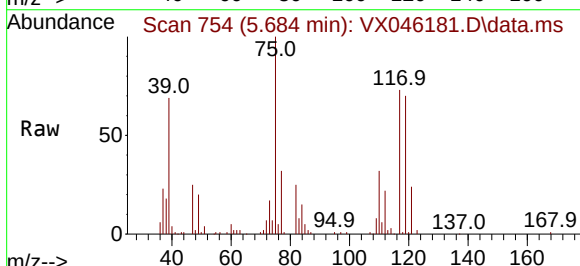
Concen: 50.230 ug/l

RT: 5.684 min Scan# 754

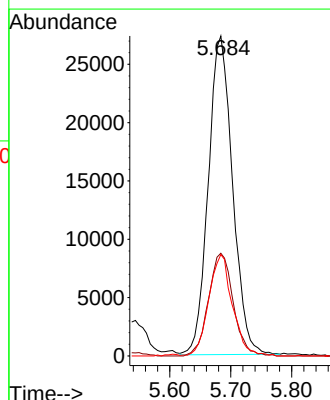
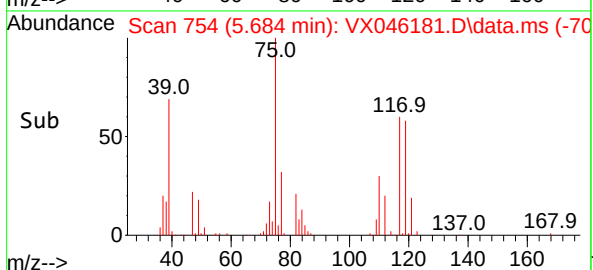
Delta R.T. -0.000 min

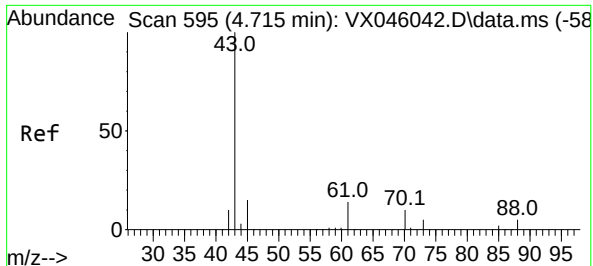
Lab File: VX046181.D

Acq: 14 May 2025 09:59



Tgt Ion:	75	Resp:	75672
Ion Ratio	Lower	Upper	
75	100		
110	32.9	16.3	48.9
77	31.1	24.3	36.5





#37

Ethyl Acetate

Concen: 51.307 ug/l

RT: 4.708 min Scan# 594

Delta R.T. -0.006 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 95498

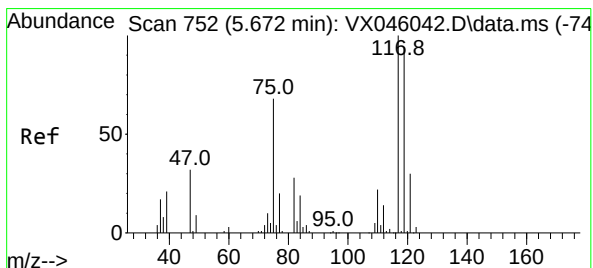
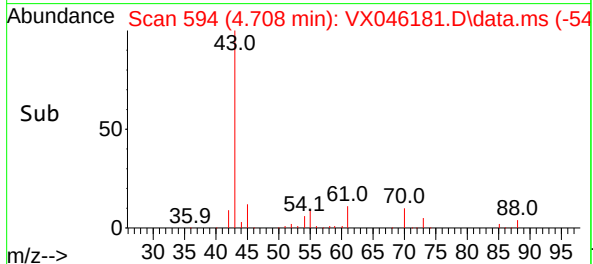
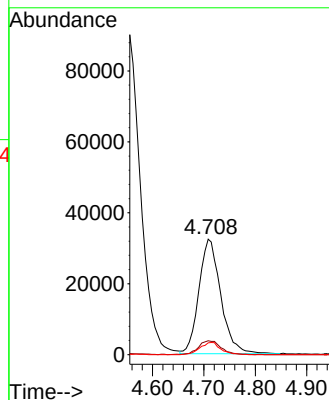
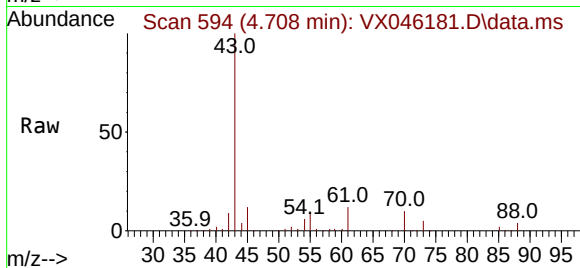
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.3	15.5
70	10.1	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#38

Carbon Tetrachloride

Concen: 52.266 ug/l

RT: 5.671 min Scan# 752

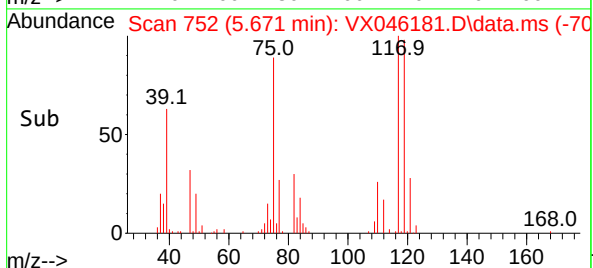
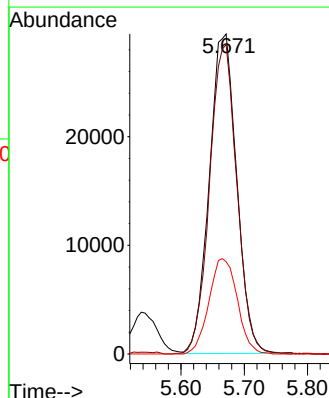
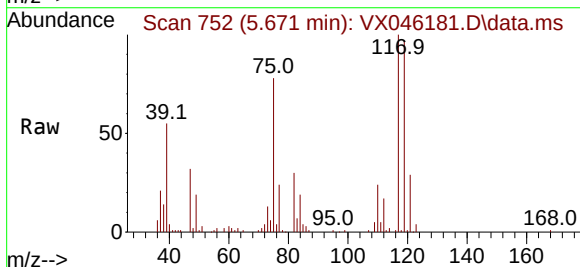
Delta R.T. -0.000 min

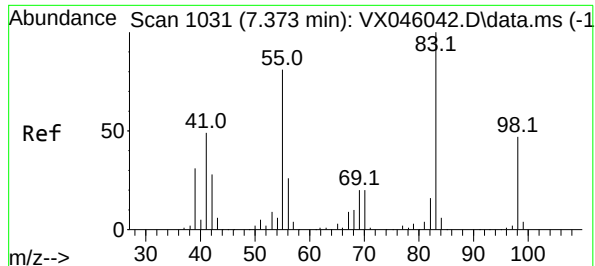
Lab File: VX046181.D

Acq: 14 May 2025 09:59

Tgt Ion:117 Resp: 88471

Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.2	112.8
121	28.9	24.2	36.4





#39

Methylcyclohexane

Concen: 50.942 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 9880

Ion Ratio Lower Upper

83 100

55 85.6 64.7 97.1

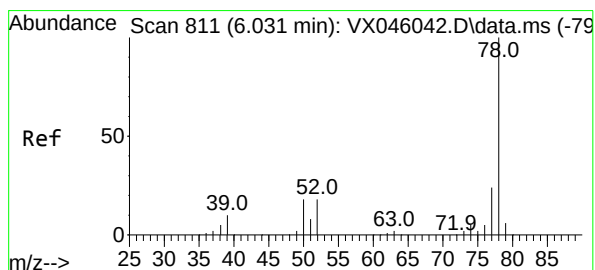
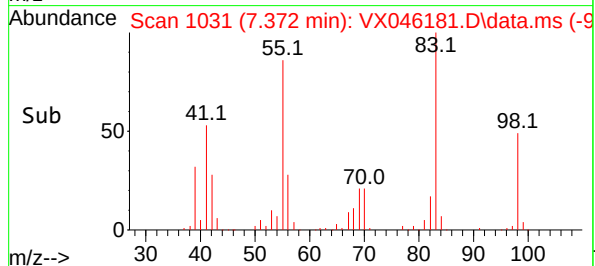
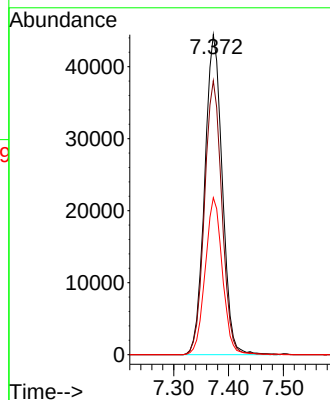
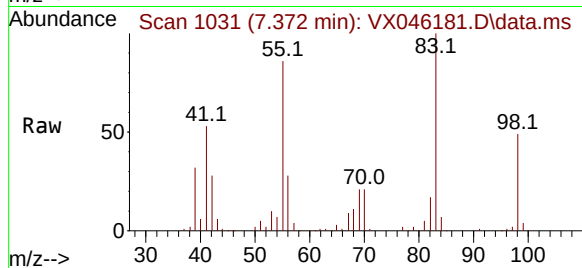
98 49.1 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#40

Benzene

Concen: 51.944 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX046181.D

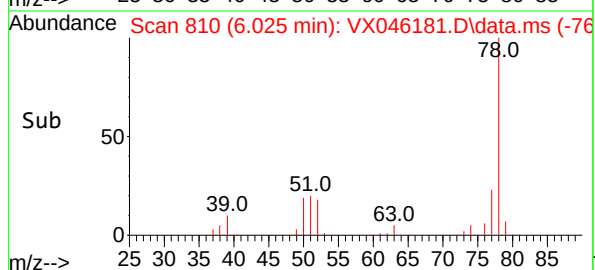
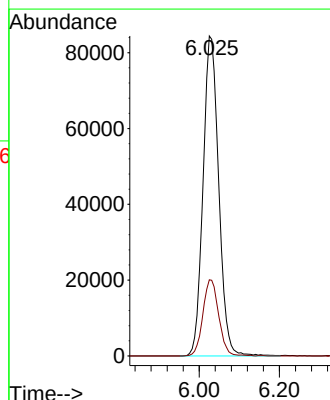
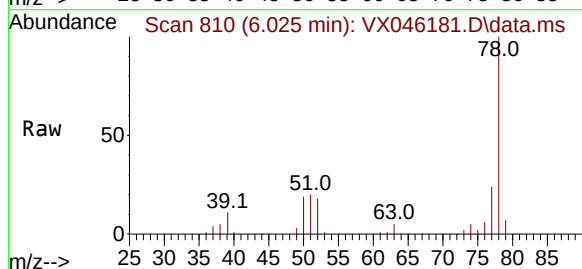
Acq: 14 May 2025 09:59

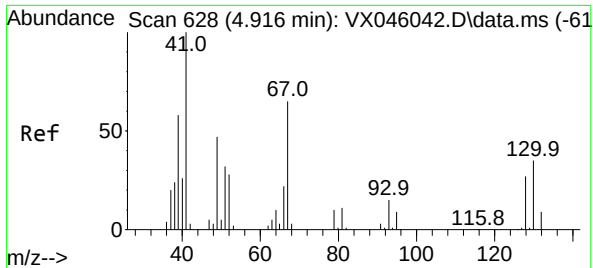
Tgt Ion: 78 Resp: 229214

Ion Ratio Lower Upper

78 100

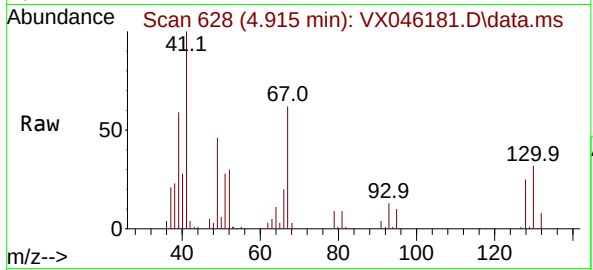
77 23.8 19.0 28.4





#41
Methacrylonitrile
Concen: 57.383 ug/l
RT: 4.915 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

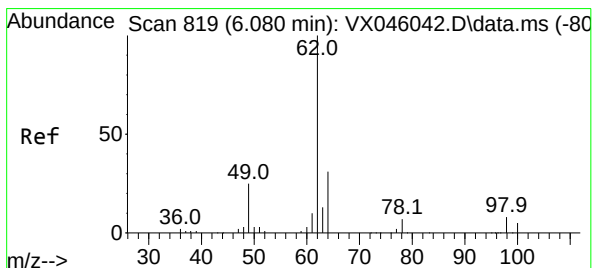
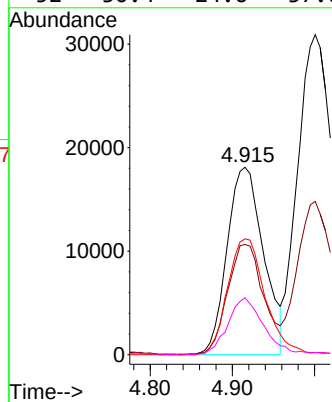
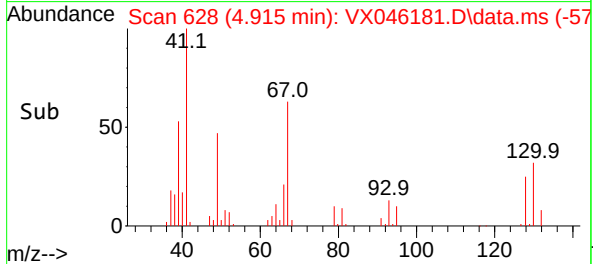
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 55872
Ion Ratio Lower Upper
41 100
39 58.5 47.2 70.8
67 64.2 50.7 76.1
52 30.4 24.6 37.0

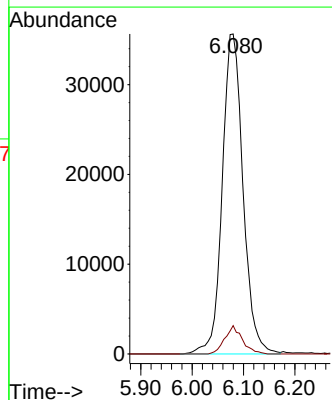
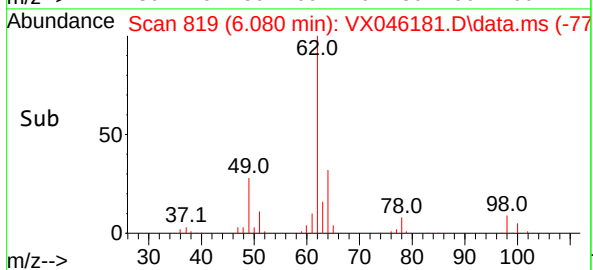
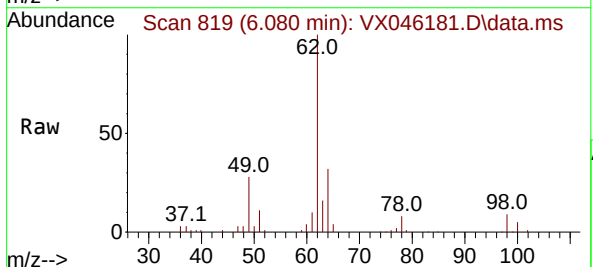
Manual Integrations
APPROVED

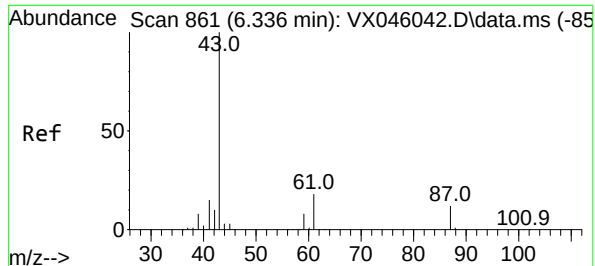
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#42
1,2-Dichloroethane
Concen: 52.592 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion: 62 Resp: 100162
Ion Ratio Lower Upper
62 100
98 7.4 0.0 15.2





#43

Isopropyl Acetate

Concen: 53.783 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 15271

Ion Ratio Lower Upper

43

100

61

87

17.9

11.5

14.3

9.5

21.5

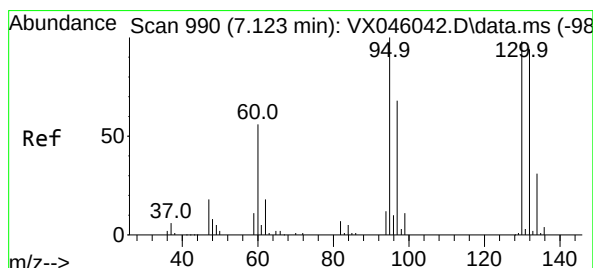
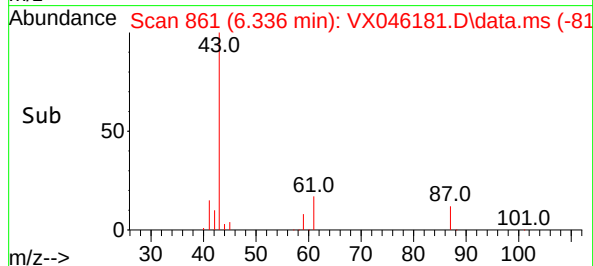
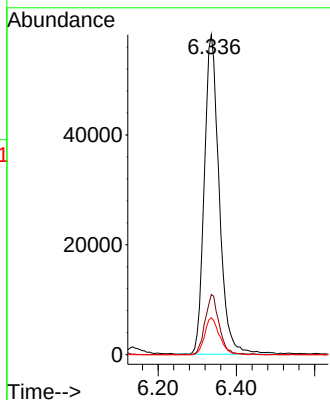
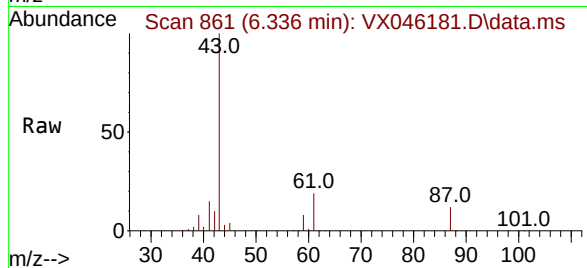
14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#44

Trichloroethene

Concen: 51.848 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Tgt Ion:130 Resp: 55066

Ion Ratio Lower Upper

130

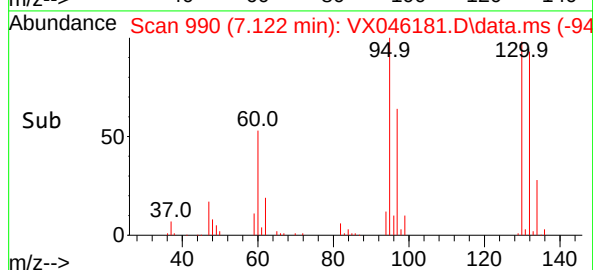
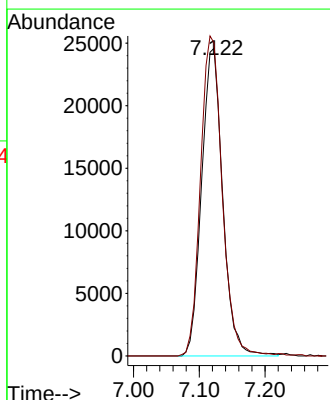
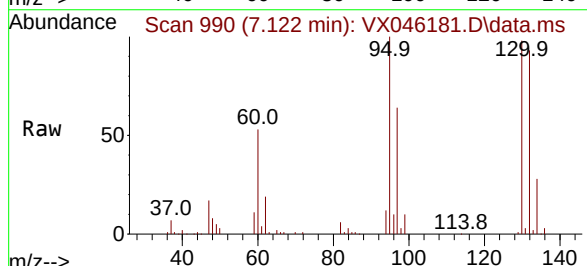
100

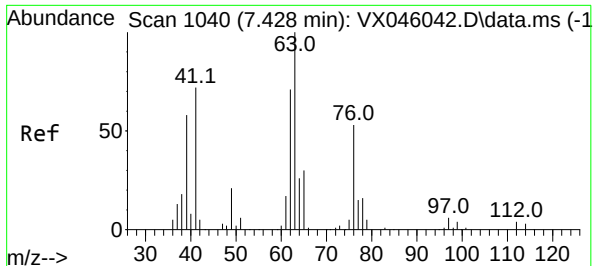
95

101.7

0.0

204.2





#45

1,2-Dichloropropane

Concen: 54.022 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 59270

Ion Ratio Lower Upper

63 100

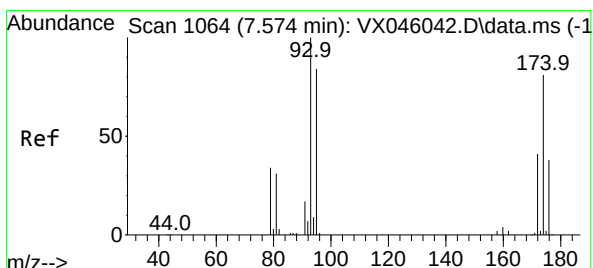
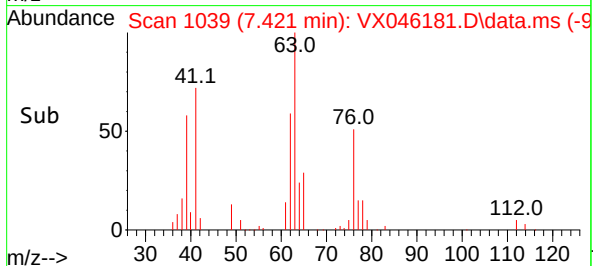
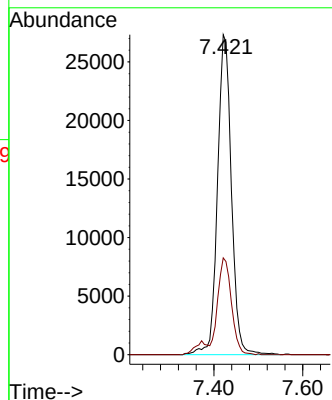
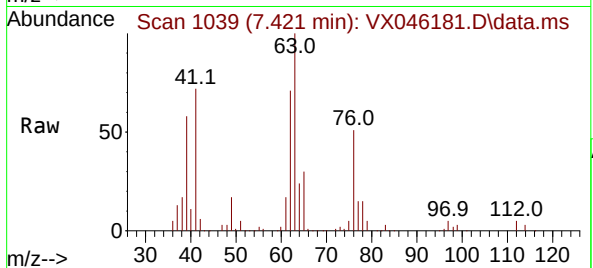
65 30.2 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#46

Dibromomethane

Concen: 52.464 ug/l

RT: 7.573 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

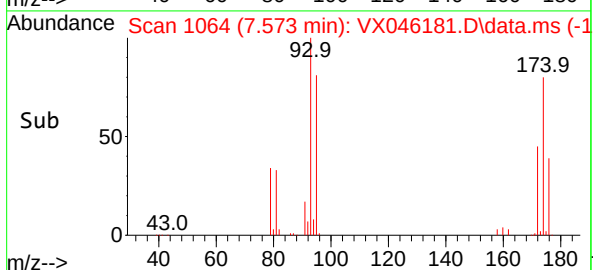
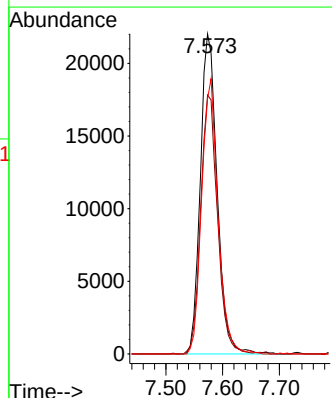
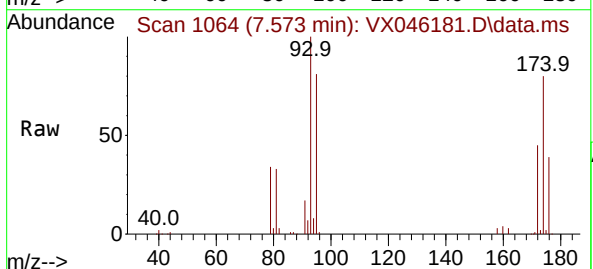
Tgt Ion: 93 Resp: 45403

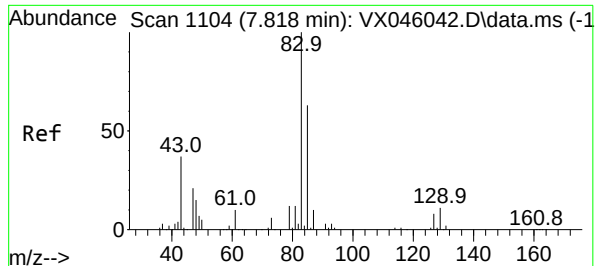
Ion Ratio Lower Upper

93 100

95 81.0 65.6 98.4

174 83.6 68.2 102.2





#47

Bromodichloromethane

Concen: 54.051 ug/l

RT: 7.817 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 92130

Ion Ratio Lower Upper

83 100

85 64.3 50.5 75.7

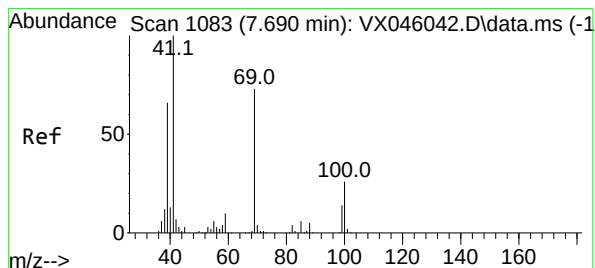
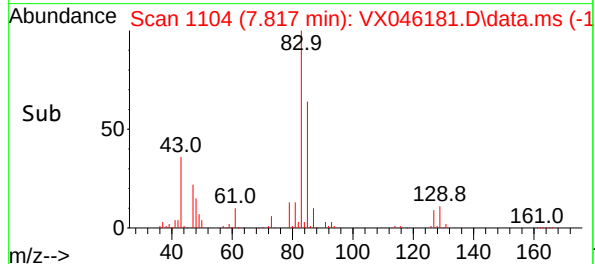
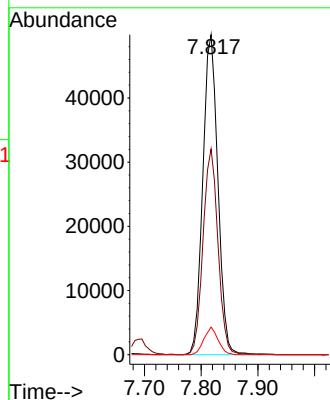
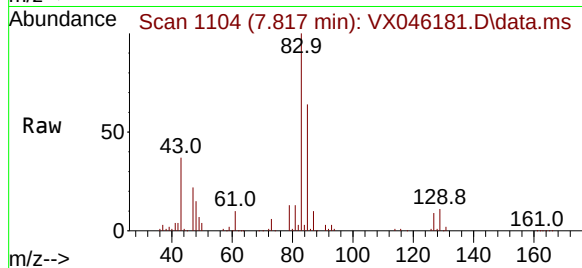
127 8.6 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#48

Methyl methacrylate

Concen: 54.678 ug/l

RT: 7.689 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

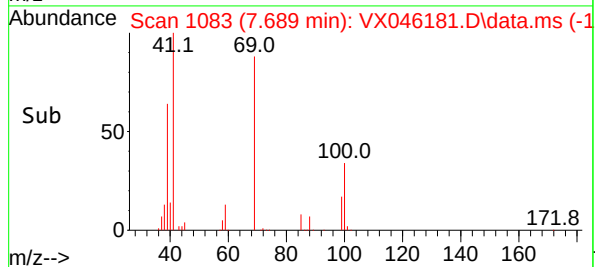
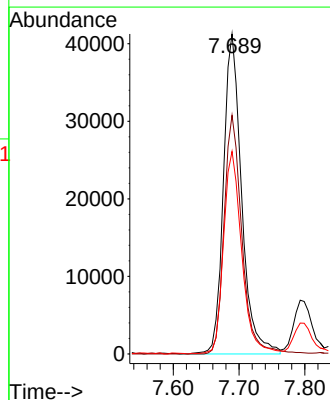
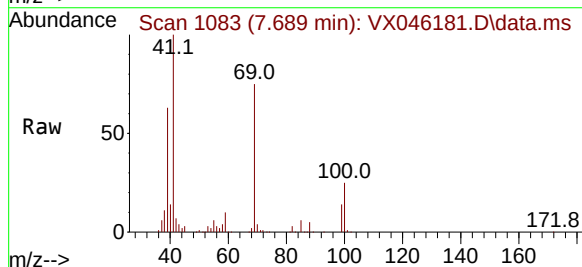
Tgt Ion: 41 Resp: 79292

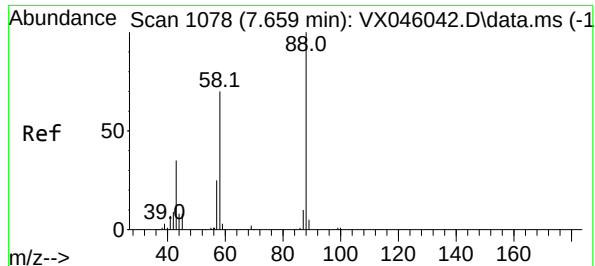
Ion Ratio Lower Upper

41 100

69 73.2 58.5 87.7

39 63.7 51.7 77.5





#49

1,4-Dioxane

Concen: 1075.475 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 2961

Ion Ratio Lower Upper

88 100

43 41.8 33.4 50.2

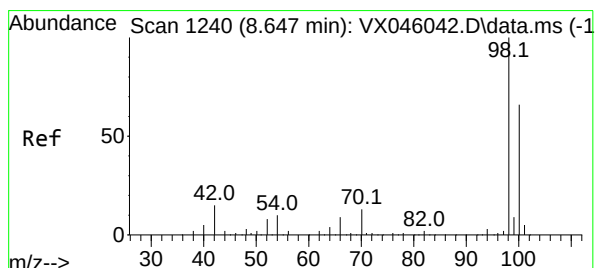
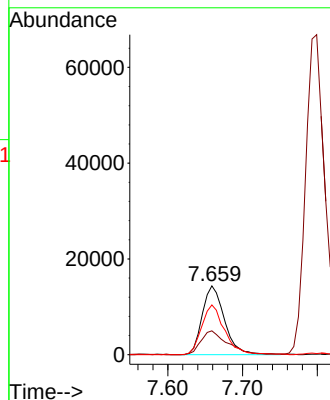
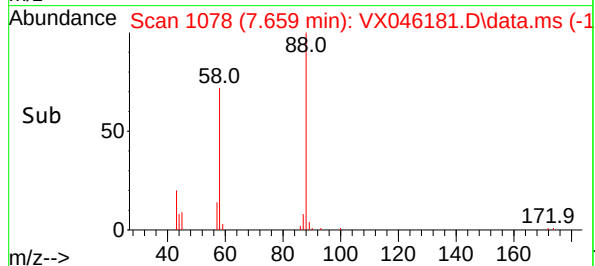
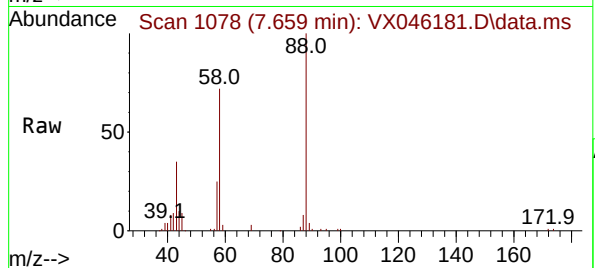
58 74.7 58.6 88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#50

Toluene-d8

Concen: 51.889 ug/l

RT: 8.640 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX046181.D

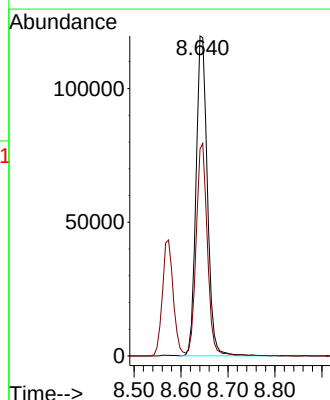
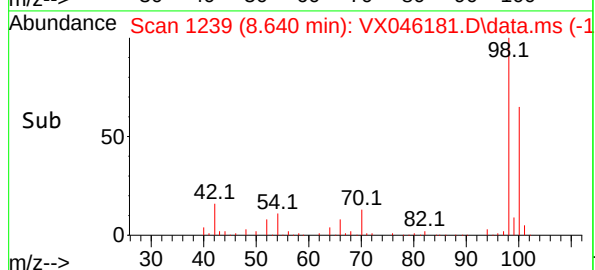
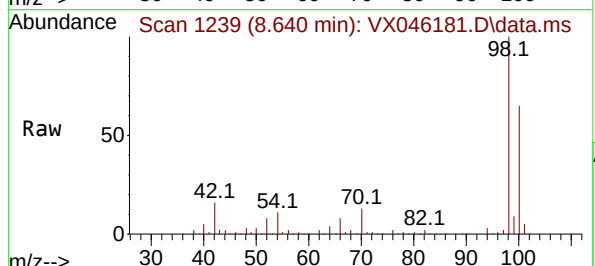
Acq: 14 May 2025 09:59

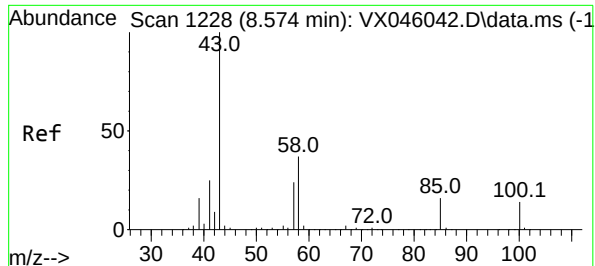
Tgt Ion: 98 Resp: 201370

Ion Ratio Lower Upper

98 100

100 64.7 53.5 80.3





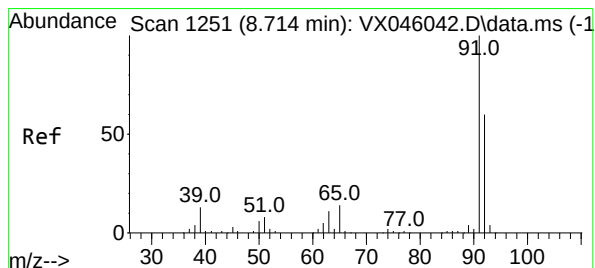
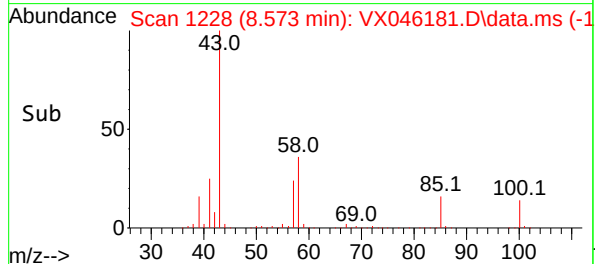
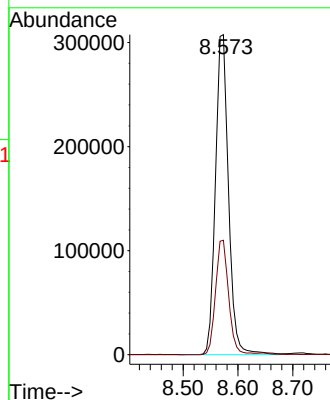
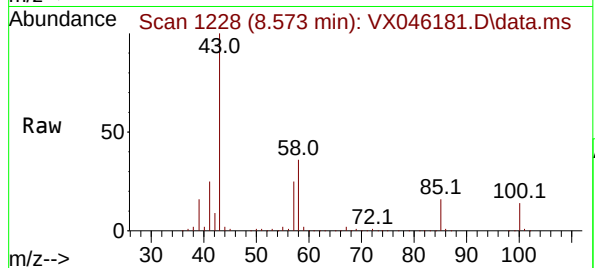
#51
4-Methyl-2-Pentanone
Concen: 269.373 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 507725
Ion Ratio Lower Upper
43 100
58 35.8 28.9 43.3

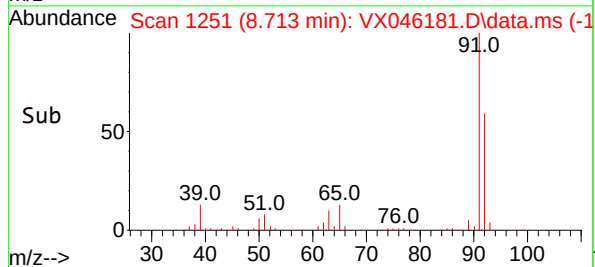
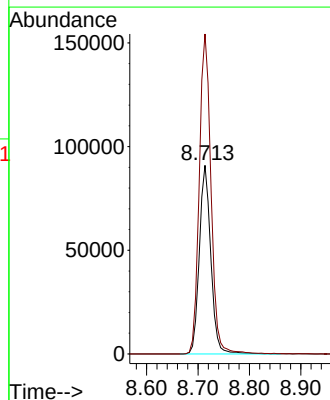
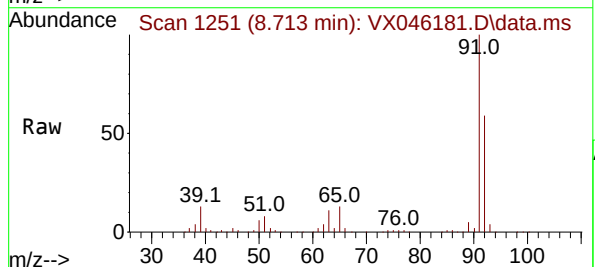
Manual Integrations
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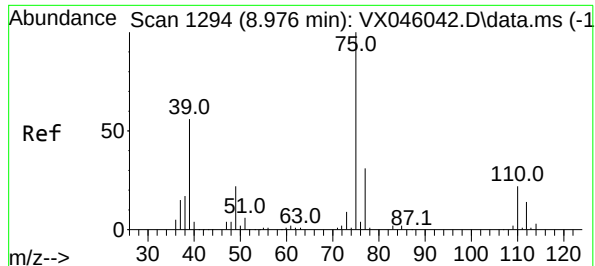
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#52
Toluene
Concen: 52.203 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion: 92 Resp: 141251
Ion Ratio Lower Upper
92 100
91 173.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 54.688 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 82854

Ion Ratio Lower Upper

75 100

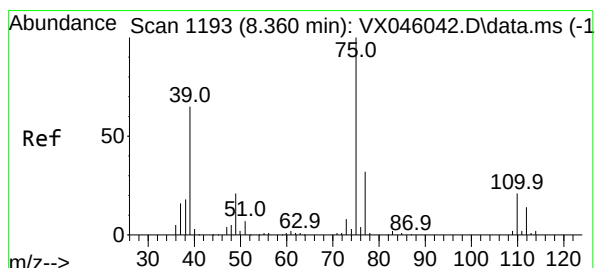
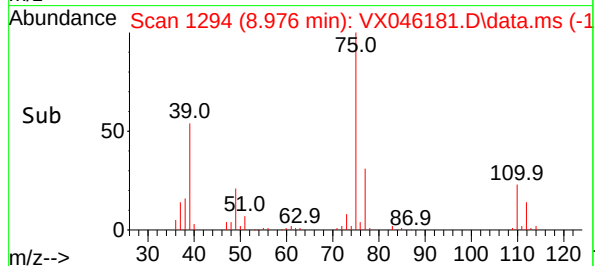
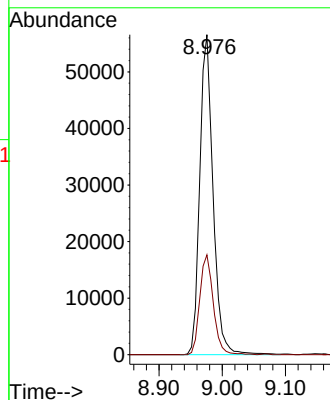
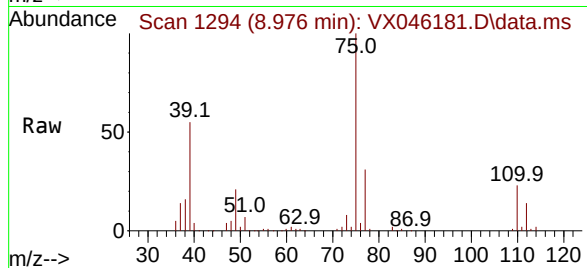
77 31.2 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#54

cis-1,3-Dichloropropene

Concen: 54.307 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

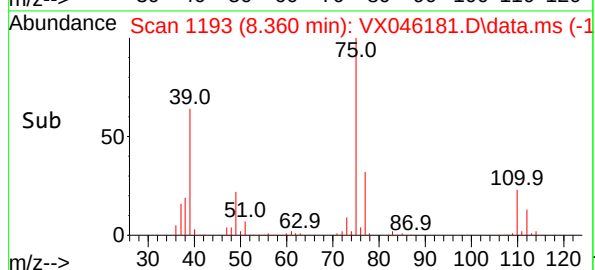
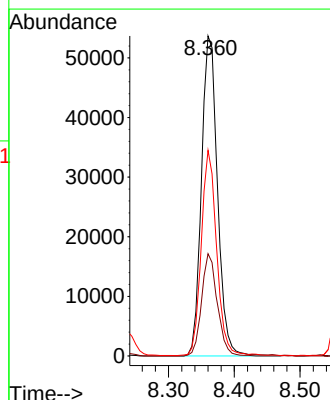
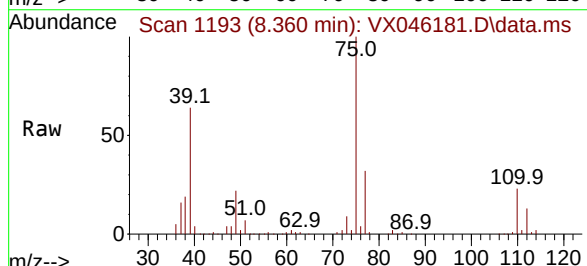
Tgt Ion: 75 Resp: 90937

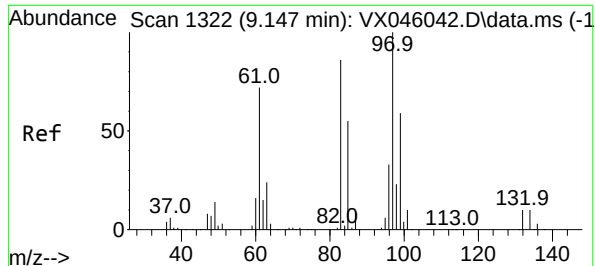
Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

39 64.1 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 53.633 ug/l

RT: 9.146 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 5722

Ion Ratio Lower Upper

97 100

83 90.3 69.0 103.6

85 56.0 44.3 66.5

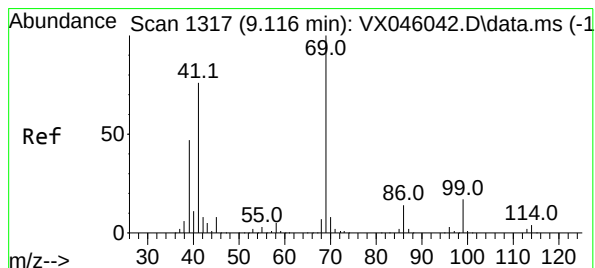
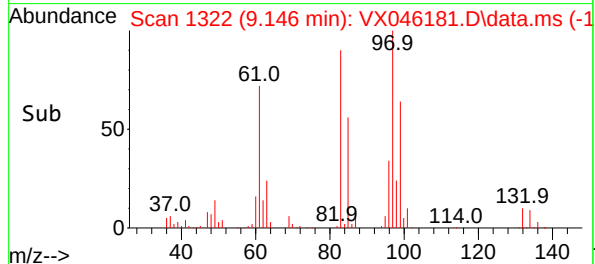
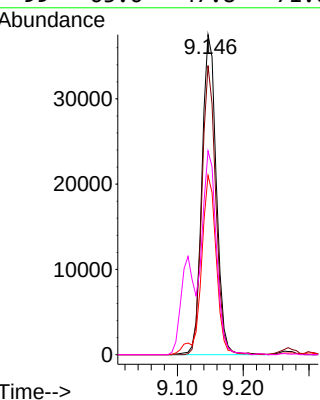
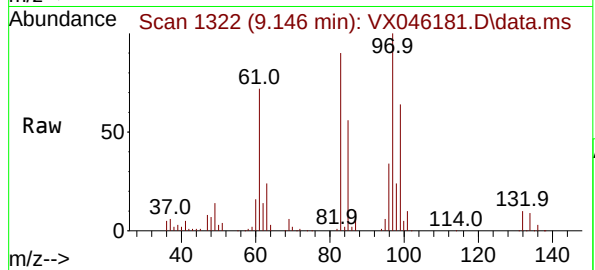
99 63.6 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#56

Ethyl methacrylate

Concen: 55.981 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

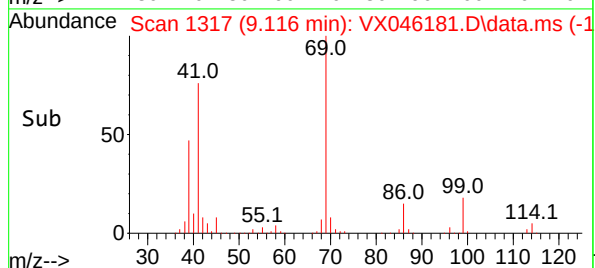
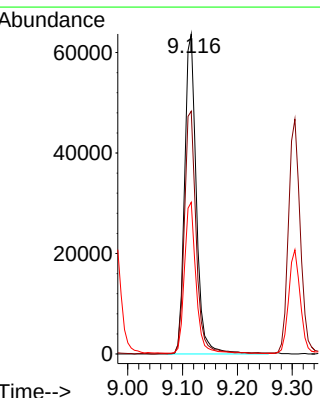
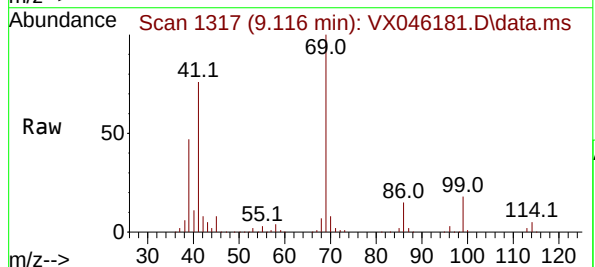
Tgt Ion: 69 Resp: 95191

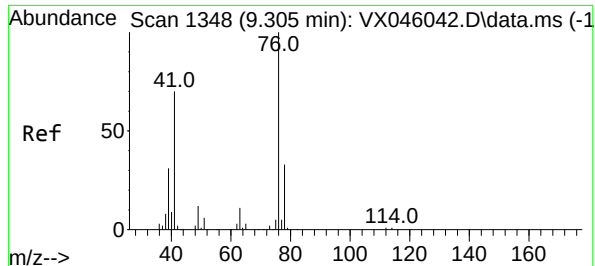
Ion Ratio Lower Upper

69 100

41 76.1 60.8 91.2

39 47.5 39.0 58.6





#57

1,3-Dichloropropane

Concen: 52.398 ug/l

RT: 9.305 min Scan# 11348

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 100399

Ion Ratio Lower Upper

76 100

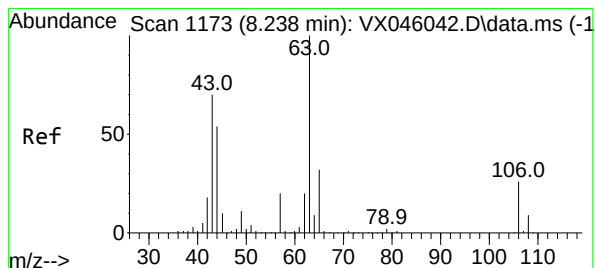
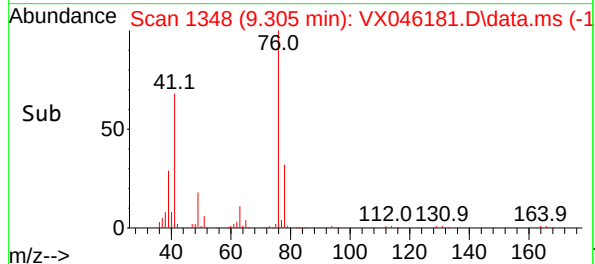
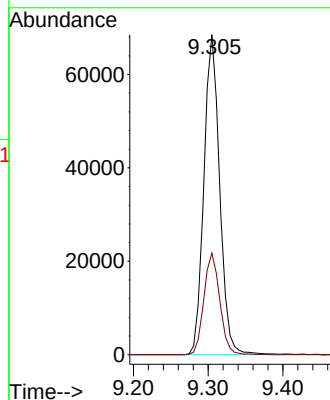
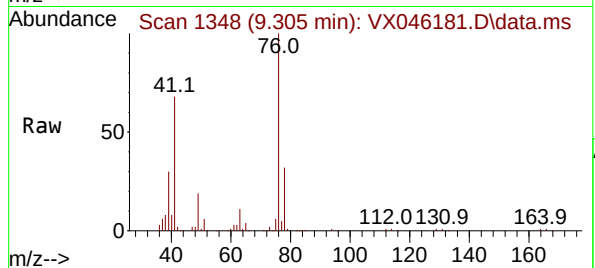
78 31.9 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#58

2-Chloroethyl Vinyl ether

Concen: 288.517 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX046181.D

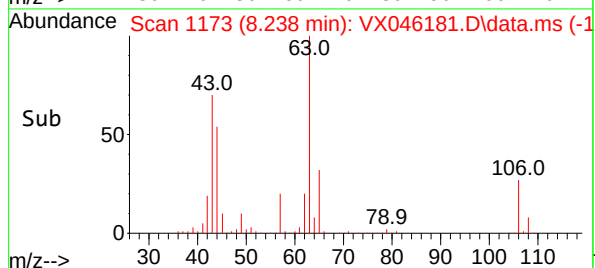
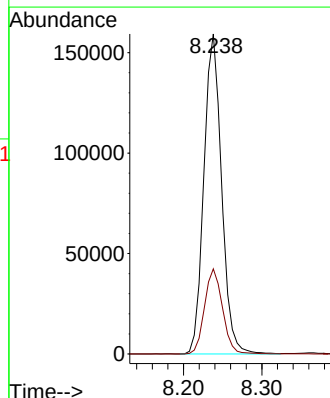
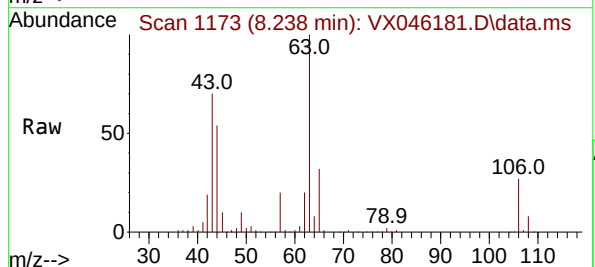
Acq: 14 May 2025 09:59

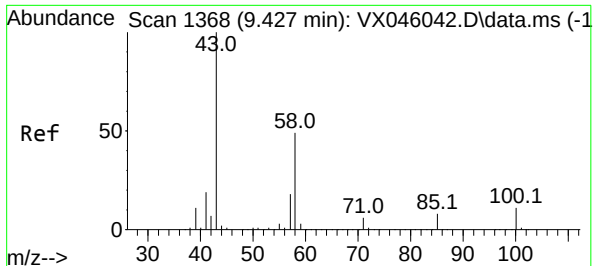
Tgt Ion: 63 Resp: 250117

Ion Ratio Lower Upper

63 100

106 26.9 21.5 32.3





#59

2-Hexanone

Concen: 267.919 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 37360

Ion Ratio Lower Upper

43 100

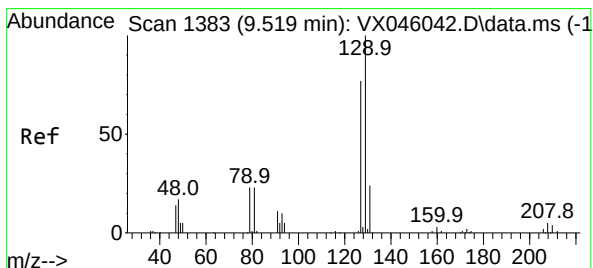
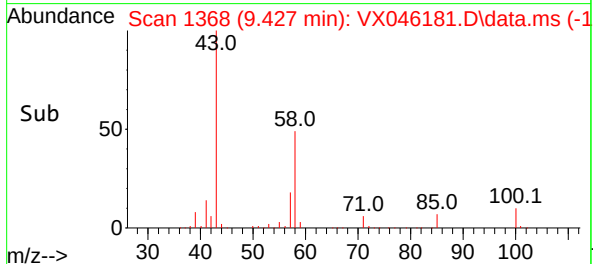
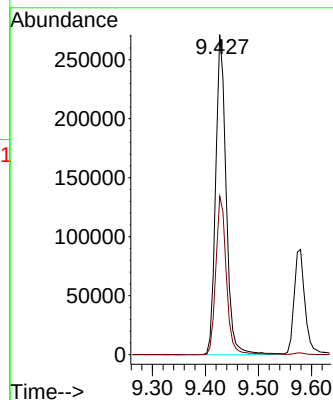
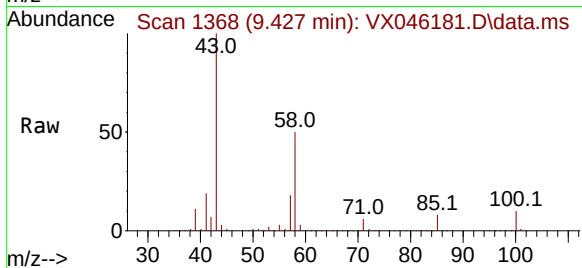
58 49.7 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#60

Dibromochloromethane

Concen: 55.684 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX046181.D

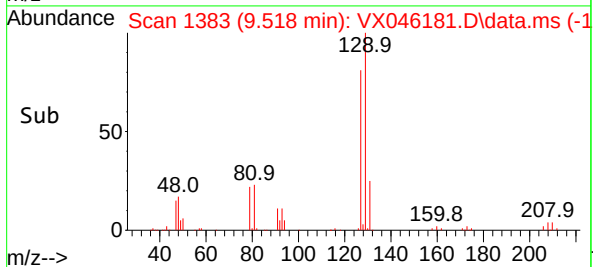
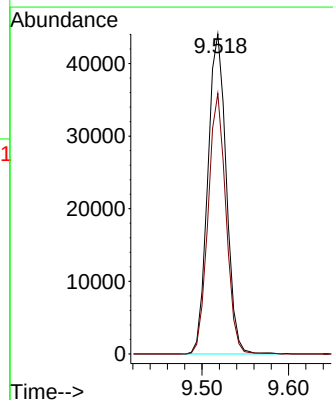
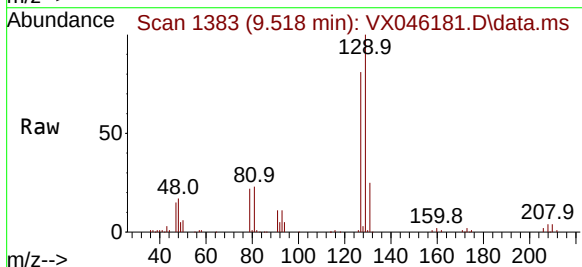
Acq: 14 May 2025 09:59

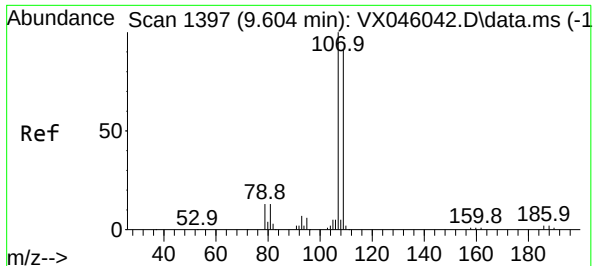
Tgt Ion:129 Resp: 65246

Ion Ratio Lower Upper

129 100

127 78.5 39.3 117.8





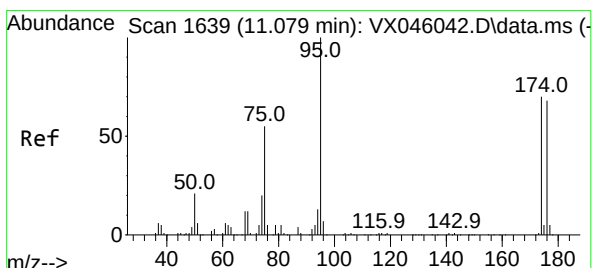
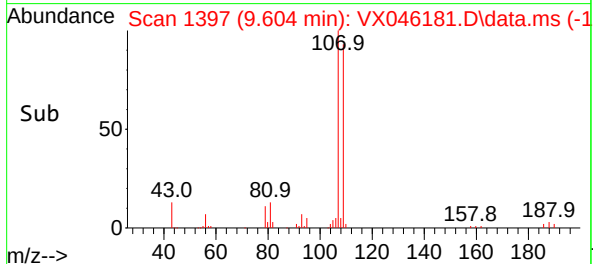
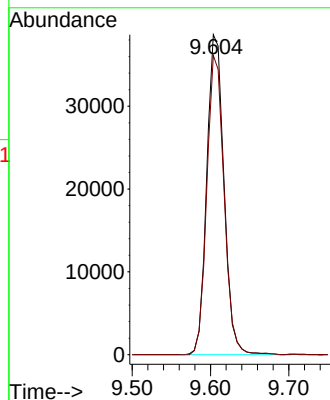
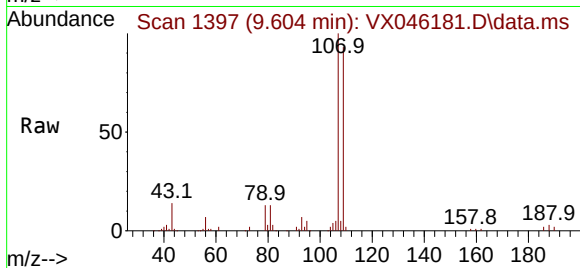
#61
1,2-Dibromoethane
Concen: 52.965 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 107 Resp: 5873
Ion Ratio Lower Upper
107 100
109 93.9 73.3 109.9

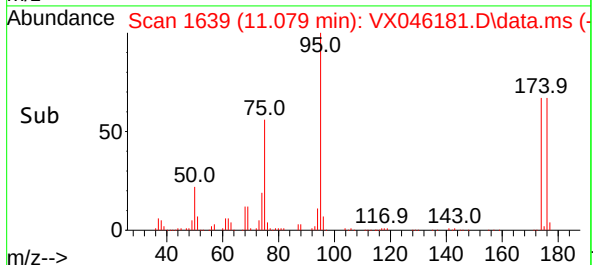
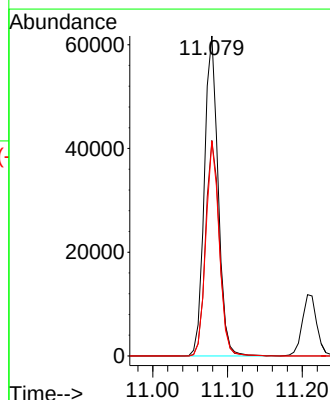
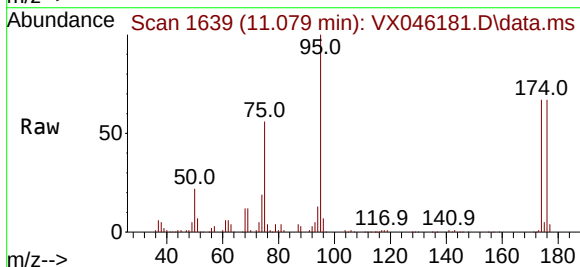
Manual Integrations
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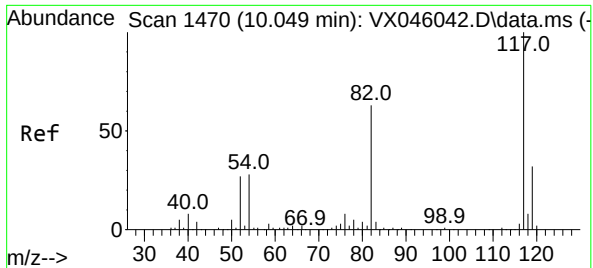
Reviewed By : John Carlone 05/15/2025
Supervised By : Mahesh Dadoda 05/15/2025



#62
4-Bromofluorobenzene
Concen: 53.054 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion: 95 Resp: 78977
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.8
176 65.0 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 140519

Ion Ratio Lower Upper

117 100

82 62.1 50.6 76.0

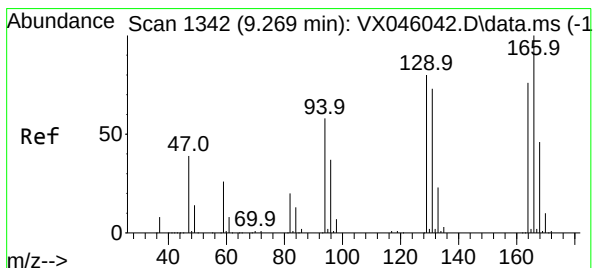
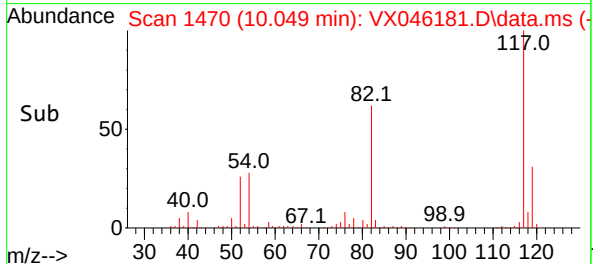
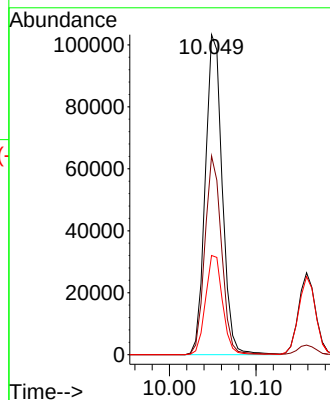
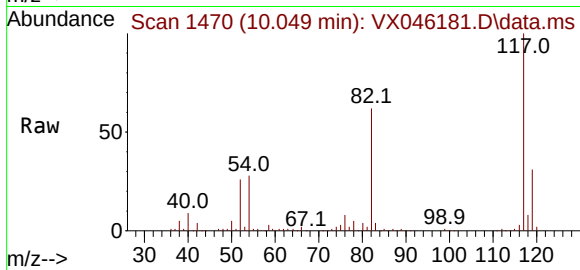
119 31.0 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#64

Tetrachloroethene

Concen: 50.004 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Tgt Ion:164 Resp: 49716

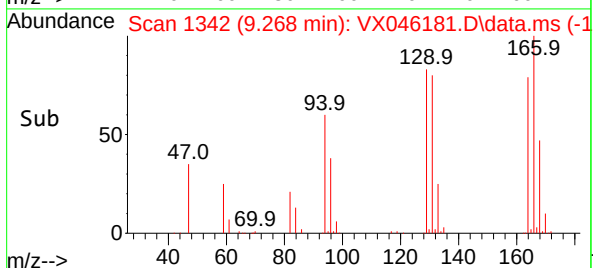
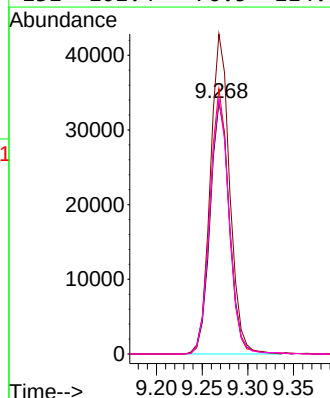
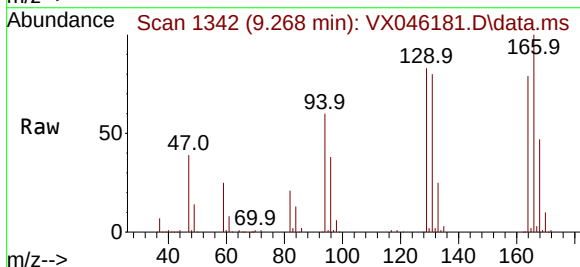
Ion Ratio Lower Upper

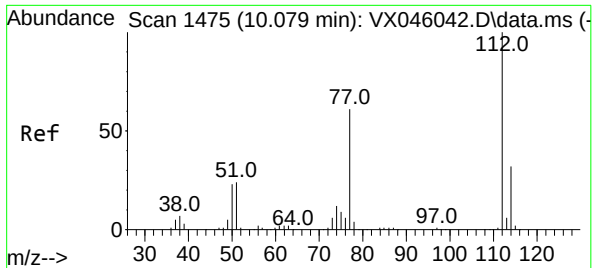
164 100

166 127.3 105.0 157.6

129 105.5 83.5 125.3

131 101.4 76.5 114.7





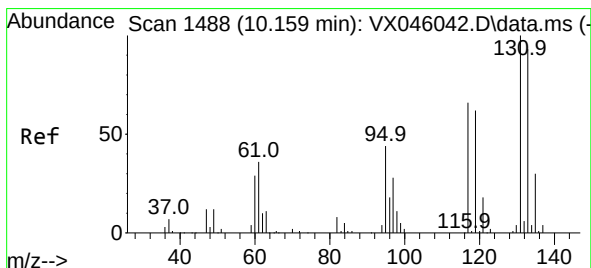
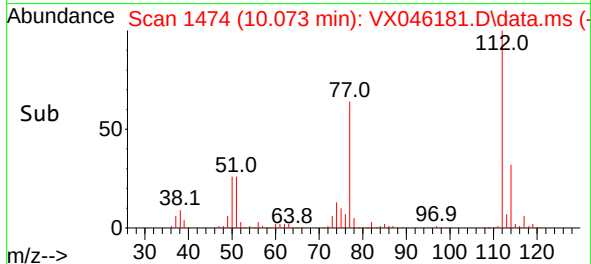
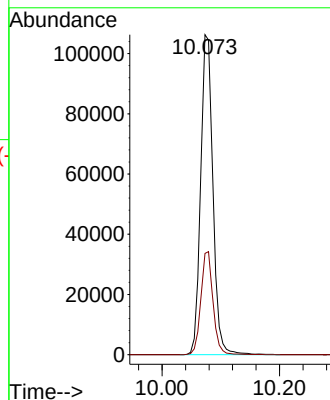
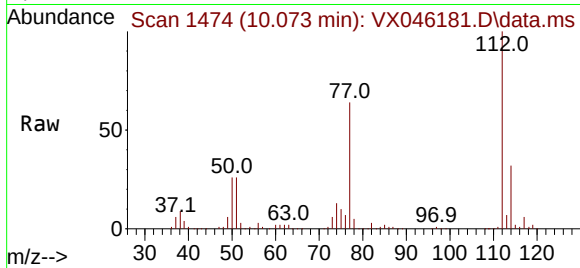
#65
Chlorobenzene
Concen: 50.098 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 15408
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2

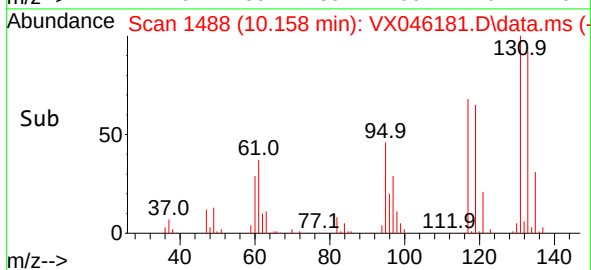
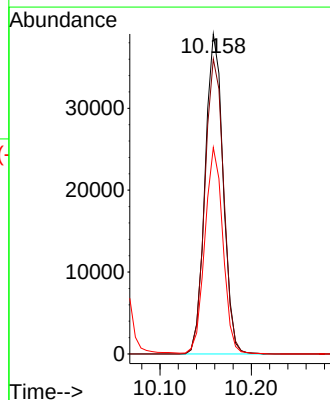
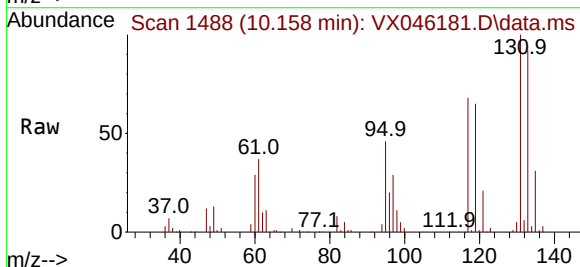
Manual Integrations
APPROVED

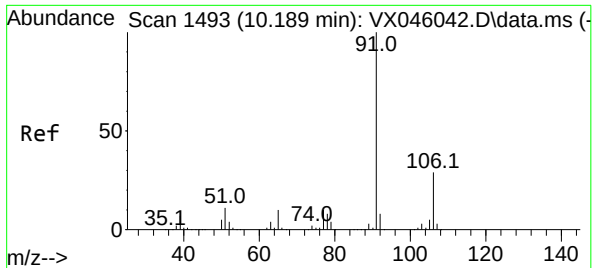
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 50.862 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

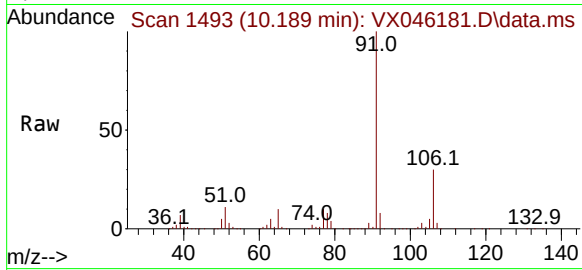
Tgt Ion:131 Resp: 53417
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.9
119 64.7 31.6 95.0





#67
Ethyl Benzene
Concen: 51.859 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

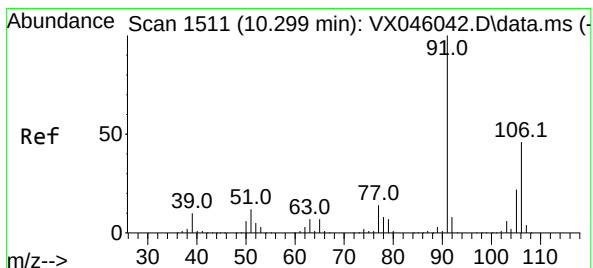
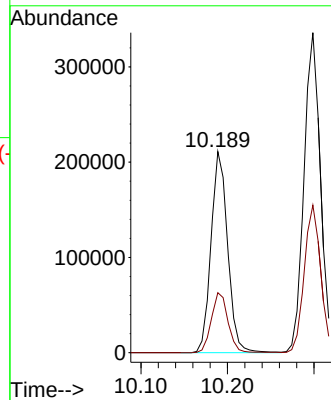
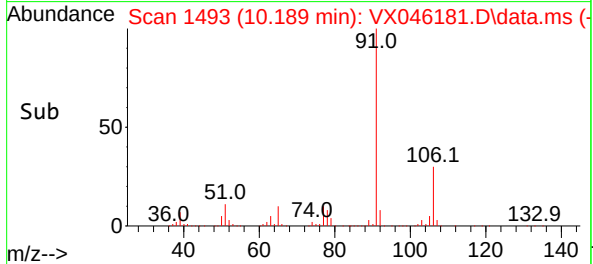
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 91 Resp: 281152
Ion Ratio Lower Upper
91 100
106 29.8 23.4 35.2

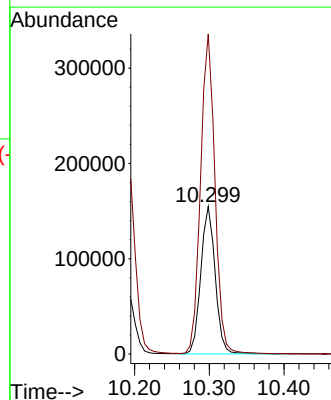
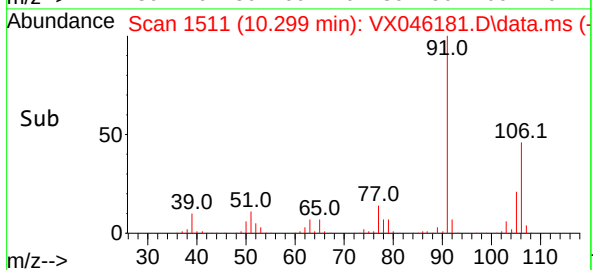
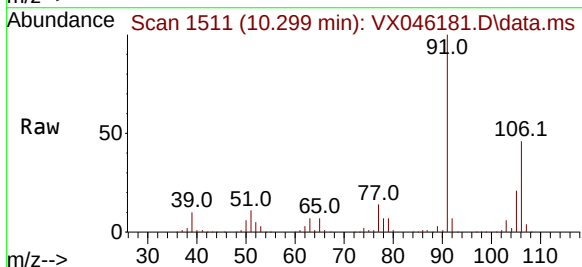
Manual Integrations
APPROVED

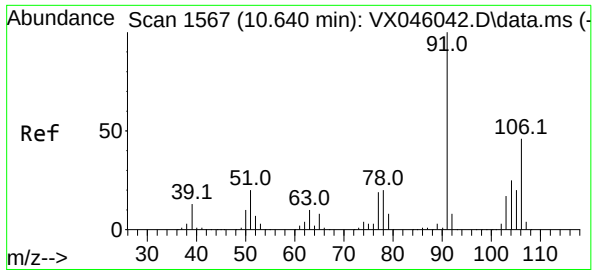
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#68
m/p-Xylenes
Concen: 104.178 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion:106 Resp: 206571
Ion Ratio Lower Upper
106 100
91 217.4 171.2 256.8





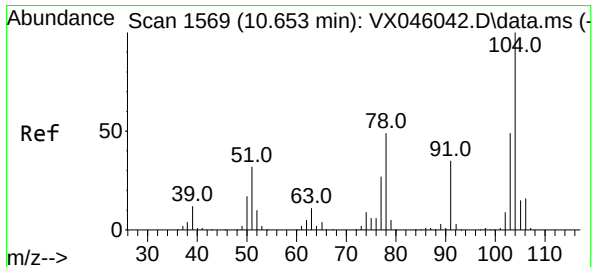
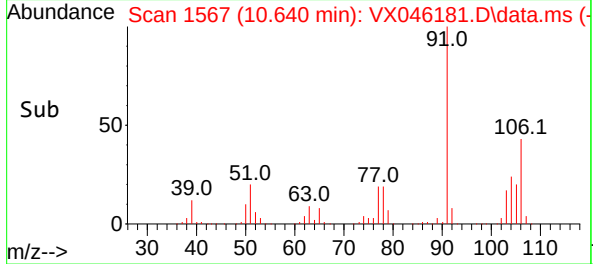
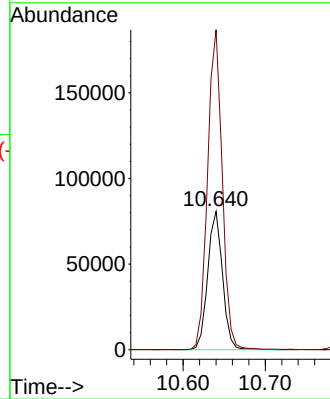
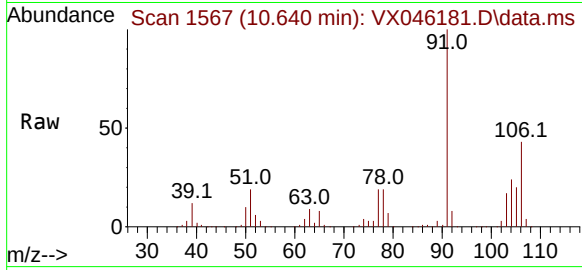
#69
o-Xylene
Concen: 52.176 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 100862
Ion Ratio Lower Upper
106 100
91 230.1 112.7 338.1

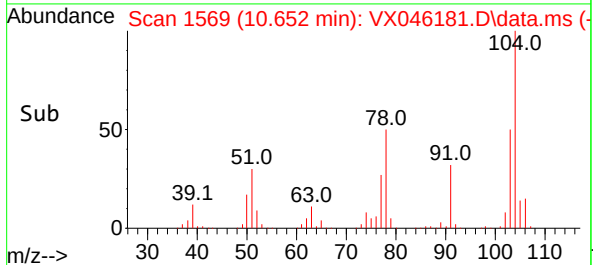
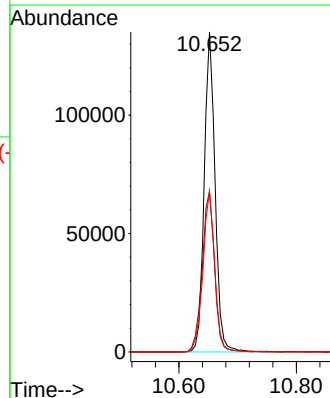
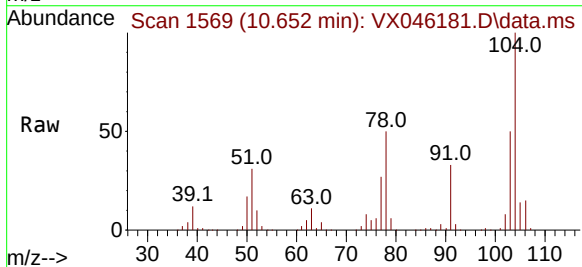
Manual Integrations
APPROVED

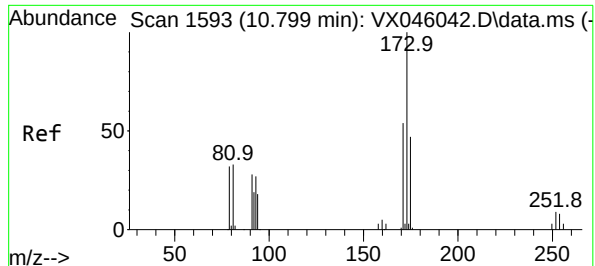
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#70
Styrene
Concen: 54.916 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

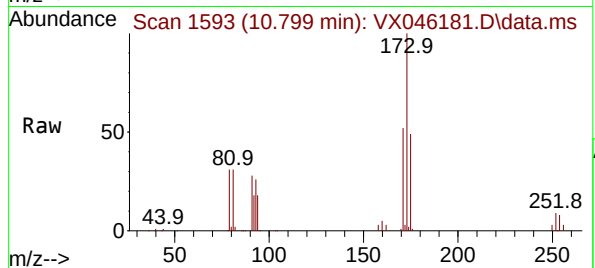
Tgt Ion:104 Resp: 173899
Ion Ratio Lower Upper
104 100
78 57.2 45.7 68.5
103 55.0 43.7 65.5





#71
Bromoform
Concen: 52.737 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

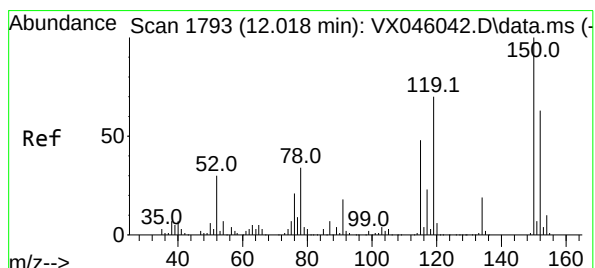
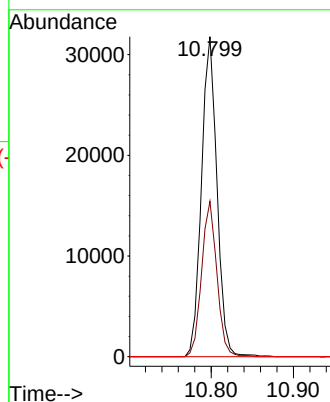
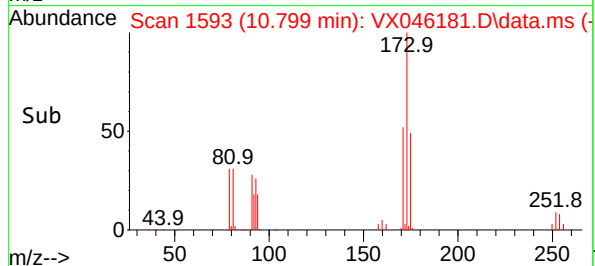
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:173 Resp: 4158
Ion Ratio Lower Upper
173 100
175 47.8 23.4 70.0
254 0.0 0.0 0.0

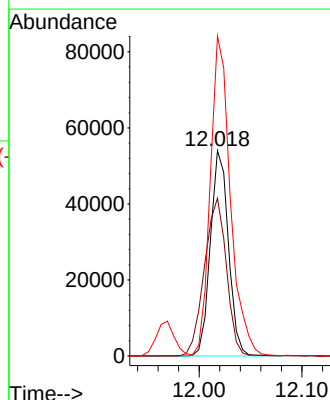
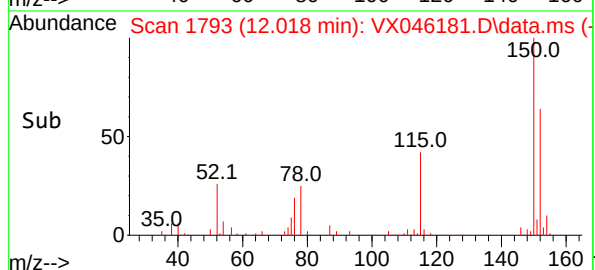
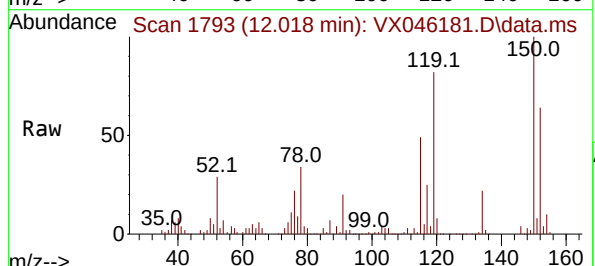
Manual Integrations
APPROVED

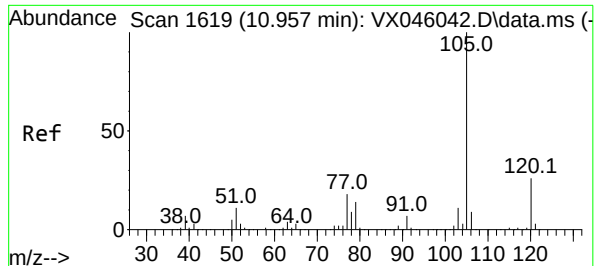
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion:152 Resp: 65751
Ion Ratio Lower Upper
152 100
115 93.9 46.9 140.7
150 173.0 0.0 351.0





#73

Isopropylbenzene

Concen: 53.491 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 273810

Ion Ratio Lower Upper

105 100

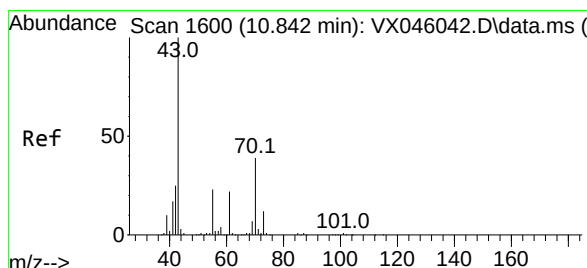
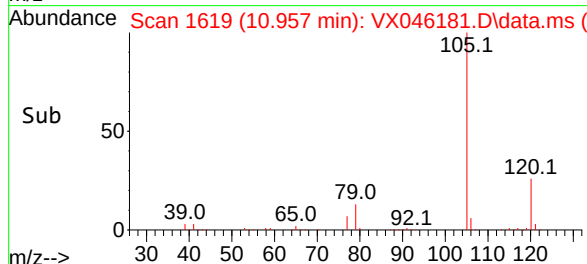
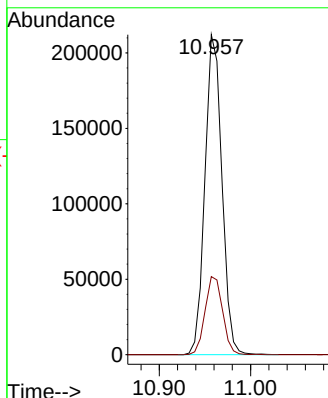
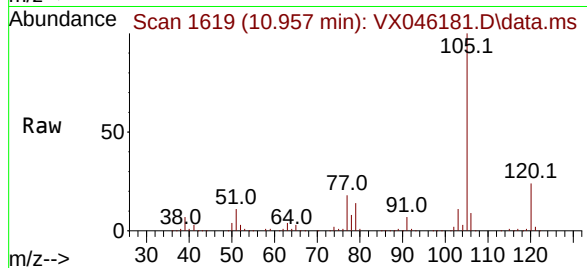
120 25.2 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#74

N-ethyl acetate

Concen: 51.677 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Tgt Ion: 43 Resp: 130717

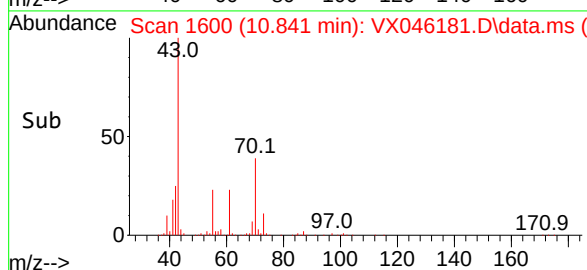
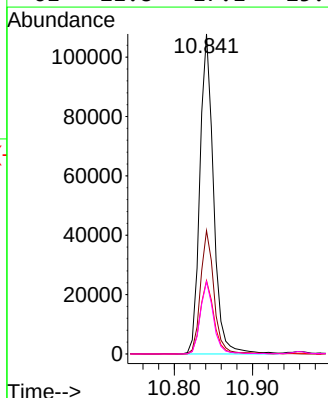
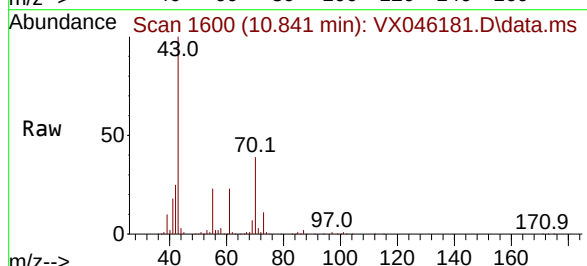
Ion Ratio Lower Upper

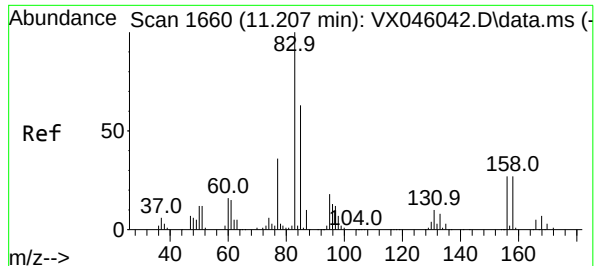
43 100

70 37.9 30.9 46.3

55 23.2 18.7 28.1

61 21.8 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.778 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 87500

Ion Ratio Lower Upper

83 100

131 9.4 5.0 14.9

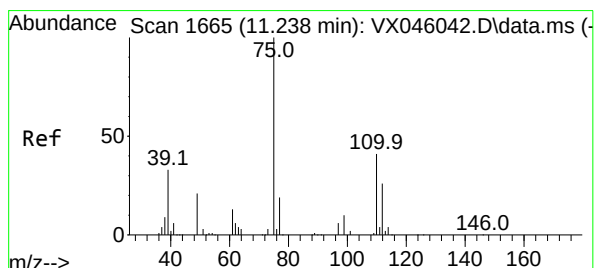
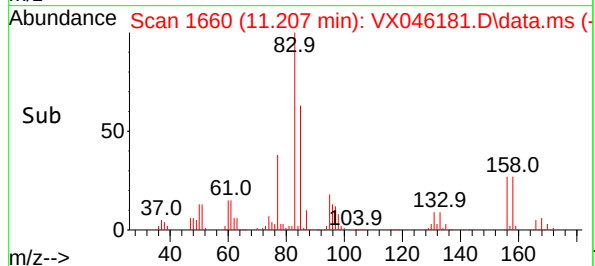
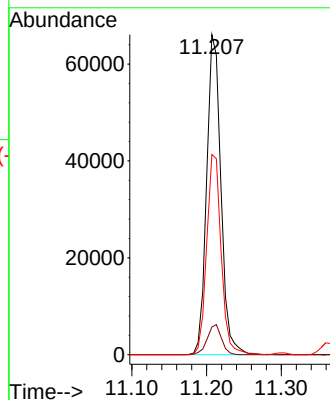
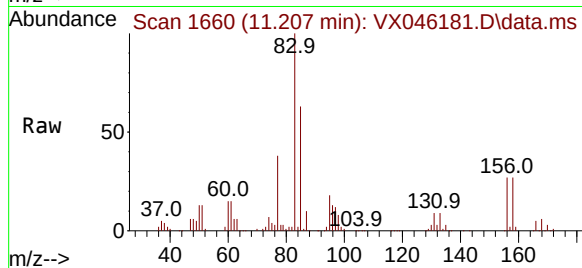
85 63.4 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#76

1,2,3-Trichloropropane

Concen: 48.805 ug/l m

RT: 11.237 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX046181.D

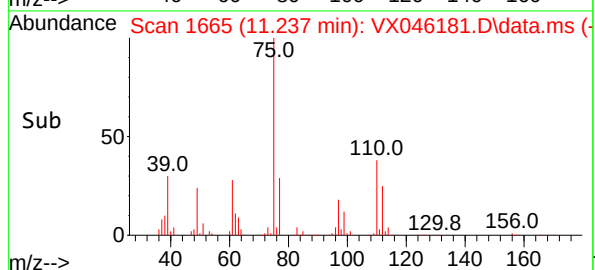
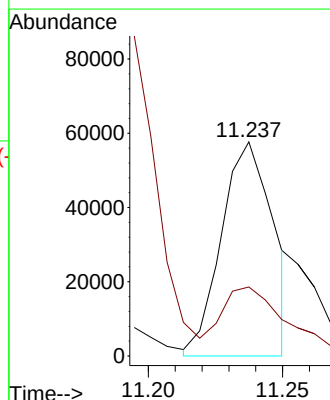
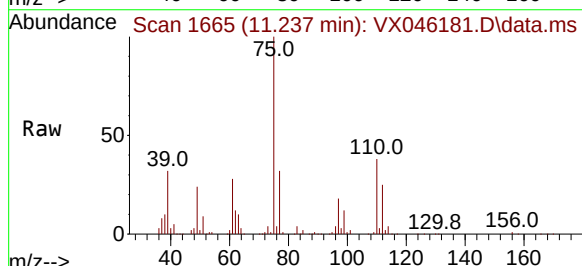
Acq: 14 May 2025 09:59

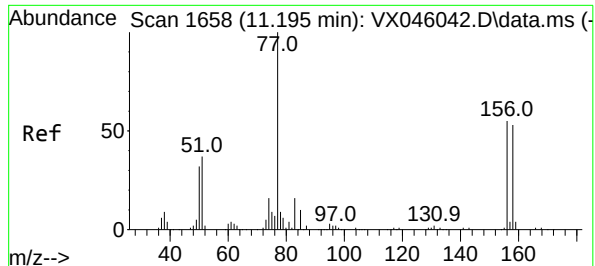
Tgt Ion: 75 Resp: 77241

Ion Ratio Lower Upper

75 100

77 41.4 20.5 61.5





#77

Bromobenzene

Concen: 51.627 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 61354

Ion Ratio Lower Upper

156 100

77 184.7 92.8 278.3

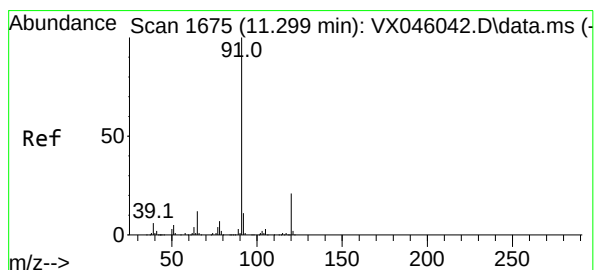
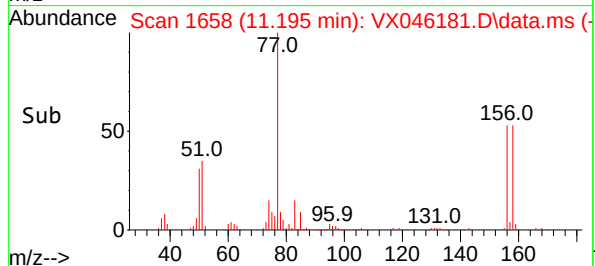
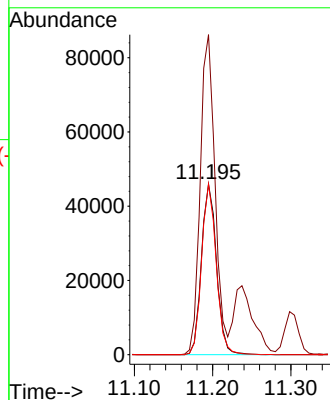
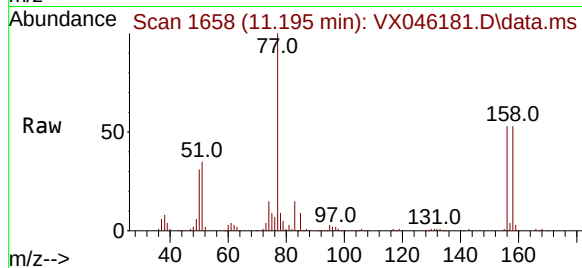
158 97.3 48.8 146.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#78

n-propylbenzene

Concen: 53.832 ug/l

RT: 11.298 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VX046181.D

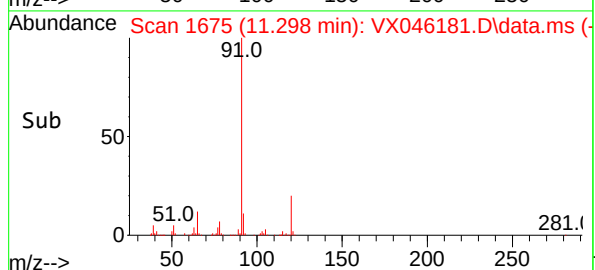
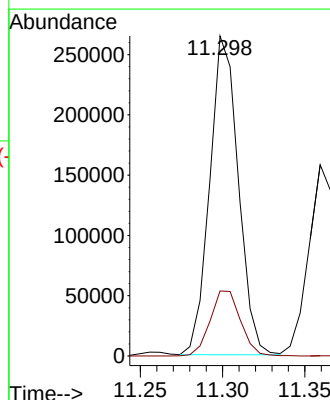
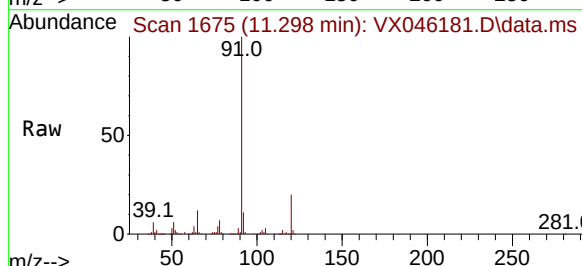
Acq: 14 May 2025 09:59

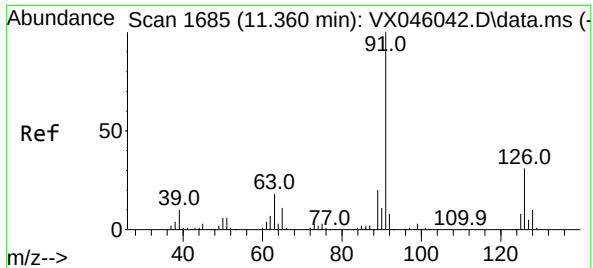
Tgt Ion: 91 Resp: 320409

Ion Ratio Lower Upper

91 100

120 21.7 10.8 32.4





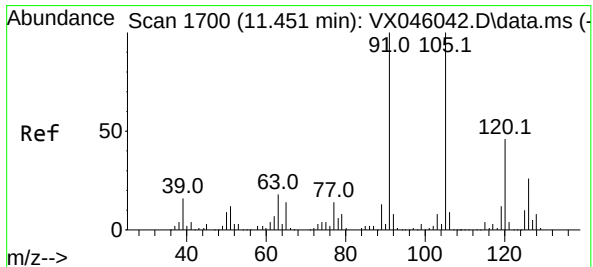
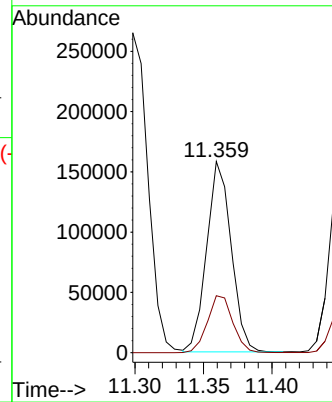
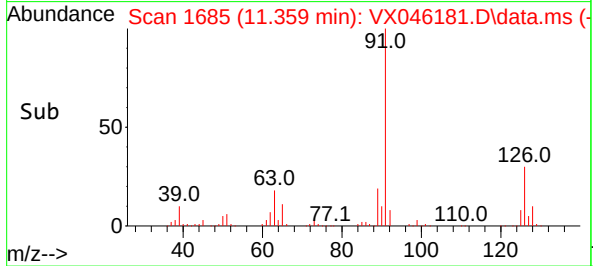
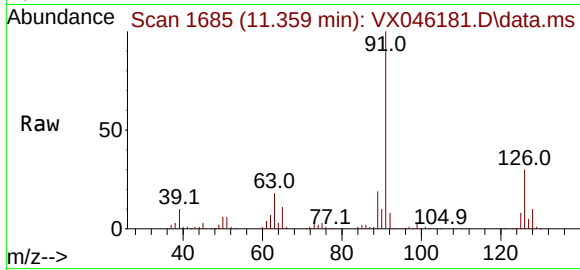
#79
2-Chlorotoluene
Concen: 51.259 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 19678
Ion Ratio Lower Upper
91 100
126 31.0 15.6 46.7

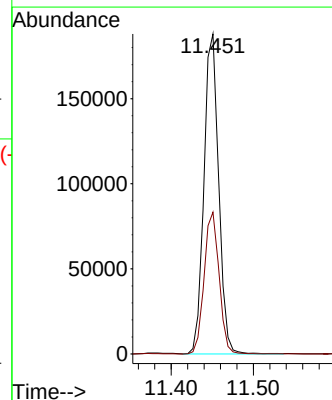
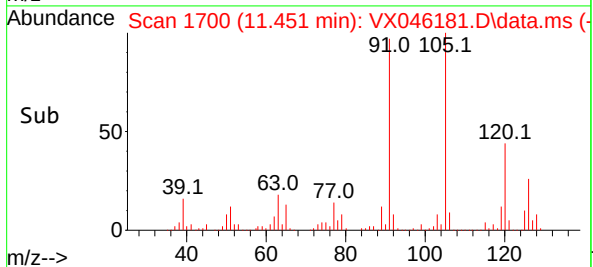
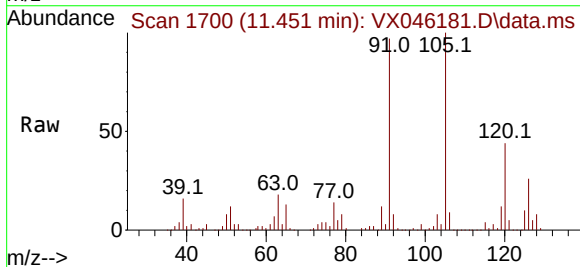
Manual Integrations
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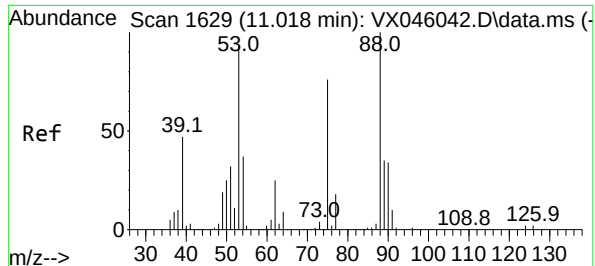
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#80
1,3,5-Trimethylbenzene
Concen: 54.804 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion:105 Resp: 234370
Ion Ratio Lower Upper
105 100
120 45.0 23.1 69.2





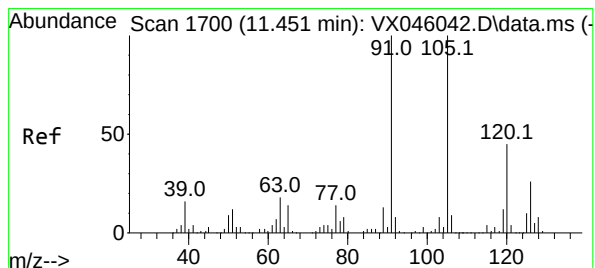
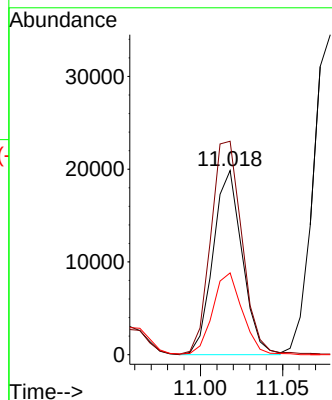
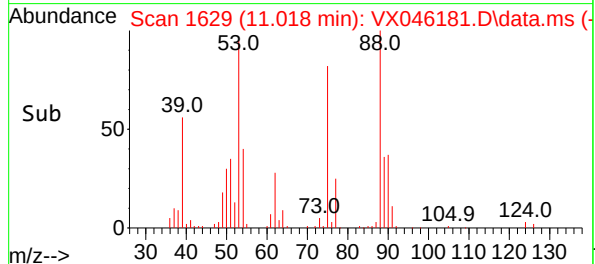
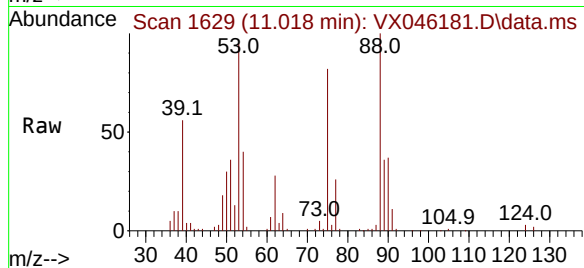
#81
trans-1,4-Dichloro-2-butene
Concen: 50.568 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 2458
Ion Ratio Lower Upper
75 100
53 124.8 100.5 150.7
89 45.0 37.0 55.6

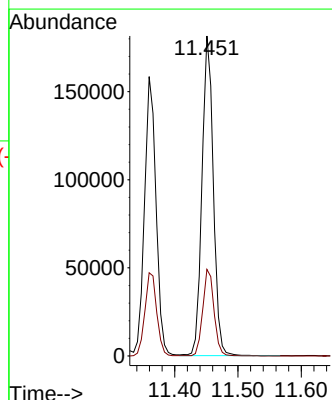
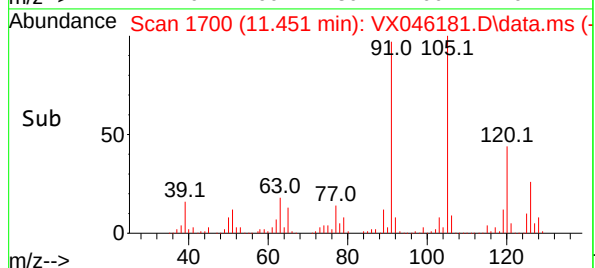
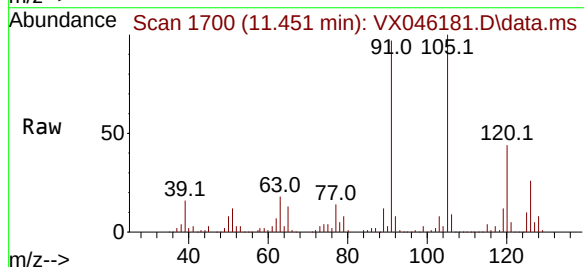
Manual Integrations
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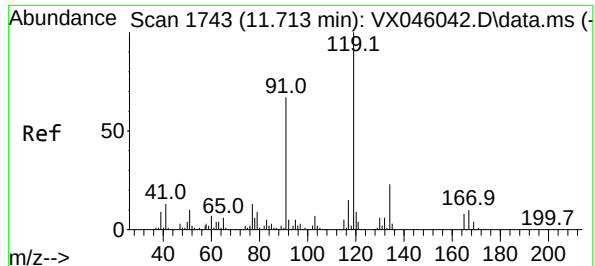
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#82
4-Chlorotoluene
Concen: 53.213 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion: 91 Resp: 226547
Ion Ratio Lower Upper
91 100
126 27.0 13.3 39.8





#83

tert-Butylbenzene

Concen: 52.762 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 227279

Ion Ratio Lower Upper

119 100

91 65.3 32.9 98.7

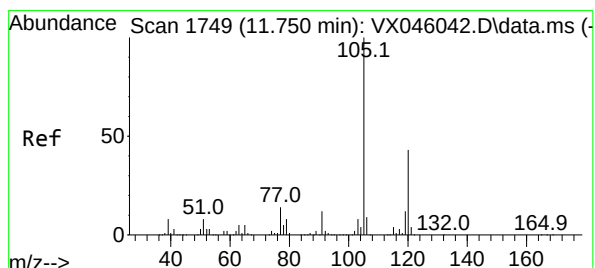
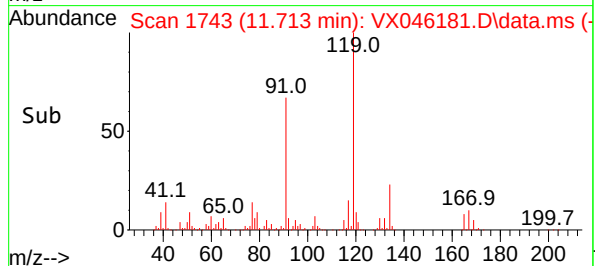
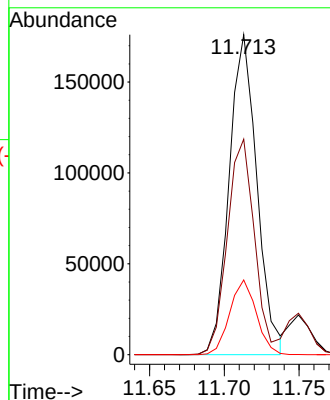
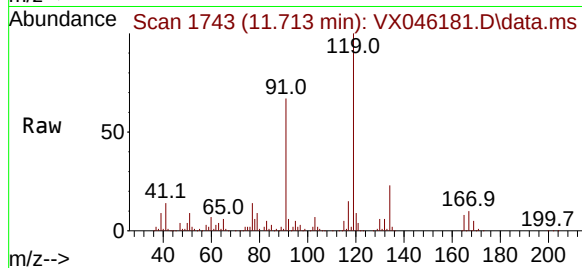
134 22.4 11.4 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#84

1,2,4-Trimethylbenzene

Concen: 53.296 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046181.D

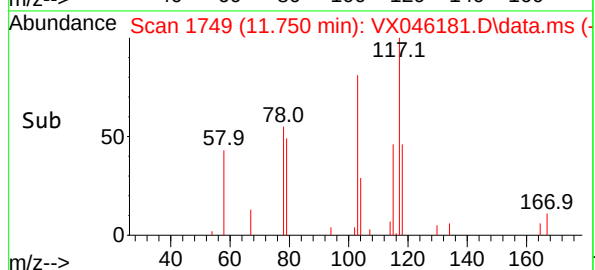
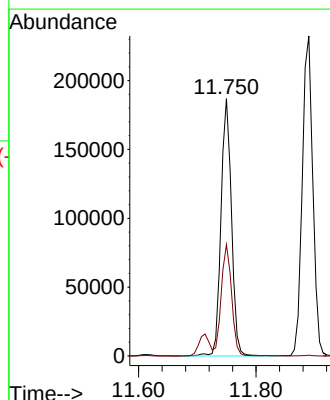
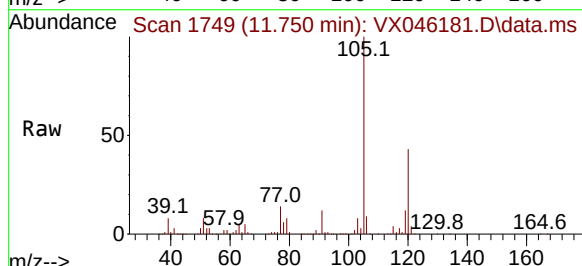
Acq: 14 May 2025 09:59

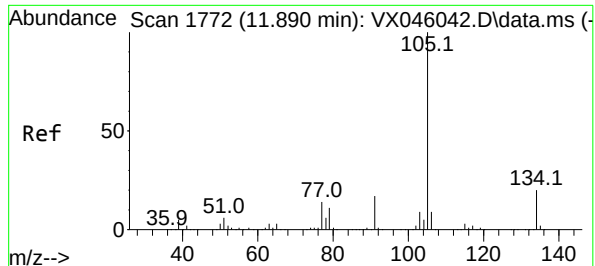
Tgt Ion:105 Resp: 230811

Ion Ratio Lower Upper

105 100

120 42.6 21.2 63.6





#85

sec-Butylbenzene

Concen: 54.429 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 287878

Ion Ratio Lower Upper

105 100

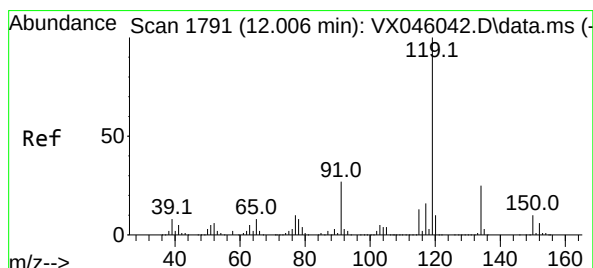
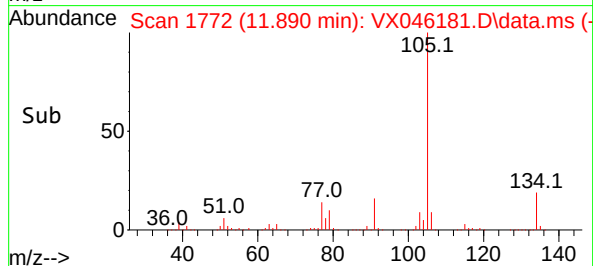
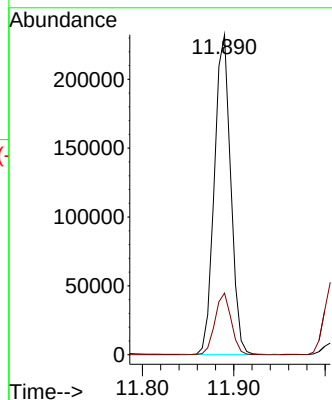
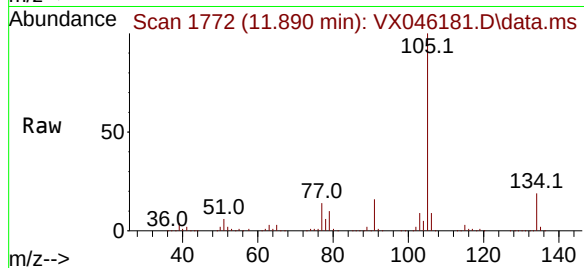
134 19.2 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#86

p-Isopropyltoluene

Concen: 54.457 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

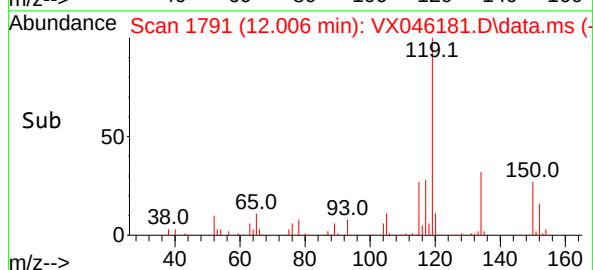
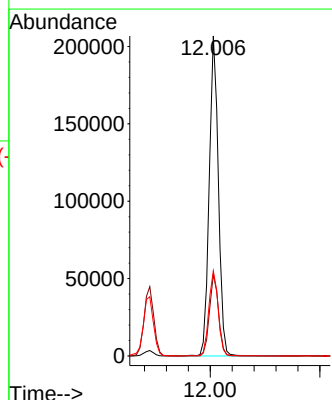
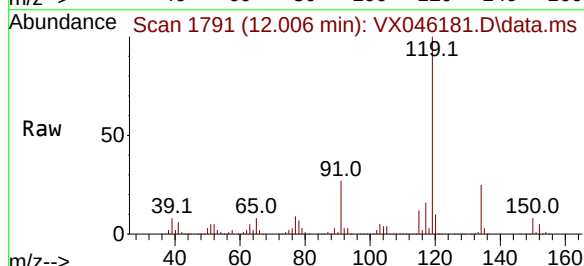
Tgt Ion:119 Resp: 237747

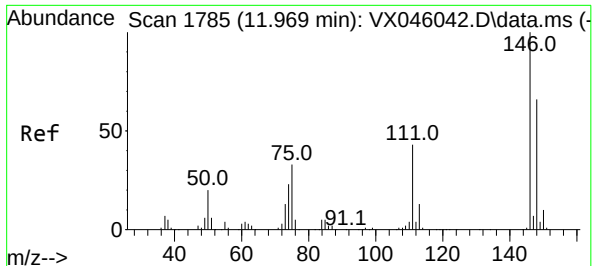
Ion Ratio Lower Upper

119 100

134 25.2 12.5 37.5

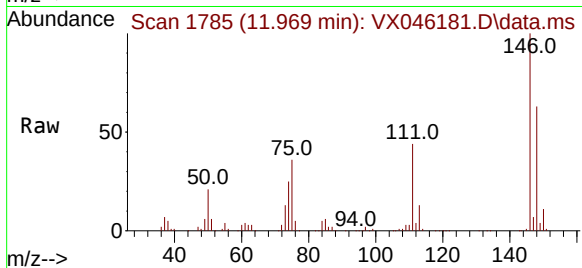
91 27.2 13.8 41.4





#87
1,3-Dichlorobenzene
Concen: 52.131 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

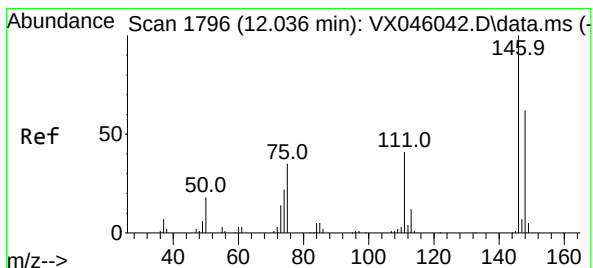
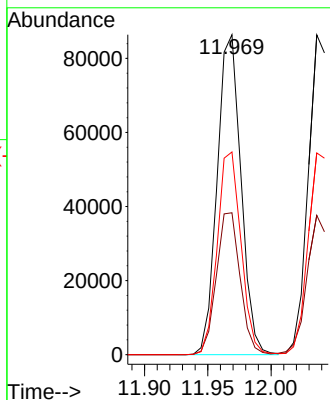
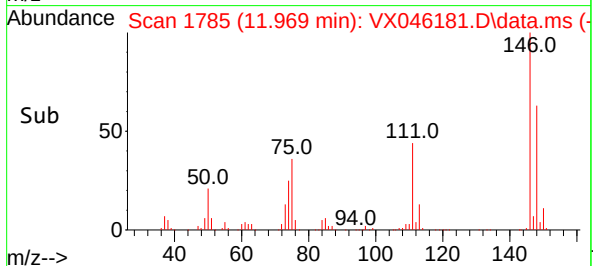
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



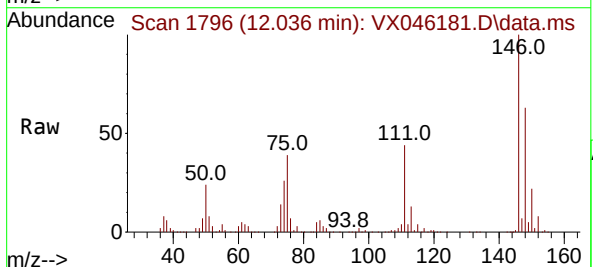
Tgt Ion:146 Resp: 113068
Ion Ratio Lower Upper
146 100
111 44.3 22.1 66.3
148 63.2 32.1 96.5

Manual Integrations
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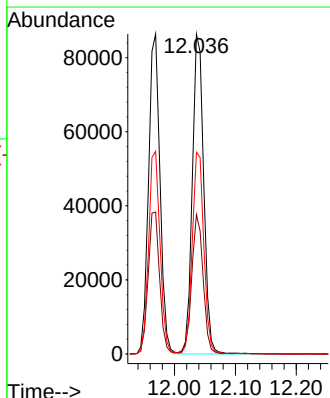
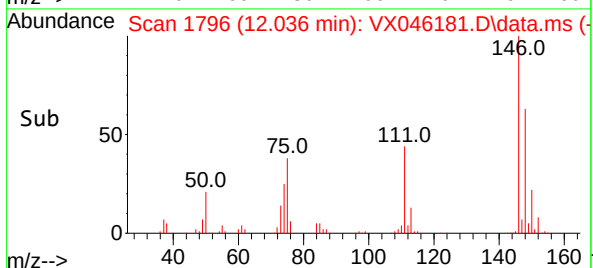
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

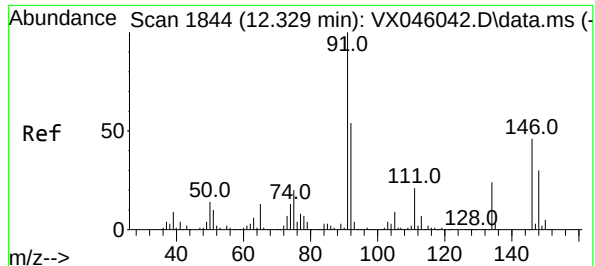


#88
1,4-Dichlorobenzene
Concen: 50.642 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59



Tgt Ion:146 Resp: 112173
Ion Ratio Lower Upper
146 100
111 43.4 21.3 63.9
148 64.2 31.9 95.5





#89

n-Butylbenzene

Concen: 55.679 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX046181.D

Acq: 14 May 2025 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 21322

Ion Ratio Lower Upper

91 100

92 53.4 26.9 80.7

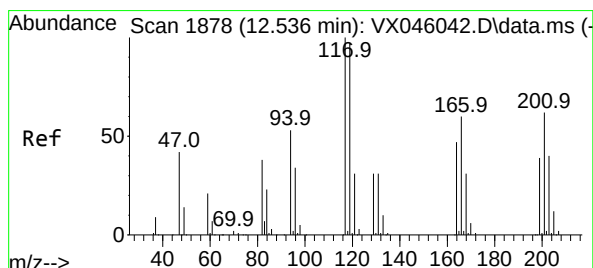
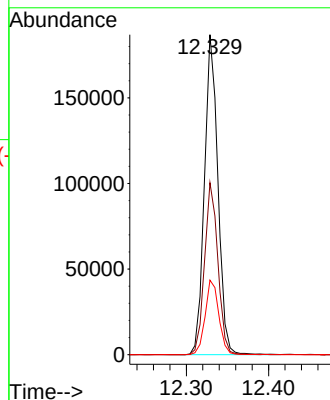
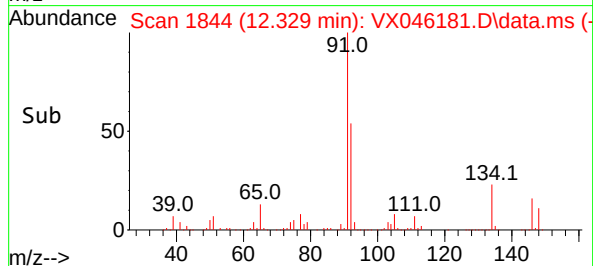
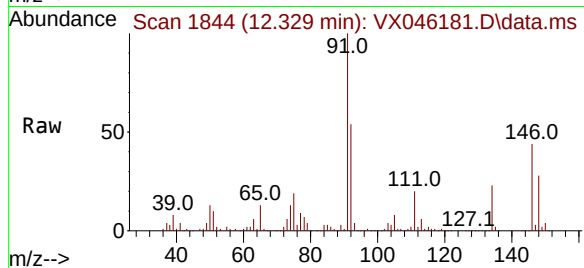
134 23.7 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#90

Hexachloroethane

Concen: 53.107 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX046181.D

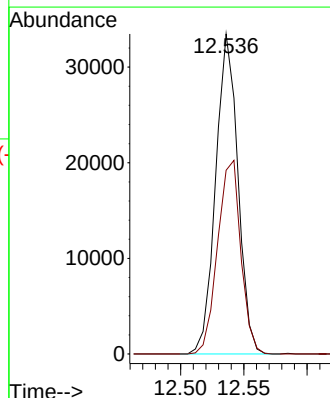
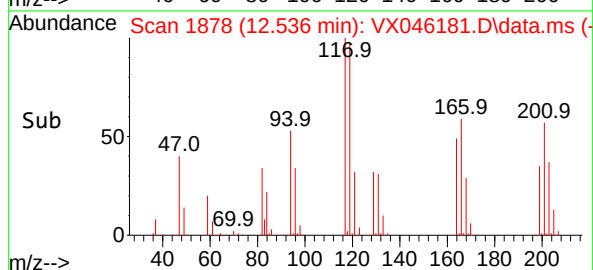
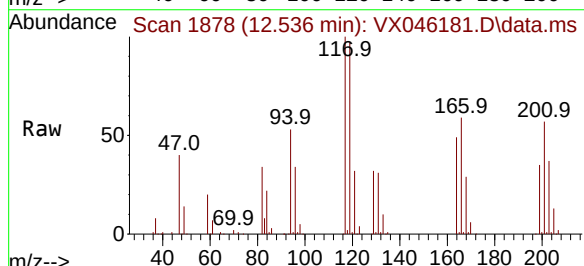
Acq: 14 May 2025 09:59

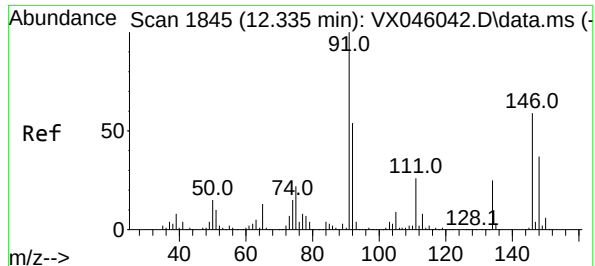
Tgt Ion:117 Resp: 40847

Ion Ratio Lower Upper

117 100

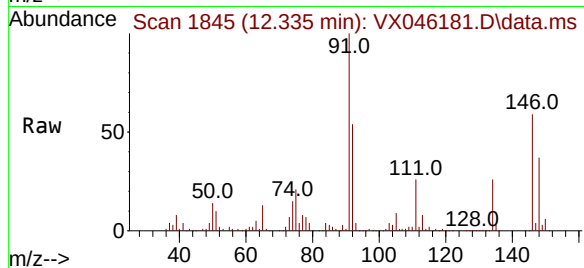
201 63.2 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 51.786 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

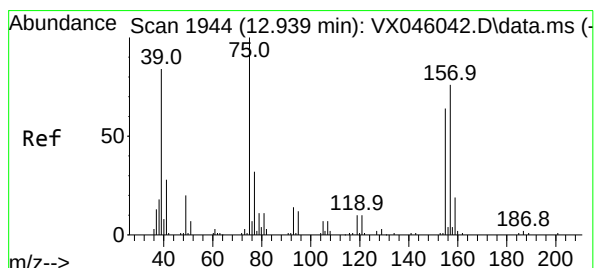
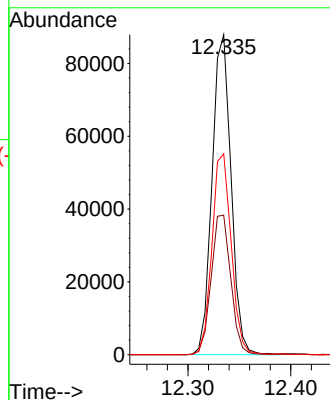
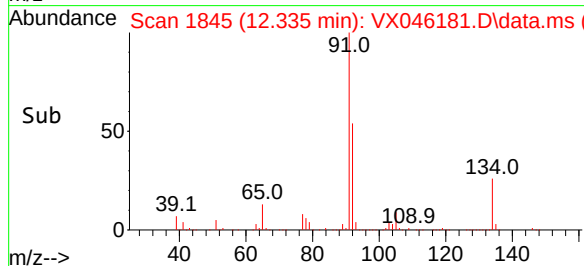
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



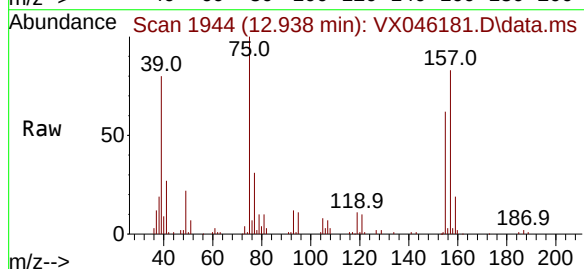
Tgt Ion:146 Resp: 11271
Ion Ratio Lower Upper
146 100
111 45.0 22.4 67.3
148 63.7 31.6 94.8

Manual Integrations
APPROVED

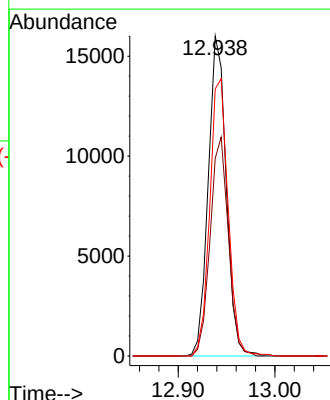
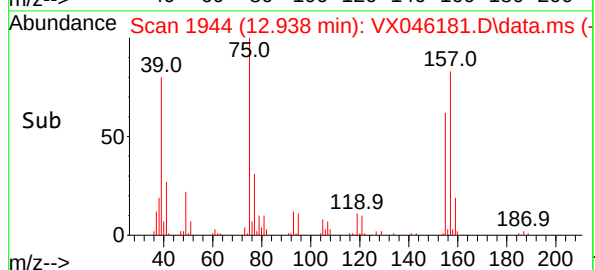
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

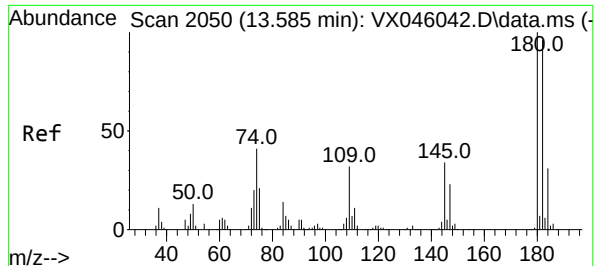


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.054 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59



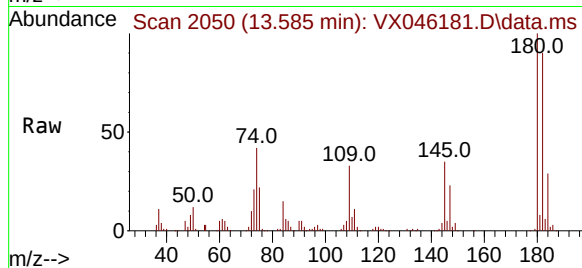
Tgt Ion: 75 Resp: 20686
Ion Ratio Lower Upper
75 100
155 69.1 34.9 104.8
157 88.5 43.8 131.4





#93
1,2,4-Trichlorobenzene
Concen: 53.791 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

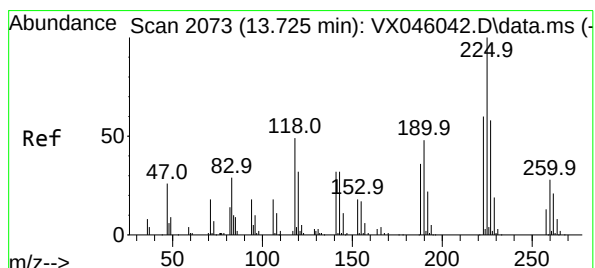
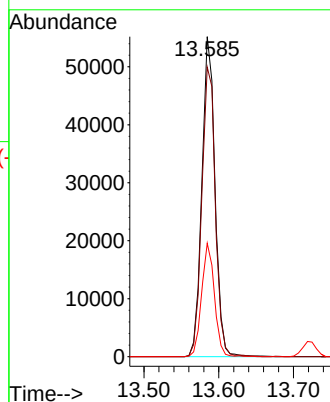
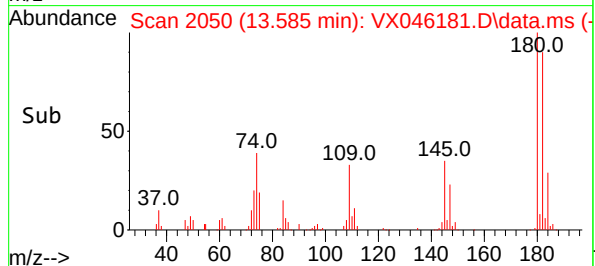
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



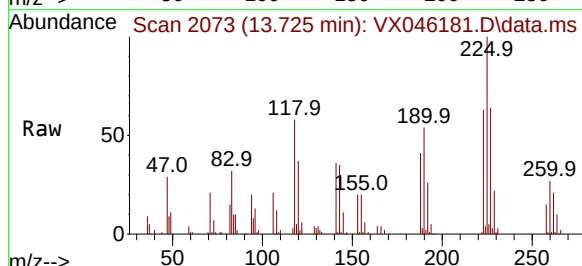
Tgt Ion:180 Resp: 6724
Ion Ratio Lower Upper
180 100
182 93.2 47.9 143.8
145 34.6 17.1 51.2

Manual Integrations
APPROVED

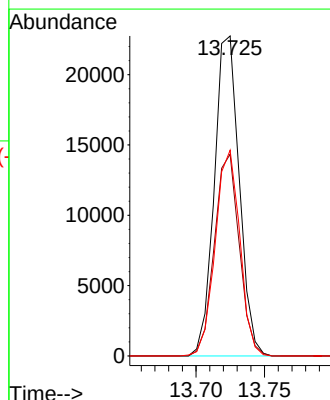
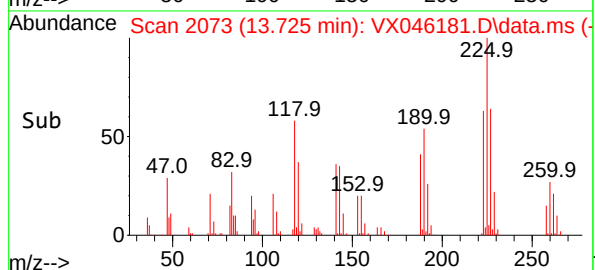
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

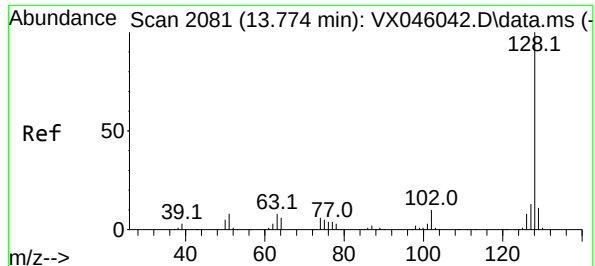


#94
Hexachlorobutadiene
Concen: 52.668 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59



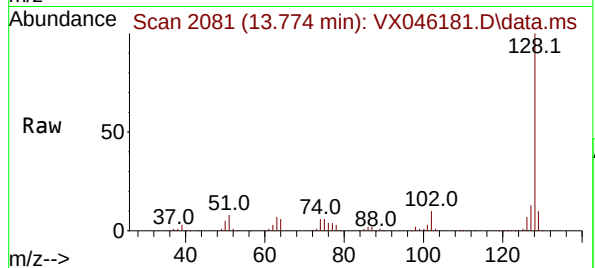
Tgt Ion:225 Resp: 28755
Ion Ratio Lower Upper
225 100
223 63.0 30.8 92.4
227 63.4 30.9 92.7





#95
Naphthalene
Concen: 52.084 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

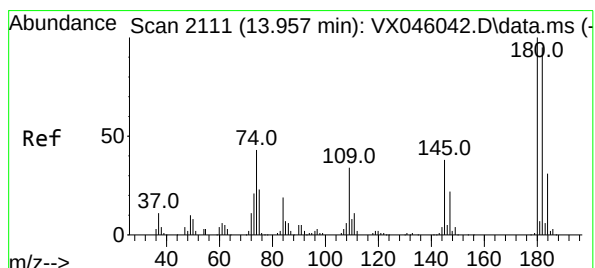
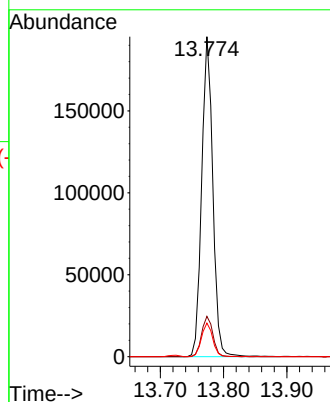
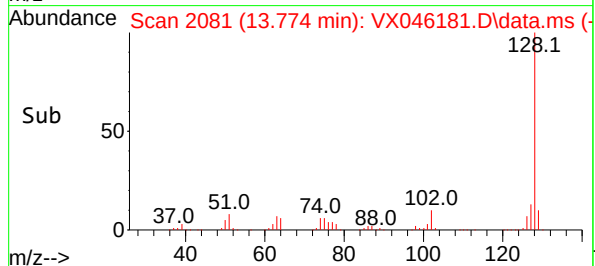
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:128 Resp: 238800
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.6 8.6 13.0

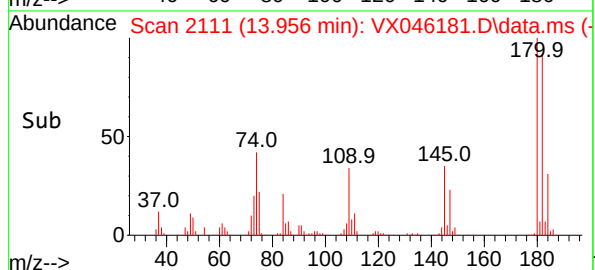
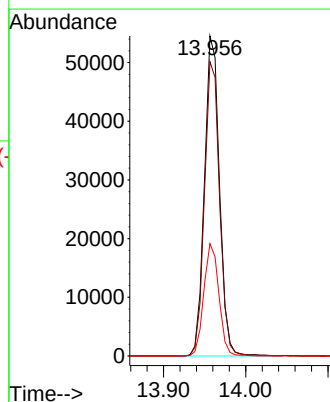
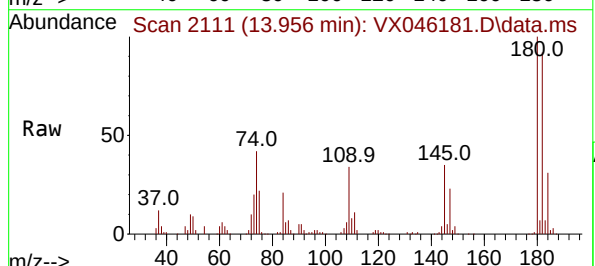
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.661 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046181.D
Acq: 14 May 2025 09:59

Tgt Ion:180 Resp: 69216
Ion Ratio Lower Upper
180 100
182 92.5 47.8 143.3
145 35.3 18.1 54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046181.D
 Acq On : 14 May 2025 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 15 01:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	0.765	0.816	-6.7	90	0.00
3 P	Chloromethane	0.742	0.750	-1.1	92	0.00
4 C	Vinyl Chloride	0.691	0.687	0.6#	92	0.00
5 T	Bromomethane	0.320	0.290	9.4	85	0.00
6 T	Chloroethane	0.369	0.367	0.5	92	0.00
7 T	Trichlorofluoromethane	1.021	1.048	-2.6	93	0.00
8 T	Diethyl Ether	0.347	0.335	3.5	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.654	-3.5	97	0.00
10 T	Methyl Iodide	0.747	0.665	11.0	79	0.00
11 T	Tert butyl alcohol	0.131	0.127	3.1	94	0.00
12 CM	1,1-Dichloroethene	0.593	0.584	1.5#	93	0.00
13 T	Acrolein	0.149	0.161	-8.1	101	0.00
14 T	Allyl chloride	1.133	1.178	-4.0	95	0.00
15 T	Acrylonitrile	0.374	0.384	-2.7	94	0.00
16 T	Acetone	0.374	0.386	-3.2	102	0.00
17 T	Carbon Disulfide	1.406	1.299	7.6	85	0.00
18 T	Methyl Acetate	0.867	0.936	-8.0	105	0.00
19 T	Methyl tert-butyl Ether	2.079	2.130	-2.5	94	0.00
20 T	Methylene Chloride	0.716	0.679	5.2	95	0.00
21 T	trans-1,2-Dichloroethene	0.596	0.582	2.3	91	0.00
22 T	Diisopropyl ether	2.189	2.290	-4.6	96	0.00
23 T	Vinyl Acetate	1.925	1.988	-3.3	93	0.00
24 P	1,1-Dichloroethane	1.219	1.242	-1.9	94	0.00
25 T	2-Butanone	0.543	0.560	-3.1	96	0.00
26 T	2,2-Dichloropropane	0.954	0.960	-0.6	96	0.00
27 T	cis-1,2-Dichloroethene	0.718	0.721	-0.4	93	0.00
28 T	Bromochloromethane	0.587	0.577	1.7	95	0.00
29 T	Tetrahydrofuran	0.340	0.346	-1.8	94	0.00
30 C	Chloroform	1.271	1.302	-2.4#	96	0.00
31 T	Cyclohexane	1.111	1.083	2.5	92	0.00
32 T	1,1,1-Trichloroethane	1.101	1.122	-1.9	95	0.00
33 S	1,2-Dichloroethane-d4	0.932	0.914	1.9	96	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35 S	Dibromofluoromethane	0.360	0.380	-5.6	99	0.00
36 T	1,1-Dichloropropene	0.484	0.486	-0.4	91	0.00
37 T	Ethyl Acetate	0.598	0.613	-2.5	93	0.00
38 T	Carbon Tetrachloride	0.544	0.568	-4.4	94	0.00
39 T	Methylcyclohexane	0.623	0.635	-1.9	92	0.00
40 TM	Benzene	1.417	1.472	-3.9	93	0.00
41 T	Methacrylonitrile	0.313	0.359	-14.7	96	0.00
42 TM	1,2-Dichloroethane	0.612	0.643	-5.1	95	0.00
43 T	Isopropyl Acetate	0.912	0.981	-7.6	94	0.00
44 TM	Trichloroethene	0.341	0.354	-3.8	92	0.00
45 C	1,2-Dichloropropane	0.352	0.381	-8.2#	95	0.00
46 T	Dibromomethane	0.278	0.292	-5.0	94	0.00
47 T	Bromodichloromethane	0.547	0.592	-8.2	95	0.00
48 T	Methyl methacrylate	0.466	0.509	-9.2	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046181.D
 Acq On : 14 May 2025 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 15 01:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.009	0.010	-11.1	97	0.00
50 S	Toluene-d8	1.246	1.293	-3.8	98	0.00
51 T	4-Methyl-2-Pentanone	0.605	0.652	-7.8	95	0.00
52 CM	Toluene	0.869	0.907	-4.4#	94	0.00
53 T	t-1,3-Dichloropropene	0.487	0.532	-9.2	93	0.00
54 T	cis-1,3-Dichloropropene	0.538	0.584	-8.6	94	0.00
55 T	1,1,2-Trichloroethane	0.343	0.367	-7.0	96	0.00
56 T	Ethyl methacrylate	0.546	0.611	-11.9	95	0.00
57 T	1,3-Dichloropropane	0.615	0.645	-4.9	96	0.00
58 T	2-Chloroethyl Vinyl ether	0.278	0.321	-15.5	97	0.00
59 T	2-Hexanone	0.448	0.480	-7.1	94	0.00
60 T	Dibromochloromethane	0.376	0.419	-11.4	97	0.00
61 T	1,2-Dibromoethane	0.356	0.377	-5.9	94	0.00
62 S	4-Bromofluorobenzene	0.478	0.507	-6.1	100	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64 T	Tetrachloroethene	0.354	0.354	0.0	91	0.00
65 PM	Chlorobenzene	1.094	1.097	-0.3	96	0.00
66 T	1,1,1,2-Tetrachloroethane	0.374	0.380	-1.6	94	0.00
67 C	Ethyl Benzene	1.929	2.001	-3.7#	95	0.00
68 T	m/p-Xylenes	0.706	0.735	-4.1	95	0.00
69 T	o-Xylene	0.688	0.718	-4.4	95	0.00
70 T	Styrene	1.127	1.238	-9.8	98	0.00
71 P	Bromoform	0.281	0.296	-5.3	93	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	3.893	4.164	-7.0	98	0.00
74 T	N-amyl acetate	1.924	1.988	-3.3	93	0.00
75 P	1,1,2,2-Tetrachloroethane	1.364	1.331	2.4	96	0.00
76 T	1,2,3-Trichloropropane	1.204	1.175	2.4	96	0.00
77 T	Bromobenzene	0.904	0.933	-3.2	97	0.00
78 T	n-propylbenzene	4.526	4.873	-7.7	97	0.00
79 T	2-Chlorotoluene	2.919	2.993	-2.5	97	0.00
80 T	1,3,5-Trimethylbenzene	3.252	3.565	-9.6	99	0.00
81 T	trans-1,4-Dichloro-2-butene	0.370	0.374	-1.1	94	0.00
82 T	4-Chlorotoluene	3.238	3.446	-6.4	97	0.00
83 T	tert-Butylbenzene	3.276	3.457	-5.5	97	0.00
84 T	1,2,4-Trimethylbenzene	3.293	3.510	-6.6	96	0.00
85 T	sec-Butylbenzene	4.022	4.378	-8.9	99	0.00
86 T	p-Isopropyltoluene	3.320	3.616	-8.9	98	0.00
87 T	1,3-Dichlorobenzene	1.649	1.720	-4.3	98	0.00
88 T	1,4-Dichlorobenzene	1.684	1.706	-1.3	97	0.00
89 T	n-Butylbenzene	2.912	3.243	-11.4	100	0.00
90 T	Hexachloroethane	0.585	0.621	-6.2	97	0.00
91 T	1,2-Dichlorobenzene	1.655	1.714	-3.6	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.302	0.315	-4.3	94	0.00
93 T	1,2,4-Trichlorobenzene	0.951	1.023	-7.6	101	0.00
94 T	Hexachlorobutadiene	0.415	0.437	-5.3	99	0.00
95 T	Naphthalene	3.487	3.632	-4.2	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.981	1.053	-7.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046181.D
 Acq On : 14 May 2025 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 15 01:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2 T	Dichlorodifluoromethane	50.000	53.283	-6.6	90	0.00
3 P	Chloromethane	50.000	50.541	-1.1	92	0.00
4 C	Vinyl Chloride	50.000	49.713	0.6#	92	0.00
5 T	Bromomethane	50.000	45.307	9.4	85	0.00
6 T	Chloroethane	50.000	49.749	0.5	92	0.00
7 T	Trichlorofluoromethane	50.000	51.323	-2.6	93	0.00
8 T	Diethyl Ether	50.000	48.272	3.5	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.750	-3.5	97	0.00
10 T	Methyl Iodide	50.000	44.495	11.0	79	0.00
11 T	Tert butyl alcohol	250.000	243.032	2.8	94	0.00
12 CM	1,1-Dichloroethene	50.000	49.236	1.5#	93	0.00
13 T	Acrolein	250.000	269.517	-7.8	101	0.00
14 T	Allyl chloride	50.000	51.975	-4.0	95	0.00
15 T	Acrylonitrile	250.000	256.670	-2.7	94	0.00
16 T	Acetone	250.000	258.450	-3.4	102	0.00
17 T	Carbon Disulfide	50.000	46.219	7.6	85	0.00
18 T	Methyl Acetate	50.000	53.934	-7.9	105	0.00
19 T	Methyl tert-butyl Ether	50.000	51.246	-2.5	94	0.00
20 T	Methylene Chloride	50.000	47.382	5.2	95	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.808	2.4	91	0.00
22 T	Diisopropyl ether	50.000	52.318	-4.6	96	0.00
23 T	Vinyl Acetate	250.000	258.187	-3.3	93	0.00
24 P	1,1-Dichloroethane	50.000	50.957	-1.9	94	0.00
25 T	2-Butanone	250.000	258.137	-3.3	96	0.00
26 T	2,2-Dichloropropane	50.000	50.305	-0.6	96	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.247	-0.5	93	0.00
28 T	Bromochloromethane	50.000	49.140	1.7	95	0.00
29 T	Tetrahydrofuran	250.000	254.336	-1.7	94	0.00
30 C	Chloroform	50.000	51.225	-2.5#	96	0.00
31 T	Cyclohexane	50.000	48.746	2.5	92	0.00
32 T	1,1,1-Trichloroethane	50.000	50.918	-1.8	95	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.026	1.9	96	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35 S	Dibromofluoromethane	50.000	52.783	-5.6	99	0.00
36 T	1,1-Dichloropropene	50.000	50.230	-0.5	91	0.00
37 T	Ethyl Acetate	50.000	51.307	-2.6	93	0.00
38 T	Carbon Tetrachloride	50.000	52.266	-4.5	94	0.00
39 T	Methylcyclohexane	50.000	50.942	-1.9	92	0.00
40 TM	Benzene	50.000	51.944	-3.9	93	0.00
41 T	Methacrylonitrile	50.000	57.383	-14.8	96	0.00
42 TM	1,2-Dichloroethane	50.000	52.592	-5.2	95	0.00
43 T	Isopropyl Acetate	50.000	53.783	-7.6	94	0.00
44 TM	Trichloroethene	50.000	51.848	-3.7	92	0.00
45 C	1,2-Dichloropropane	50.000	54.022	-8.0#	95	0.00
46 T	Dibromomethane	50.000	52.464	-4.9	94	0.00
47 T	Bromodichloromethane	50.000	54.051	-8.1	95	0.00
48 T	Methyl methacrylate	50.000	54.678	-9.4	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046181.D
 Acq On : 14 May 2025 09:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 15 01:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1075.475	-7.5	97	0.00
50 S	Toluene-d8	50.000	51.889	-3.8	98	0.00
51 T	4-Methyl-2-Pentanone	250.000	269.373	-7.7	95	0.00
52 CM	Toluene	50.000	52.203	-4.4#	94	0.00
53 T	t-1,3-Dichloropropene	50.000	54.688	-9.4	93	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.307	-8.6	94	0.00
55 T	1,1,2-Trichloroethane	50.000	53.633	-7.3	96	0.00
56 T	Ethyl methacrylate	50.000	55.981	-12.0	95	0.00
57 T	1,3-Dichloropropane	50.000	52.398	-4.8	96	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	288.517	-15.4	97	0.00
59 T	2-Hexanone	250.000	267.919	-7.2	94	0.00
60 T	Dibromochloromethane	50.000	55.684	-11.4	97	0.00
61 T	1,2-Dibromoethane	50.000	52.965	-5.9	94	0.00
62 S	4-Bromofluorobenzene	50.000	53.054	-6.1	100	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64 T	Tetrachloroethene	50.000	50.004	-0.0	91	0.00
65 PM	Chlorobenzene	50.000	50.098	-0.2	96	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.862	-1.7	94	0.00
67 C	Ethyl Benzene	50.000	51.859	-3.7#	95	0.00
68 T	m/p-Xylenes	100.000	104.178	-4.2	95	0.00
69 T	o-Xylene	50.000	52.176	-4.4	95	0.00
70 T	Styrene	50.000	54.916	-9.8	98	0.00
71 P	Bromoform	50.000	52.737	-5.5	93	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	53.491	-7.0	98	0.00
74 T	N-amyl acetate	50.000	51.677	-3.4	93	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.778	2.4	96	0.00
76 T	1,2,3-Trichloropropane	50.000	48.805	2.4	96	0.00
77 T	Bromobenzene	50.000	51.627	-3.3	97	0.00
78 T	n-propylbenzene	50.000	53.832	-7.7	97	0.00
79 T	2-Chlorotoluene	50.000	51.259	-2.5	97	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.804	-9.6	99	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.568	-1.1	94	0.00
82 T	4-Chlorotoluene	50.000	53.213	-6.4	97	0.00
83 T	tert-Butylbenzene	50.000	52.762	-5.5	97	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.296	-6.6	96	0.00
85 T	sec-Butylbenzene	50.000	54.429	-8.9	99	0.00
86 T	p-Isopropyltoluene	50.000	54.457	-8.9	98	0.00
87 T	1,3-Dichlorobenzene	50.000	52.131	-4.3	98	0.00
88 T	1,4-Dichlorobenzene	50.000	50.642	-1.3	97	0.00
89 T	n-Butylbenzene	50.000	55.679	-11.4	100	0.00
90 T	Hexachloroethane	50.000	53.107	-6.2	97	0.00
91 T	1,2-Dichlorobenzene	50.000	51.786	-3.6	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.054	-4.1	94	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.791	-7.6	101	0.00
94 T	Hexachlorobutadiene	50.000	52.668	-5.3	99	0.00
95 T	Naphthalene	50.000	52.084	-4.2	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046181.D
Acq On : 14 May 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 15 01:16:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.661	-7.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



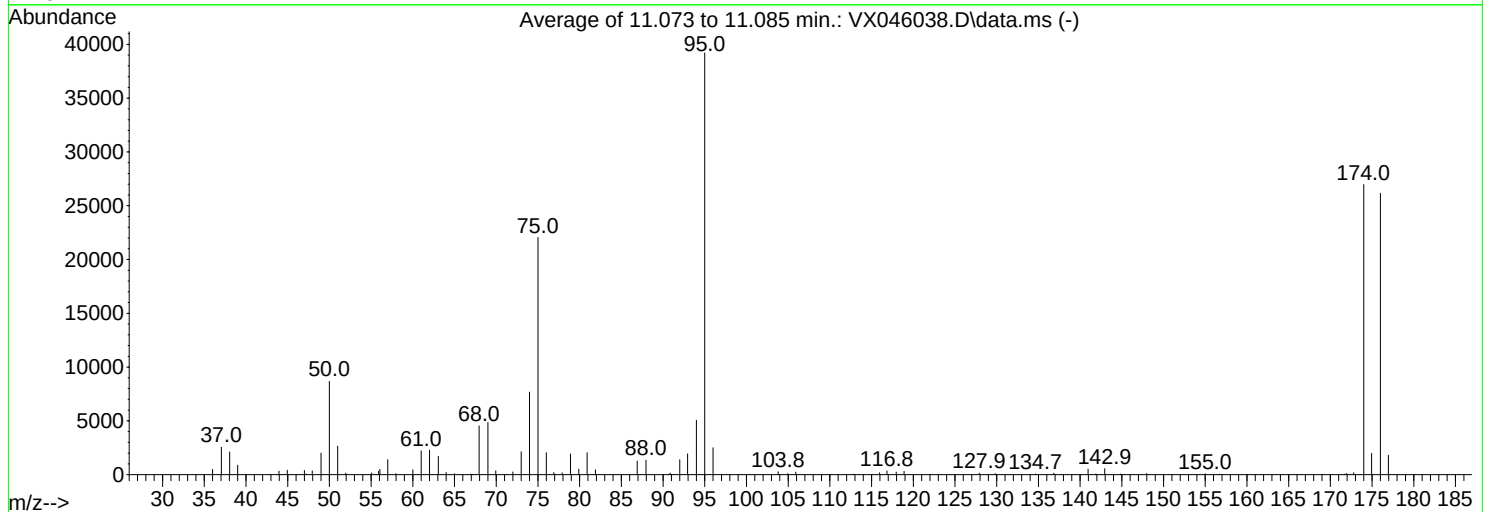
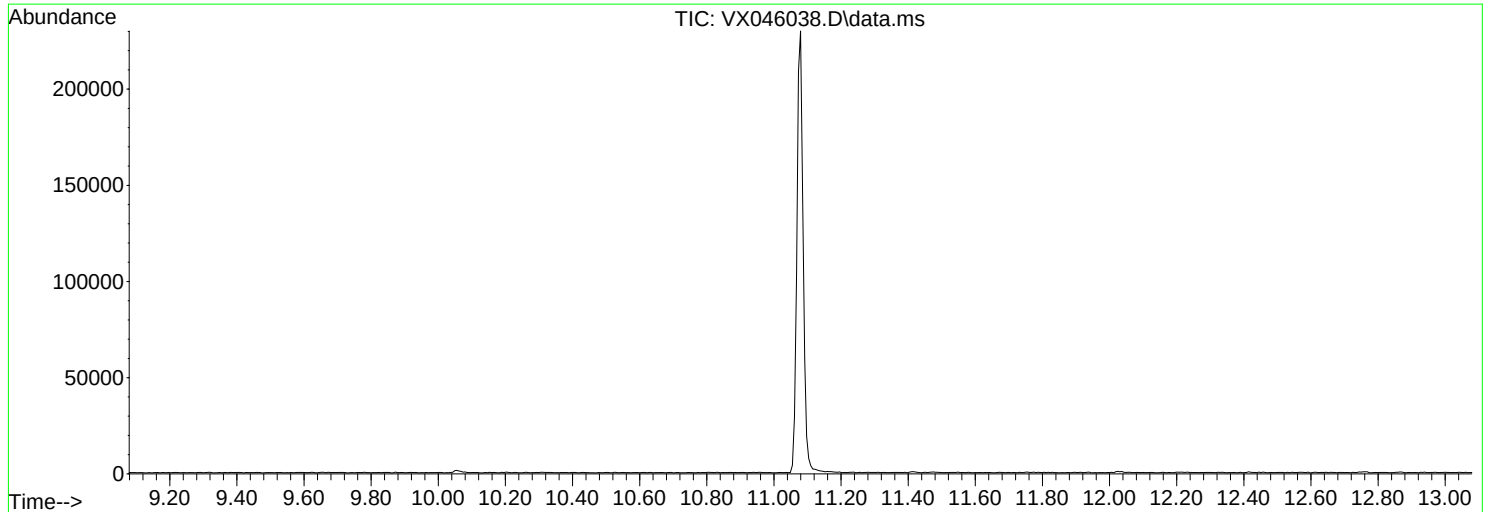
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046038.D
Acq On : 05 May 2025 09:37
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

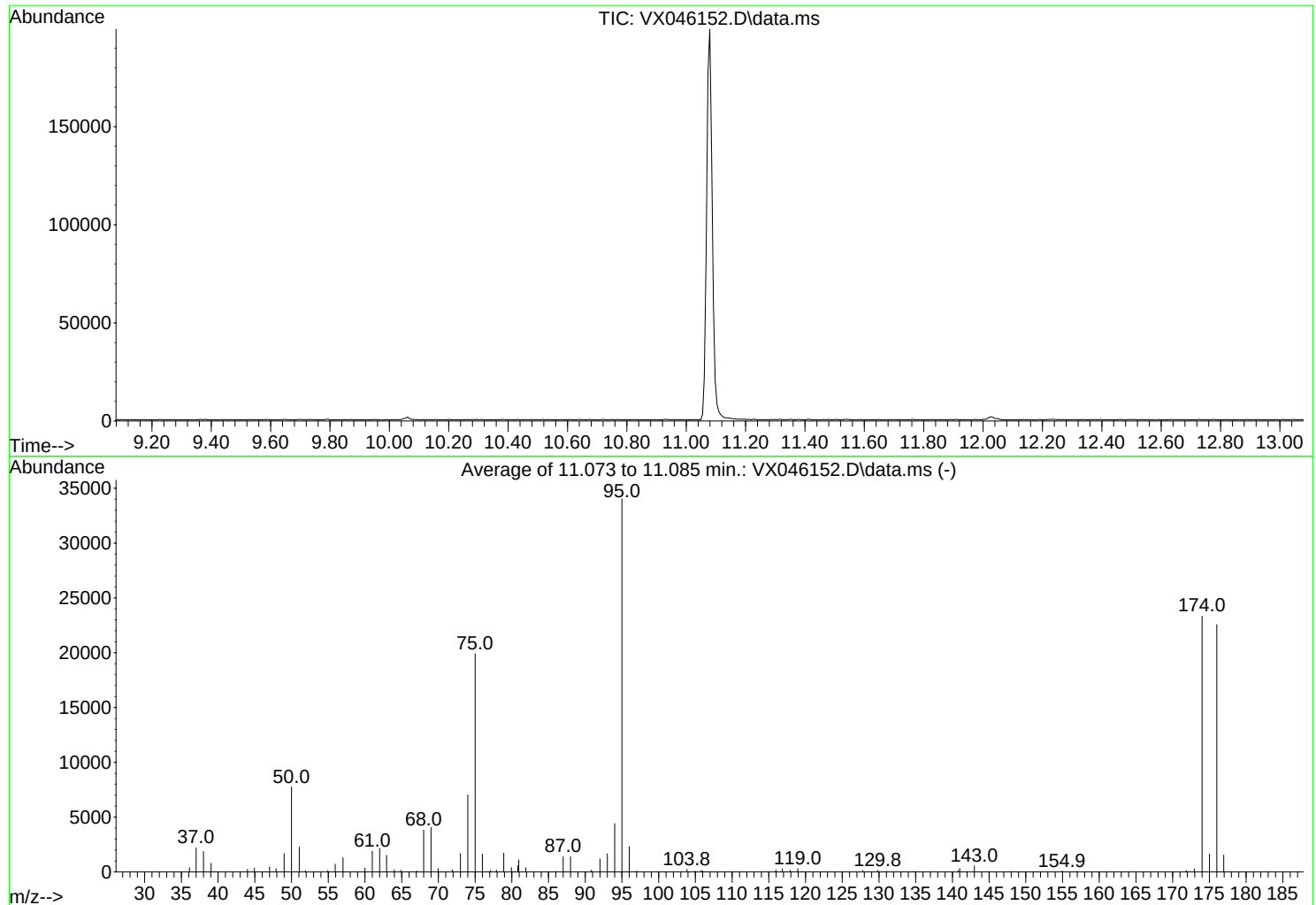
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	8676	PASS
75	95	30	60	56.2	22052	PASS
95	95	100	100	100.0	39213	PASS
96	95	5	9	6.4	2505	PASS
173	174	0.00	2	0.7	185	PASS
174	95	50	100	68.8	26963	PASS
175	174	5	9	7.3	1980	PASS
176	174	95	101	97.0	26147	PASS
177	176	5	9	6.9	1802	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046152.D
Acq On : 13 May 2025 09:29
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

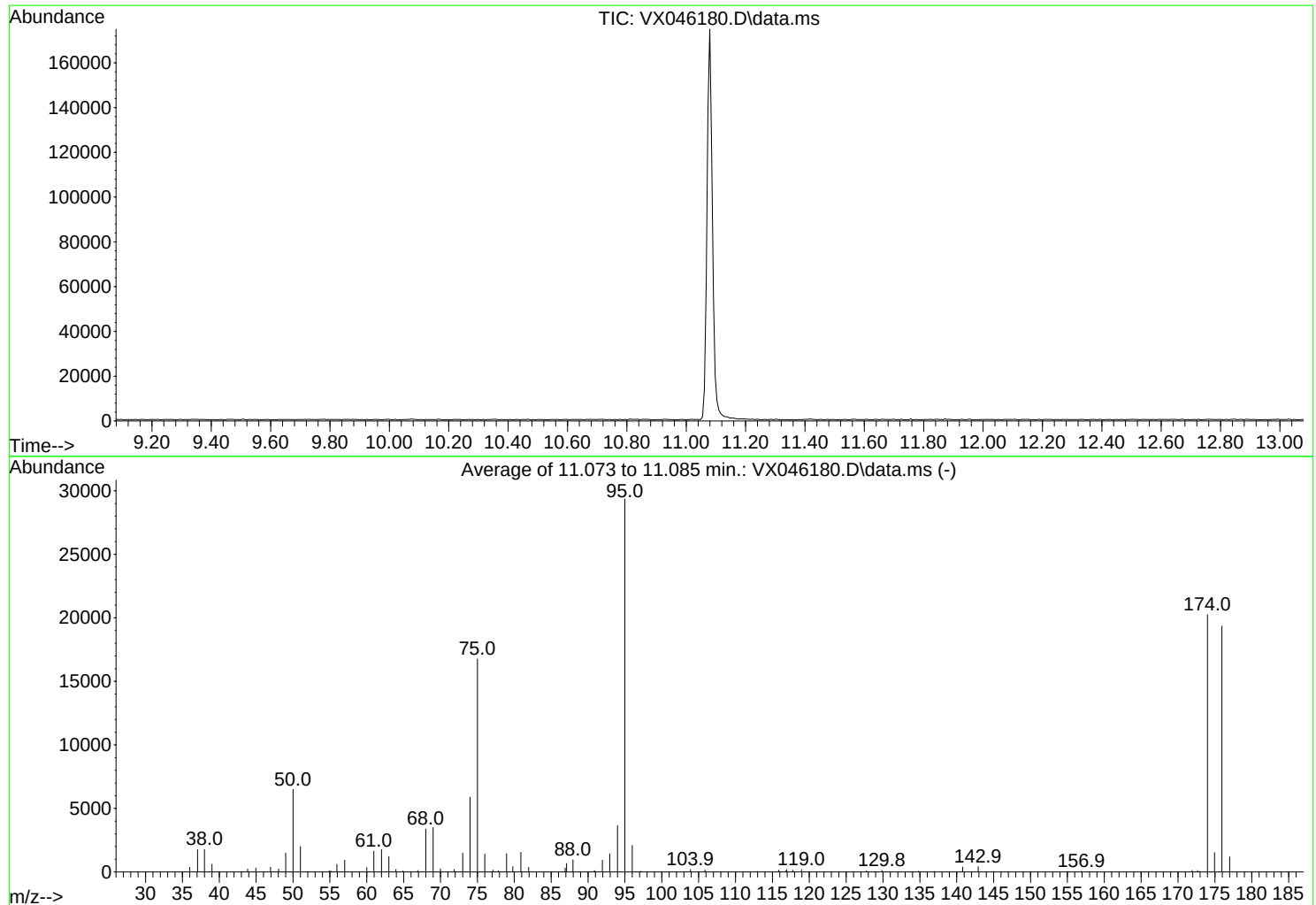
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	22.8	7764	PASS
75	95	30	60	58.5	19919	PASS
95	95	100	100	100.0	34040	PASS
96	95	5	9	6.8	2313	PASS
173	174	0.00	2	1.3	300	PASS
174	95	50	100	68.6	23352	PASS
175	174	5	9	7.0	1623	PASS
176	174	95	101	96.7	22576	PASS
177	176	5	9	6.9	1554	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046180.D
Acq On : 14 May 2025 09:29
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	6493	PASS
75	95	30	60	57.1	16768	PASS
95	95	100	100	100.0	29365	PASS
96	95	5	9	7.1	2092	PASS
173	174	0.00	2	0.3	55	PASS
174	95	50	100	69.0	20256	PASS
175	174	5	9	7.5	1526	PASS
176	174	95	101	95.5	19353	PASS
177	176	5	9	6.2	1196	PASS

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VX0513WBL01	SDG No.:	Q2001
Lab Sample ID:	VX0513WBL01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046155.D	1		05/13/25 10:52	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	67300	5.55			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	52700	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046155.D
 Acq On : 13 May 2025 10:52
 Operator : JC/MD
 Sample : VX0513WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBL01

Quant Time: May 14 01:35:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	67277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133345	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52712	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67481	53.801	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.600%
35) Dibromofluoromethane	5.379	113	49414	51.461	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.920%
50) Toluene-d8	8.647	98	167575	50.422	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.840%
62) 4-Bromofluorobenzene	11.079	95	63997	50.200	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.400%

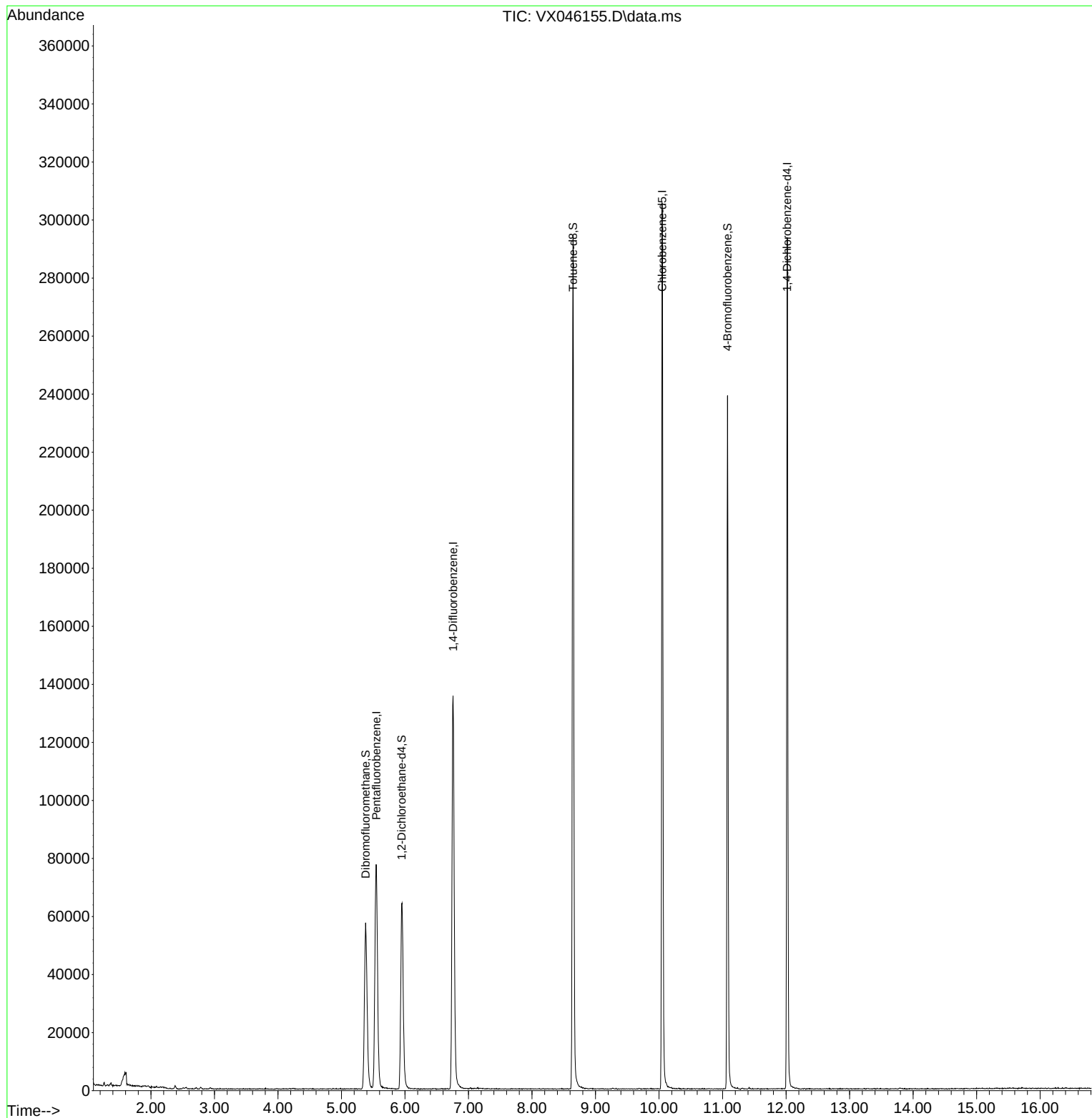
Target Compounds	Qvalue

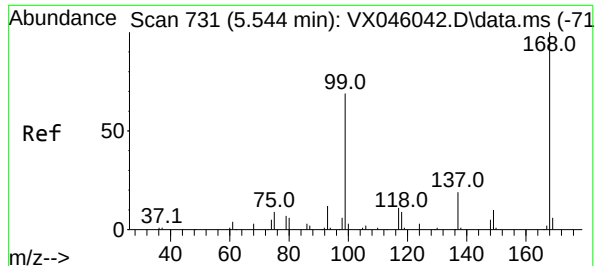
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046155.D
Acq On : 13 May 2025 10:52
Operator : JC/MD
Sample : VX0513WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

Quant Time: May 14 01:35:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

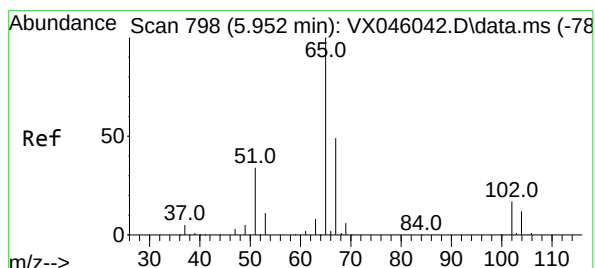
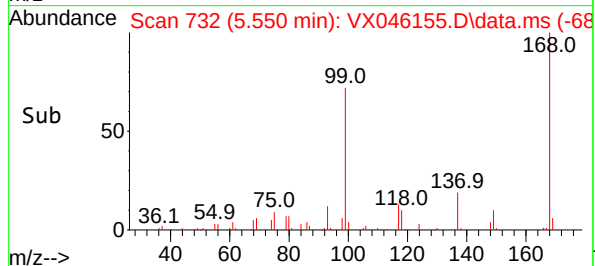
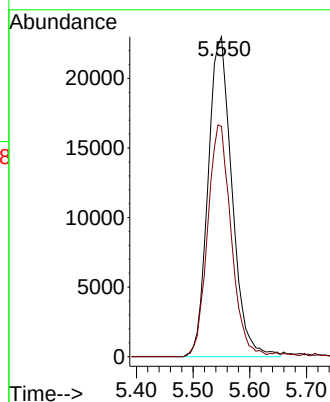
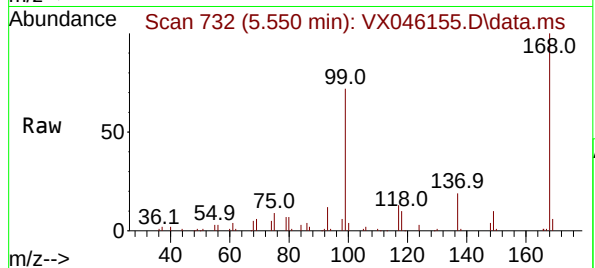




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046155.D
Acq: 13 May 2025 10:52

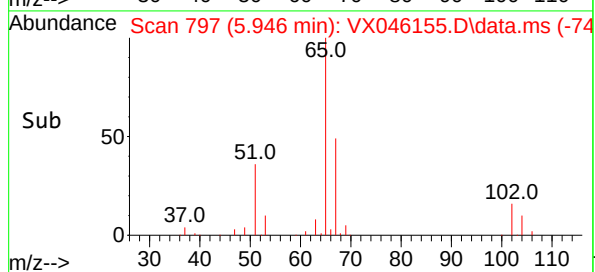
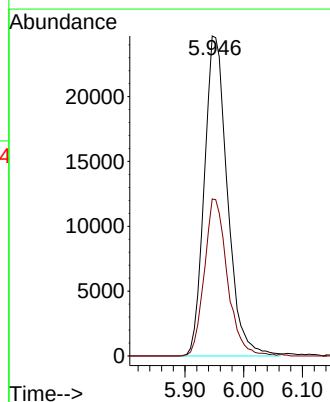
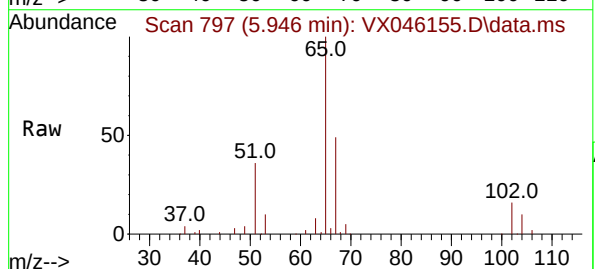
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

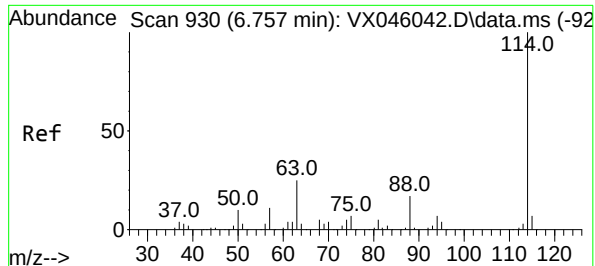
Tgt Ion:168 Resp: 67277
Ion Ratio Lower Upper
168 100
99 72.0 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 53.801 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046155.D
Acq: 13 May 2025 10:52

Tgt Ion: 65 Resp: 67481
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046155.D

Acq: 13 May 2025 10:52

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBL01

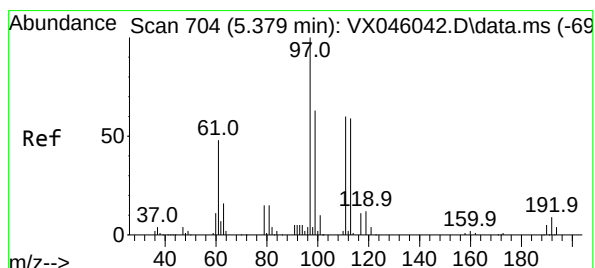
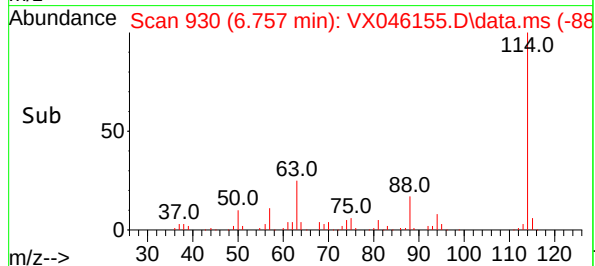
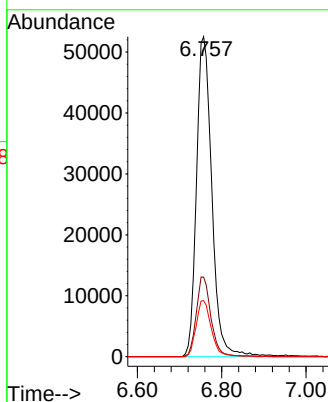
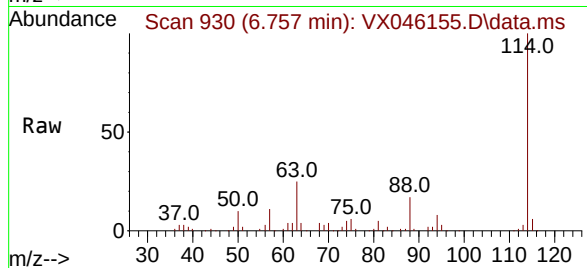
Tgt Ion:114 Resp: 133345

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

88 17.5 0.0 33.6



#35

Dibromofluoromethane

Concen: 51.461 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046155.D

Acq: 13 May 2025 10:52

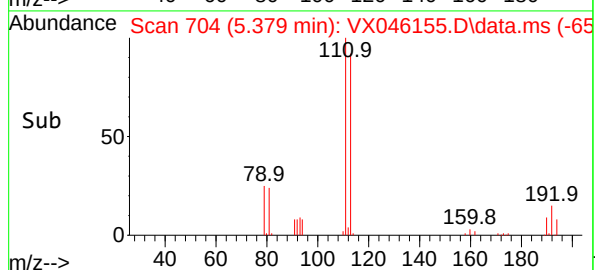
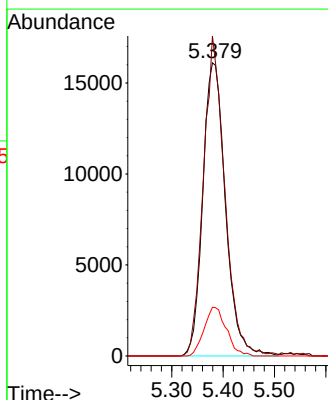
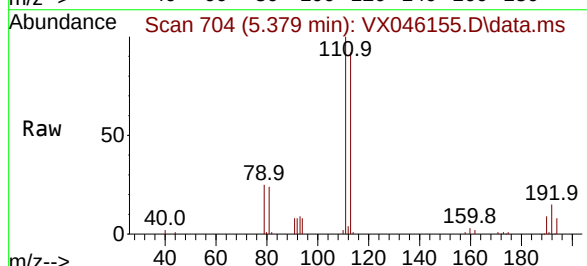
Tgt Ion:113 Resp: 49414

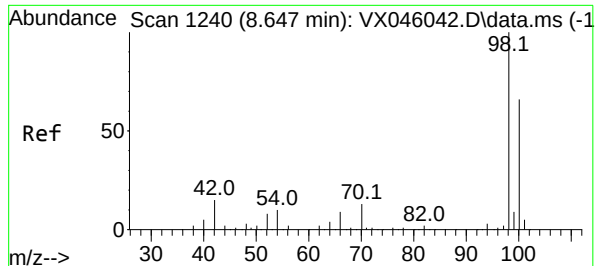
Ion Ratio Lower Upper

113 100

111 102.3 83.1 124.7

192 16.3 13.3 19.9

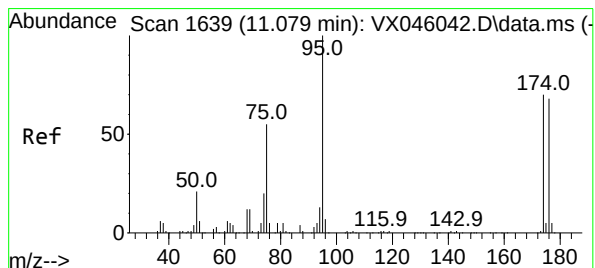
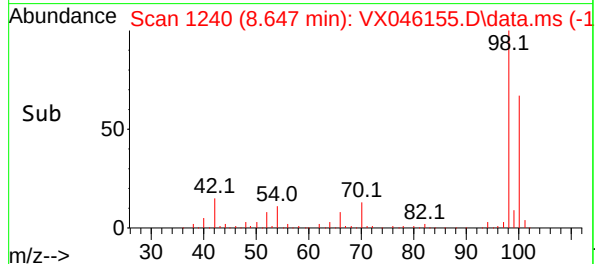
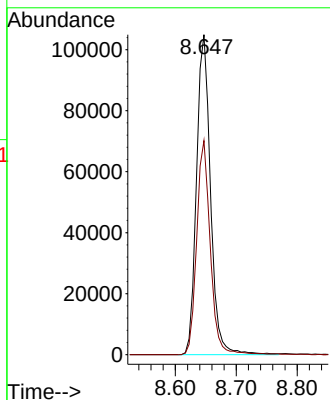
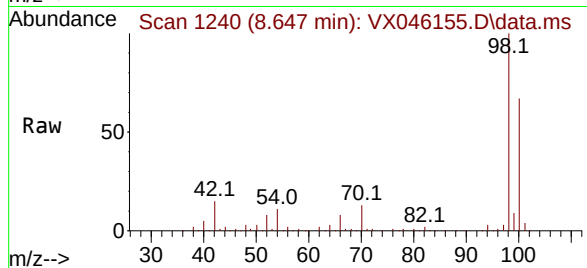




#50
Toluene-d8
Concen: 50.422 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046155.D
Acq: 13 May 2025 10:52

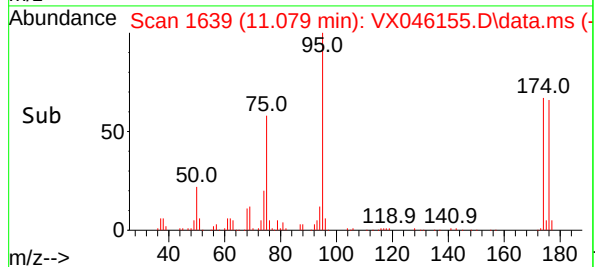
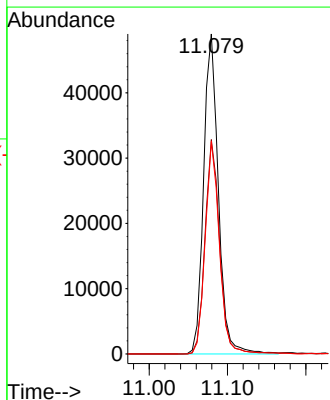
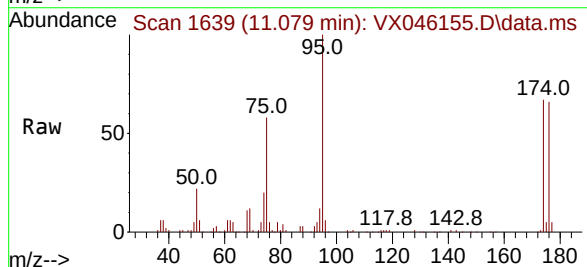
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL01

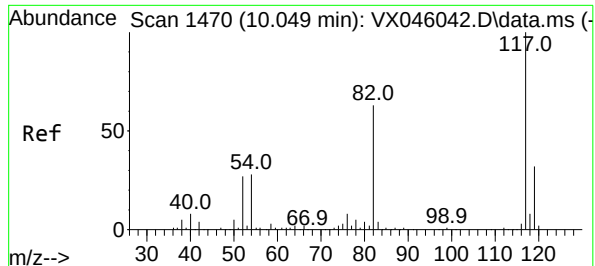
Tgt Ion: 98 Resp: 167575
Ion Ratio Lower Upper
98 100
100 64.8 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 50.200 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046155.D
Acq: 13 May 2025 10:52

Tgt Ion: 95 Resp: 63997
Ion Ratio Lower Upper
95 100
174 66.6 0.0 135.8
176 64.1 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX046155.D

Acq: 13 May 2025 10:52

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBL01

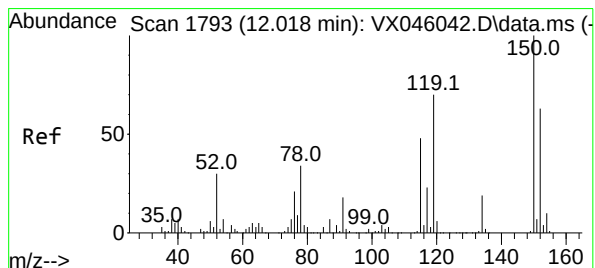
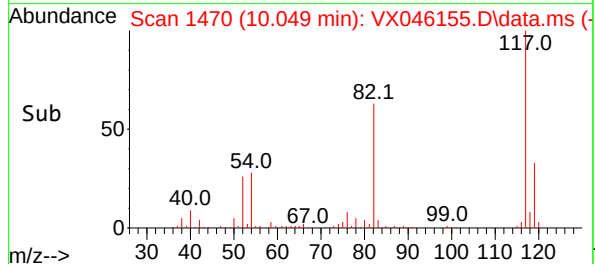
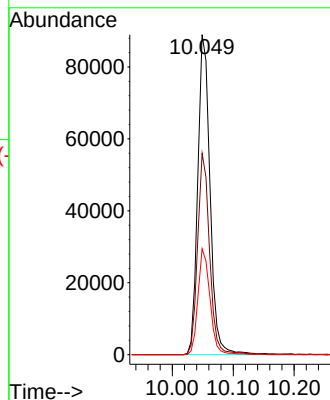
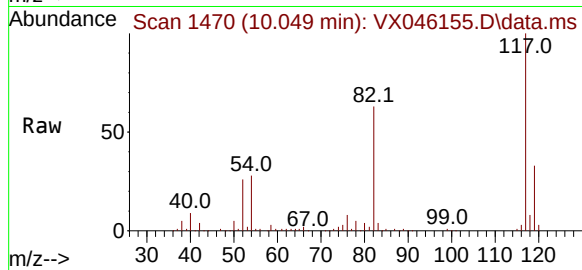
Tgt Ion:117 Resp: 124650

Ion Ratio Lower Upper

117 100

82 62.9 50.6 76.0

119 33.1 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX046155.D

Acq: 13 May 2025 10:52

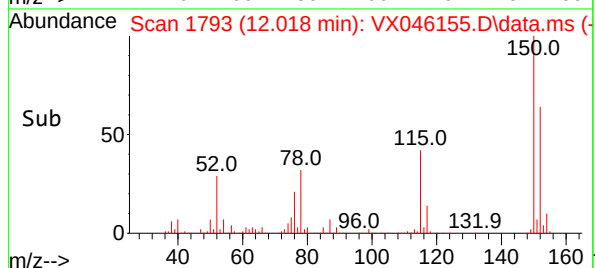
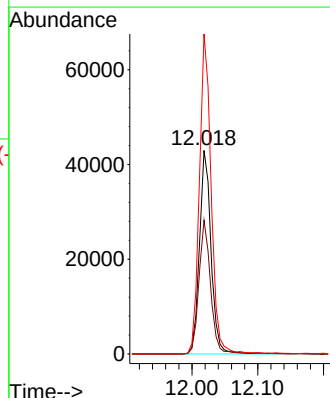
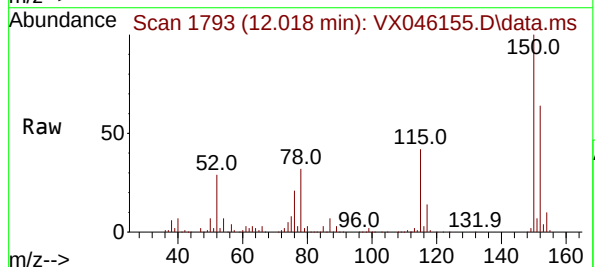
Tgt Ion:152 Resp: 52712

Ion Ratio Lower Upper

152 100

115 65.3 46.9 140.7

150 158.4 0.0 351.0



Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	
Client Sample ID:	VX0514WBL01			SDG No.:	Q2001
Lab Sample ID:	VX0514WBL01			Matrix:	TCLP
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	TCLP VOA
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046183.D	1		05/14/25 10:50	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66100	5.55			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	124000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	54700	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046183.D
Acq On : 14 May 2025 10:50
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Quant Time: May 15 01:18:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	66143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133003	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54666	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	66199	53.684	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.360%
35) Dibromofluoromethane	5.379	113	49039	51.202	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.400%
50) Toluene-d8	8.647	98	165941	50.058	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.120%
62) 4-Bromofluorobenzene	11.079	95	64922	51.057	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.120%

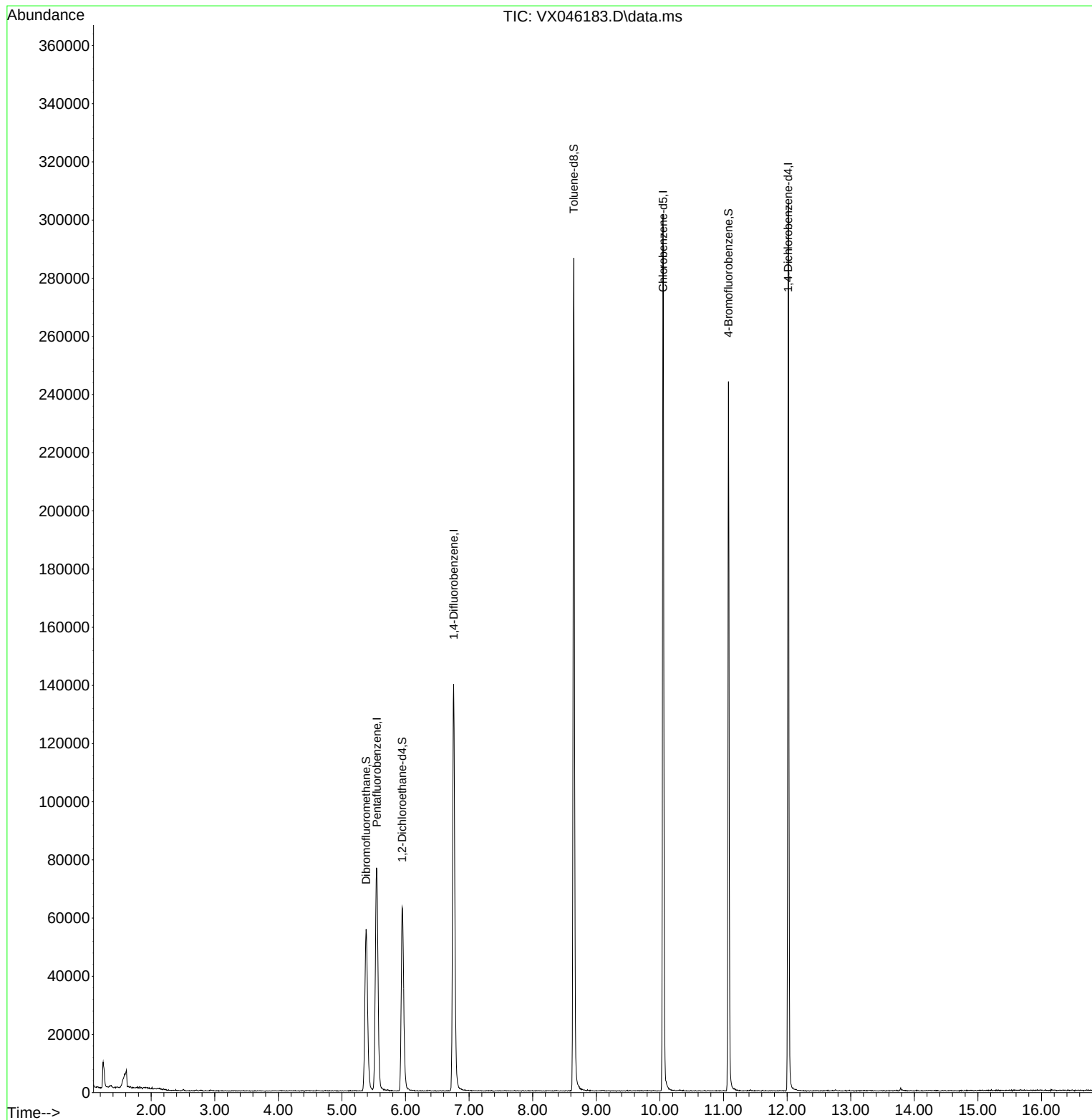
Target Compounds	Qvalue

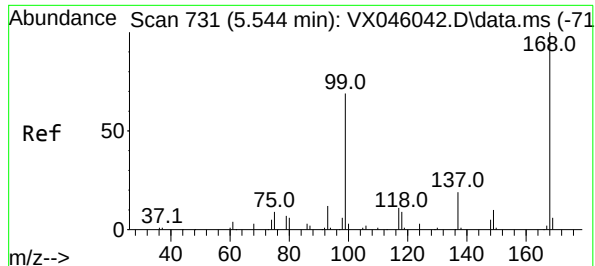
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046183.D
Acq On : 14 May 2025 10:50
Operator : JC/MD
Sample : VX0514WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Quant Time: May 15 01:18:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

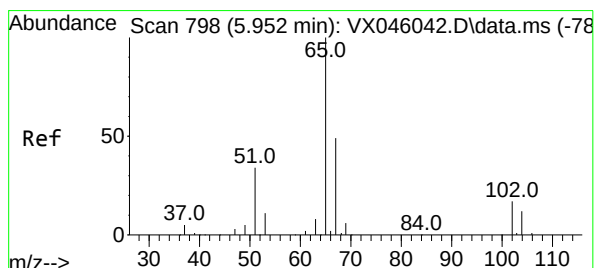
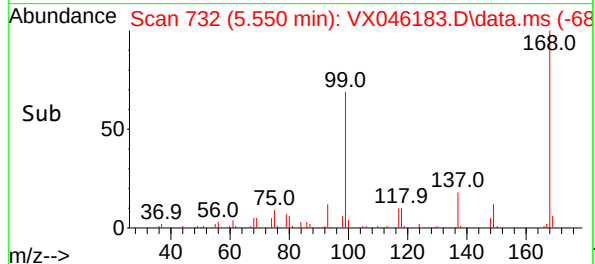
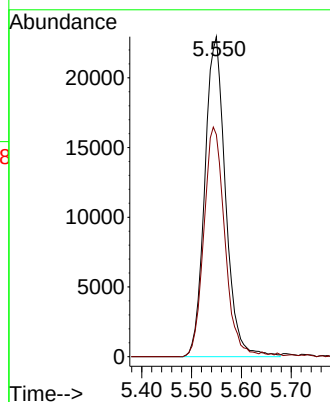
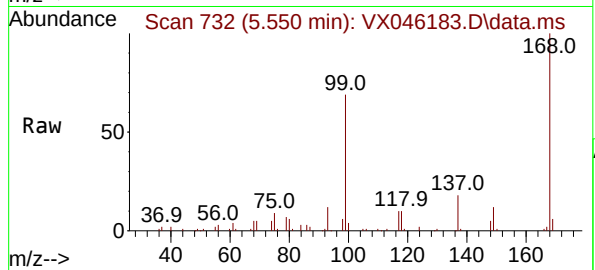




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

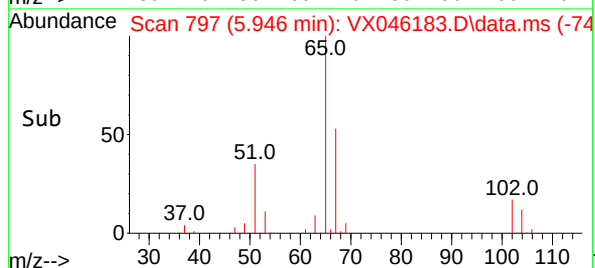
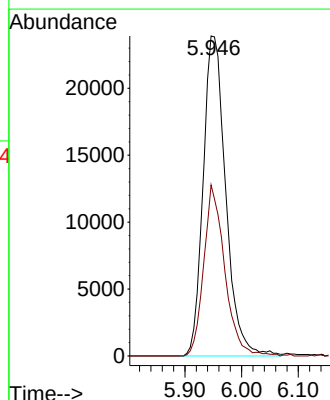
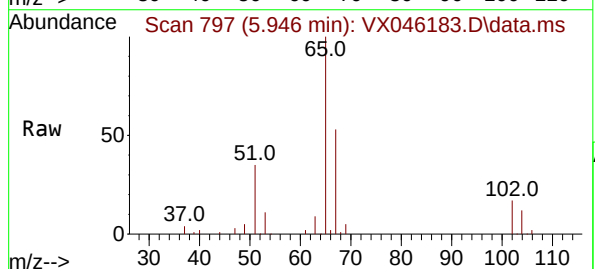
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

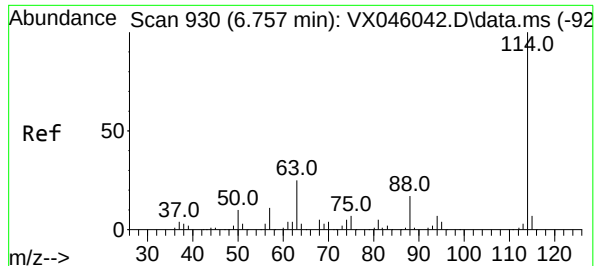
Tgt Ion:168 Resp: 66143
Ion Ratio Lower Upper
168 100
99 69.4 54.9 82.3



#33
1,2-Dichloroethane-d4
Concen: 53.684 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

Tgt Ion: 65 Resp: 66199
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046183.D

Acq: 14 May 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBL01

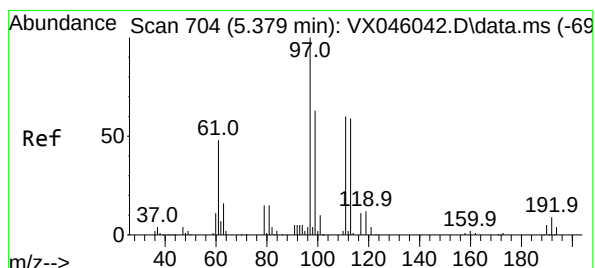
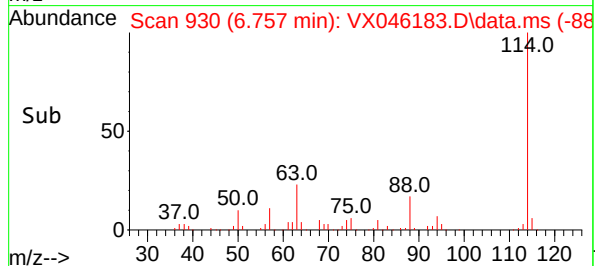
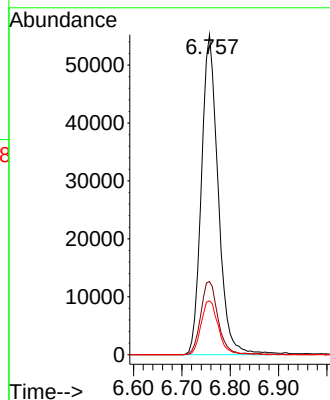
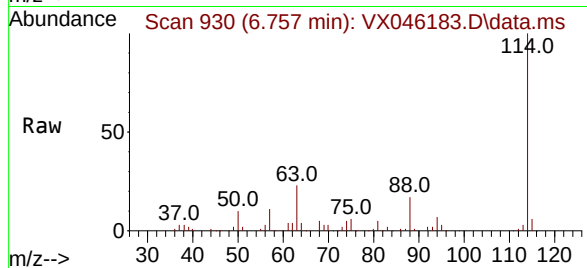
Tgt Ion:114 Resp: 133003

Ion Ratio Lower Upper

114 100

63 22.9 0.0 49.2

88 16.8 0.0 33.6



#35

Dibromofluoromethane

Concen: 51.202 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046183.D

Acq: 14 May 2025 10:50

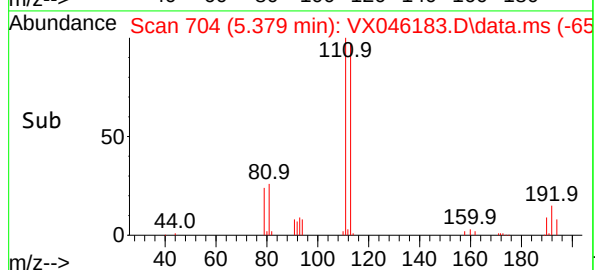
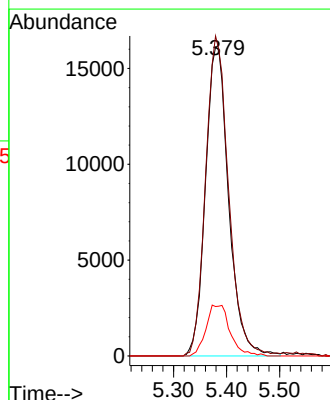
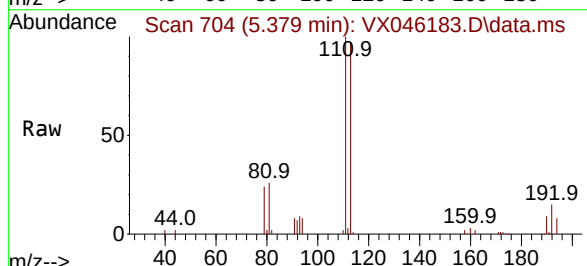
Tgt Ion:113 Resp: 49039

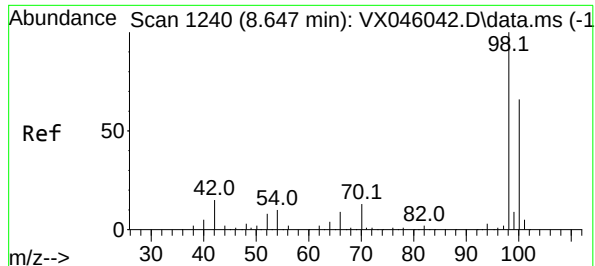
Ion Ratio Lower Upper

113 100

111 102.4 83.1 124.7

192 17.0 13.3 19.9





#50

Toluene-d8

Concen: 50.058 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046183.D

Acq: 14 May 2025 10:50

Instrument :

MSVOA_X

ClientSampleId :

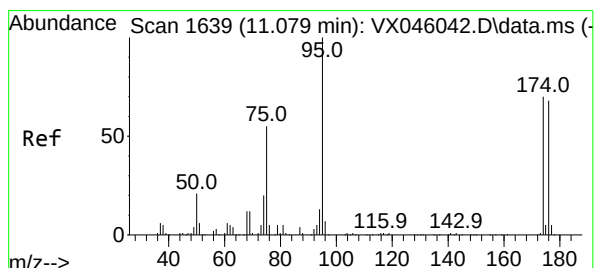
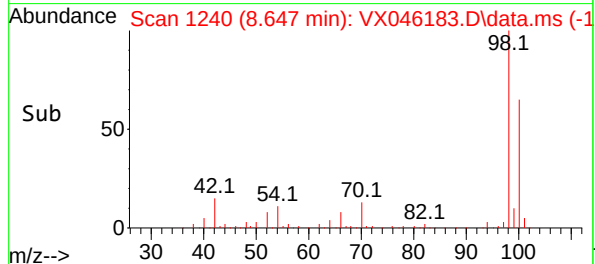
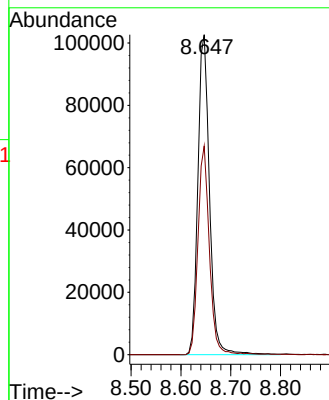
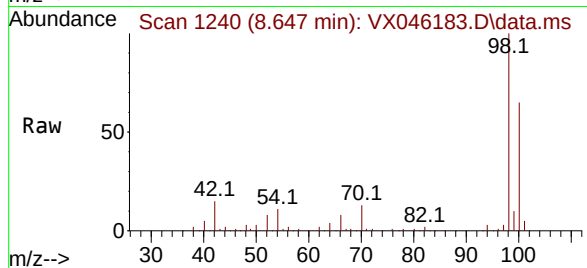
VX0514WBL01

Tgt Ion: 98 Resp: 165941

Ion Ratio Lower Upper

98 100

100 64.1 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 51.057 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046183.D

Acq: 14 May 2025 10:50

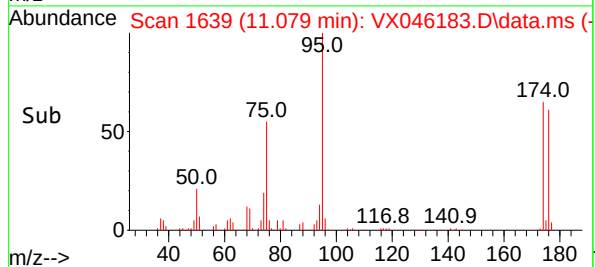
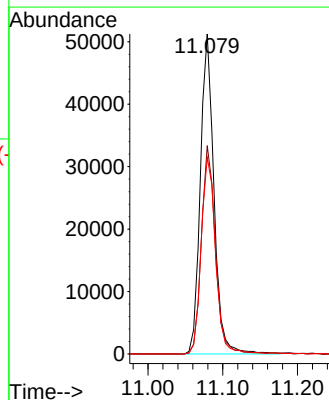
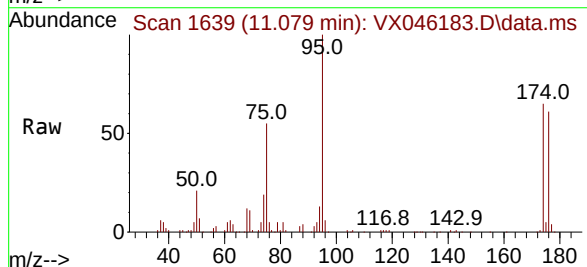
Tgt Ion: 95 Resp: 64922

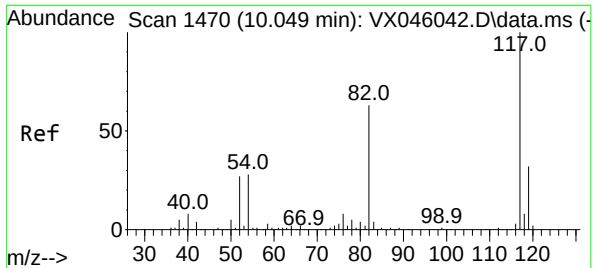
Ion Ratio Lower Upper

95 100

174 66.9 0.0 135.8

176 64.8 0.0 131.4

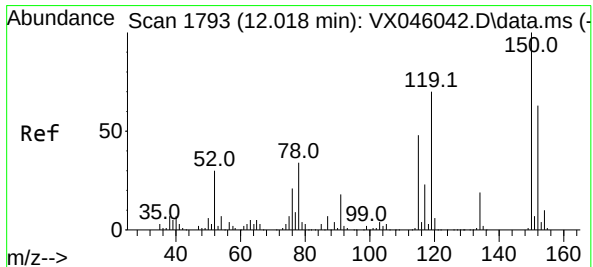
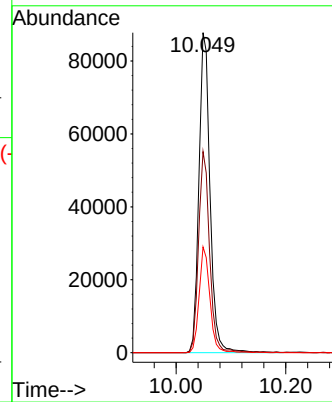
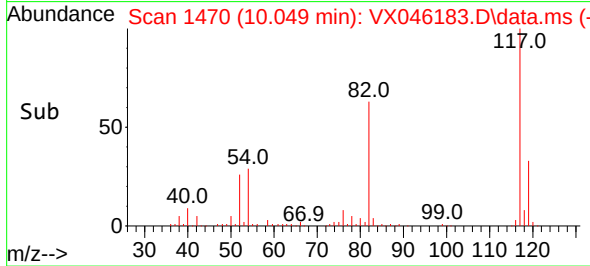
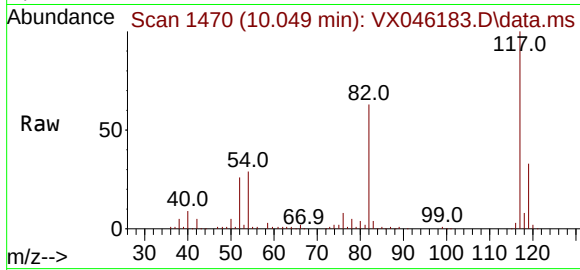




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

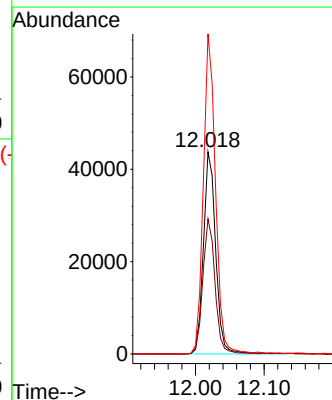
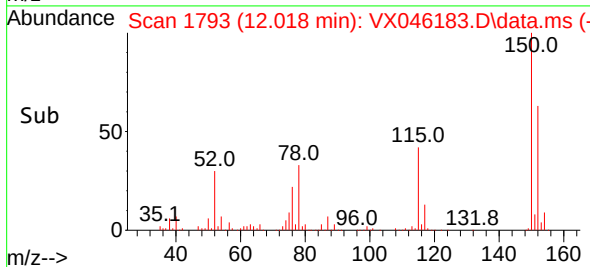
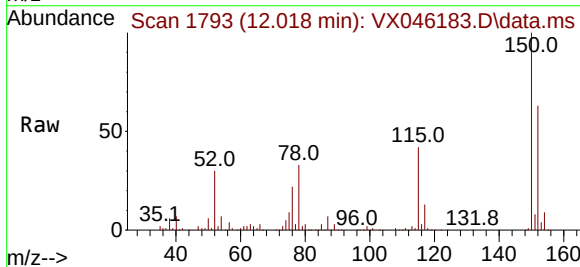
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.8	50.6	76.0
119	33.1	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046183.D
Acq: 14 May 2025 10:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.4	46.9	140.7
150	156.1	0.0	351.0



Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VX0513WBS01	SDG No.:	Q2001
Lab Sample ID:	VX0513WBS01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046158.D	1		05/13/25 12:02	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.0		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.23	1.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	1.00	ug/L
67-66-3	Chloroform	21.0		0.25	1.00	ug/L
71-43-2	Benzene	20.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.0		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	20.1		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.7		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	89400	5.544			
540-36-3	1,4-Difluorobenzene	161000	6.757			
3114-55-4	Chlorobenzene-d5	140000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	64300	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046158.D
 Acq On : 13 May 2025 12:02
 Operator : JC/MD
 Sample : VX0513WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:36:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	89387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160585	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85824	51.501	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.000%			
35) Dibromofluoromethane	5.379	113	58619	50.692	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.380%			
50) Toluene-d8	8.647	98	200032	49.978	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.960%			
62) 4-Bromofluorobenzene	11.079	95	75677	49.293	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	27952	20.431	ug/l	99
3) Chloromethane	1.307	50	26480	19.959	ug/l	96
4) Vinyl Chloride	1.374	62	23484	19.019	ug/l	93
5) Bromomethane	1.593	94	10955	19.128	ug/l	94
6) Chloroethane	1.672	64	13846	21.005	ug/l	94
7) Trichlorofluoromethane	1.874	101	36765	20.146	ug/l	99
8) Diethyl Ether	2.136	74	12331	19.849	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	23297	20.629	ug/l	98
10) Methyl Iodide	2.447	142	24059	18.004	ug/l	100
11) Tert butyl alcohol	2.971	59	23811	101.791	ug/l	99
12) 1,1-Dichloroethene	2.313	96	20042	18.909	ug/l	93
13) Acrolein	2.233	56	34142	128.161	ug/l	96
14) Allyl chloride	2.654	41	40337	19.913	ug/l	96
15) Acrylonitrile	3.062	53	68205	101.969	ug/l	97
16) Acetone	2.386	43	66592	99.663	ug/l	98
17) Carbon Disulfide	2.502	76	44106	17.552	ug/l	99
18) Methyl Acetate	2.703	43	33890	21.857	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	73956	19.902	ug/l	98
20) Methylene Chloride	2.782	84	24173	18.879	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	20886	19.595	ug/l	99
22) Diisopropyl ether	3.757	45	80410	20.550	ug/l	91
23) Vinyl Acetate	3.721	43	342791	99.605	ug/l	100
24) 1,1-Dichloroethane	3.605	63	45109	20.698	ug/l	99
25) 2-Butanone	4.556	43	99596	102.672	ug/l	98
26) 2,2-Dichloropropane	4.471	77	31303	18.351	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	25631	19.975	ug/l	99
28) Bromochloromethane	4.891	49	24130	23.002	ug/l	98
29) Tetrahydrofuran	5.007	42	62866	103.423	ug/l	99
30) Chloroform	5.086	83	47728	21.011	ug/l	98
31) Cyclohexane	5.464	56	38655	19.464	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	39722	20.172	ug/l	99
36) 1,1-Dichloropropene	5.684	75	29635	19.074	ug/l	99
37) Ethyl Acetate	4.721	43	38117	19.857	ug/l	98
38) Carbon Tetrachloride	5.666	117	33949	19.447	ug/l	99
39) Methylcyclohexane	7.379	83	36172	18.083	ug/l	99
40) Benzene	6.038	78	90872	19.968	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046158.D
 Acq On : 13 May 2025 12:02
 Operator : JC/MD
 Sample : VX0513WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:36:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21351	21.262	ug/l	99
42) 1,2-Dichloroethane	6.086	62	39742	20.234	ug/l	100
43) Isopropyl Acetate	6.342	43	56227	19.200	ug/l	100
44) Trichloroethene	7.123	130	20762	18.955	ug/l	99
45) 1,2-Dichloropropane	7.428	63	22765	20.117	ug/l	98
46) Dibromomethane	7.580	93	17712	19.845	ug/l	99
47) Bromodichloromethane	7.818	83	35560	20.229	ug/l	100
48) Methyl methacrylate	7.690	41	29941	20.019	ug/l	99
49) 1,4-Dioxane	7.659	88	11975	421.693	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	193351	99.466	ug/l	99
52) Toluene	8.714	92	55198	19.780	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	29751	19.041	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	33119	19.178	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	22155	20.135	ug/l	98
56) Ethyl methacrylate	9.116	69	35859	20.448	ug/l	97
57) 1,3-Dichloropropane	9.305	76	39143	19.808	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	94573	105.779	ug/l	100
59) 2-Hexanone	9.427	43	147202	102.355	ug/l	100
60) Dibromochloromethane	9.519	129	24008	19.867	ug/l	100
61) 1,2-Dibromoethane	9.604	107	22444	19.625	ug/l	98
64) Tetrachloroethene	9.269	164	19937	20.132	ug/l	96
65) Chlorobenzene	10.079	112	60473	19.740	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	20391	19.493	ug/l	99
67) Ethyl Benzene	10.189	91	105309	19.502	ug/l	99
68) m/p-Xylenes	10.299	106	76744	38.857	ug/l	98
69) o-Xylene	10.640	106	37747	19.604	ug/l	94
70) Styrene	10.653	104	63297	20.068	ug/l	98
71) Bromoform	10.799	173	15044	19.155	ug/l #	97
73) Isopropylbenzene	10.957	105	102305	20.447	ug/l	100
74) N-amyl acetate	10.842	43	48907	19.781	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	35099	20.018	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30566m	19.759	ug/l	
77) Bromobenzene	11.195	156	22767	19.599	ug/l	98
78) n-propylbenzene	11.299	91	115599	19.870	ug/l	99
79) 2-Chlorotoluene	11.360	91	75050	20.000	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	86702	20.742	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8058	16.959	ug/l	89
82) 4-Chlorotoluene	11.451	91	83255	20.007	ug/l	99
83) tert-Butylbenzene	11.713	119	83637	19.864	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	87926	20.771	ug/l	100
85) sec-Butylbenzene	11.890	105	104073	20.131	ug/l	100
86) p-Isopropyltoluene	12.006	119	86044	20.164	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41868	19.749	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	42098	19.444	ug/l	97
89) n-Butylbenzene	12.329	91	71304	19.049	ug/l	99
90) Hexachloroethane	12.536	117	14801	19.688	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	43655	20.520	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7903	20.346	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	22708	18.584	ug/l	99
94) Hexachlorobutadiene	13.725	225	10428	19.541	ug/l	98
95) Naphthalene	13.774	128	83959	18.735	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23788	18.868	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046158.D
Acq On : 13 May 2025 12:02
Operator : JC/MD
Sample : VX0513WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:36:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

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

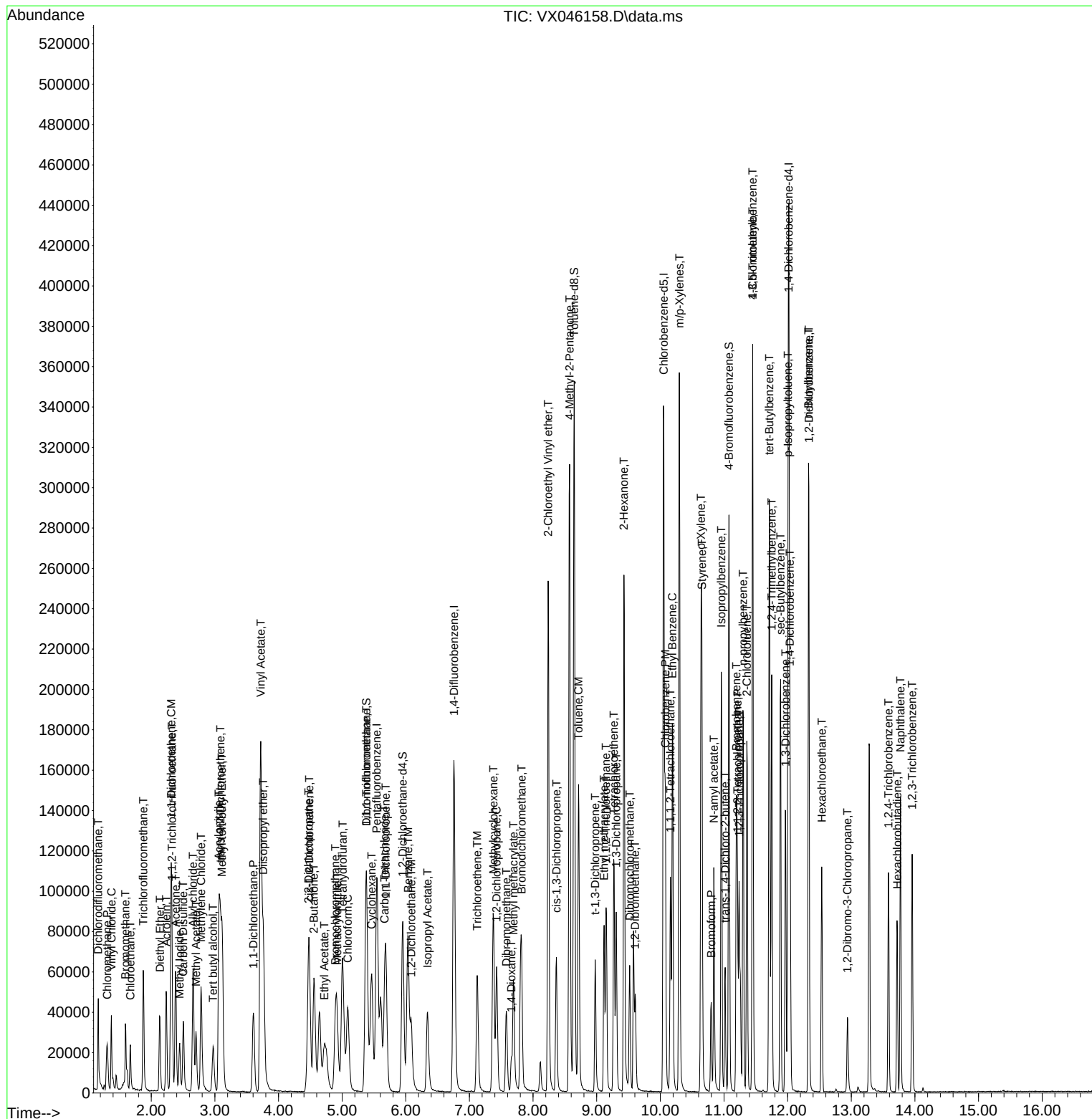
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Data File : VX046158.D
Acq On : 13 May 2025 12:02
Operator : JC/MD
Sample : VX0513WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

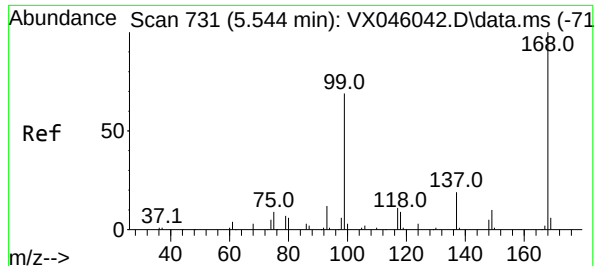
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:36:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration





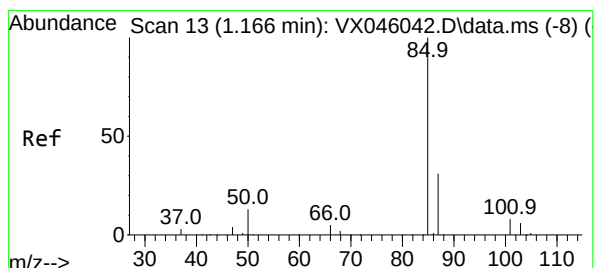
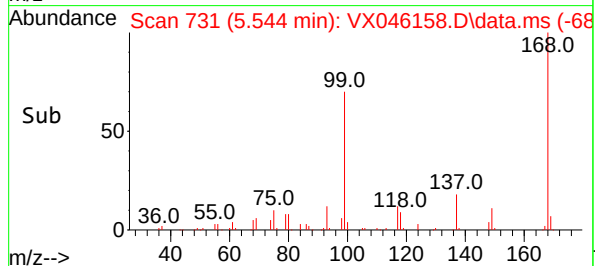
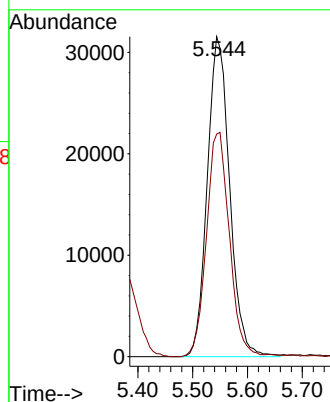
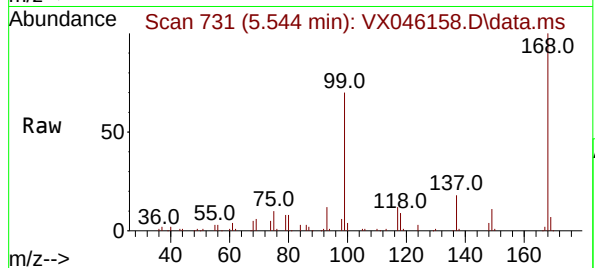
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tgt Ion:168 Resp: 8938
Ion Ratio Lower Upper
168 100
99 69.5 54.9 82.3

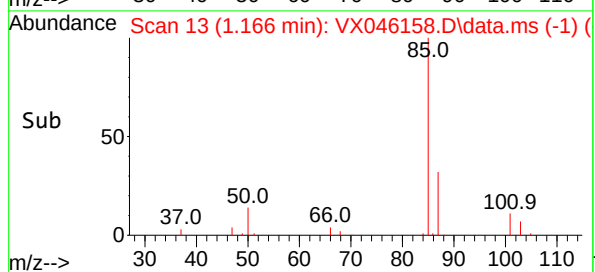
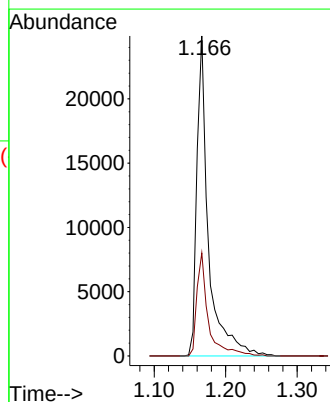
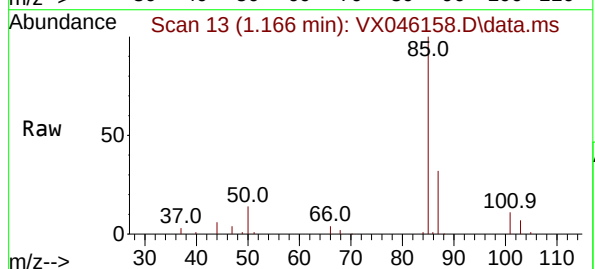
Manual Integrations
APPROVED

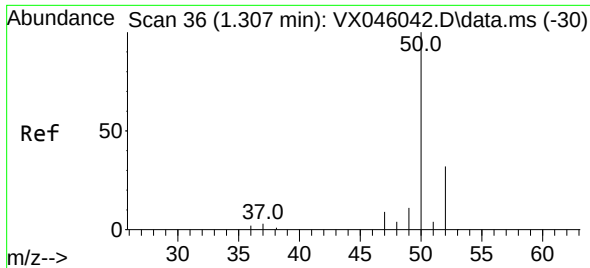
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#2
Dichlorodifluoromethane
Concen: 20.431 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

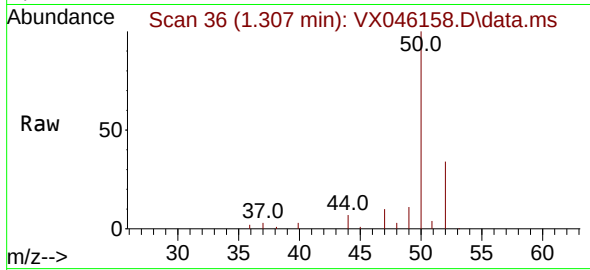
Tgt Ion: 85 Resp: 27952
Ion Ratio Lower Upper
85 100
87 32.2 15.7 47.1





#3
Chloromethane
Concen: 19.959 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

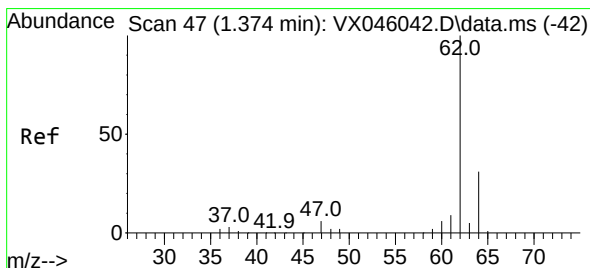
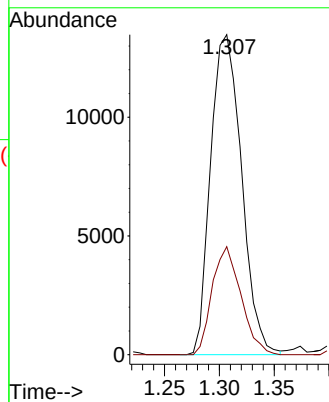
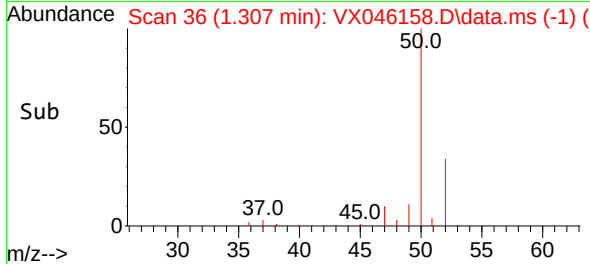
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion: 50 Resp: 26480
Ion Ratio Lower Upper
50 100
52 33.8 25.4 38.2

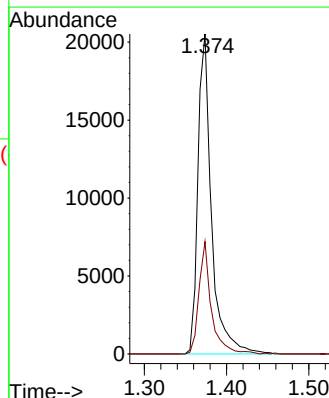
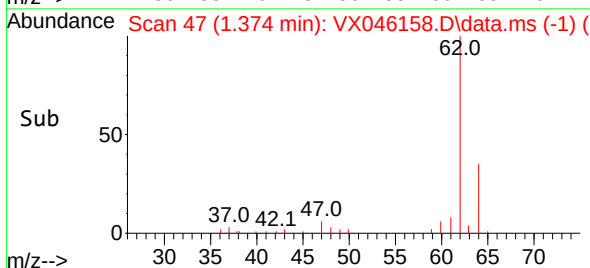
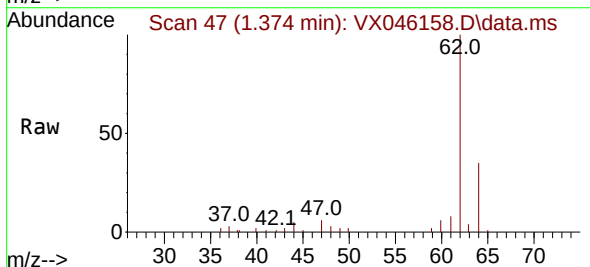
Manual Integrations
APPROVED

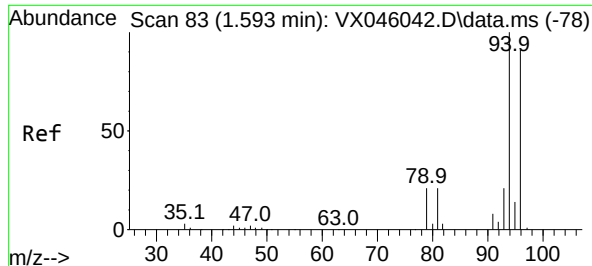
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#4
Vinyl Chloride
Concen: 19.019 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

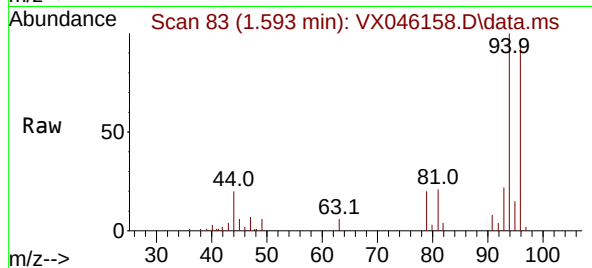
Tgt Ion: 62 Resp: 23484
Ion Ratio Lower Upper
62 100
64 35.1 25.2 37.8





#5
Bromomethane
Concen: 19.128 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

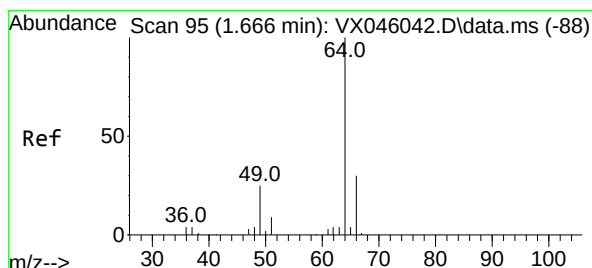
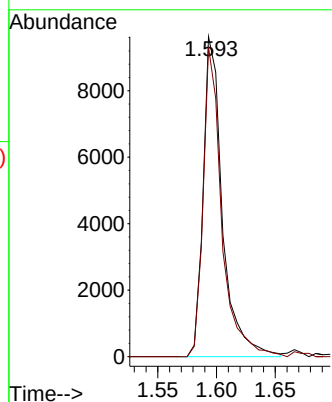
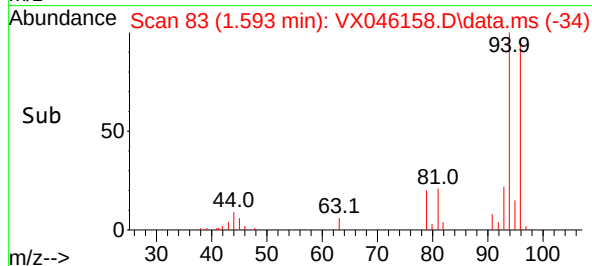
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion: 94 Resp: 1095
Ion Ratio Lower Upper
94 100
96 96.7 72.8 109.2

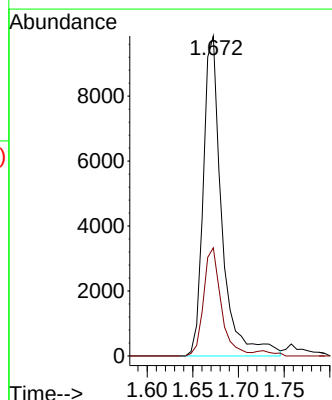
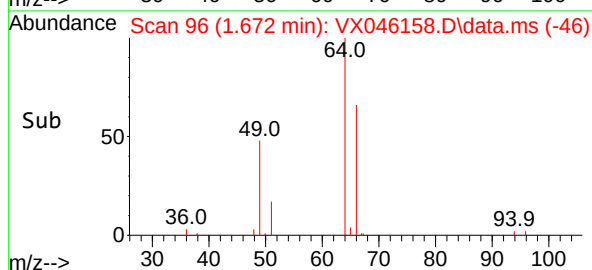
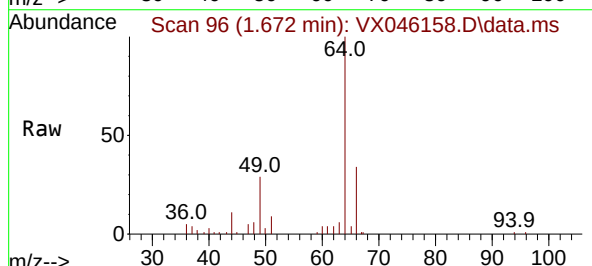
Manual Integrations
APPROVED

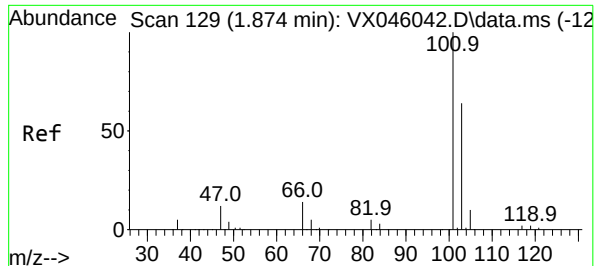
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#6
Chloroethane
Concen: 21.005 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

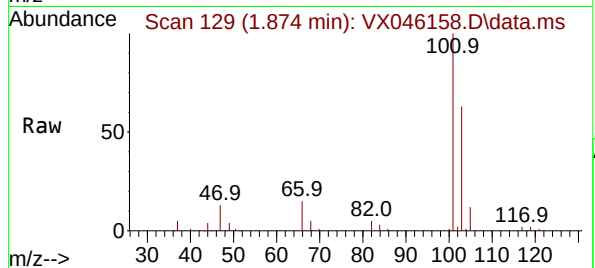
Tgt Ion: 64 Resp: 13846
Ion Ratio Lower Upper
64 100
66 33.8 24.3 36.5





#7
Trichlorofluoromethane
Concen: 20.146 ug/l
RT: 1.874 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

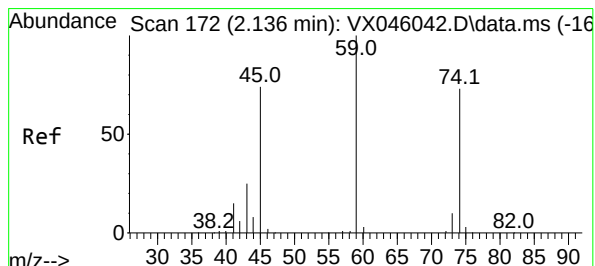
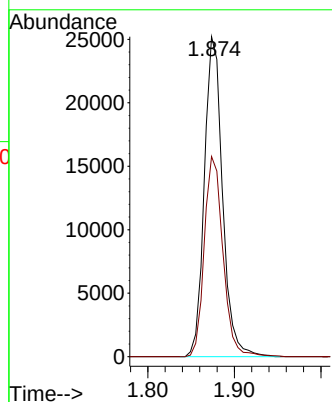
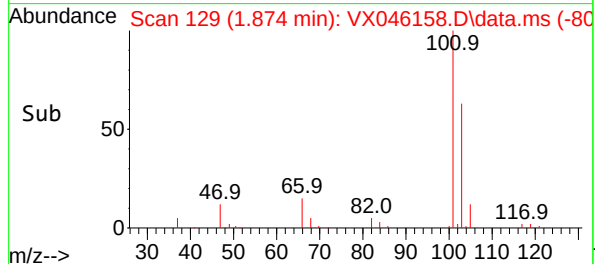
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion:101 Resp: 3676
Ion Ratio Lower Upper
101 100
103 62.6 51.0 76.4

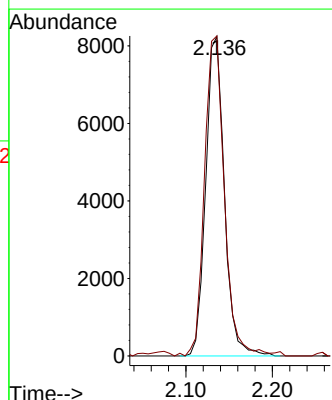
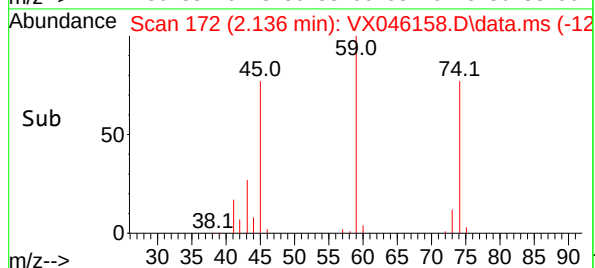
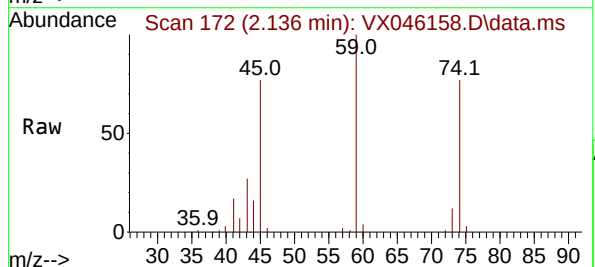
Manual Integrations
APPROVED

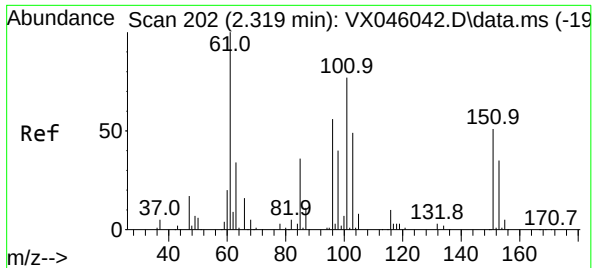
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#8
Diethyl Ether
Concen: 19.849 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

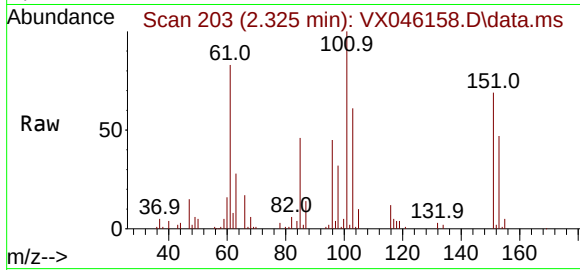
Tgt Ion: 74 Resp: 12331
Ion Ratio Lower Upper
74 100
45 107.1 54.9 164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.629 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

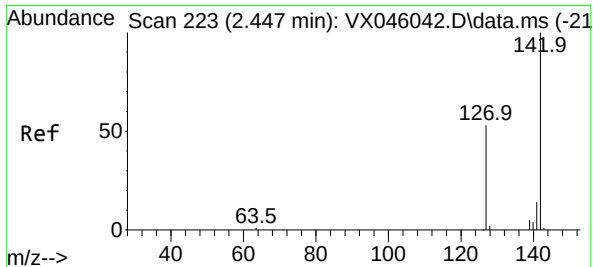
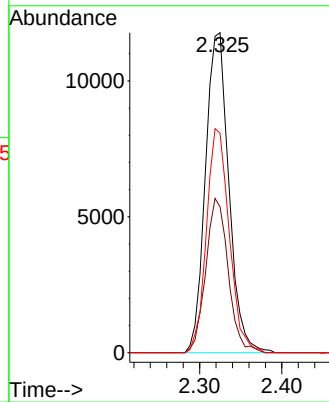
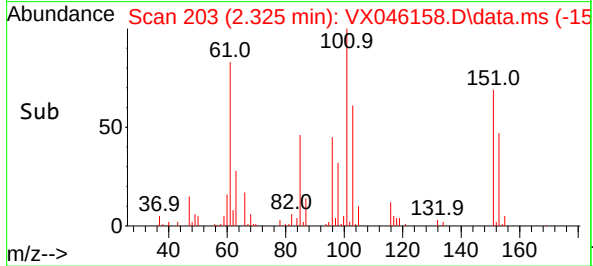
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion:101 Resp: 2329
Ion Ratio Lower Upper
101 100
85 46.3 38.6 58.0
151 68.3 55.2 82.8

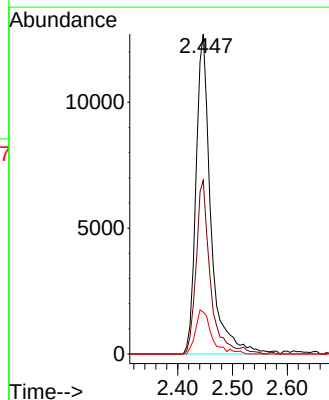
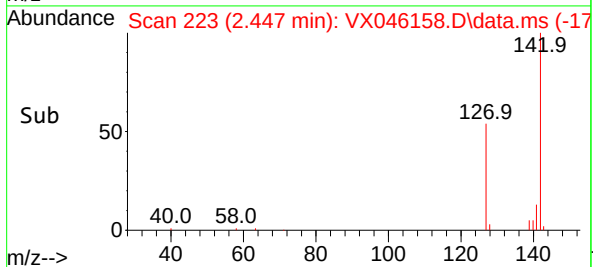
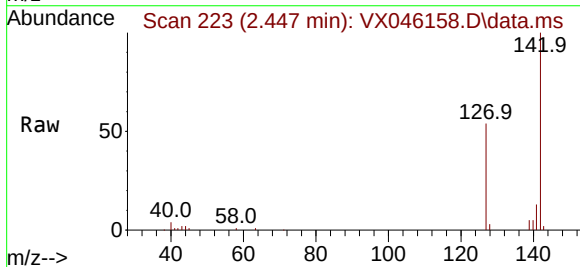
Manual Integrations
APPROVED

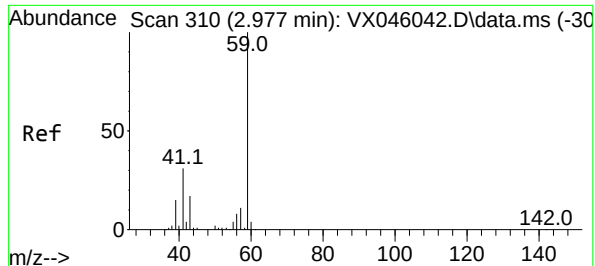
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#10
Methyl Iodide
Concen: 18.004 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

Tgt Ion:142 Resp: 24059
Ion Ratio Lower Upper
142 100
127 52.0 41.7 62.5
141 14.9 11.5 17.3





#11

Tert butyl alcohol

Concen: 101.791 ug/l

RT: 2.971 min Scan# 30

Delta R.T. -0.006 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 59 Resp: 2381

Ion Ratio Lower Upper

59 100

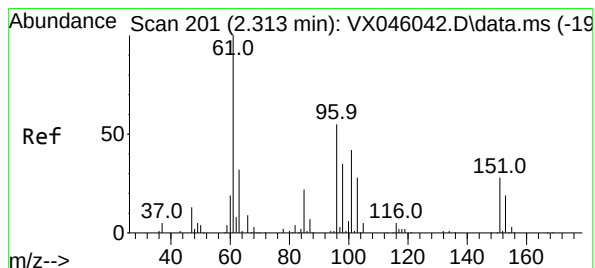
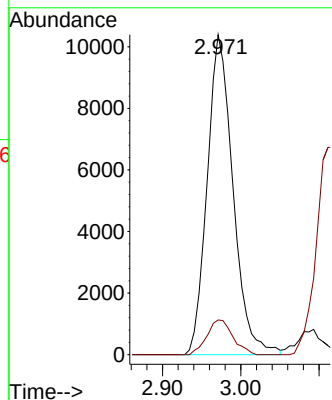
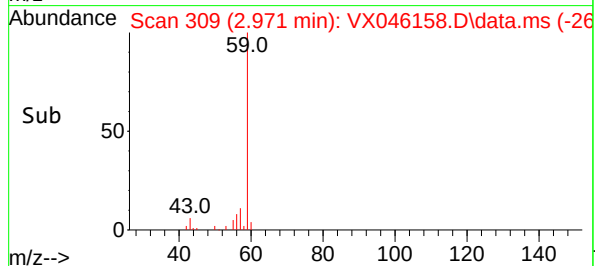
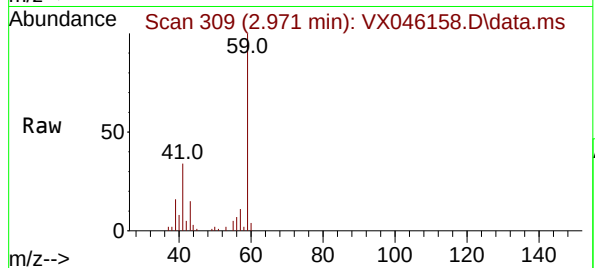
57 10.9 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#12

1,1-Dichloroethene

Concen: 18.909 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

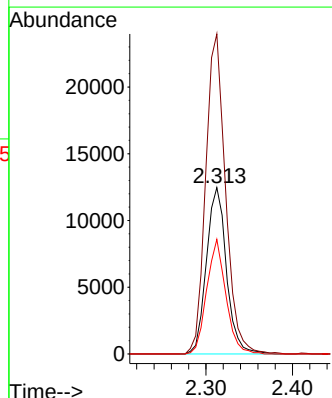
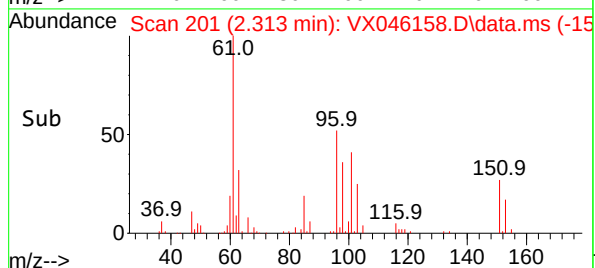
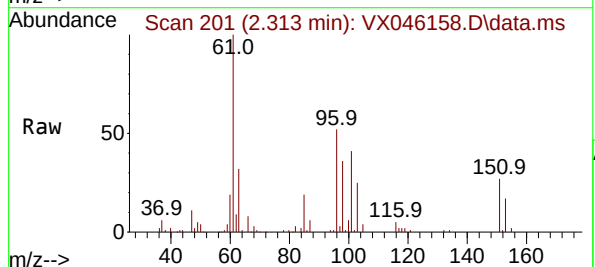
Tgt Ion: 96 Resp: 20042

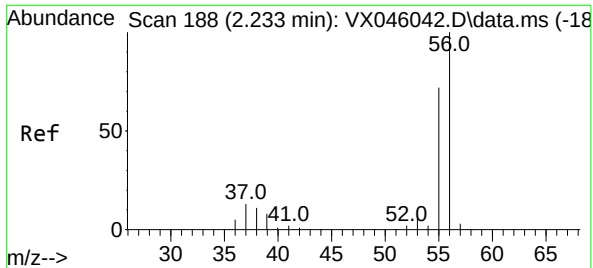
Ion Ratio Lower Upper

96 100

61 192.4 146.2 219.2

98 68.9 51.0 76.6





#13

Acrolein

Concen: 128.161 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 56 Resp: 3414

Ion Ratio Lower Upper

56 100

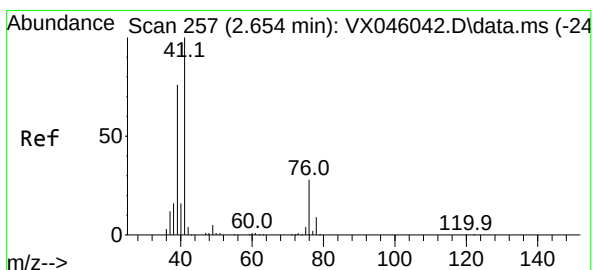
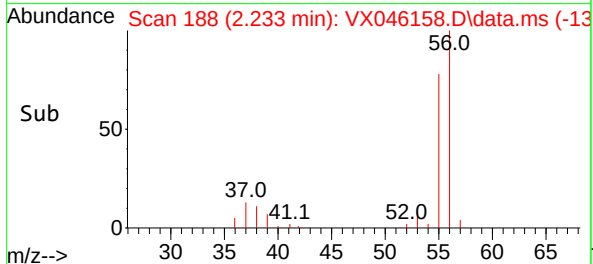
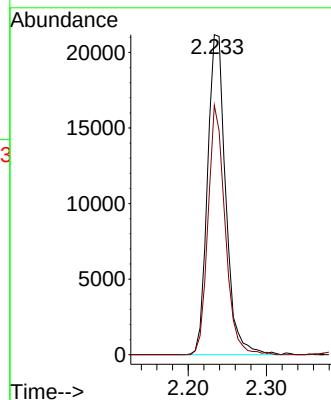
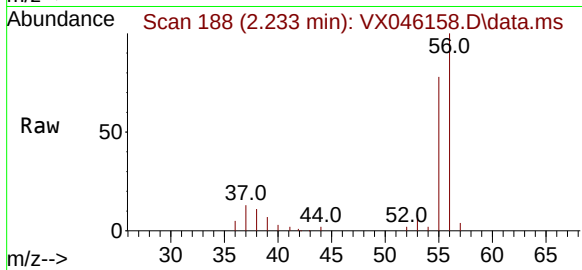
55 73.2 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#14

Allyl chloride

Concen: 19.913 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

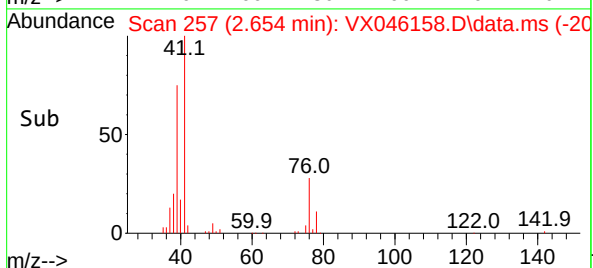
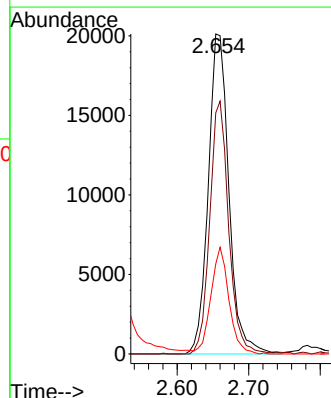
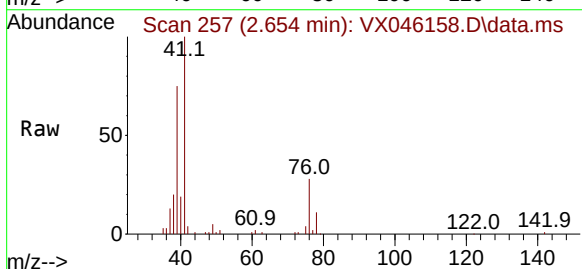
Tgt Ion: 41 Resp: 40337

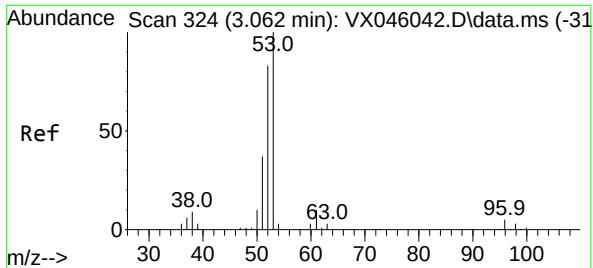
Ion Ratio Lower Upper

41 100

39 72.3 60.6 90.8

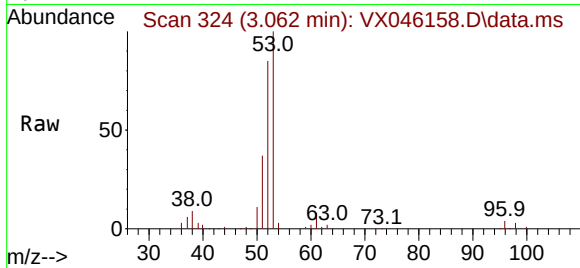
76 29.2 24.9 37.3





#15
Acrylonitrile
Concen: 101.969 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

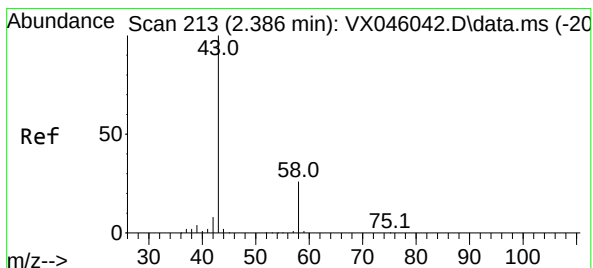
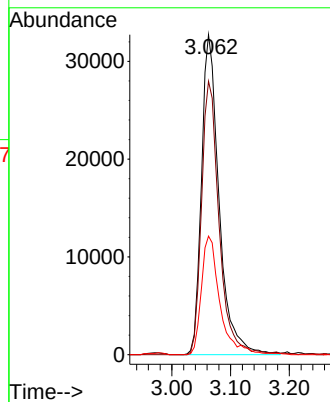
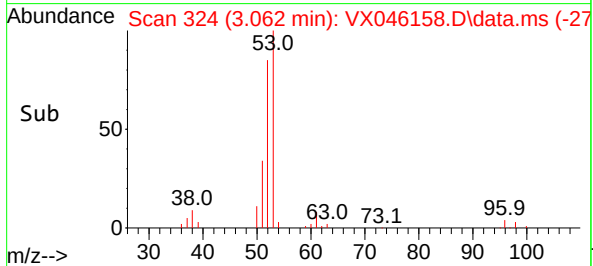
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion: 53 Resp: 6820
Ion Ratio Lower Upper
53 100
52 84.8 65.3 97.9
51 39.1 29.8 44.8

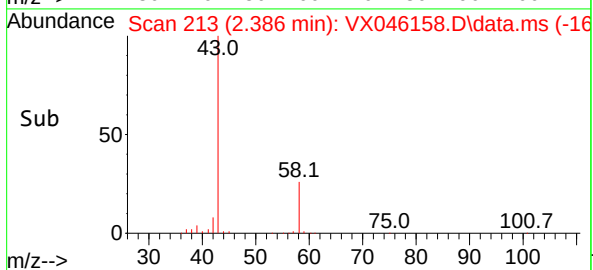
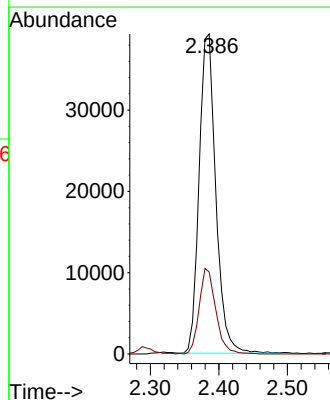
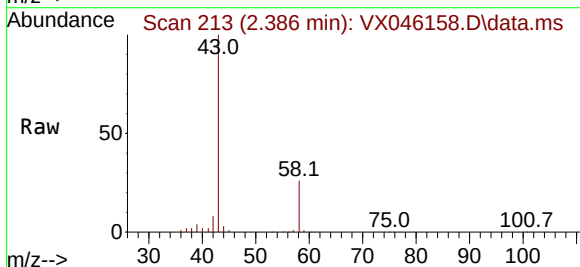
Manual Integrations
APPROVED

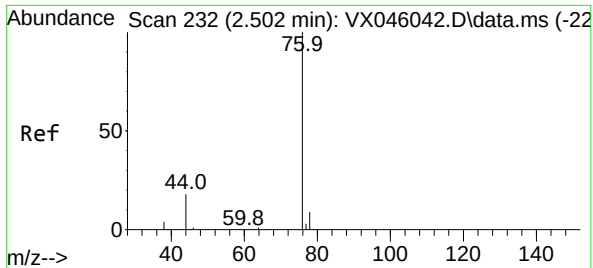
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#16
Acetone
Concen: 99.663 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

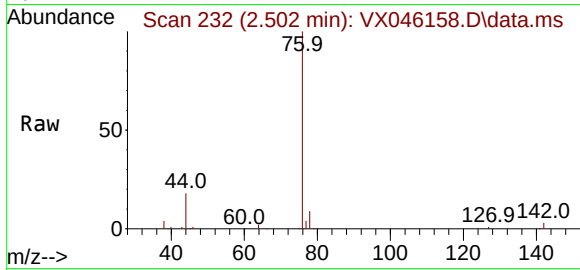
Tgt Ion: 43 Resp: 66592
Ion Ratio Lower Upper
43 100
58 25.7 21.2 31.8





#17
Carbon Disulfide
Concen: 17.552 ug/l
RT: 2.502 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

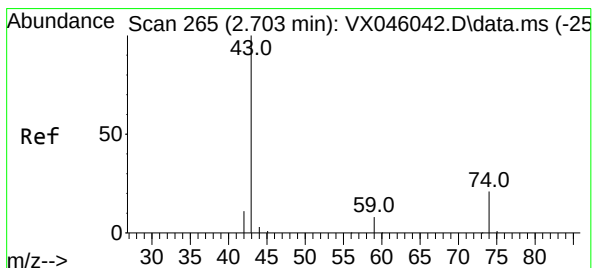
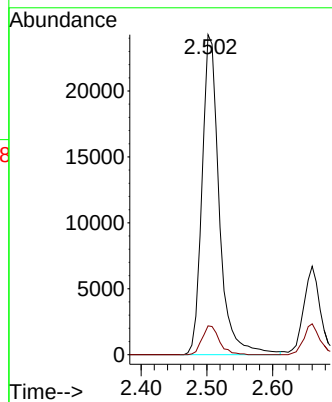
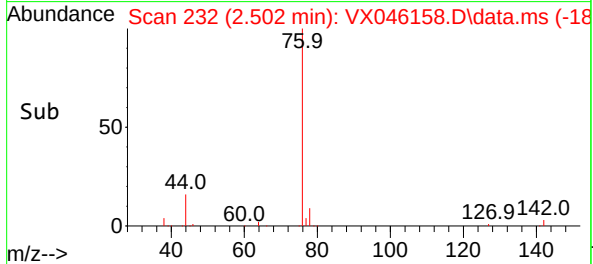
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



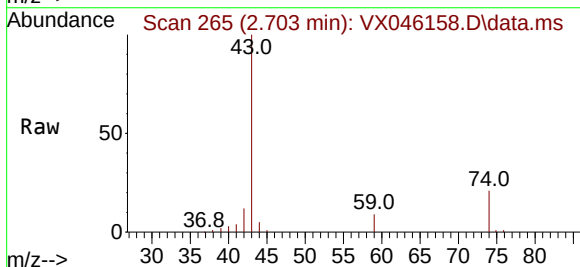
Tgt Ion: 76 Resp: 44100
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4

Manual Integrations
APPROVED

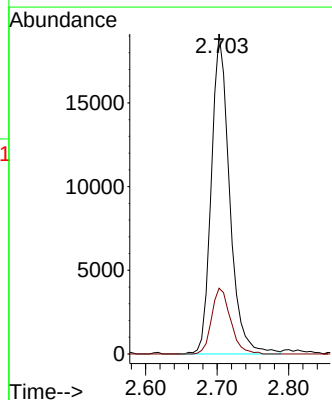
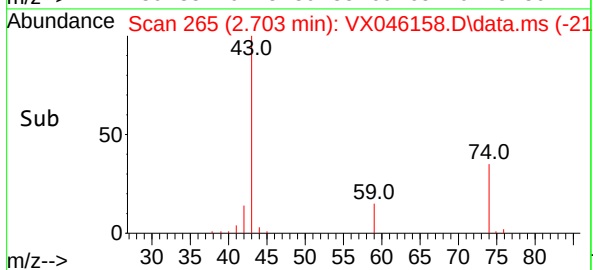
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

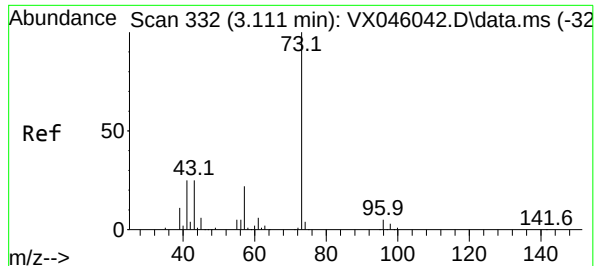


#18
Methyl Acetate
Concen: 21.857 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02



Tgt Ion: 43 Resp: 33890
Ion Ratio Lower Upper
43 100
74 21.3 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 19.902 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 73 Resp: 73950

Ion Ratio Lower Upper

73 100

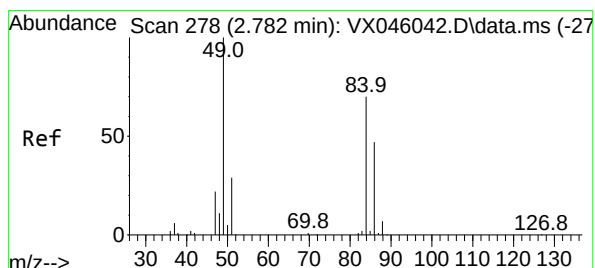
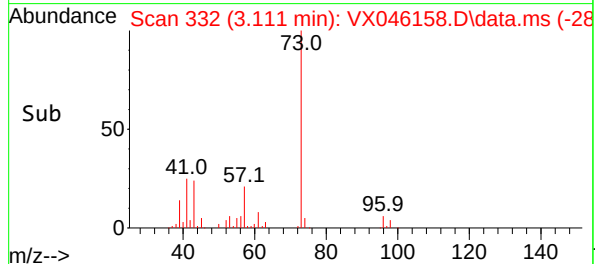
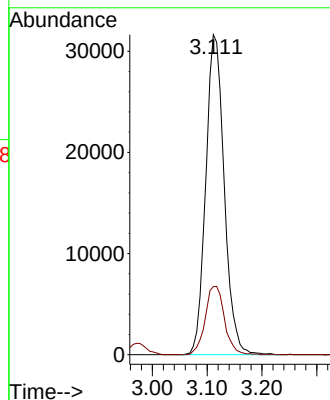
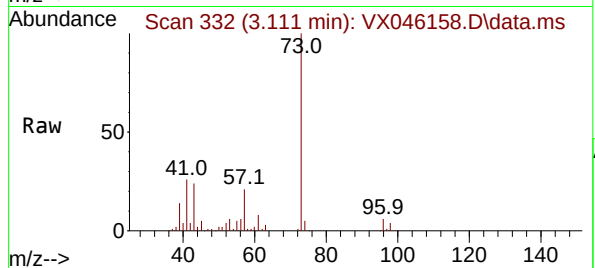
57 21.3 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#20

Methylene Chloride

Concen: 18.879 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Tgt Ion: 84 Resp: 24173

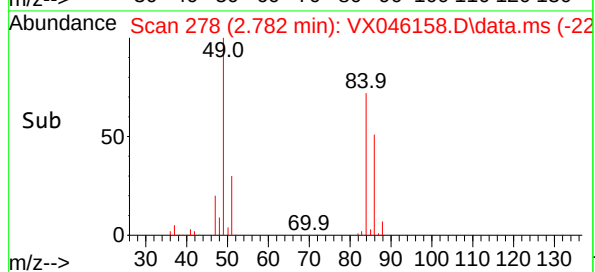
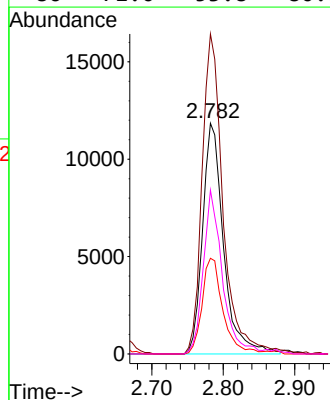
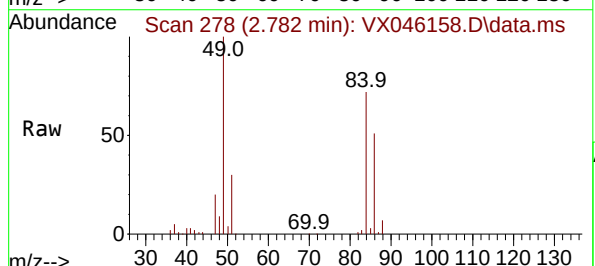
Ion Ratio Lower Upper

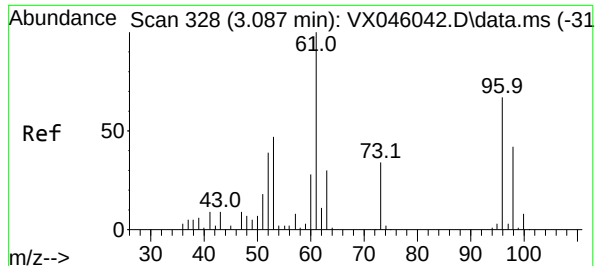
84 100

49 138.7 113.9 170.9

51 41.5 33.5 50.3

86 71.0 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 19.595 ug/l

RT: 3.087 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 96 Resp: 2088

Ion Ratio Lower Upper

96 100

61 149.4 119.5 179.3

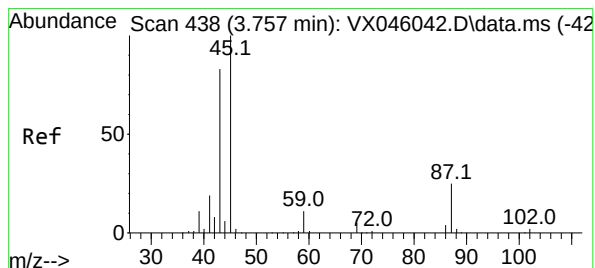
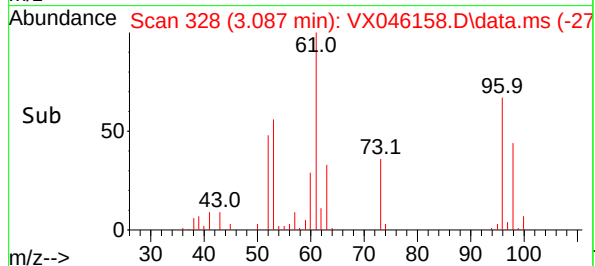
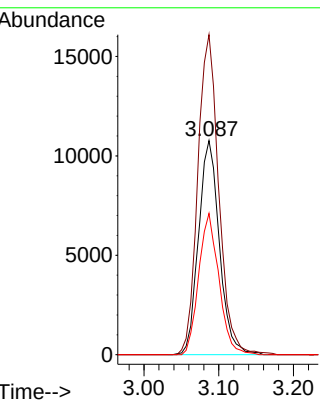
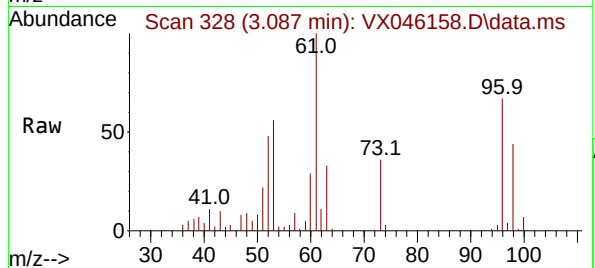
98 66.0 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#22

Diisopropyl ether

Concen: 20.550 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Tgt Ion: 45 Resp: 80410

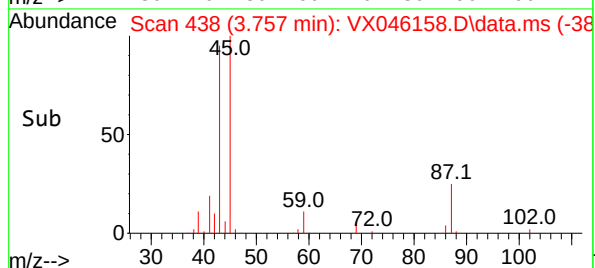
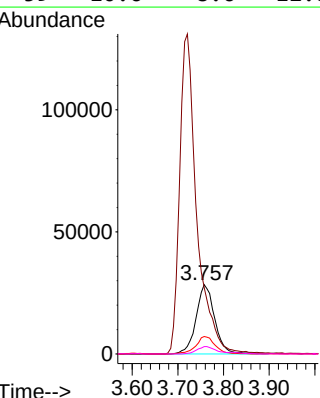
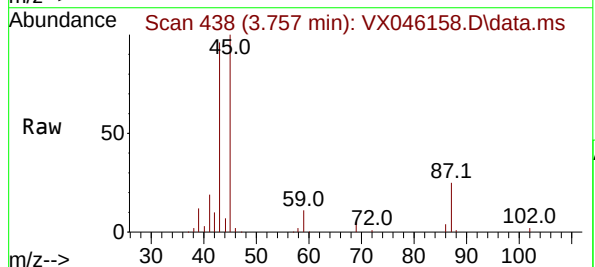
Ion Ratio Lower Upper

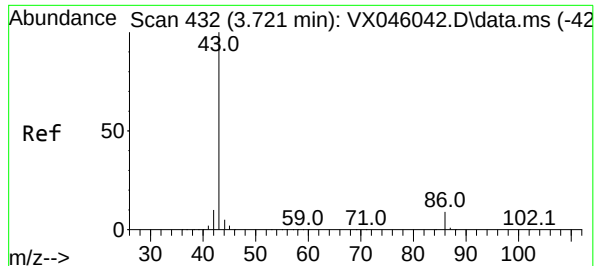
45 100

43 94.3 66.6 100.0

87 25.2 19.8 29.6

59 10.6 8.6 12.8





#23

Vinyl Acetate

Concen: 99.605 ug/l

RT: 3.721 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Tgt Ion: 43 Resp: 34279

Ion Ratio Lower Upper

43 100

86 9.6 7.5 11.3

Instrument :

MSVOA_X

ClientSampleId :

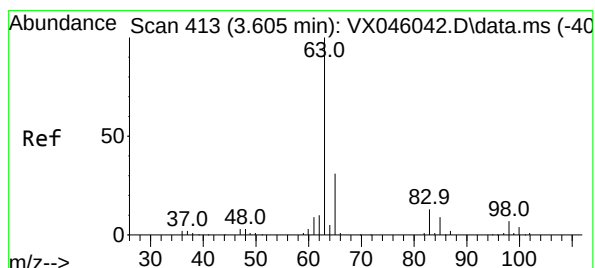
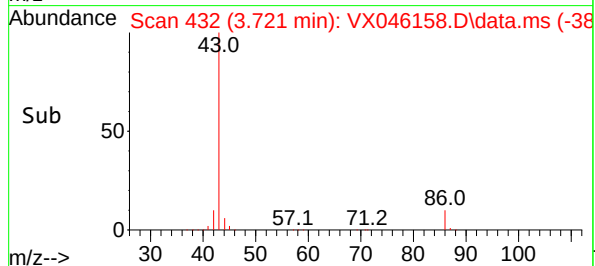
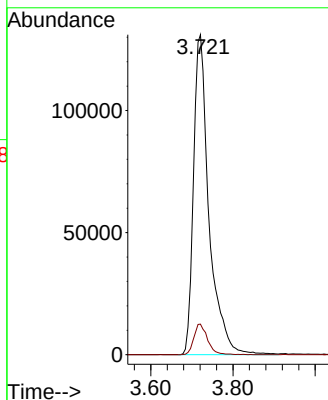
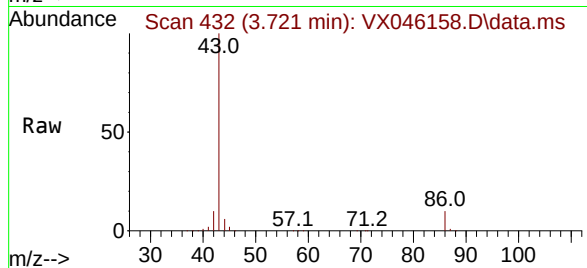
VX0513WBS01

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#24

1,1-Dichloroethane

Concen: 20.698 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

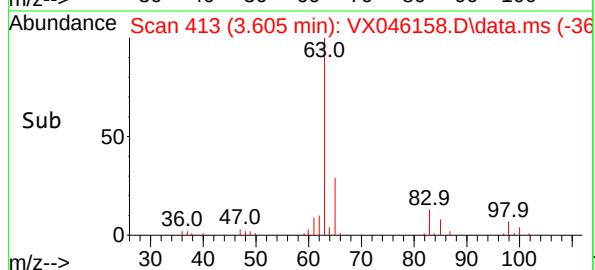
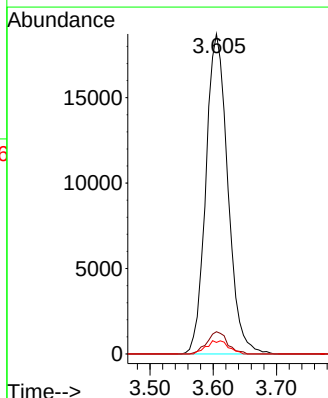
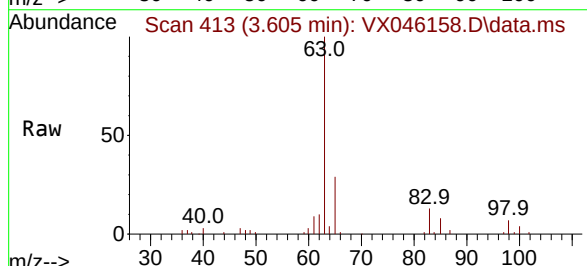
Tgt Ion: 63 Resp: 45109

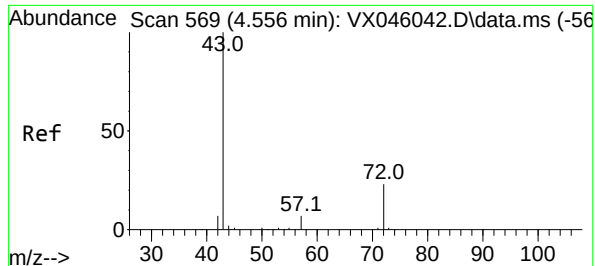
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

100 3.6 2.1 6.3





#25

2-Butanone

Concen: 102.672 ug/l

RT: 4.556 min Scan# 50

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 43 Resp: 99590

Ion Ratio Lower Upper

43 100

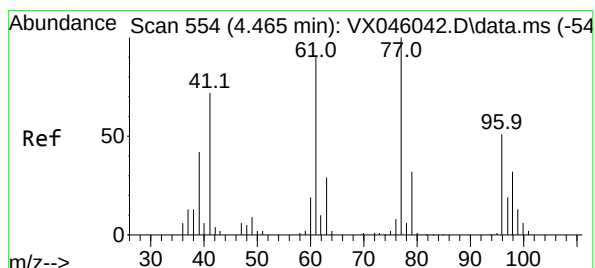
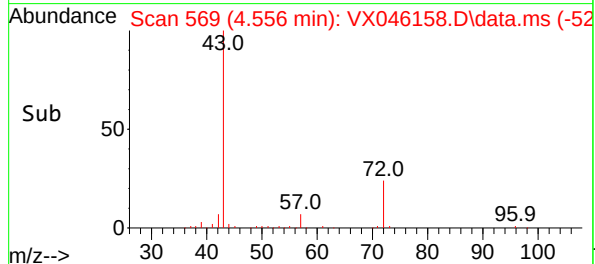
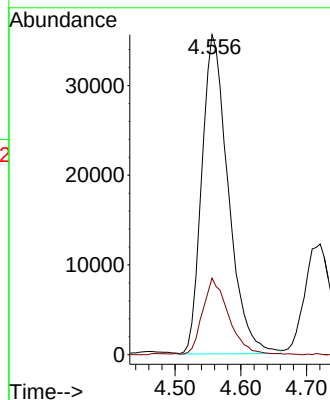
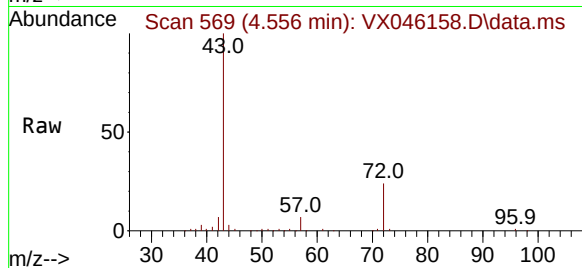
72 23.9 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#26

2,2-Dichloropropane

Concen: 18.351 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX046158.D

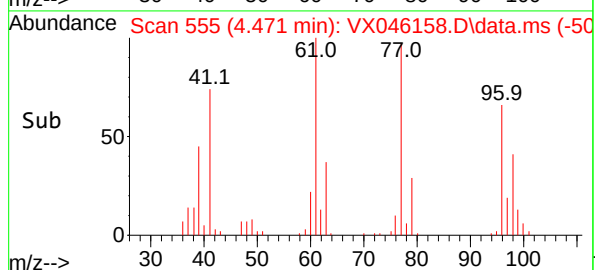
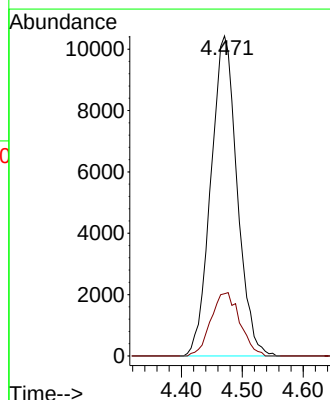
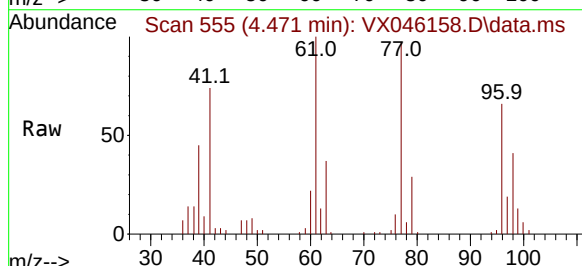
Acq: 13 May 2025 12:02

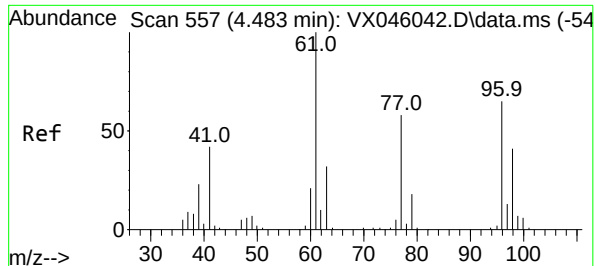
Tgt Ion: 77 Resp: 31303

Ion Ratio Lower Upper

77 100

97 21.8 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 19.975 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 96 Resp: 2563

Ion Ratio Lower Upper

96 100

61 160.5 0.0 322.8

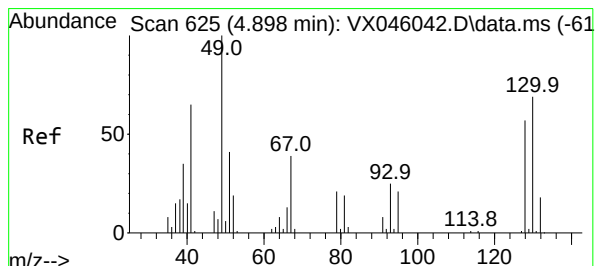
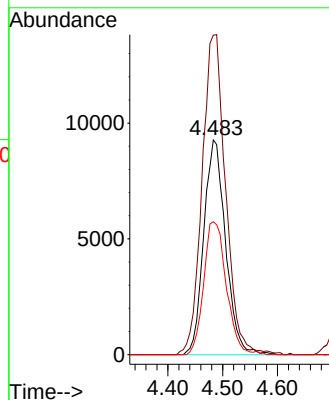
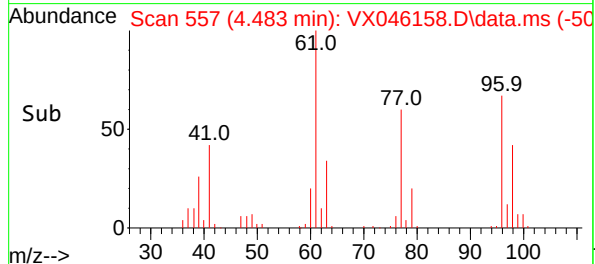
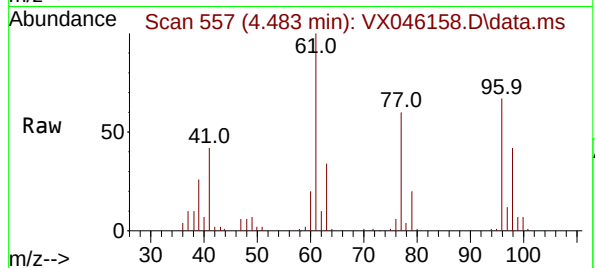
98 64.2 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#28

Bromochloromethane

Concen: 23.002 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

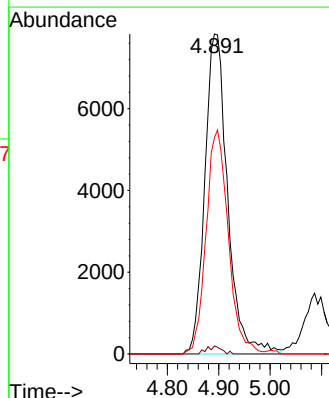
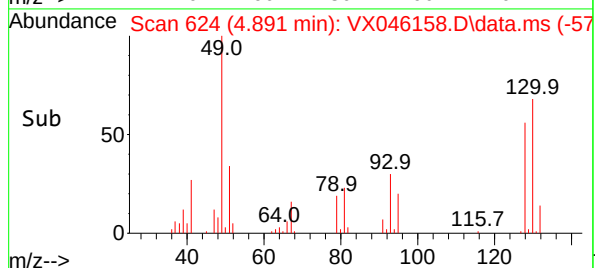
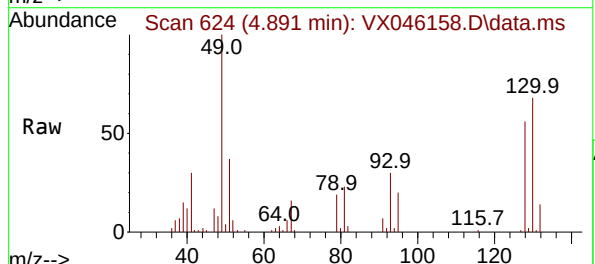
Tgt Ion: 49 Resp: 24130

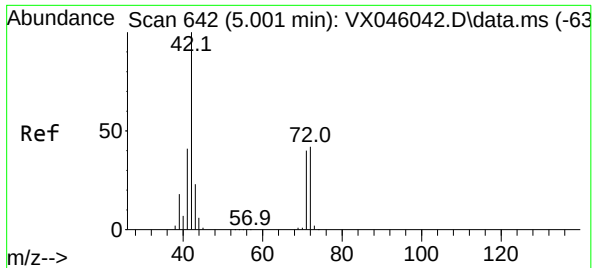
Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.0

130 68.1 56.2 84.2





#29

Tetrahydrofuran

Concen: 103.423 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 42 Resp: 6286

Ion Ratio Lower Upper

42 100

72 41.6 33.7 50.5

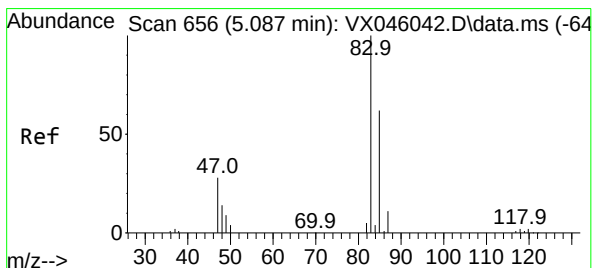
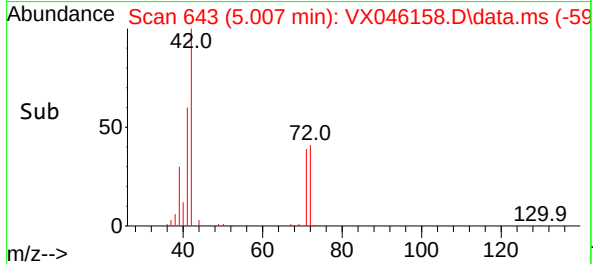
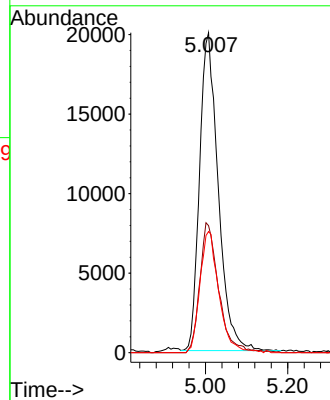
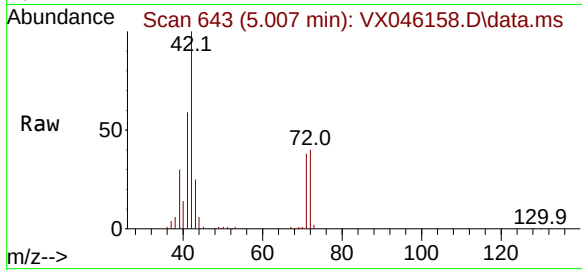
71 38.8 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#30

Chloroform

Concen: 21.011 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX046158.D

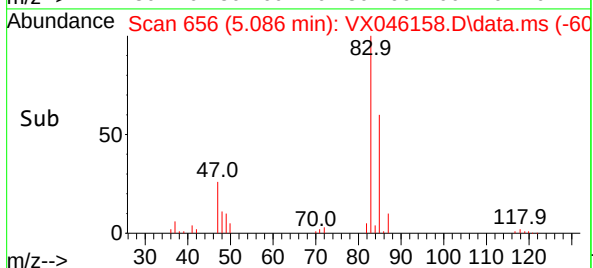
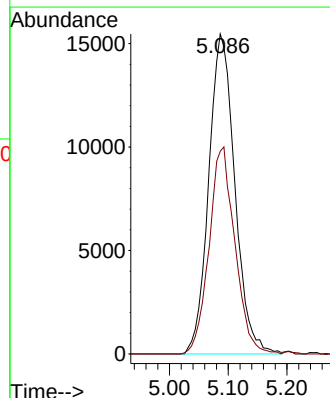
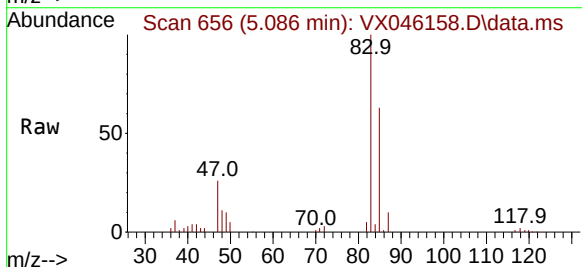
Acq: 13 May 2025 12:02

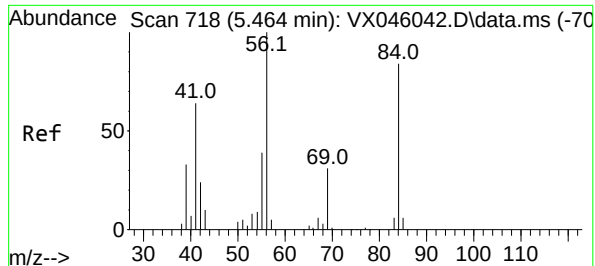
Tgt Ion: 83 Resp: 47728

Ion Ratio Lower Upper

83 100

85 63.3 49.3 73.9





#31

Cyclohexane

Concen: 19.464 ug/l

RT: 5.464 min Scan# 718

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 56 Resp: 3865

Ion Ratio Lower Upper

56 100

69 29.4 24.4 36.6

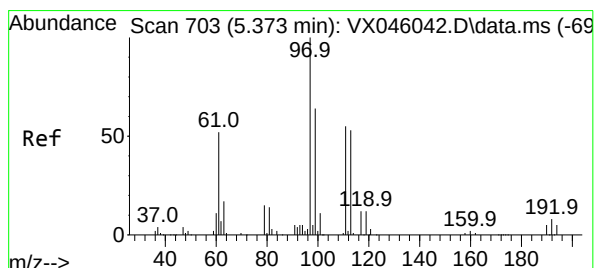
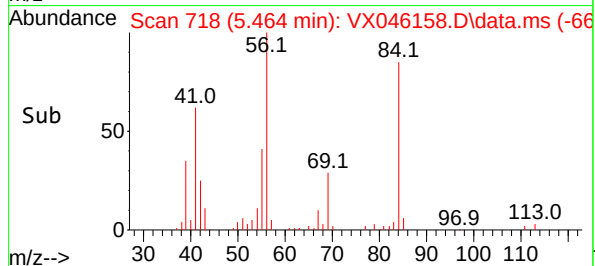
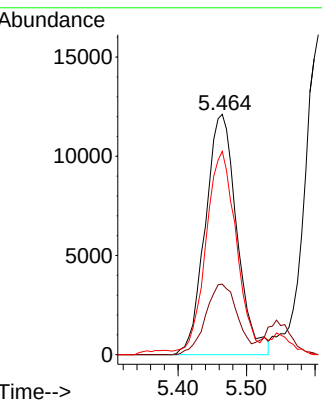
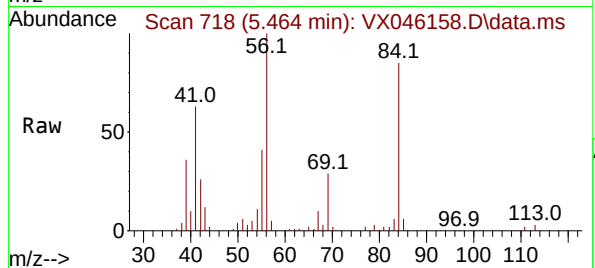
84 82.9 66.9 100.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#32

1,1,1-Trichloroethane

Concen: 20.172 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

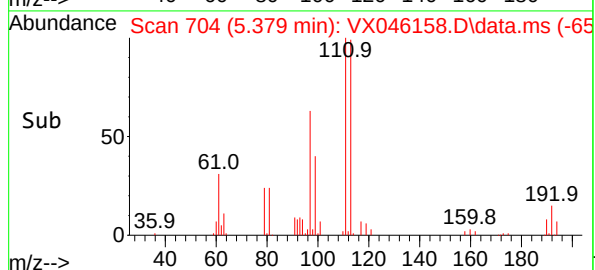
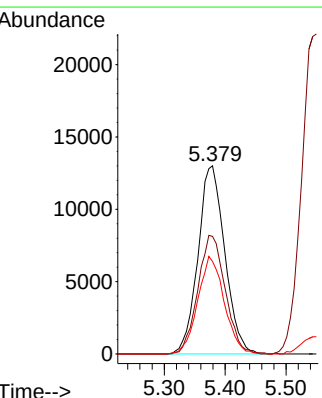
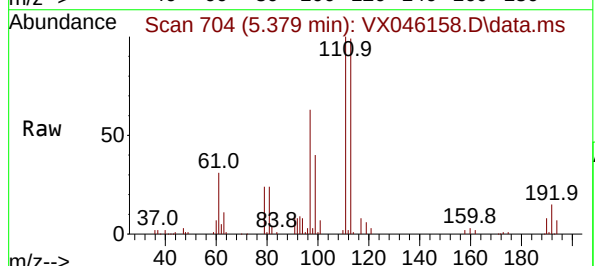
Tgt Ion: 97 Resp: 39722

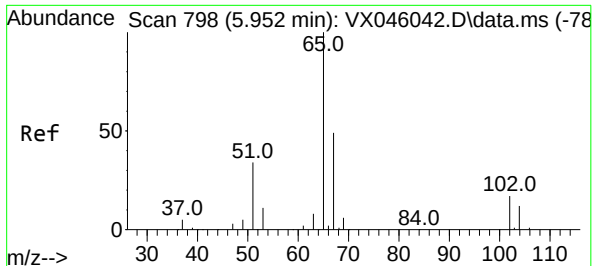
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

61 51.2 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 51.501 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 65 Resp: 85824

Ion Ratio Lower Upper

65 100

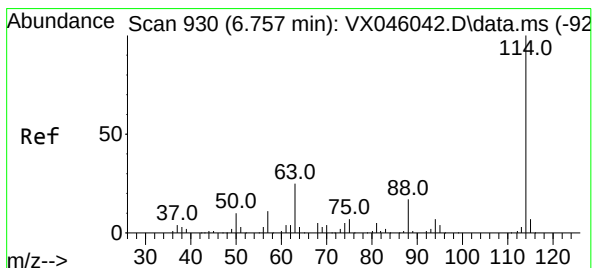
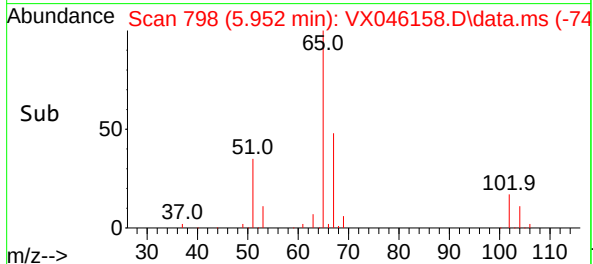
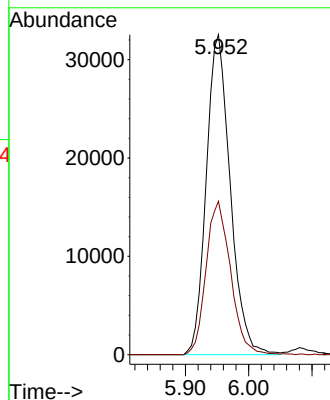
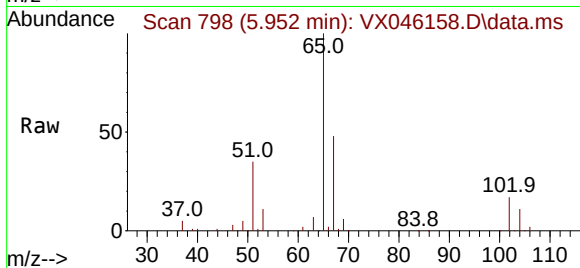
67 49.0 0.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

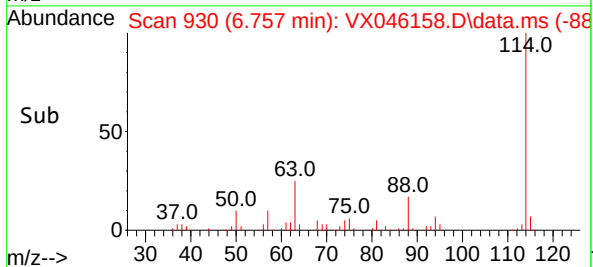
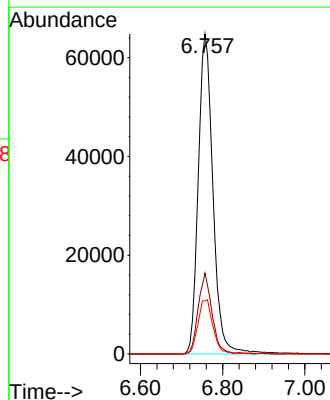
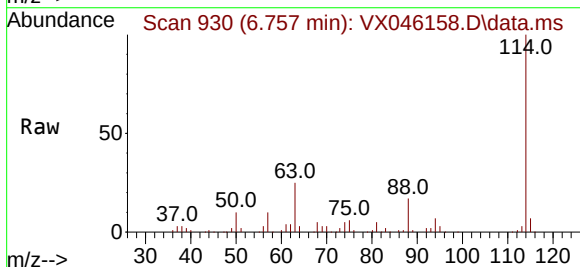
Tgt Ion:114 Resp: 160585

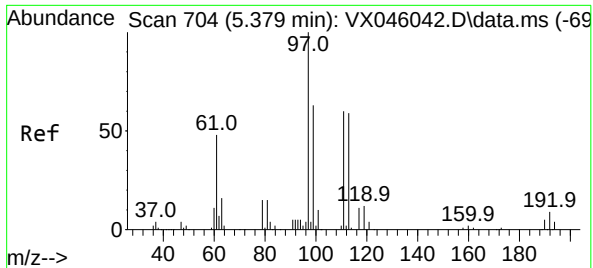
Ion Ratio Lower Upper

114 100

63 25.2 0.0 49.2

88 16.6 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.692 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046158.D

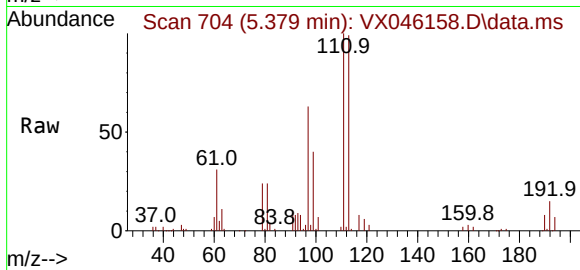
Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01



Tgt Ion: 113 Resp: 58619

Ion Ratio Lower Upper

113 100

111 101.6 83.1 124.7

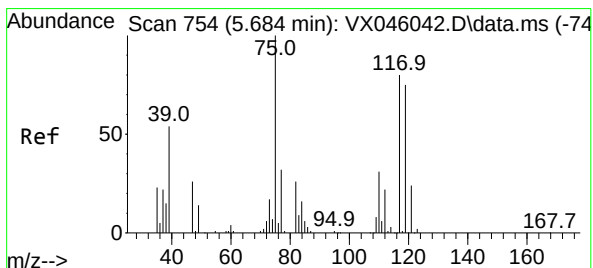
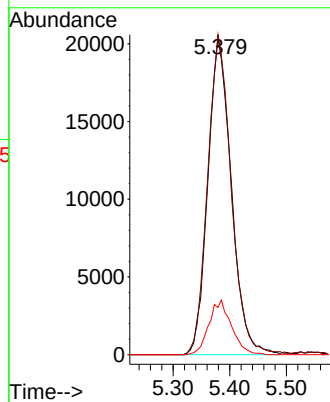
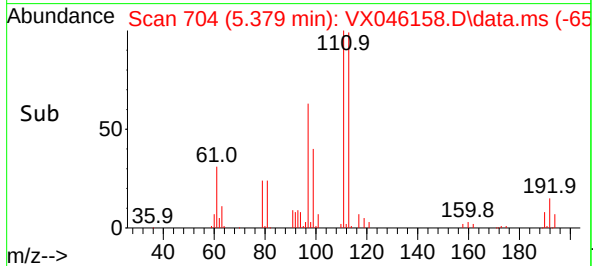
192 16.5 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#36

1,1-Dichloropropene

Concen: 19.074 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

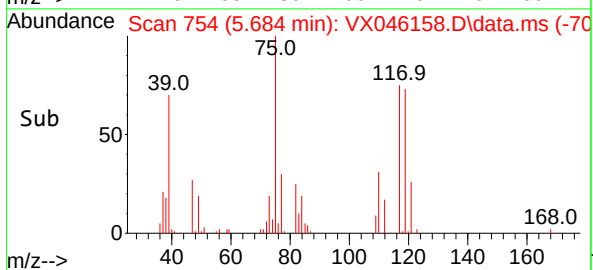
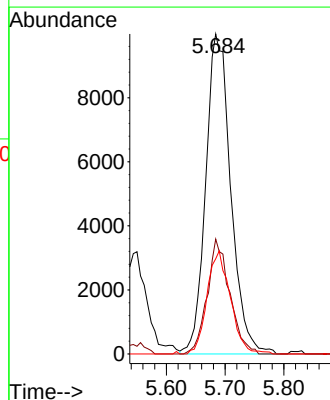
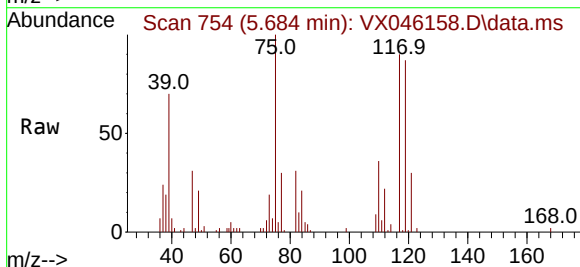
Tgt Ion: 75 Resp: 29635

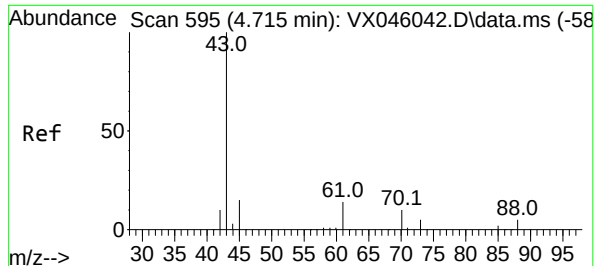
Ion Ratio Lower Upper

75 100

110 32.2 16.3 48.9

77 30.0 24.3 36.5





#37

Ethyl Acetate

Concen: 19.857 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

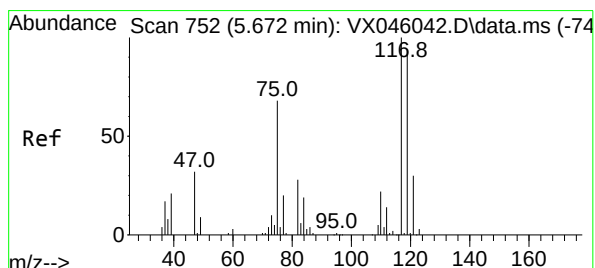
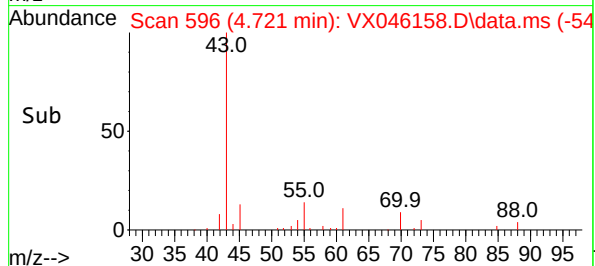
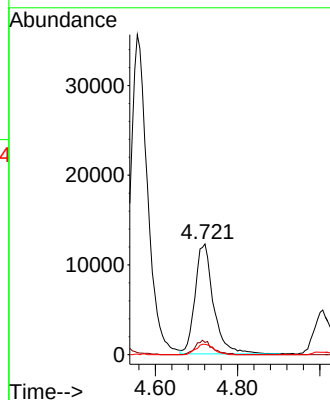
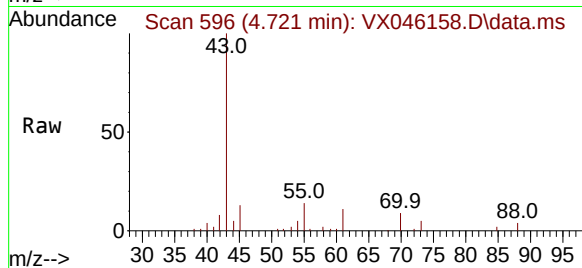
Tgt Ion: 43	Resp: 3811
Ion Ratio	Lower Upper
43 100	
61 12.1	10.3 15.5
70 9.2	7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#38

Carbon Tetrachloride

Concen: 19.447 ug/l

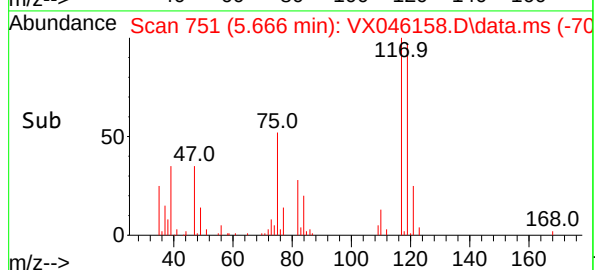
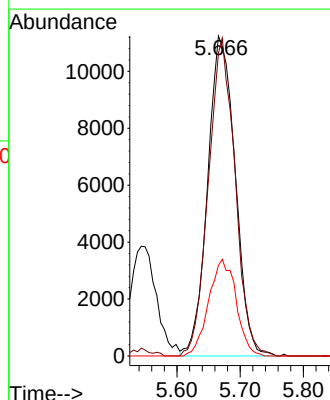
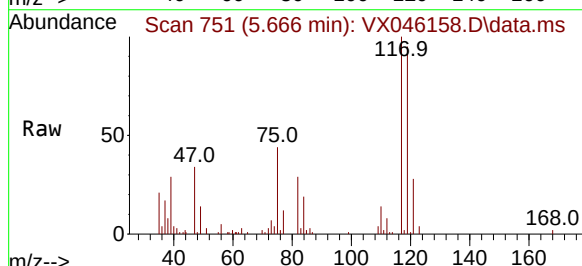
RT: 5.666 min Scan# 751

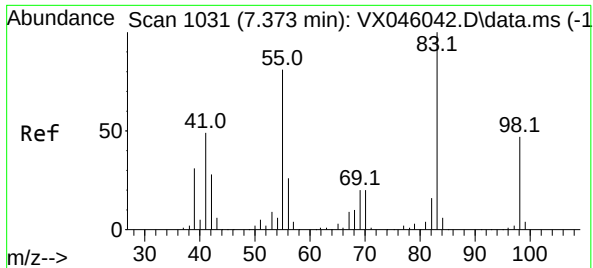
Delta R.T. -0.006 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Tgt Ion: 117	Resp: 33949
Ion Ratio	Lower Upper
117 100	
119 94.7	75.2 112.8
121 28.3	24.2 36.4





#39

Methylcyclohexane

Concen: 18.083 ug/l

RT: 7.379 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 83 Resp: 36172

Ion Ratio Lower Upper

83 100

55 81.0 64.7 97.1

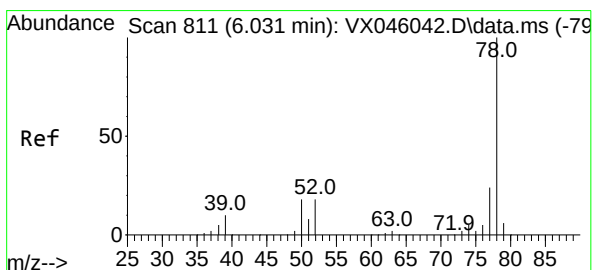
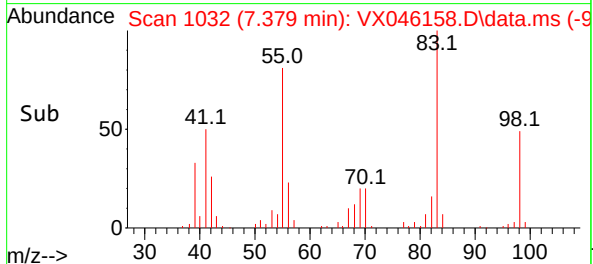
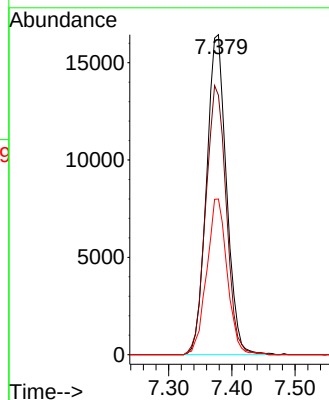
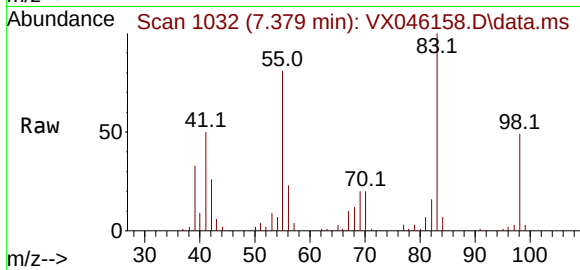
98 48.6 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#40

Benzene

Concen: 19.968 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX046158.D

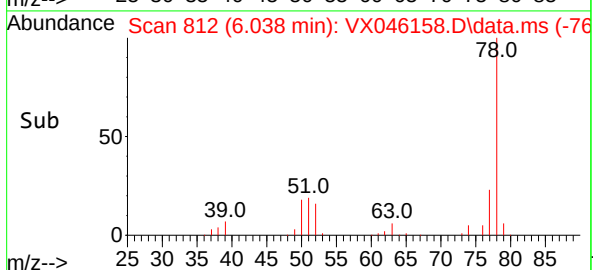
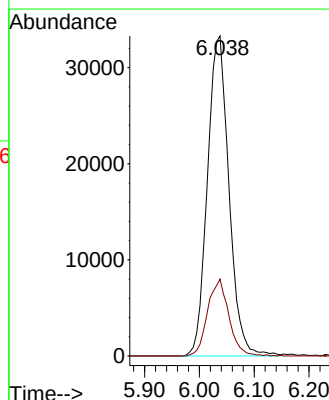
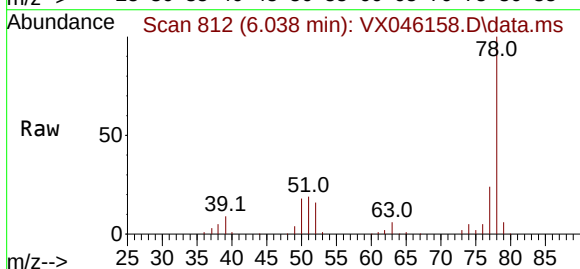
Acq: 13 May 2025 12:02

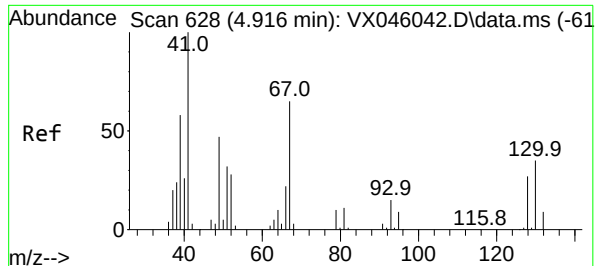
Tgt Ion: 78 Resp: 90872

Ion Ratio Lower Upper

78 100

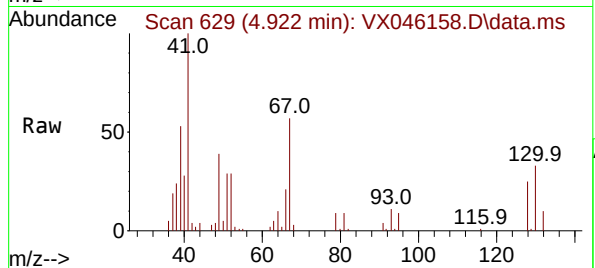
77 24.0 19.0 28.4





#41
Methacrylonitrile
Concen: 21.262 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

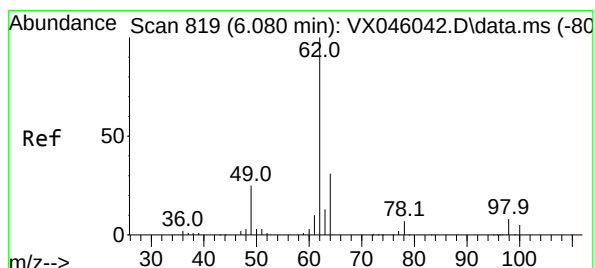
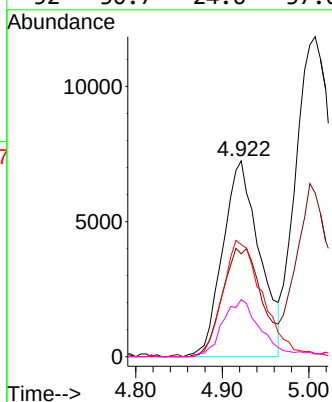
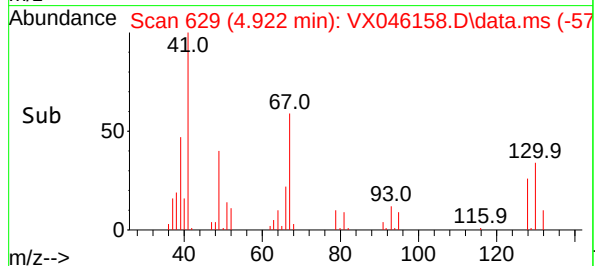
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion: 41 Resp: 2135
Ion Ratio Lower Upper
41 100
39 59.2 47.2 70.8
67 64.8 50.7 76.1
52 30.7 24.6 37.0

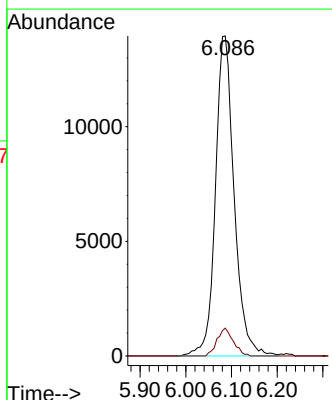
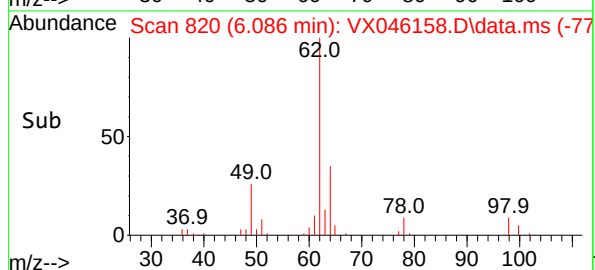
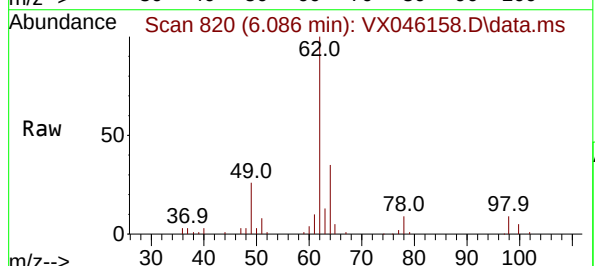
Manual Integrations
APPROVED

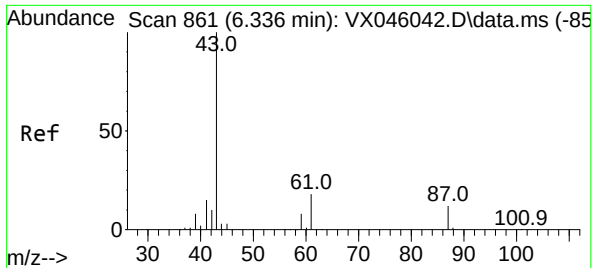
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#42
1,2-Dichloroethane
Concen: 20.234 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

Tgt Ion: 62 Resp: 39742
Ion Ratio Lower Upper
62 100
98 7.5 0.0 15.2





#43

Isopropyl Acetate

Concen: 19.200 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 43 Resp: 5622

Ion Ratio Lower Upper

43 100

61 17.9 14.3 21.5

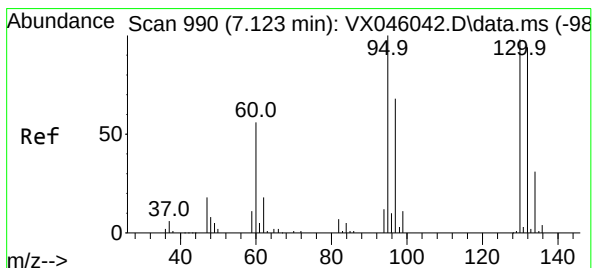
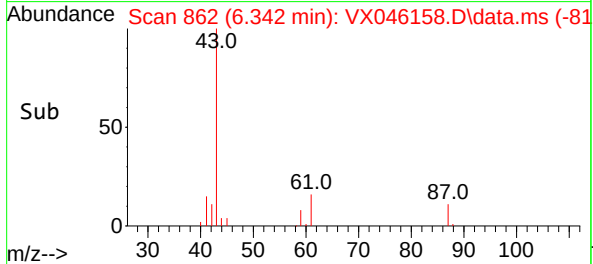
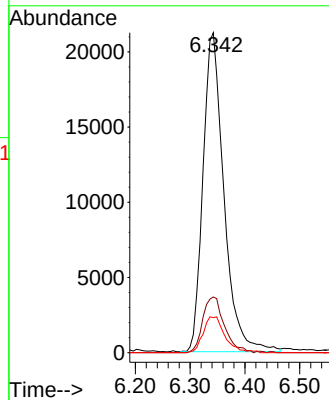
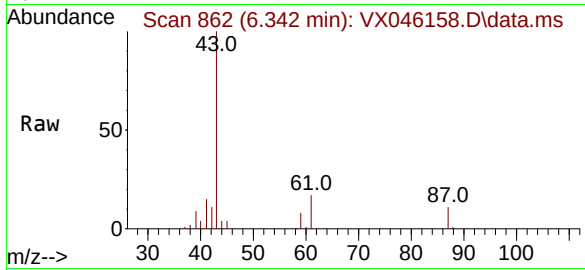
87 11.7 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#44

Trichloroethene

Concen: 18.955 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX046158.D

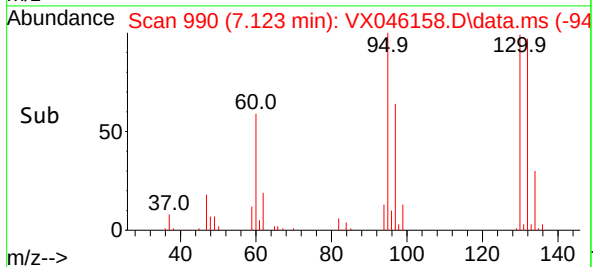
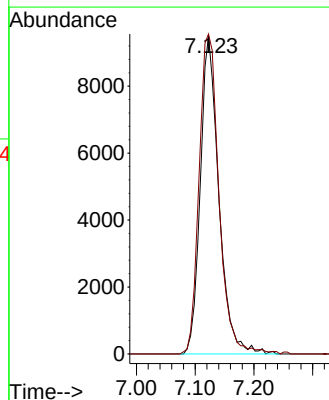
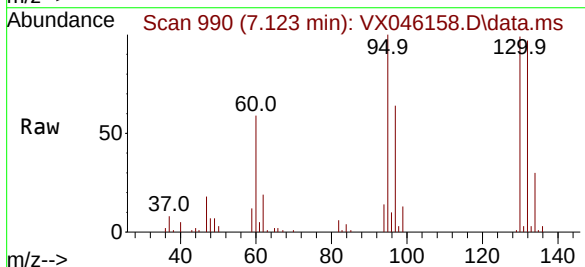
Acq: 13 May 2025 12:02

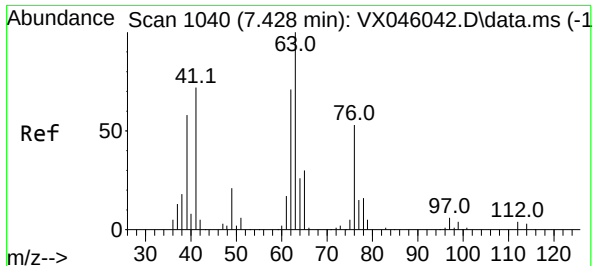
Tgt Ion:130 Resp: 20762

Ion Ratio Lower Upper

130 100

95 100.6 0.0 204.2





#45

1,2-Dichloropropane

Concen: 20.117 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 63 Resp: 2276

Ion Ratio Lower Upper

63 100

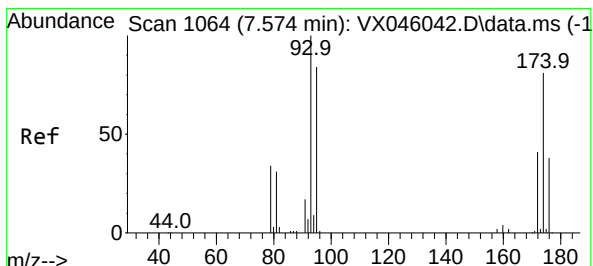
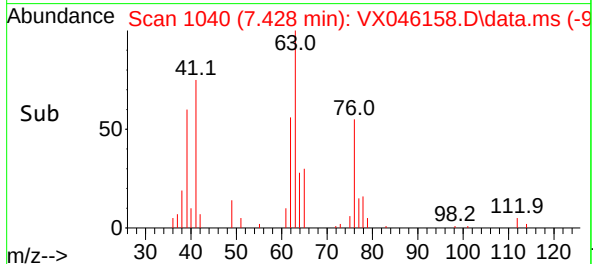
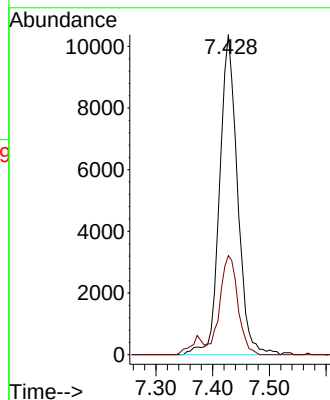
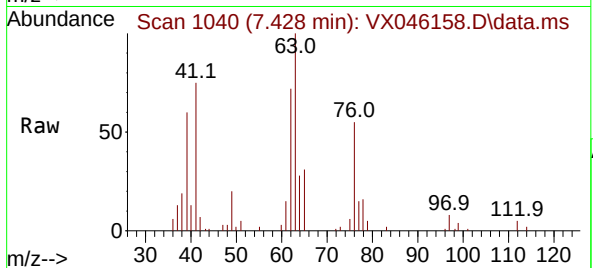
65 30.9 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#46

Dibromomethane

Concen: 19.845 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

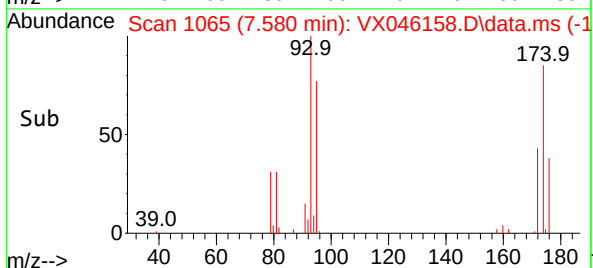
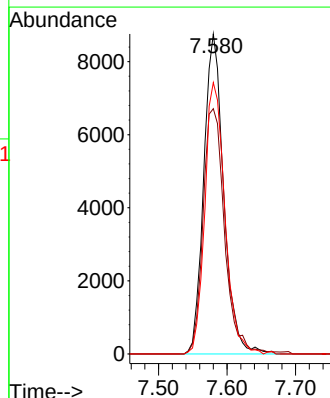
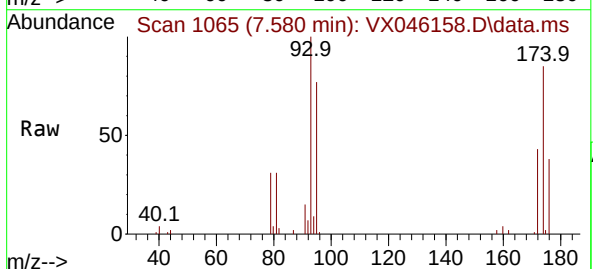
Tgt Ion: 93 Resp: 17712

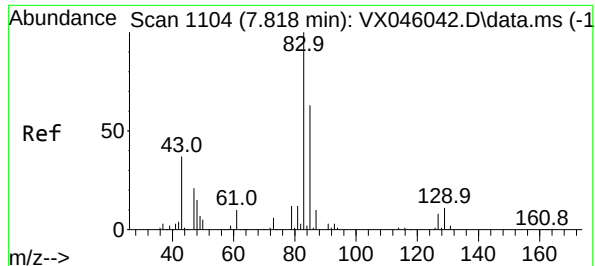
Ion Ratio Lower Upper

93 100

95 83.0 65.6 98.4

174 85.8 68.2 102.2





#47

Bromodichloromethane

Concen: 20.229 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

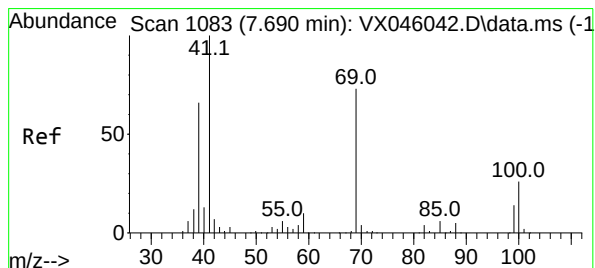
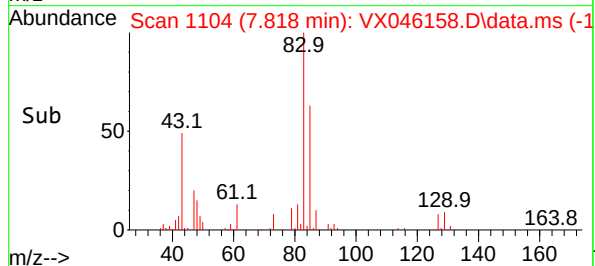
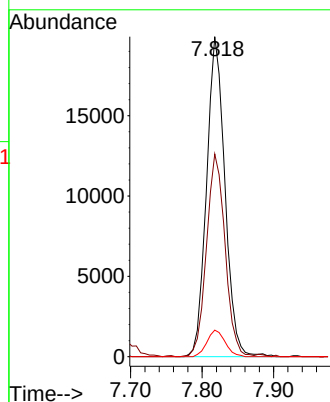
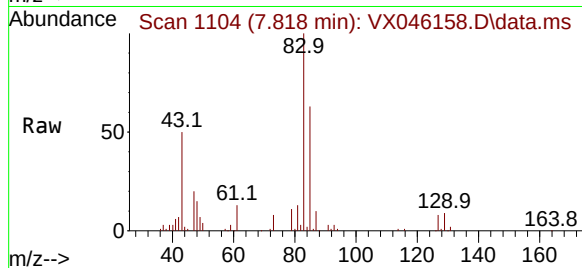
Tgt Ion:	83	Resp:	3556
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.5	75.7
127	8.3	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#48

Methyl methacrylate

Concen: 20.019 ug/l

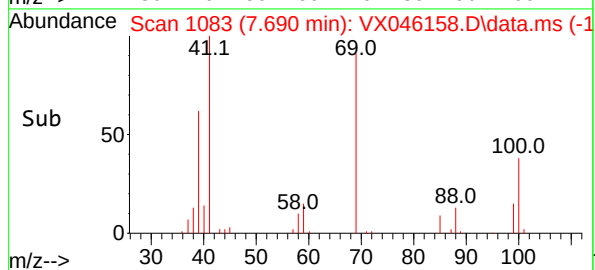
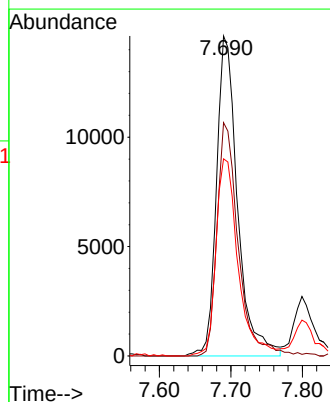
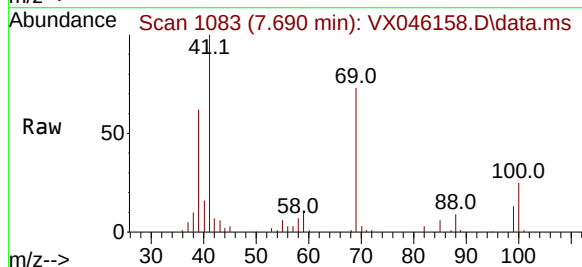
RT: 7.690 min Scan# 1083

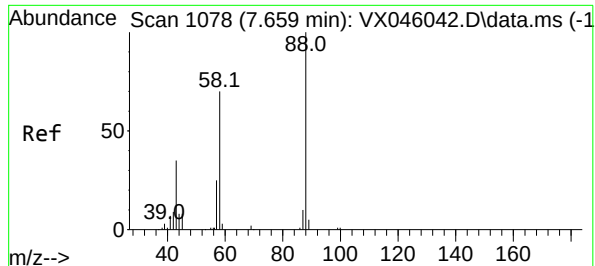
Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Tgt Ion:	41	Resp:	29941
Ion	Ratio	Lower	Upper
41	100		
69	73.8	58.5	87.7
39	64.4	51.7	77.5





#49

1,4-Dioxane

Concen: 421.693 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

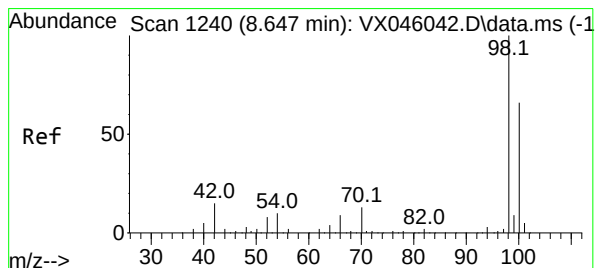
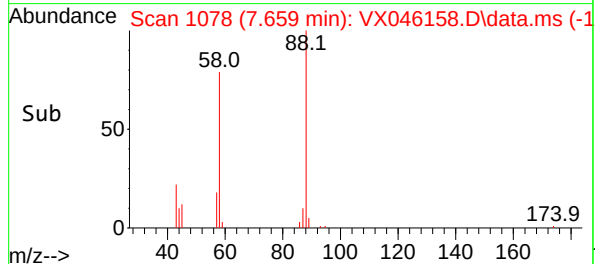
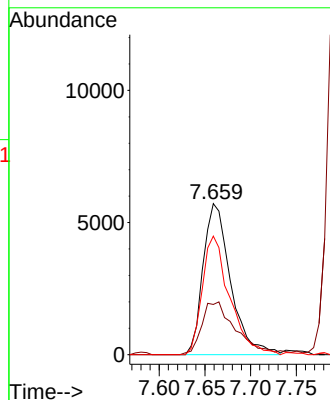
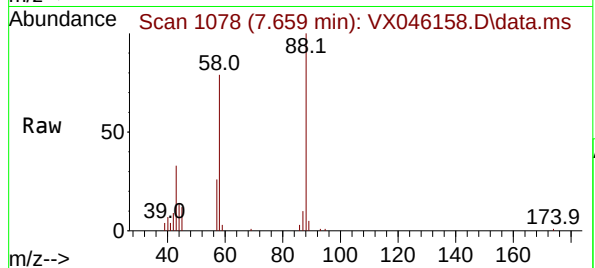
Tgt Ion:	88	Resp:	1197
Ion	Ratio	Lower	Upper
88	100		
43	43.6	33.4	50.2
58	78.0	58.6	88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#50

Toluene-d8

Concen: 49.978 ug/l

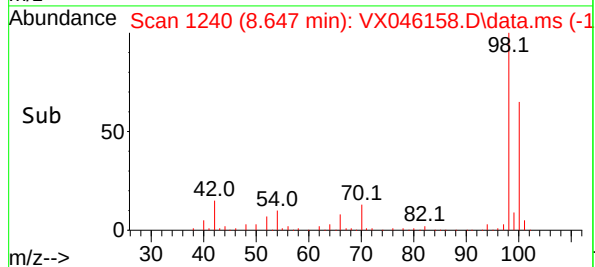
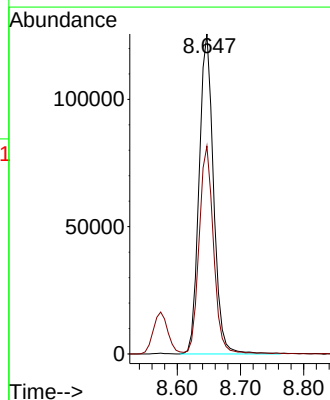
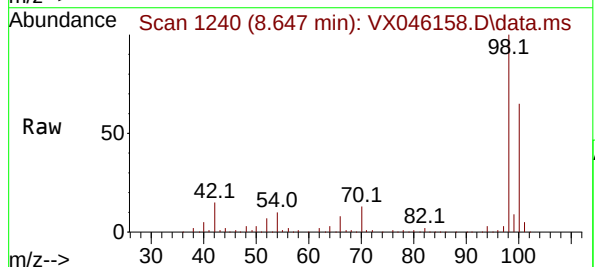
RT: 8.647 min Scan# 1240

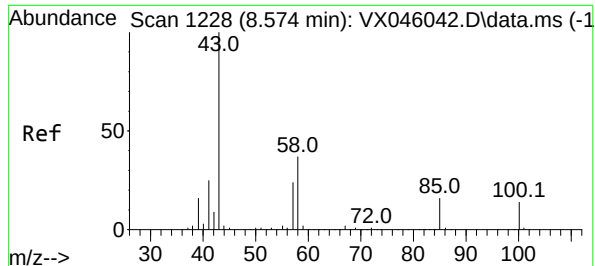
Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

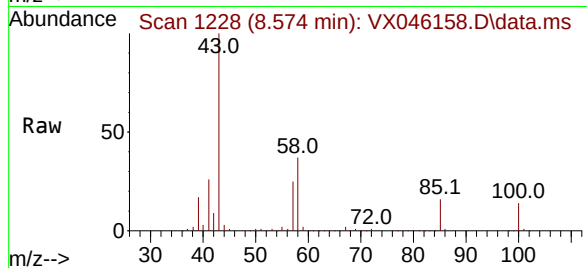
Tgt Ion:	98	Resp:	200032
Ion	Ratio	Lower	Upper
98	100		
100	64.3	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 99.466 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

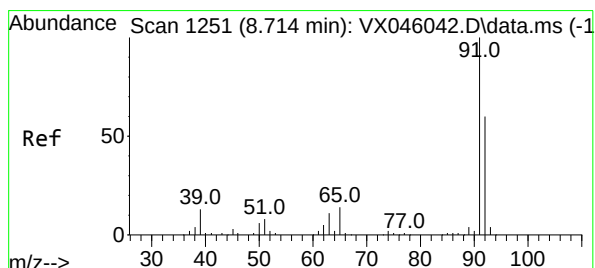
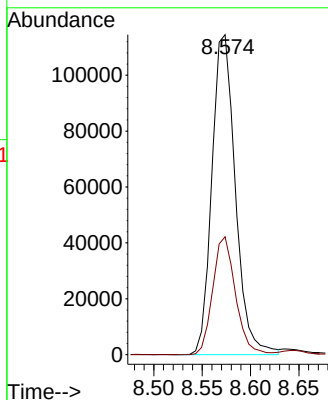
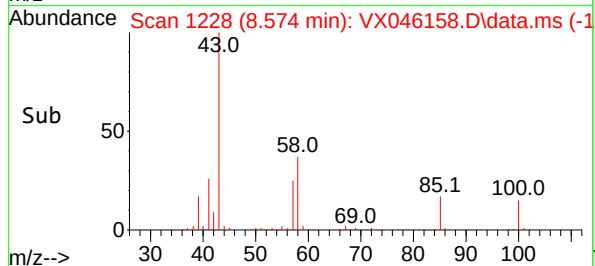
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion: 43 Resp: 19335
Ion Ratio Lower Upper
43 100
58 35.8 28.9 43.3

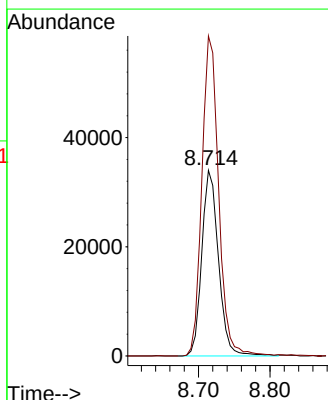
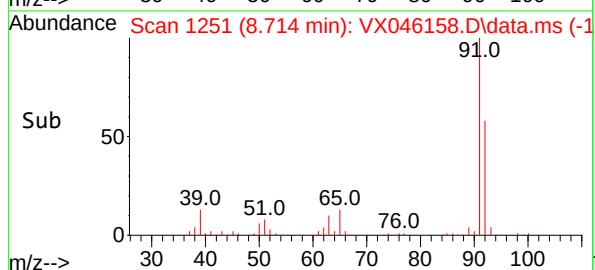
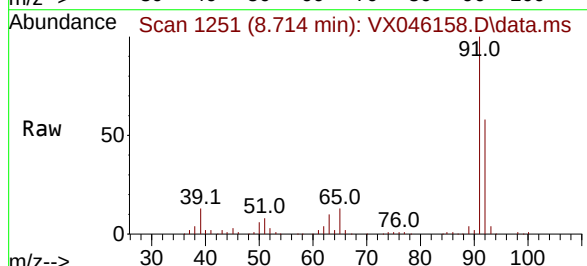
Manual Integrations
APPROVED

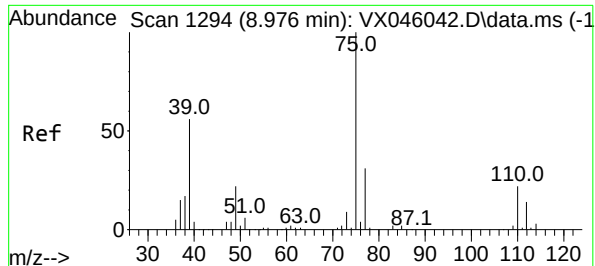
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#52
Toluene
Concen: 19.780 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

Tgt Ion: 92 Resp: 55198
Ion Ratio Lower Upper
92 100
91 172.9 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 19.041 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 75 Resp: 2975

Ion Ratio Lower Upper

75 100

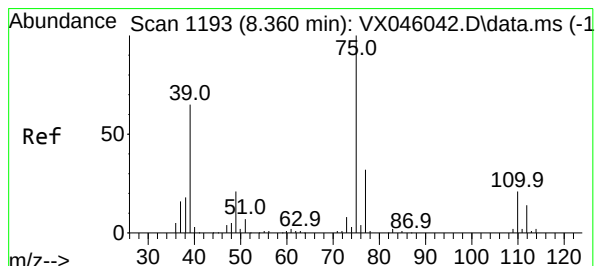
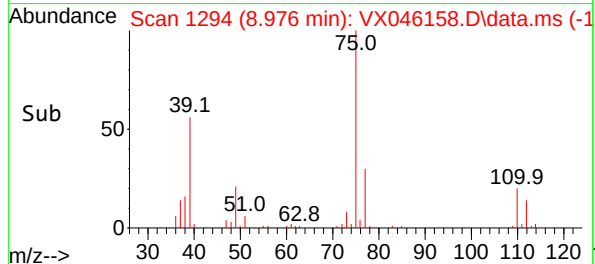
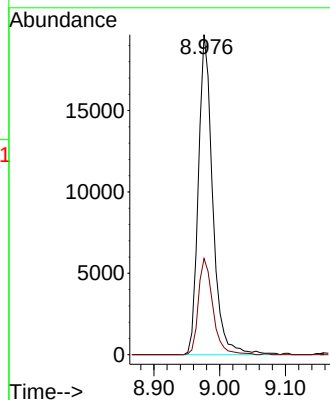
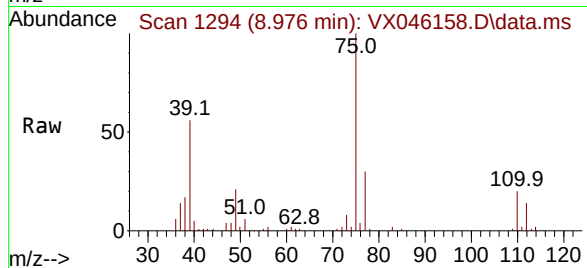
77 30.0 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#54

cis-1,3-Dichloropropene

Concen: 19.178 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

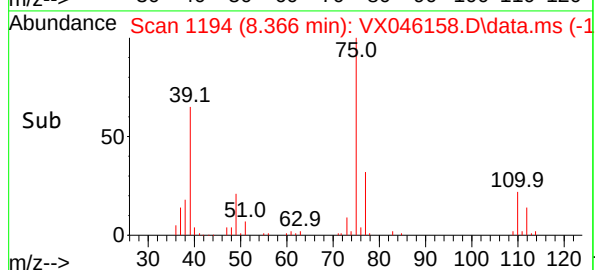
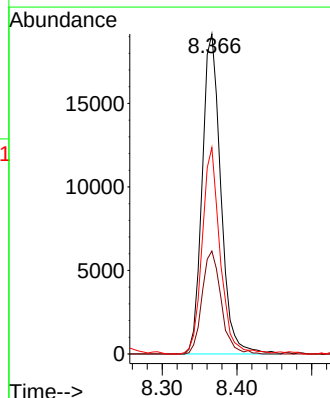
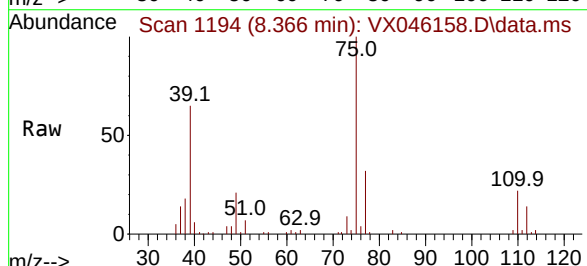
Tgt Ion: 75 Resp: 33119

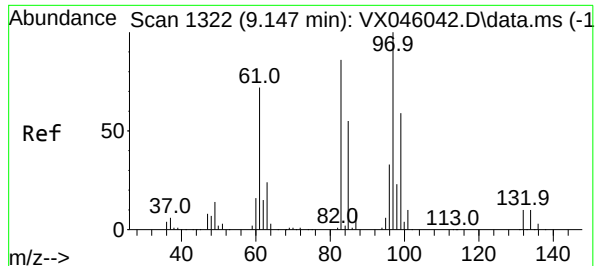
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

39 64.5 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 20.135 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 97 Resp: 2215

Ion Ratio Lower Upper

97 100

83 89.2 69.0 103.6

85 56.2 44.3 66.5

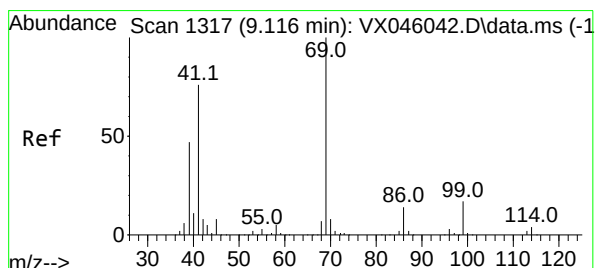
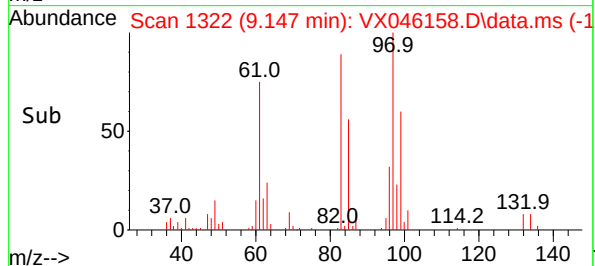
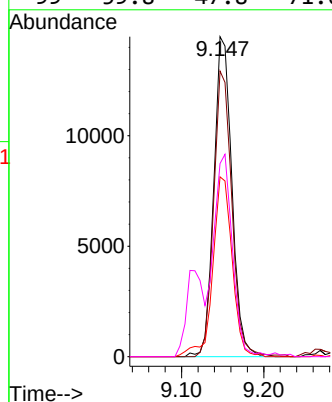
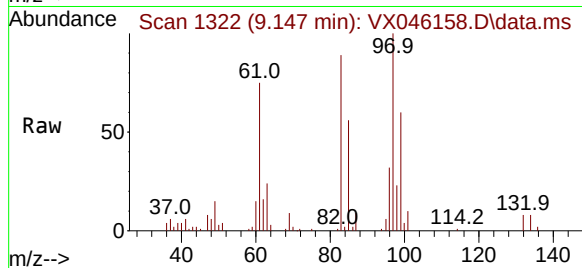
99 59.8 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#56

Ethyl methacrylate

Concen: 20.448 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

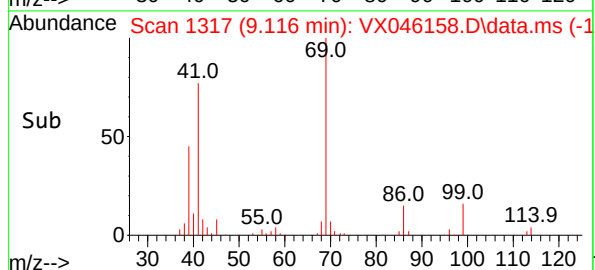
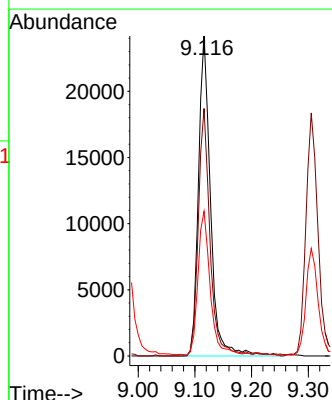
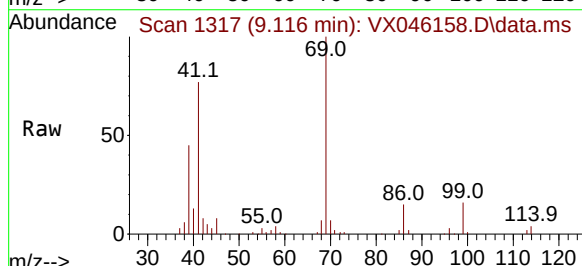
Tgt Ion: 69 Resp: 35859

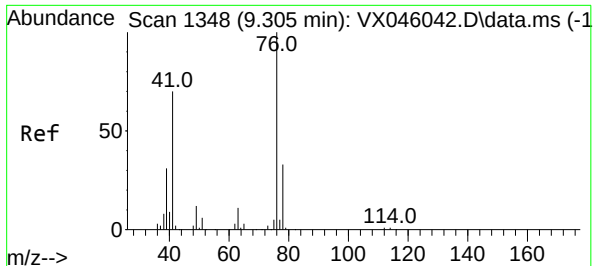
Ion Ratio Lower Upper

69 100

41 75.0 60.8 91.2

39 44.6 39.0 58.6





#57

1,3-Dichloropropane

Concen: 19.808 ug/l

RT: 9.305 min Scan# 1134

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 76 Resp: 3914

Ion Ratio Lower Upper

76 100

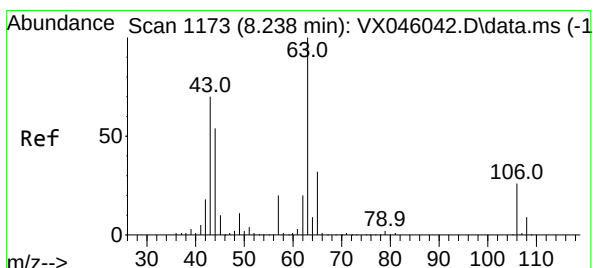
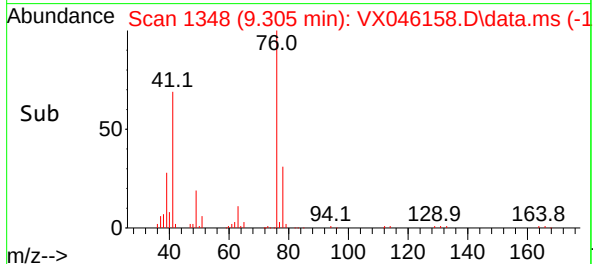
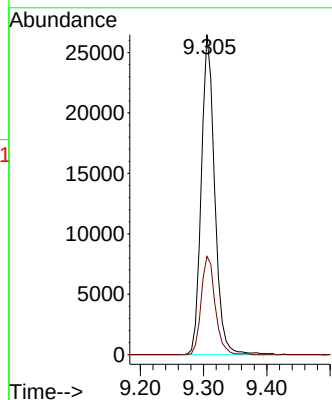
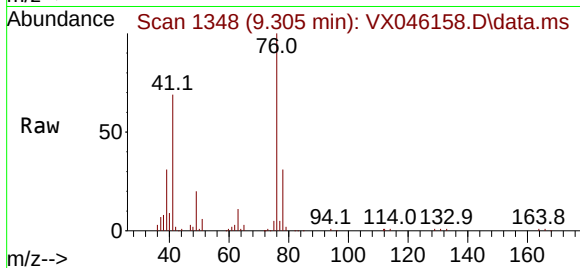
78 32.0 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#58

2-Chloroethyl Vinyl ether

Concen: 105.779 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX046158.D

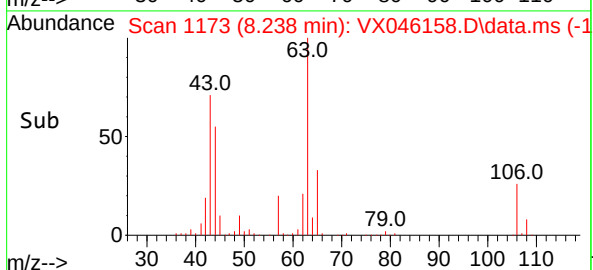
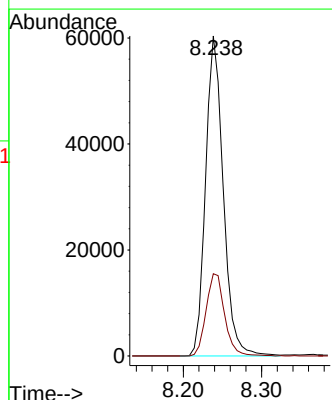
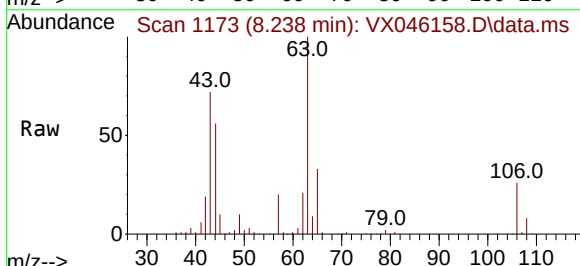
Acq: 13 May 2025 12:02

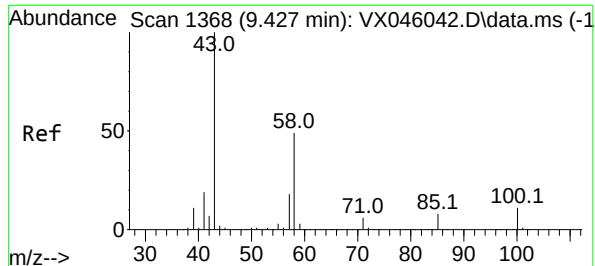
Tgt Ion: 63 Resp: 94573

Ion Ratio Lower Upper

63 100

106 26.9 21.5 32.3





#59

2-Hexanone

Concen: 102.355 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 43 Resp: 14720

Ion Ratio Lower Upper

43 100

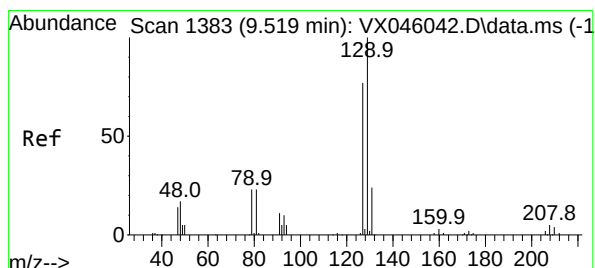
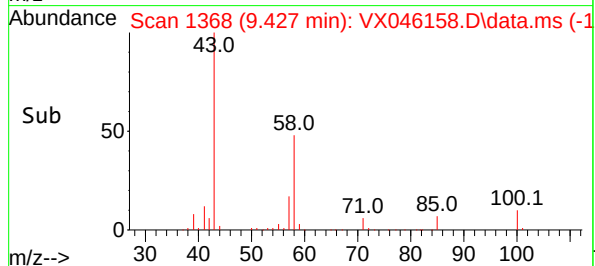
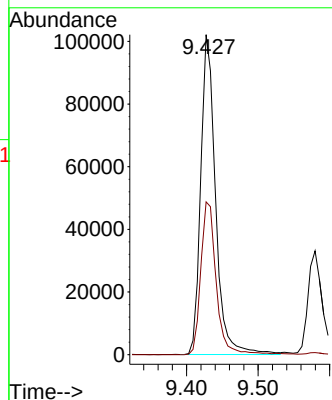
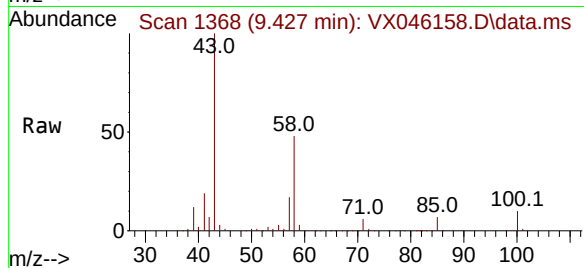
58 49.9 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#60

Dibromochloromethane

Concen: 19.867 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX046158.D

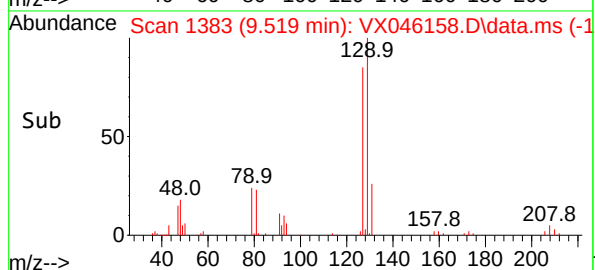
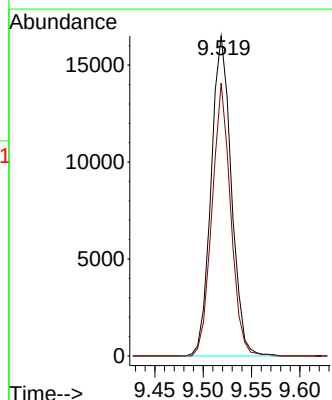
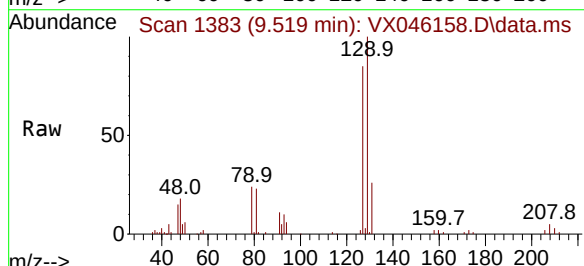
Acq: 13 May 2025 12:02

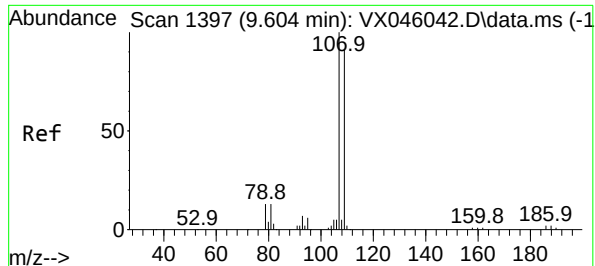
Tgt Ion:129 Resp: 24008

Ion Ratio Lower Upper

129 100

127 78.6 39.3 117.8





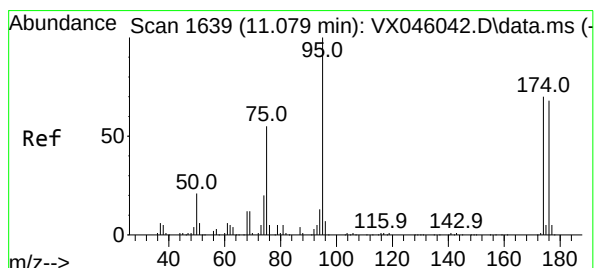
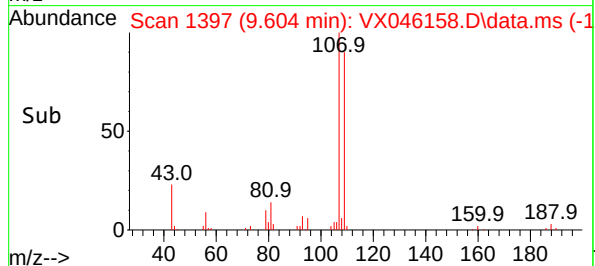
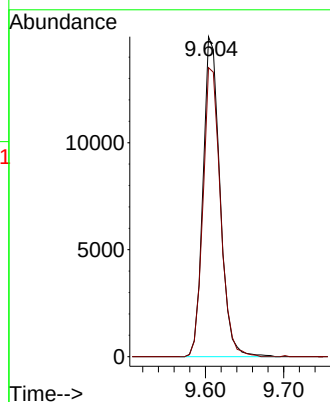
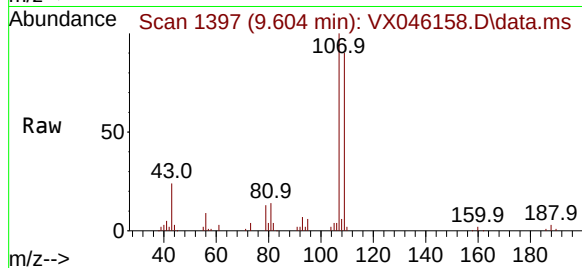
#61
1,2-Dibromoethane
Concen: 19.625 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tgt Ion:107 Resp: 2244
Ion Ratio Lower Upper
107 100
109 93.2 73.3 109.9

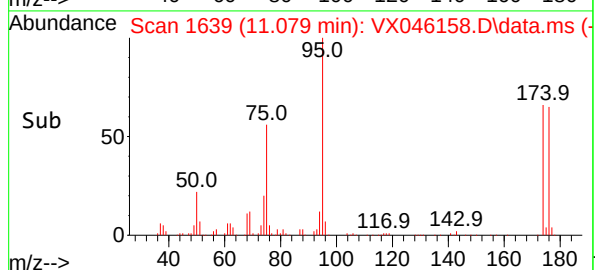
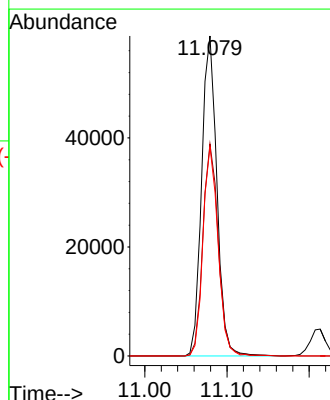
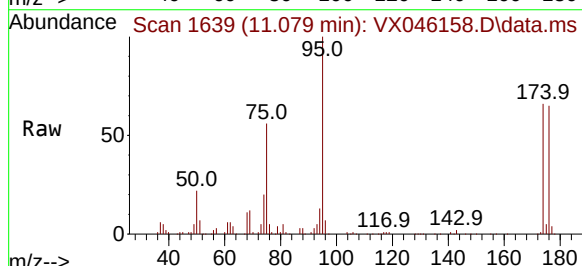
Manual Integrations
APPROVED

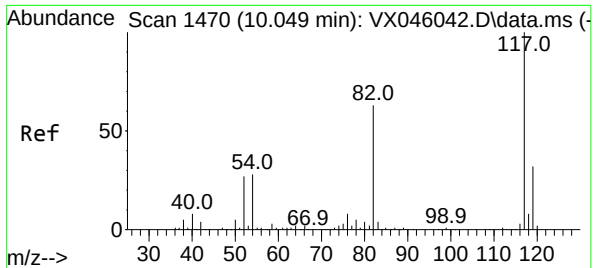
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#62
4-Bromofluorobenzene
Concen: 49.293 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

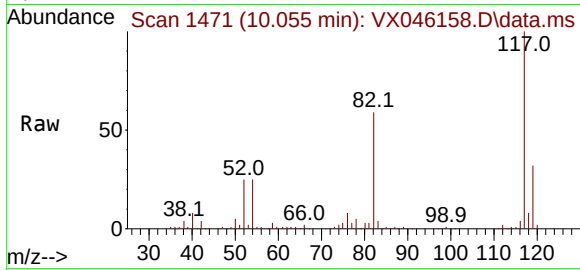
Tgt Ion: 95 Resp: 75677
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.8
176 64.6 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

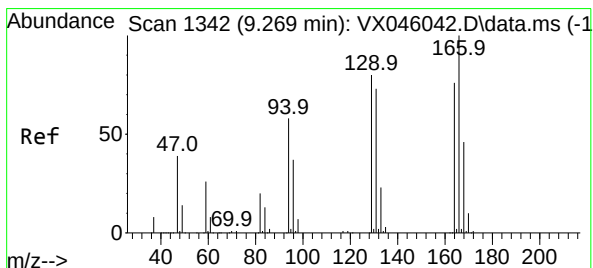
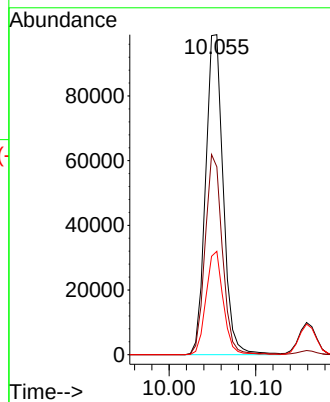
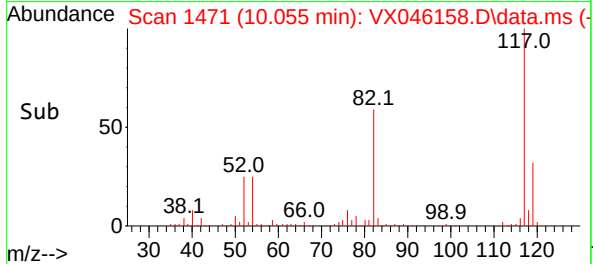
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion:117 Resp: 13996
Ion Ratio Lower Upper
117 100
82 58.7 50.6 76.0
119 32.3 25.8 38.6

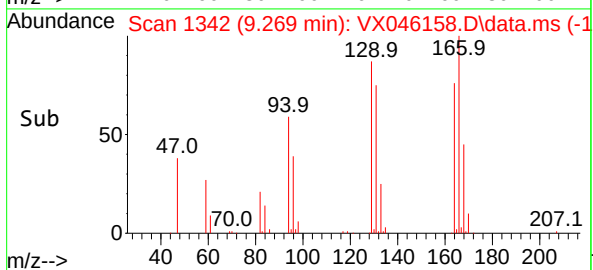
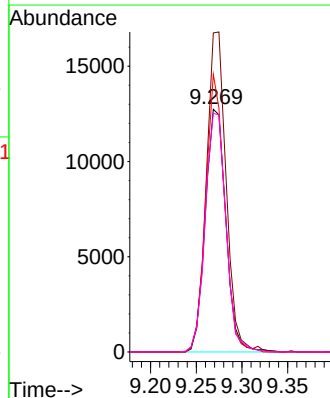
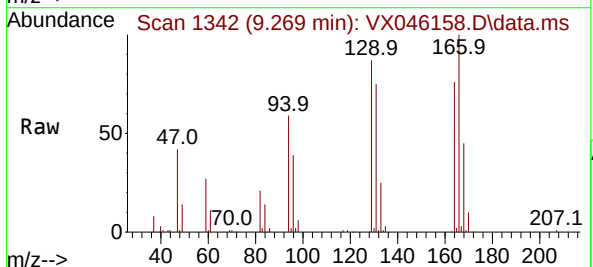
Manual Integrations
APPROVED

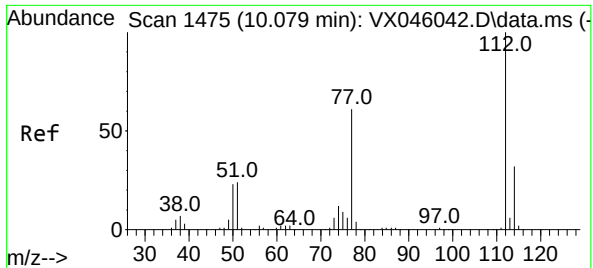
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#64
Tetrachloroethene
Concen: 20.132 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

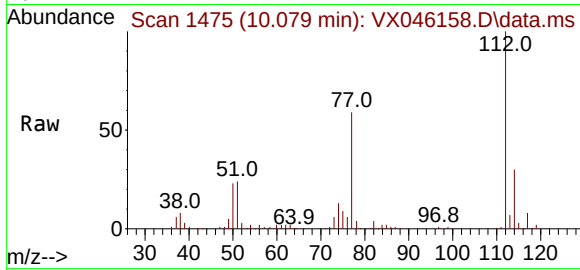
Tgt Ion:164 Resp: 19937
Ion Ratio Lower Upper
164 100
166 131.4 105.0 157.6
129 114.3 83.5 125.3
131 98.3 76.5 114.7





#65
Chlorobenzene
Concen: 19.740 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

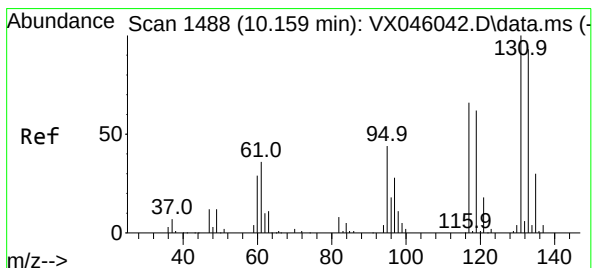
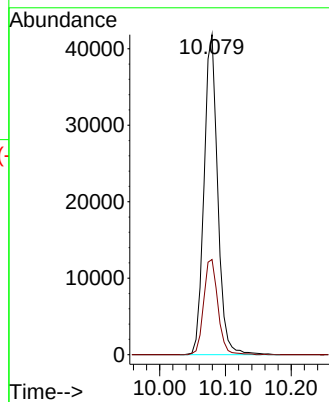
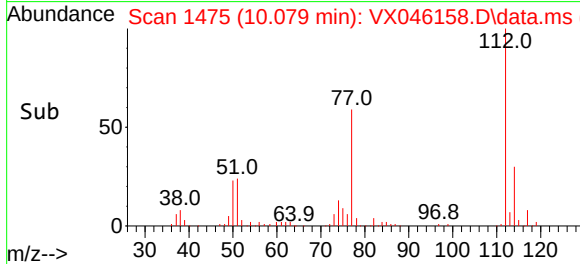
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion:112 Resp: 6047
Ion Ratio Lower Upper
112 100
114 29.7 25.4 38.2

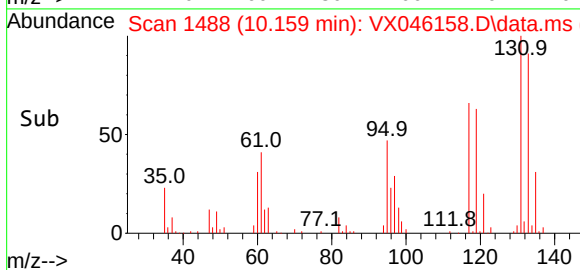
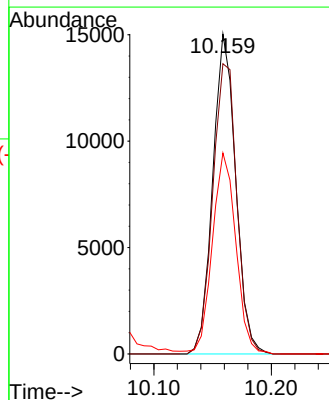
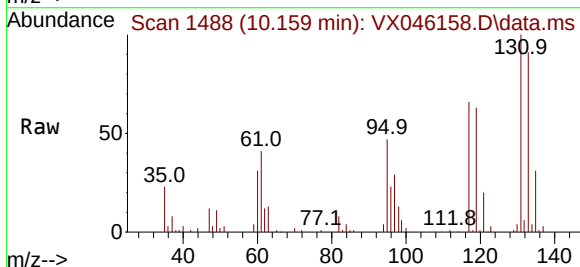
Manual Integrations
APPROVED

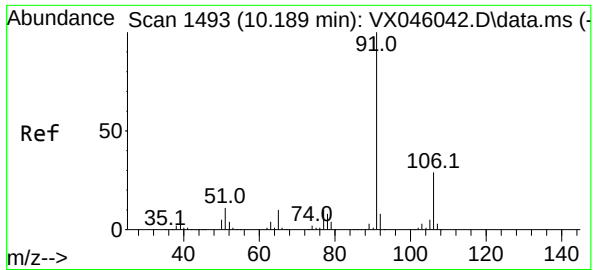
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.493 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

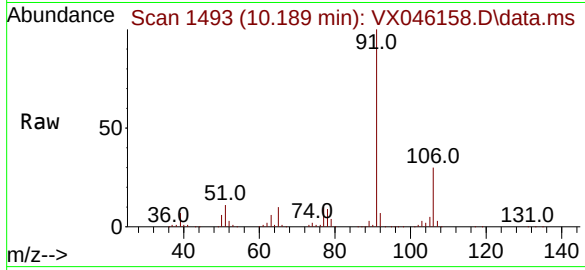
Tgt Ion:131 Resp: 20391
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 64.5 31.6 95.0





#67
Ethyl Benzene
Concen: 19.502 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

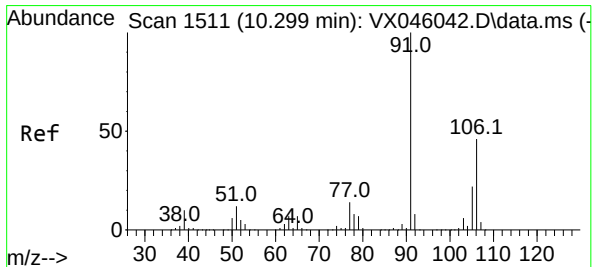
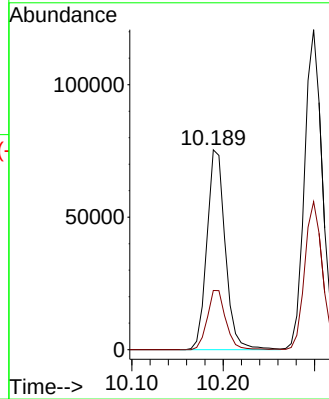
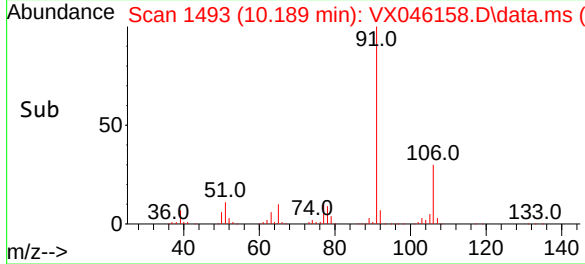
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion: 91 Resp: 105309
Ion Ratio Lower Upper
91 100
106 29.6 23.4 35.2

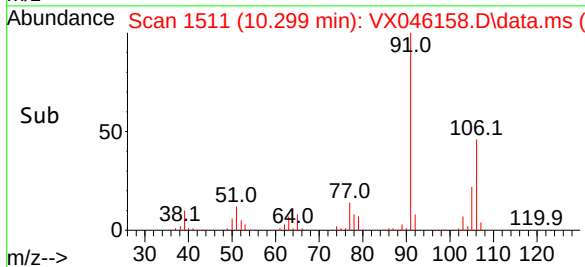
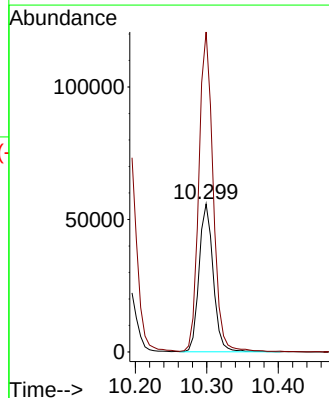
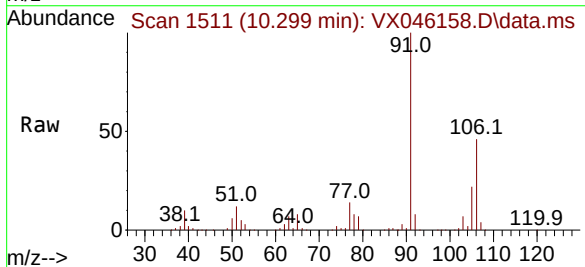
Manual Integrations
APPROVED

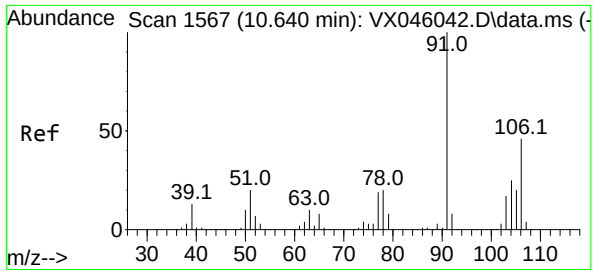
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#68
m/p-Xylenes
Concen: 38.857 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

Tgt Ion:106 Resp: 76744
Ion Ratio Lower Upper
106 100
91 217.8 171.2 256.8





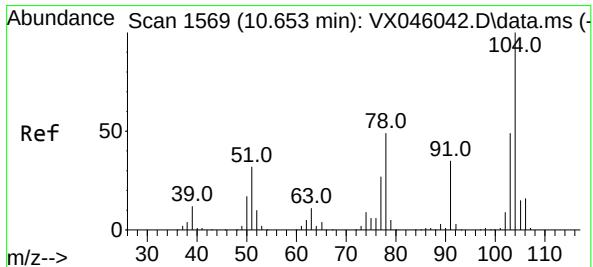
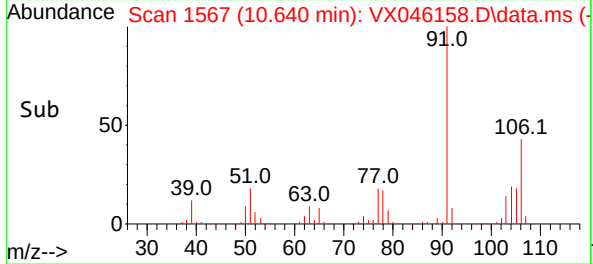
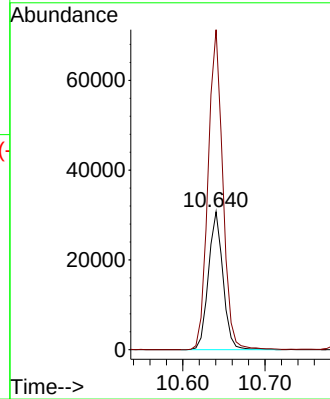
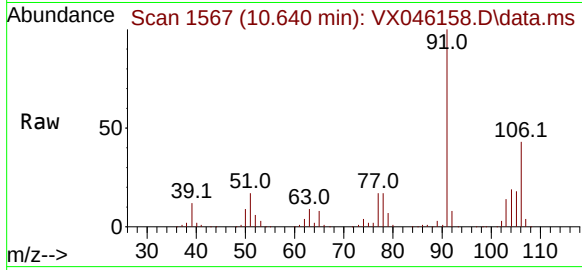
#69
o-Xylene
Concen: 19.604 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01

Tgt Ion:106 Resp: 3774
Ion Ratio Lower Upper
106 100
91 235.1 112.7 338.1

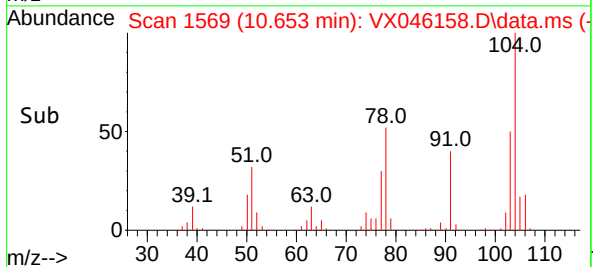
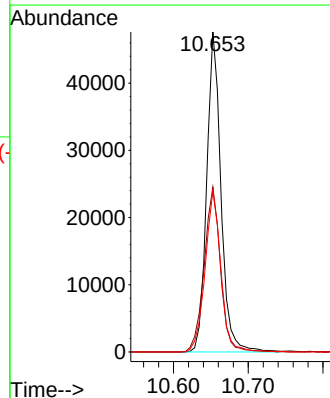
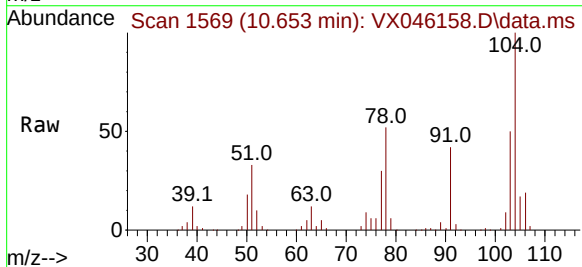
Manual Integrations
APPROVED

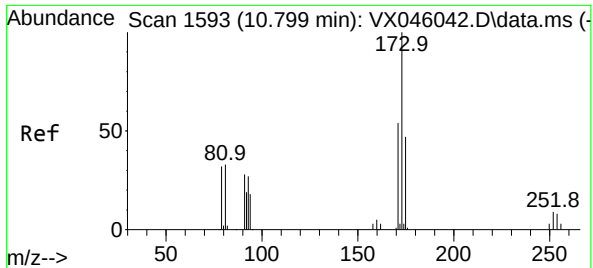
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#70
Styrene
Concen: 20.068 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

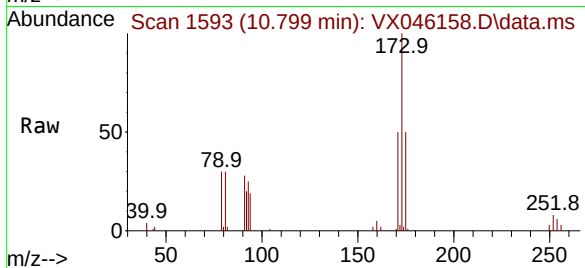
Tgt Ion:104 Resp: 63297
Ion Ratio Lower Upper
104 100
78 58.6 45.7 68.5
103 55.8 43.7 65.5





#71
Bromoform
Concen: 19.155 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

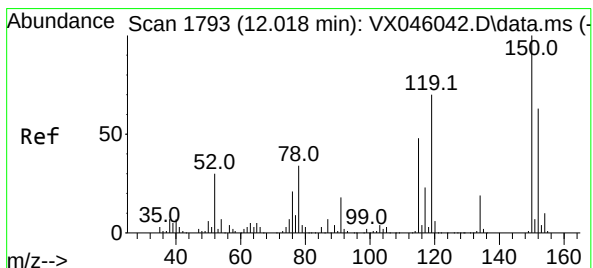
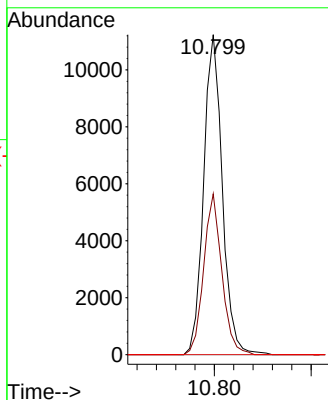
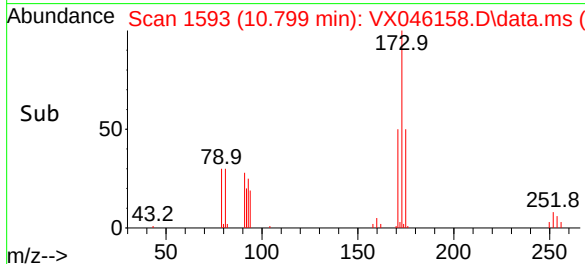
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion:173 Resp: 15044
Ion Ratio Lower Upper
173 100
175 49.0 23.4 70.0
254 0.0 0.0 0.0

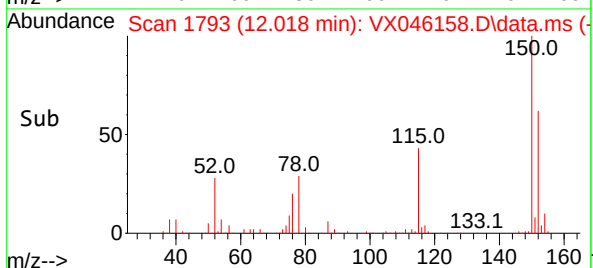
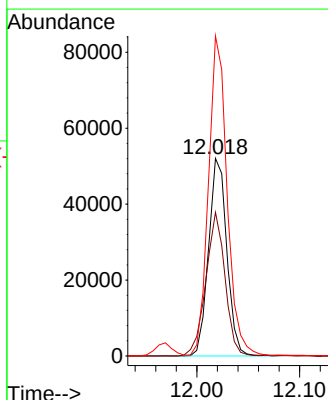
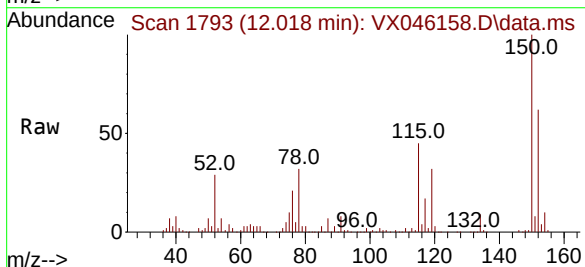
Manual Integrations
APPROVED

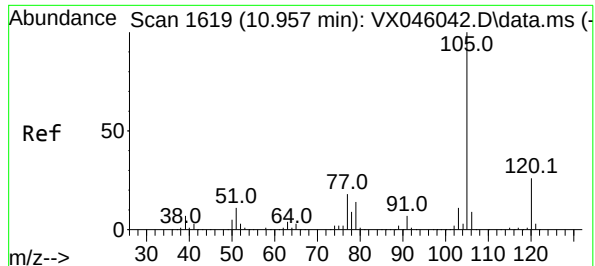
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

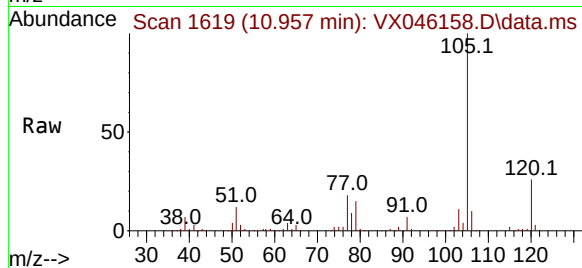
Tgt Ion:152 Resp: 64268
Ion Ratio Lower Upper
152 100
115 76.4 46.9 140.7
150 165.3 0.0 351.0





#73
Isopropylbenzene
Concen: 20.447 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

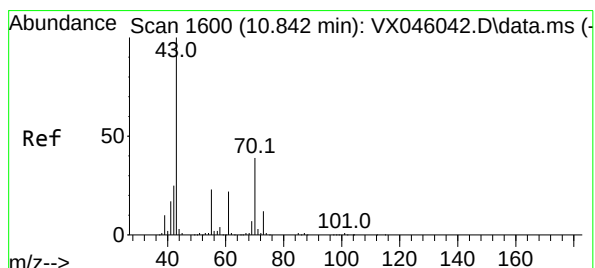
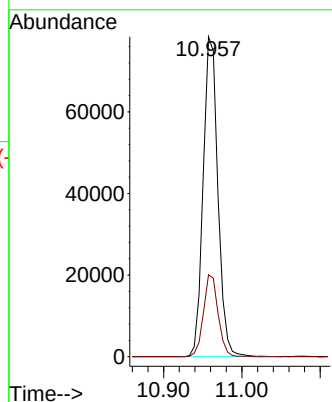
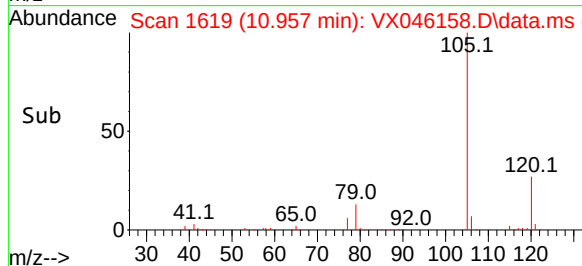
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion:105 Resp: 10230
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.4

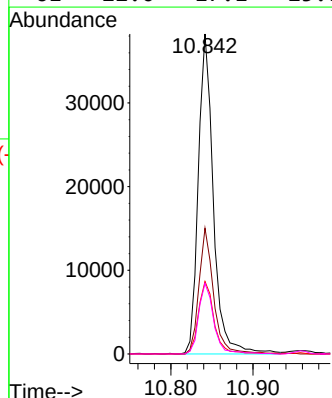
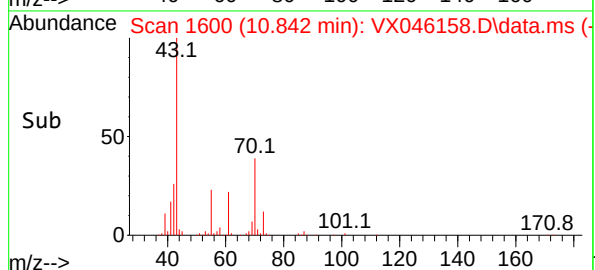
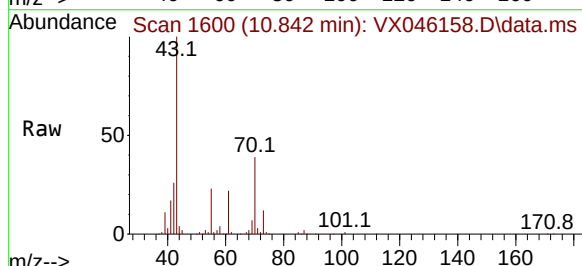
Manual Integrations
APPROVED

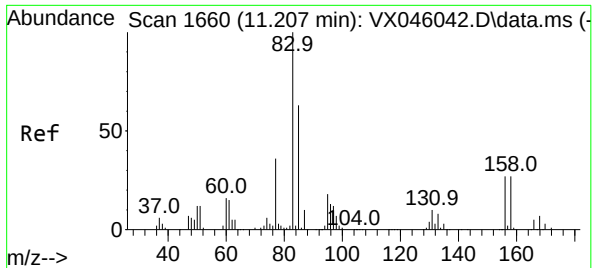
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#74
N-ethyl acetate
Concen: 19.781 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

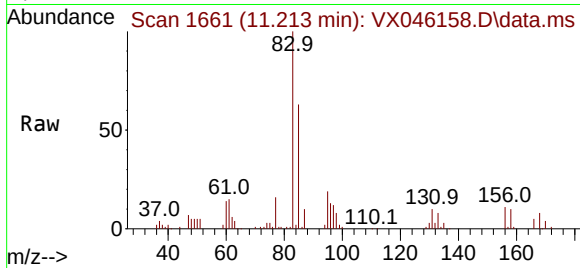
Tgt Ion: 43 Resp: 48907
Ion Ratio Lower Upper
43 100
70 38.2 30.9 46.3
55 23.5 18.7 28.1
61 22.0 17.1 25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 20.018 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

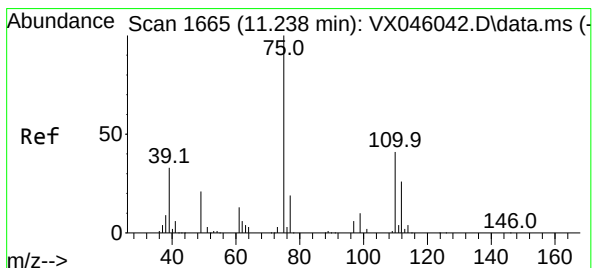
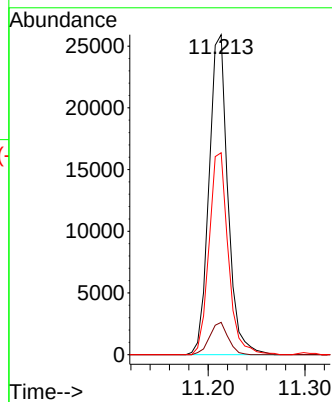
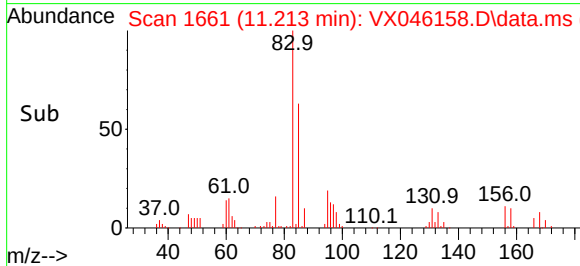
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion: 83 Resp: 35099
Ion Ratio Lower Upper
83 100
131 9.9 5.0 14.9
85 64.3 31.9 95.7

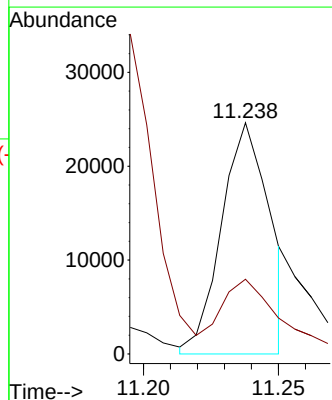
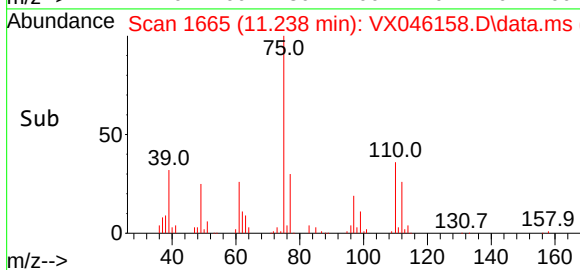
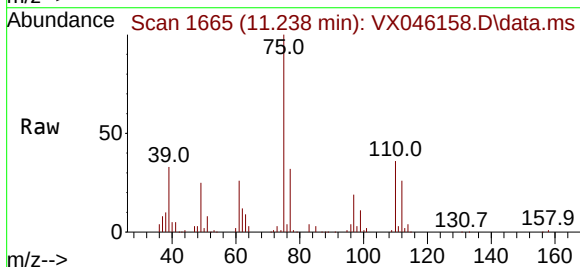
Manual Integrations
APPROVED

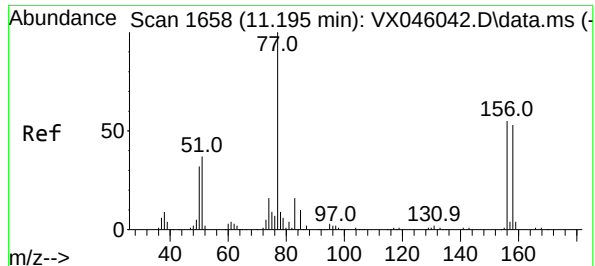
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#76
1,2,3-Trichloropropane
Concen: 19.759 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

Tgt Ion: 75 Resp: 30566
Ion Ratio Lower Upper
75 100
77 40.5 20.5 61.5





#77

Bromobenzene

Concen: 19.599 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

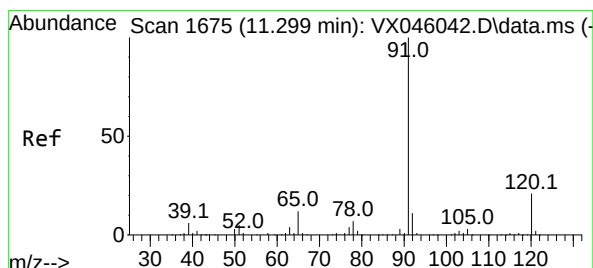
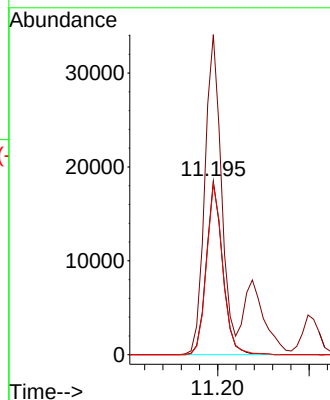
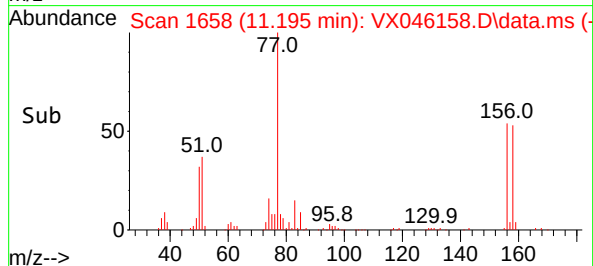
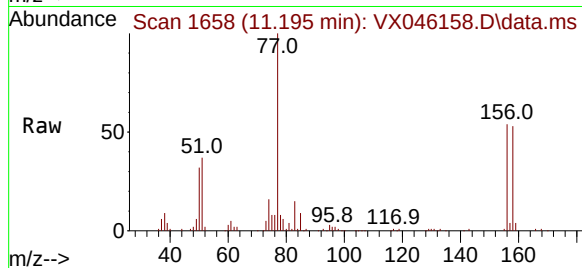
Tgt Ion:	156	Resp:	2276
Ion	Ratio	Lower	Upper
156	100		
77	188.4	92.8	278.3
158	98.9	48.8	146.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#78

n-propylbenzene

Concen: 19.870 ug/l

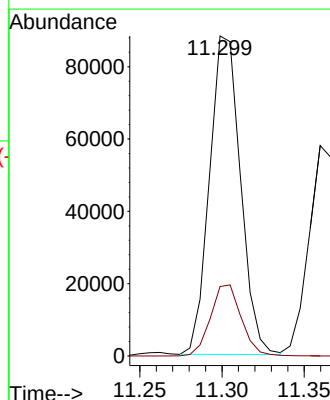
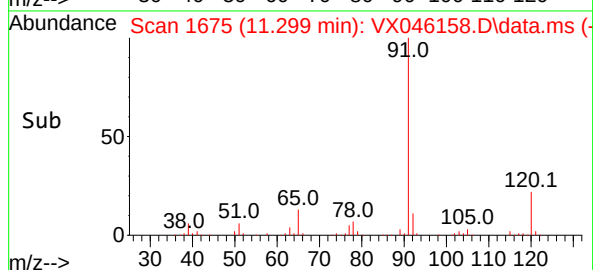
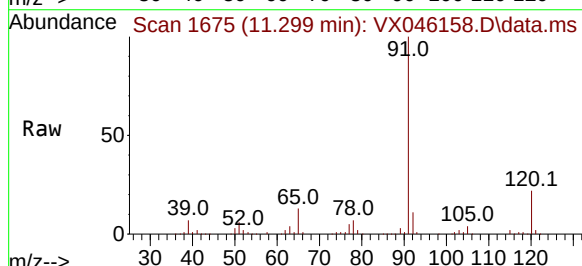
RT: 11.299 min Scan# 1675

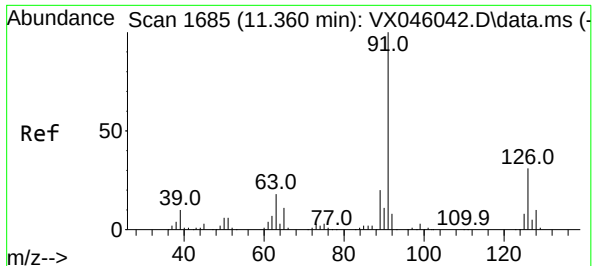
Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Tgt Ion:	91	Resp:	115599
Ion	Ratio	Lower	Upper
91	100		
120	22.2	10.8	32.4





#79

2-Chlorotoluene

Concen: 20.000 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 91 Resp: 75050

Ion Ratio Lower Upper

91 100

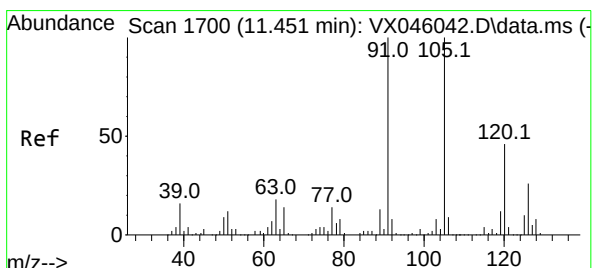
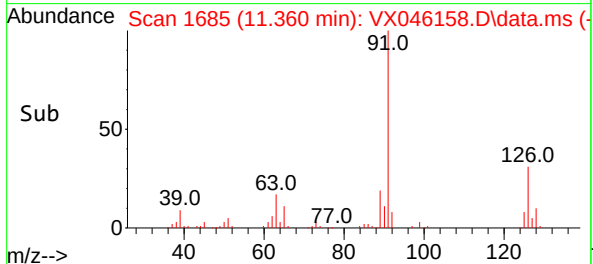
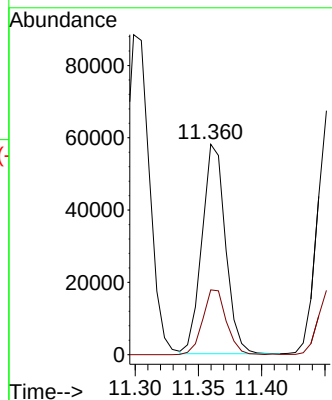
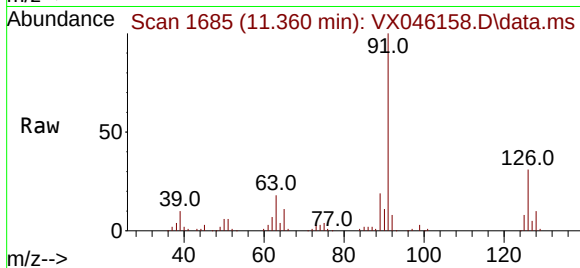
126 31.2 15.6 46.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.742 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046158.D

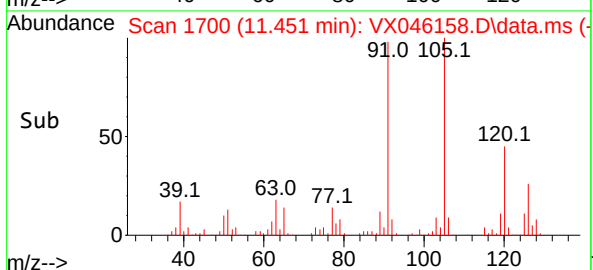
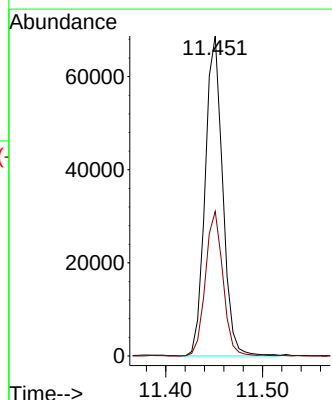
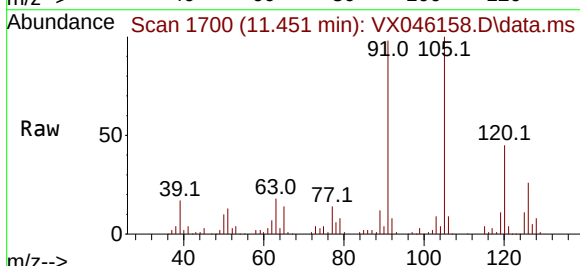
Acq: 13 May 2025 12:02

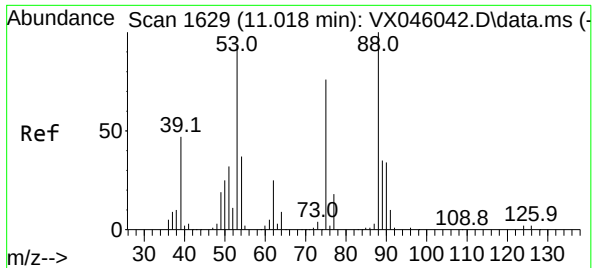
Tgt Ion:105 Resp: 86702

Ion Ratio Lower Upper

105 100

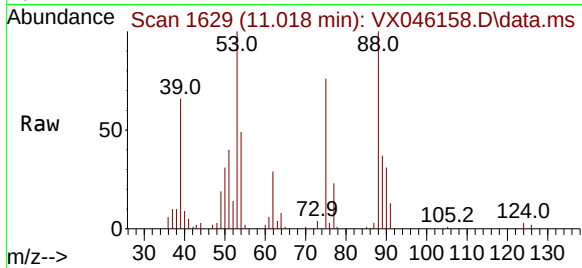
120 45.3 23.1 69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 16.959 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

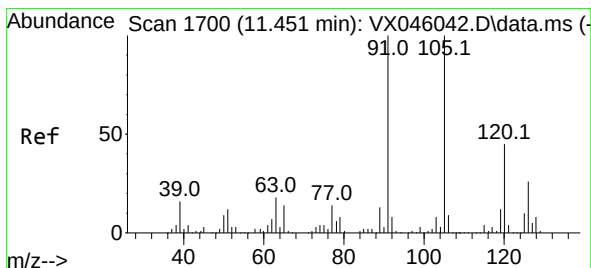
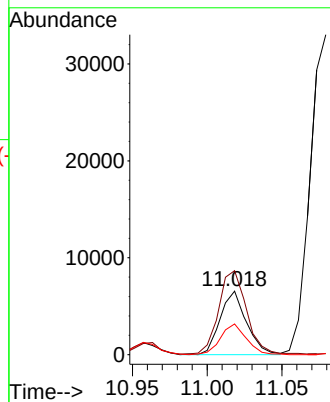
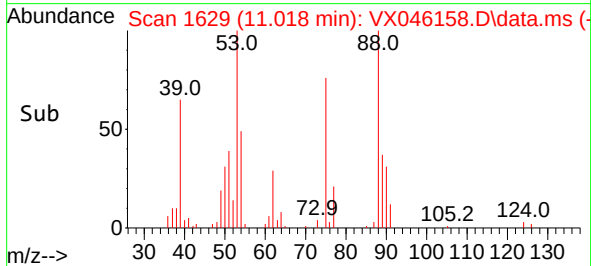
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion: 75 Resp: 8058
Ion Ratio Lower Upper
75 100
53 142.2 100.5 150.7
89 47.5 37.0 55.6

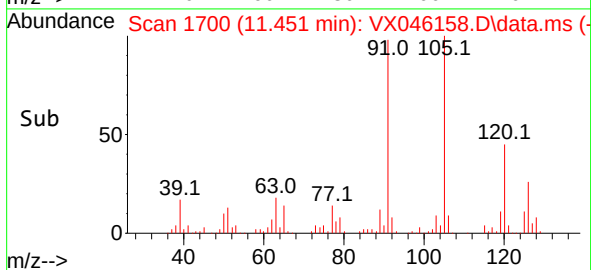
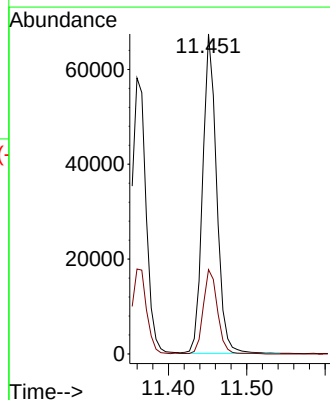
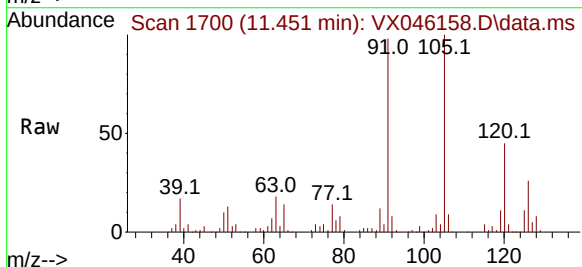
Manual Integrations
APPROVED

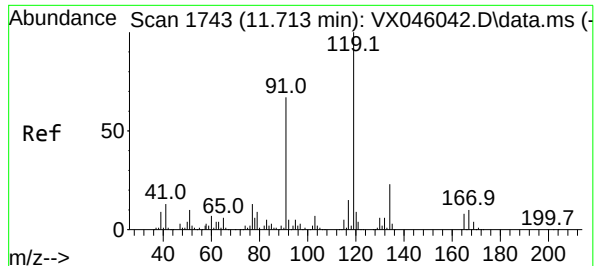
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#82
4-Chlorotoluene
Concen: 20.007 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

Tgt Ion: 91 Resp: 83255
Ion Ratio Lower Upper
91 100
126 27.0 13.3 39.8





#83

tert-Butylbenzene

Concen: 19.864 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion:119 Resp: 8363

Ion Ratio Lower Upper

119 100

91 67.4 32.9 98.7

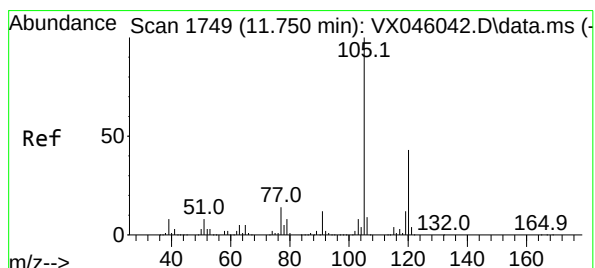
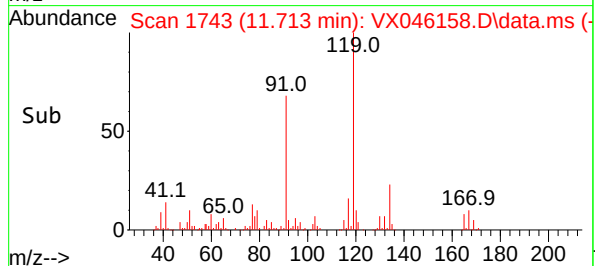
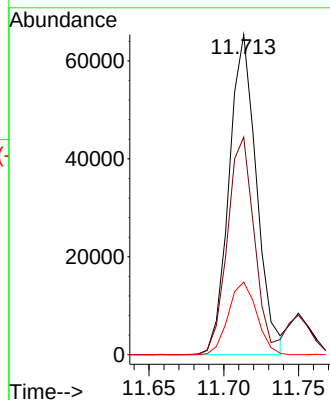
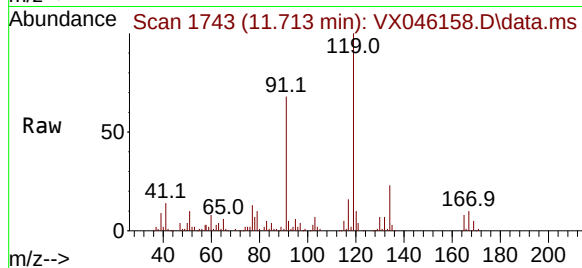
134 23.4 11.4 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.771 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046158.D

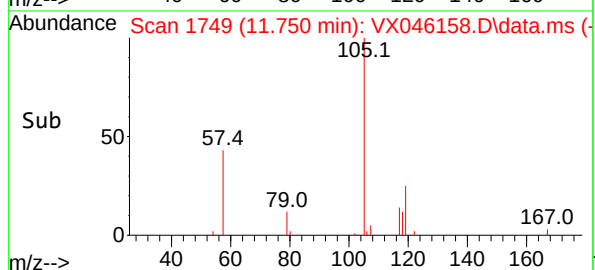
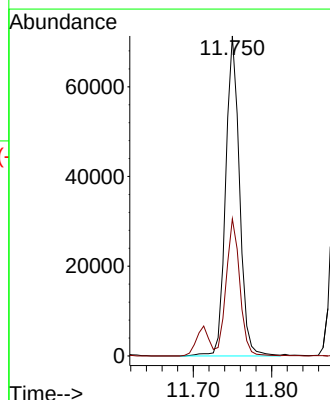
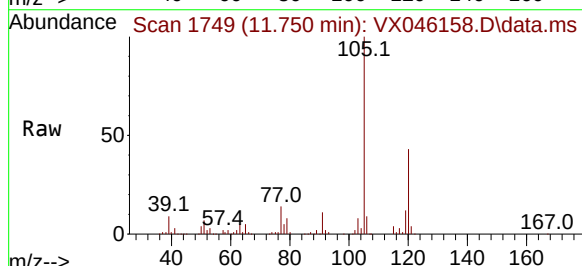
Acq: 13 May 2025 12:02

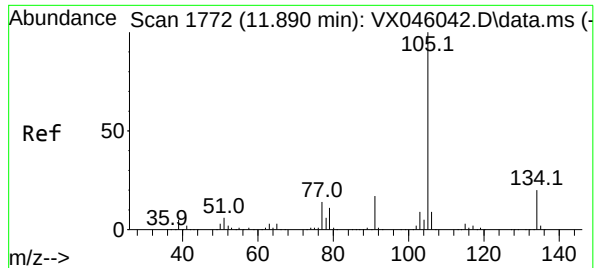
Tgt Ion:105 Resp: 87926

Ion Ratio Lower Upper

105 100

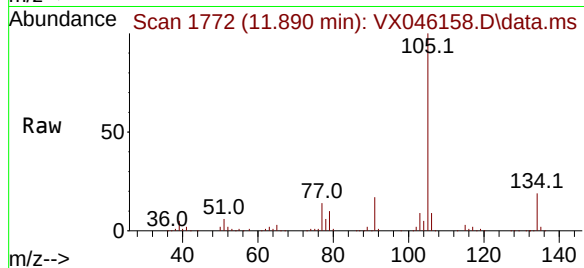
120 42.4 21.2 63.6





#85
 sec-Butylbenzene
 Concen: 20.131 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX046158.D
 Acq: 13 May 2025 12:02

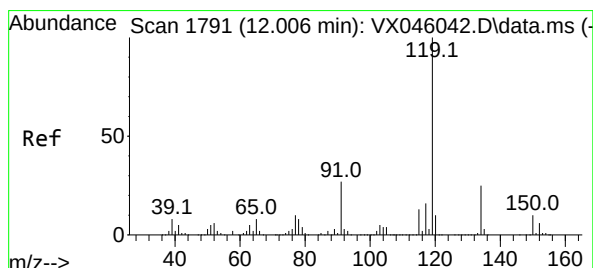
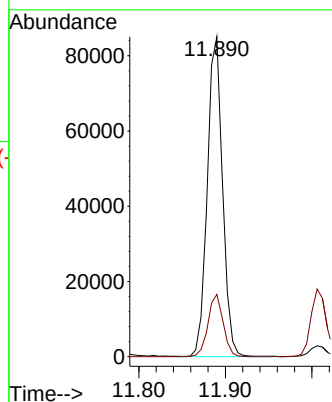
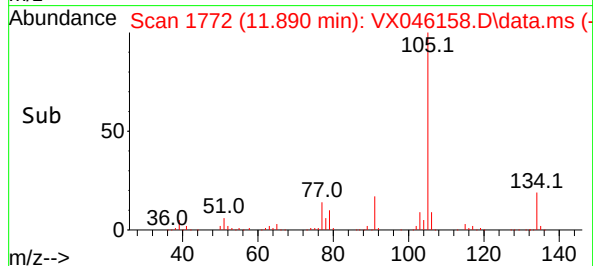
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01



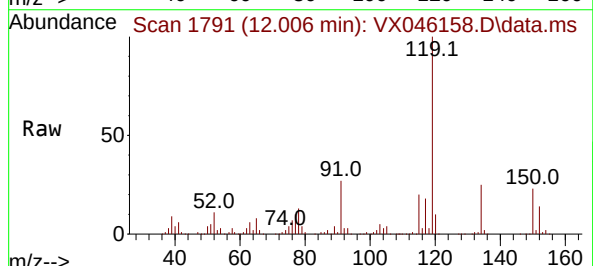
Tgt Ion:105 Resp: 10407
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 29.1

Manual Integrations
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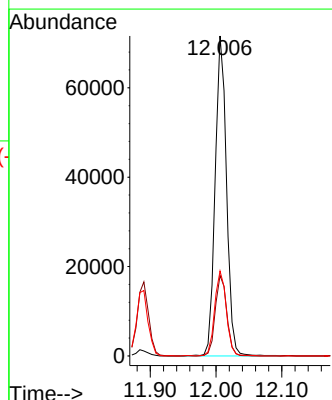
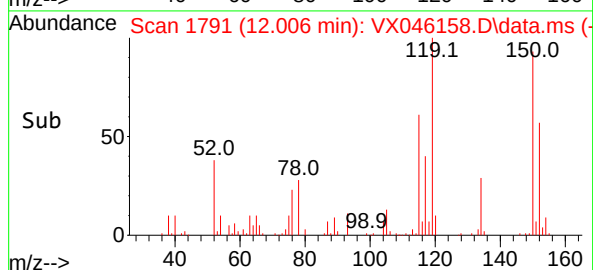
Reviewed By :John Carlone 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025

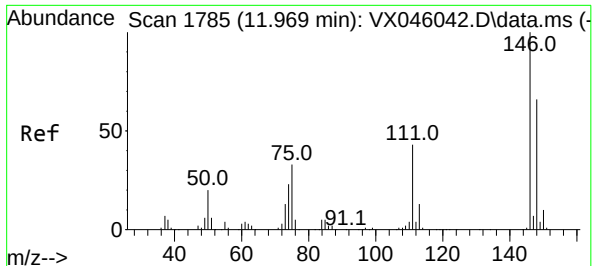


#86
 p-Isopropyltoluene
 Concen: 20.164 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX046158.D
 Acq: 13 May 2025 12:02



Tgt Ion:119 Resp: 86044
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.5 37.5
 91 27.3 13.8 41.4





#87

1,3-Dichlorobenzene

Concen: 19.749 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion:146 Resp: 4186

Ion Ratio Lower Upper

146 100

111 44.5 22.1 66.3

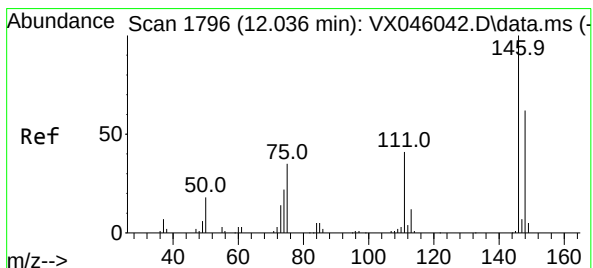
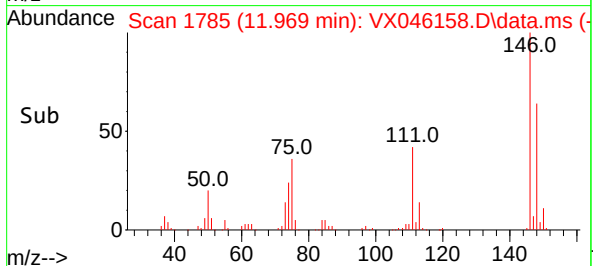
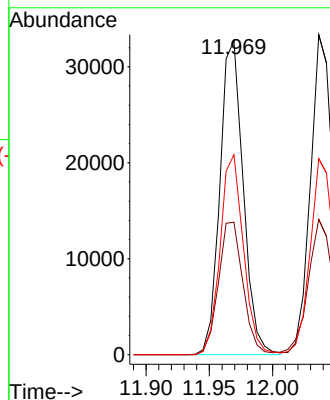
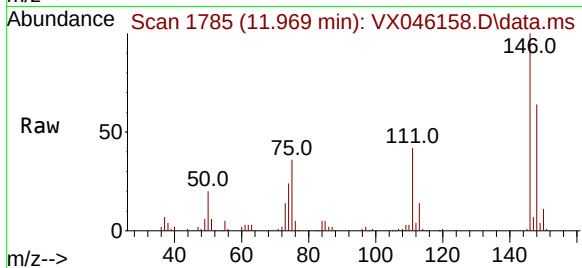
148 63.8 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#88

1,4-Dichlorobenzene

Concen: 19.444 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

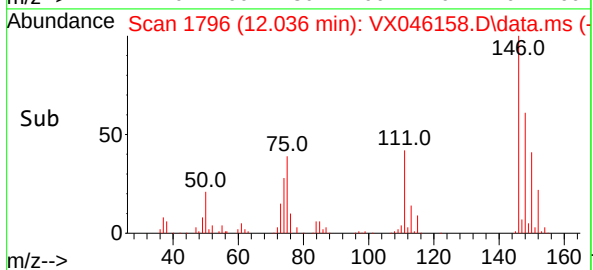
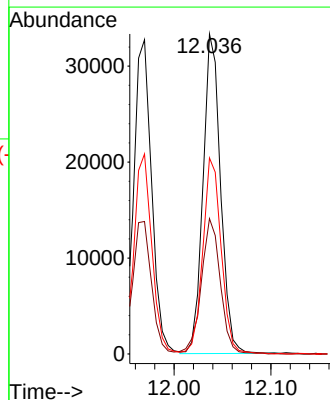
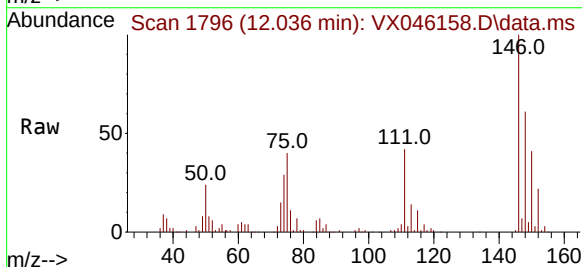
Tgt Ion:146 Resp: 42098

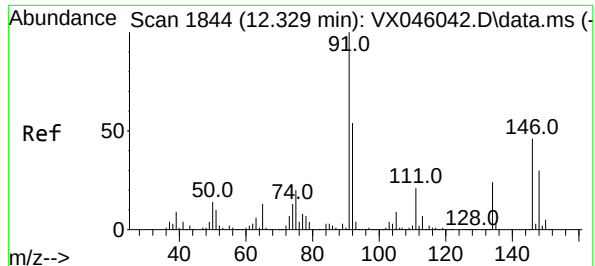
Ion Ratio Lower Upper

146 100

111 46.2 21.3 63.9

148 64.3 31.9 95.5





#89

n-Butylbenzene

Concen: 19.049 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

Tgt Ion: 91 Resp: 71304

Ion Ratio Lower Upper

91 100

92 53.0 26.9 80.7

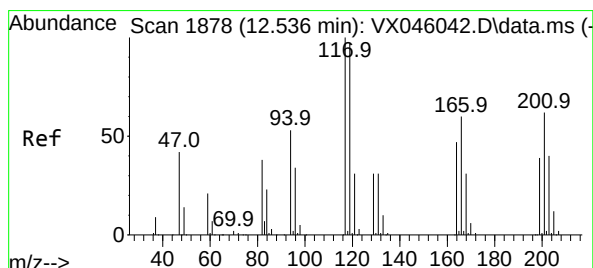
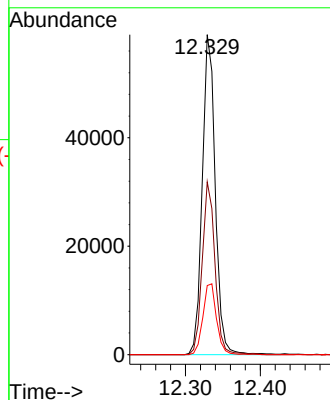
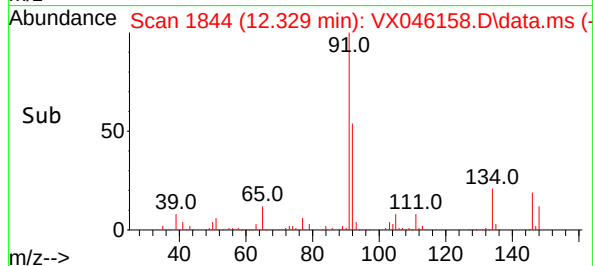
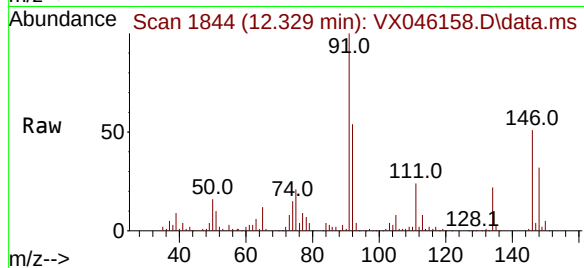
134 23.2 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#90

Hexachloroethane

Concen: 19.688 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX046158.D

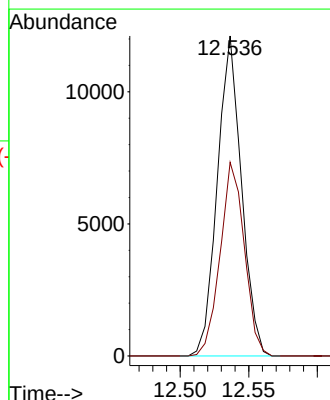
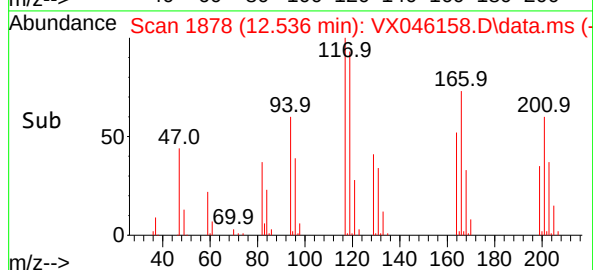
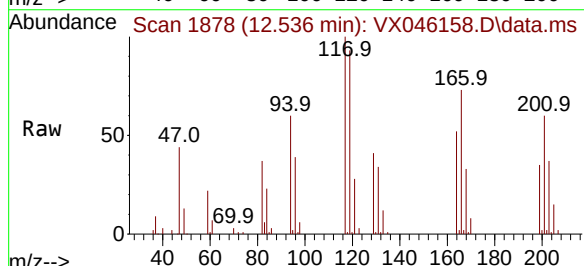
Acq: 13 May 2025 12:02

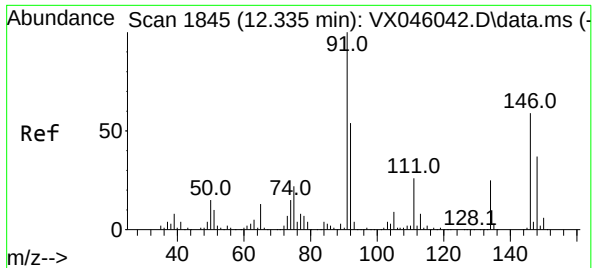
Tgt Ion:117 Resp: 14801

Ion Ratio Lower Upper

117 100

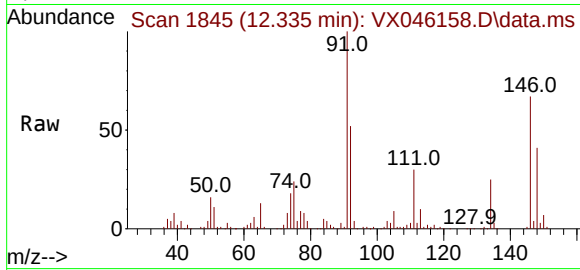
201 60.9 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 20.520 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

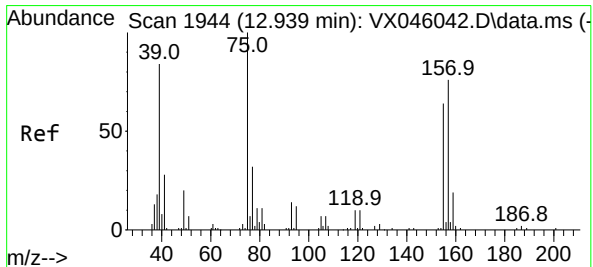
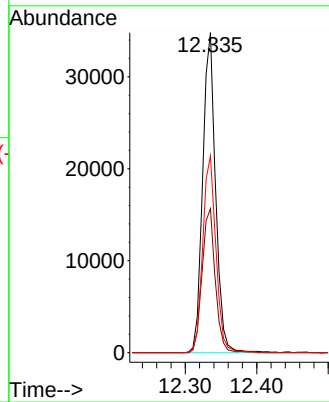
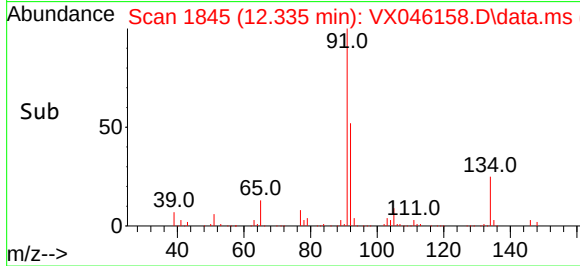
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



Tgt Ion:146 Resp: 4365
Ion Ratio Lower Upper
146 100
111 46.0 22.4 67.3
148 62.7 31.6 94.8

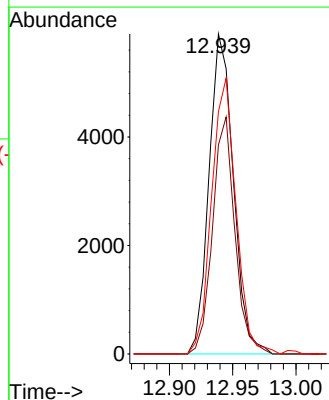
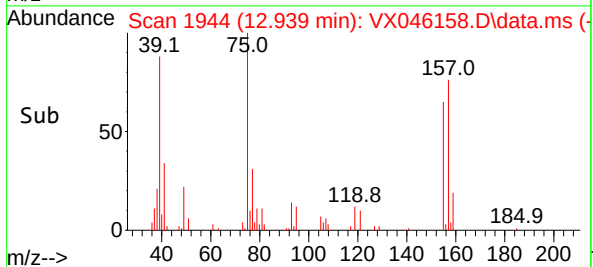
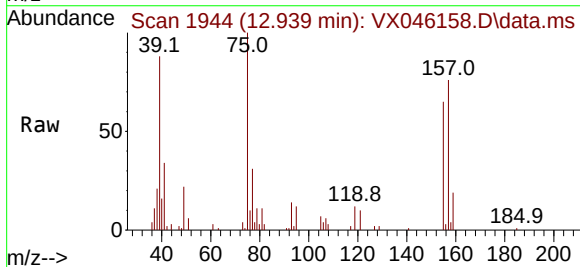
Manual Integrations
APPROVED

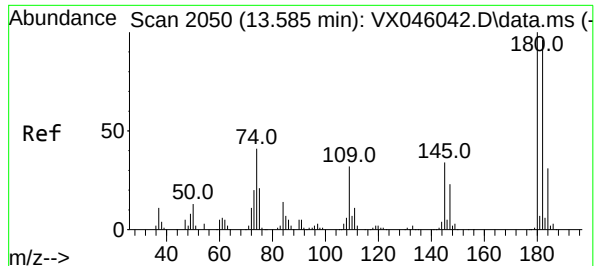
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.346 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

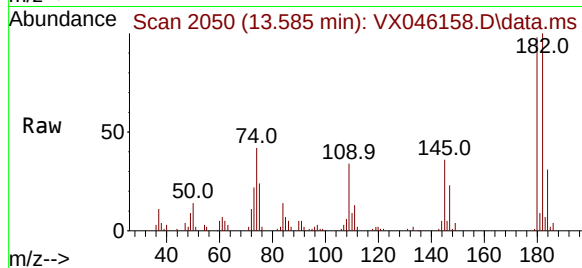
Tgt Ion: 75 Resp: 7903
Ion Ratio Lower Upper
75 100
155 67.9 34.9 104.8
157 86.2 43.8 131.4





#93
1,2,4-Trichlorobenzene
Concen: 18.584 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02

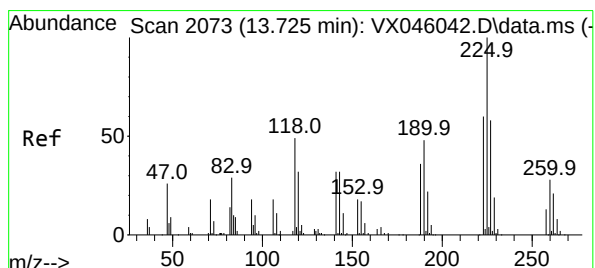
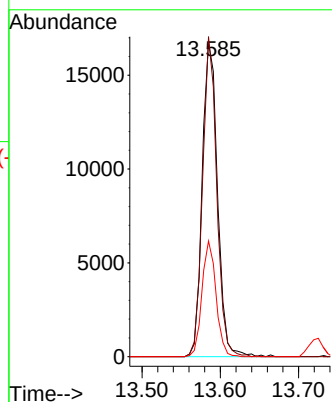
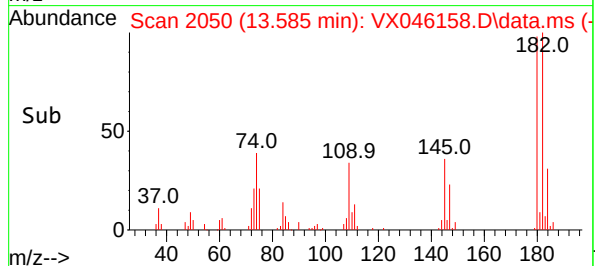
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBS01



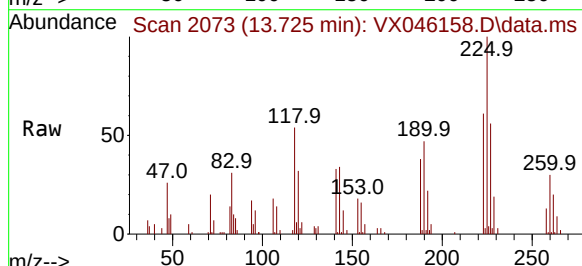
Tgt Ion:180 Resp: 22708
Ion Ratio Lower Upper
180 100
182 94.3 47.9 143.8
145 33.8 17.1 51.2

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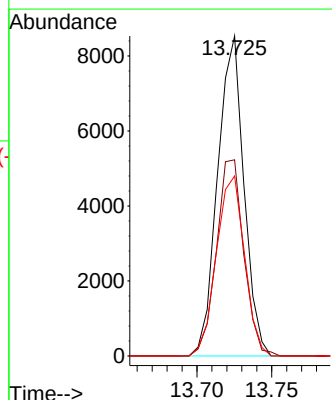
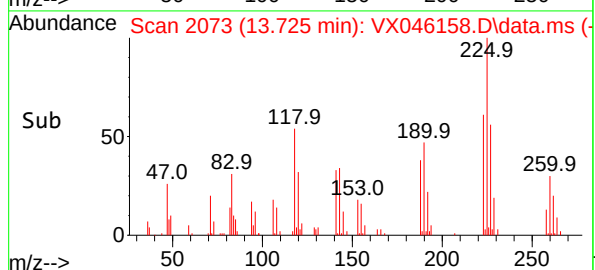
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

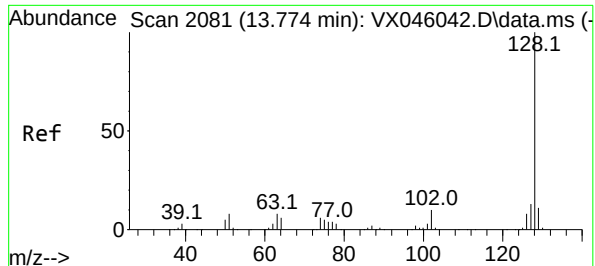


#94
Hexachlorobutadiene
Concen: 19.541 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046158.D
Acq: 13 May 2025 12:02



Tgt Ion:225 Resp: 10428
Ion Ratio Lower Upper
225 100
223 63.8 30.8 92.4
227 60.3 30.9 92.7





#95

Naphthalene

Concen: 18.735 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBS01

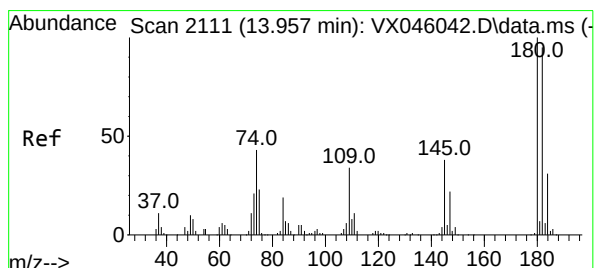
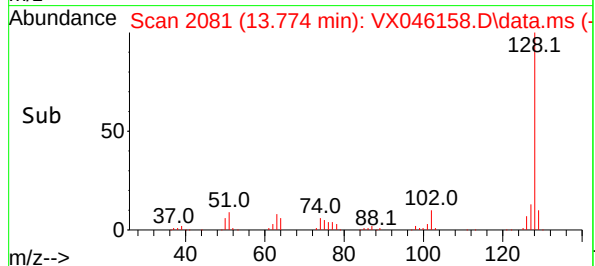
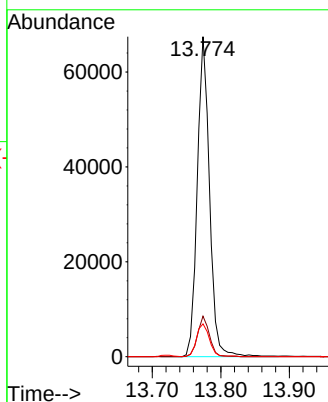
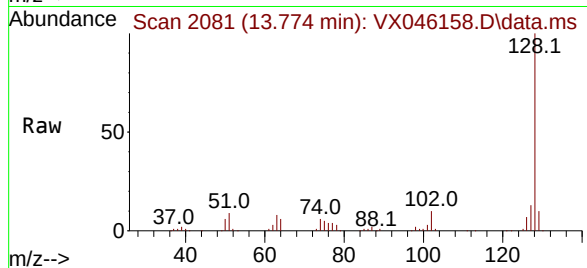
Tgt Ion:	128	Resp:	8395
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#96

1,2,3-Trichlorobenzene

Concen: 18.868 ug/l

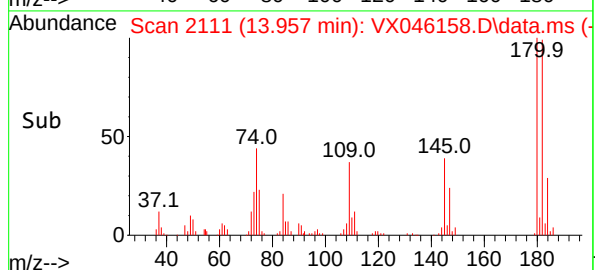
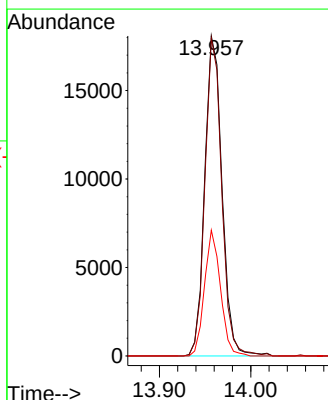
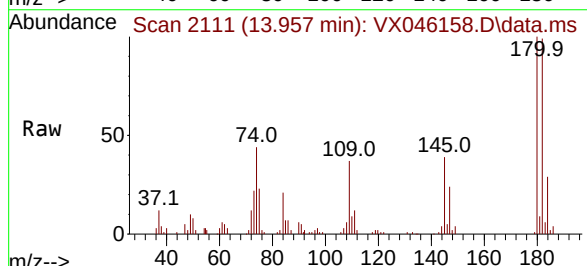
RT: 13.957 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX046158.D

Acq: 13 May 2025 12:02

Tgt Ion:	180	Resp:	23788
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.8	143.3
145	36.3	18.1	54.3



Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VX0514WBS01	SDG No.:	Q2001
Lab Sample ID:	VX0514WBS01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046188.D	1		05/14/25 12:46	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.8		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.23	1.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.25	1.00	ug/L
67-66-3	Chloroform	20.6		0.25	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.9		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	87900	5.55			
540-36-3	1,4-Difluorobenzene	156000	6.757			
3114-55-4	Chlorobenzene-d5	138000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63300	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046188.D
 Acq On : 14 May 2025 12:46
 Operator : JC/MD
 Sample : VX0514WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/15/2025
 Supervised By : Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:20:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	87880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155746	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85335	52.085	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.180%			
35) Dibromofluoromethane	5.385	113	57455	51.229	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.460%			
50) Toluene-d8	8.647	98	199212	51.320	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.640%			
62) 4-Bromofluorobenzene	11.079	95	74687	50.159	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26995	20.070	ug/l	100
3) Chloromethane	1.307	50	25169	19.296	ug/l	99
4) Vinyl Chloride	1.374	62	22810	18.790	ug/l	97
5) Bromomethane	1.599	94	10194	18.105	ug/l	97
6) Chloroethane	1.672	64	13982	21.575	ug/l	94
7) Trichlorofluoromethane	1.880	101	36109	20.126	ug/l	97
8) Diethyl Ether	2.136	74	12284	20.113	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	21842	19.672	ug/l	98
10) Methyl Iodide	2.447	142	21998	16.744	ug/l	100
11) Tert butyl alcohol	2.971	59	23307	101.345	ug/l	100
12) 1,1-Dichloroethene	2.312	96	19697	18.902	ug/l	98
13) Acrolein	2.233	56	26796	102.311	ug/l	98
14) Allyl chloride	2.660	41	38866	19.516	ug/l	98
15) Acrylonitrile	3.062	53	67508	102.658	ug/l	98
16) Acetone	2.379	43	65605	99.869	ug/l	100
17) Carbon Disulfide	2.507	76	41074	16.626	ug/l	99
18) Methyl Acetate	2.703	43	34574	22.681	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	71925	19.688	ug/l	98
20) Methylene Chloride	2.788	84	23524	18.687	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	19669	18.769	ug/l	99
22) Diisopropyl ether	3.763	45	76577	19.906	ug/l	97
23) Vinyl Acetate	3.721	43	330012	97.536	ug/l	99
24) 1,1-Dichloroethane	3.605	63	42800	19.975	ug/l	98
25) 2-Butanone	4.556	43	99939	104.792	ug/l	97
26) 2,2-Dichloropropane	4.471	77	29524	17.605	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	24825	19.678	ug/l	99
28) Bromochloromethane	4.897	49	23678	22.958	ug/l	96
29) Tetrahydrofuran	5.007	42	62179	104.047	ug/l	99
30) Chloroform	5.092	83	46068	20.628	ug/l	98
31) Cyclohexane	5.458	56	37670	19.293	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	38635	19.957	ug/l	98
36) 1,1-Dichloropropene	5.690	75	28745	19.076	ug/l	99
37) Ethyl Acetate	4.721	43	35215	18.915	ug/l	99
38) Carbon Tetrachloride	5.672	117	32596	19.252	ug/l	97
39) Methylcyclohexane	7.379	83	34808	17.942	ug/l	98
40) Benzene	6.031	78	87577	19.841	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046188.D
 Acq On : 14 May 2025 12:46
 Operator : JC/MD
 Sample : VX0514WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/15/2025
 Supervised By : Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:20:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21111	21.676	ug/l	99
42) 1,2-Dichloroethane	6.080	62	38323	20.117	ug/l	100
43) Isopropyl Acetate	6.342	43	56154	19.771	ug/l	100
44) Trichloroethene	7.123	130	20027	18.852	ug/l	96
45) 1,2-Dichloropropane	7.427	63	22439	20.445	ug/l	98
46) Dibromomethane	7.580	93	17173	19.839	ug/l	100
47) Bromodichloromethane	7.818	83	33688	19.759	ug/l	97
48) Methyl methacrylate	7.689	41	28733	19.809	ug/l	99
49) 1,4-Dioxane	7.659	88	12597	457.379	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	195785	103.848	ug/l	98
52) Toluene	8.714	92	52893	19.543	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	27932	18.432	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	31770	18.968	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	21999	20.614	ug/l	95
56) Ethyl methacrylate	9.116	69	33817	19.882	ug/l	99
57) 1,3-Dichloropropane	9.305	76	37857	19.752	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	90312	104.151	ug/l	100
59) 2-Hexanone	9.427	43	144738	103.768	ug/l	98
60) Dibromochloromethane	9.518	129	23073	19.687	ug/l	99
61) 1,2-Dibromoethane	9.610	107	22060	19.889	ug/l	97
64) Tetrachloroethene	9.268	164	18113	18.518	ug/l	95
65) Chlorobenzene	10.079	112	57364	18.958	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20101	19.455	ug/l	99
67) Ethyl Benzene	10.195	91	103376	19.381	ug/l	99
68) m/p-Xylenes	10.299	106	76474	39.202	ug/l	100
69) o-Xylene	10.640	106	37066	19.490	ug/l	97
70) Styrene	10.652	104	62259	19.984	ug/l	99
71) Bromoform	10.799	173	14407	18.572	ug/l #	98
73) Isopropylbenzene	10.957	105	100059	20.308	ug/l	100
74) N-amyl acetate	10.841	43	47294	19.425	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	34952	20.243	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	29943m	19.656	ug/l	
77) Bromobenzene	11.195	156	22192	19.401	ug/l	99
78) n-propylbenzene	11.299	91	112157	19.578	ug/l	99
79) 2-Chlorotoluene	11.360	91	72402	19.594	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	83635	20.319	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7362	15.734	ug/l	89
82) 4-Chlorotoluene	11.451	91	83144	20.290	ug/l	98
83) tert-Butylbenzene	11.713	119	82342	19.860	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	82697	19.839	ug/l	99
85) sec-Butylbenzene	11.890	105	100532	19.748	ug/l	99
86) p-Isopropyltoluene	12.006	119	82358	19.599	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	40253	19.282	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	40957	19.211	ug/l	97
89) n-Butylbenzene	12.329	91	68625	18.618	ug/l	100
90) Hexachloroethane	12.536	117	13714	18.525	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	41875	19.989	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7781	20.343	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	21623	17.971	ug/l	98
94) Hexachlorobutadiene	13.725	225	10135	19.287	ug/l	99
95) Naphthalene	13.774	128	81431	18.453	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23467	18.902	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
Data File : VX046188.D
Acq On : 14 May 2025 12:46
Operator : JC/MD
Sample : VX0514WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

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

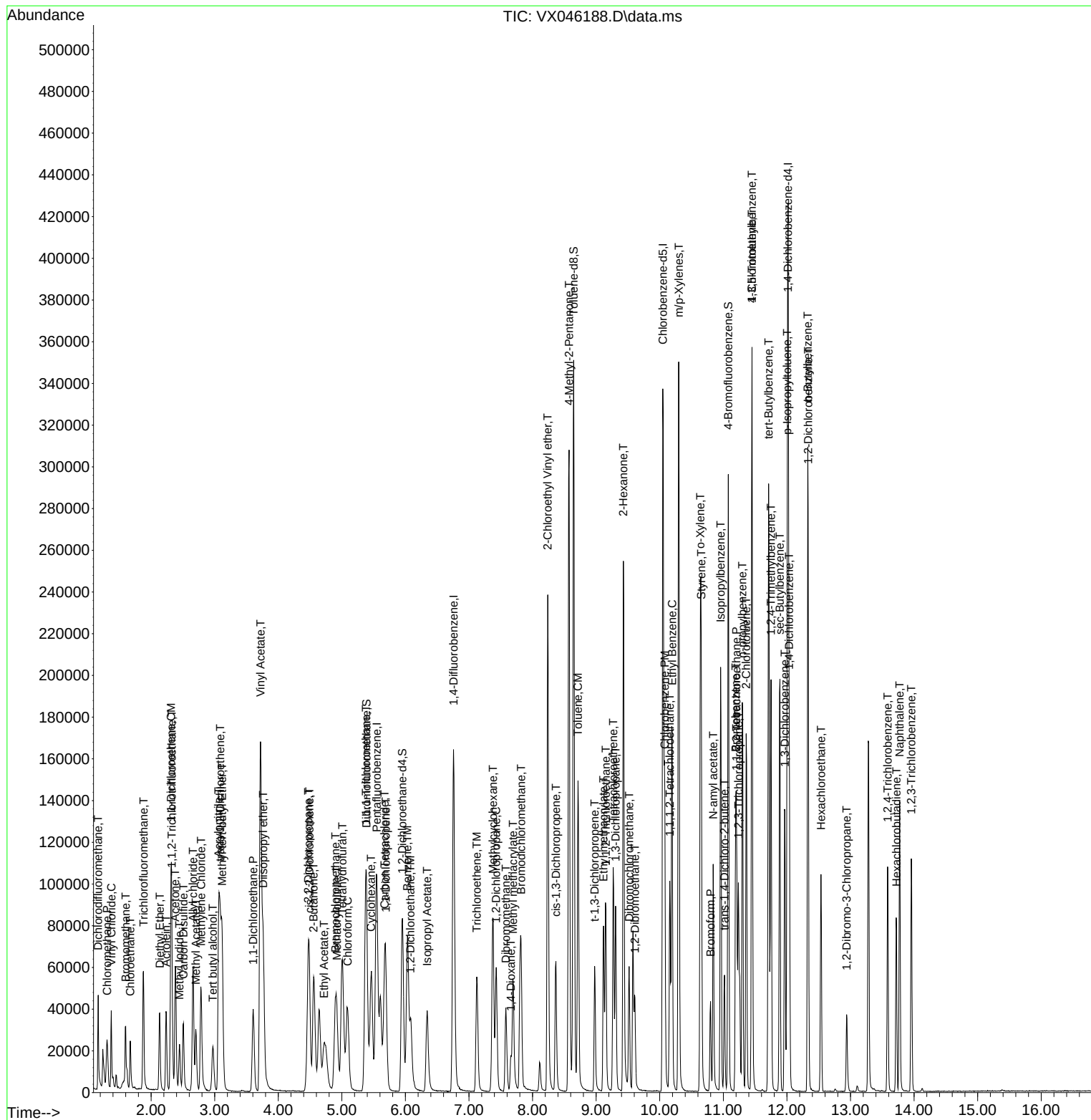
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Data File : VX046188.D
Acq On : 14 May 2025 12:46
Operator : JC/MD
Sample : VX0514WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

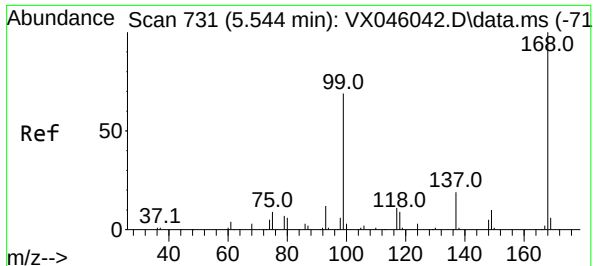
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Manual Integrations APPROVED

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Quant Time: May 15 01:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration





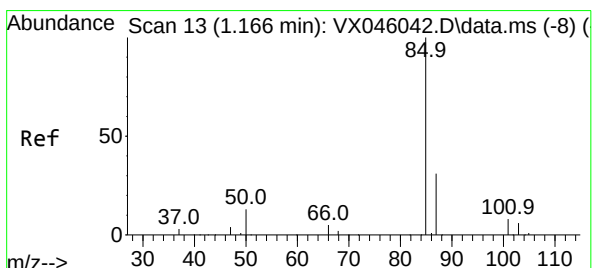
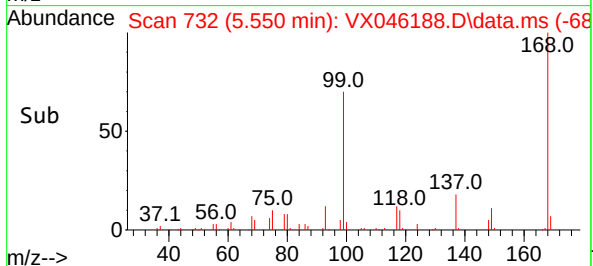
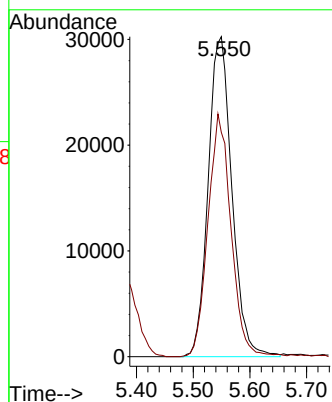
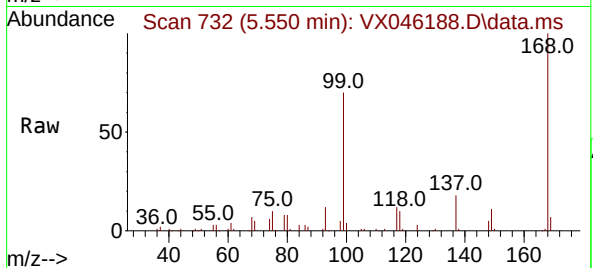
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Tgt Ion:168 Resp: 87880
Ion Ratio Lower Upper
168 100
99 70.1 54.9 82.3

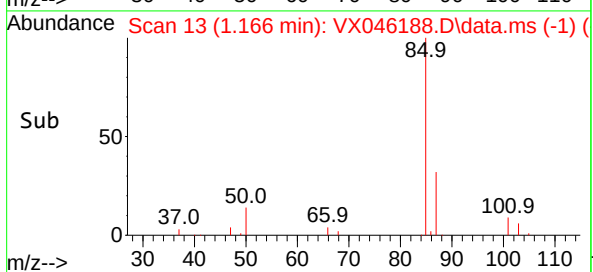
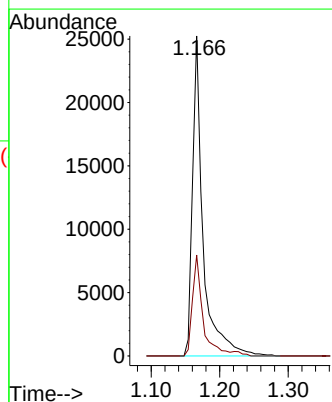
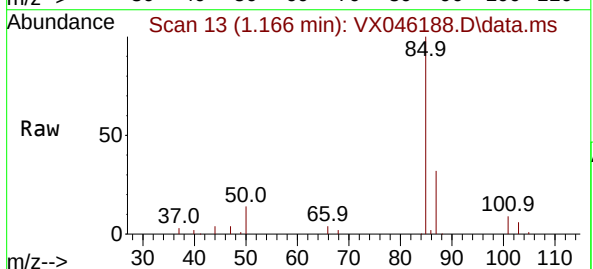
Manual Integrations
APPROVED

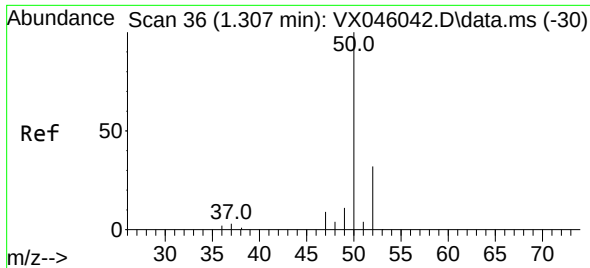
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#2
Dichlorodifluoromethane
Concen: 20.070 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

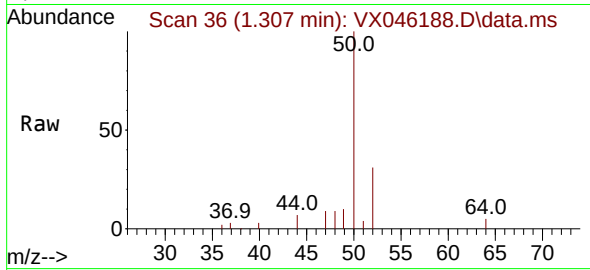
Tgt Ion: 85 Resp: 26995
Ion Ratio Lower Upper
85 100
87 31.6 15.7 47.1





#3
Chloromethane
Concen: 19.296 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

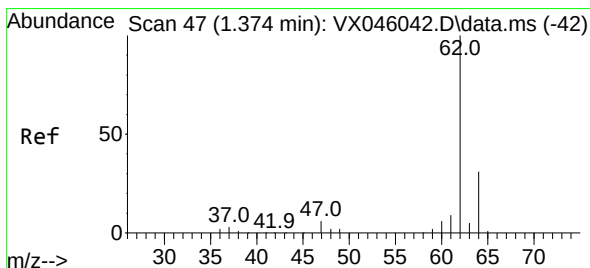
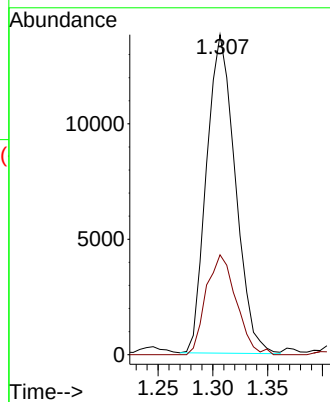
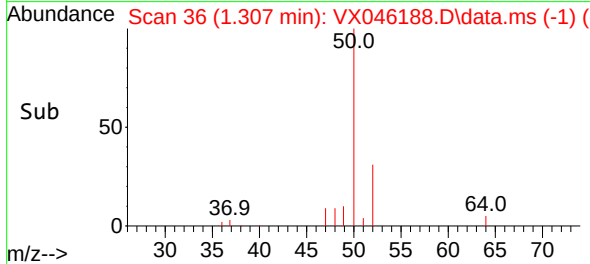
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



Tgt Ion: 50 Resp: 25169
Ion Ratio Lower Upper
50 100
52 31.4 25.4 38.2

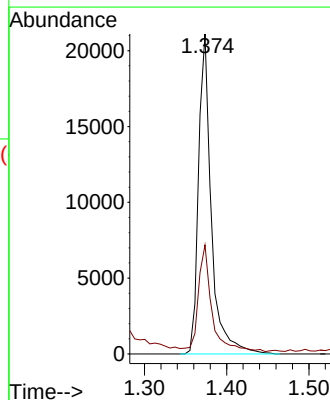
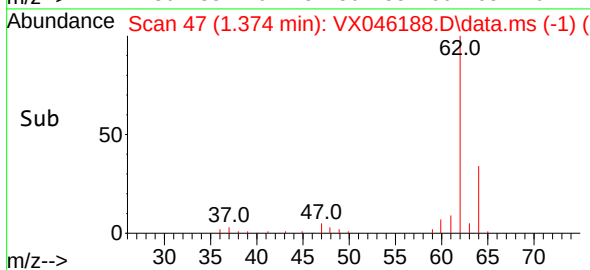
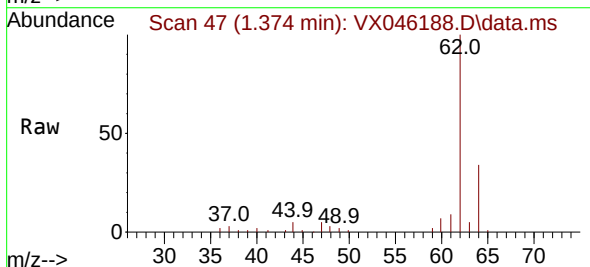
Manual Integrations
APPROVED

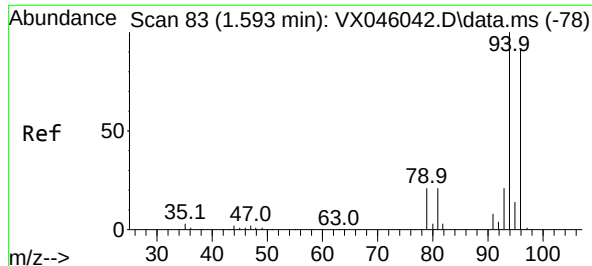
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#4
Vinyl Chloride
Concen: 18.790 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

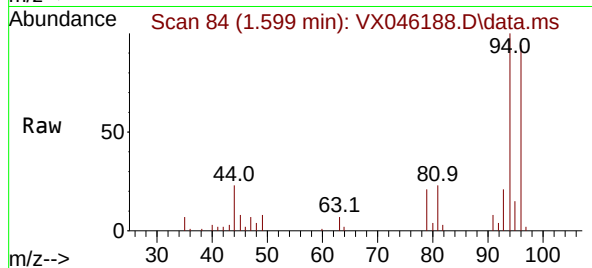
Tgt Ion: 62 Resp: 22810
Ion Ratio Lower Upper
62 100
64 33.2 25.2 37.8





#5
Bromomethane
Concen: 18.105 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

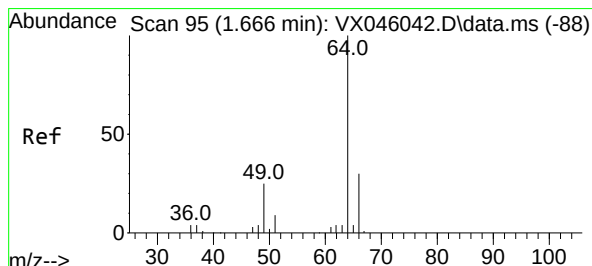
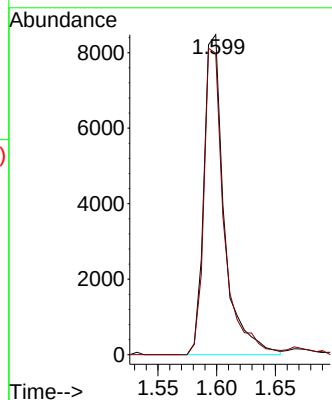
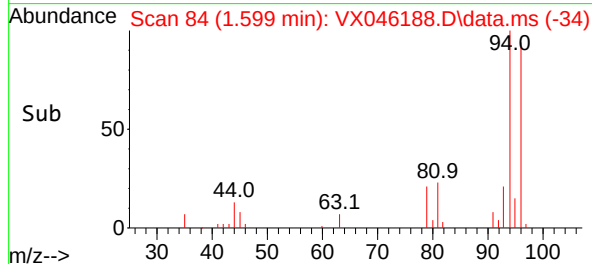
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



Tgt Ion: 94 Resp: 10194
Ion Ratio Lower Upper
94 100
96 94.2 72.8 109.2

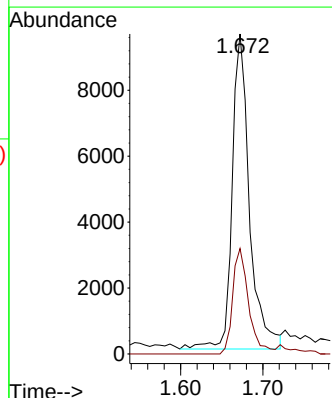
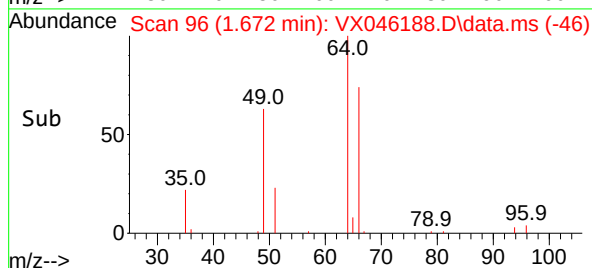
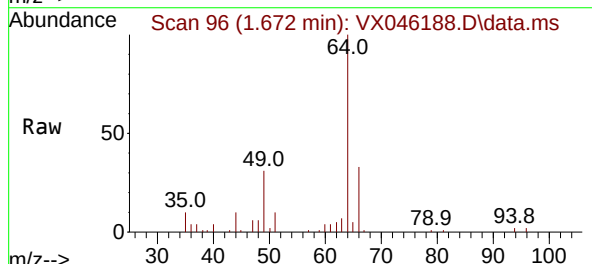
Manual Integrations
APPROVED

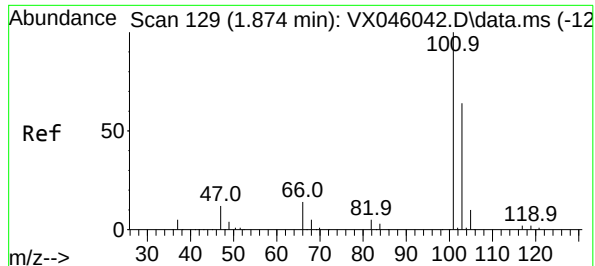
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#6
Chloroethane
Concen: 21.575 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

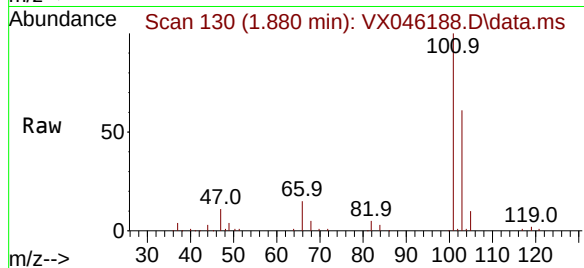
Tgt Ion: 64 Resp: 13982
Ion Ratio Lower Upper
64 100
66 33.5 24.3 36.5





#7
Trichlorofluoromethane
Concen: 20.126 ug/l
RT: 1.880 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

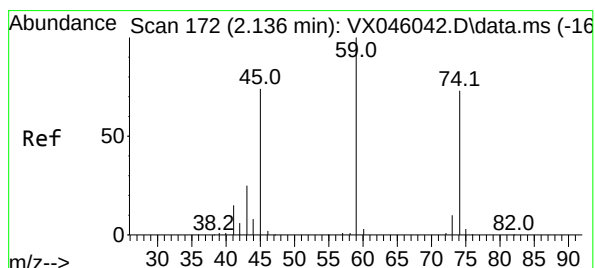
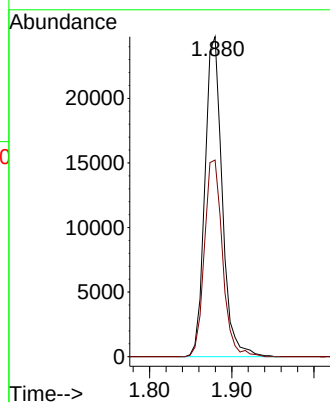
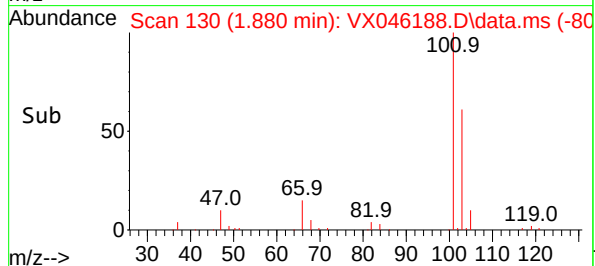
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



Tgt Ion:101 Resp: 36109
Ion Ratio Lower Upper
101 100
103 61.5 51.0 76.4

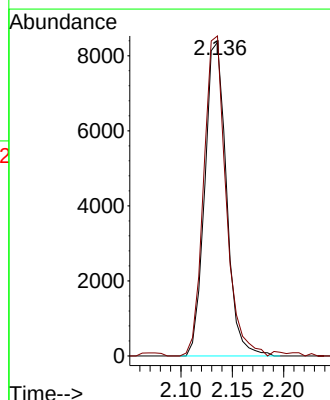
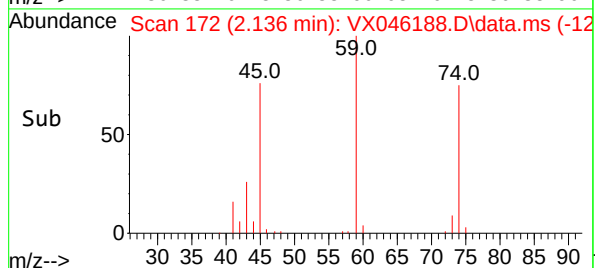
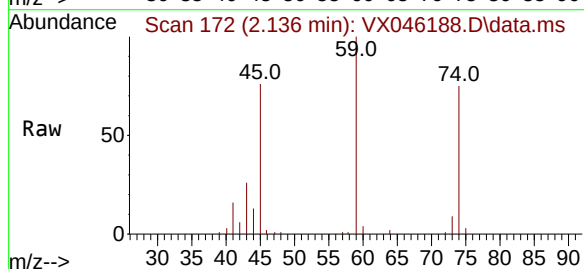
Manual Integrations
APPROVED

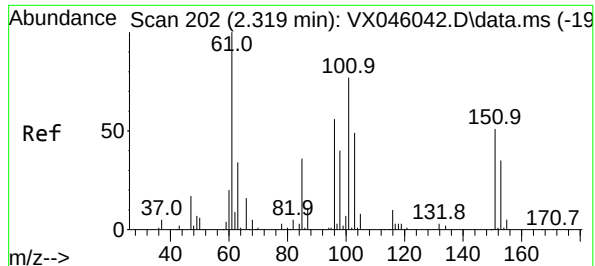
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#8
Diethyl Ether
Concen: 20.113 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Tgt Ion: 74 Resp: 12284
Ion Ratio Lower Upper
74 100
45 104.7 54.9 164.8





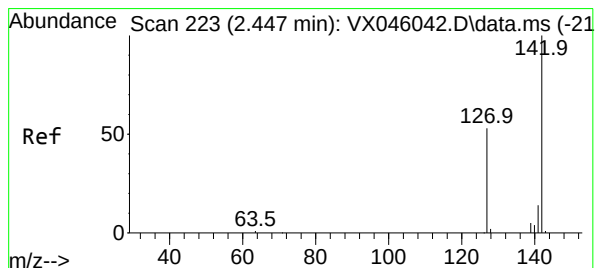
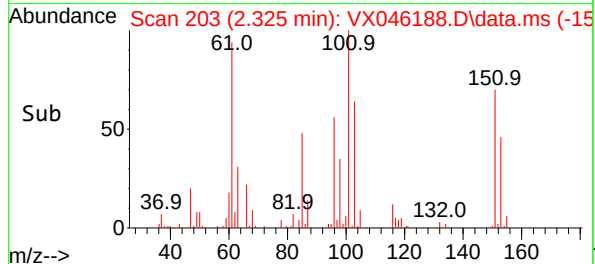
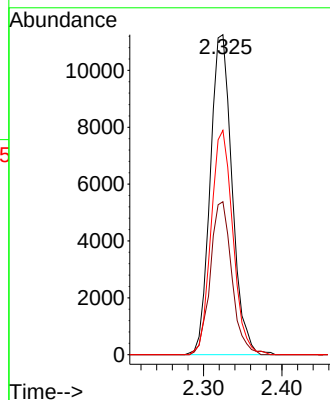
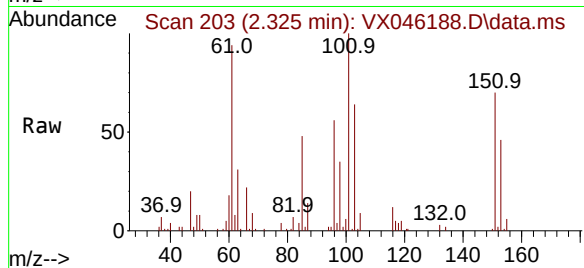
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.672 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Tgt Ion:101 Resp: 2184
Ion Ratio Lower Upper
101 100
85 46.8 38.6 58.0
151 70.1 55.2 82.8

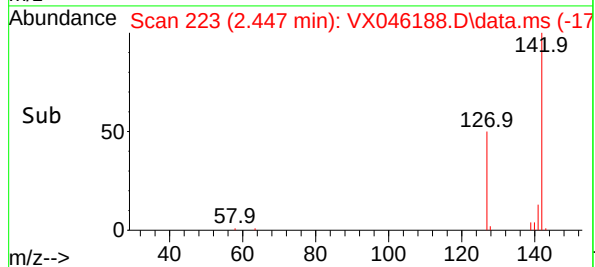
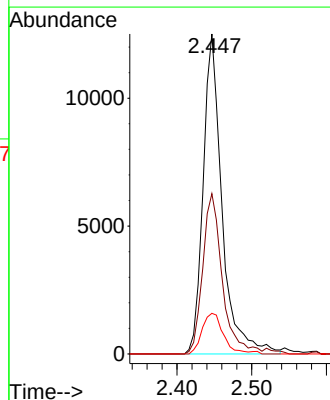
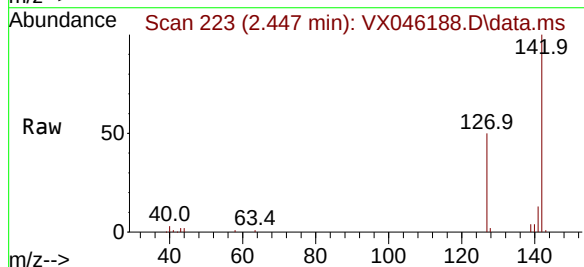
Manual Integrations
APPROVED

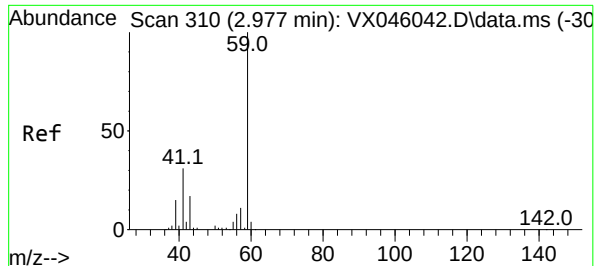
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#10
Methyl Iodide
Concen: 16.744 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Tgt Ion:142 Resp: 21998
Ion Ratio Lower Upper
142 100
127 51.8 41.7 62.5
141 14.5 11.5 17.3





#11

Tert butyl alcohol

Concen: 101.345 ug/l

RT: 2.971 min Scan# 310

Delta R.T. -0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 59 Resp: 2330

Ion Ratio Lower Upper

59 100

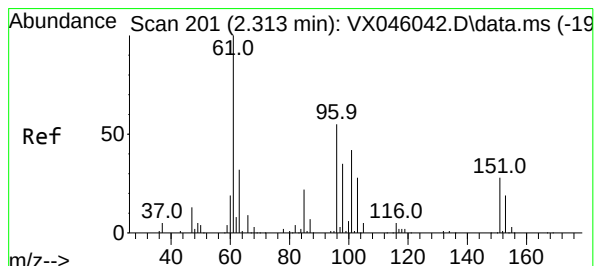
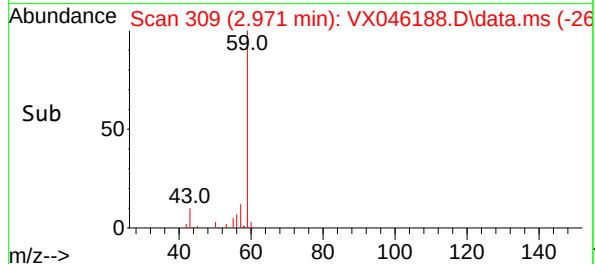
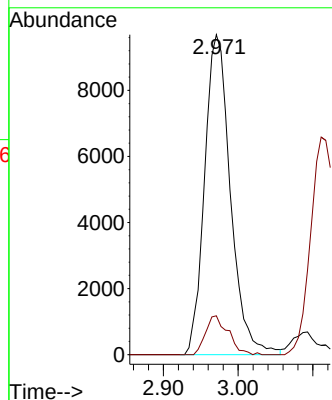
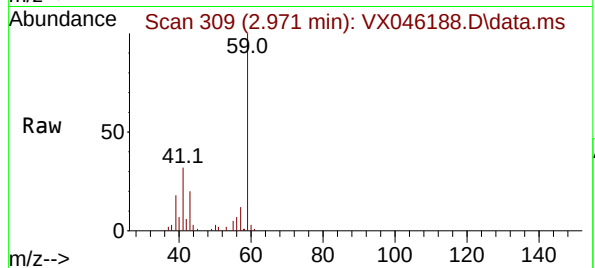
57 10.6 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#12

1,1-Dichloroethene

Concen: 18.902 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

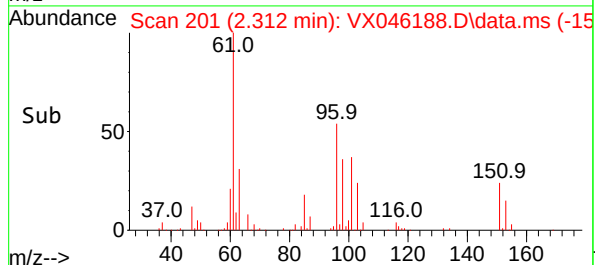
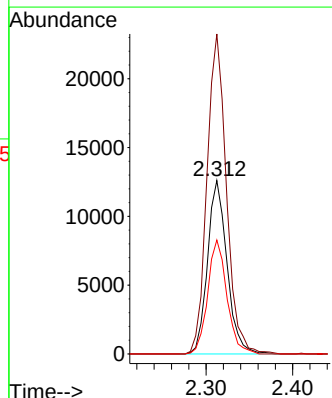
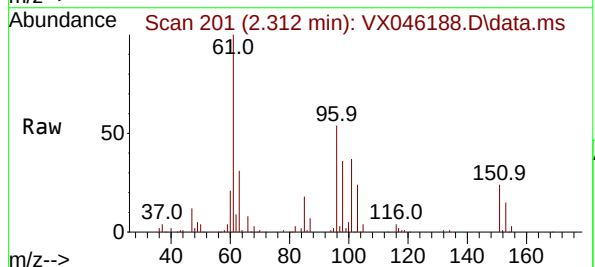
Tgt Ion: 96 Resp: 19697

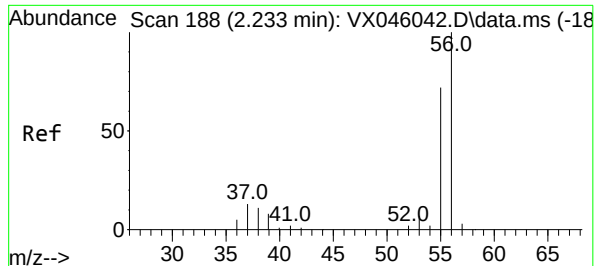
Ion Ratio Lower Upper

96 100

61 184.5 146.2 219.2

98 65.7 51.0 76.6





#13

Acrolein

Concen: 102.311 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 56 Resp: 26790

Ion Ratio Lower Upper

56 100

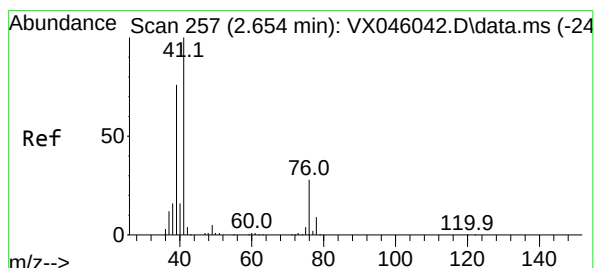
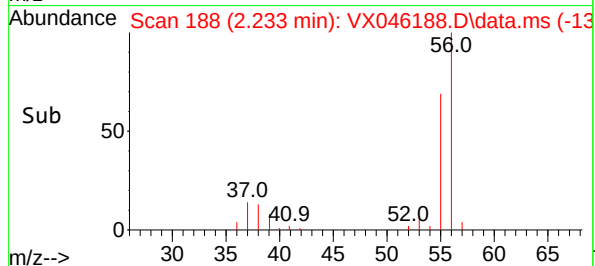
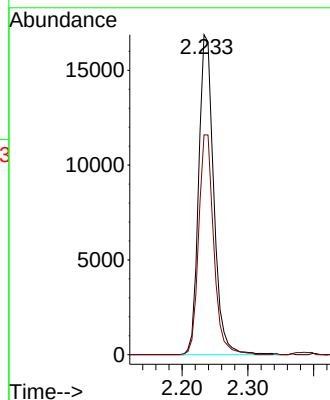
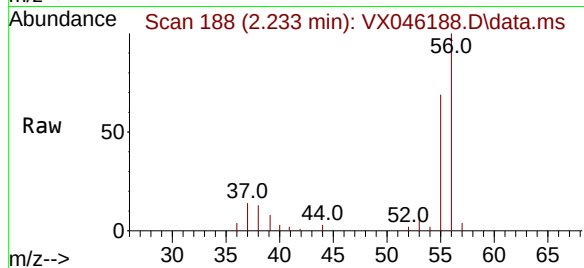
55 68.8 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#14

Allyl chloride

Concen: 19.516 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

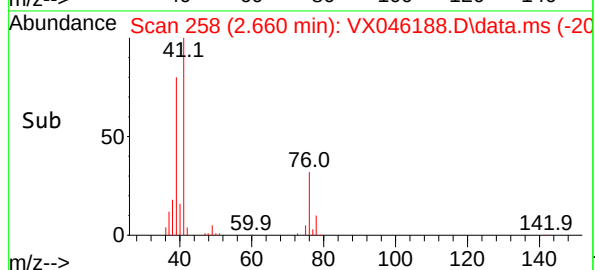
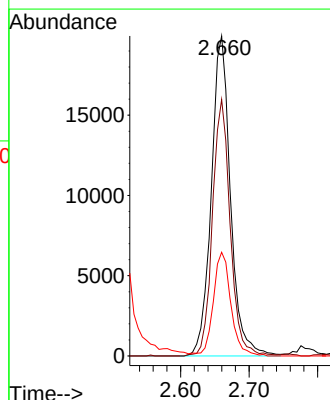
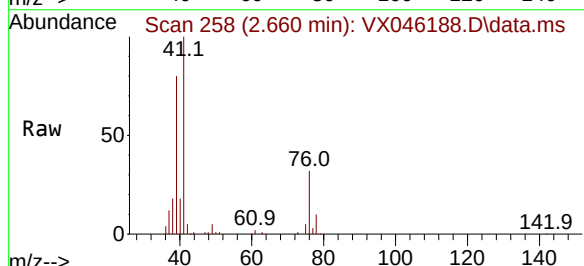
Tgt Ion: 41 Resp: 38866

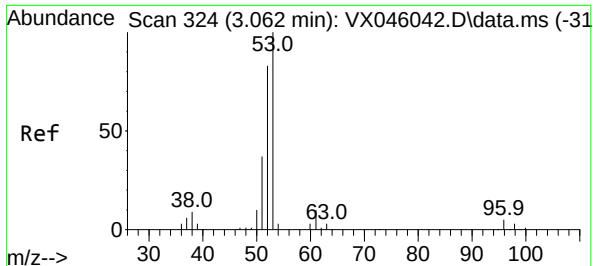
Ion Ratio Lower Upper

41 100

39 74.0 60.6 90.8

76 29.5 24.9 37.3





#15

Acrylonitrile

Concen: 102.658 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX046188.D

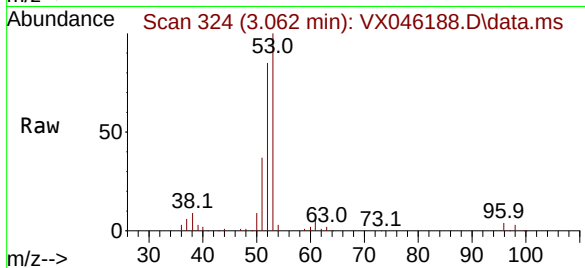
Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01



Tgt Ion: 53 Resp: 67508

Ion Ratio Lower Upper

53 100

52 83.6 65.3 97.9

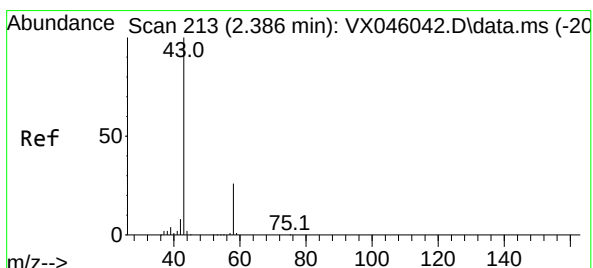
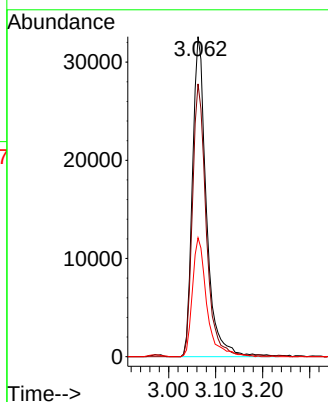
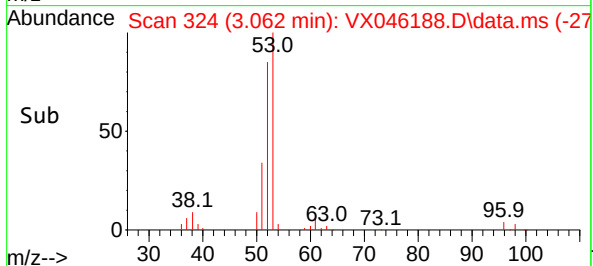
51 38.2 29.8 44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#16

Acetone

Concen: 99.869 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX046188.D

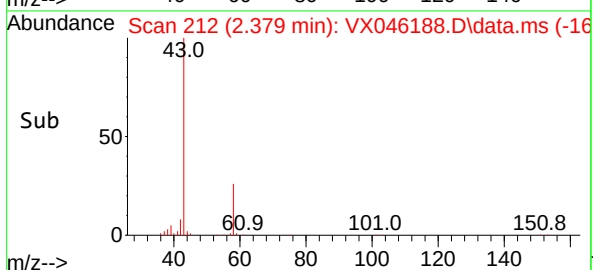
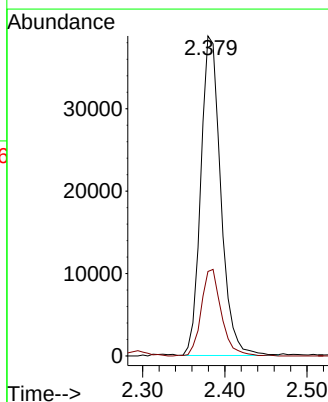
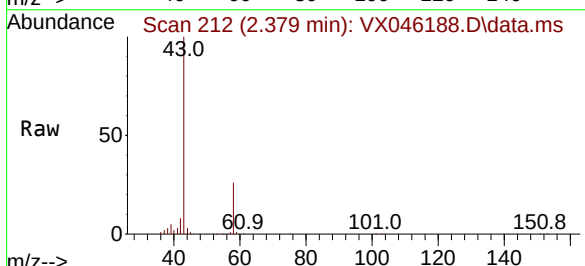
Acq: 14 May 2025 12:46

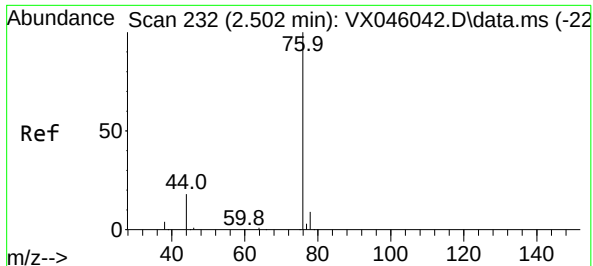
Tgt Ion: 43 Resp: 65605

Ion Ratio Lower Upper

43 100

58 26.4 21.2 31.8





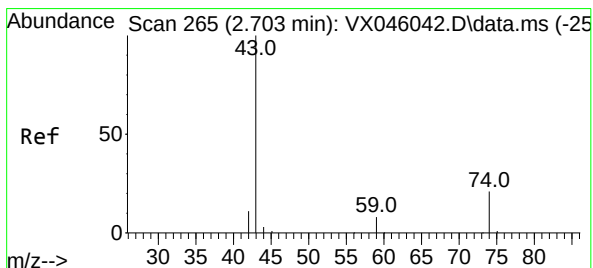
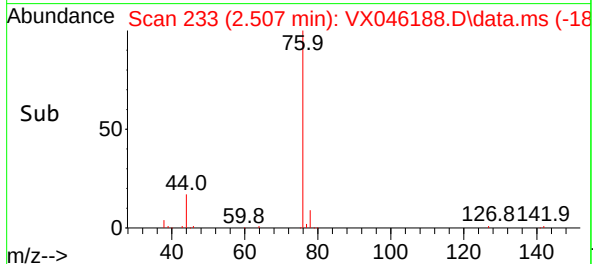
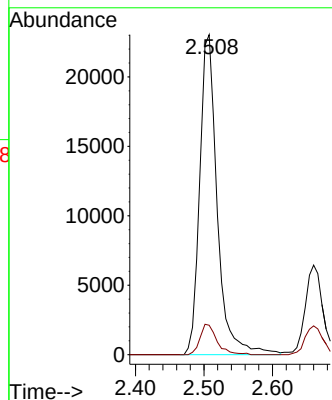
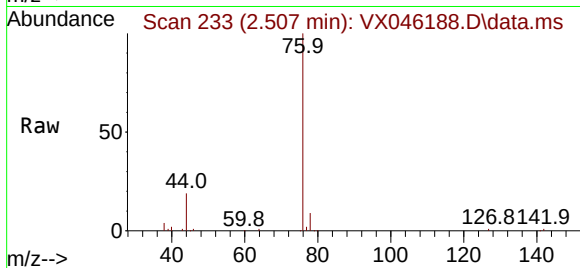
#17
Carbon Disulfide
Concen: 16.626 ug/l
RT: 2.507 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Tgt Ion: 76 Resp: 41074
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4

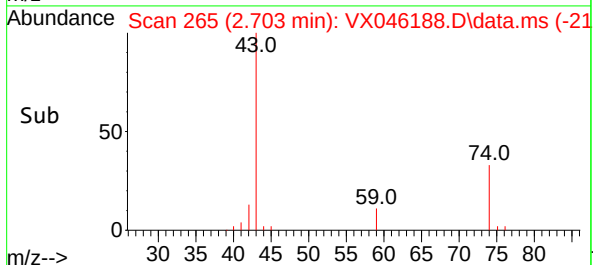
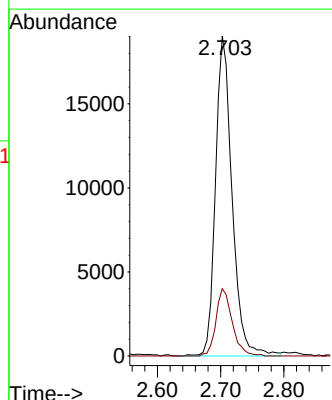
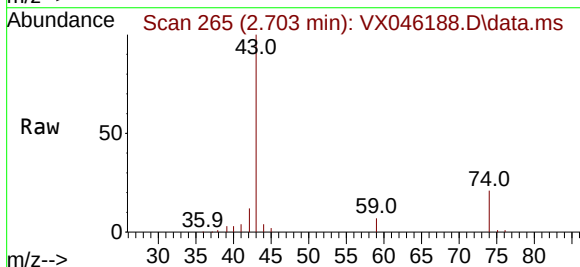
Manual Integrations
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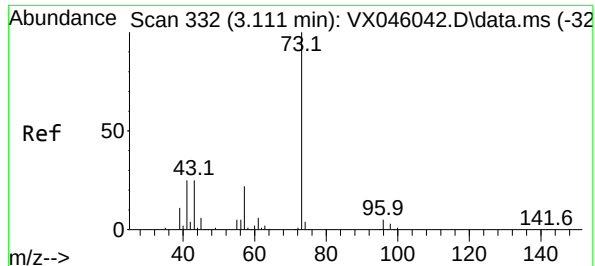
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#18
Methyl Acetate
Concen: 22.681 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Tgt Ion: 43 Resp: 34574
Ion Ratio Lower Upper
43 100
74 20.6 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 19.688 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 73 Resp: 71925

Ion Ratio Lower Upper

73 100

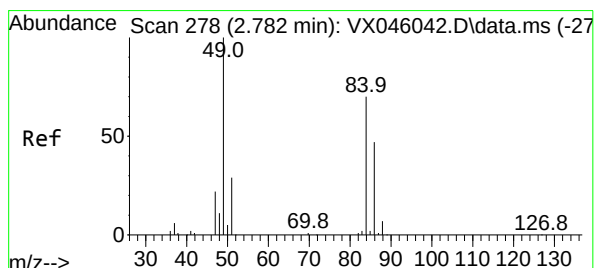
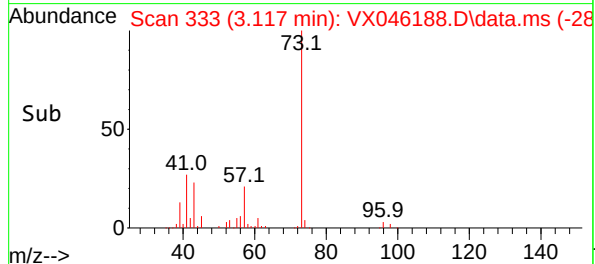
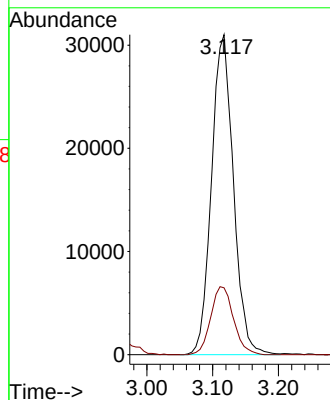
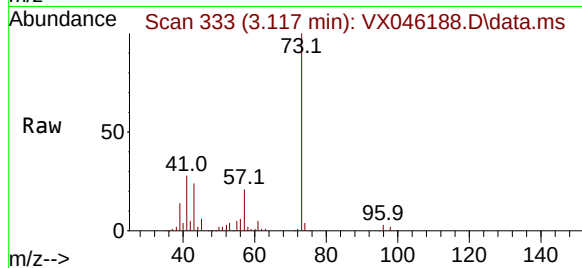
57 20.9 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#20

Methylene Chloride

Concen: 18.687 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Tgt Ion: 84 Resp: 23524

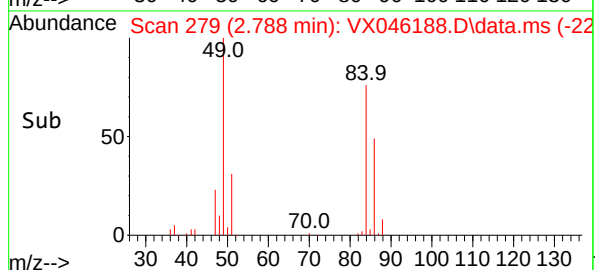
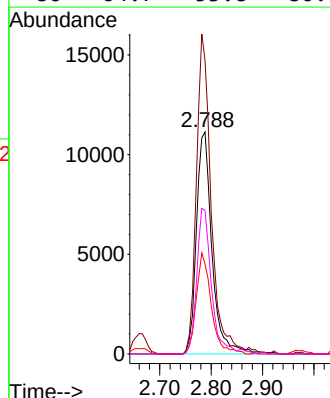
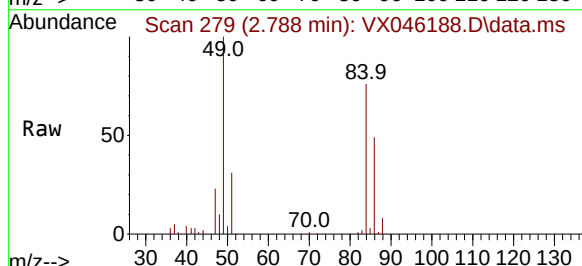
Ion Ratio Lower Upper

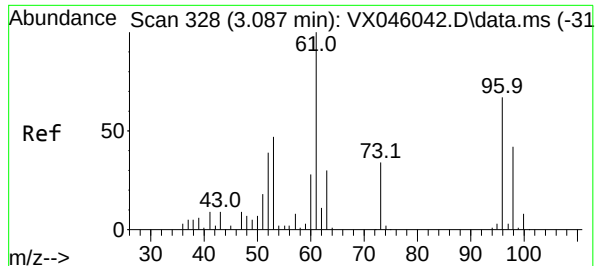
84 100

49 132.4 113.9 170.9

51 40.6 33.5 50.3

86 64.7 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 18.769 ug/l

RT: 3.087 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 96 Resp: 19669

Ion Ratio Lower Upper

96 100

61 150.8 119.5 179.3

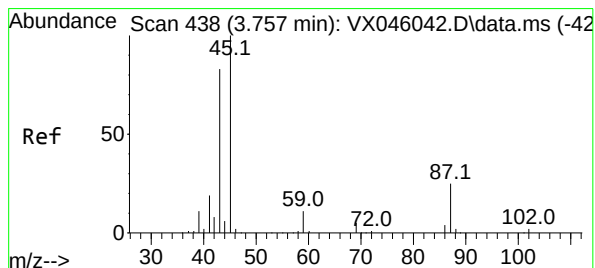
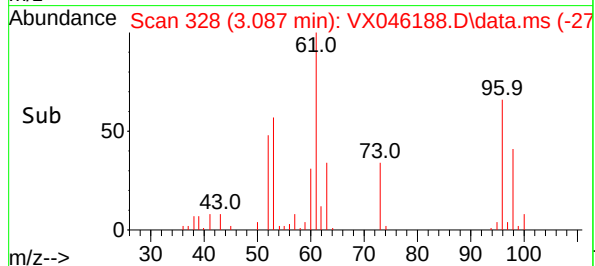
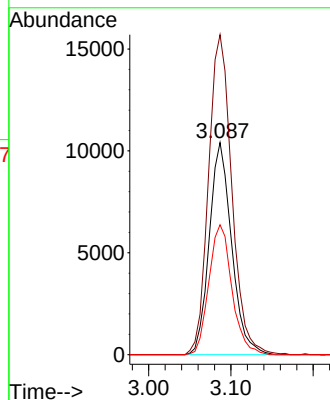
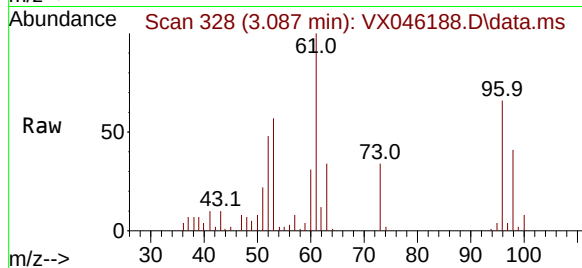
98 61.2 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#22

Diisopropyl ether

Concen: 19.906 ug/l

RT: 3.763 min Scan# 439

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Tgt Ion: 45 Resp: 76577

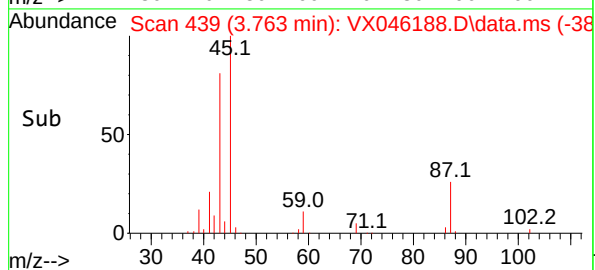
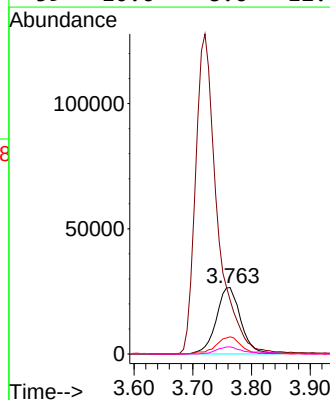
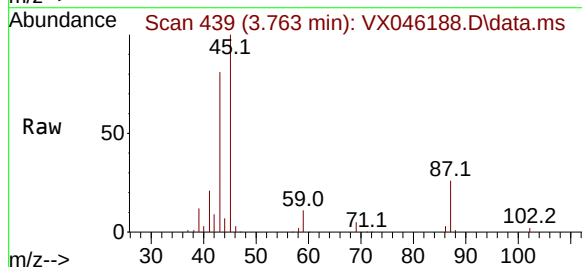
Ion Ratio Lower Upper

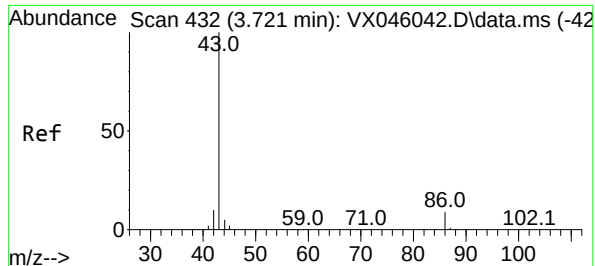
45 100

43 80.0 66.6 100.0

87 25.9 19.8 29.6

59 10.6 8.6 12.8





#23

Vinyl Acetate

Concen: 97.536 ug/l

RT: 3.721 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 43 Resp: 33001

Ion Ratio Lower Upper

43 100

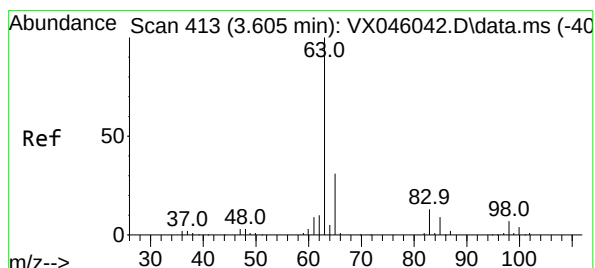
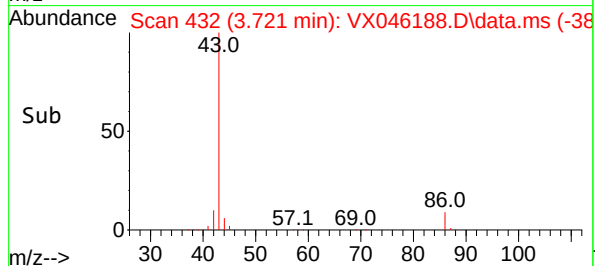
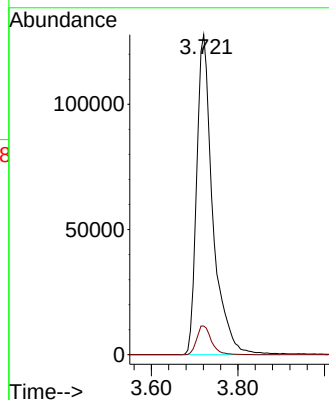
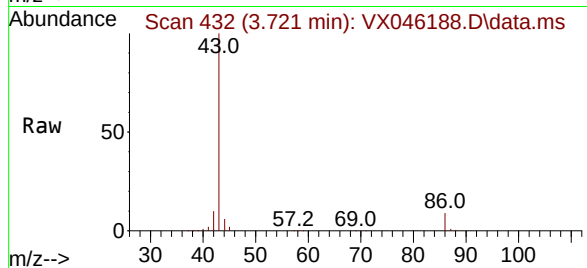
86 8.9 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#24

1,1-Dichloroethane

Concen: 19.975 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

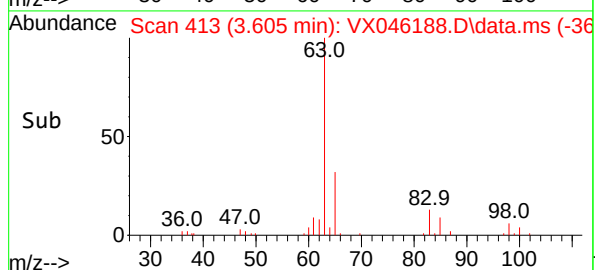
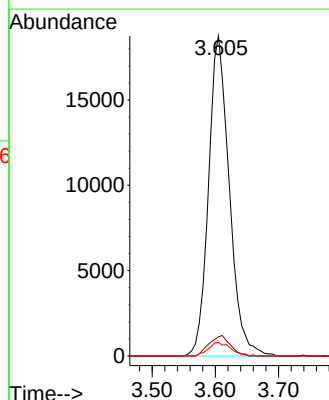
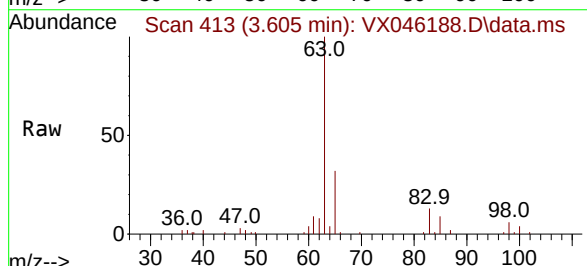
Tgt Ion: 63 Resp: 42800

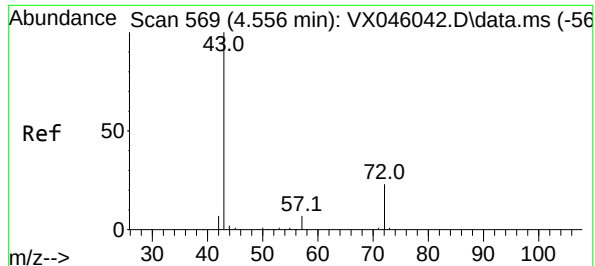
Ion Ratio Lower Upper

63 100

98 6.0 3.6 10.8

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 104.792 ug/l

RT: 4.556 min Scan# 50

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 43 Resp: 99939

Ion Ratio Lower Upper

43 100

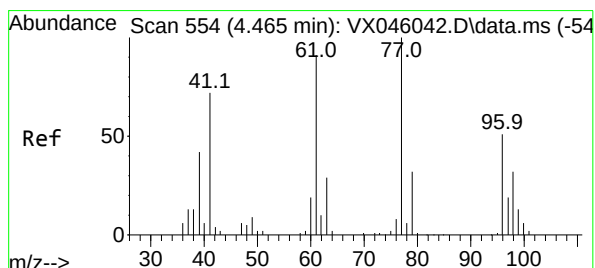
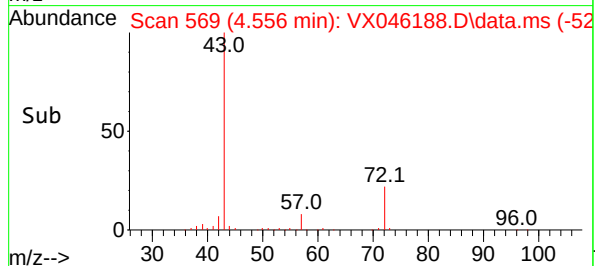
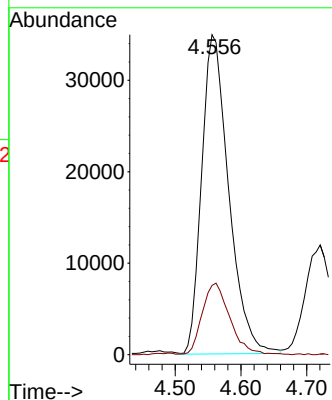
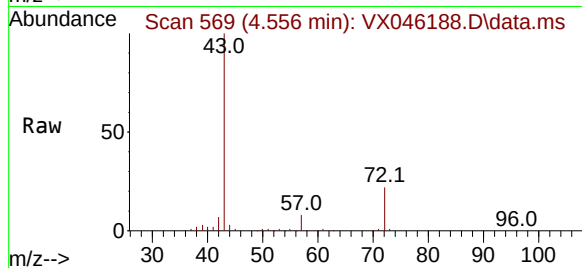
72 21.6 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#26

2,2-Dichloropropane

Concen: 17.605 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX046188.D

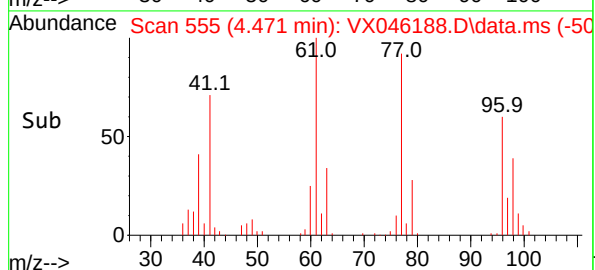
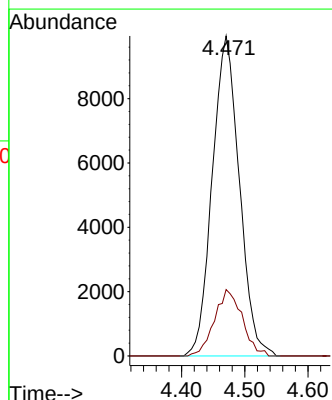
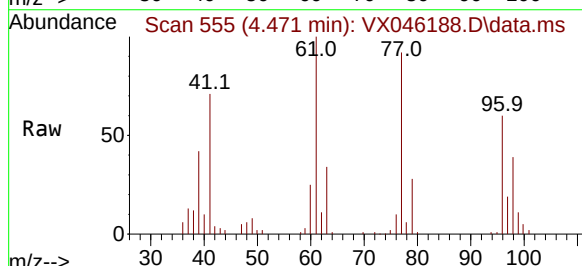
Acq: 14 May 2025 12:46

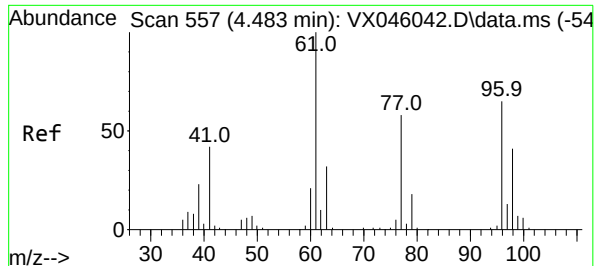
Tgt Ion: 77 Resp: 29524

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 19.678 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 96 Resp: 2482

Ion Ratio Lower Upper

96 100

61 160.9 0.0 322.8

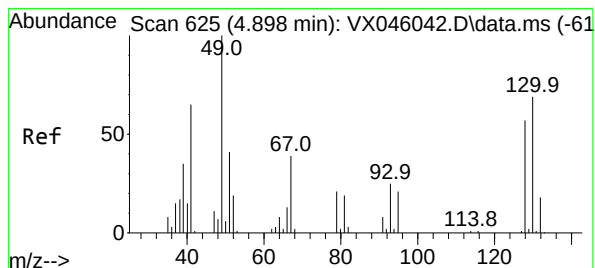
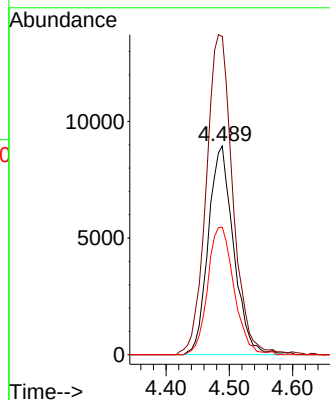
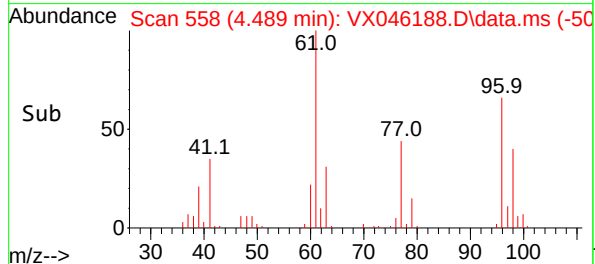
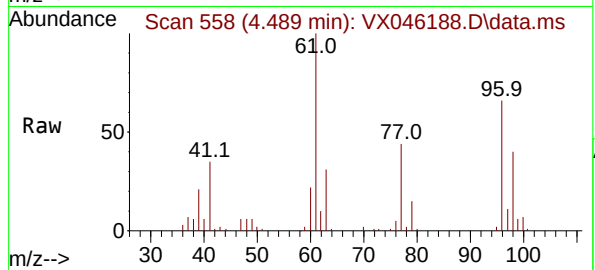
98 63.5 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#28

Bromochloromethane

Concen: 22.958 ug/l

RT: 4.897 min Scan# 625

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

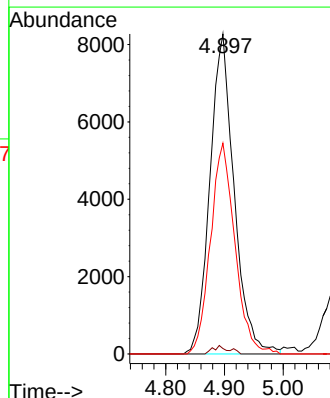
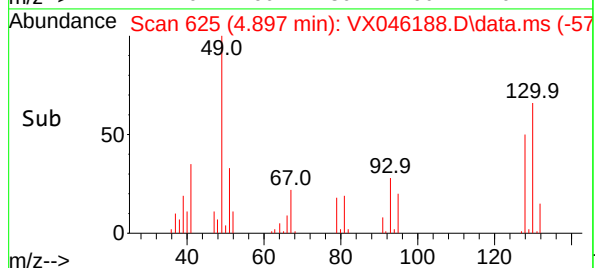
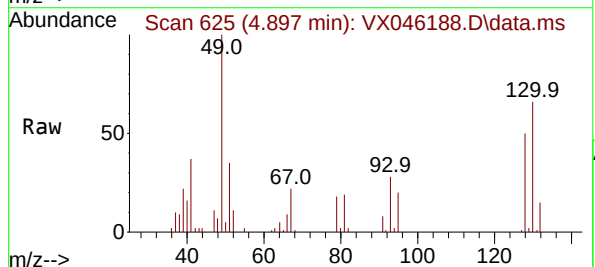
Tgt Ion: 49 Resp: 23678

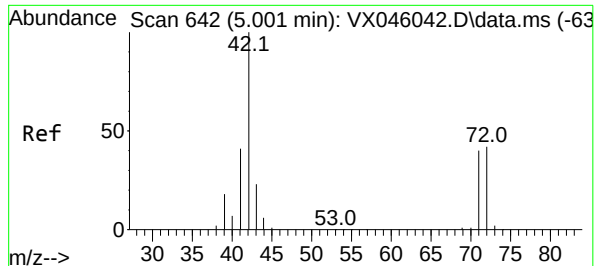
Ion Ratio Lower Upper

49 100

129 1.7 0.0 4.0

130 66.5 56.2 84.2





#29

Tetrahydrofuran

Concen: 104.047 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 42 Resp: 62179

Ion Ratio Lower Upper

42 100

72 41.7 33.7 50.5

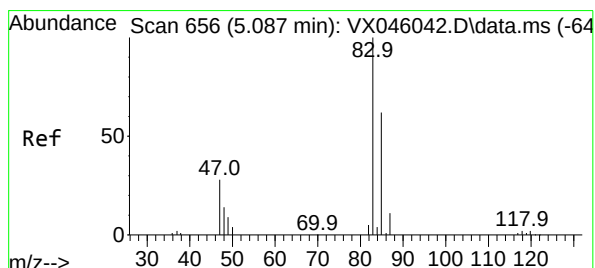
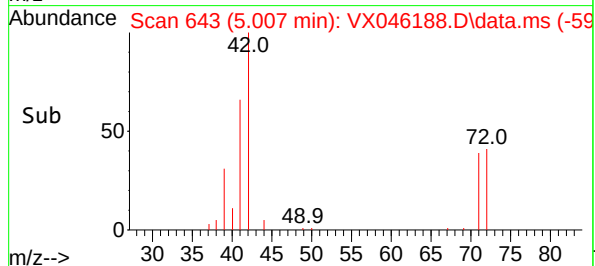
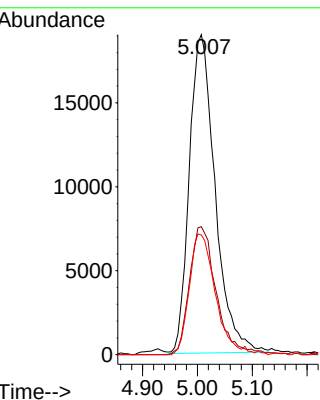
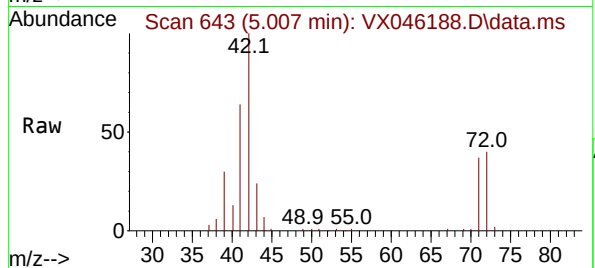
71 38.1 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#30

Chloroform

Concen: 20.628 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX046188.D

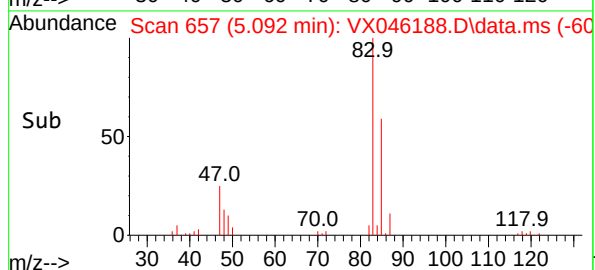
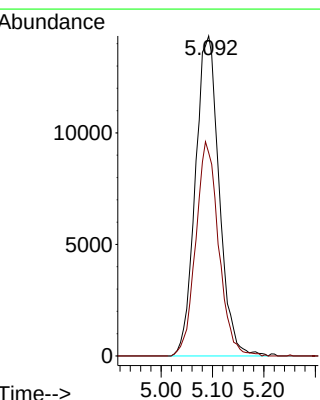
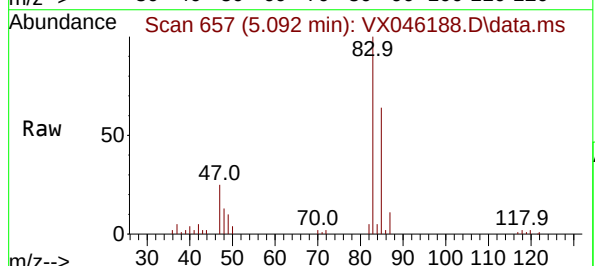
Acq: 14 May 2025 12:46

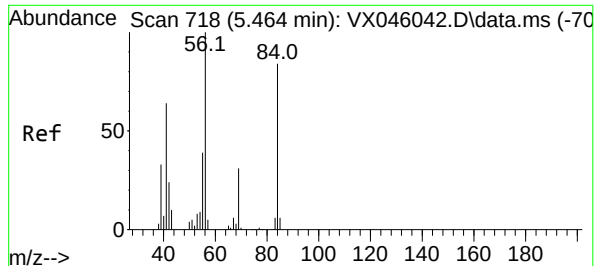
Tgt Ion: 83 Resp: 46068

Ion Ratio Lower Upper

83 100

85 63.5 49.3 73.9





#31

Cyclohexane

Concen: 19.293 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX046188.D

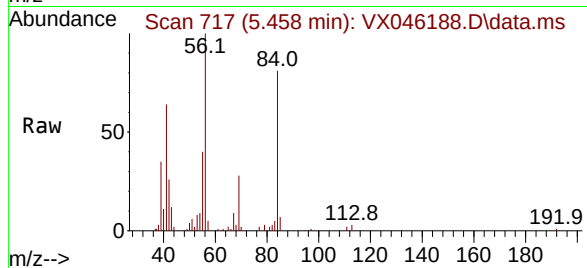
Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01



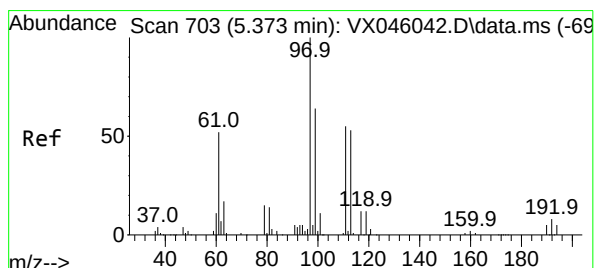
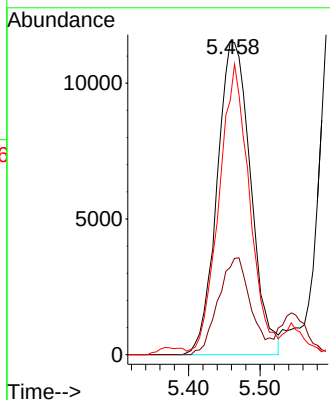
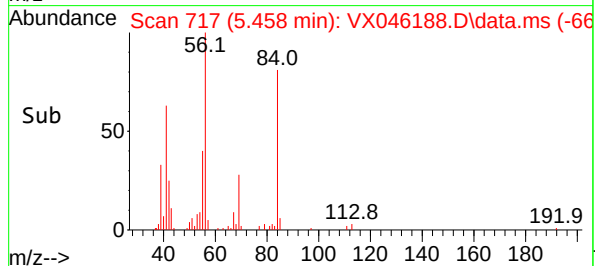
Tgt Ion:	56	Resp:	37670
Ion	Ratio	Lower	Upper
56	100		
69	27.9	24.4	36.6
84	79.0	66.9	100.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#32

1,1,1-Trichloroethane

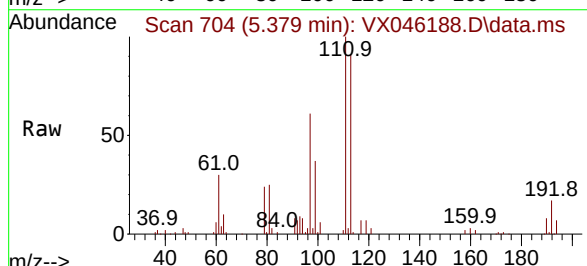
Concen: 19.957 ug/l

RT: 5.379 min Scan# 704

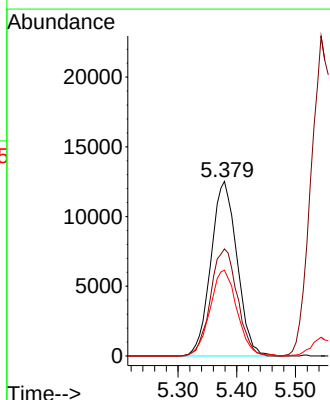
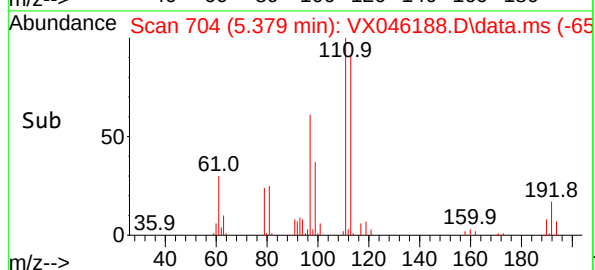
Delta R.T. 0.006 min

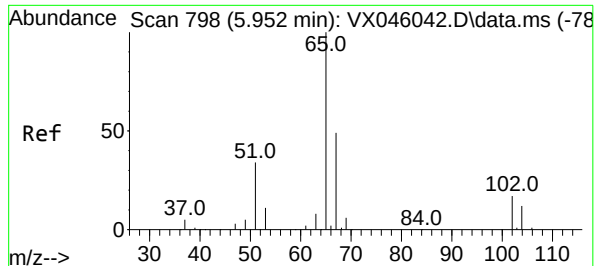
Lab File: VX046188.D

Acq: 14 May 2025 12:46



Tgt Ion:	97	Resp:	38635
Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.8	77.6
61	50.7	40.1	60.1





#33

1,2-Dichloroethane-d4

Concen: 52.085 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 65 Resp: 8533

Ion Ratio Lower Upper

65 100

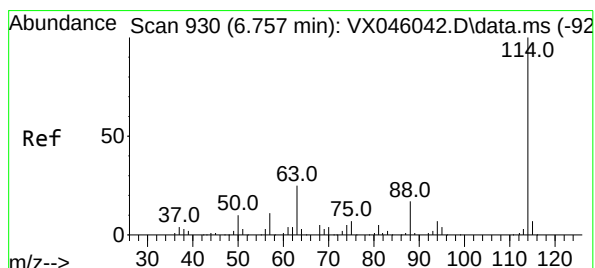
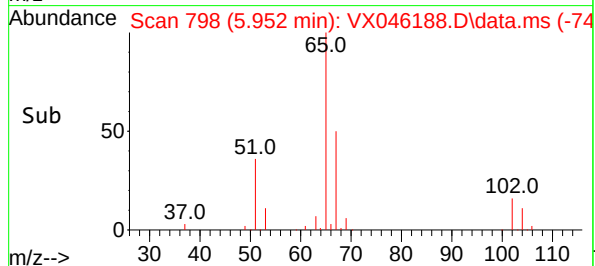
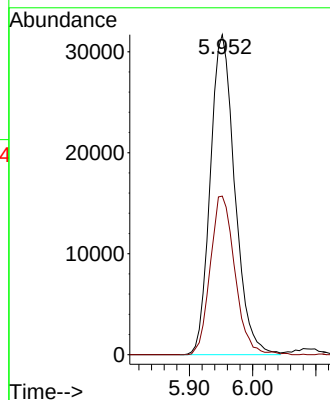
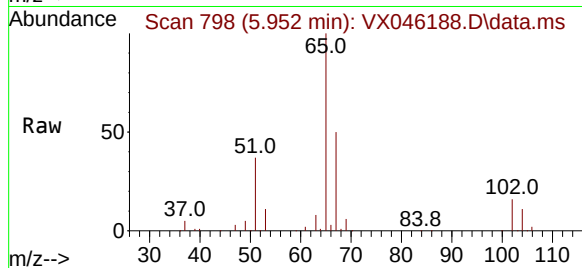
67 49.8 0.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

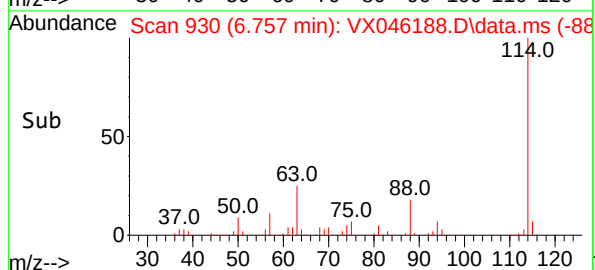
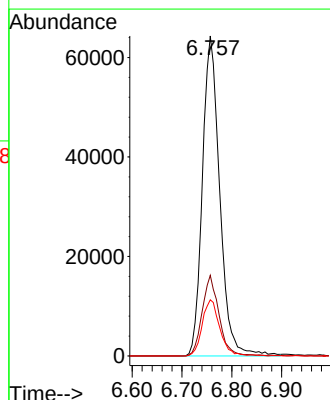
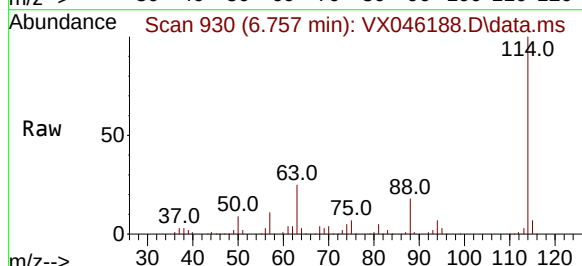
Tgt Ion:114 Resp: 155746

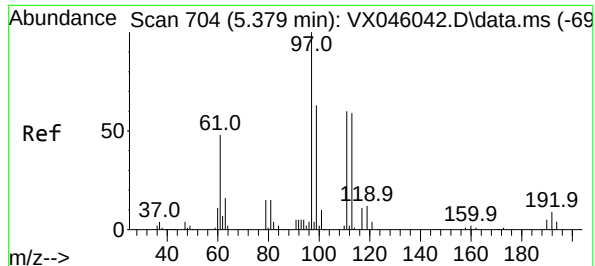
Ion Ratio Lower Upper

114 100

63 25.2 0.0 49.2

88 17.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 51.229 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion:113 Resp: 5745

Ion Ratio Lower Upper

113 100

111 104.7 83.1 124.7

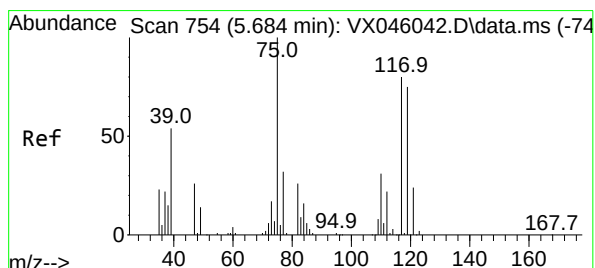
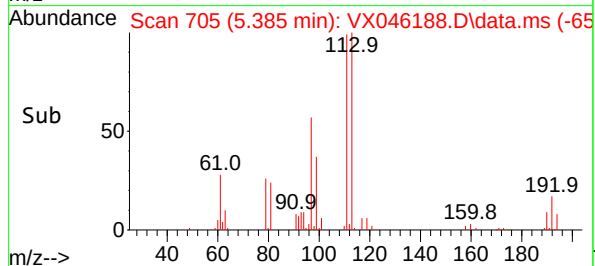
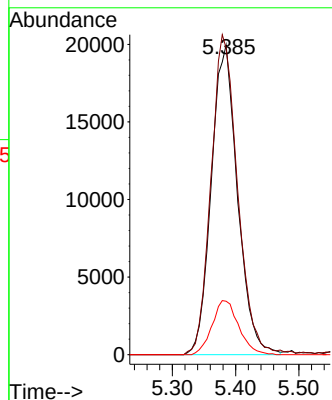
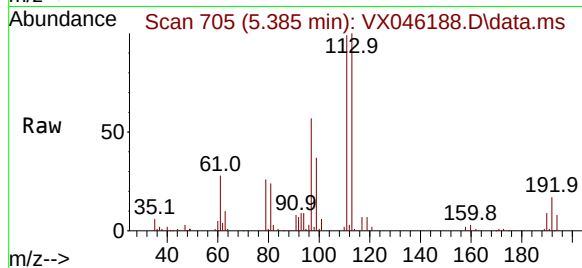
192 17.7 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#36

1,1-Dichloropropene

Concen: 19.076 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

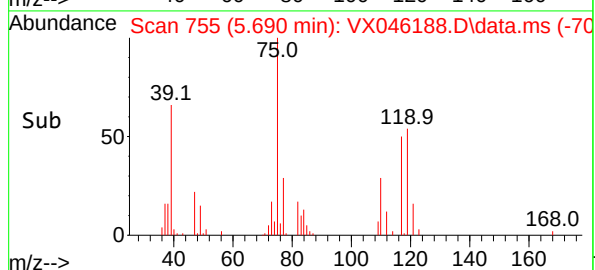
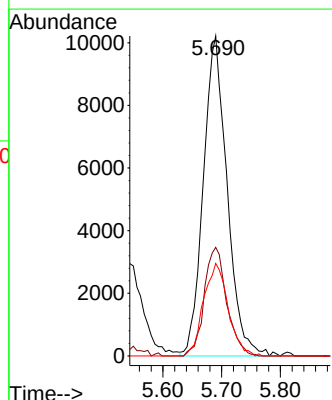
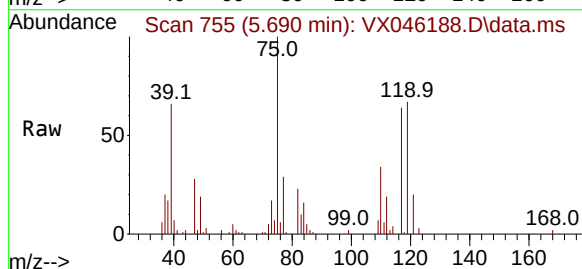
Tgt Ion: 75 Resp: 28745

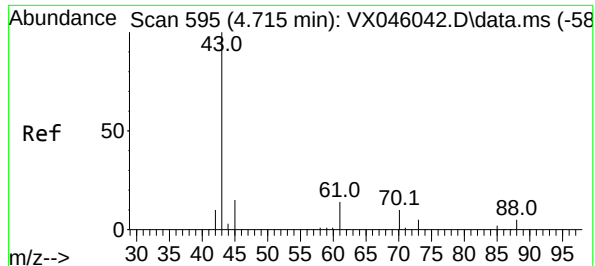
Ion Ratio Lower Upper

75 100

110 32.1 16.3 48.9

77 29.7 24.3 36.5





#37

Ethyl Acetate

Concen: 18.915 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

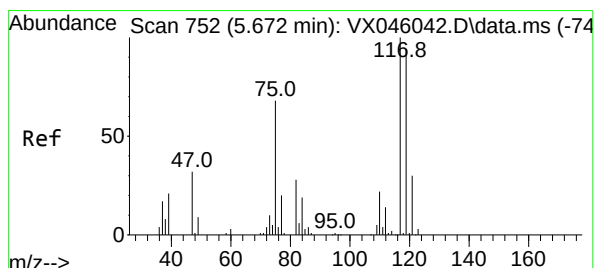
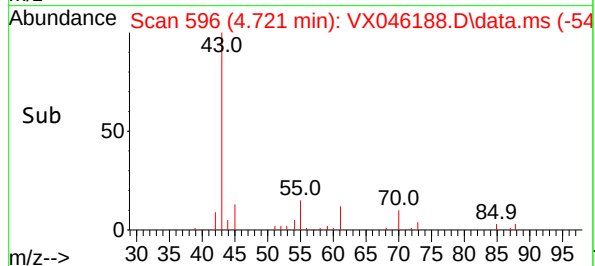
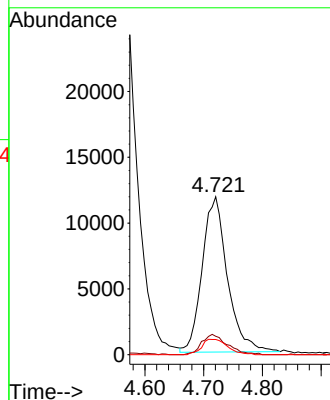
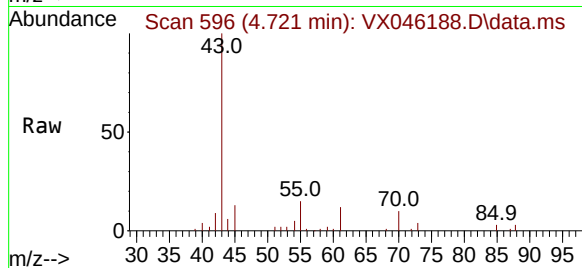
Tgt Ion:	43	Resp:	3521
Ion Ratio	Lower	Upper	
43	100		
61	13.3	10.3	15.5
70	10.1	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#38

Carbon Tetrachloride

Concen: 19.252 ug/l

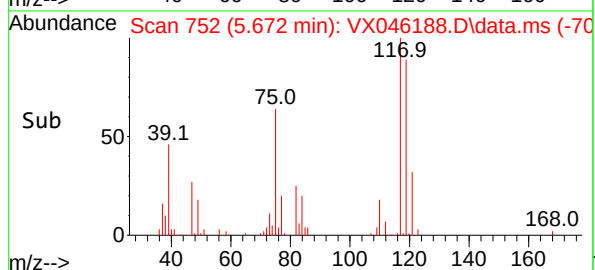
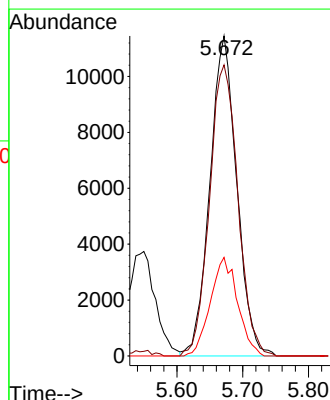
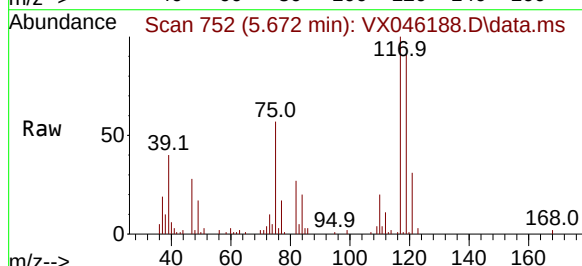
RT: 5.672 min Scan# 752

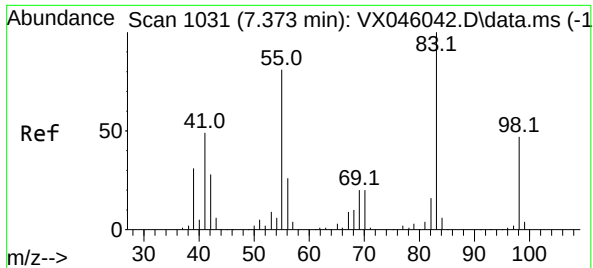
Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Tgt Ion:	117	Resp:	32596
Ion Ratio	Lower	Upper	
117	100		
119	90.9	75.2	112.8
121	30.8	24.2	36.4





#39

Methylcyclohexane

Concen: 17.942 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 83 Resp: 3480

Ion Ratio Lower Upper

83 100

55 82.4 64.7 97.1

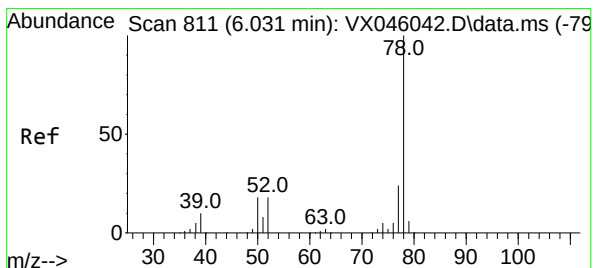
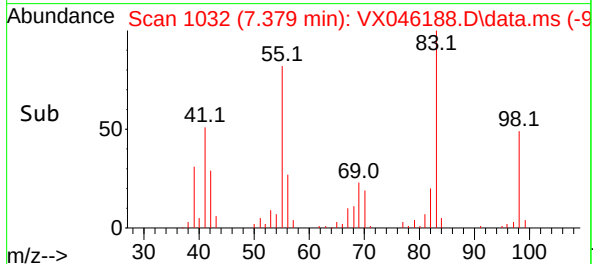
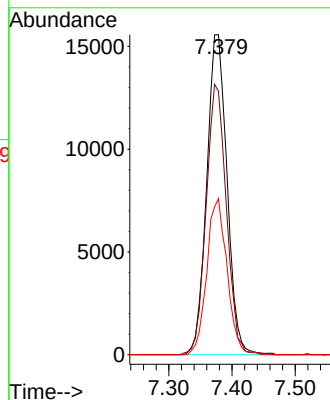
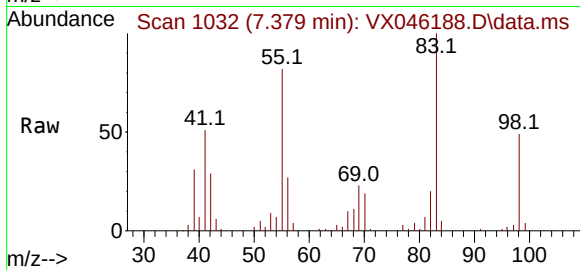
98 48.7 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#40

Benzene

Concen: 19.841 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX046188.D

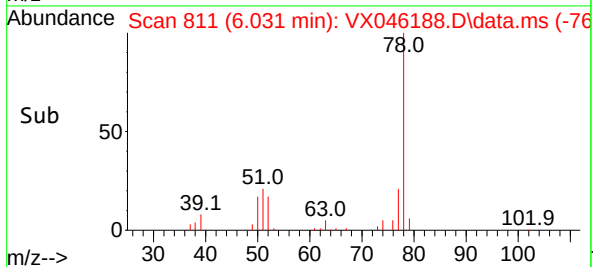
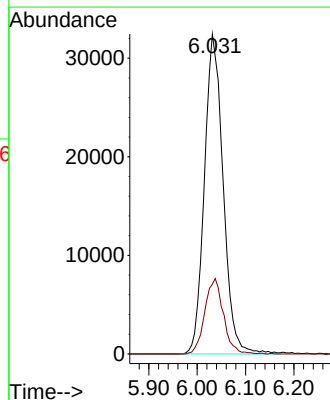
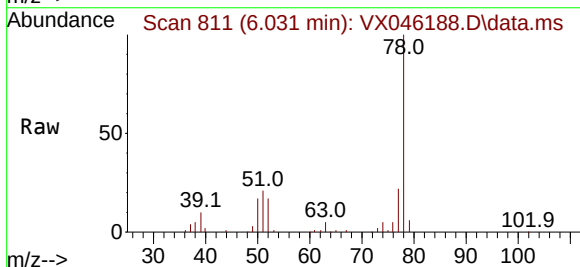
Acq: 14 May 2025 12:46

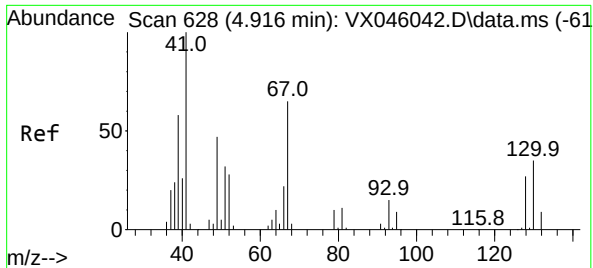
Tgt Ion: 78 Resp: 87577

Ion Ratio Lower Upper

78 100

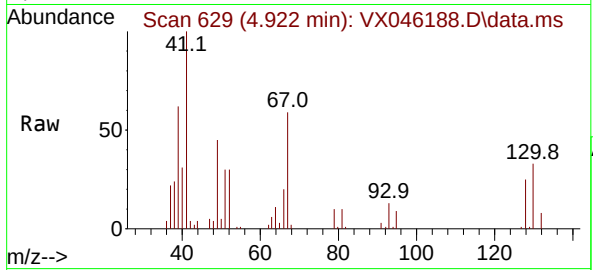
77 21.8 19.0 28.4





#41
Methacrylonitrile
Concen: 21.676 ug/l
RT: 4.922 min Scan# 611
Delta R.T. 0.006 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

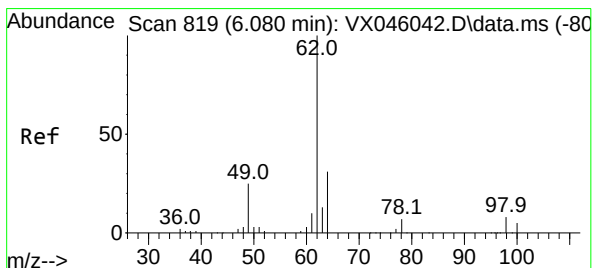
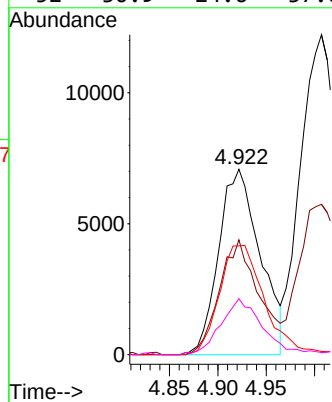
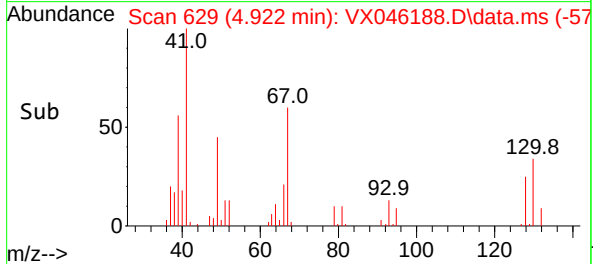
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



Tgt Ion: 41 Resp: 2111
Ion Ratio Lower Upper
41 100
39 59.2 47.2 70.8
67 64.7 50.7 76.1
52 30.9 24.6 37.0

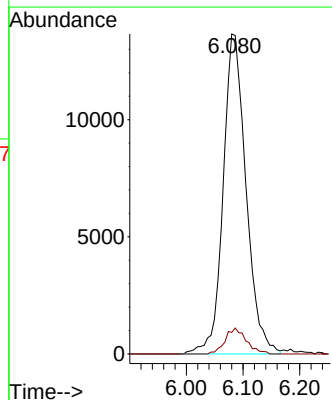
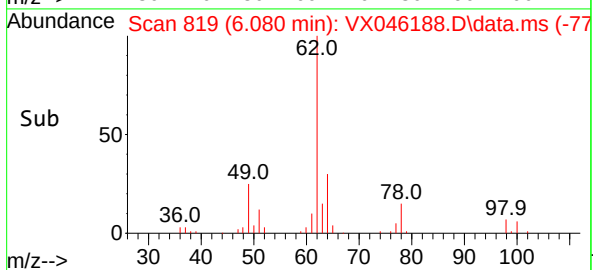
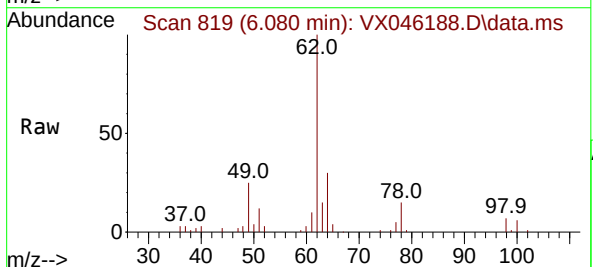
Manual Integrations
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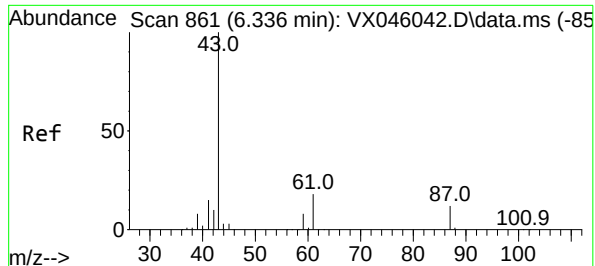
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#42
1,2-Dichloroethane
Concen: 20.117 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Tgt Ion: 62 Resp: 38323
Ion Ratio Lower Upper
62 100
98 7.5 0.0 15.2





#43

Isopropyl Acetate

Concen: 19.771 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

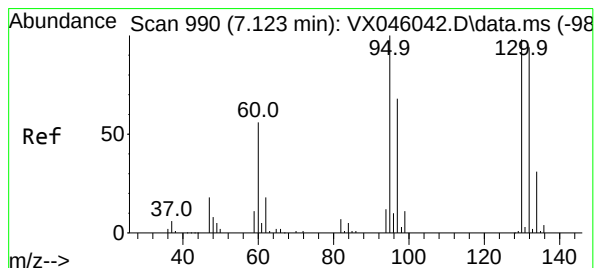
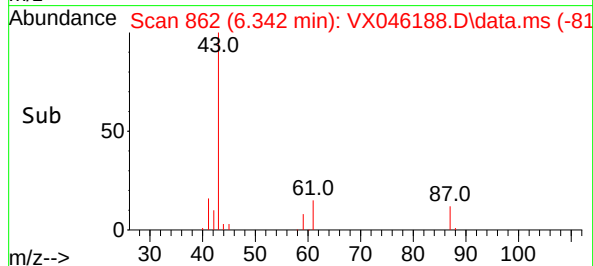
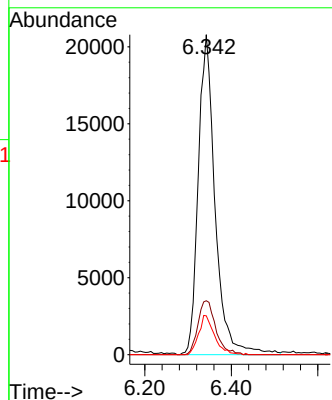
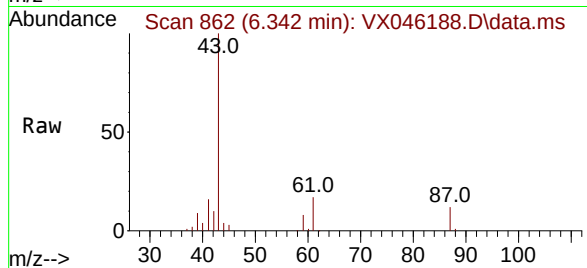
Tgt Ion:	43	Resp:	56154
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.3	21.5
87	11.5	9.5	14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#44

Trichloroethene

Concen: 18.852 ug/l

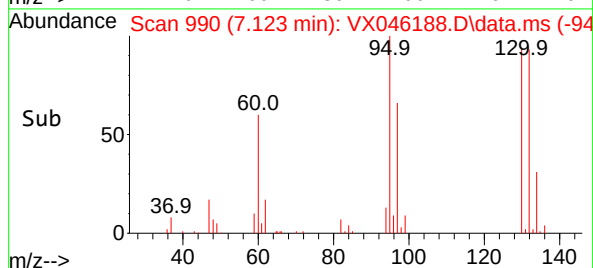
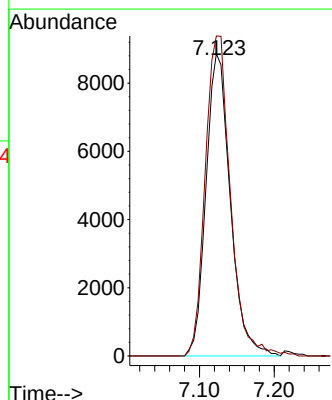
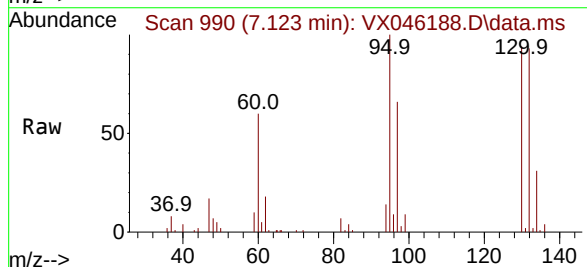
RT: 7.123 min Scan# 990

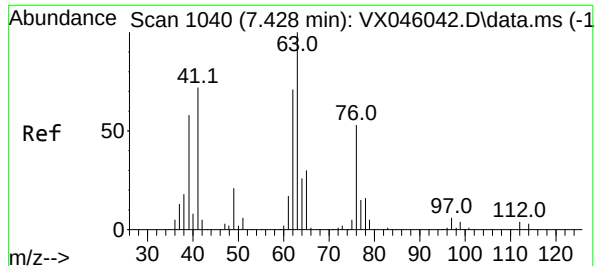
Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Tgt Ion:	130	Resp:	20027
Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	204.2





#45

1,2-Dichloropropane

Concen: 20.445 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 63 Resp: 22439

Ion Ratio Lower Upper

63 100

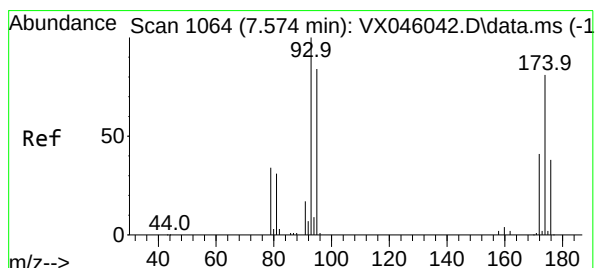
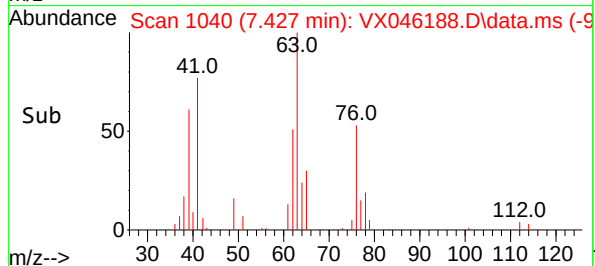
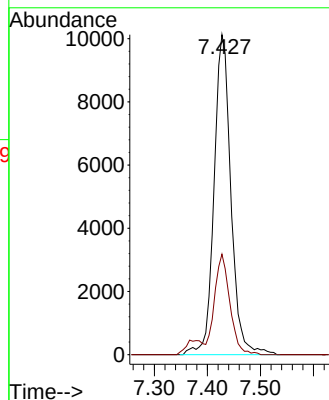
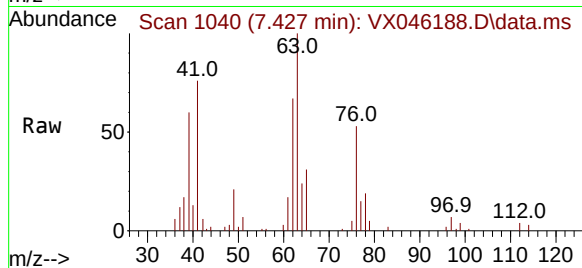
65 31.4 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#46

Dibromomethane

Concen: 19.839 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

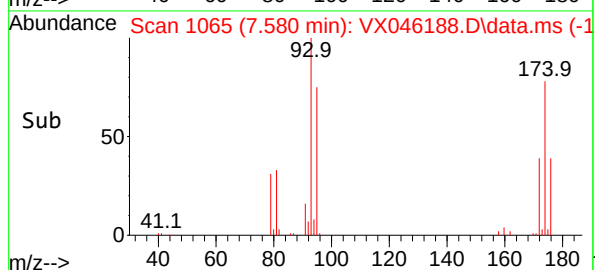
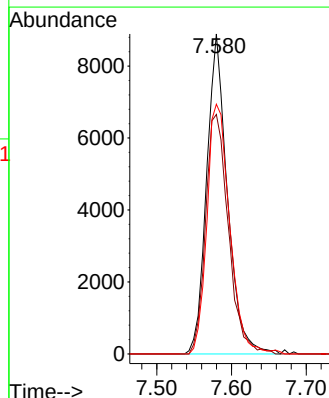
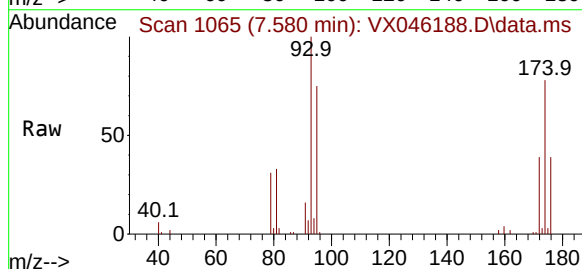
Tgt Ion: 93 Resp: 17173

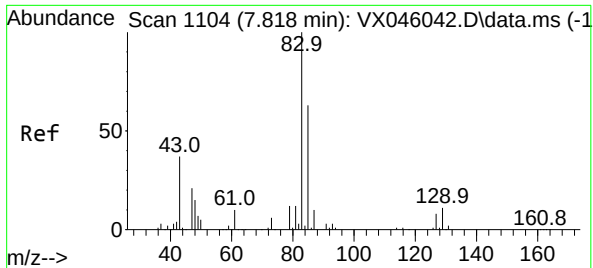
Ion Ratio Lower Upper

93 100

95 82.2 65.6 98.4

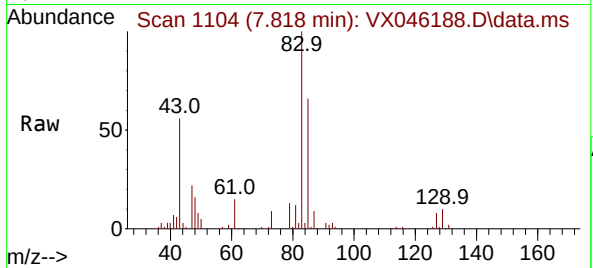
174 85.7 68.2 102.2





#47
Bromodichloromethane
Concen: 19.759 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

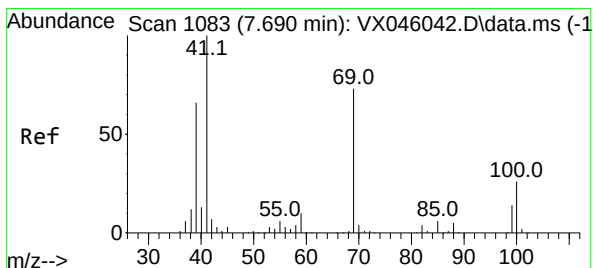
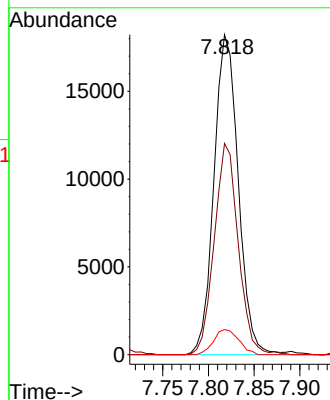
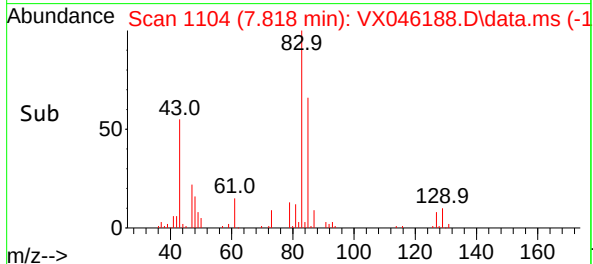
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



Tgt Ion: 83 Resp: 3368
Ion Ratio Lower Upper
83 100
85 66.0 50.5 75.7
127 7.8 6.5 9.7

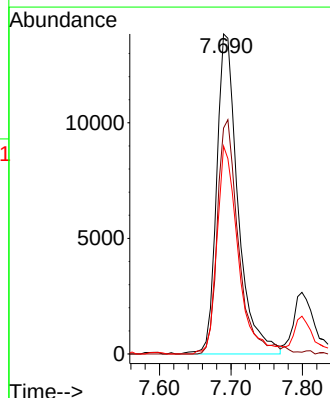
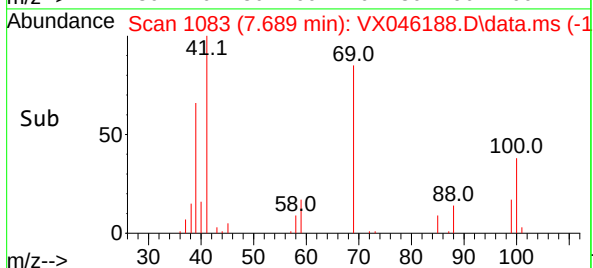
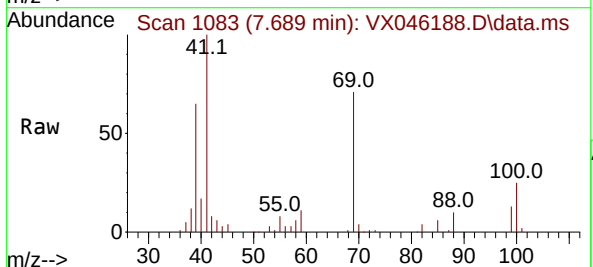
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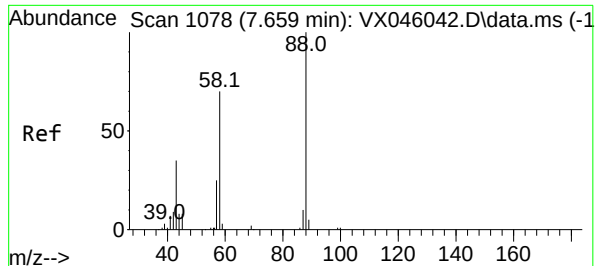
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#48
Methyl methacrylate
Concen: 19.809 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Tgt Ion: 41 Resp: 28733
Ion Ratio Lower Upper
41 100
69 72.8 58.5 87.7
39 65.1 51.7 77.5





#49

1,4-Dioxane

Concen: 457.379 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

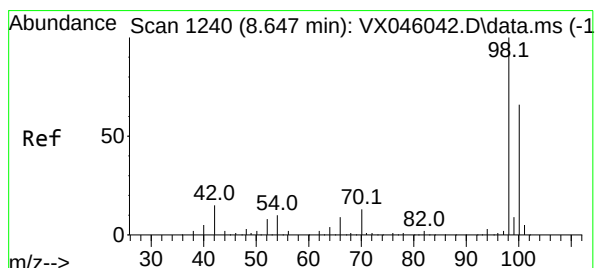
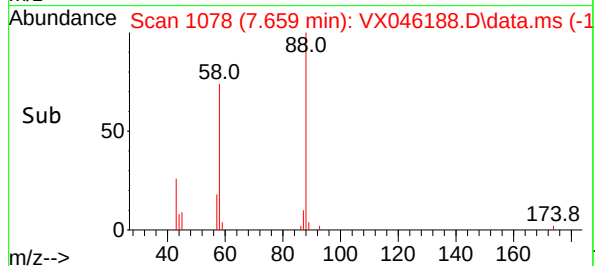
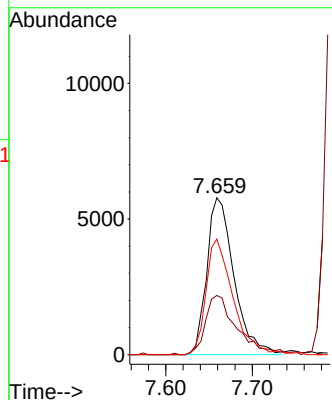
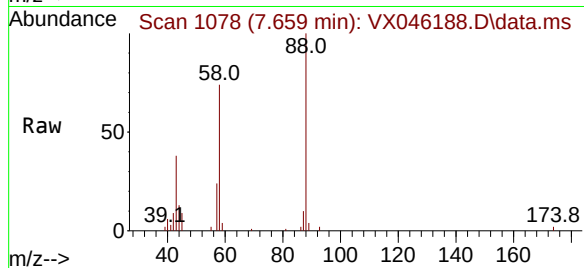
Tgt Ion:	88	Resp:	1259
Ion Ratio	Lower	Upper	
88	100		
43	43.4	33.4	50.2
58	73.6	58.6	88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#50

Toluene-d8

Concen: 51.320 ug/l

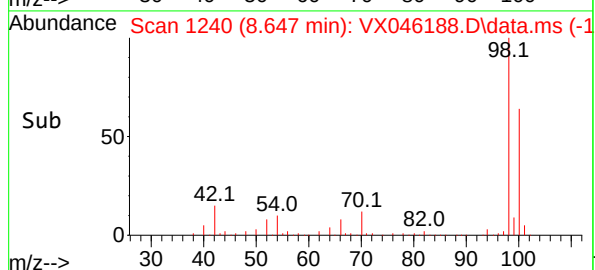
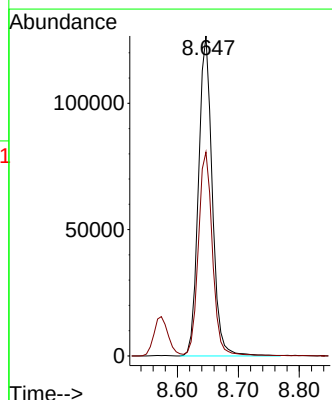
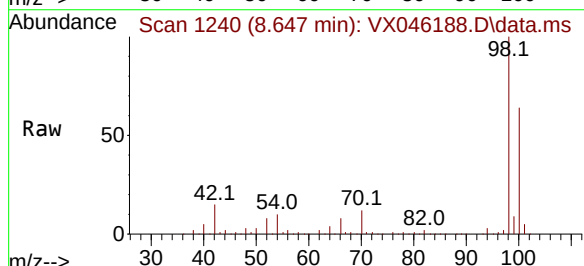
RT: 8.647 min Scan# 1240

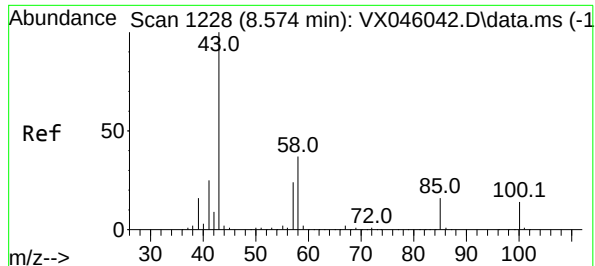
Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Tgt Ion:	98	Resp:	199212
Ion Ratio	Lower	Upper	
98	100		
100	65.0	53.5	80.3





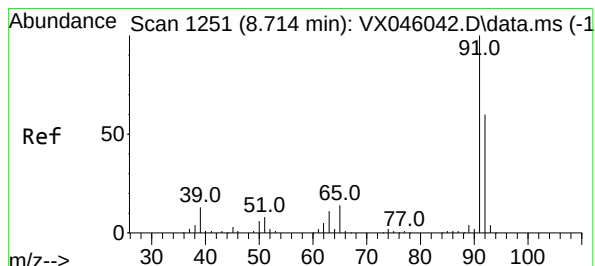
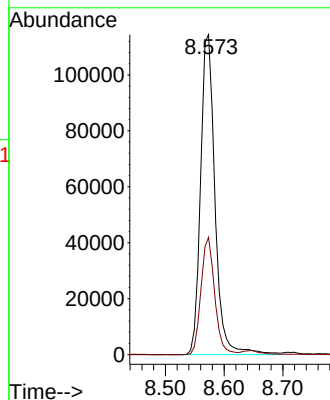
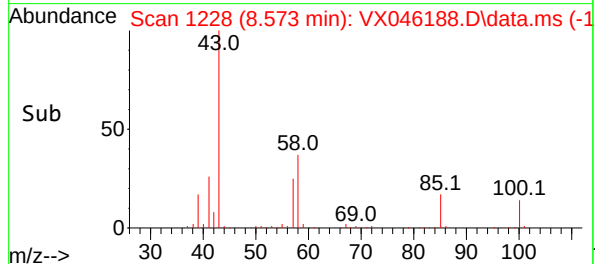
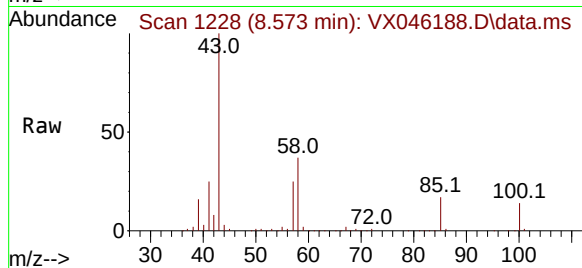
#51
4-Methyl-2-Pentanone
Concen: 103.848 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Tgt Ion: 43 Resp: 19578
Ion Ratio Lower Upper
43 100
58 34.8 28.9 43.3

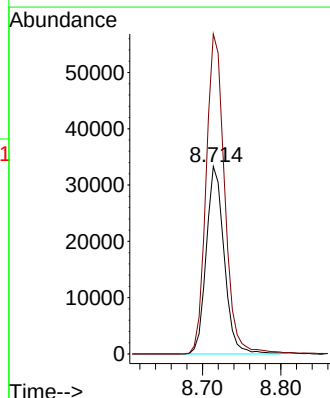
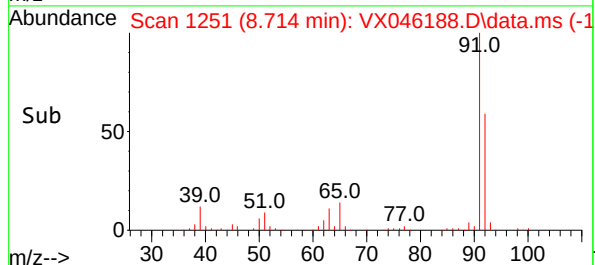
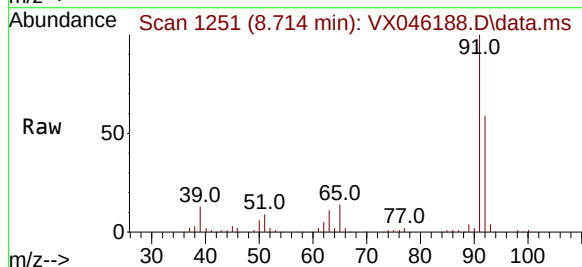
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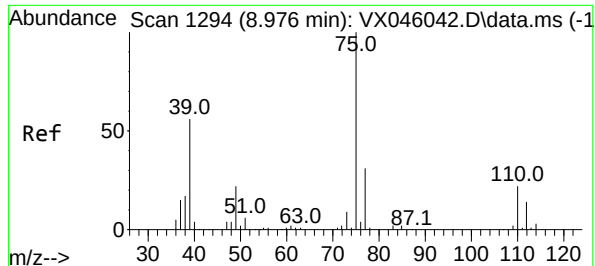
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#52
Toluene
Concen: 19.543 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Tgt Ion: 92 Resp: 52893
Ion Ratio Lower Upper
92 100
91 176.8 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 18.432 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 75 Resp: 2793

Ion Ratio Lower Upper

75 100

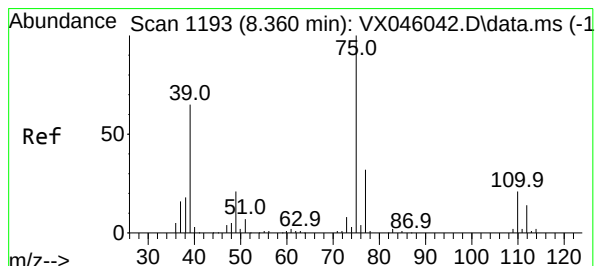
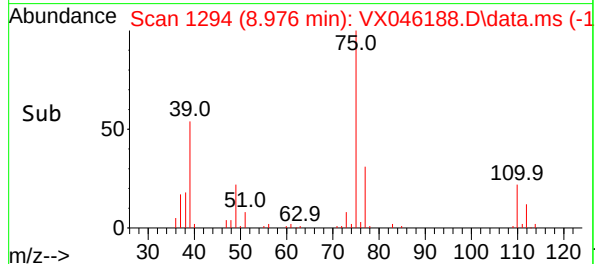
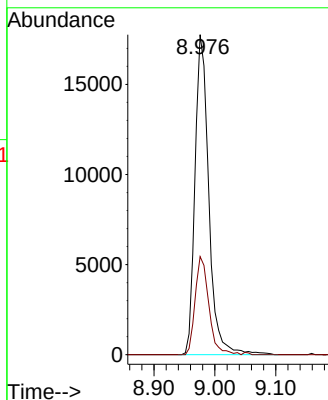
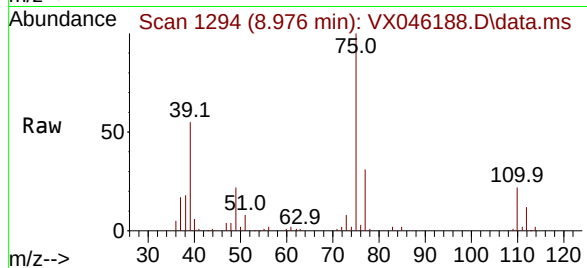
77 30.6 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#54

cis-1,3-Dichloropropene

Concen: 18.968 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

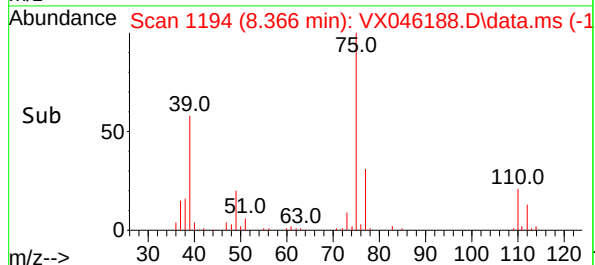
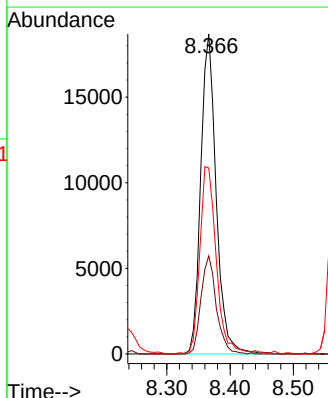
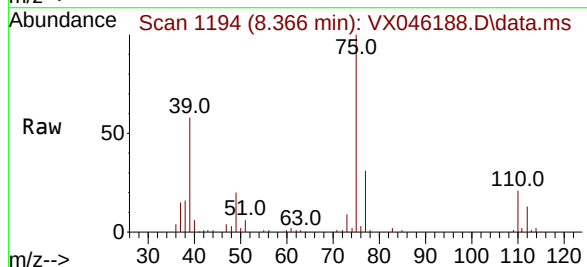
Tgt Ion: 75 Resp: 31770

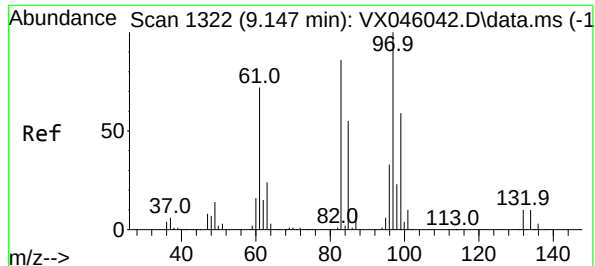
Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0

39 57.8 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 20.614 ug/l

RT: 9.153 min Scan# 1322

Delta R.T. 0.006 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 97 Resp: 2199

Ion Ratio Lower Upper

97 100

83 79.7 69.0 103.6

85 55.4 44.3 66.5

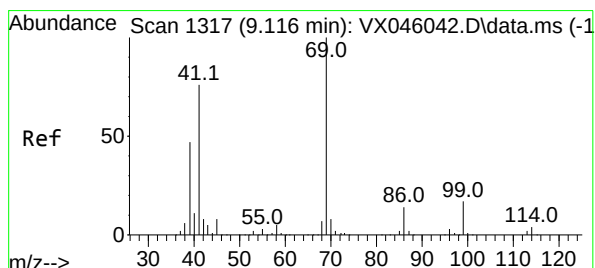
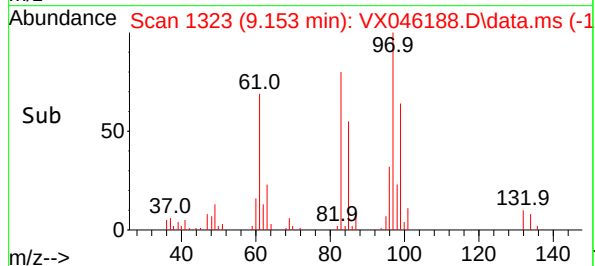
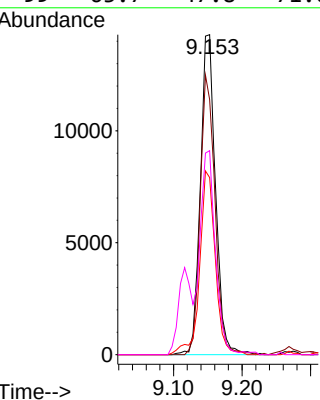
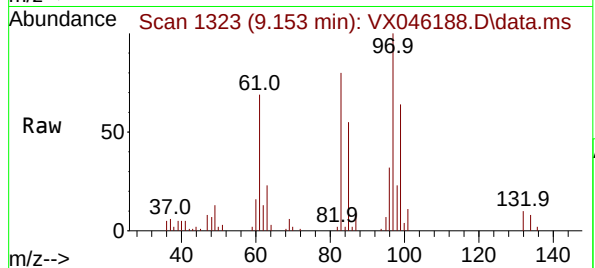
99 63.7 47.8 71.6

Manual Integrations

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Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#56

Ethyl methacrylate

Concen: 19.882 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

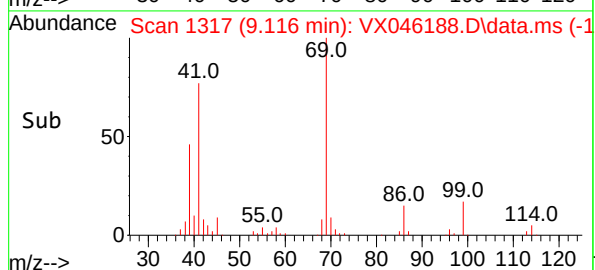
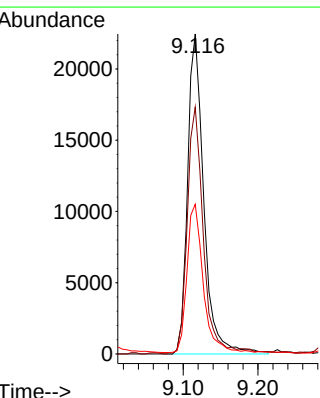
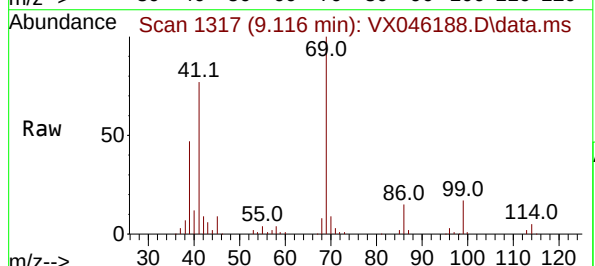
Tgt Ion: 69 Resp: 33817

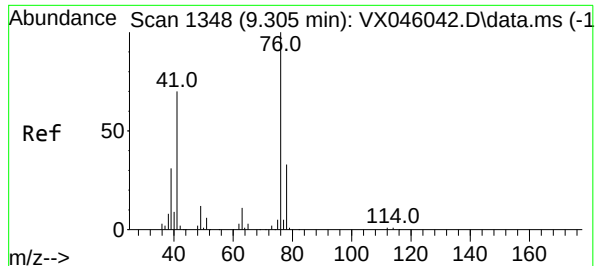
Ion Ratio Lower Upper

69 100

41 77.4 60.8 91.2

39 48.0 39.0 58.6





#57

1,3-Dichloropropane

Concen: 19.752 ug/l

RT: 9.305 min Scan# 11348

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 76 Resp: 3785

Ion Ratio Lower Upper

76 100

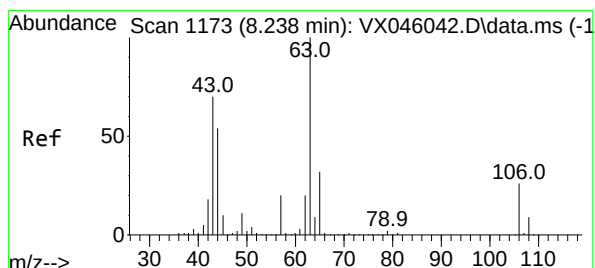
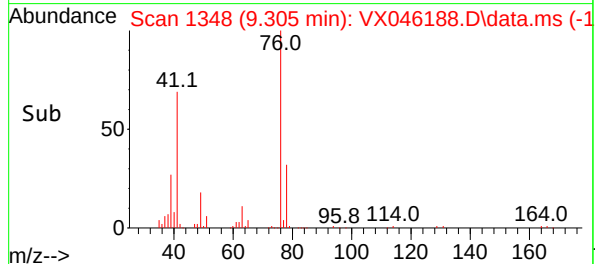
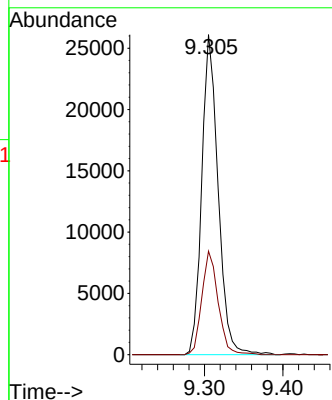
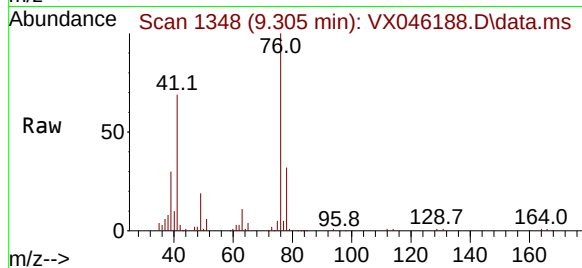
78 32.2 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#58

2-Chloroethyl Vinyl ether

Concen: 104.151 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX046188.D

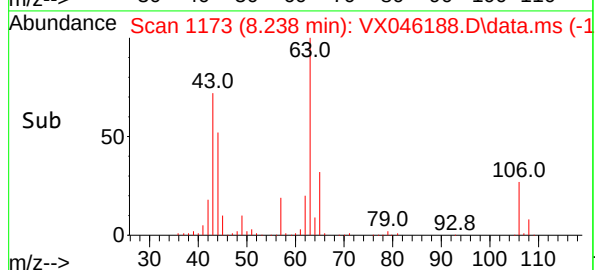
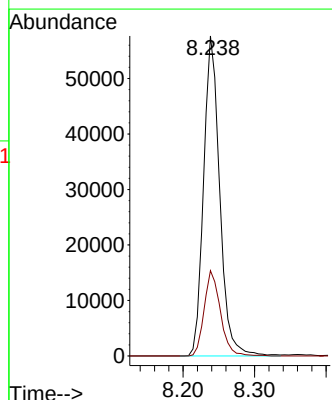
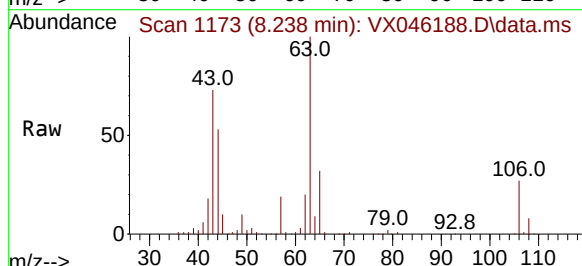
Acq: 14 May 2025 12:46

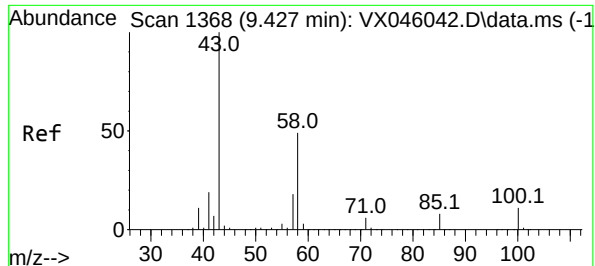
Tgt Ion: 63 Resp: 90312

Ion Ratio Lower Upper

63 100

106 26.9 21.5 32.3





#59

2-Hexanone

Concen: 103.768 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 43 Resp: 144738

Ion Ratio Lower Upper

43 100

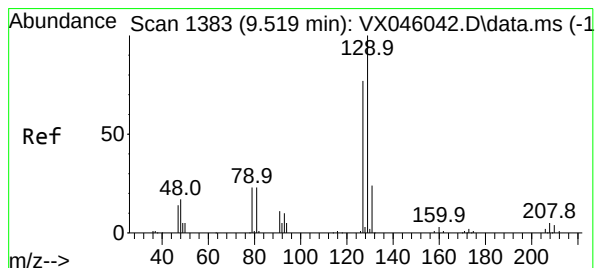
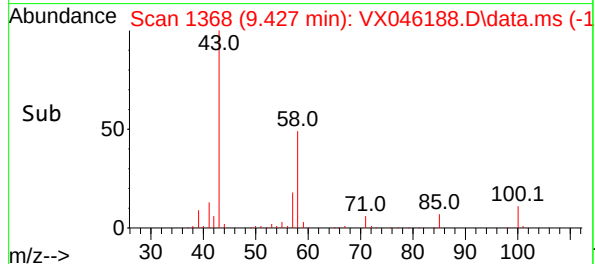
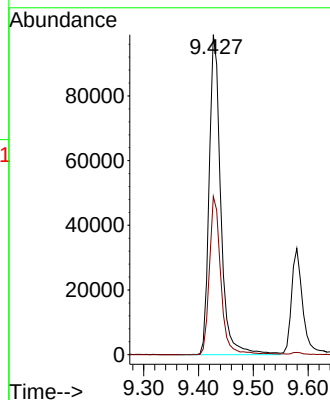
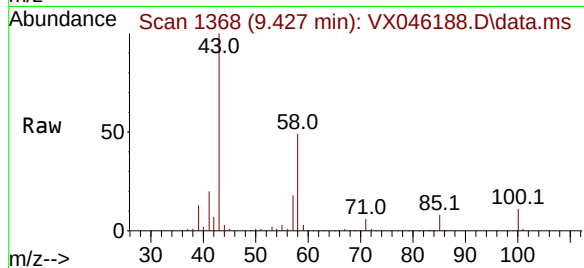
58 48.4 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#60

Dibromochloromethane

Concen: 19.687 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX046188.D

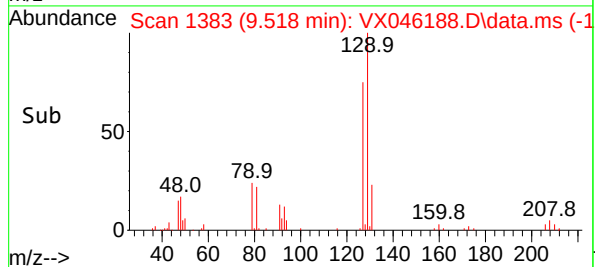
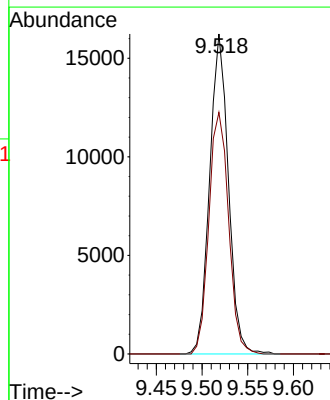
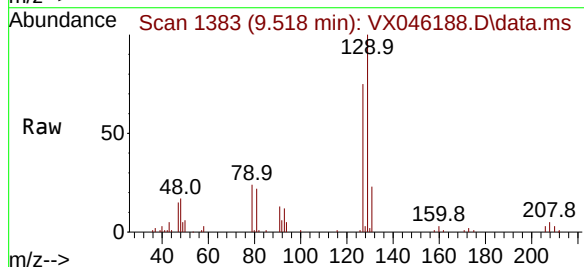
Acq: 14 May 2025 12:46

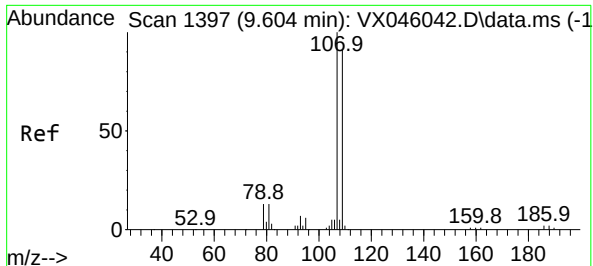
Tgt Ion:129 Resp: 23073

Ion Ratio Lower Upper

129 100

127 79.4 39.3 117.8





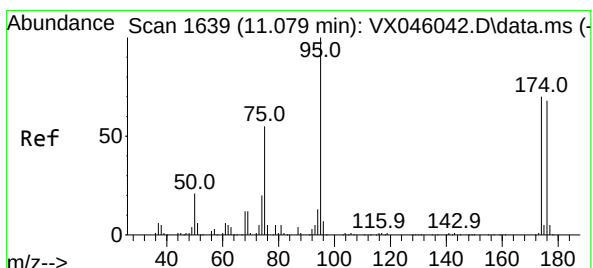
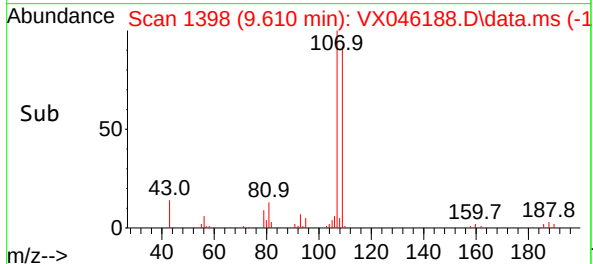
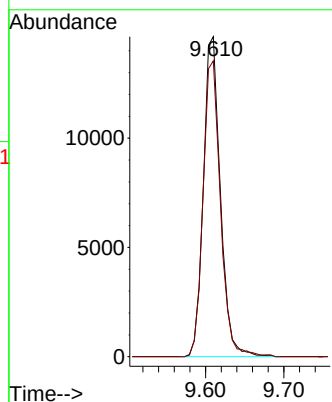
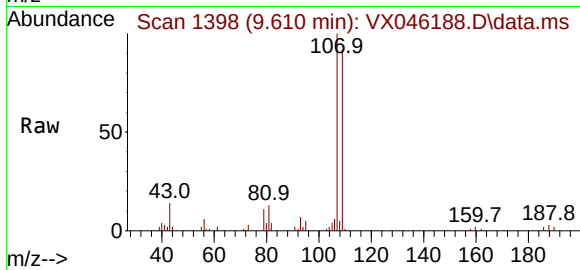
#61
1,2-Dibromoethane
Concen: 19.889 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Tgt Ion:107 Resp: 22060
Ion Ratio Lower Upper
107 100
109 94.6 73.3 109.9

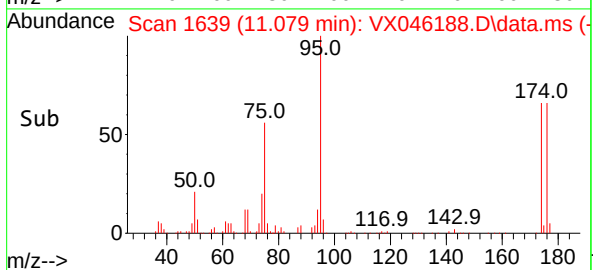
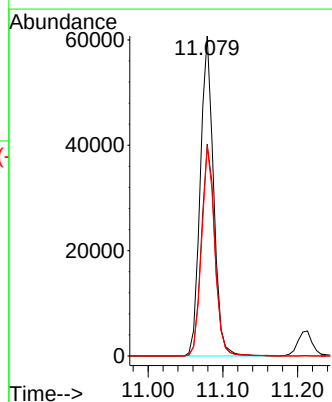
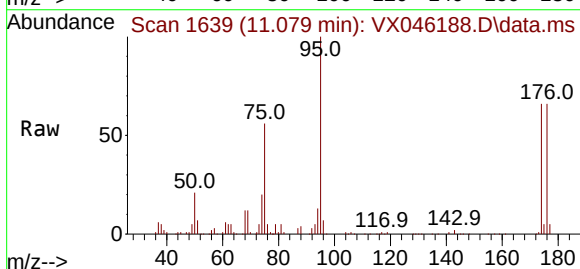
Manual Integrations
APPROVED

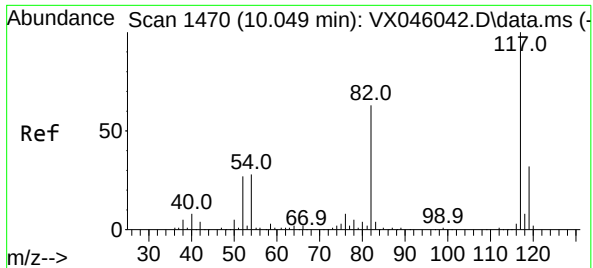
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#62
4-Bromofluorobenzene
Concen: 50.159 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

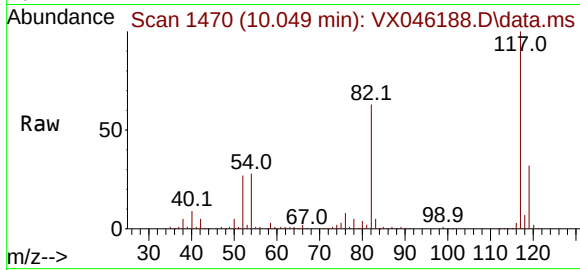
Tgt Ion: 95 Resp: 74687
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 64.6 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

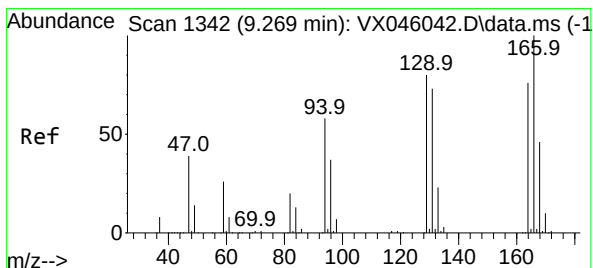
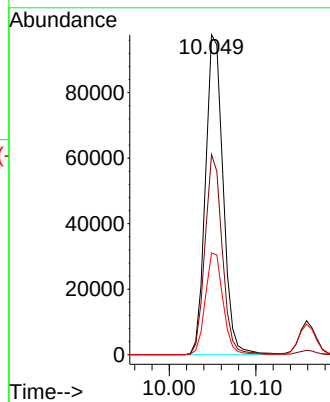
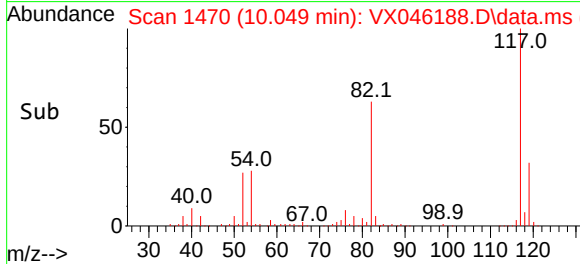
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



Tgt Ion:117 Resp: 138245
Ion Ratio Lower Upper
117 100
82 62.6 50.6 76.0
119 31.8 25.8 38.6

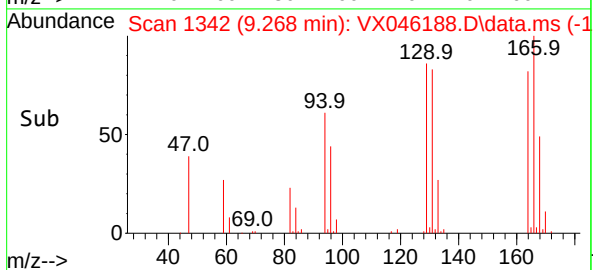
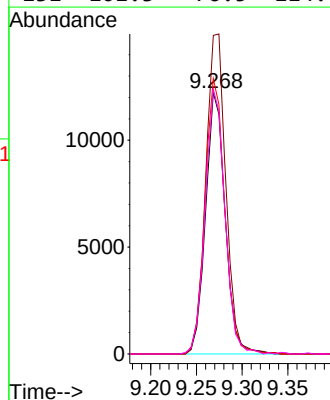
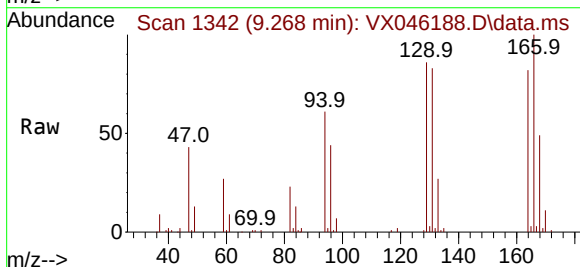
Manual Integrations
APPROVED

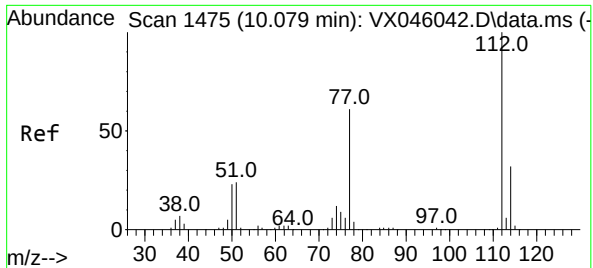
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#64
Tetrachloroethene
Concen: 18.518 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

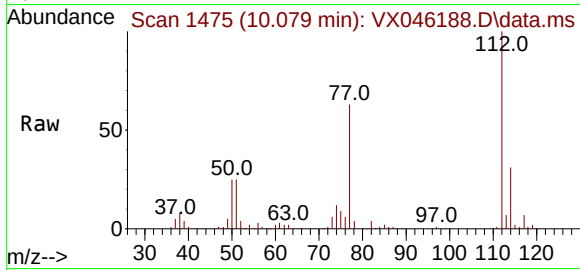
Tgt Ion:164 Resp: 18113
Ion Ratio Lower Upper
164 100
166 121.9 105.0 157.6
129 105.3 83.5 125.3
131 101.3 76.5 114.7





#65
Chlorobenzene
Concen: 18.958 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

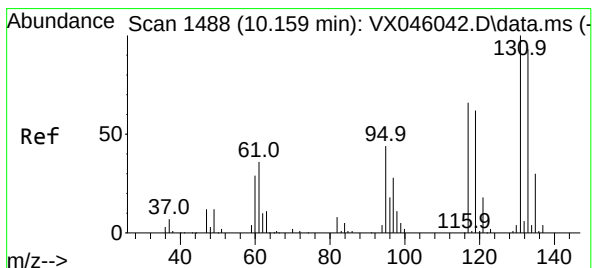
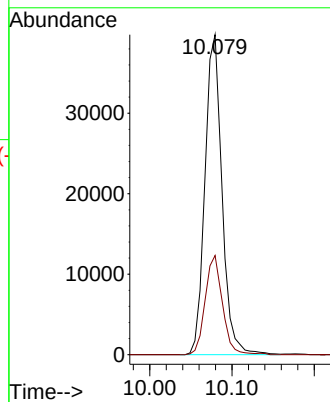
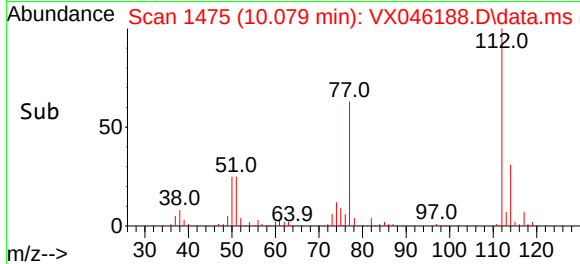
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



Tgt Ion:112 Resp: 57364
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2

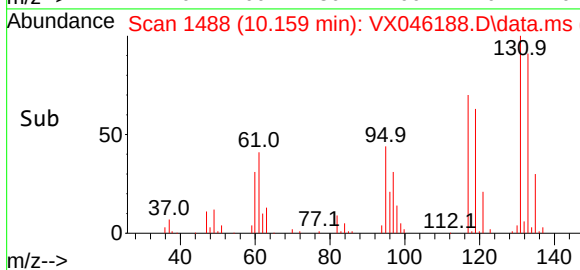
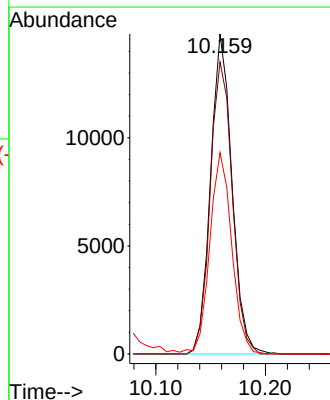
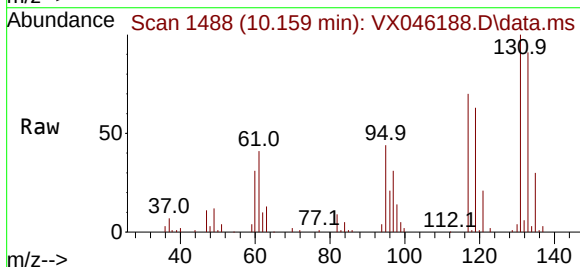
Manual Integrations
APPROVED

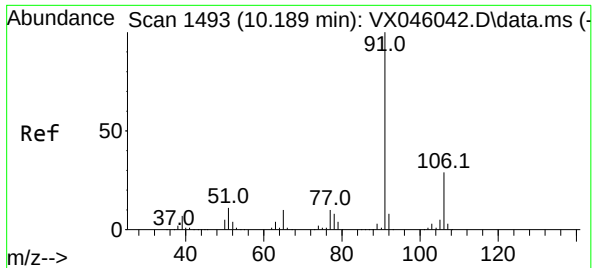
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 19.455 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

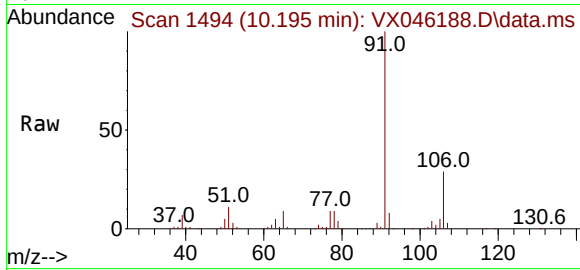
Tgt Ion:131 Resp: 20101
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.9
119 64.3 31.6 95.0





#67
Ethyl Benzene
Concen: 19.381 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

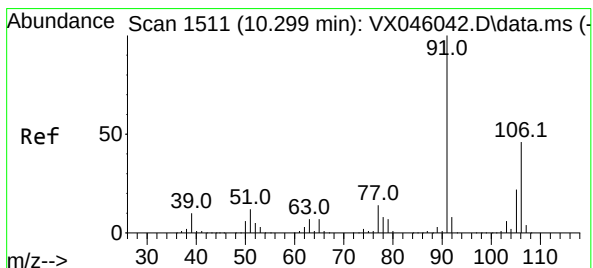
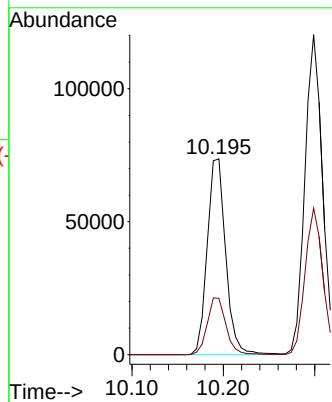
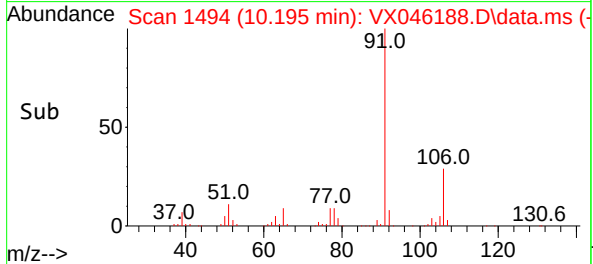
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



Tgt Ion: 91 Resp: 103370
Ion Ratio Lower Upper
91 100
106 28.8 23.4 35.2

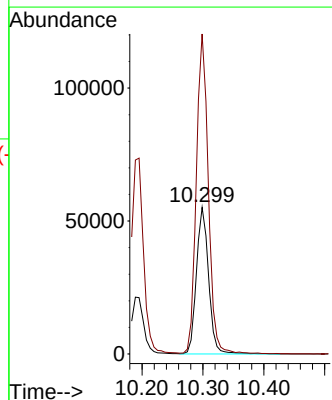
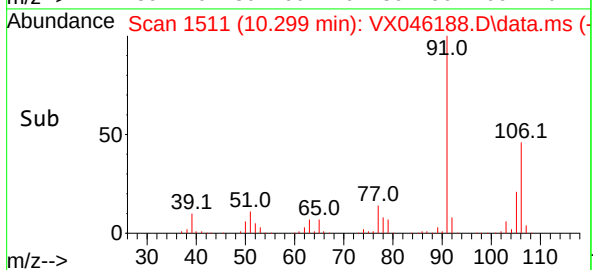
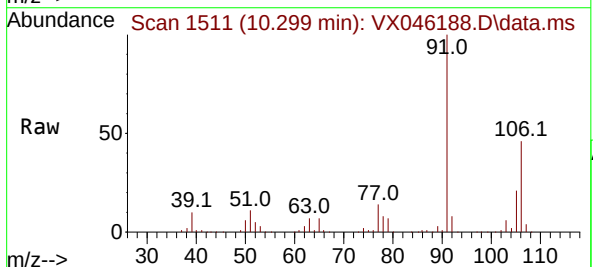
Manual Integrations
APPROVED

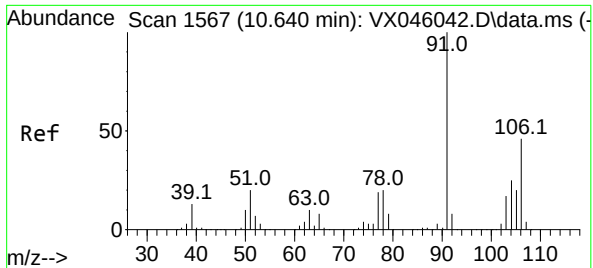
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#68
m/p-Xylenes
Concen: 39.202 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Tgt Ion:106 Resp: 76474
Ion Ratio Lower Upper
106 100
91 214.7 171.2 256.8





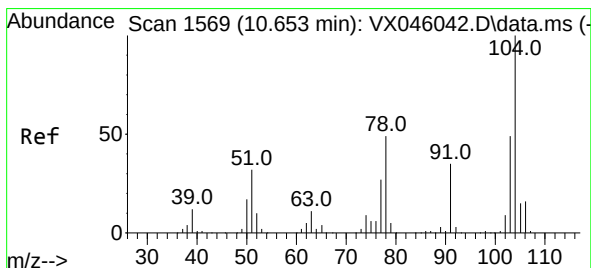
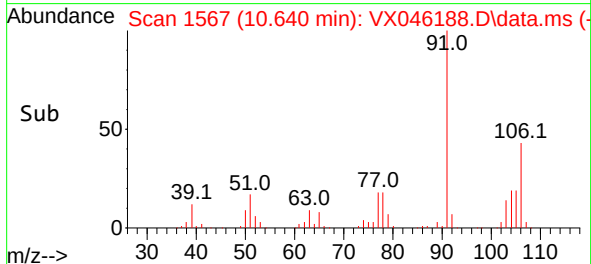
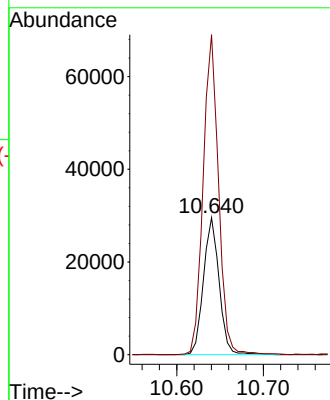
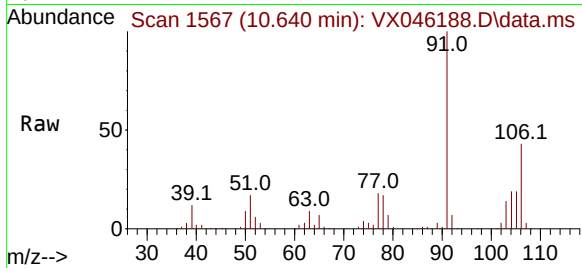
#69
o-Xylene
Concen: 19.490 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Tgt Ion:106 Resp: 37060
Ion Ratio Lower Upper
106 100
91 230.4 112.7 338.1

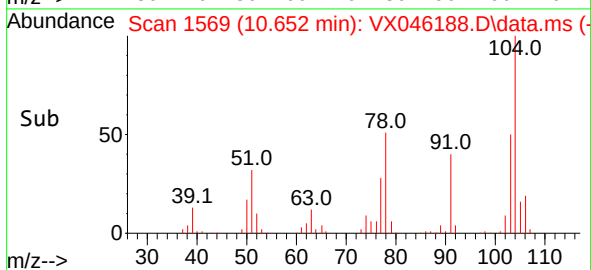
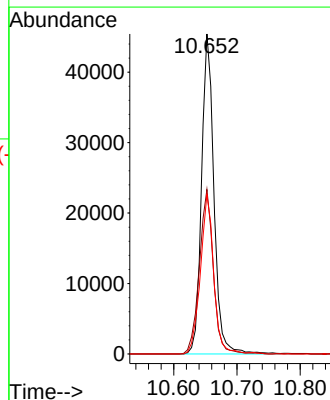
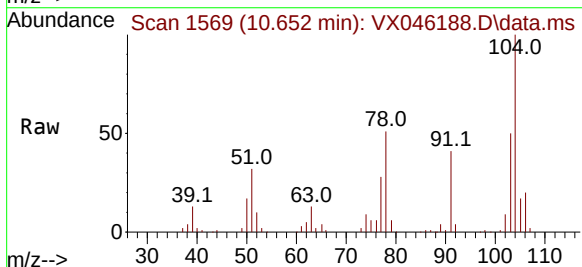
Manual Integrations
APPROVED

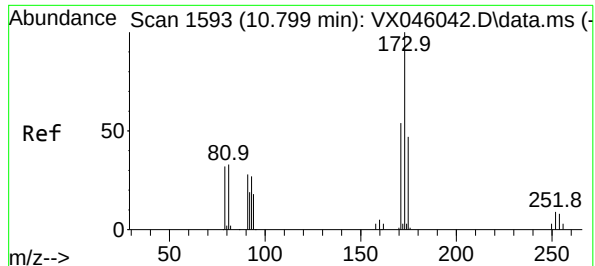
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#70
Styrene
Concen: 19.984 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

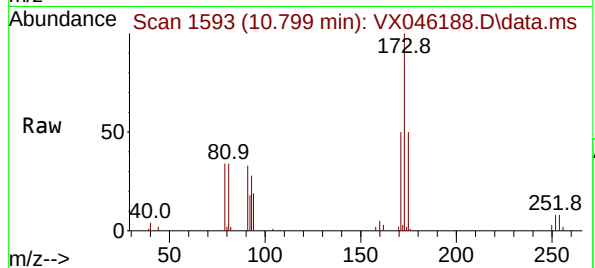
Tgt Ion:104 Resp: 62259
Ion Ratio Lower Upper
104 100
78 57.8 45.7 68.5
103 53.7 43.7 65.5





#71
Bromoform
Concen: 18.572 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

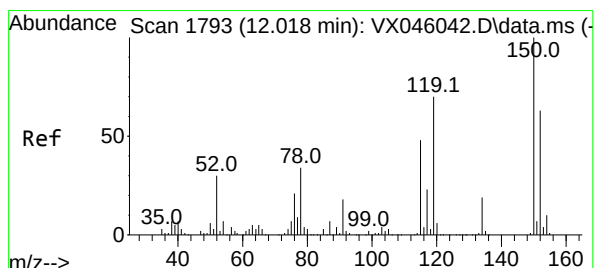
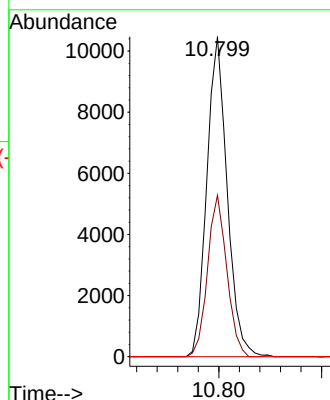
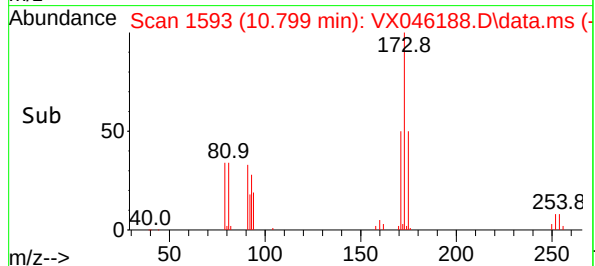
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



Tgt Ion:173 Resp: 1440
Ion Ratio Lower Upper
173 100
175 47.8 23.4 70.0
254 0.0 0.0 0.0

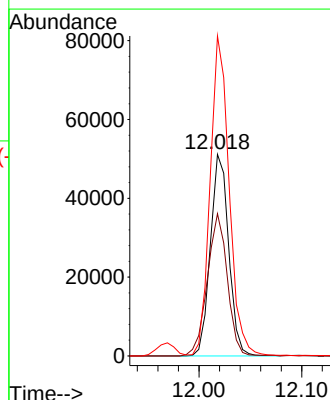
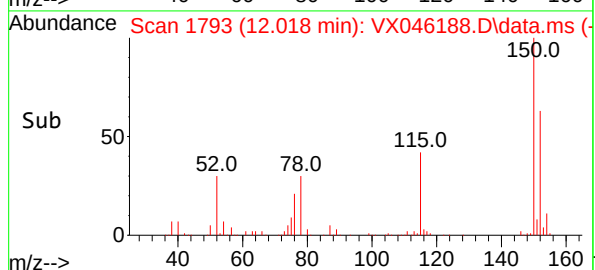
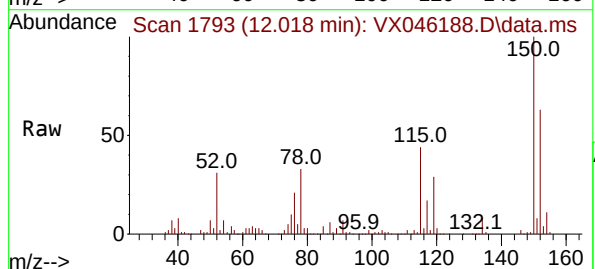
Manual Integrations
APPROVED

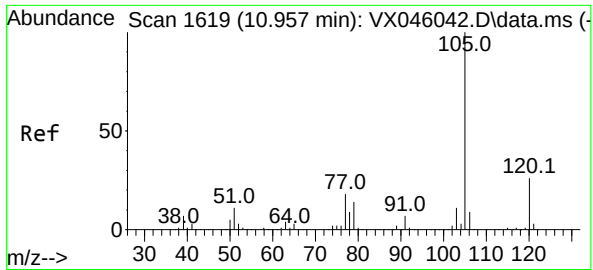
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

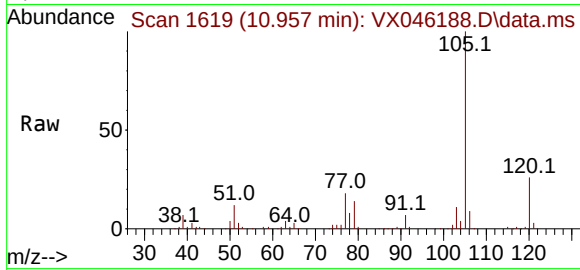
Tgt Ion:152 Resp: 63286
Ion Ratio Lower Upper
152 100
115 77.1 46.9 140.7
150 164.3 0.0 351.0





#73
Isopropylbenzene
Concen: 20.308 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

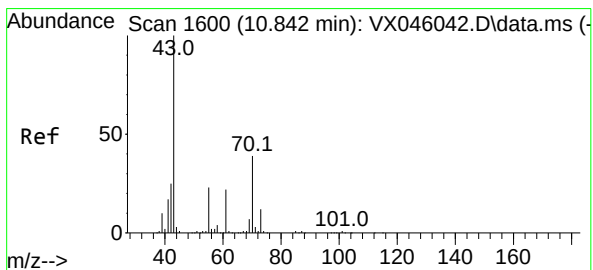
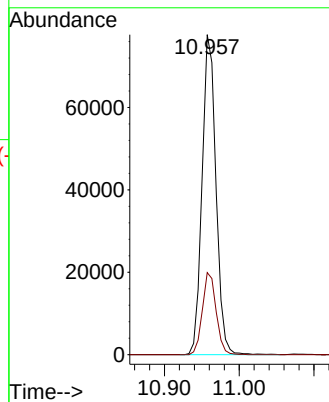
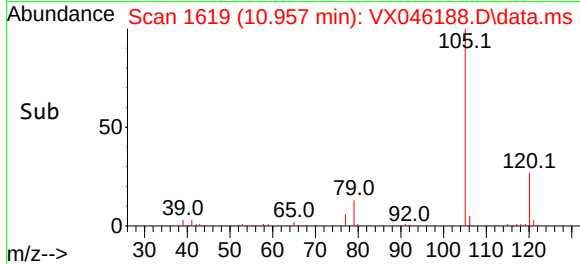
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



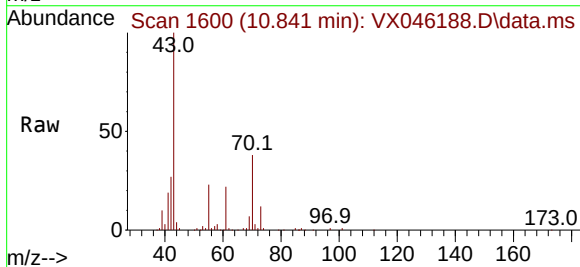
Tgt Ion:105 Resp: 100059
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.4

Manual Integrations
APPROVED

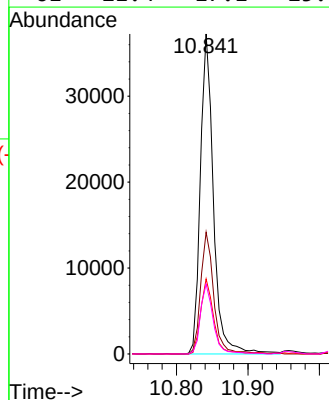
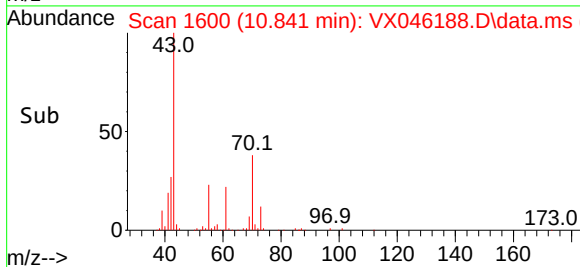
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

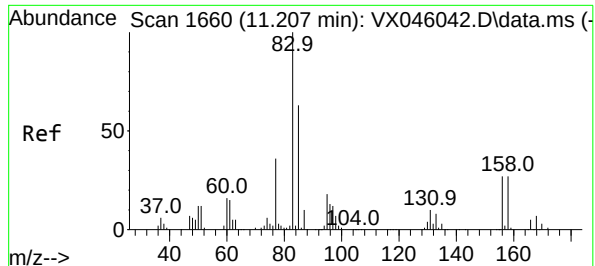


#74
N-ethyl acetate
Concen: 19.425 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46



Tgt Ion: 43 Resp: 47294
Ion Ratio Lower Upper
43 100
70 38.2 30.9 46.3
55 23.5 18.7 28.1
61 21.4 17.1 25.7





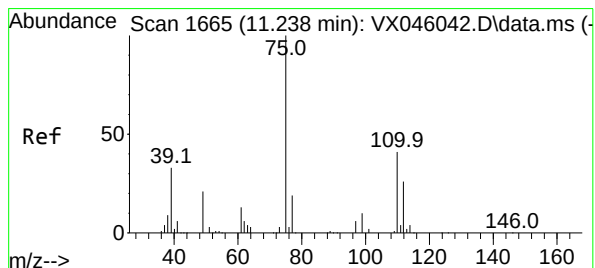
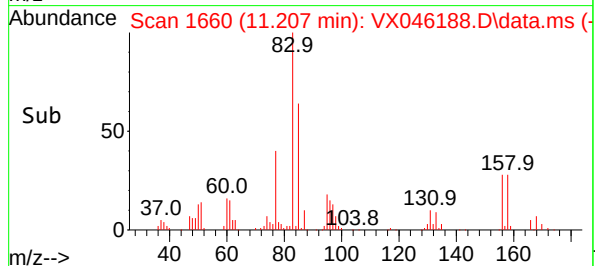
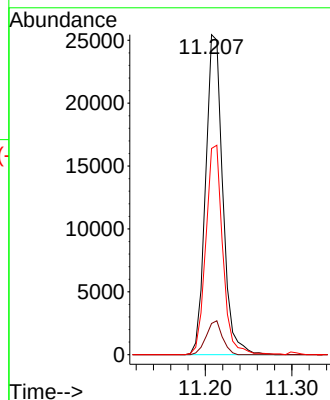
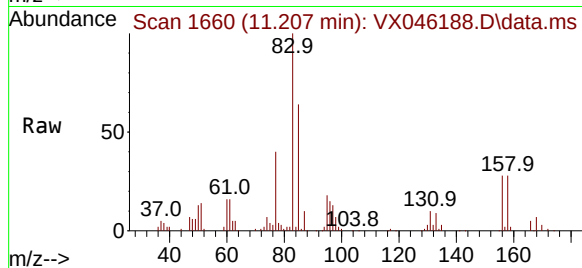
#75
1,1,2,2-Tetrachloroethane
Concen: 20.243 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Tgt Ion:	83	Resp:	3495
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	64.7	31.9	95.7

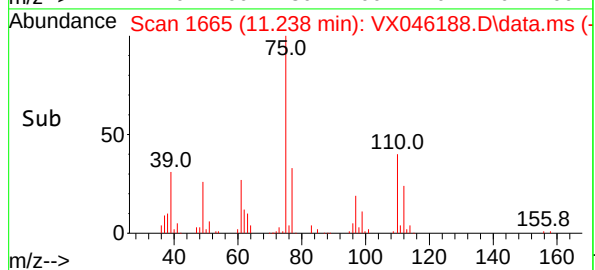
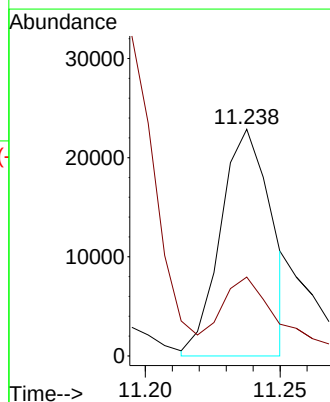
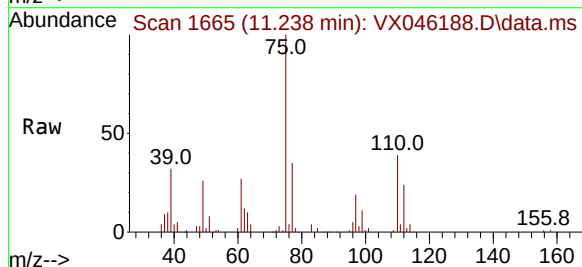
Manual Integrations
APPROVED

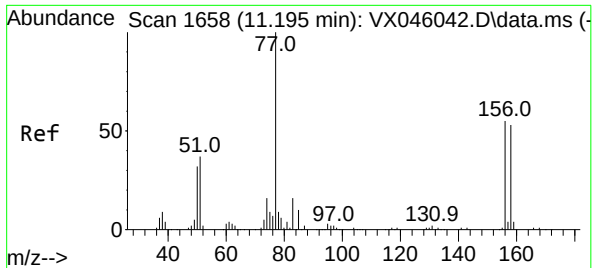
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#76
1,2,3-Trichloropropane
Concen: 19.656 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

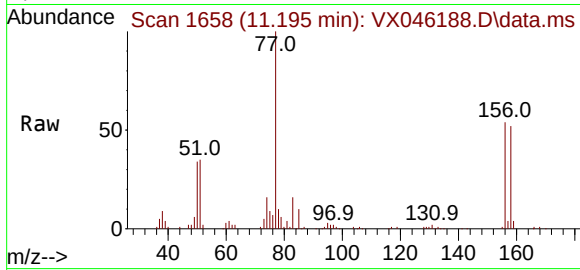
Tgt Ion:	75	Resp:	29943
Ion Ratio	Lower	Upper	
75	100		
77	40.6	20.5	61.5





#77
Bromobenzene
Concen: 19.401 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

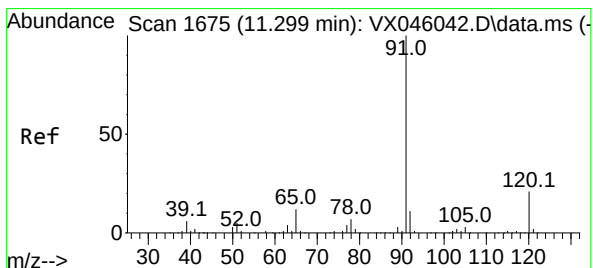
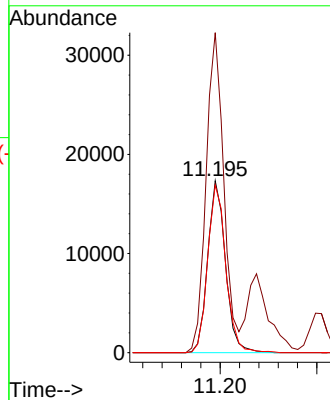
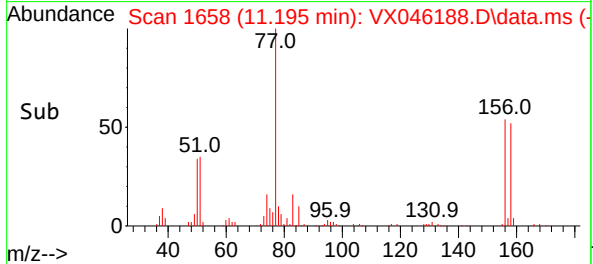
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



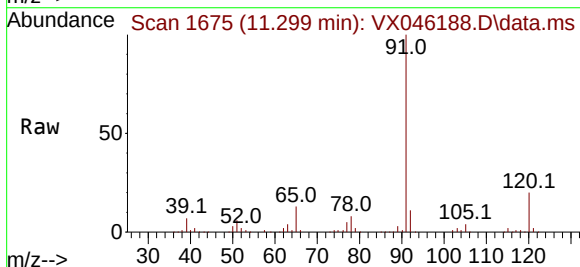
Tgt Ion:156 Resp: 22192
Ion Ratio Lower Upper
156 100
77 185.6 92.8 278.3
158 100.0 48.8 146.3

Manual Integrations
APPROVED

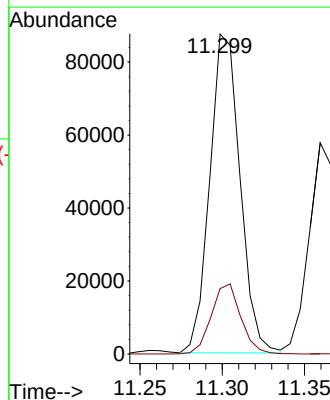
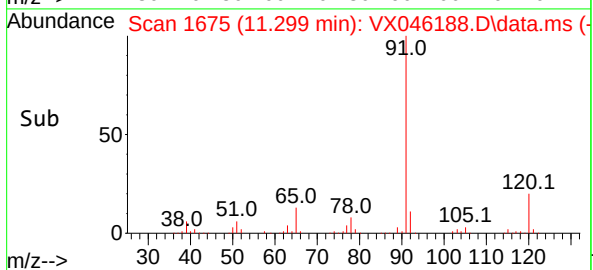
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

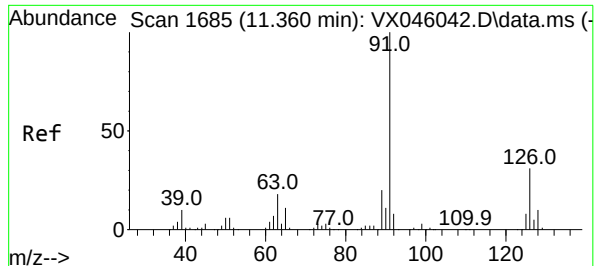


#78
n-propylbenzene
Concen: 19.578 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46



Tgt Ion: 91 Resp: 112157
Ion Ratio Lower Upper
91 100
120 21.4 10.8 32.4





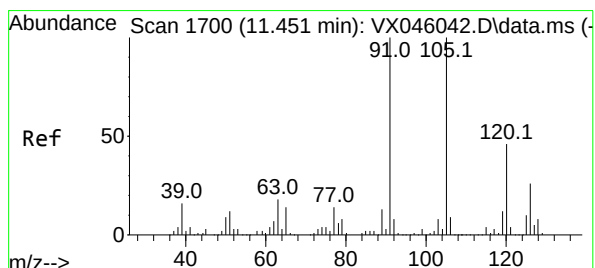
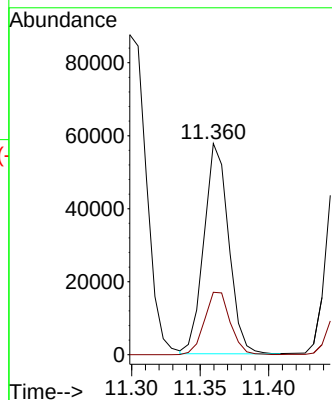
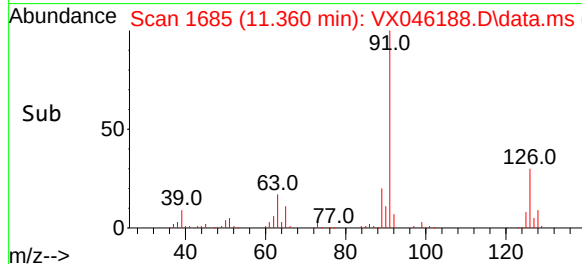
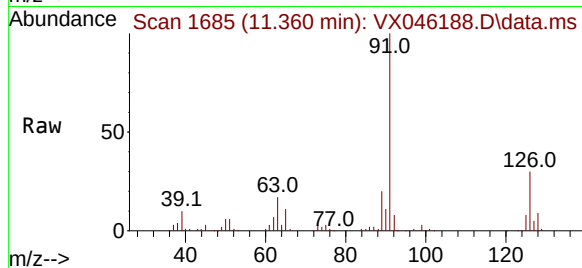
#79
2-Chlorotoluene
Concen: 19.594 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01

Tgt Ion: 91 Resp: 72402
Ion Ratio Lower Upper
91 100
126 30.9 15.6 46.7

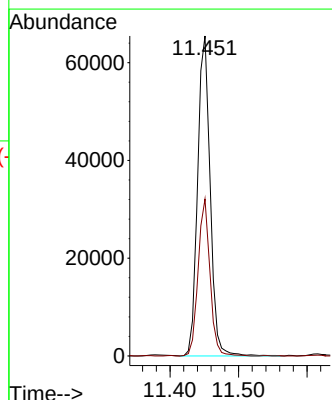
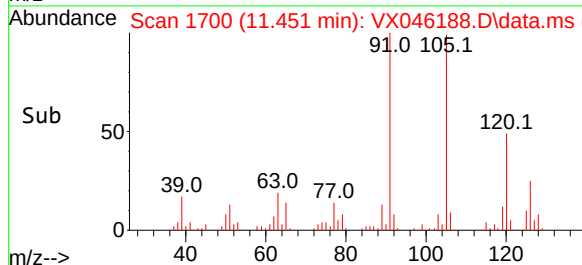
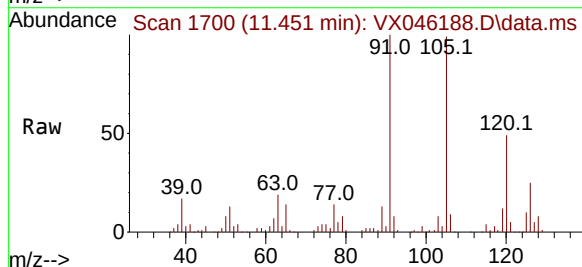
Manual Integrations
APPROVED

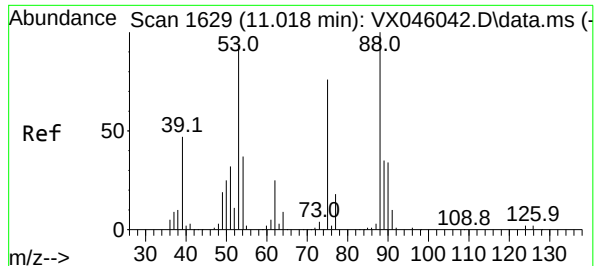
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.319 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

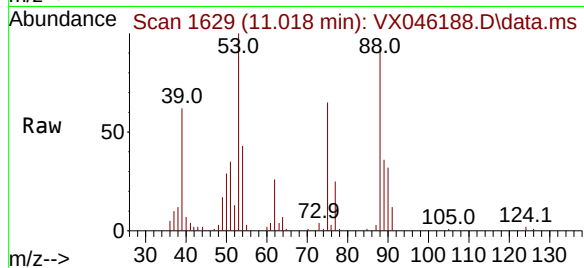
Tgt Ion:105 Resp: 83635
Ion Ratio Lower Upper
105 100
120 46.5 23.1 69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 15.734 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

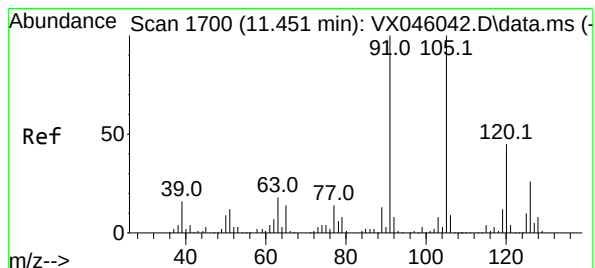
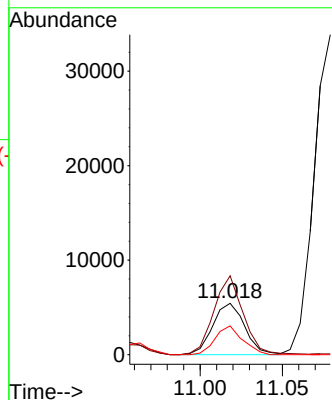
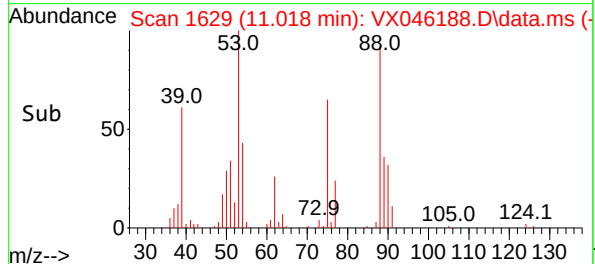
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



Tgt Ion: 75 Resp: 7362
Ion Ratio Lower Upper
75 100
53 142.2 100.5 150.7
89 48.0 37.0 55.6

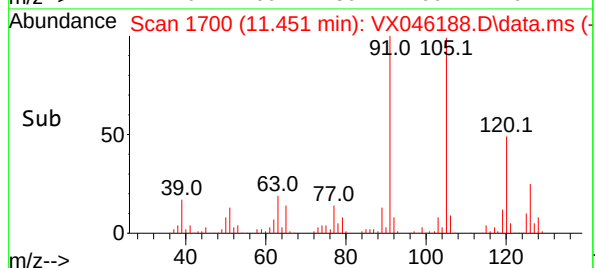
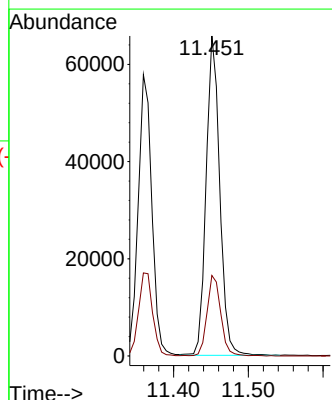
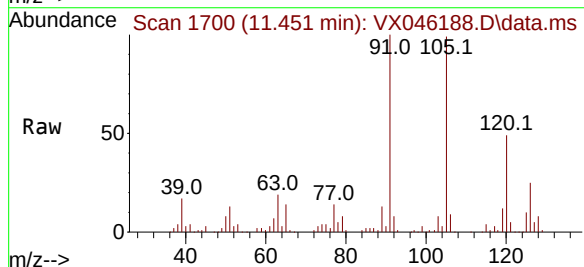
Manual Integrations
APPROVED

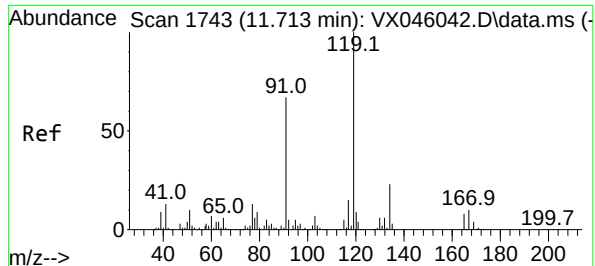
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#82
4-Chlorotoluene
Concen: 20.290 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

Tgt Ion: 91 Resp: 83144
Ion Ratio Lower Upper
91 100
126 25.5 13.3 39.8





#83

tert-Butylbenzene

Concen: 19.860 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion:119 Resp: 8234

Ion Ratio Lower Upper

119 100

91 65.5 32.9 98.7

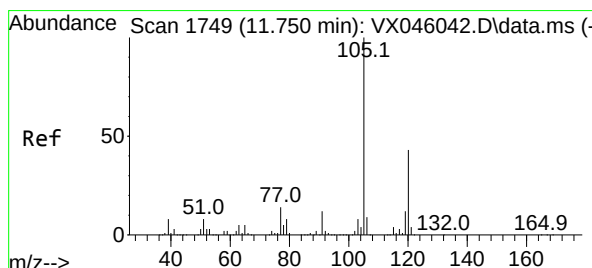
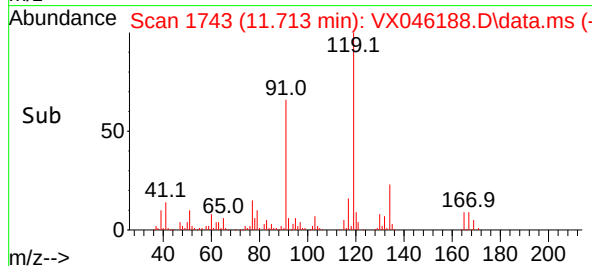
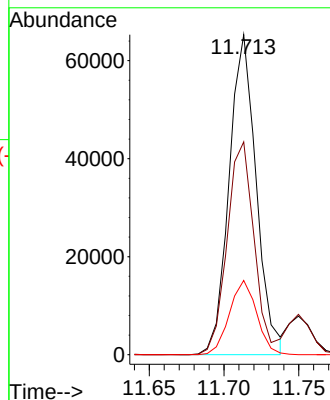
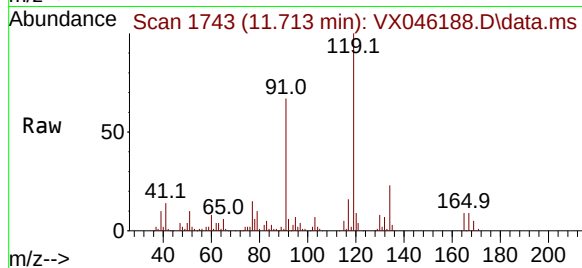
134 23.4 11.4 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.839 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046188.D

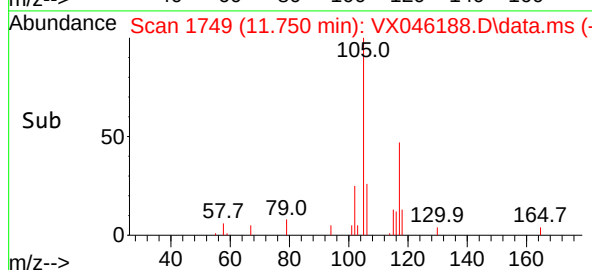
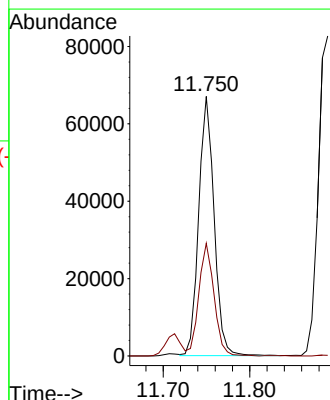
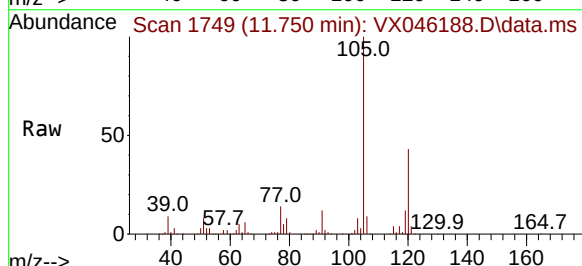
Acq: 14 May 2025 12:46

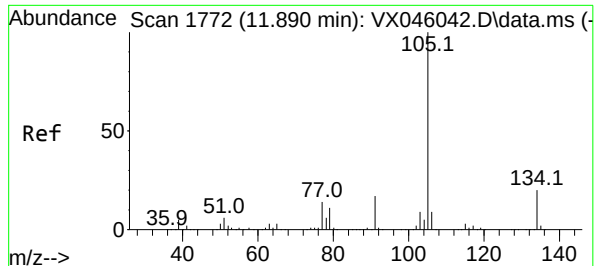
Tgt Ion:105 Resp: 82697

Ion Ratio Lower Upper

105 100

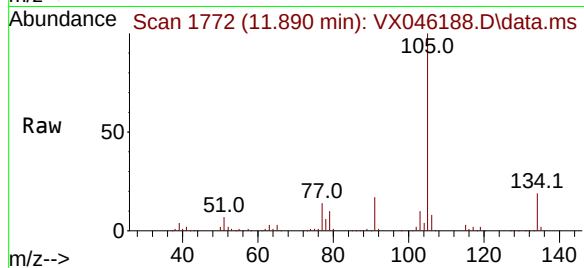
120 43.1 21.2 63.6





#85
 sec-Butylbenzene
 Concen: 19.748 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX046188.D
 Acq: 14 May 2025 12:46

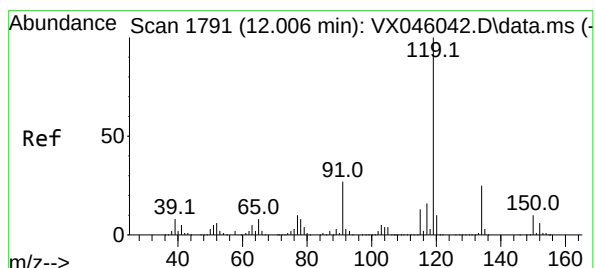
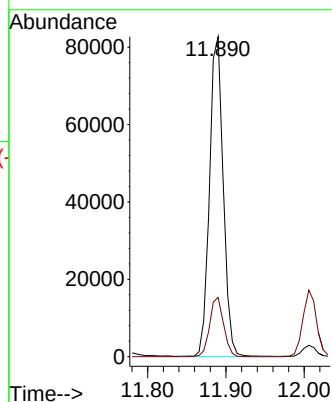
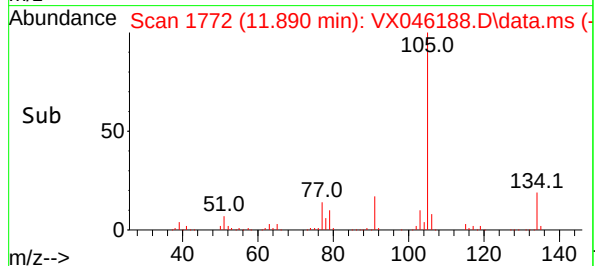
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0514WBS01



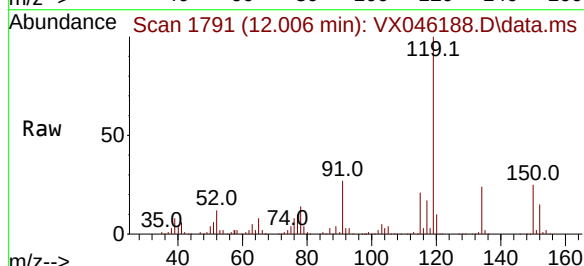
Tgt Ion:105 Resp: 100532
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.7 29.1

Manual Integrations
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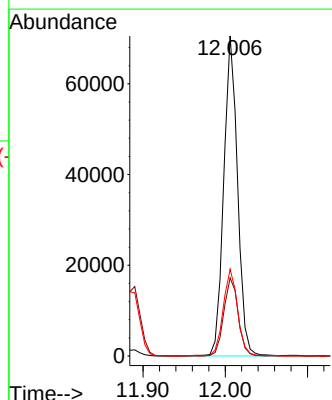
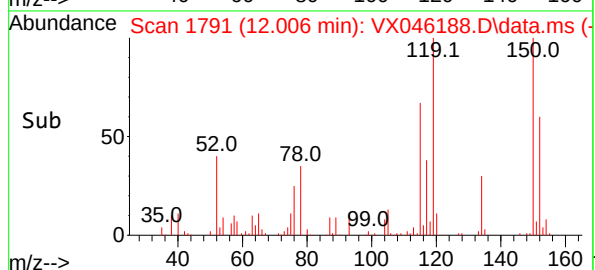
Reviewed By :John Carlone 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025

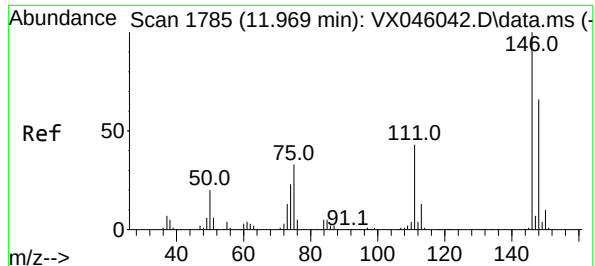


#86
 p-Isopropyltoluene
 Concen: 19.599 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX046188.D
 Acq: 14 May 2025 12:46



Tgt Ion:119 Resp: 82358
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.5 37.5
 91 28.2 13.8 41.4





#87

1,3-Dichlorobenzene

Concen: 19.282 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion:146 Resp: 4025

Ion Ratio Lower Upper

146 100

111 44.8 22.1 66.3

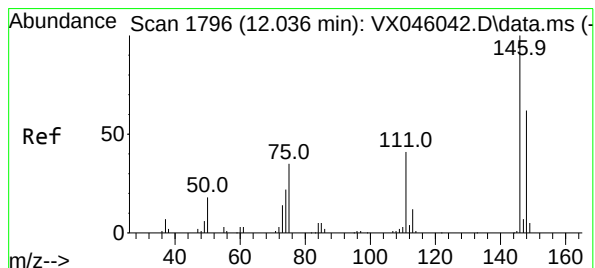
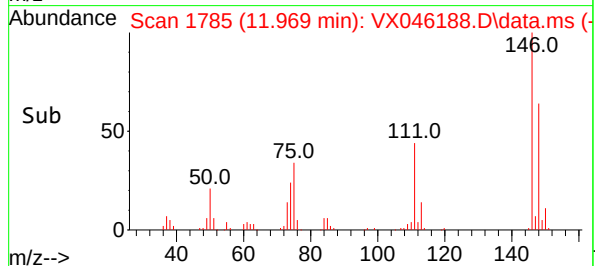
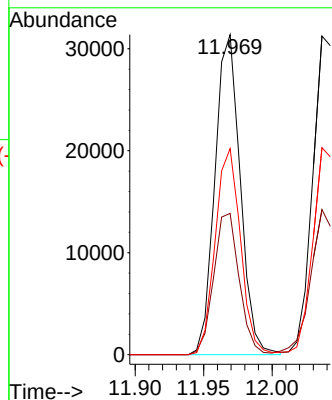
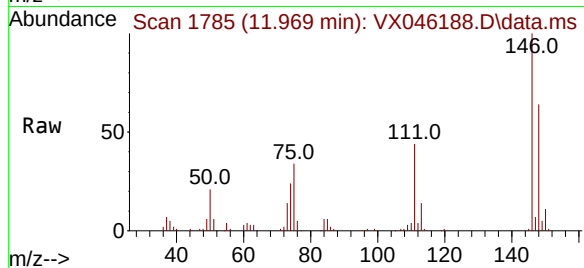
148 64.3 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#88

1,4-Dichlorobenzene

Concen: 19.211 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

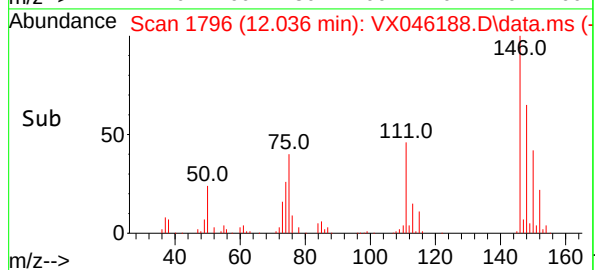
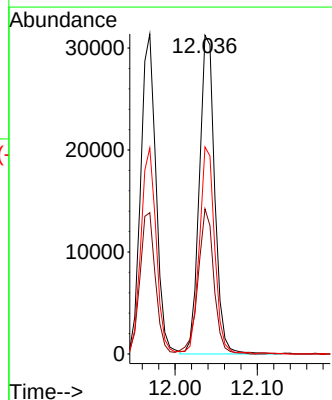
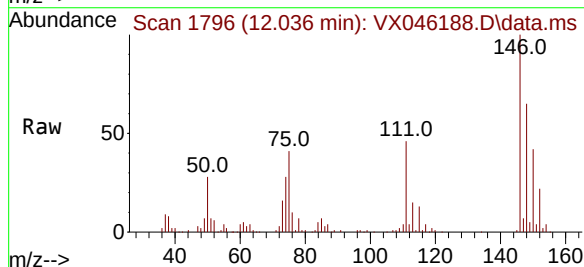
Tgt Ion:146 Resp: 40957

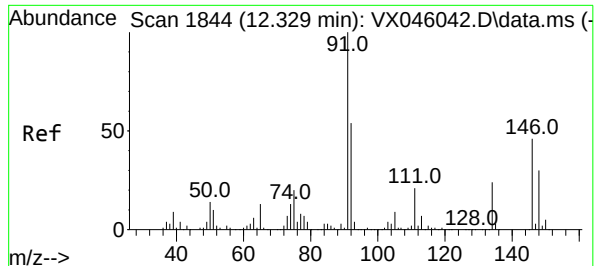
Ion Ratio Lower Upper

146 100

111 46.4 21.3 63.9

148 64.6 31.9 95.5





#89

n-Butylbenzene

Concen: 18.618 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX046188.D

Acq: 14 May 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

VX0514WBS01

Tgt Ion: 91 Resp: 6862

Ion Ratio Lower Upper

91 100

92 53.9 26.9 80.7

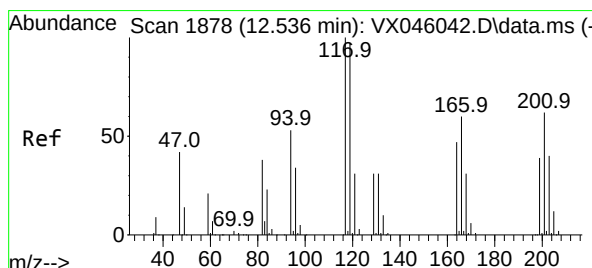
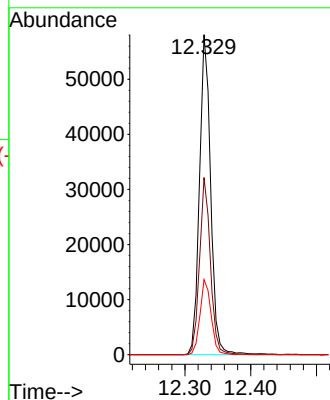
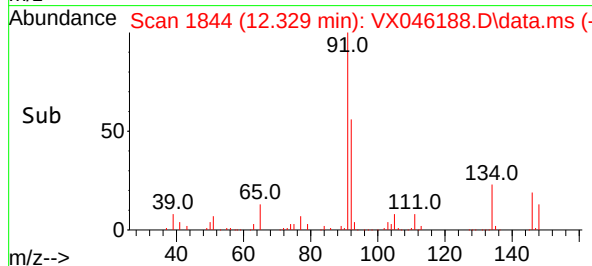
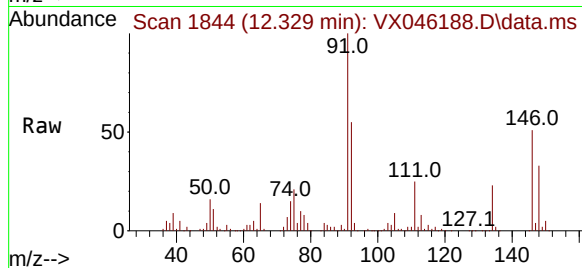
134 23.2 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/15/2025

Supervised By :Mahesh Dadoda 05/15/2025



#90

Hexachloroethane

Concen: 18.525 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX046188.D

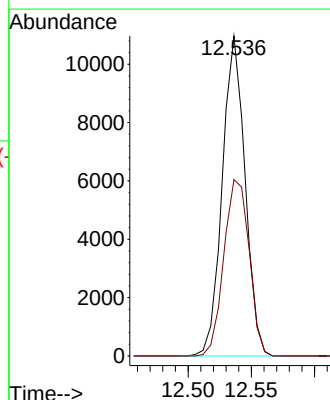
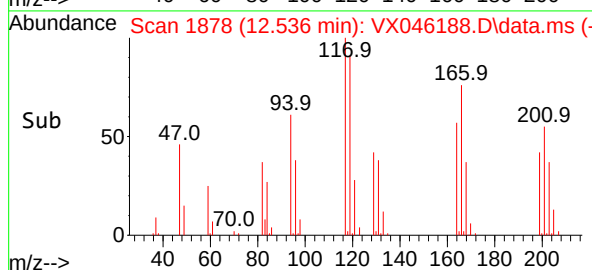
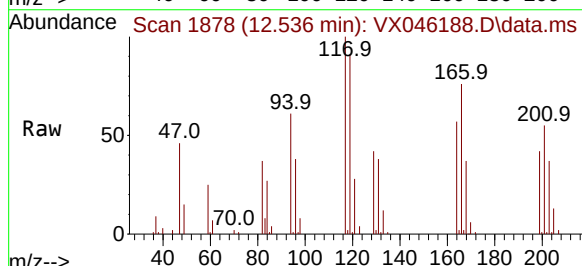
Acq: 14 May 2025 12:46

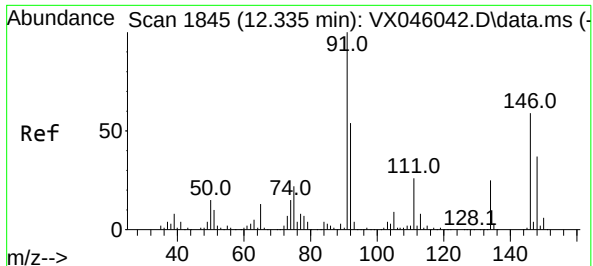
Tgt Ion:117 Resp: 13714

Ion Ratio Lower Upper

117 100

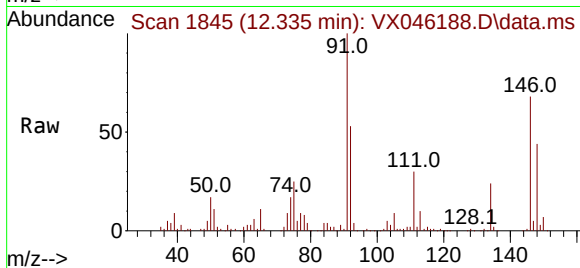
201 61.1 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 19.989 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

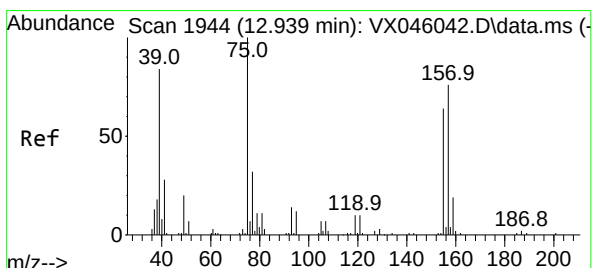
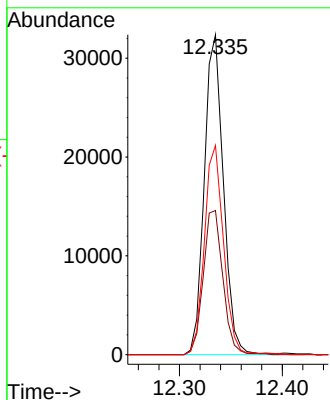
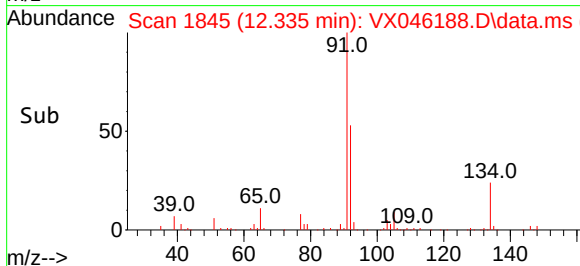
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



Tgt Ion:146 Resp: 41875
Ion Ratio Lower Upper
146 100
111 46.3 22.4 67.3
148 65.5 31.6 94.8

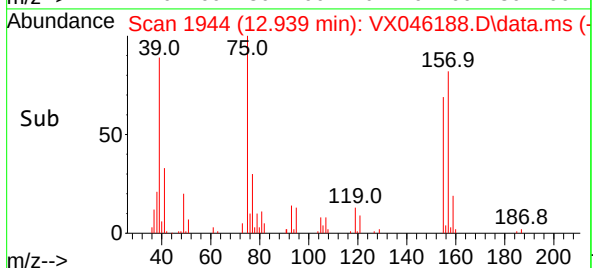
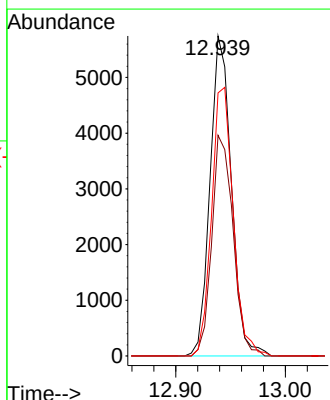
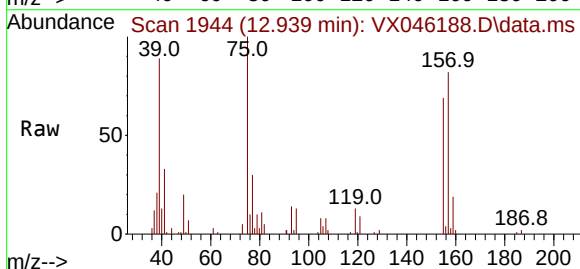
Manual Integrations
APPROVED

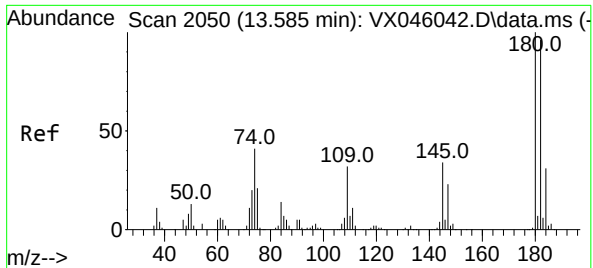
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.343 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

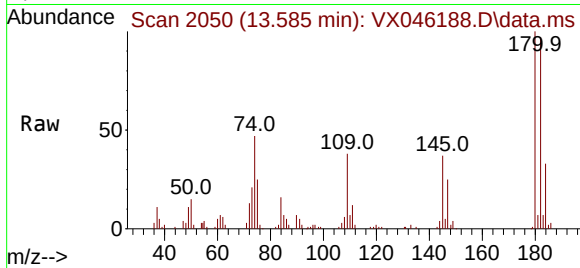
Tgt Ion: 75 Resp: 7781
Ion Ratio Lower Upper
75 100
155 68.9 34.9 104.8
157 84.8 43.8 131.4





#93
1,2,4-Trichlorobenzene
Concen: 17.971 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

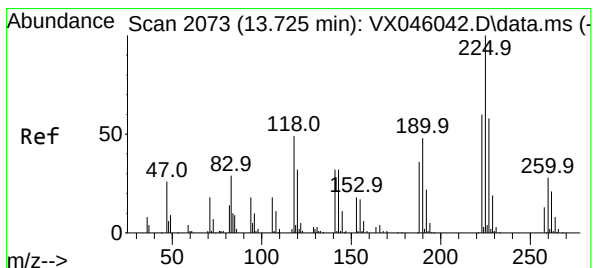
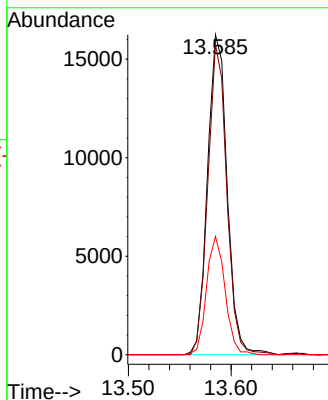
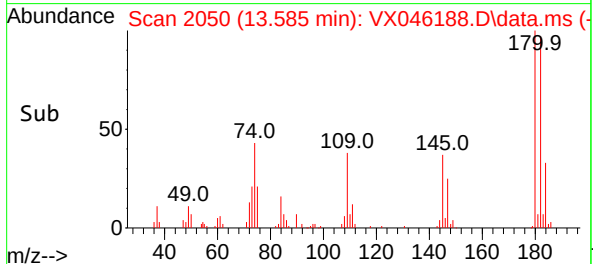
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



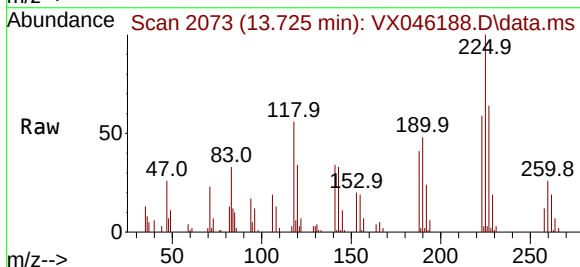
Tgt Ion:180 Resp: 2162
Ion Ratio Lower Upper
180 100
182 93.4 47.9 143.8
145 34.9 17.1 51.2

Manual Integrations
APPROVED

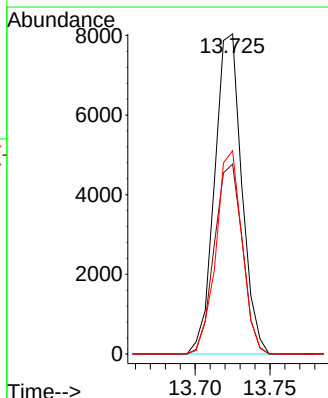
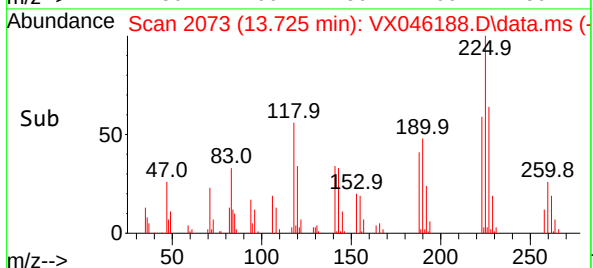
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025

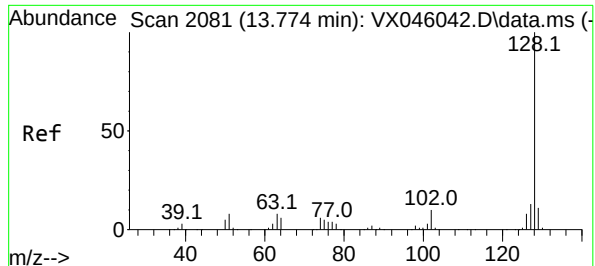


#94
Hexachlorobutadiene
Concen: 19.287 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46



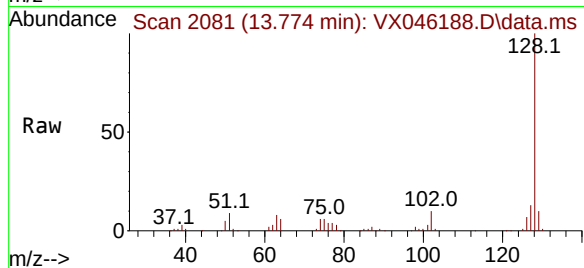
Tgt Ion:225 Resp: 10135
Ion Ratio Lower Upper
225 100
223 61.2 30.8 92.4
227 60.8 30.9 92.7





#95
Naphthalene
Concen: 18.453 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46

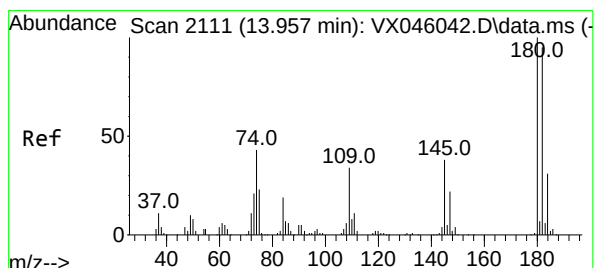
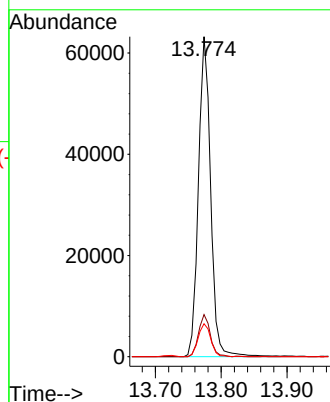
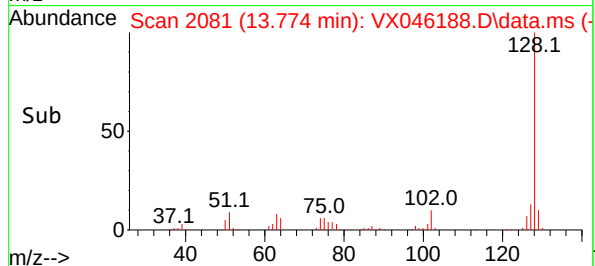
Instrument :
MSVOA_X
ClientSampleId :
VX0514WBS01



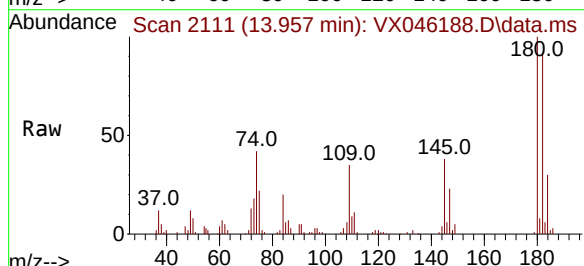
Tgt Ion:128 Resp: 8143
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.5 8.6 13.0

Manual Integrations
APPROVED

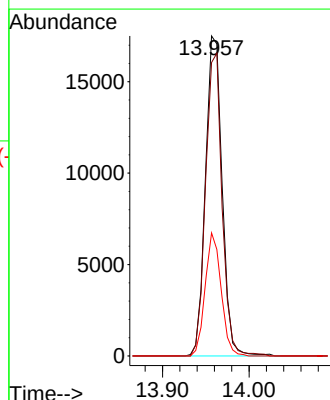
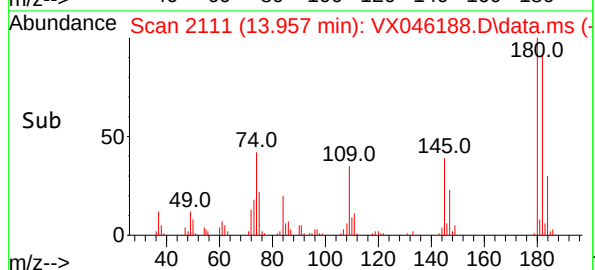
Reviewed By :John Carlone 05/15/2025
Supervised By :Mahesh Dadoda 05/15/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.902 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046188.D
Acq: 14 May 2025 12:46



Tgt Ion:180 Resp: 23467
Ion Ratio Lower Upper
180 100
182 93.5 47.8 143.3
145 36.7 18.1 54.3



Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	
Client Sample ID:	VX0513WBSD01			SDG No.:	Q2001
Lab Sample ID:	VX0513WBSD01			Matrix:	TCLP
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	TCLP VOA
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046159.D	1		05/13/25 12:28	VX051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.1		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	1.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.9		0.25	1.00	ug/L
67-66-3	Chloroform	20.4		0.25	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.0		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	85900	5.544			
540-36-3	1,4-Difluorobenzene	149000	6.757			
3114-55-4	Chlorobenzene-d5	133000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	62800	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046159.D
 Acq On : 13 May 2025 12:28
 Operator : JC/MD
 Sample : VX0513WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:37:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	85900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	148923	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83530	52.159	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.320%			
35) Dibromofluoromethane	5.379	113	55657	51.899	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.800%			
50) Toluene-d8	8.647	98	189645	51.093	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.180%			
62) 4-Bromofluorobenzene	11.079	95	71708	50.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	26333	20.029	ug/l	97
3) Chloromethane	1.307	50	24042	18.857	ug/l	100
4) Vinyl Chloride	1.374	62	21437	18.066	ug/l	95
5) Bromomethane	1.593	94	10258	18.638	ug/l	98
6) Chloroethane	1.673	64	12211	19.276	ug/l	98
7) Trichlorofluoromethane	1.874	101	34674	19.772	ug/l	97
8) Diethyl Ether	2.130	74	11281	18.896	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	21170	19.506	ug/l	97
10) Methyl Iodide	2.447	142	23145	18.023	ug/l	99
11) Tert butyl alcohol	2.971	59	23851	106.101	ug/l	97
12) 1,1-Dichloroethene	2.313	96	19116	18.768	ug/l	94
13) Acrolein	2.233	56	32527	127.055	ug/l	99
14) Allyl chloride	2.660	41	38833	19.949	ug/l	95
15) Acrylonitrile	3.063	53	67894	105.624	ug/l	98
16) Acetone	2.380	43	64723	100.798	ug/l	99
17) Carbon Disulfide	2.502	76	41110	17.024	ug/l	99
18) Methyl Acetate	2.703	43	34029	22.838	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	72402	20.275	ug/l	98
20) Methylene Chloride	2.782	84	23309	18.943	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	19707	19.239	ug/l	99
22) Diisopropyl ether	3.757	45	77790	20.687	ug/l	96
23) Vinyl Acetate	3.721	43	337558	102.066	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41906	20.009	ug/l	97
25) 2-Butanone	4.556	43	98733	105.914	ug/l	99
26) 2,2-Dichloropropane	4.471	77	29241	17.838	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24645	19.986	ug/l	95
28) Bromochloromethane	4.891	49	22737	22.554	ug/l	99
29) Tetrahydrofuran	5.001	42	61576	105.413	ug/l	99
30) Chloroform	5.087	83	44545	20.406	ug/l	100
31) Cyclohexane	5.465	56	35538	18.621	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	36768	19.430	ug/l	99
36) 1,1-Dichloropropene	5.690	75	27449	19.050	ug/l	100
37) Ethyl Acetate	4.715	43	34602	19.437	ug/l	99
38) Carbon Tetrachloride	5.672	117	32251	19.921	ug/l	99
39) Methylcyclohexane	7.373	83	34728	18.721	ug/l	100
40) Benzene	6.031	78	83414	19.764	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046159.D
 Acq On : 13 May 2025 12:28
 Operator : JC/MD
 Sample : VX0513WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:37:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20127	21.613	ug/l	98
42) 1,2-Dichloroethane	6.086	62	37930	20.823	ug/l	99
43) Isopropyl Acetate	6.336	43	57246	21.079	ug/l	99
44) Trichloroethene	7.123	130	20302	19.986	ug/l	96
45) 1,2-Dichloropropane	7.428	63	21721	20.698	ug/l	96
46) Dibromomethane	7.574	93	16962	20.493	ug/l	99
47) Bromodichloromethane	7.818	83	34070	20.899	ug/l	98
48) Methyl methacrylate	7.690	41	29406	21.201	ug/l	100
49) 1,4-Dioxane	7.659	88	12374	469.866	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	197185	109.382	ug/l	97
52) Toluene	8.714	92	51663	19.963	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	28906	19.949	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	32044	20.008	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	22162	21.718	ug/l	97
56) Ethyl methacrylate	9.116	69	33264	20.453	ug/l	98
57) 1,3-Dichloropropane	9.305	76	37593	20.513	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	97562	117.667	ug/l	99
59) 2-Hexanone	9.427	43	145866	109.368	ug/l	100
60) Dibromochloromethane	9.519	129	23819	21.254	ug/l	98
61) 1,2-Dibromoethane	9.604	107	22449	21.167	ug/l	98
64) Tetrachloroethene	9.269	164	18495	19.655	ug/l	96
65) Chlorobenzene	10.073	112	55958	19.223	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19893	20.013	ug/l	99
67) Ethyl Benzene	10.189	91	100095	19.507	ug/l	99
68) m/p-Xylenes	10.299	106	73737	39.291	ug/l	98
69) o-Xylene	10.640	106	36239	19.807	ug/l	94
70) Styrene	10.653	104	61258	20.439	ug/l	100
71) Bromoform	10.799	173	14006	18.768	ug/l #	93
73) Isopropylbenzene	10.957	105	97798	19.994	ug/l	98
74) N-amyl acetate	10.842	43	47972	19.848	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	34938	20.383	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	30000m	19.838	ug/l	
77) Bromobenzene	11.195	156	22489	19.804	ug/l	97
78) n-propylbenzene	11.299	91	111007	19.518	ug/l	99
79) 2-Chlorotoluene	11.360	91	71888	19.597	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	82240	20.126	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7887	16.979	ug/l	90
82) 4-Chlorotoluene	11.451	91	80816	19.866	ug/l	100
83) tert-Butylbenzene	11.713	119	81357	19.766	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	82574	19.954	ug/l	99
85) sec-Butylbenzene	11.890	105	100674	19.920	ug/l	99
86) p-Isopropyltoluene	12.006	119	81909	19.635	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41082	19.823	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	41194	19.463	ug/l	97
89) n-Butylbenzene	12.329	91	69953	19.117	ug/l	99
90) Hexachloroethane	12.536	117	13872	18.875	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	41720	20.061	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7859	20.697	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	22710	19.012	ug/l	99
94) Hexachlorobutadiene	13.719	225	10037	19.240	ug/l	97
95) Naphthalene	13.774	128	83339	19.023	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23424	19.005	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
Data File : VX046159.D
Acq On : 13 May 2025 12:28
Operator : JC/MD
Sample : VX0513WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

Quant Time: May 14 01:37:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

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

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

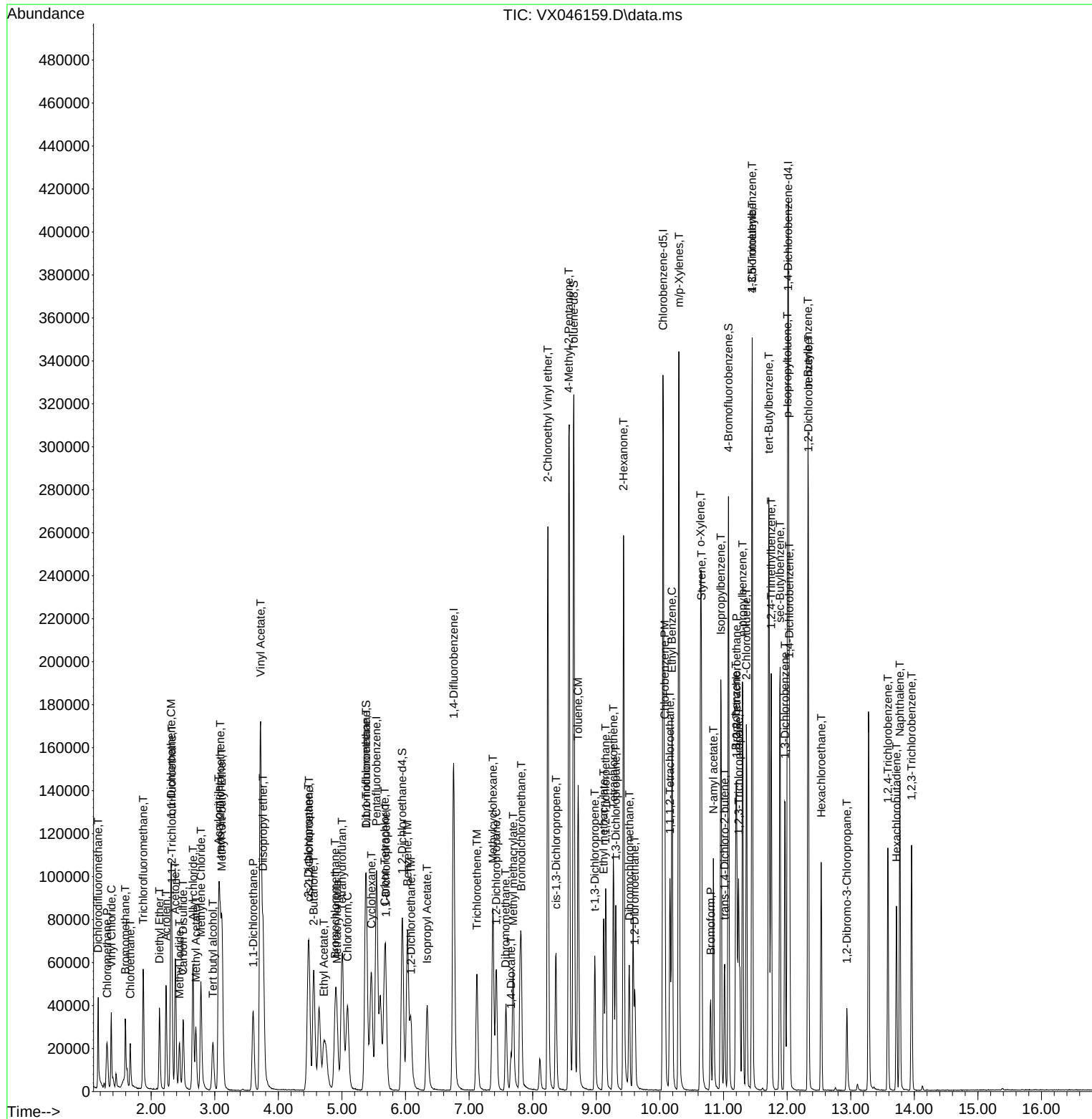
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046159.D
 Acq On : 13 May 2025 12:28
 Operator : JC/MD
 Sample : VX0513WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

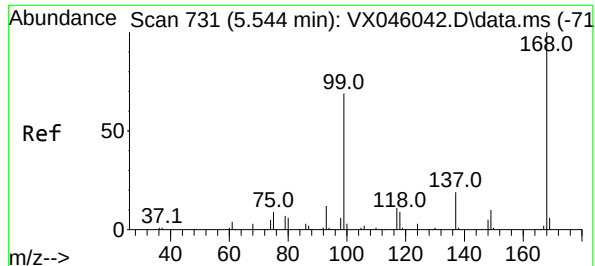
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 05/14/2025
 Supervised By : Mahesh Dadoda 05/14/2025

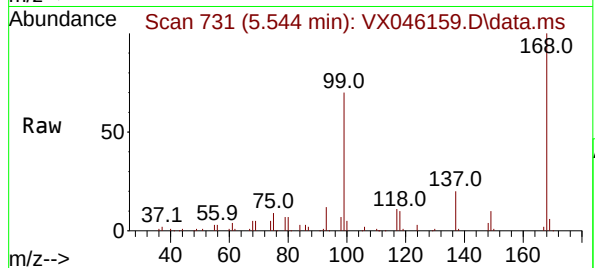
Quant Time: May 14 01:37:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

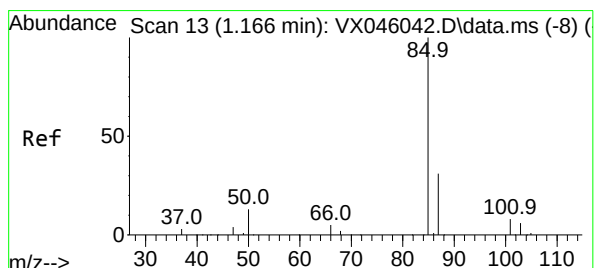
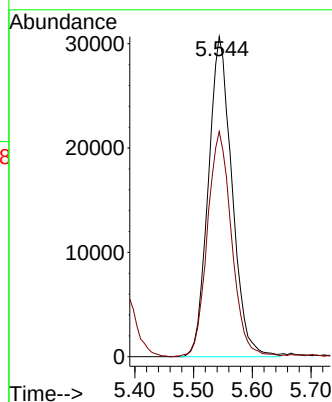
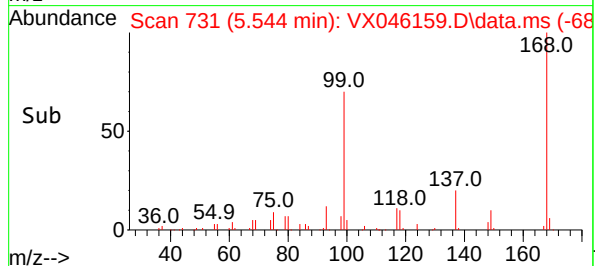
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01



Tgt Ion:168 Resp: 85900
Ion Ratio Lower Upper
168 100
99 70.1 54.9 82.3

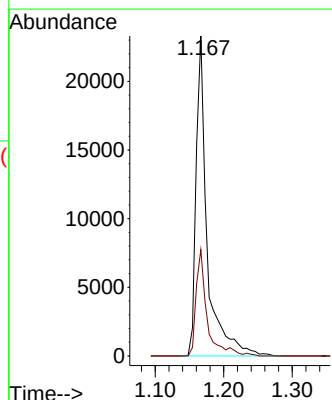
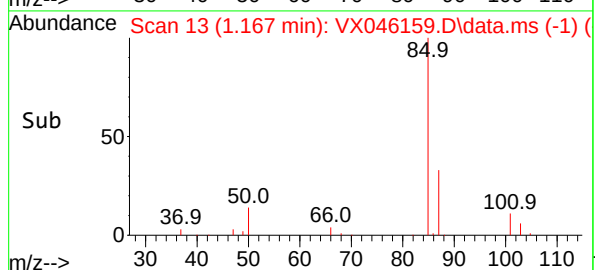
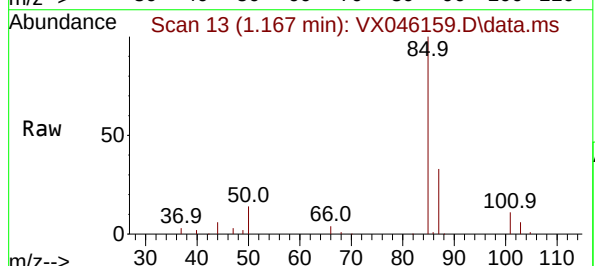
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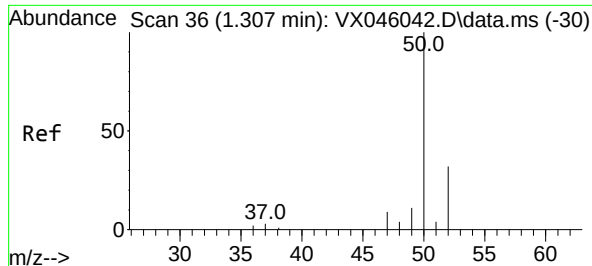
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#2
Dichlorodifluoromethane
Concen: 20.029 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Tgt Ion: 85 Resp: 26333
Ion Ratio Lower Upper
85 100
87 33.3 15.7 47.1





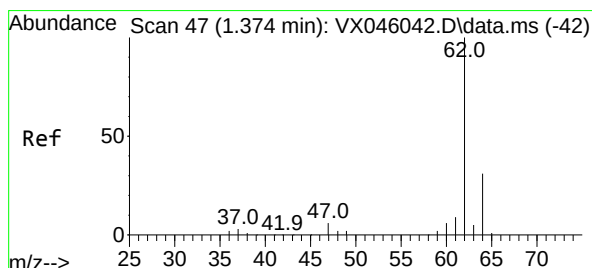
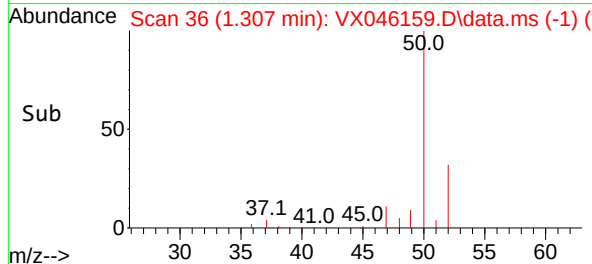
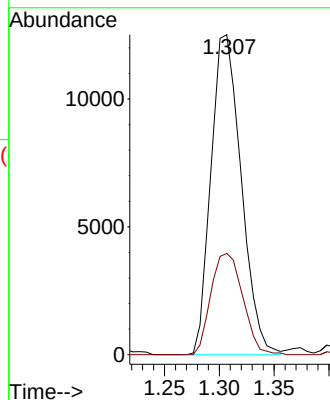
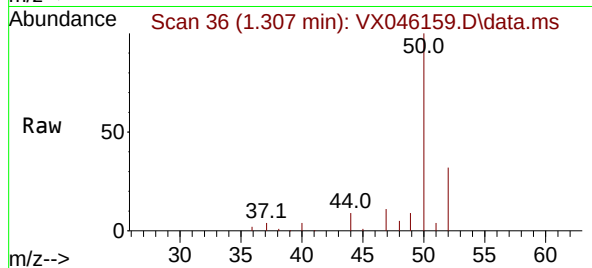
#3
Chloromethane
Concen: 18.857 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tgt Ion: 50 Resp: 2404
Ion Ratio Lower Upper
50 100
52 31.6 25.4 38.2

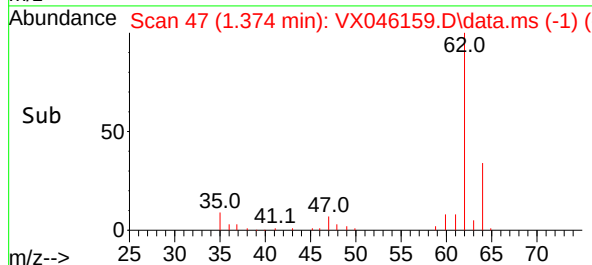
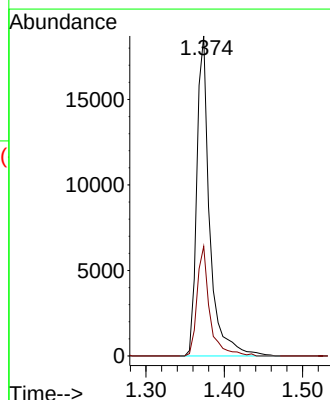
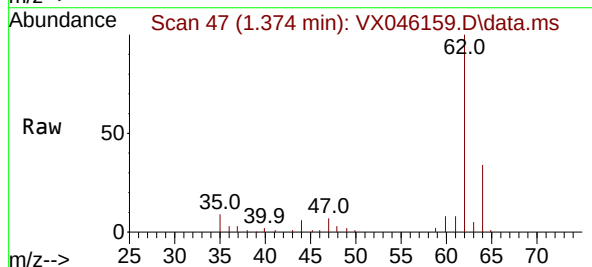
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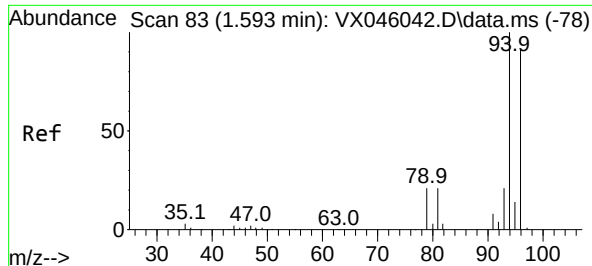
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#4
Vinyl Chloride
Concen: 18.066 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Tgt Ion: 62 Resp: 21437
Ion Ratio Lower Upper
62 100
64 34.3 25.2 37.8





#5

Bromomethane

Concen: 18.638 ug/l

RT: 1.593 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 94 Resp: 10258

Ion Ratio Lower Upper

94 100

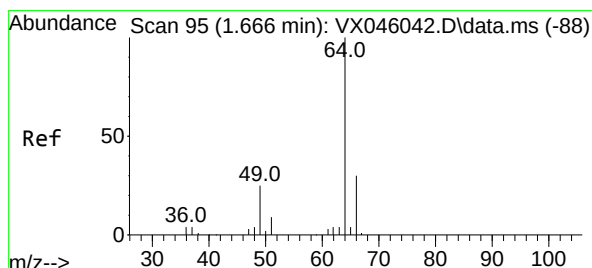
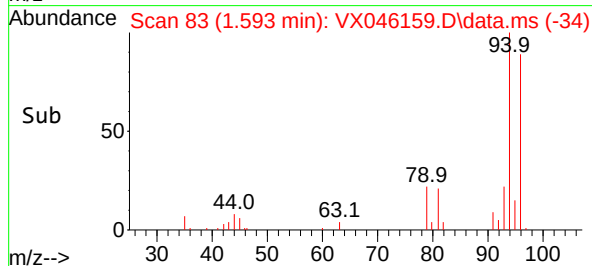
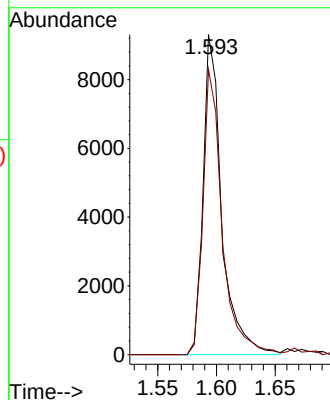
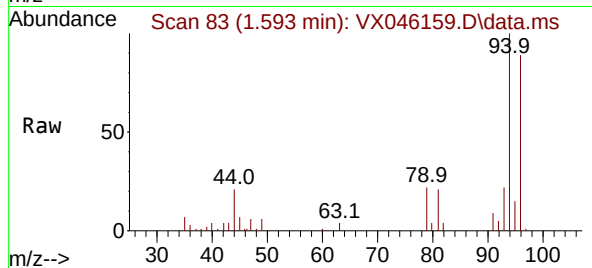
96 89.1 72.8 109.2

Manual Integrations

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Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#6

Chloroethane

Concen: 19.276 ug/l

RT: 1.673 min Scan# 96

Delta R.T. 0.006 min

Lab File: VX046159.D

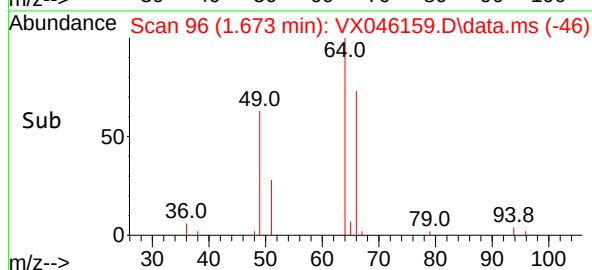
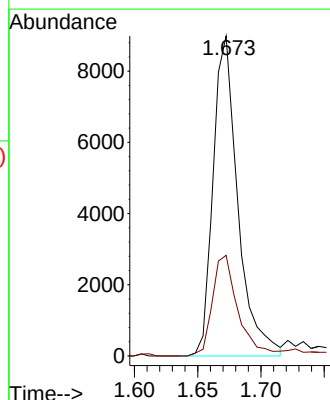
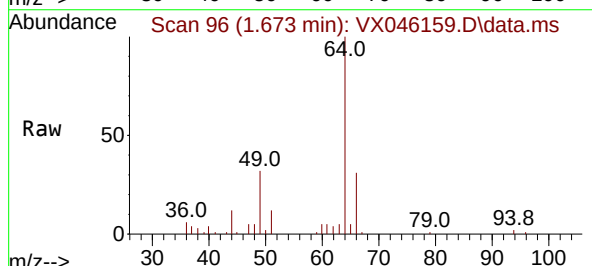
Acq: 13 May 2025 12:28

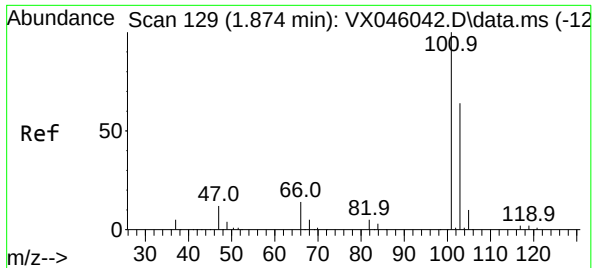
Tgt Ion: 64 Resp: 12211

Ion Ratio Lower Upper

64 100

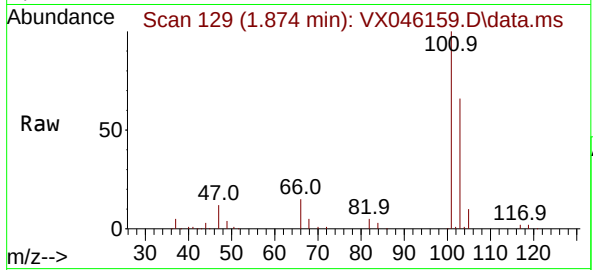
66 31.5 24.3 36.5





#7
Trichlorofluoromethane
Concen: 19.772 ug/l
RT: 1.874 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

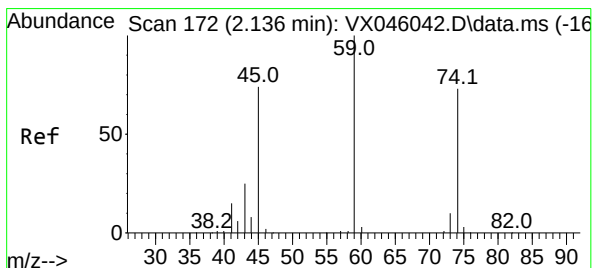
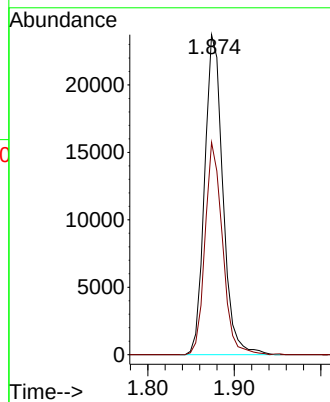
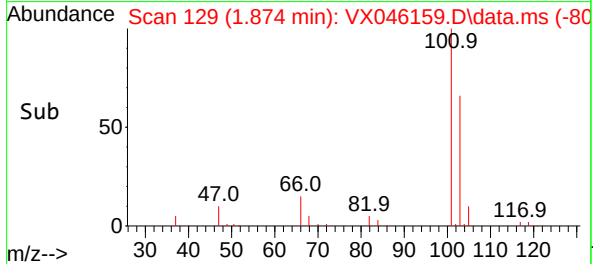
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01



Tgt Ion:101 Resp: 34674
Ion Ratio Lower Upper
101 100
103 66.4 51.0 76.4

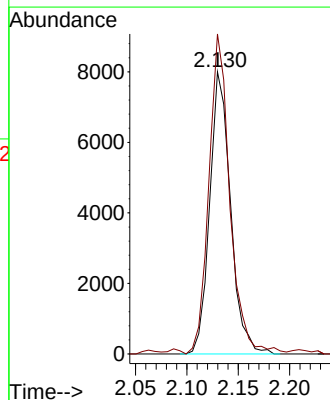
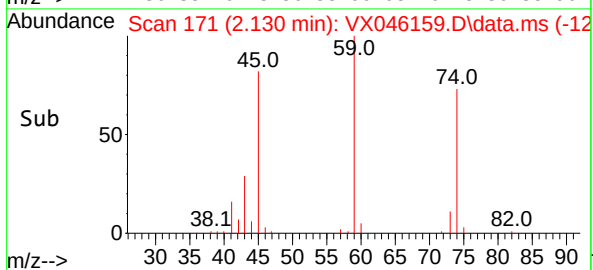
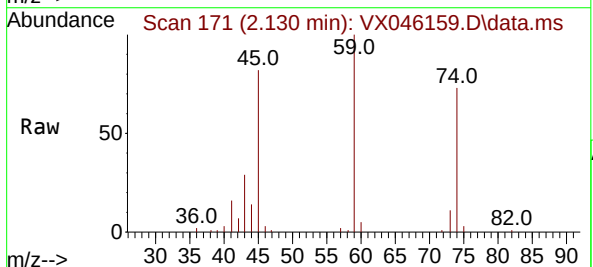
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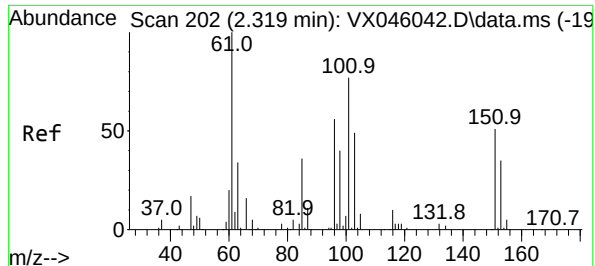
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#8
Diethyl Ether
Concen: 18.896 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Tgt Ion: 74 Resp: 11281
Ion Ratio Lower Upper
74 100
45 114.3 54.9 164.8





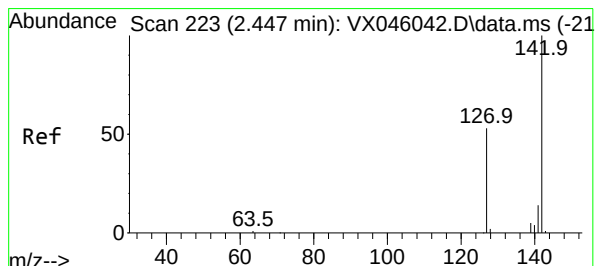
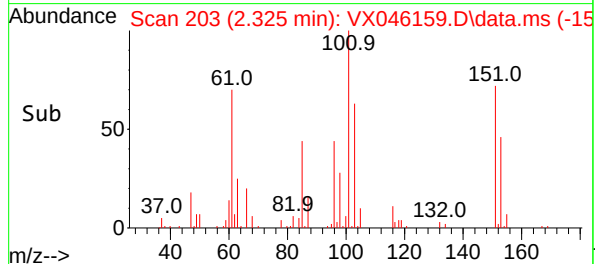
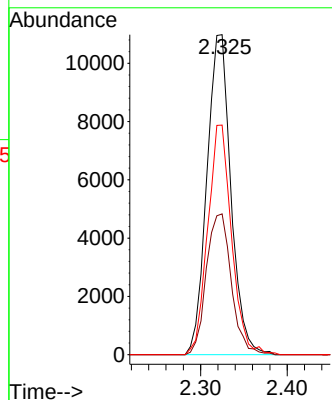
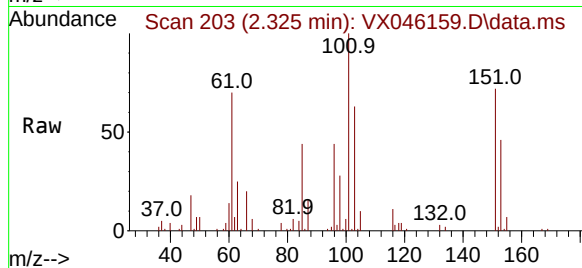
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.506 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tgt Ion:101 Resp: 21170
Ion Ratio Lower Upper
101 100
85 45.7 38.6 58.0
151 71.2 55.2 82.8

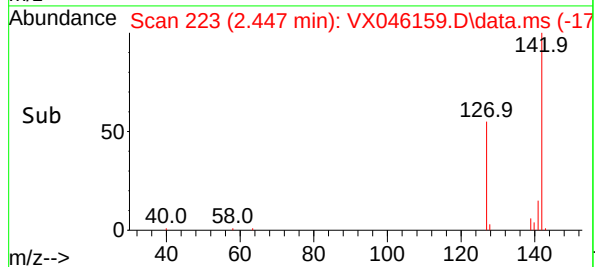
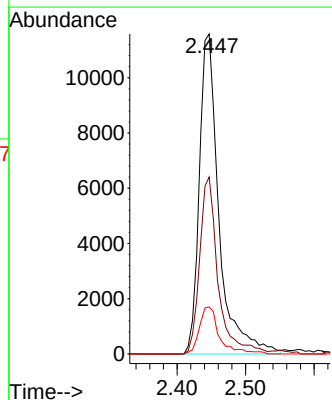
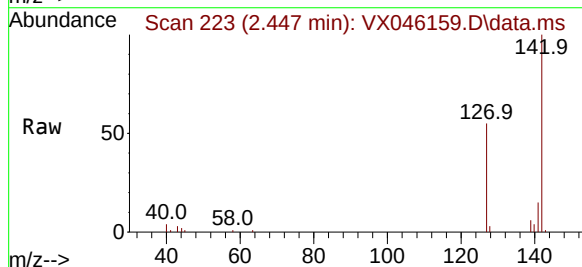
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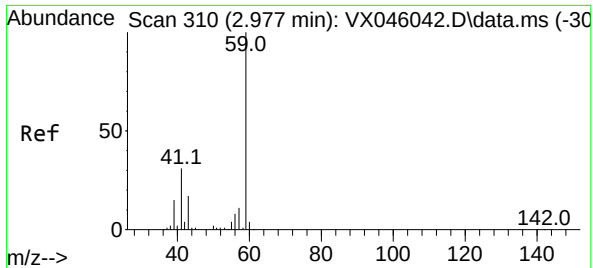
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#10
Methyl Iodide
Concen: 18.023 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Tgt Ion:142 Resp: 23145
Ion Ratio Lower Upper
142 100
127 51.7 41.7 62.5
141 15.0 11.5 17.3





#11

Tert butyl alcohol

Concen: 106.101 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 59 Resp: 2385

Ion Ratio Lower Upper

59 100

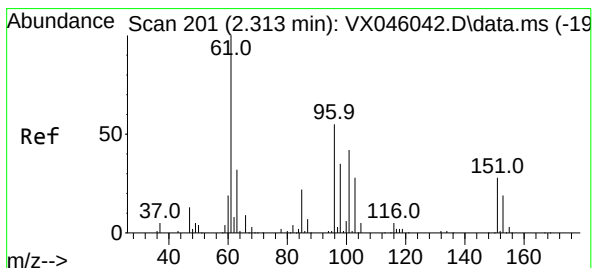
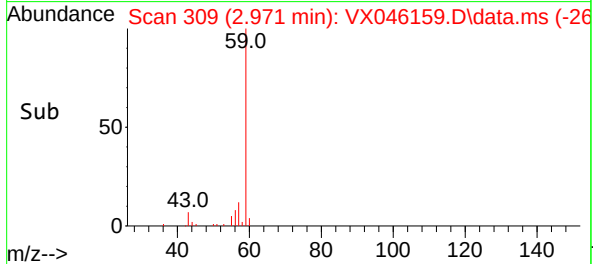
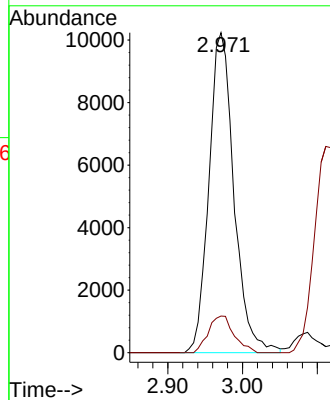
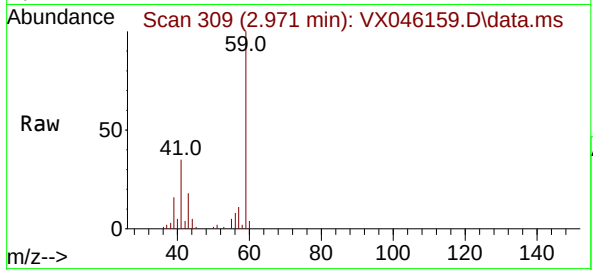
57 11.7 8.6 12.8

Manual Integrations

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Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#12

1,1-Dichloroethene

Concen: 18.768 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

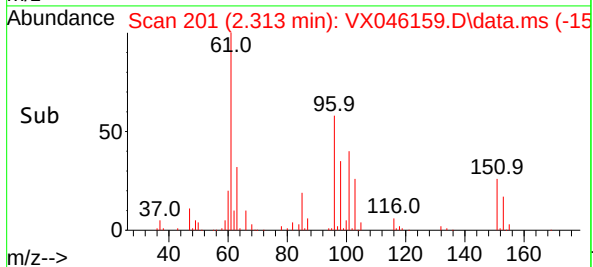
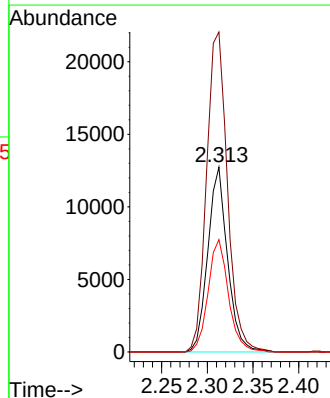
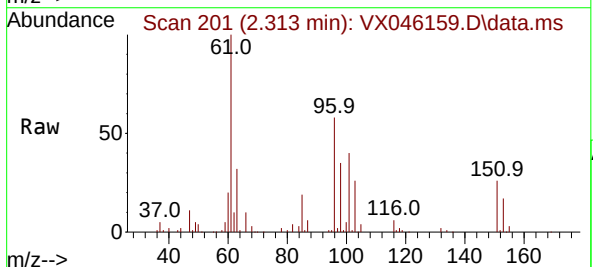
Tgt Ion: 96 Resp: 19116

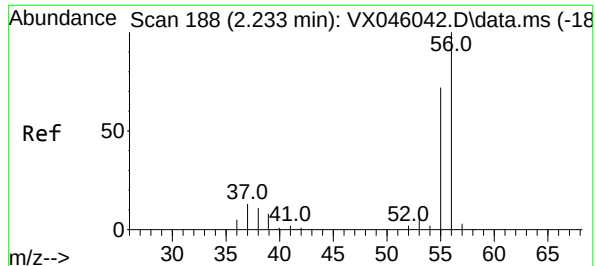
Ion Ratio Lower Upper

96 100

61 173.2 146.2 219.2

98 60.8 51.0 76.6





#13

Acrolein

Concen: 127.055 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 56 Resp: 3252

Ion Ratio Lower Upper

56 100

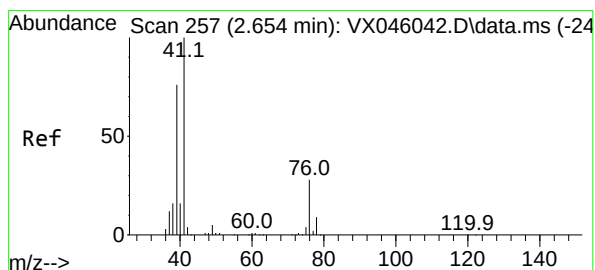
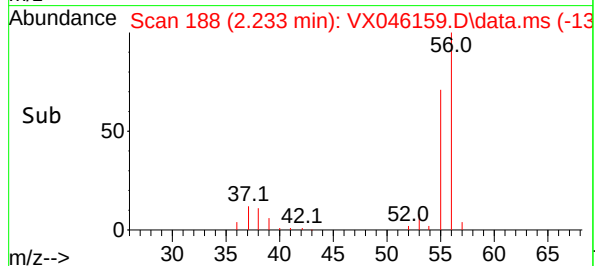
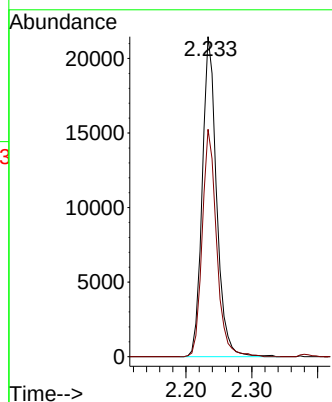
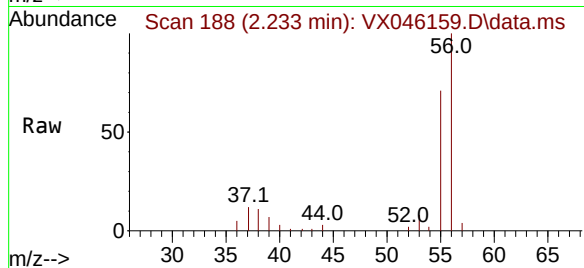
55 71.1 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#14

Allyl chloride

Concen: 19.949 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

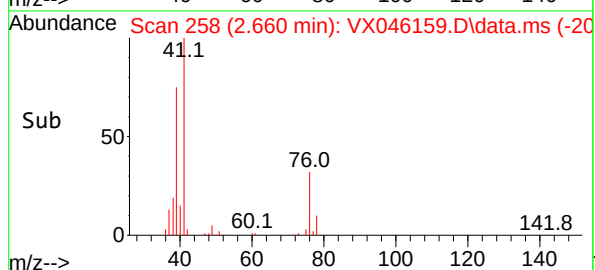
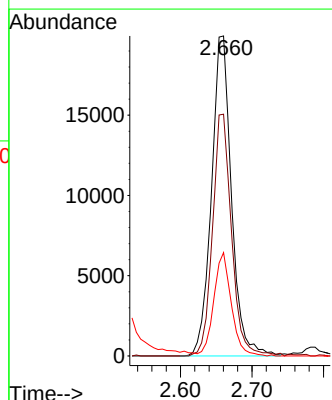
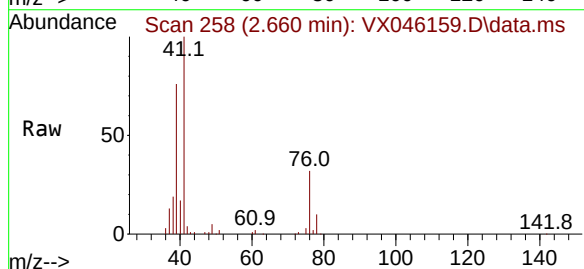
Tgt Ion: 41 Resp: 38833

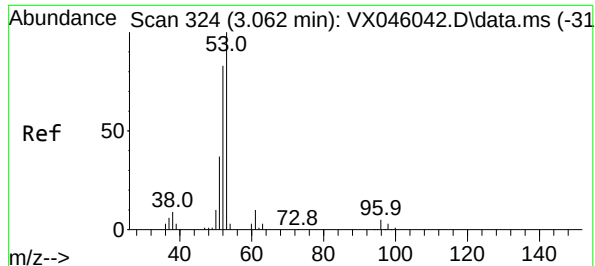
Ion Ratio Lower Upper

41 100

39 71.7 60.6 90.8

76 28.1 24.9 37.3





#15

Acrylonitrile

Concen: 105.624 ug/l

RT: 3.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

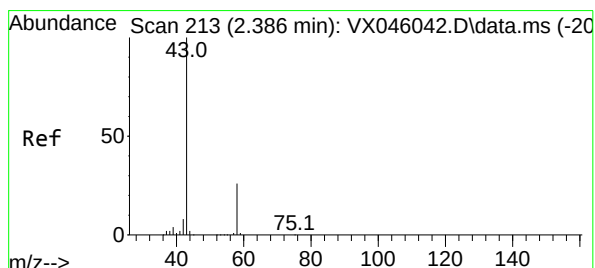
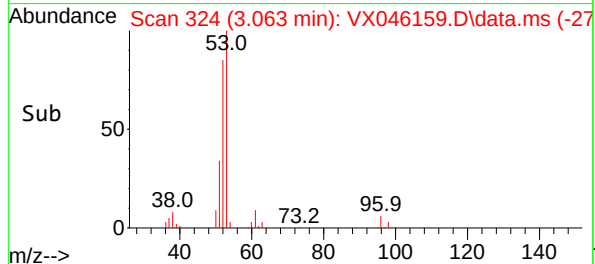
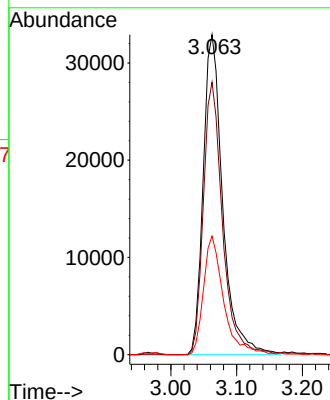
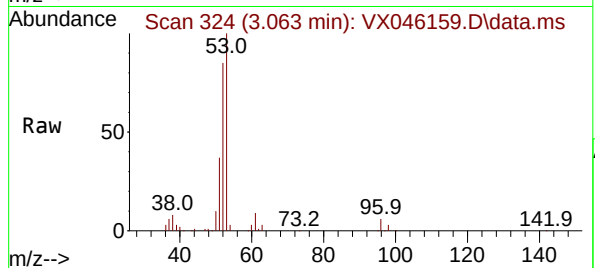
VX0513WBSD01

Tgt Ion:	53	Resp:	67894
Ion	Ratio	Lower	Upper
53	100		
52	83.6	65.3	97.9
51	38.4	29.8	44.8

Manual Integrations

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Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#16

Acetone

Concen: 100.798 ug/l

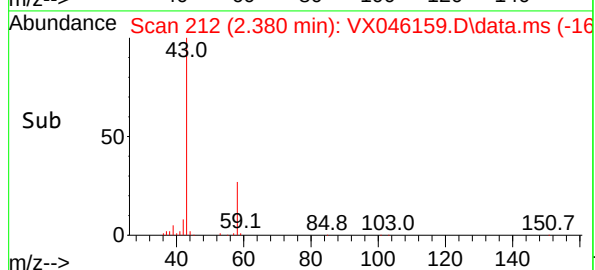
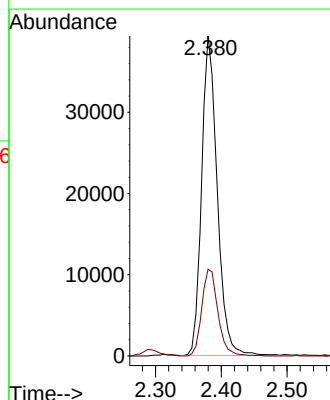
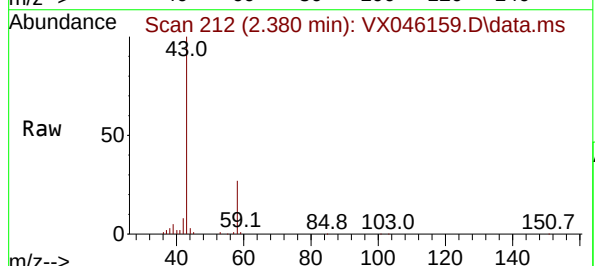
RT: 2.380 min Scan# 212

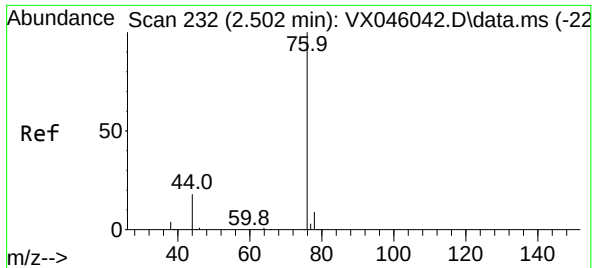
Delta R.T. -0.006 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Tgt Ion:	43	Resp:	64723
Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.2	31.8





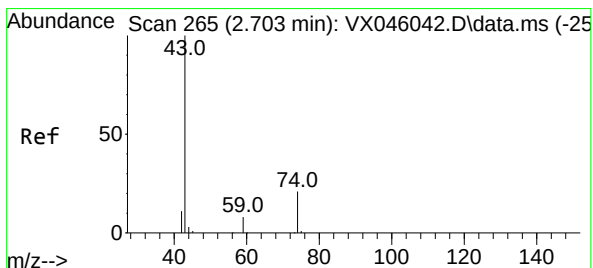
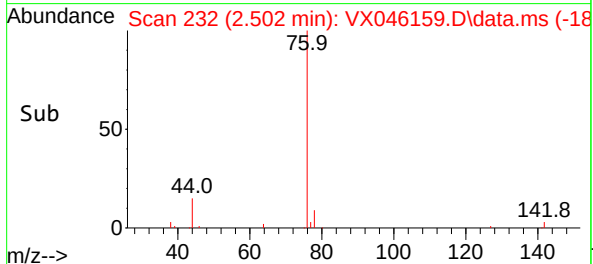
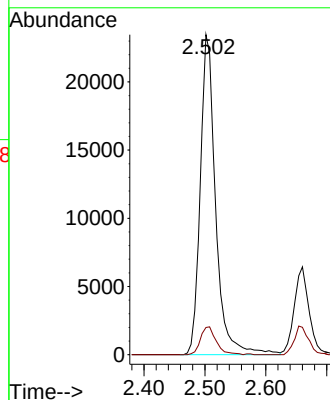
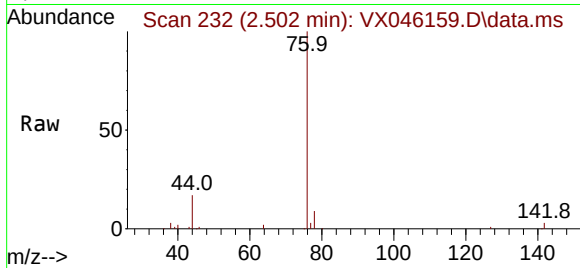
#17
Carbon Disulfide
Concen: 17.024 ug/l
RT: 2.502 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tgt Ion: 76 Resp: 41110
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4

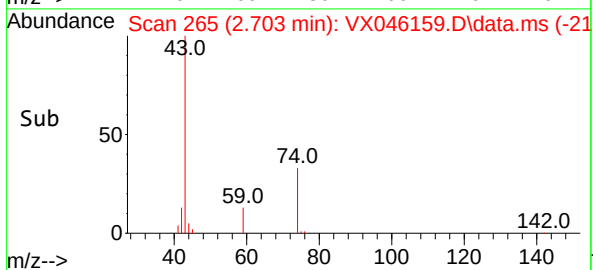
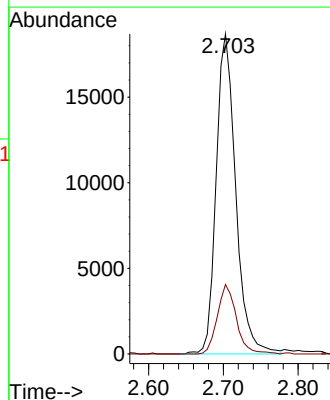
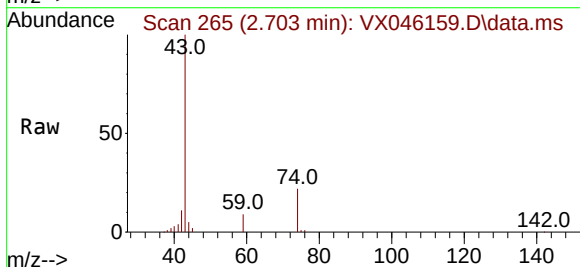
Manual Integrations
APPROVED

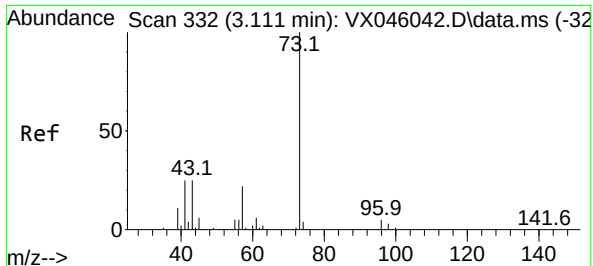
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#18
Methyl Acetate
Concen: 22.838 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Tgt Ion: 43 Resp: 34029
Ion Ratio Lower Upper
43 100
74 21.2 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 20.275 ug/l

RT: 3.111 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 73 Resp: 7240

Ion Ratio Lower Upper

73 100

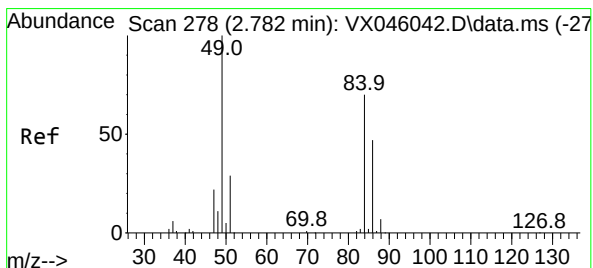
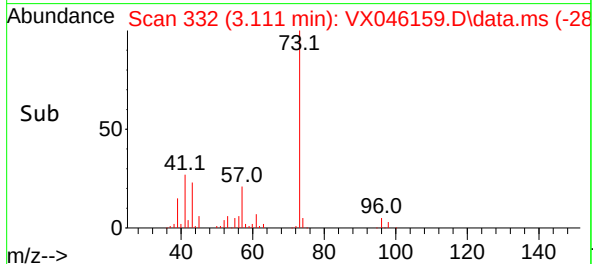
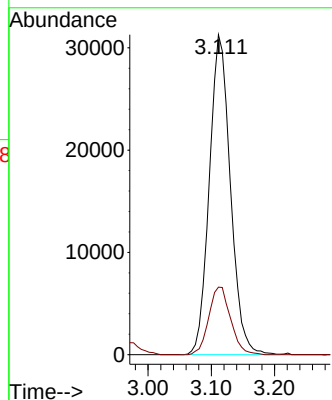
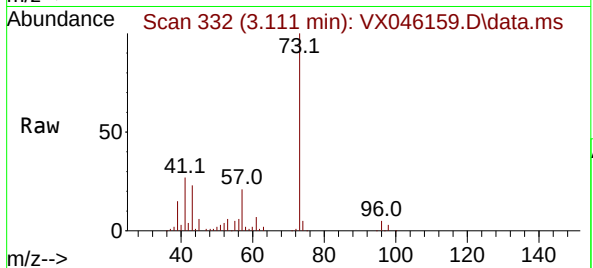
57 21.1 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#20

Methylene Chloride

Concen: 18.943 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Tgt Ion: 84 Resp: 23309

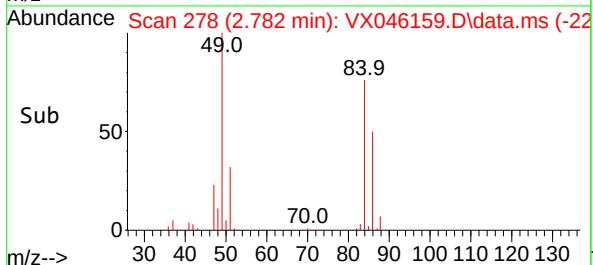
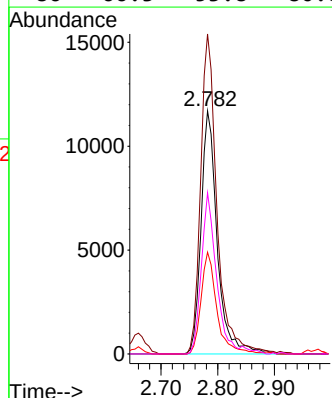
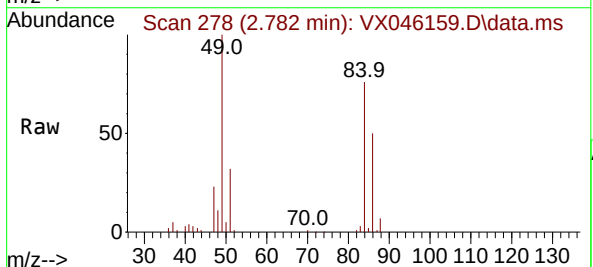
Ion Ratio Lower Upper

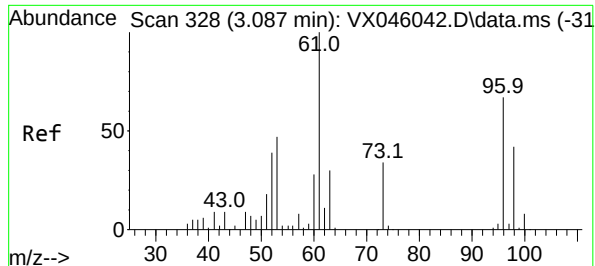
84 100

49 131.7 113.9 170.9

51 41.9 33.5 50.3

86 66.3 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 19.239 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX046159.D

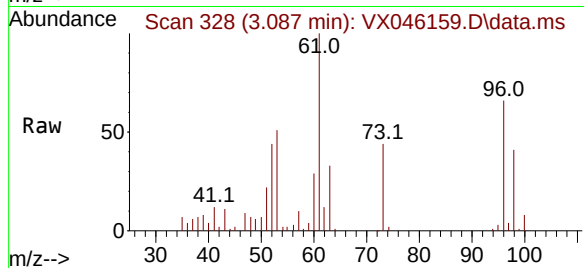
Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01



Tgt Ion: 96 Resp: 1970

Ion Ratio Lower Upper

96 100

61 151.5 119.5 179.3

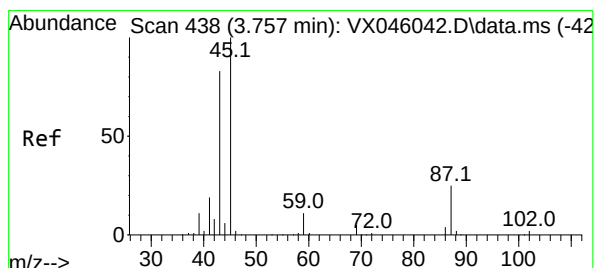
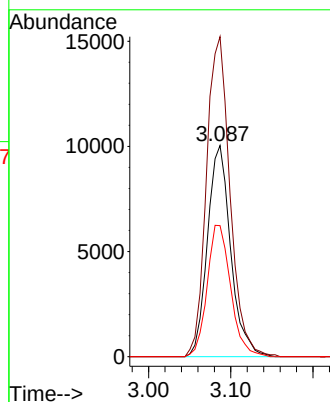
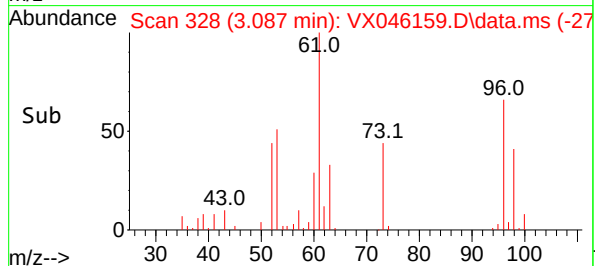
98 62.0 50.0 75.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#22

Diisopropyl ether

Concen: 20.687 ug/l

RT: 3.757 min Scan# 438

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Tgt Ion: 45 Resp: 77790

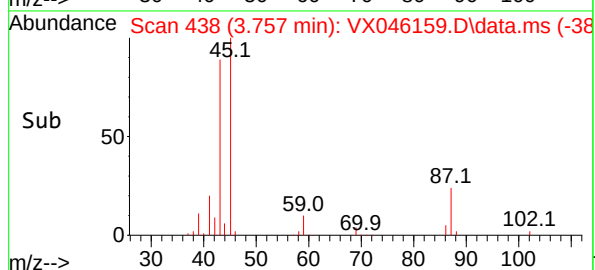
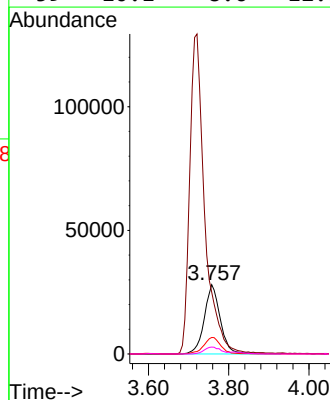
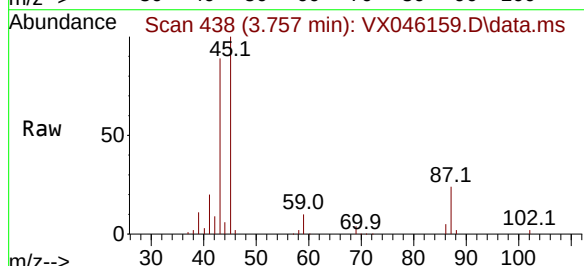
Ion Ratio Lower Upper

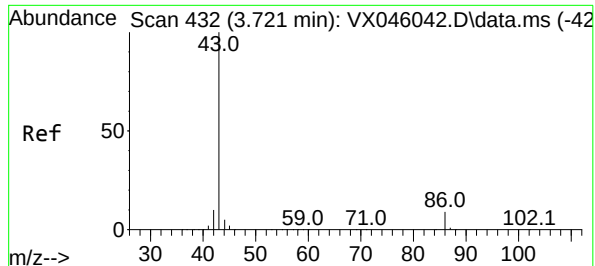
45 100

43 87.8 66.6 100.0

87 23.8 19.8 29.6

59 10.1 8.6 12.8





#23

Vinyl Acetate

Concen: 102.066 ug/l

RT: 3.721 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 43 Resp: 33755

Ion Ratio Lower Upper

43 100

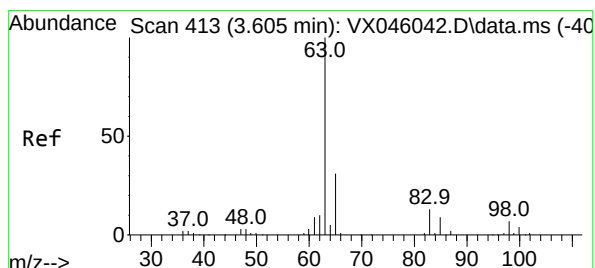
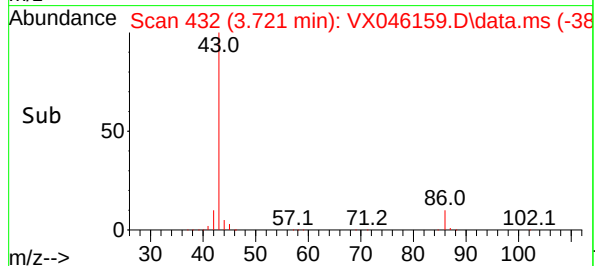
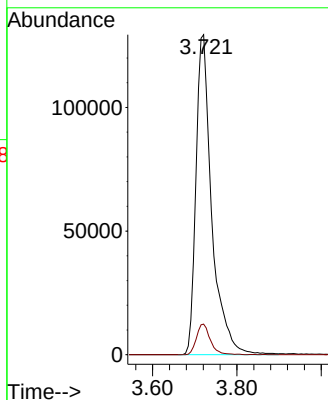
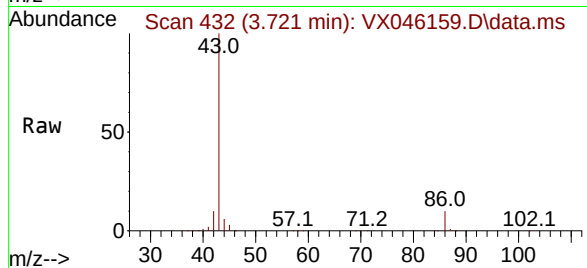
86 9.6 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#24

1,1-Dichloroethane

Concen: 20.009 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

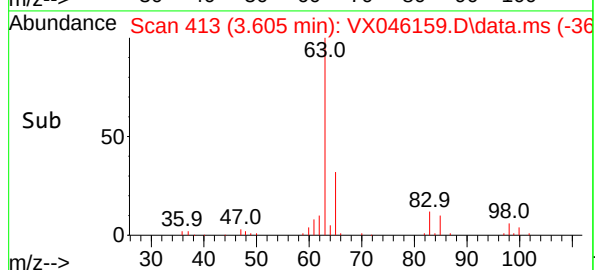
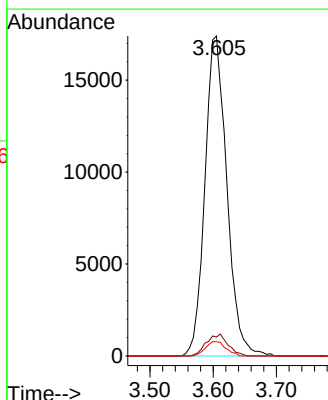
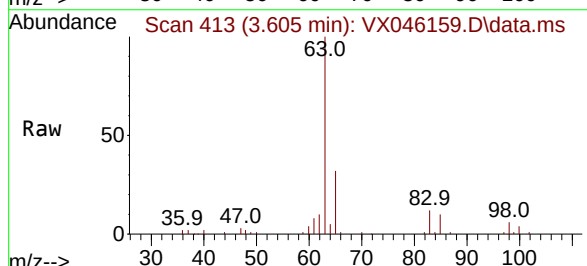
Tgt Ion: 63 Resp: 41906

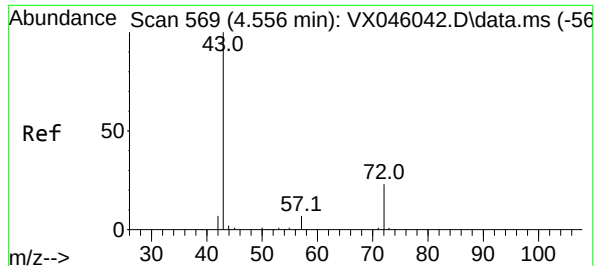
Ion Ratio Lower Upper

63 100

98 5.9 3.6 10.8

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 105.914 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 43 Resp: 9873

Ion Ratio Lower Upper

43 100

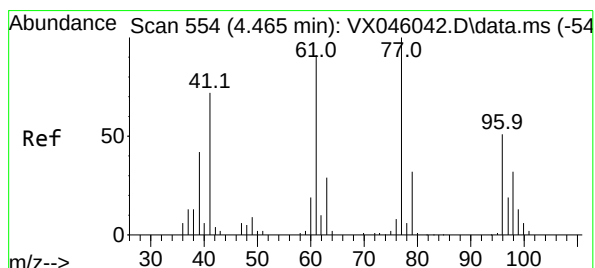
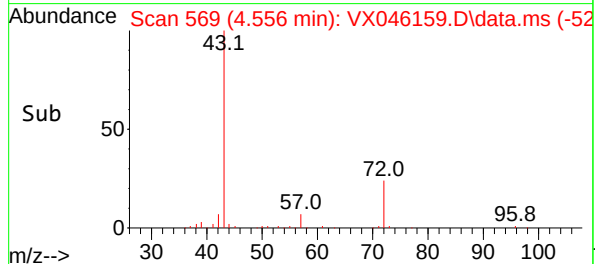
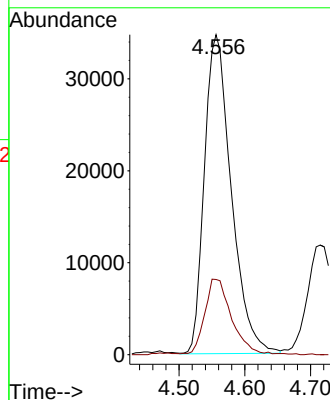
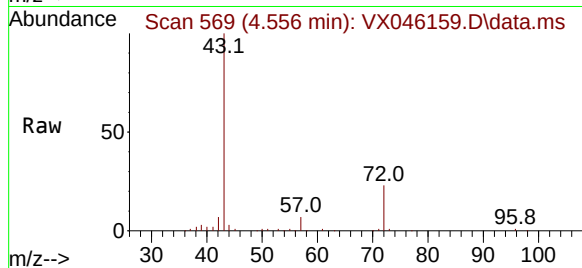
72 23.3 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#26

2,2-Dichloropropane

Concen: 17.838 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX046159.D

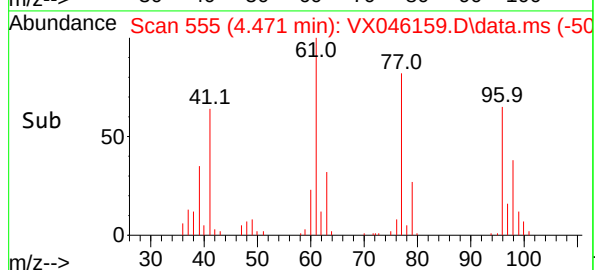
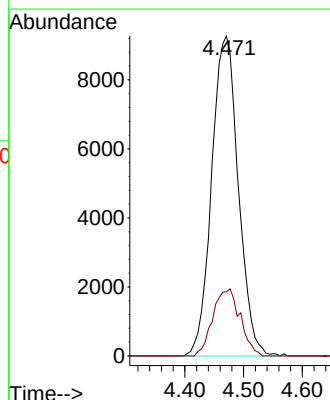
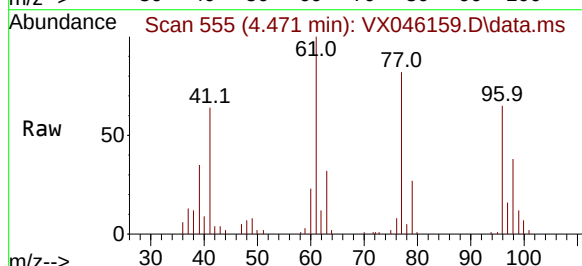
Acq: 13 May 2025 12:28

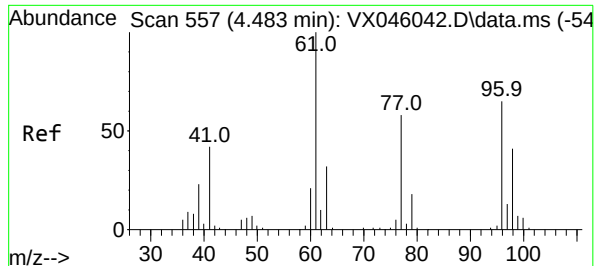
Tgt Ion: 77 Resp: 29241

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 19.986 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 96 Resp: 2464

Ion Ratio Lower Upper

96 100

61 154.7 0.0 322.8

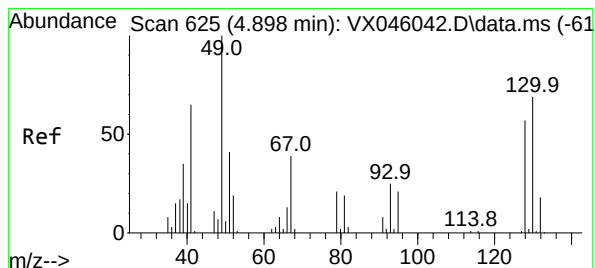
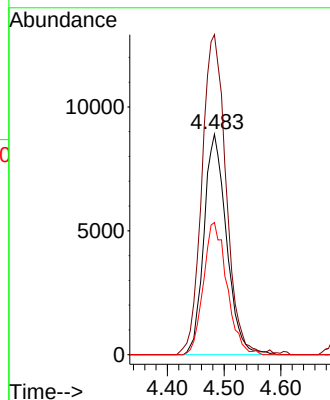
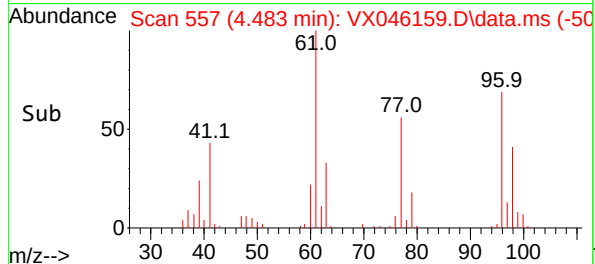
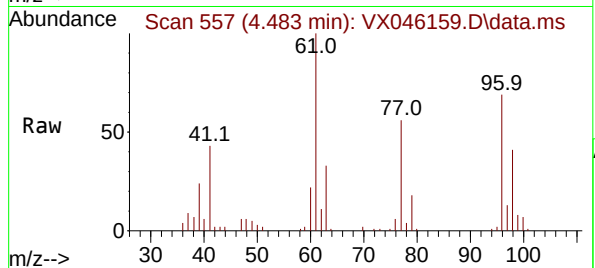
98 62.0 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#28

Bromochloromethane

Concen: 22.554 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

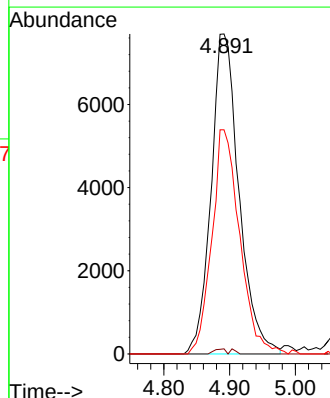
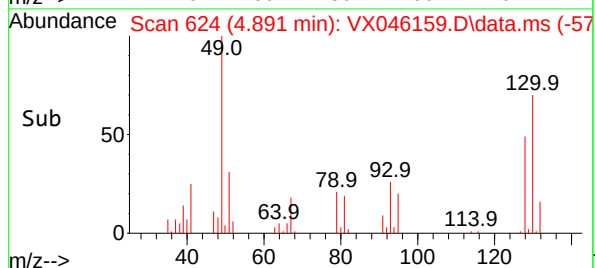
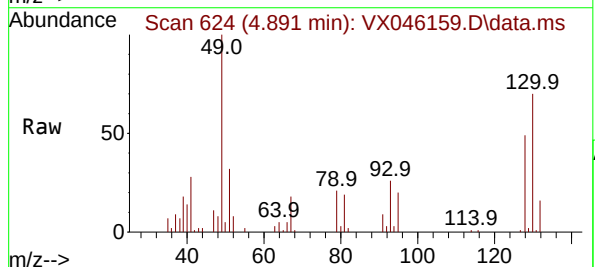
Tgt Ion: 49 Resp: 22737

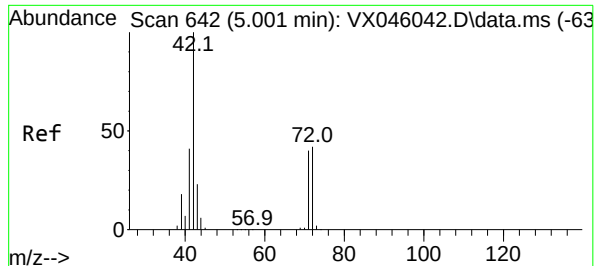
Ion Ratio Lower Upper

49 100

129 0.6 0.0 4.0

130 69.8 56.2 84.2





#29

Tetrahydrofuran

Concen: 105.413 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 42 Resp: 61570

Ion Ratio Lower Upper

42 100

72 42.2 33.7 50.5

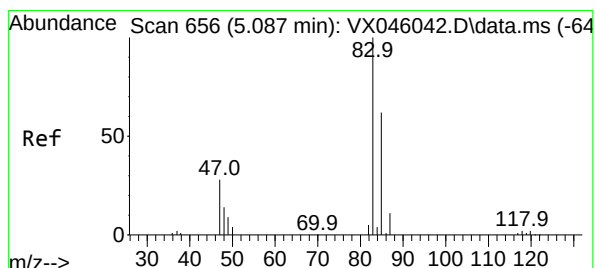
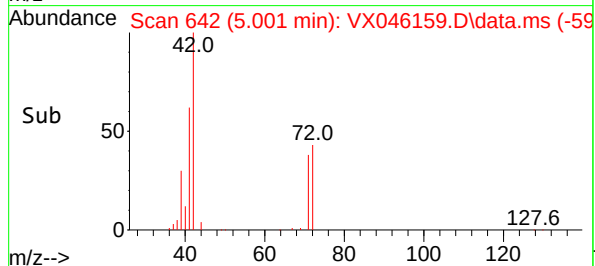
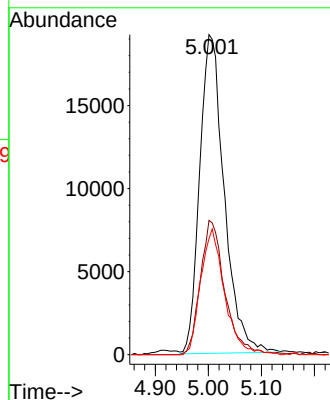
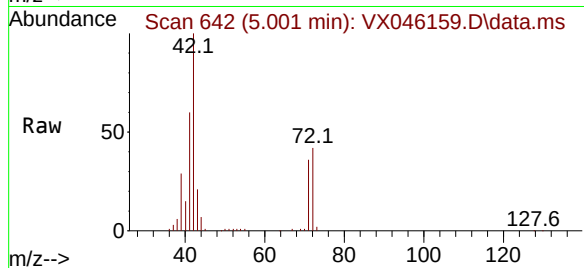
71 38.6 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#30

Chloroform

Concen: 20.406 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX046159.D

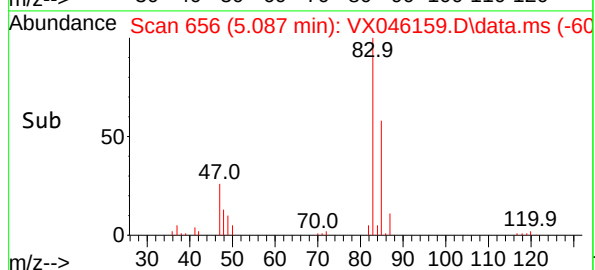
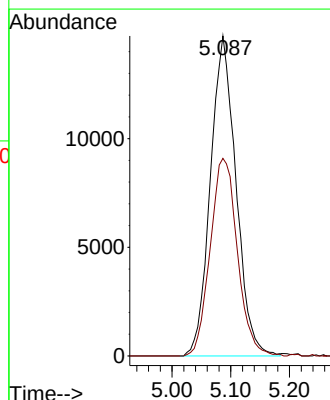
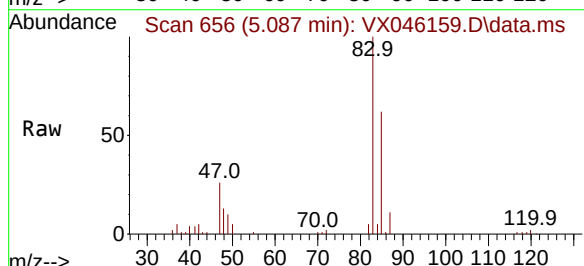
Acq: 13 May 2025 12:28

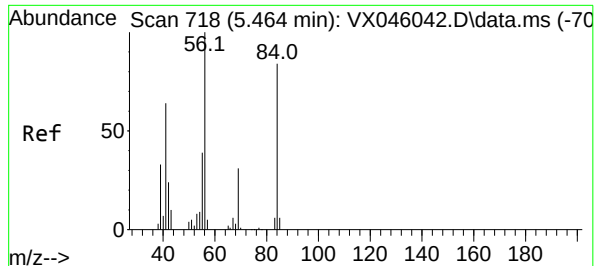
Tgt Ion: 83 Resp: 44545

Ion Ratio Lower Upper

83 100

85 61.7 49.3 73.9





#31

Cyclohexane

Concen: 18.621 ug/l

RT: 5.465 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX046159.D

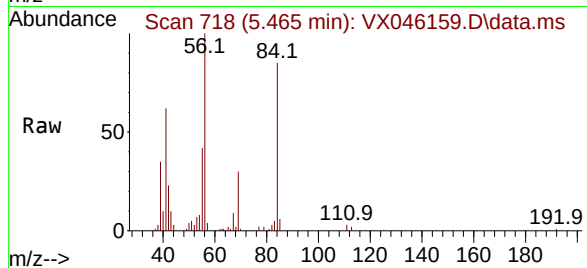
Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01



Tgt Ion: 56 Resp: 35538

Ion Ratio Lower Upper

56 100

69 30.2 24.4 36.6

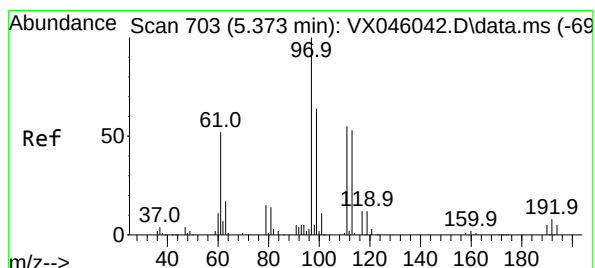
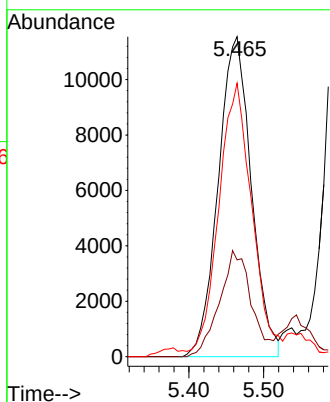
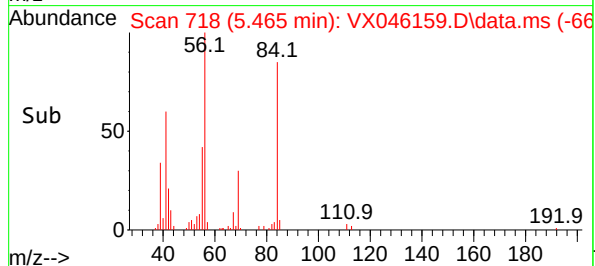
84 83.7 66.9 100.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#32

1,1,1-Trichloroethane

Concen: 19.430 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

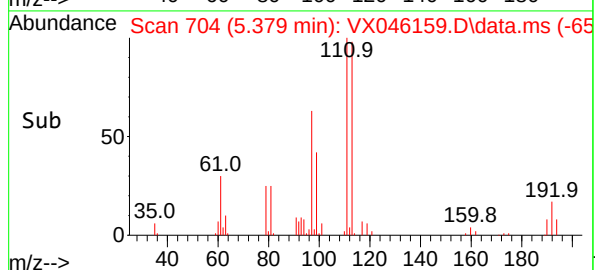
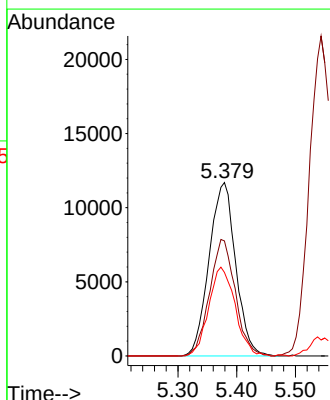
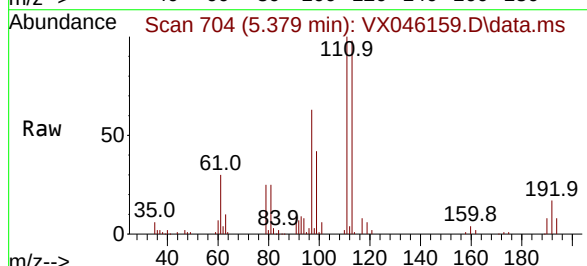
Tgt Ion: 97 Resp: 36768

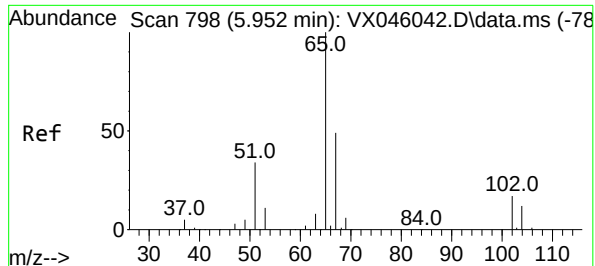
Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

61 50.9 40.1 60.1





#33

1,2-Dichloroethane-d4

Concen: 52.159 ug/l

RT: 5.946 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 65 Resp: 83530

Ion Ratio Lower Upper

65 100

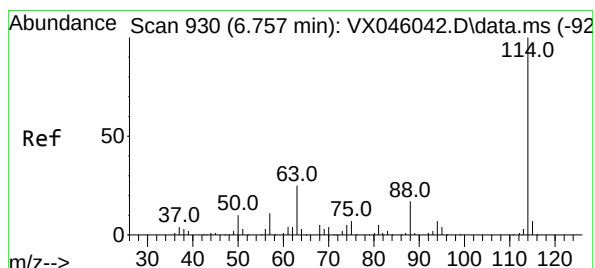
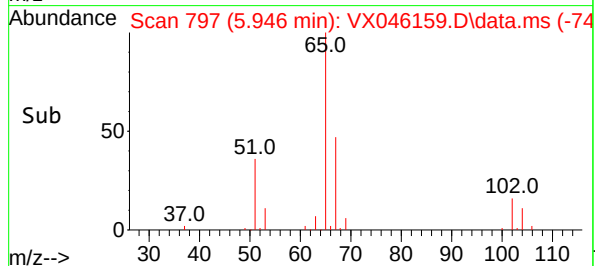
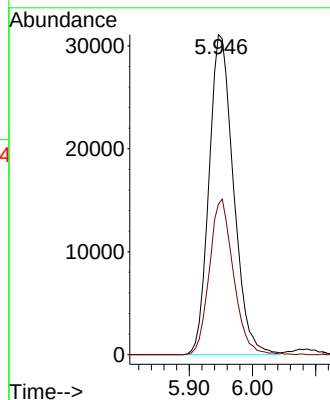
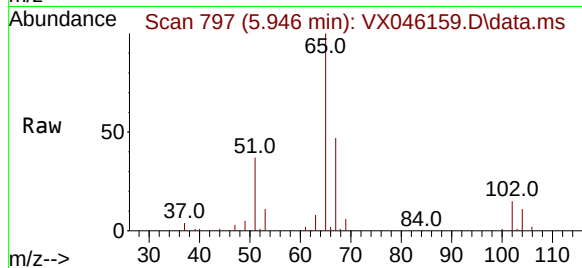
67 47.8 0.0 99.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

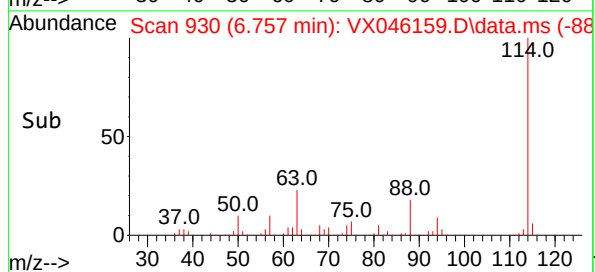
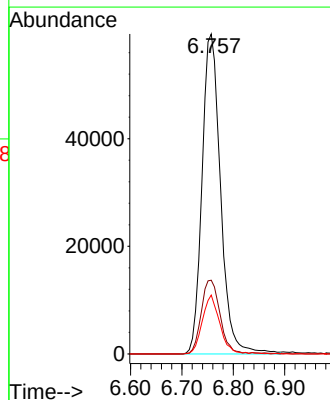
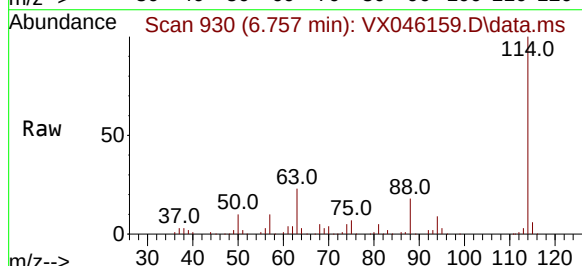
Tgt Ion:114 Resp: 148923

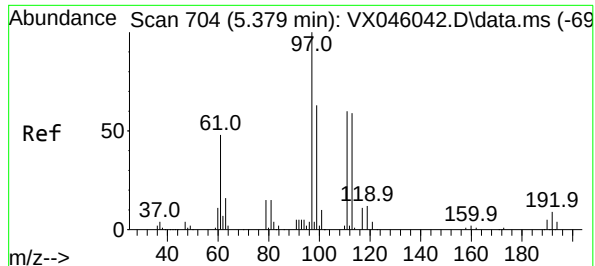
Ion Ratio Lower Upper

114 100

63 23.1 0.0 49.2

88 18.4 0.0 33.6





#35

Dibromofluoromethane

Concen: 51.899 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

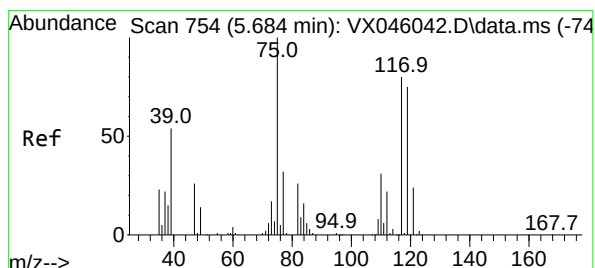
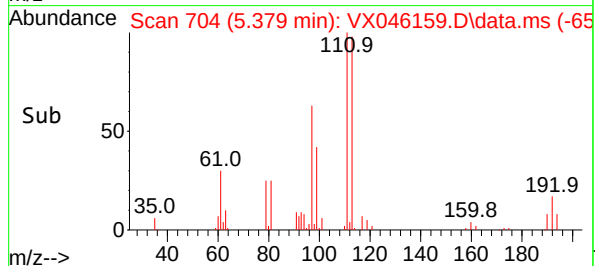
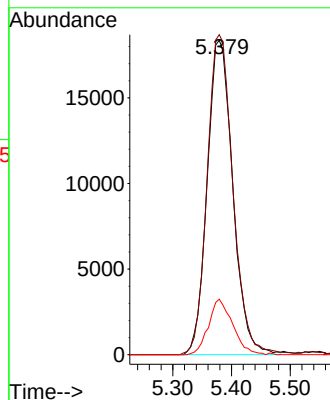
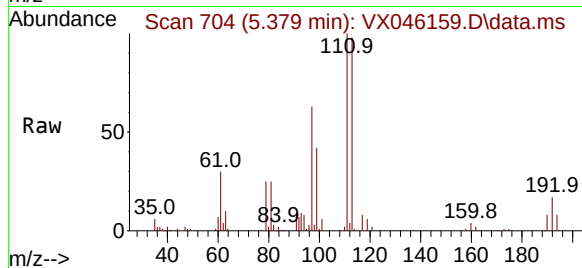
Tgt Ion:	113	Resp:	5565
Ion Ratio	Lower	Upper	
113	100		
111	102.4	83.1	124.7
192	16.6	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#36

1,1-Dichloropropene

Concen: 19.050 ug/l

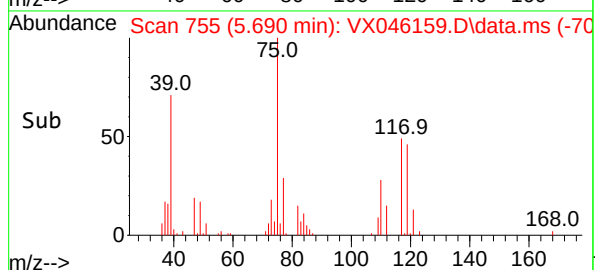
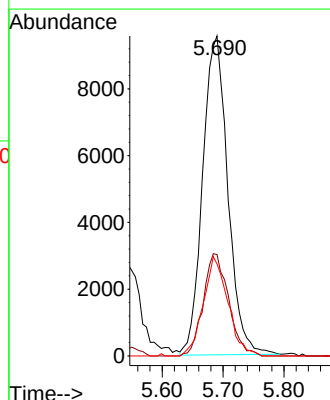
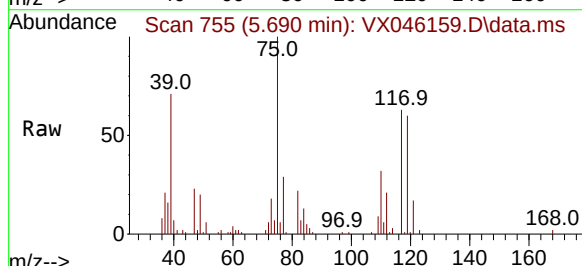
RT: 5.690 min Scan# 755

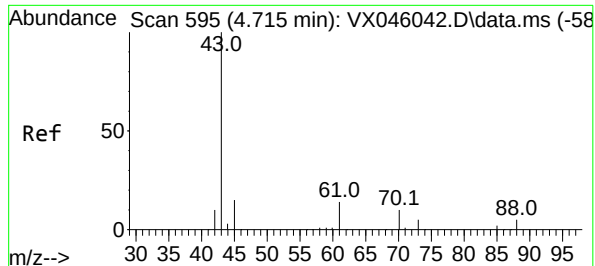
Delta R.T. 0.006 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Tgt Ion:	75	Resp:	27449
Ion Ratio	Lower	Upper	
75	100		
110	32.3	16.3	48.9
77	30.5	24.3	36.5





#37

Ethyl Acetate

Concen: 19.437 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 43 Resp: 3460

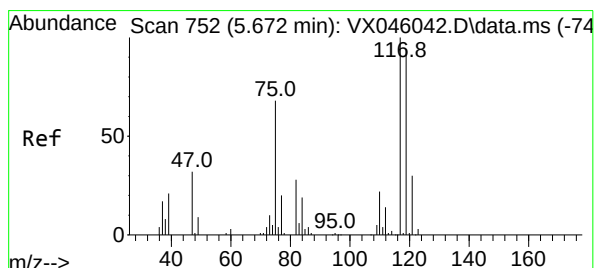
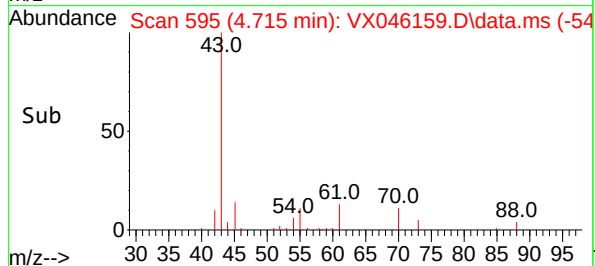
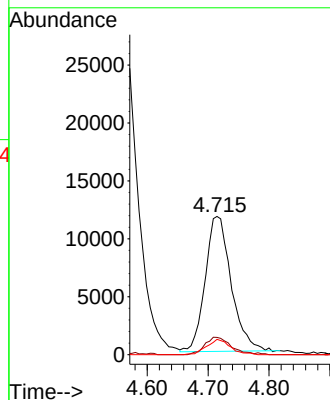
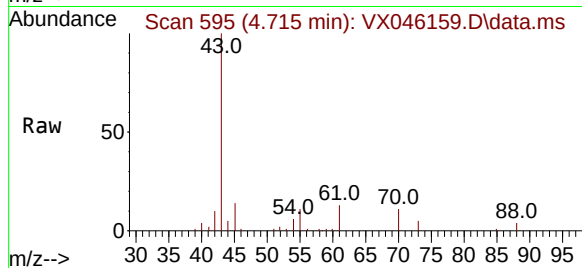
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.3	15.5
70	10.3	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#38

Carbon Tetrachloride

Concen: 19.921 ug/l

RT: 5.672 min Scan# 752

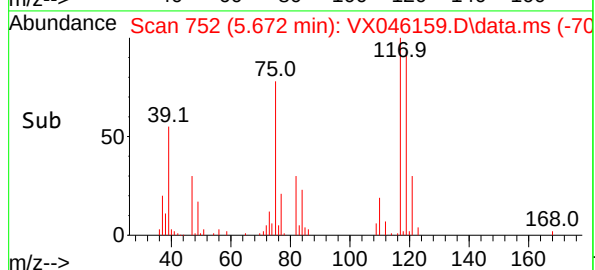
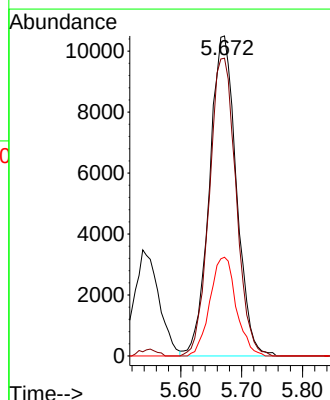
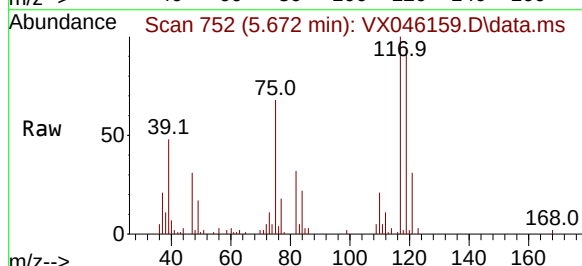
Delta R.T. 0.000 min

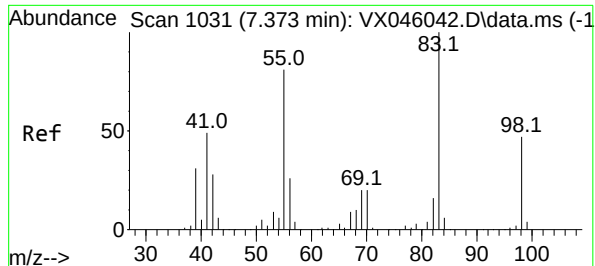
Lab File: VX046159.D

Acq: 13 May 2025 12:28

Tgt Ion: 117 Resp: 32251

Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.2	112.8
121	30.9	24.2	36.4





#39

Methylcyclohexane

Concen: 18.721 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 83 Resp: 34728

Ion Ratio Lower Upper

83 100

55 80.9 64.7 97.1

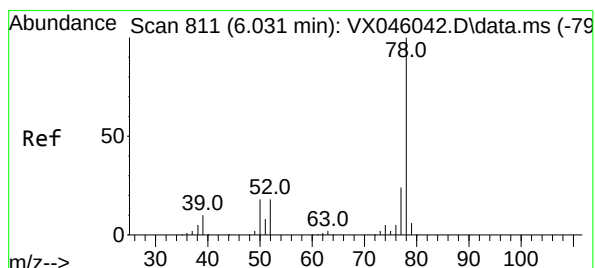
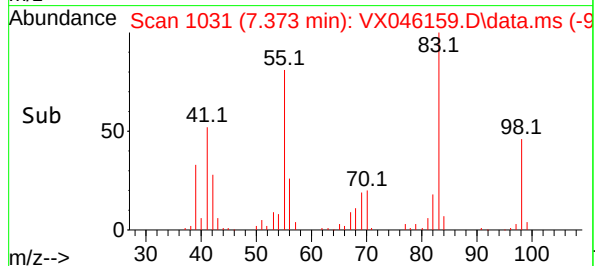
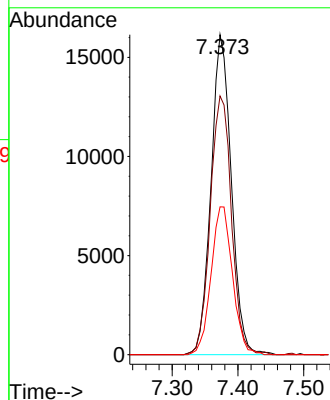
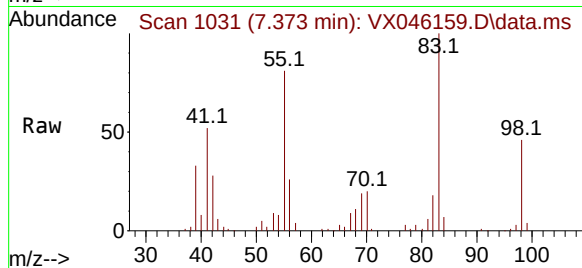
98 46.2 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#40

Benzene

Concen: 19.764 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX046159.D

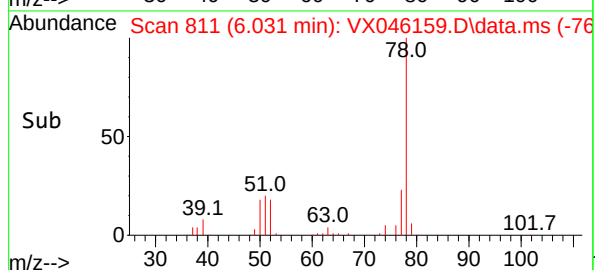
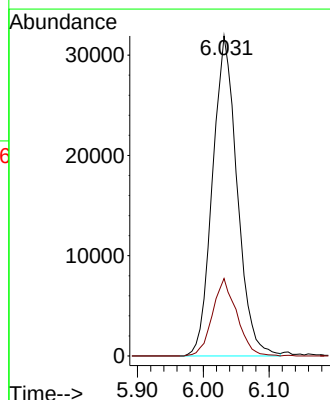
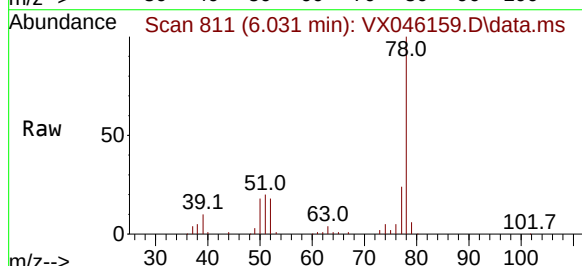
Acq: 13 May 2025 12:28

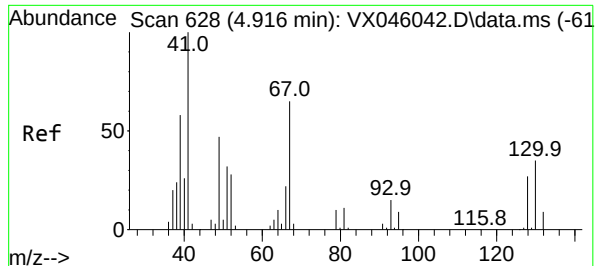
Tgt Ion: 78 Resp: 83414

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.4





#41

Methacrylonitrile

Concen: 21.613 ug/l

RT: 4.922 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 41 Resp: 2012

Ion Ratio Lower Upper

41 100

39 59.5 47.2 70.8

67 66.1 50.7 76.1

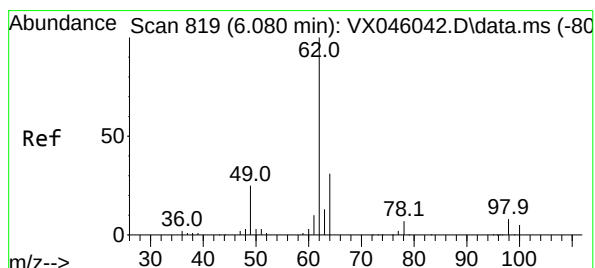
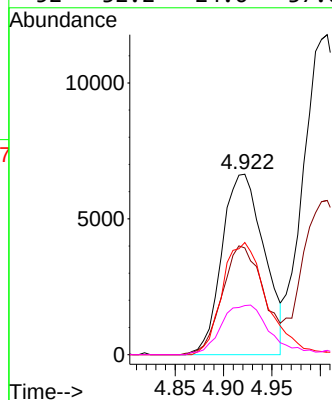
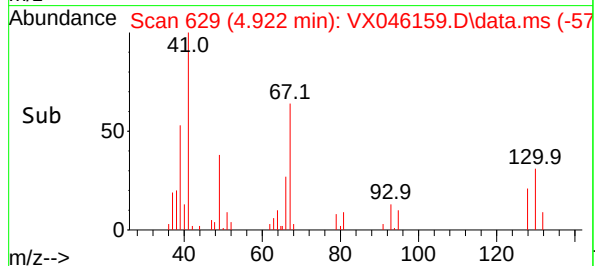
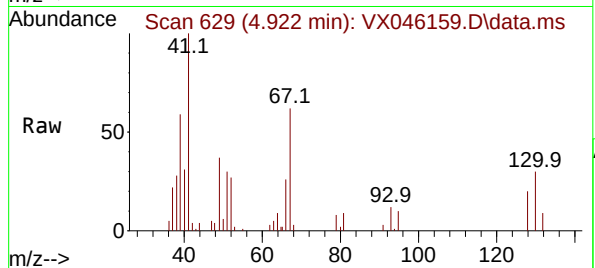
52 32.2 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#42

1,2-Dichloroethane

Concen: 20.823 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.006 min

Lab File: VX046159.D

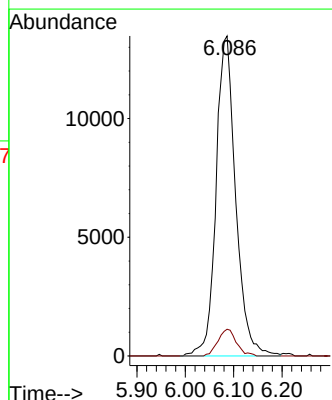
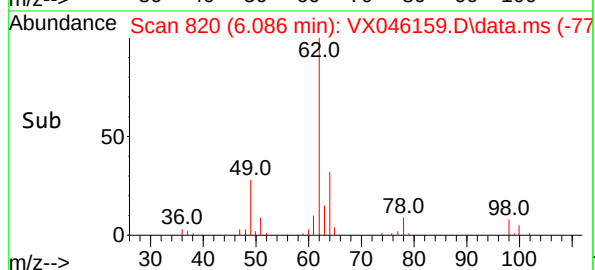
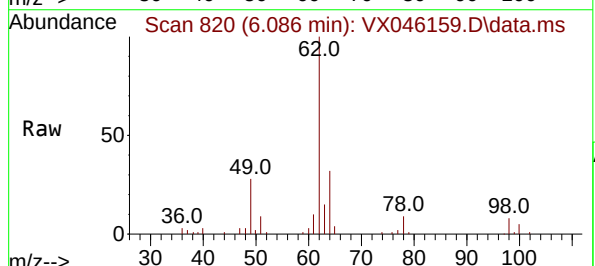
Acq: 13 May 2025 12:28

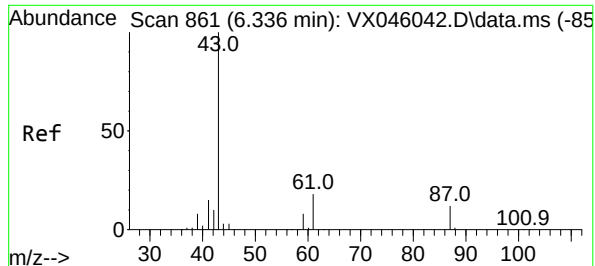
Tgt Ion: 62 Resp: 37930

Ion Ratio Lower Upper

62 100

98 7.9 0.0 15.2





#43

Isopropyl Acetate

Concen: 21.079 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 43 Resp: 57240

Ion Ratio Lower Upper

43 100

61 17.9 14.3 21.5

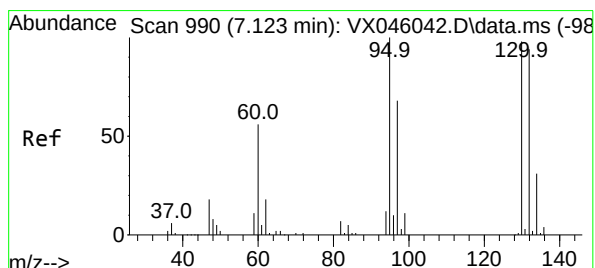
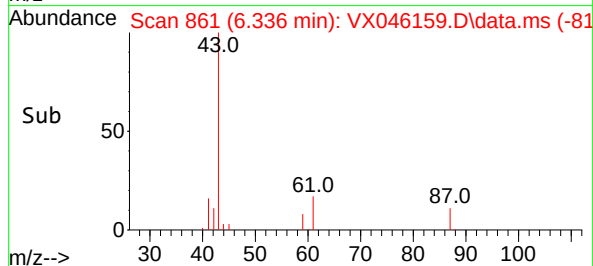
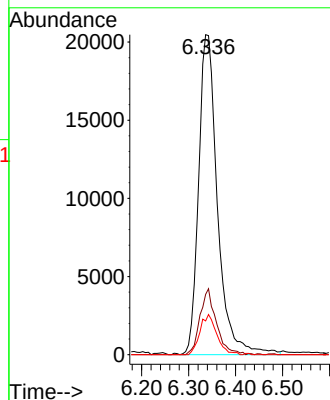
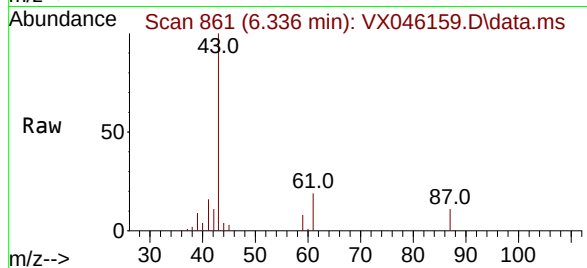
87 11.2 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#44

Trichloroethene

Concen: 19.986 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX046159.D

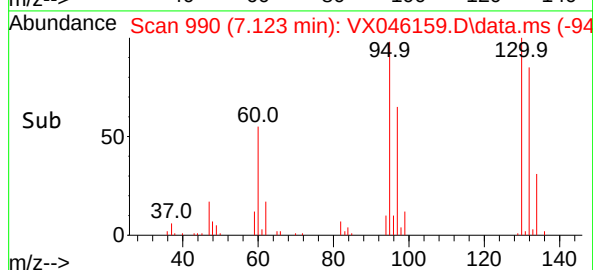
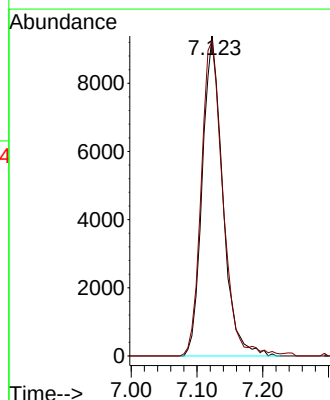
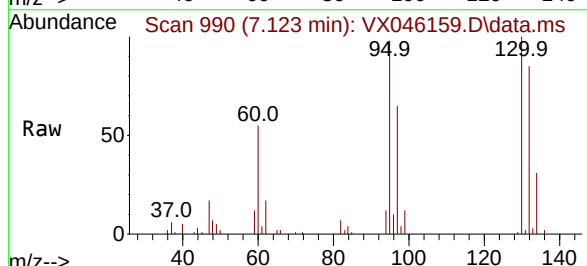
Acq: 13 May 2025 12:28

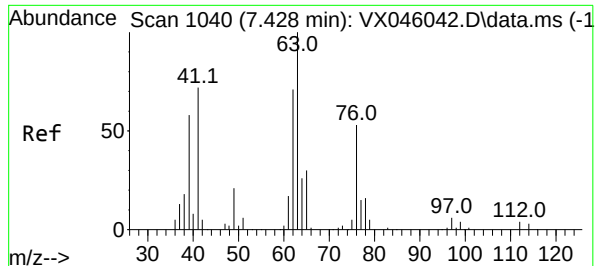
Tgt Ion:130 Resp: 20302

Ion Ratio Lower Upper

130 100

95 98.4 0.0 204.2





#45

1,2-Dichloropropane

Concen: 20.698 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 63 Resp: 2172

Ion Ratio Lower Upper

63 100

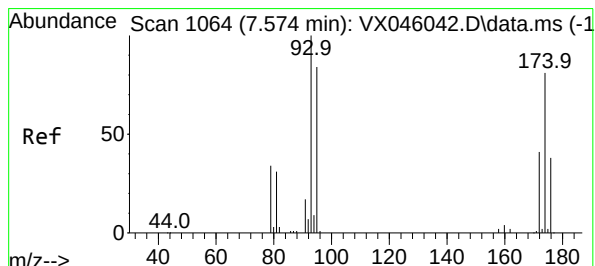
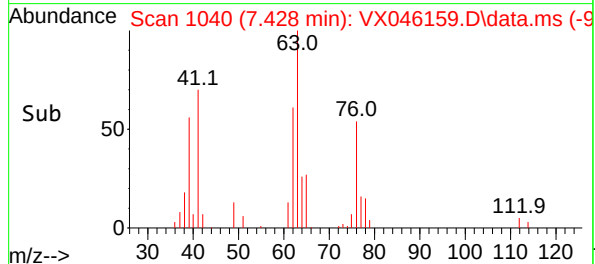
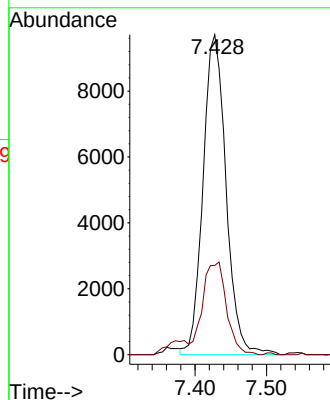
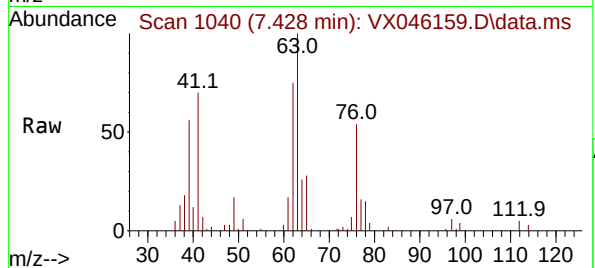
65 27.9 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#46

Dibromomethane

Concen: 20.493 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

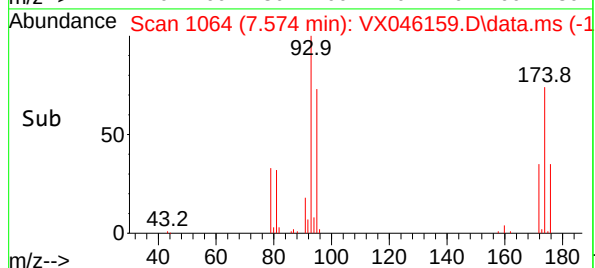
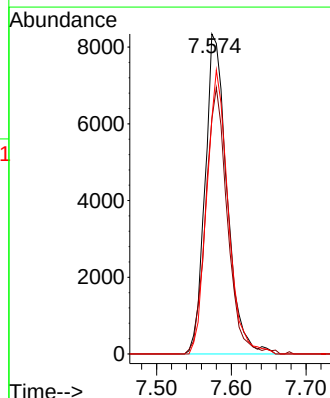
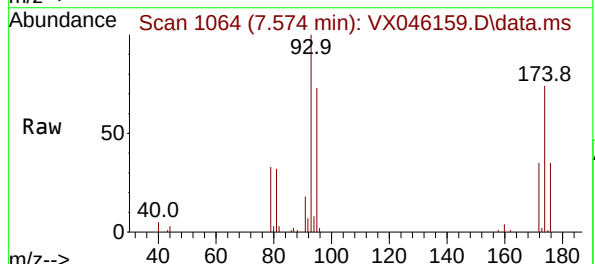
Tgt Ion: 93 Resp: 16962

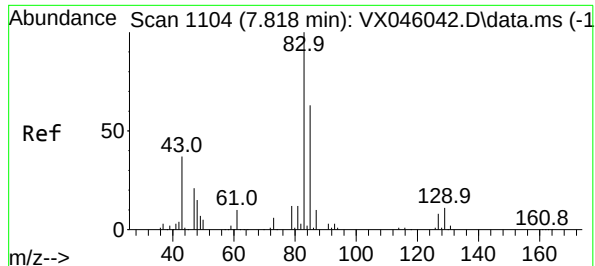
Ion Ratio Lower Upper

93 100

95 82.5 65.6 98.4

174 87.0 68.2 102.2





#47

Bromodichloromethane

Concen: 20.899 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

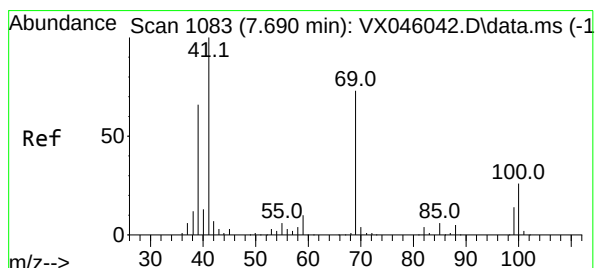
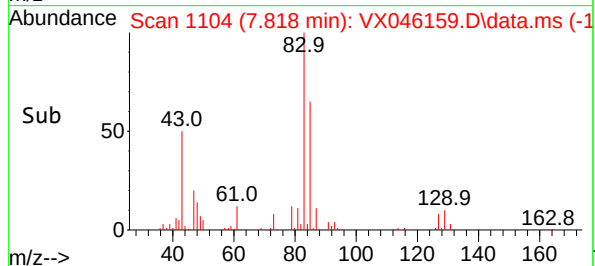
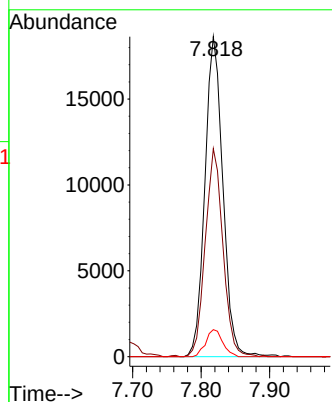
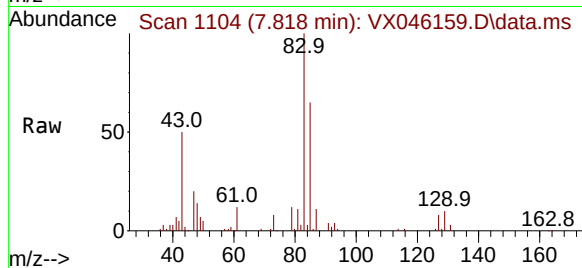
Tgt Ion:	83	Resp:	34070
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.5	75.7
127	8.4	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#48

Methyl methacrylate

Concen: 21.201 ug/l

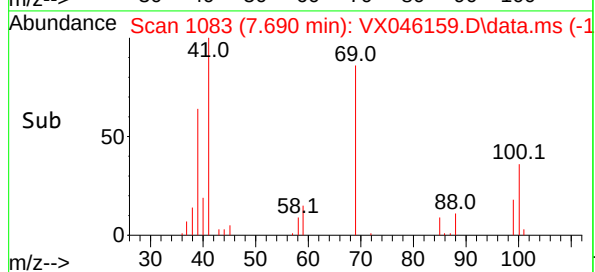
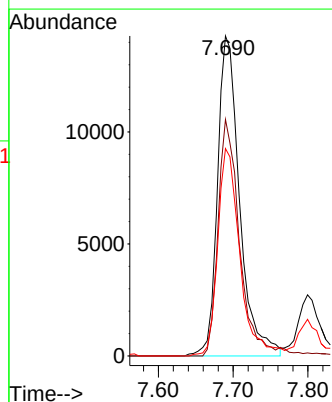
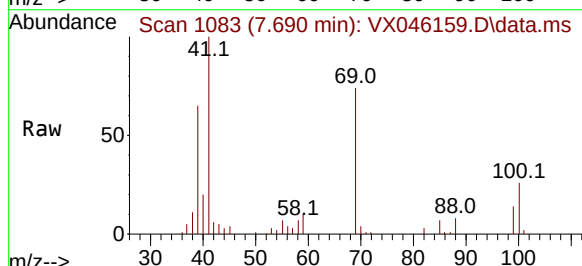
RT: 7.690 min Scan# 1083

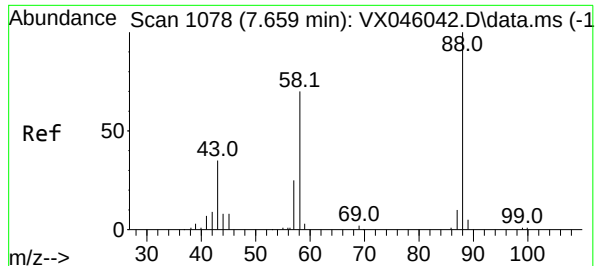
Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Tgt Ion:	41	Resp:	29406
Ion Ratio	Lower	Upper	
41	100		
69	73.3	58.5	87.7
39	65.0	51.7	77.5





#49

1,4-Dioxane

Concen: 469.866 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

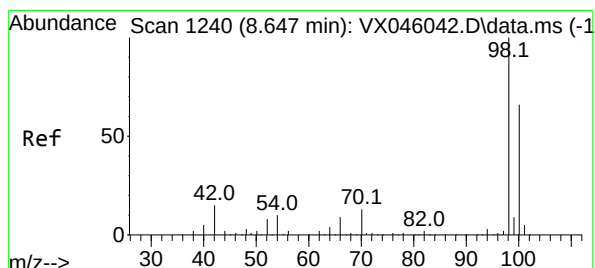
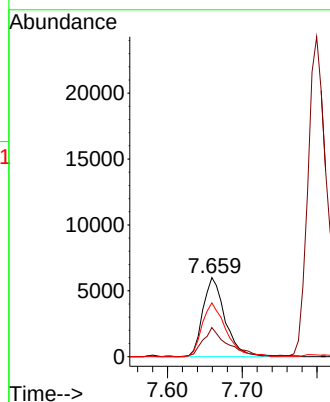
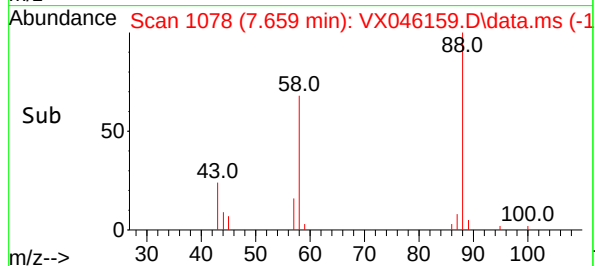
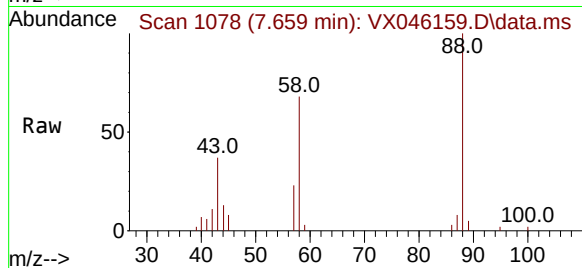
Tgt Ion:	88	Resp:	12374
Ion	Ratio	Lower	Upper
88	100		
43	40.9	33.4	50.2
58	72.7	58.6	88.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#50

Toluene-d8

Concen: 51.093 ug/l

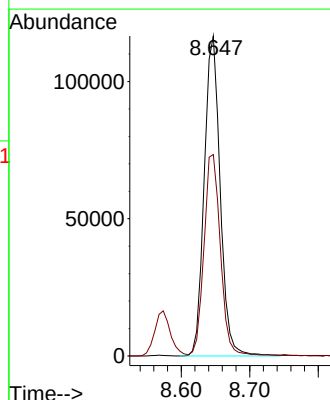
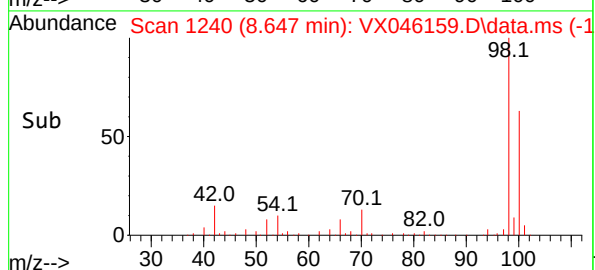
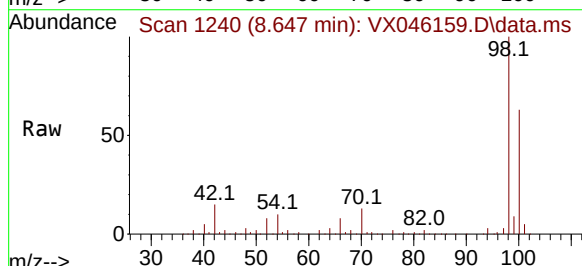
RT: 8.647 min Scan# 1240

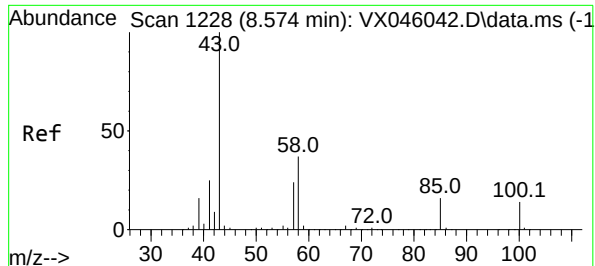
Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Tgt Ion:	98	Resp:	189645
Ion	Ratio	Lower	Upper
98	100		
100	64.6	53.5	80.3





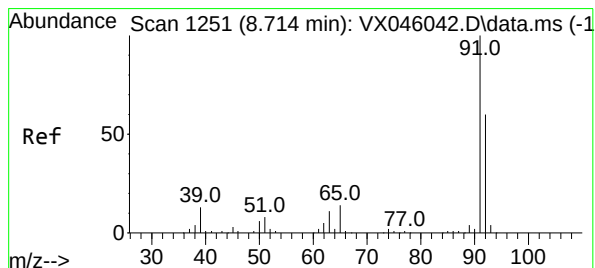
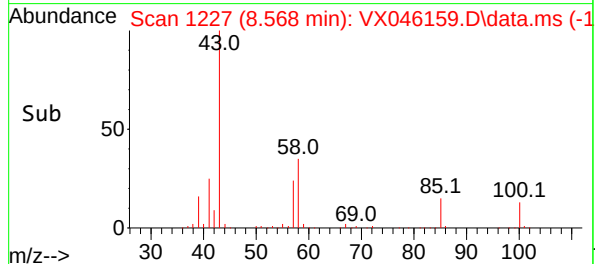
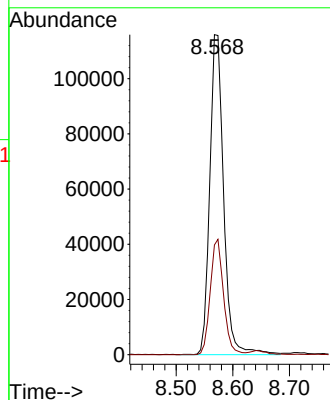
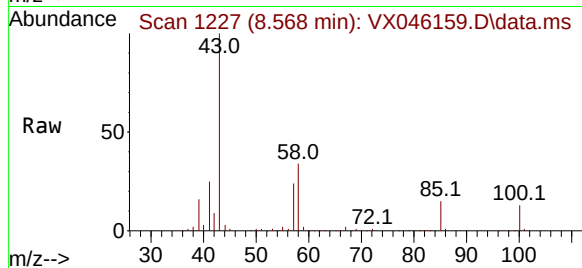
#51
4-Methyl-2-Pentanone
Concen: 109.382 ug/l
RT: 8.568 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tgt Ion: 43 Resp: 19718
Ion Ratio Lower Upper
43 100
58 34.6 28.9 43.3

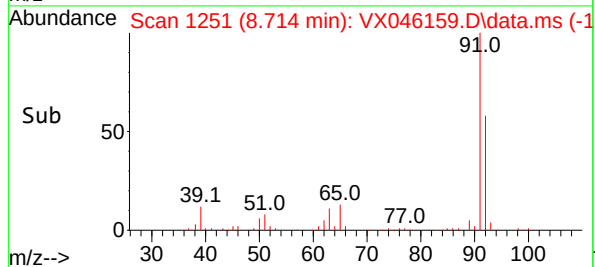
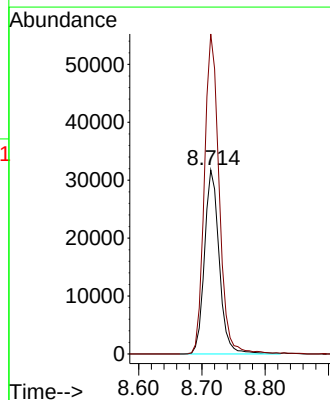
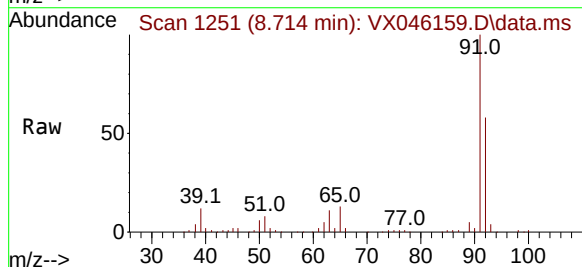
Manual Integrations
APPROVED

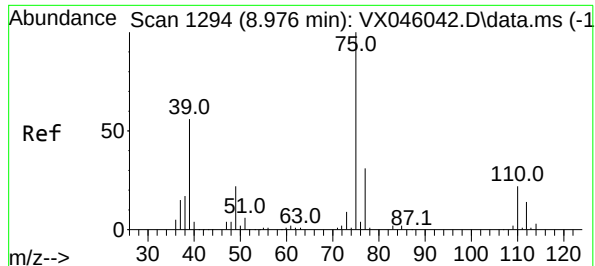
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#52
Toluene
Concen: 19.963 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Tgt Ion: 92 Resp: 51663
Ion Ratio Lower Upper
92 100
91 173.7 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 19.949 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 75 Resp: 28900

Ion Ratio Lower Upper

75 100

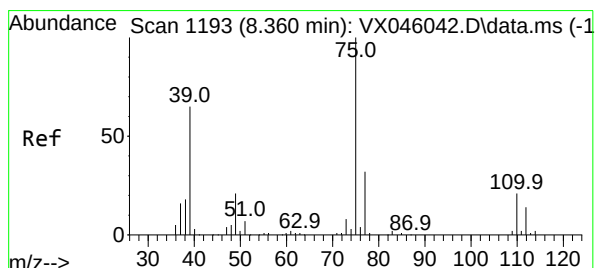
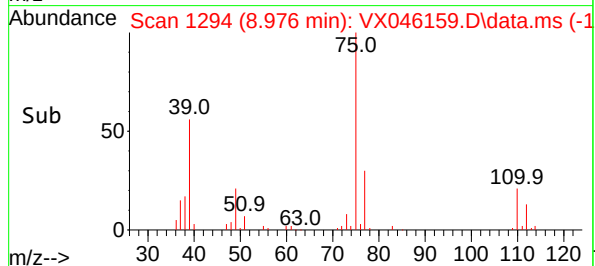
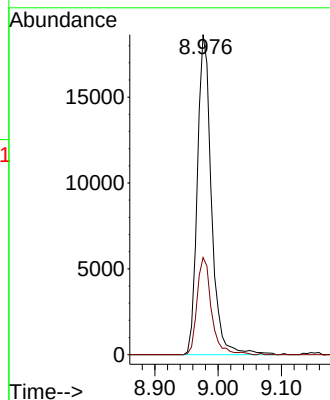
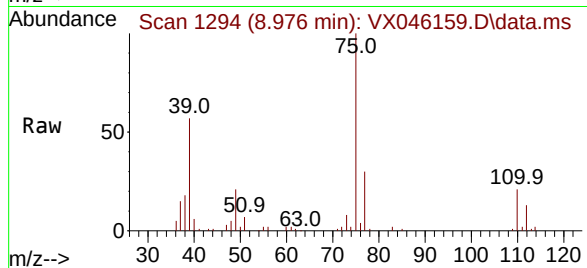
77 30.4 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#54

cis-1,3-Dichloropropene

Concen: 20.008 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

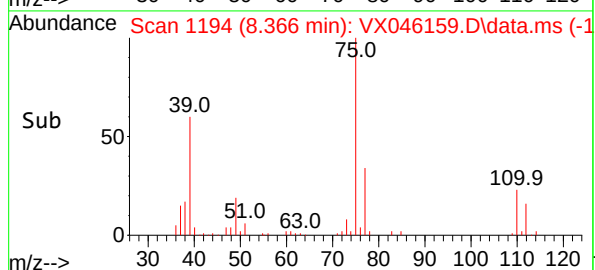
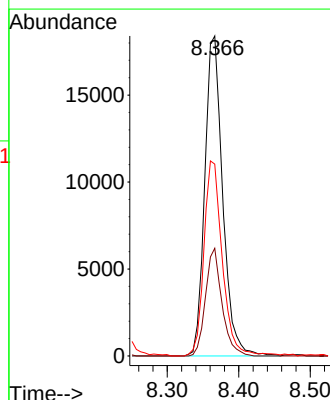
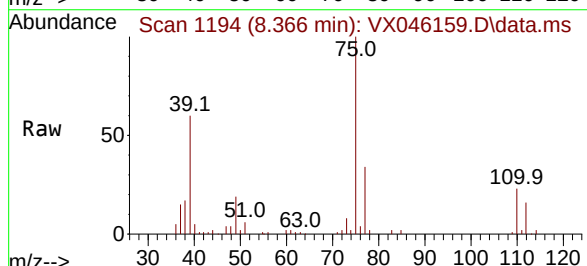
Tgt Ion: 75 Resp: 32044

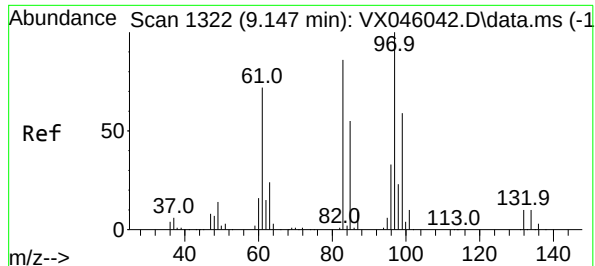
Ion Ratio Lower Upper

75 100

77 33.7 25.4 38.0

39 59.9 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 21.718 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 97 Resp: 2216

Ion Ratio Lower Upper

97 100

83 83.1 69.0 103.6

85 52.5 44.3 66.5

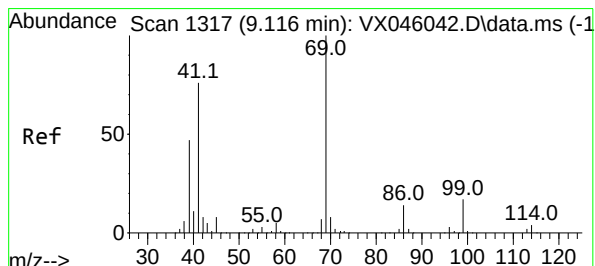
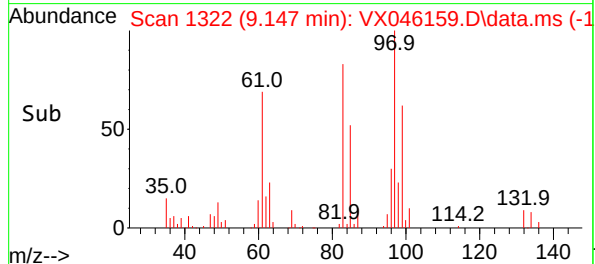
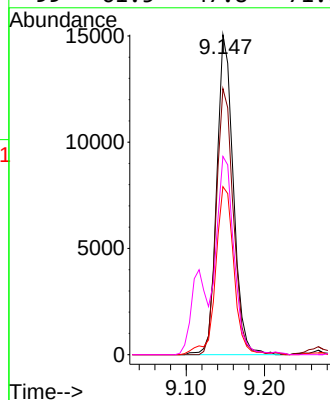
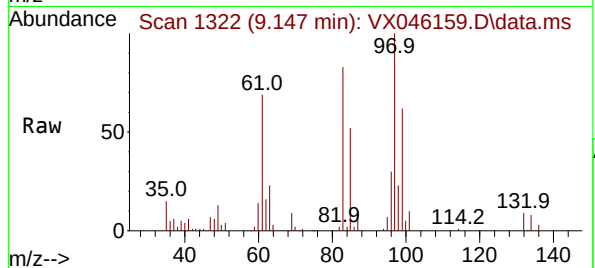
99 61.5 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#56

Ethyl methacrylate

Concen: 20.453 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

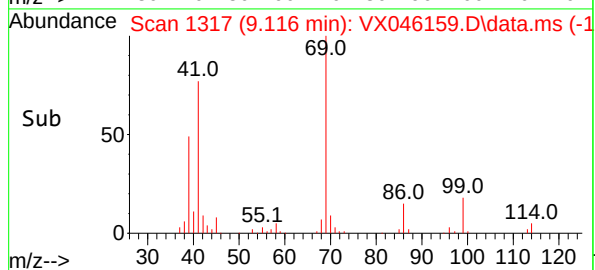
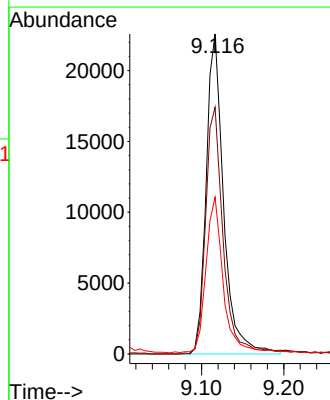
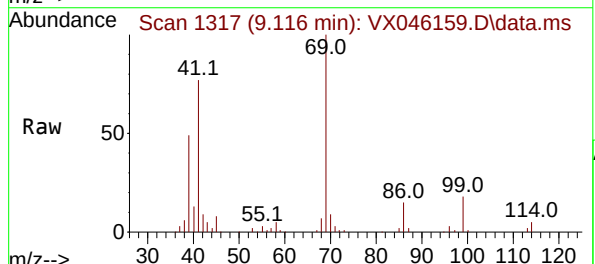
Tgt Ion: 69 Resp: 33264

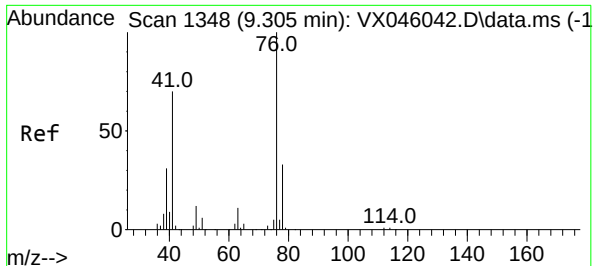
Ion Ratio Lower Upper

69 100

41 78.7 60.8 91.2

39 49.1 39.0 58.6





#57

1,3-Dichloropropane

Concen: 20.513 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 76 Resp: 3759

Ion Ratio Lower Upper

76 100

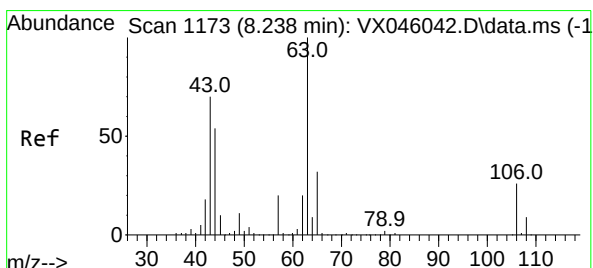
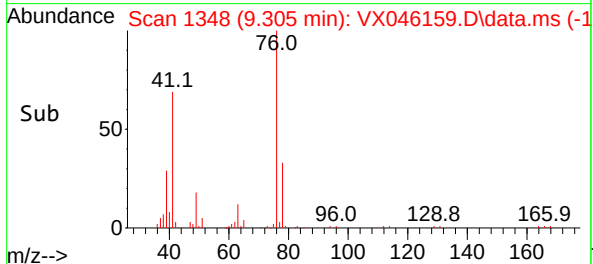
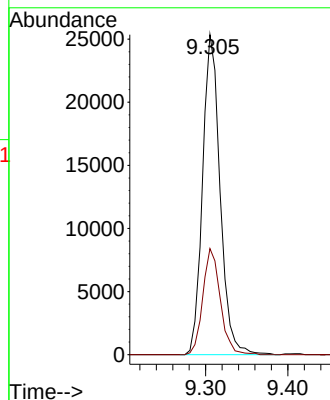
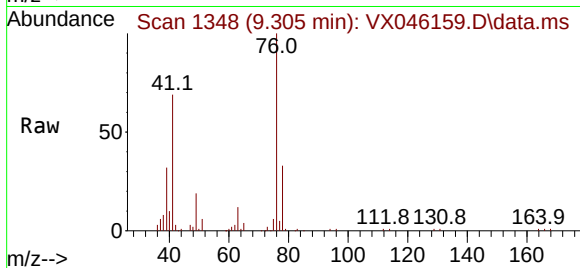
78 33.1 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#58

2-Chloroethyl Vinyl ether

Concen: 117.667 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX046159.D

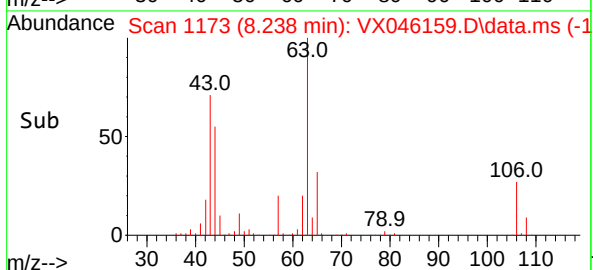
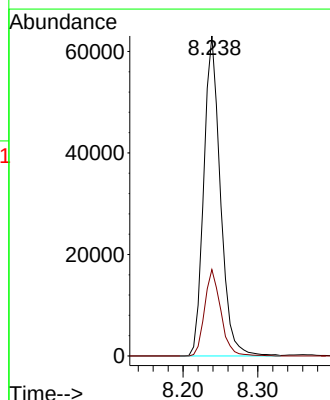
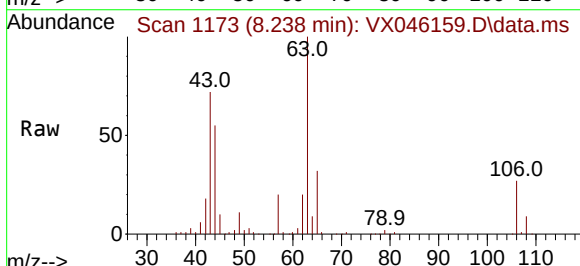
Acq: 13 May 2025 12:28

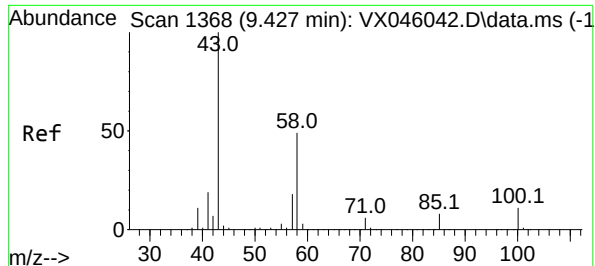
Tgt Ion: 63 Resp: 97562

Ion Ratio Lower Upper

63 100

106 26.2 21.5 32.3





#59

2-Hexanone

Concen: 109.368 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 43 Resp: 145860

Ion Ratio Lower Upper

43 100

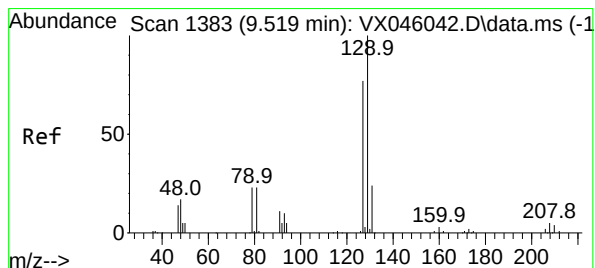
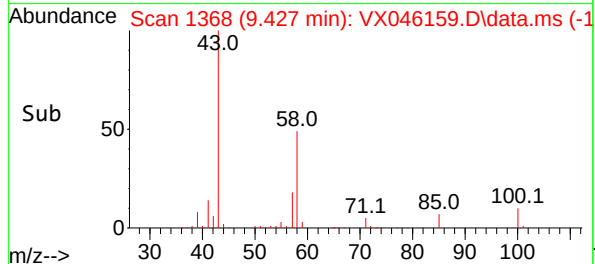
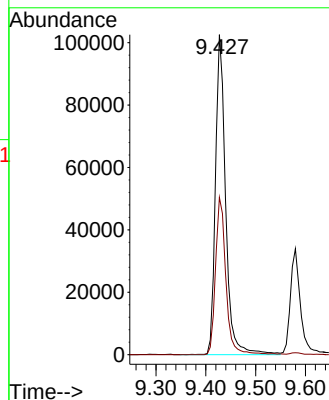
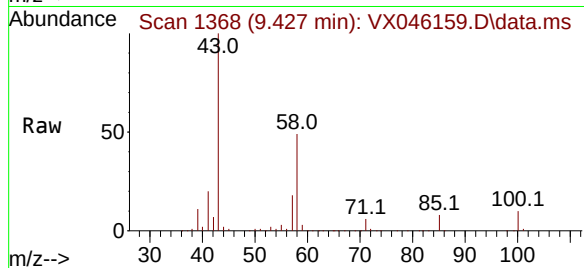
58 49.8 24.9 74.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#60

Dibromochloromethane

Concen: 21.254 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX046159.D

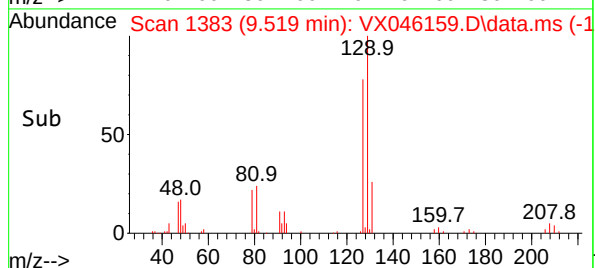
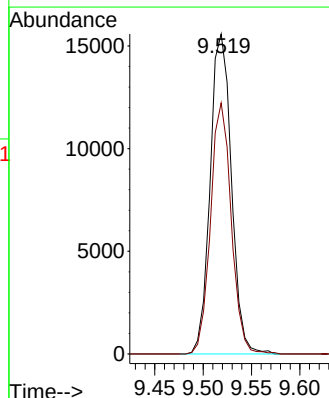
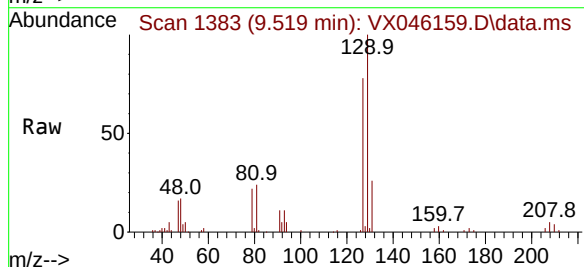
Acq: 13 May 2025 12:28

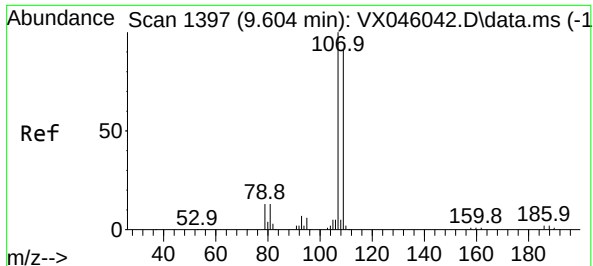
Tgt Ion:129 Resp: 23819

Ion Ratio Lower Upper

129 100

127 76.4 39.3 117.8





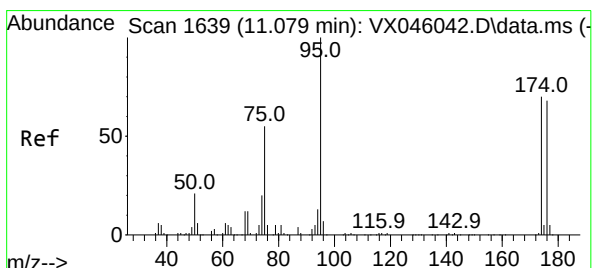
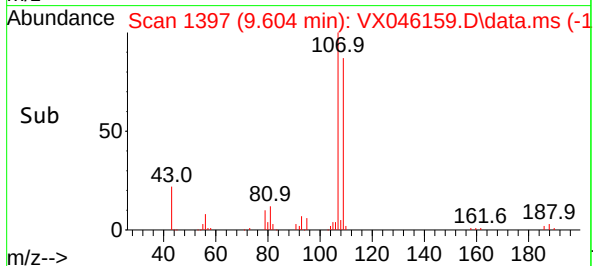
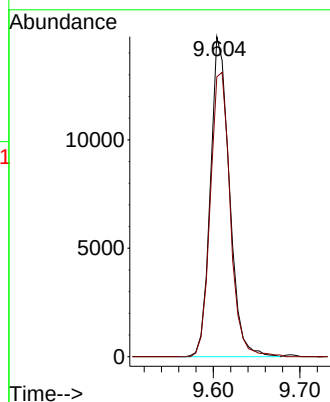
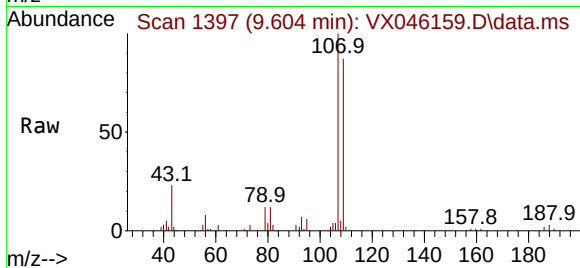
#61
1,2-Dibromoethane
Concen: 21.167 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tgt Ion:107 Resp: 22449
Ion Ratio Lower Upper
107 100
109 93.2 73.3 109.9

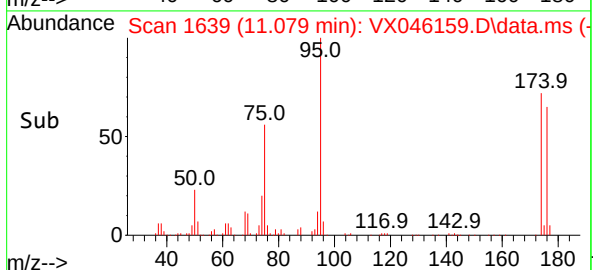
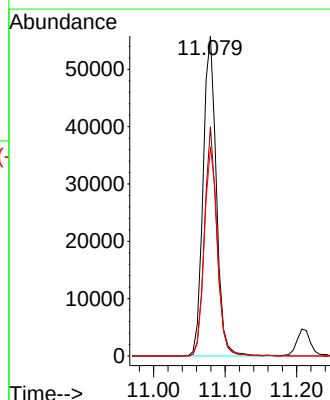
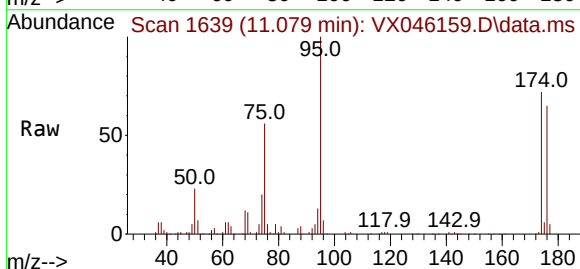
Manual Integrations
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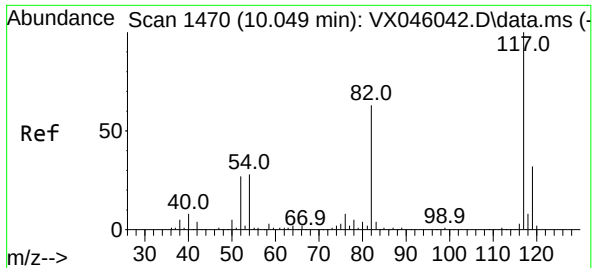
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#62
4-Bromofluorobenzene
Concen: 50.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

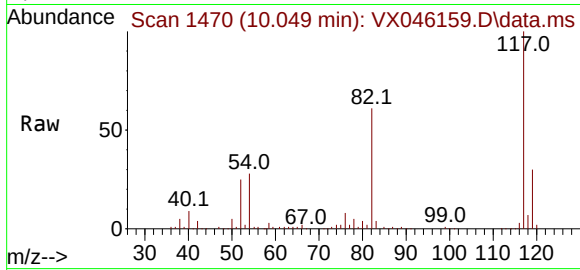
Tgt Ion: 95 Resp: 71708
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 65.1 0.0 131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

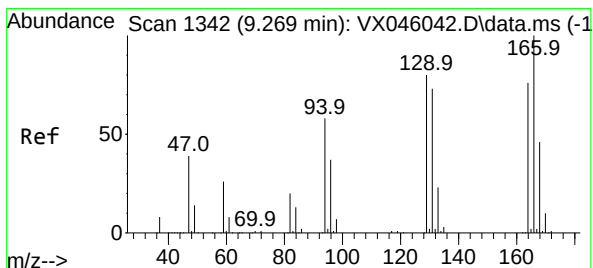
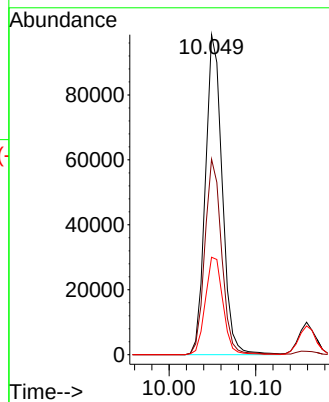
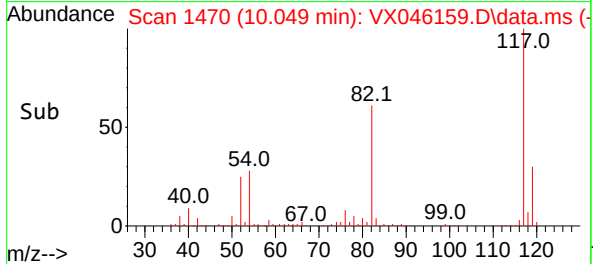
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01



Tgt Ion:117 Resp: 13299
Ion Ratio Lower Upper
117 100
82 61.1 50.6 76.0
119 30.4 25.8 38.6

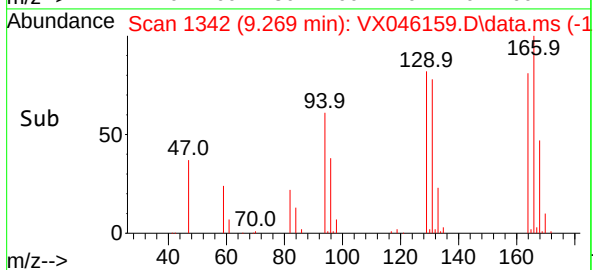
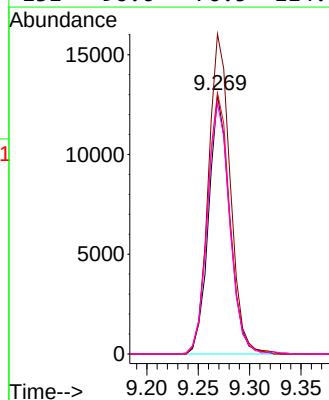
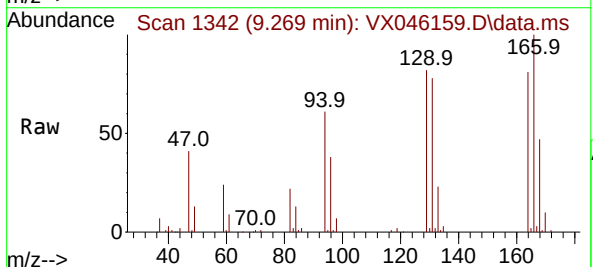
Manual Integrations
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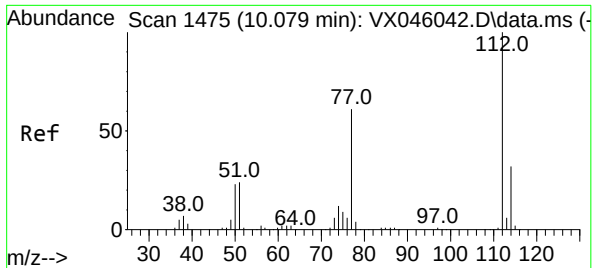
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#64
Tetrachloroethene
Concen: 19.655 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Tgt Ion:164 Resp: 18495
Ion Ratio Lower Upper
164 100
166 123.5 105.0 157.6
129 100.7 83.5 125.3
131 96.6 76.5 114.7





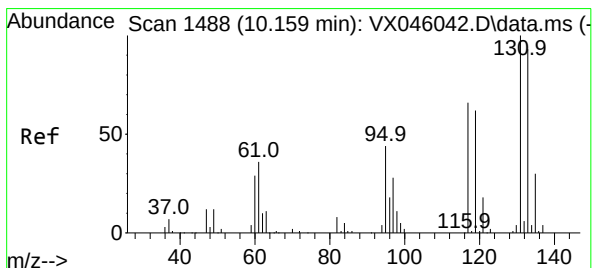
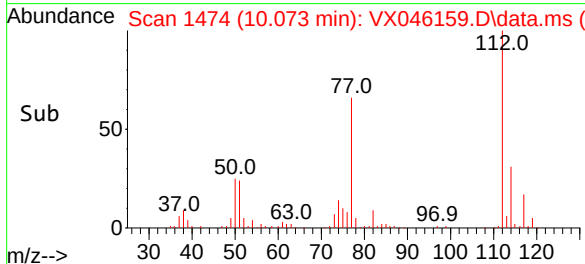
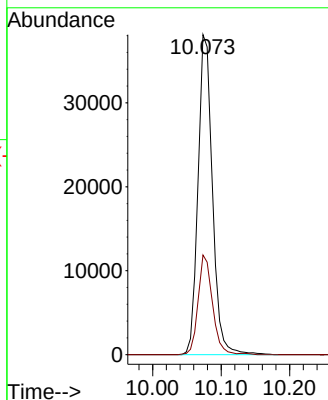
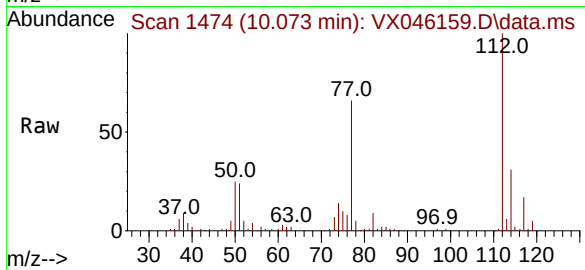
#65
Chlorobenzene
Concen: 19.223 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tgt Ion:112 Resp: 55958
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2

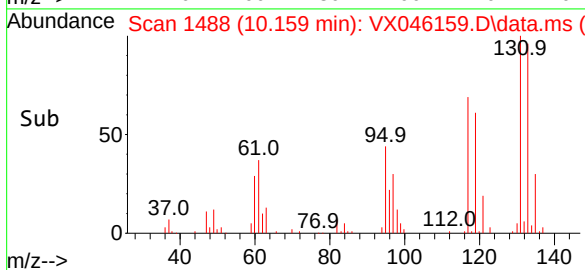
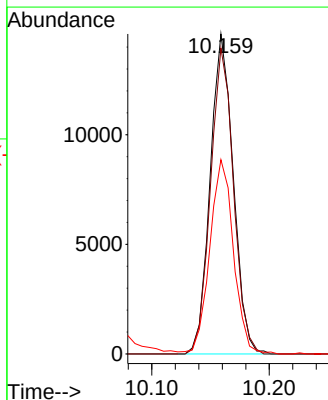
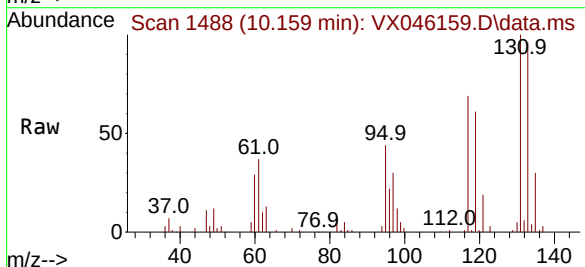
Manual Integrations
APPROVED

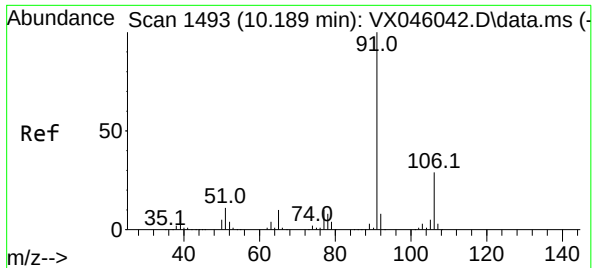
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.013 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

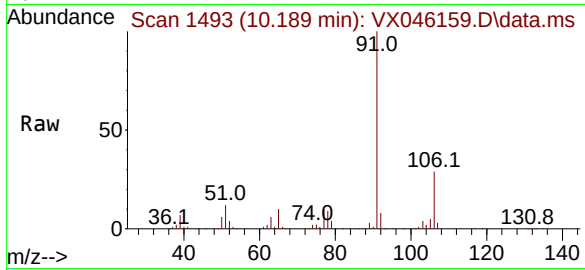
Tgt Ion:131 Resp: 19893
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 62.4 31.6 95.0





#67
Ethyl Benzene
Concen: 19.507 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

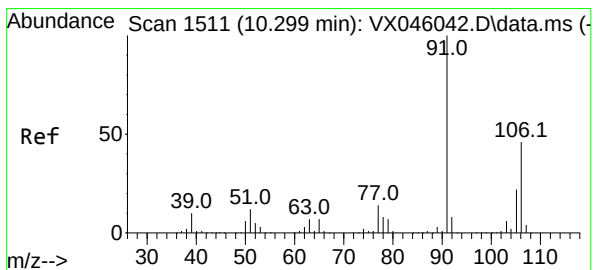
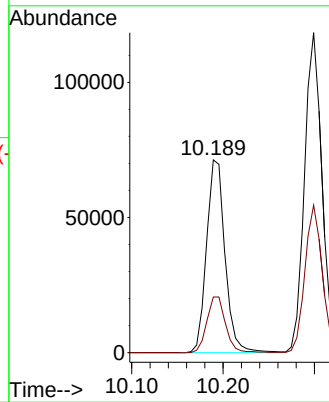
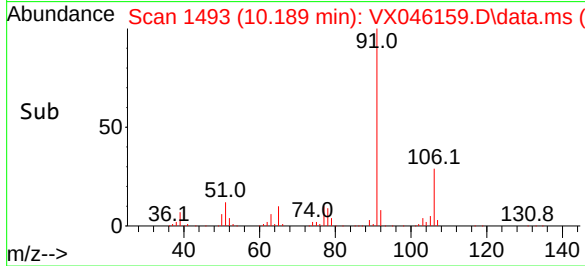
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01



Tgt Ion: 91 Resp: 100095
Ion Ratio Lower Upper
91 100
106 28.9 23.4 35.2

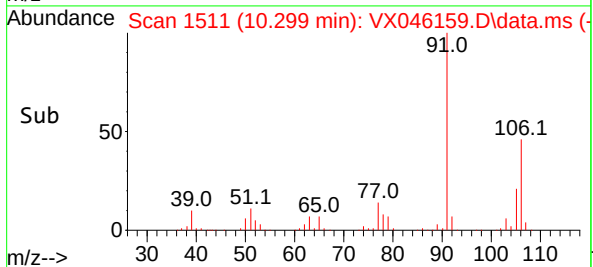
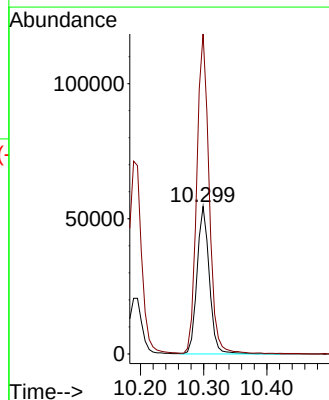
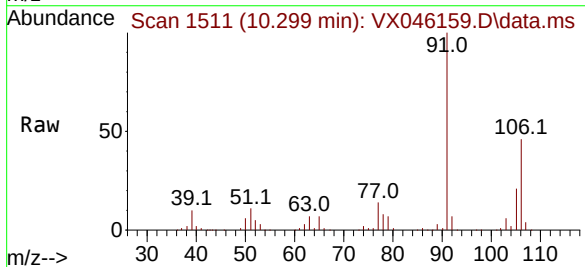
Manual Integrations
APPROVED

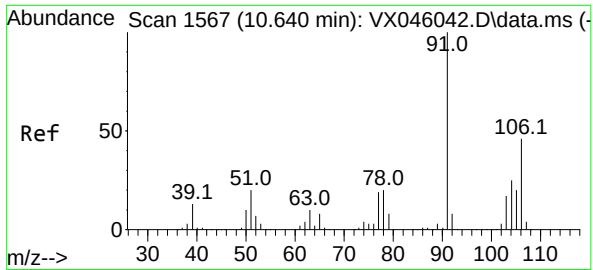
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#68
m/p-Xylenes
Concen: 39.291 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Tgt Ion:106 Resp: 73737
Ion Ratio Lower Upper
106 100
91 217.9 171.2 256.8





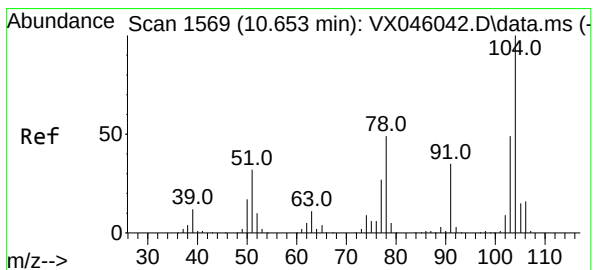
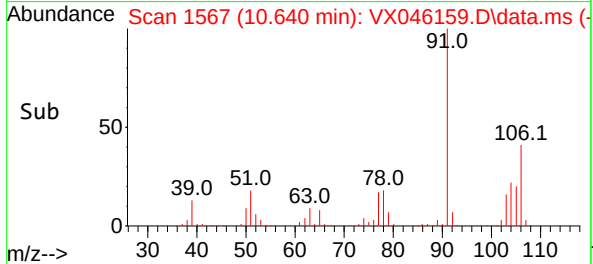
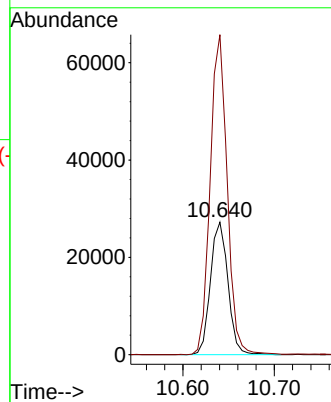
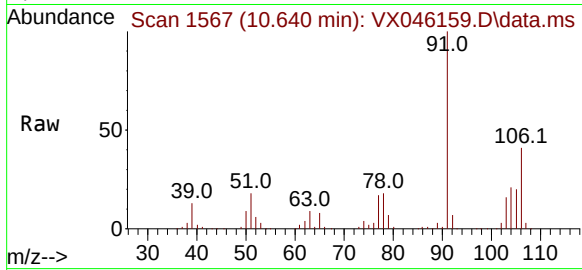
#69
o-Xylene
Concen: 19.807 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tgt Ion:106 Resp: 36239
Ion Ratio Lower Upper
106 100
91 234.5 112.7 338.1

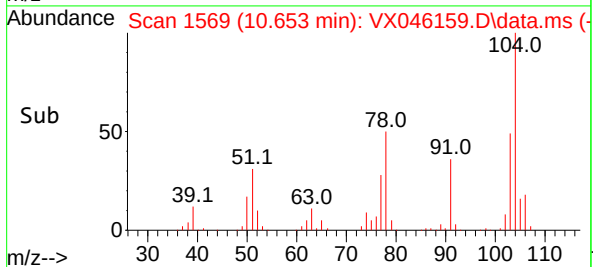
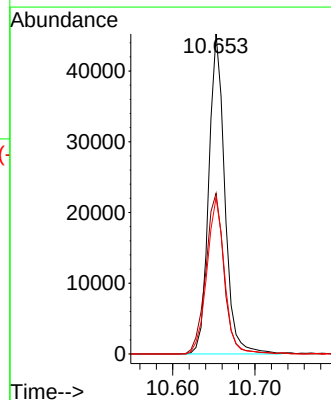
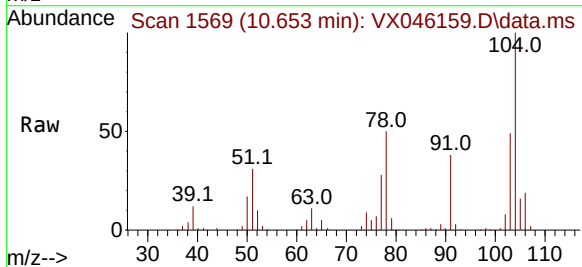
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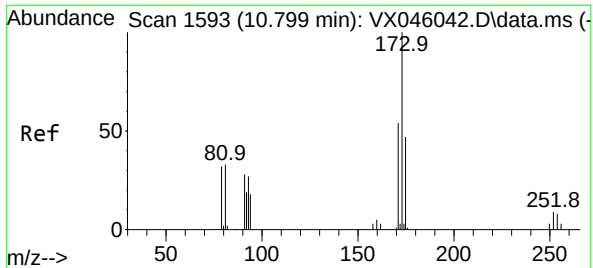
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#70
Styrene
Concen: 20.439 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

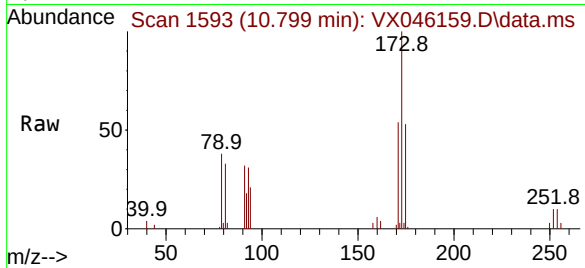
Tgt Ion:104 Resp: 61258
Ion Ratio Lower Upper
104 100
78 57.3 45.7 68.5
103 54.1 43.7 65.5





#71
Bromoform
Concen: 18.768 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

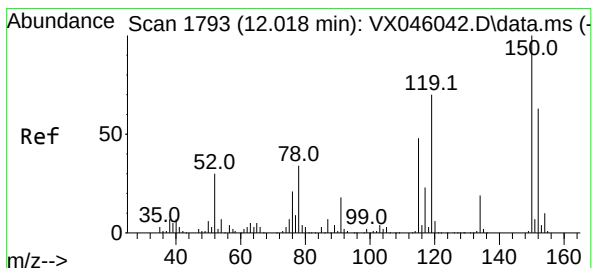
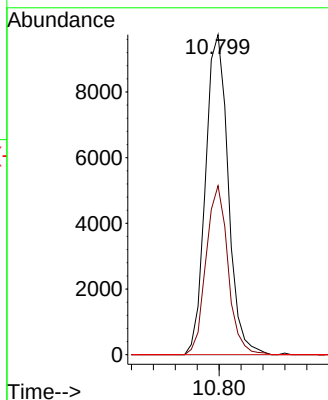
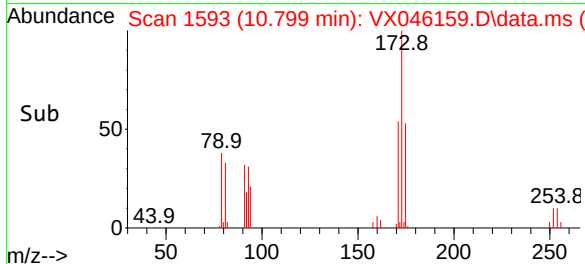
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01



Tgt Ion:173 Resp: 14000
Ion Ratio Lower Upper
173 100
175 51.2 23.4 70.0
254 0.0 0.0 0.0

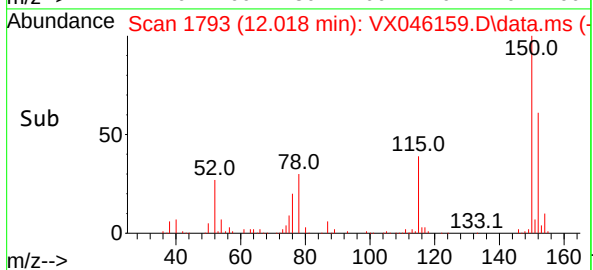
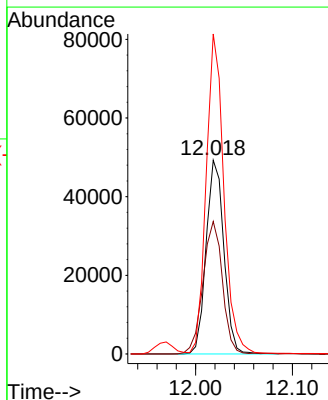
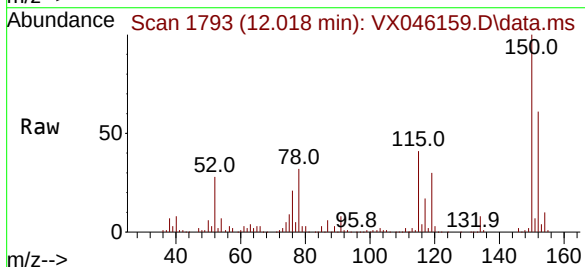
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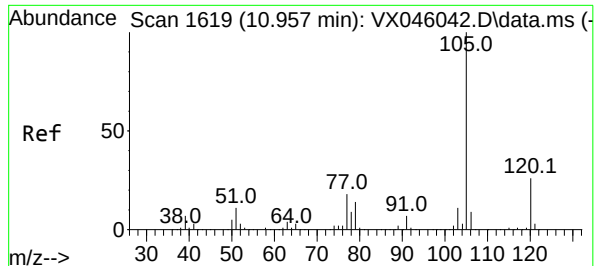
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Tgt Ion:152 Resp: 62827
Ion Ratio Lower Upper
152 100
115 75.0 46.9 140.7
150 164.0 0.0 351.0





#73

Isopropylbenzene

Concen: 19.994 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion:105 Resp: 97798

Ion Ratio Lower Upper

105 100

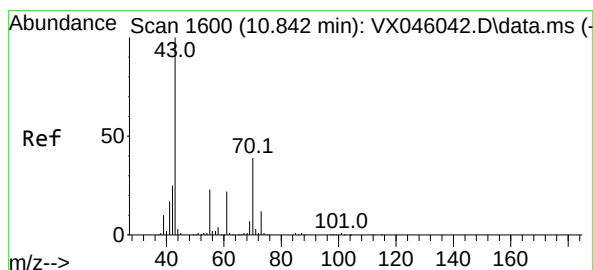
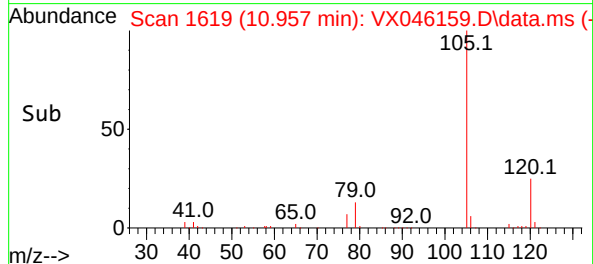
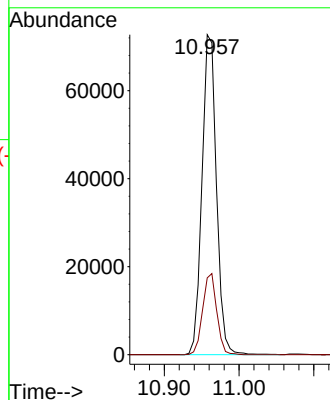
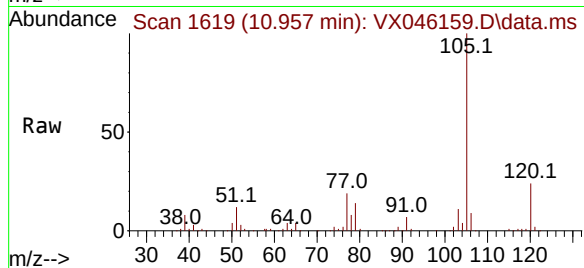
120 24.6 12.8 38.4

Manual Integrations

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Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#74

N-ethyl acetate

Concen: 19.848 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Tgt Ion: 43 Resp: 47972

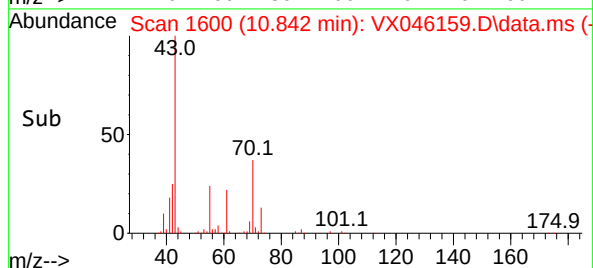
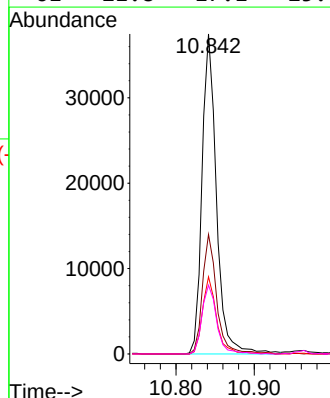
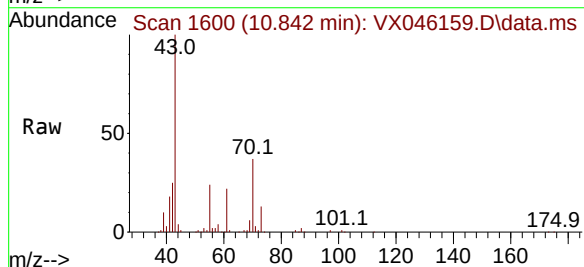
Ion Ratio Lower Upper

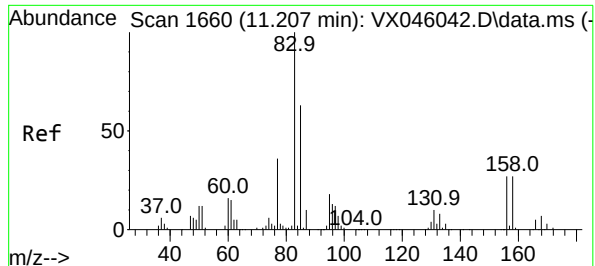
43 100

70 36.9 30.9 46.3

55 23.7 18.7 28.1

61 21.8 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.383 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 83 Resp: 34938

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

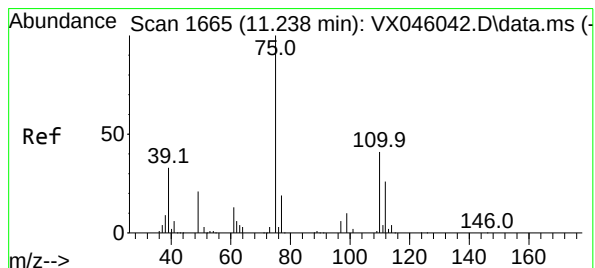
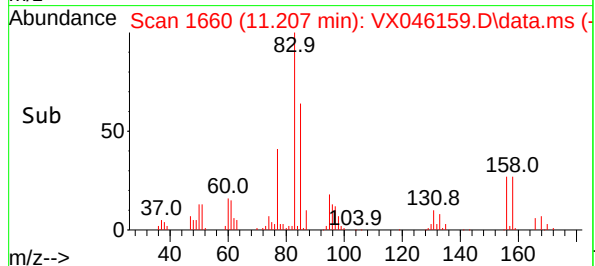
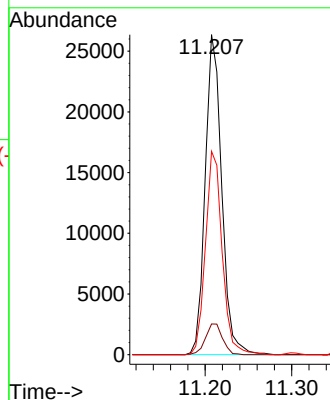
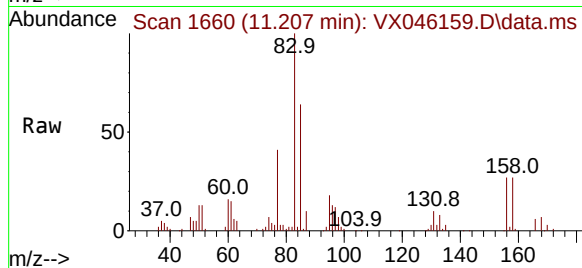
85 64.2 31.9 95.7

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Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#76

1,2,3-Trichloropropane

Concen: 19.838 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX046159.D

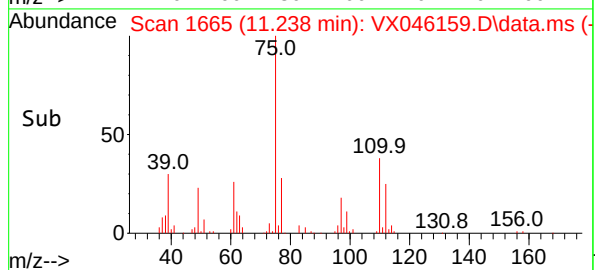
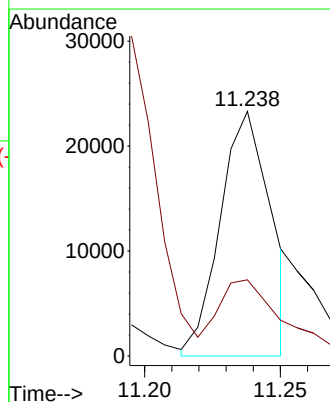
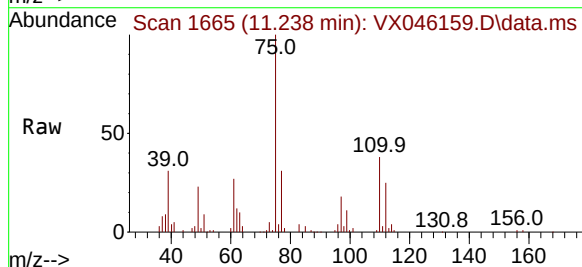
Acq: 13 May 2025 12:28

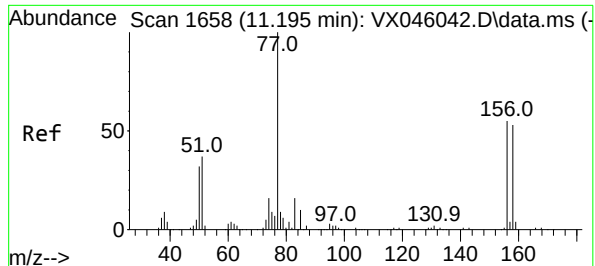
Tgt Ion: 75 Resp: 30000

Ion Ratio Lower Upper

75 100

77 40.5 20.5 61.5





#77

Bromobenzene

Concen: 19.804 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion:156 Resp: 22489

Ion Ratio Lower Upper

156 100

77 180.0 92.8 278.3

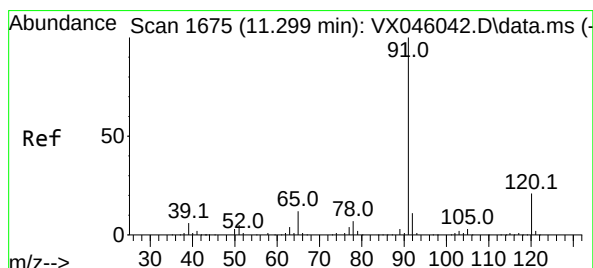
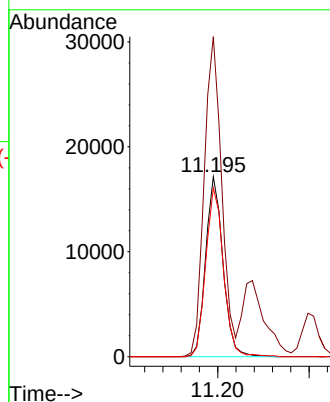
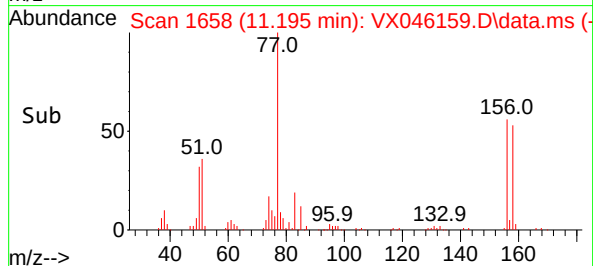
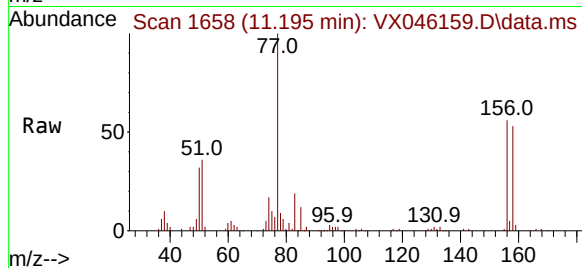
158 96.1 48.8 146.3

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Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#78

n-propylbenzene

Concen: 19.518 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VX046159.D

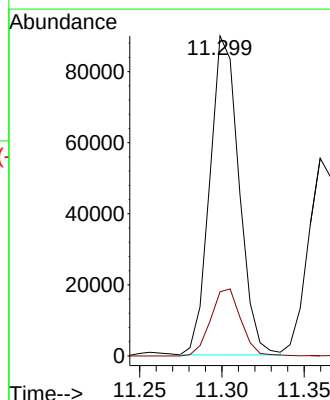
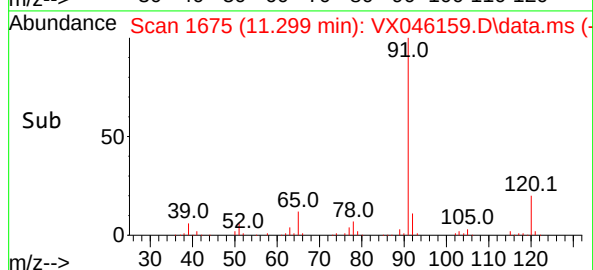
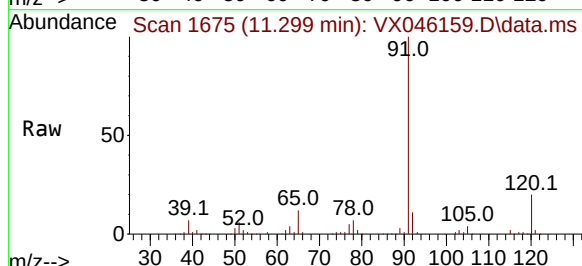
Acq: 13 May 2025 12:28

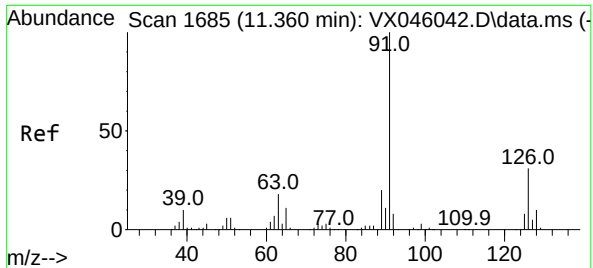
Tgt Ion: 91 Resp: 111007

Ion Ratio Lower Upper

91 100

120 21.9 10.8 32.4





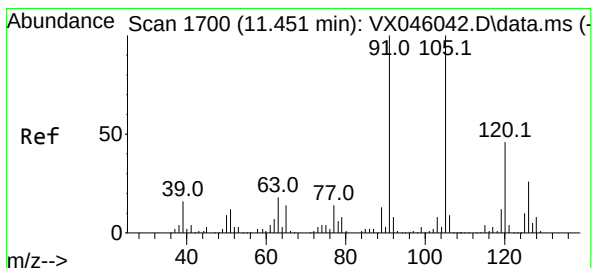
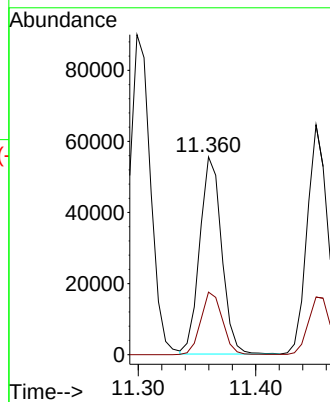
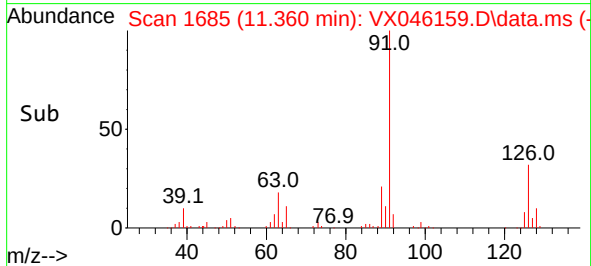
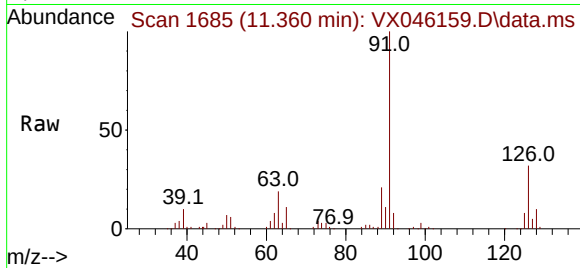
#79
2-Chlorotoluene
Concen: 19.597 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tgt Ion: 91 Resp: 7188
Ion Ratio Lower Upper
91 100
126 31.5 15.6 46.7

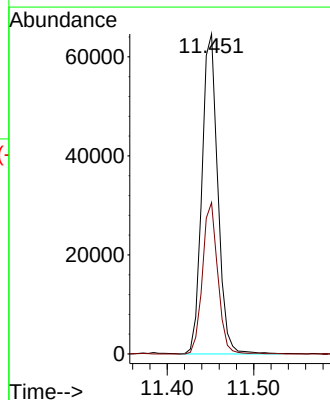
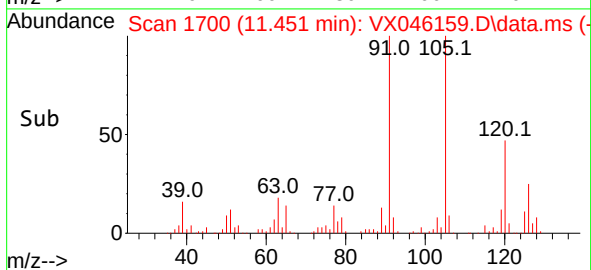
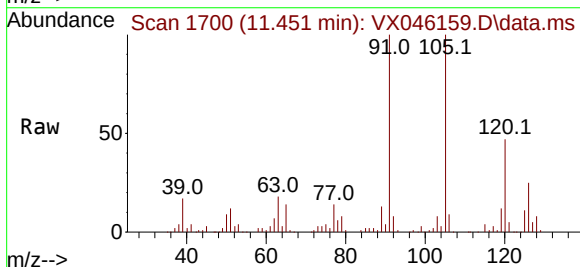
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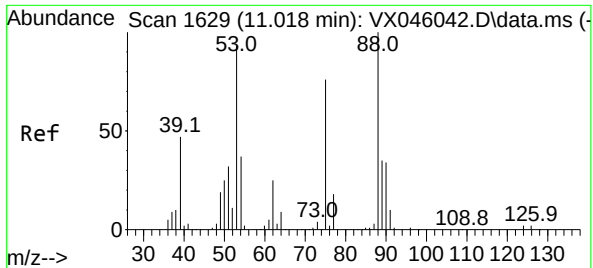
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.126 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Tgt Ion:105 Resp: 82240
Ion Ratio Lower Upper
105 100
120 45.7 23.1 69.2





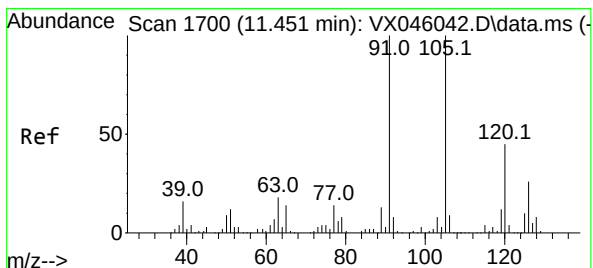
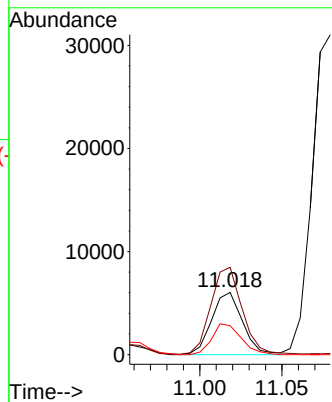
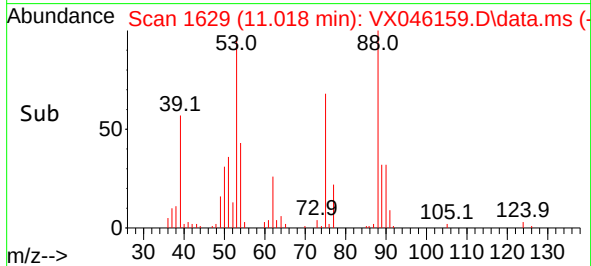
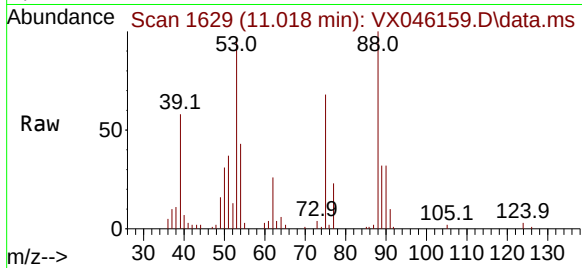
#81
trans-1,4-Dichloro-2-butene
Concen: 16.979 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01

Tgt Ion: 75 Resp: 788
Ion Ratio Lower Upper
75 100
53 140.4 100.5 150.7
89 46.9 37.0 55.6

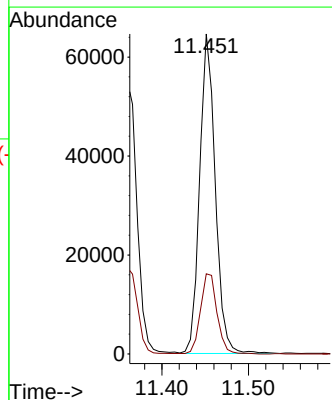
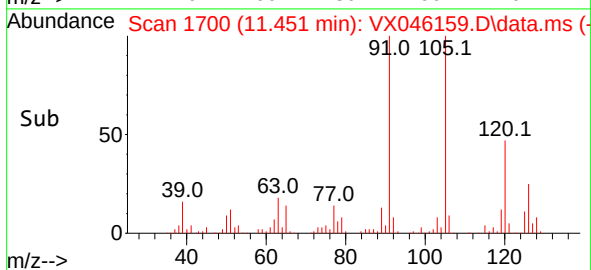
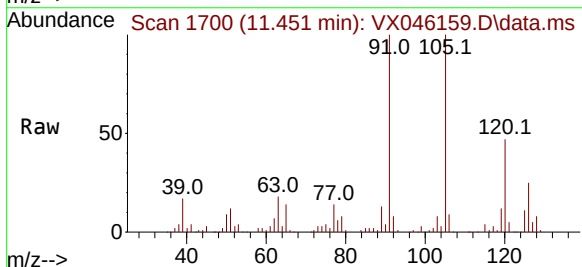
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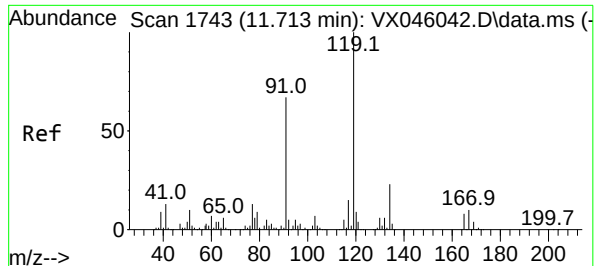
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025



#82
4-Chlorotoluene
Concen: 19.866 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

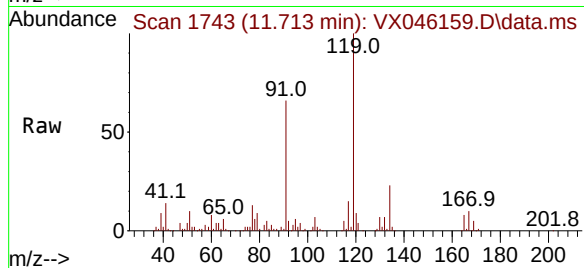
Tgt Ion: 91 Resp: 80816
Ion Ratio Lower Upper
91 100
126 26.6 13.3 39.8





#83
tert-Butylbenzene
Concen: 19.766 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

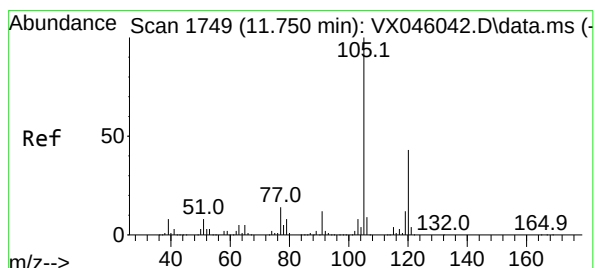
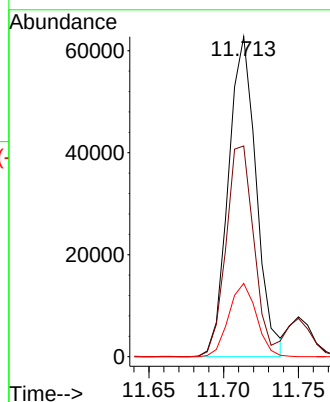
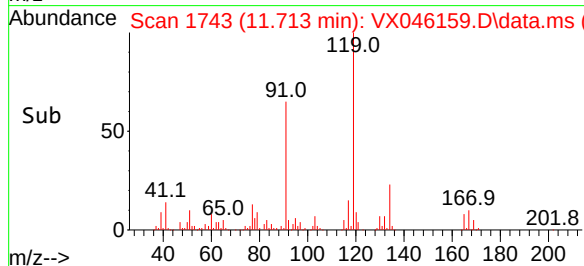
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01



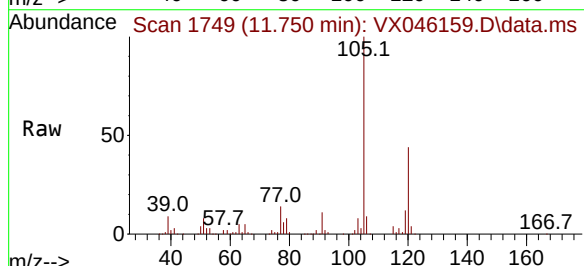
Tgt Ion:119 Resp: 8135
Ion Ratio Lower Upper
119 100
91 65.5 32.9 98.7
134 22.7 11.4 34.1

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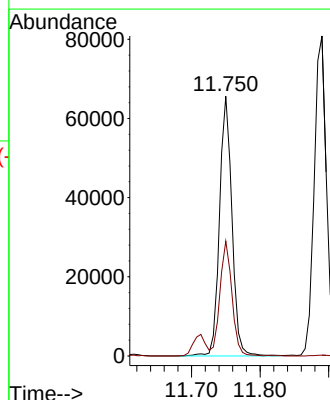
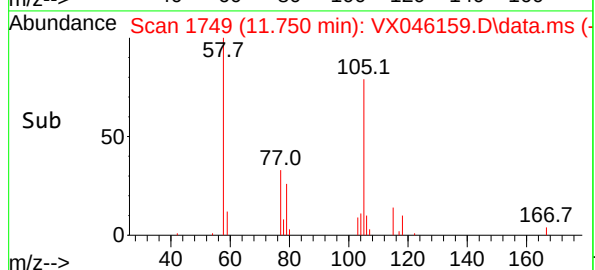
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

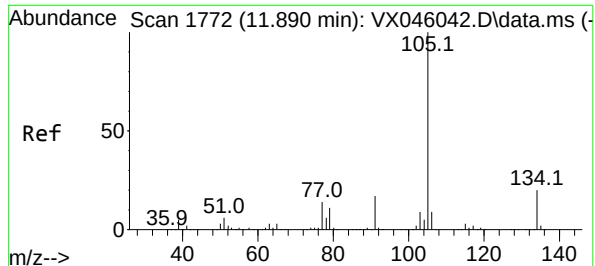


#84
1,2,4-Trimethylbenzene
Concen: 19.954 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28



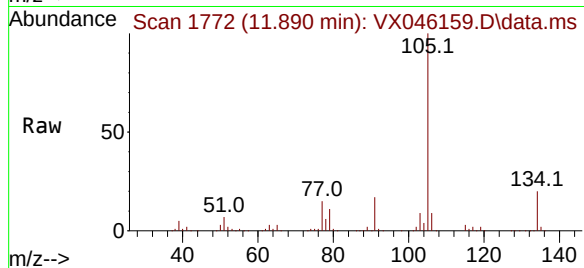
Tgt Ion:105 Resp: 82574
Ion Ratio Lower Upper
105 100
120 42.9 21.2 63.6





#85
 sec-Butylbenzene
 Concen: 19.920 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX046159.D
 Acq: 13 May 2025 12:28

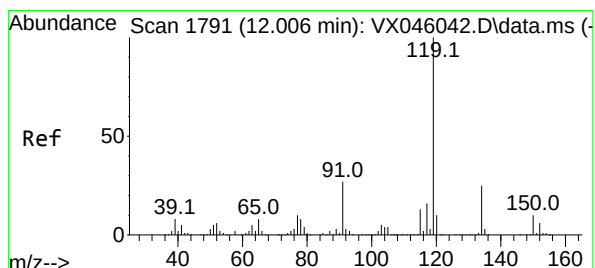
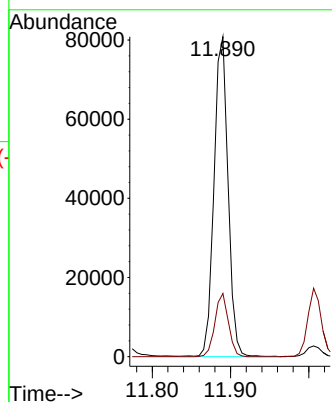
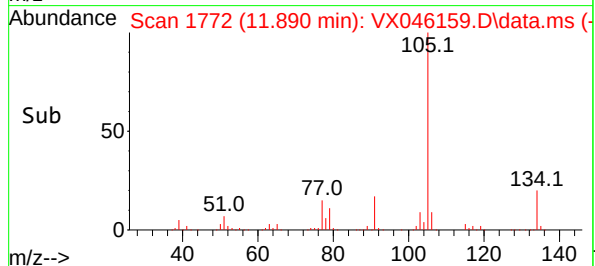
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01



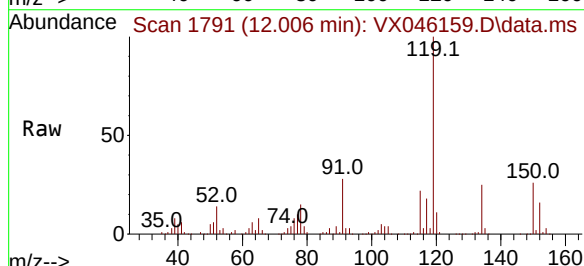
Tgt Ion:105 Resp: 100674
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.7 29.1

Manual Integrations
 APPROVED

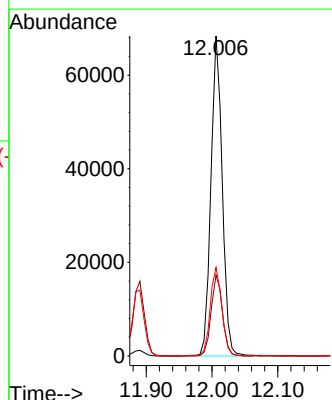
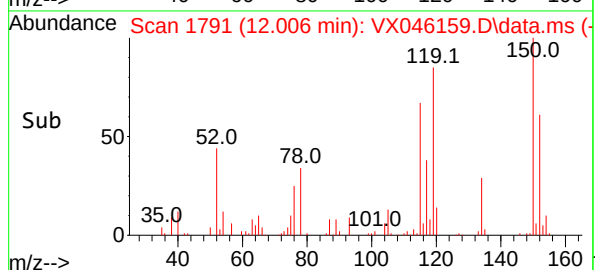
Reviewed By :John Carlone 05/14/2025
 Supervised By :Mahesh Dadoda 05/14/2025

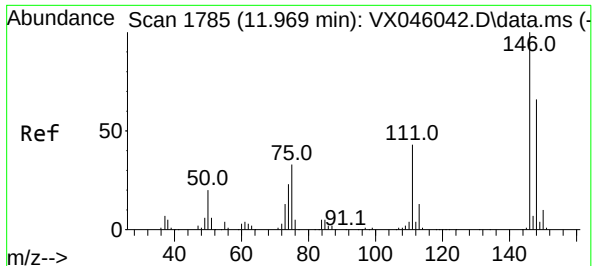


#86
 p-Isopropyltoluene
 Concen: 19.635 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX046159.D
 Acq: 13 May 2025 12:28



Tgt Ion:119 Resp: 81909
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.5 37.5
 91 28.3 13.8 41.4





#87

1,3-Dichlorobenzene

Concen: 19.823 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion:146 Resp: 41082

Ion Ratio Lower Upper

146 100

111 43.2 22.1 66.3

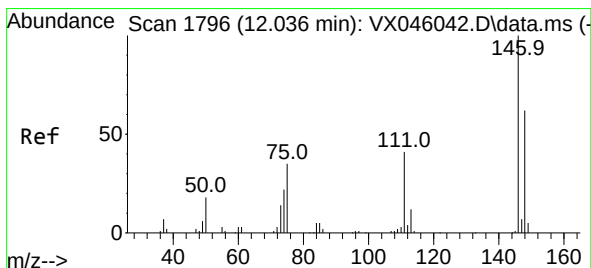
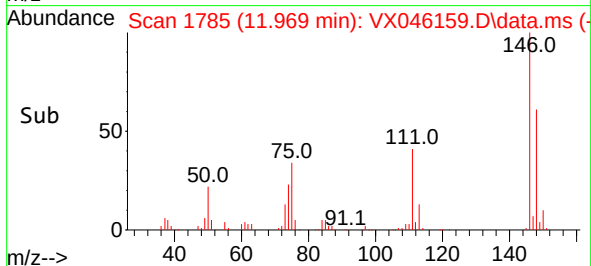
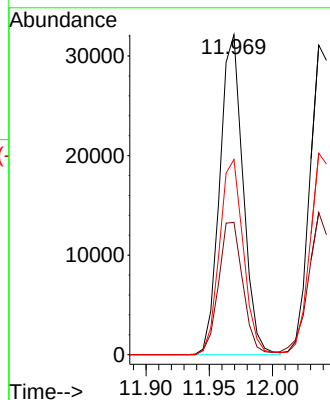
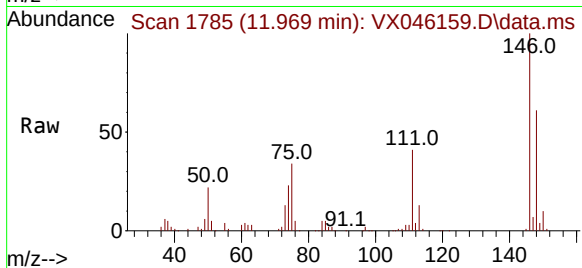
148 62.7 32.1 96.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#88

1,4-Dichlorobenzene

Concen: 19.463 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

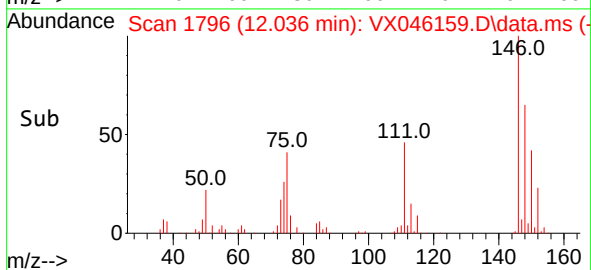
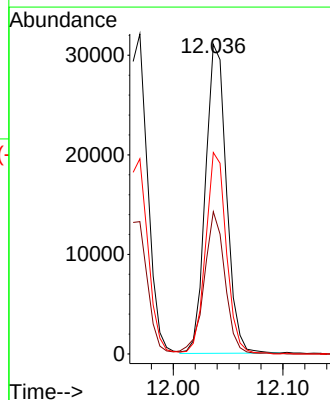
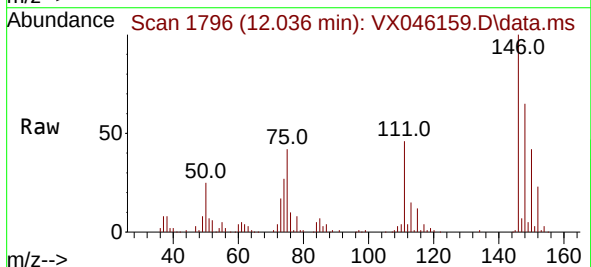
Tgt Ion:146 Resp: 41194

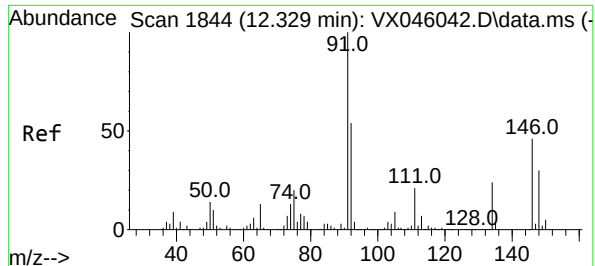
Ion Ratio Lower Upper

146 100

111 46.0 21.3 63.9

148 64.7 31.9 95.5





#89

n-Butylbenzene

Concen: 19.117 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion: 91 Resp: 6995

Ion Ratio Lower Upper

91 100

92 52.5 26.9 80.7

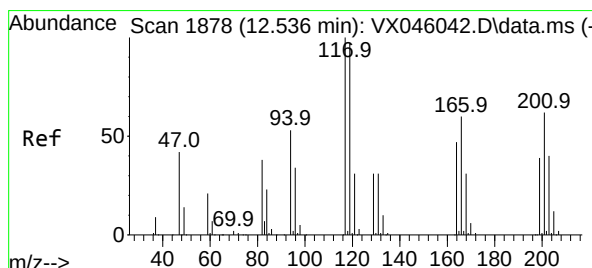
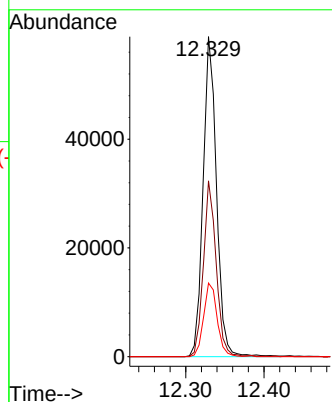
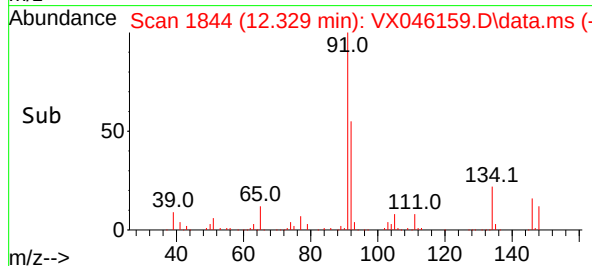
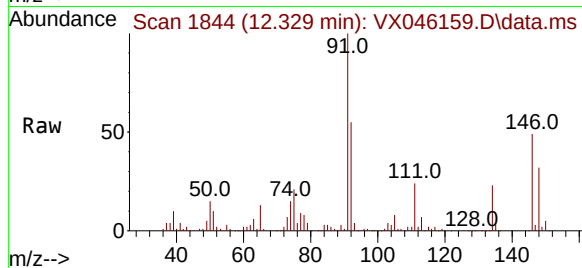
134 23.3 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#90

Hexachloroethane

Concen: 18.875 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX046159.D

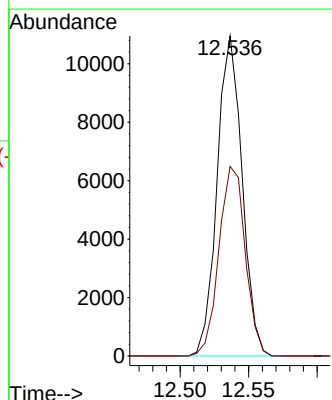
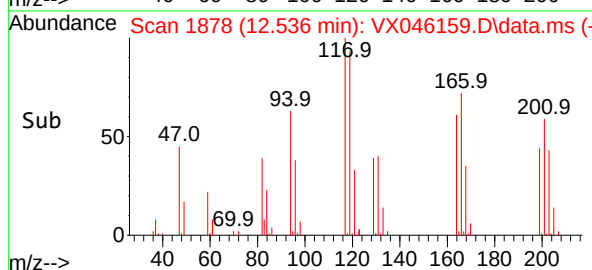
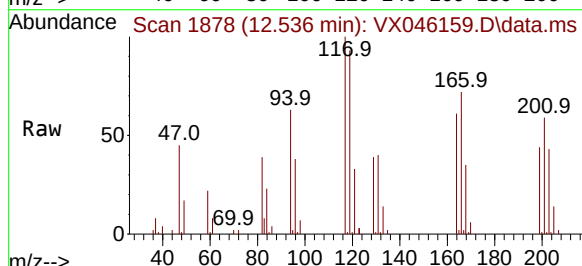
Acq: 13 May 2025 12:28

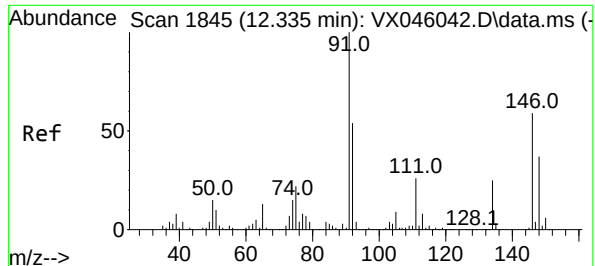
Tgt Ion:117 Resp: 13872

Ion Ratio Lower Upper

117 100

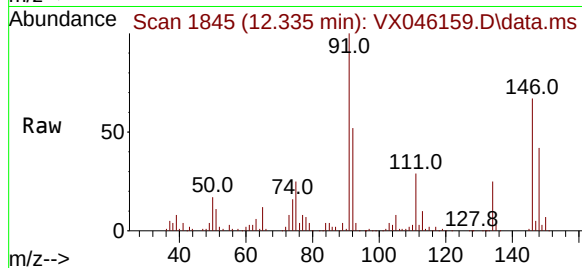
201 62.4 31.6 94.7





#91
1,2-Dichlorobenzene
Concen: 20.061 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28

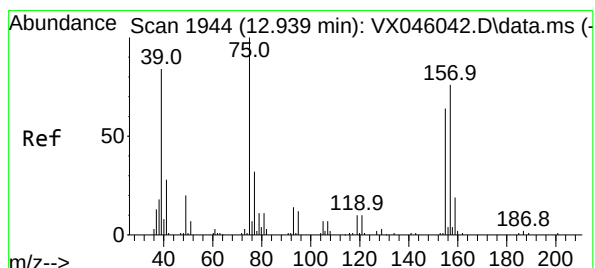
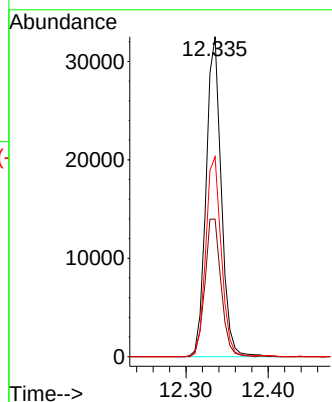
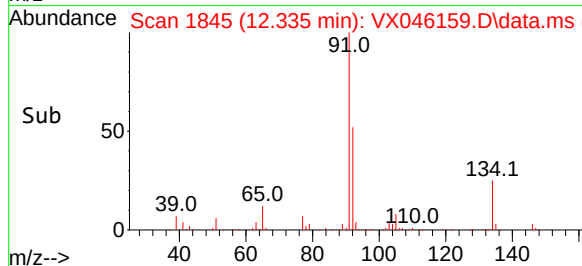
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBSD01



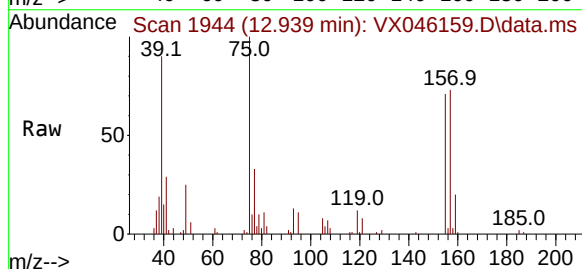
Tgt Ion:146 Resp: 41720
Ion Ratio Lower Upper
146 100
111 45.7 22.4 67.3
148 63.5 31.6 94.8

Manual Integrations
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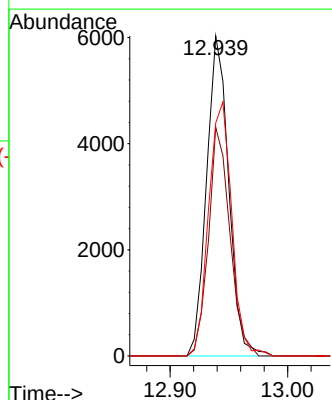
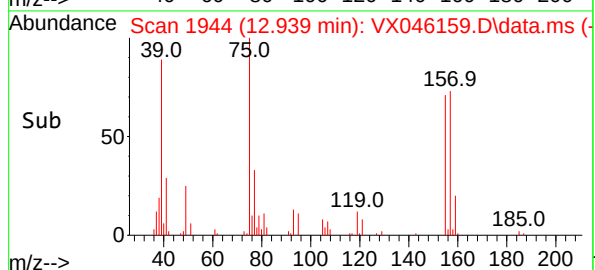
Reviewed By :John Carlone 05/14/2025
Supervised By :Mahesh Dadoda 05/14/2025

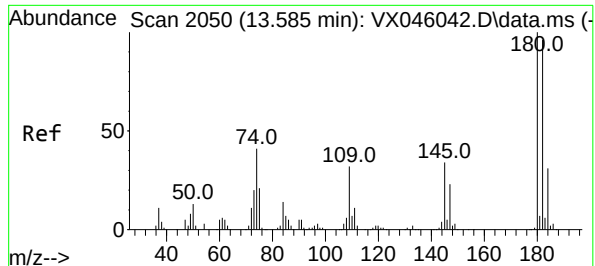


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.697 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046159.D
Acq: 13 May 2025 12:28



Tgt Ion: 75 Resp: 7859
Ion Ratio Lower Upper
75 100
155 69.4 34.9 104.8
157 83.0 43.8 131.4





#93

1,2,4-Trichlorobenzene

Concen: 19.012 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

Tgt Ion:180 Resp: 22710

Ion Ratio Lower Upper

180 100

182 95.6 47.9 143.8

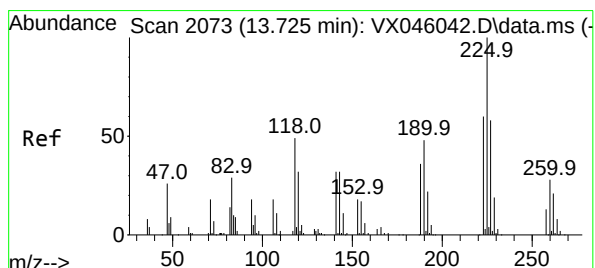
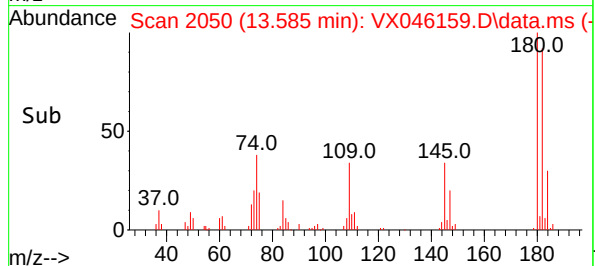
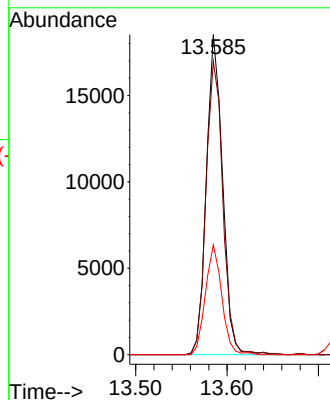
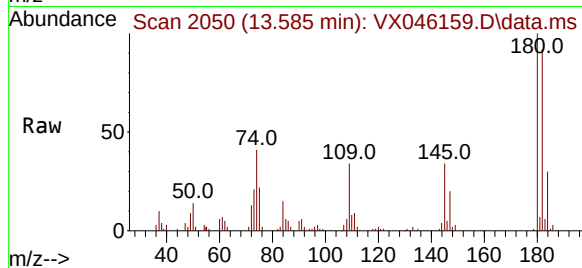
145 34.8 17.1 51.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#94

Hexachlorobutadiene

Concen: 19.240 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

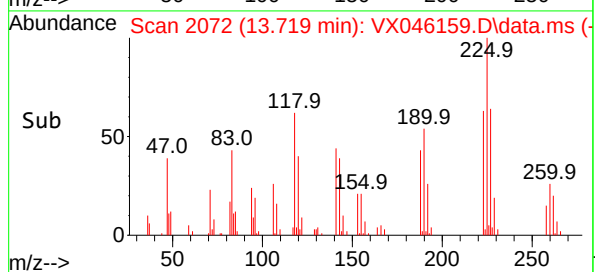
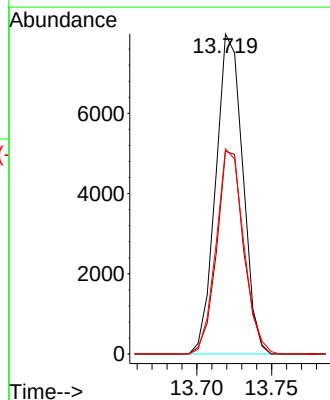
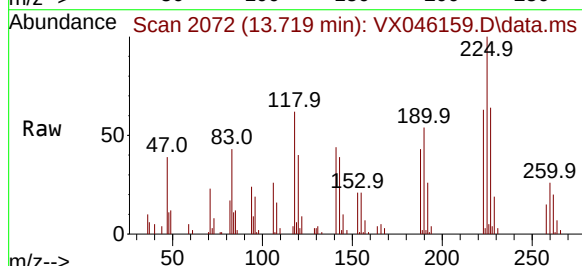
Tgt Ion:225 Resp: 10037

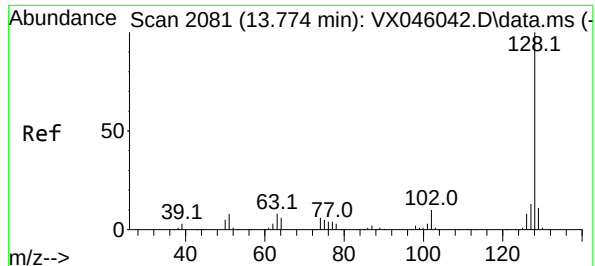
Ion Ratio Lower Upper

225 100

223 63.0 30.8 92.4

227 65.2 30.9 92.7





#95

Naphthalene

Concen: 19.023 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX0513WBSD01

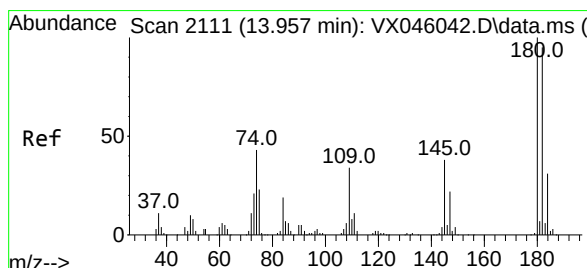
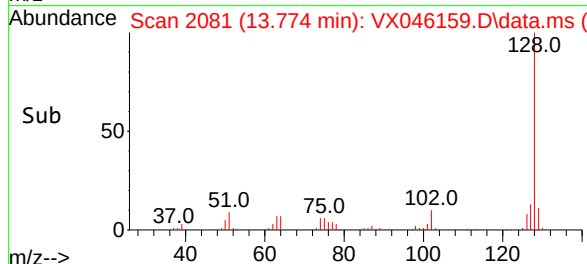
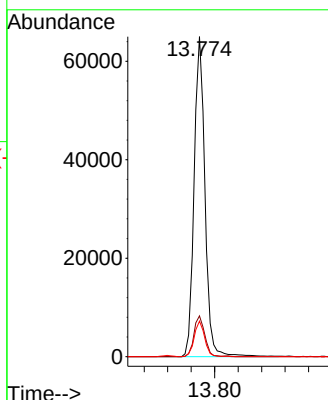
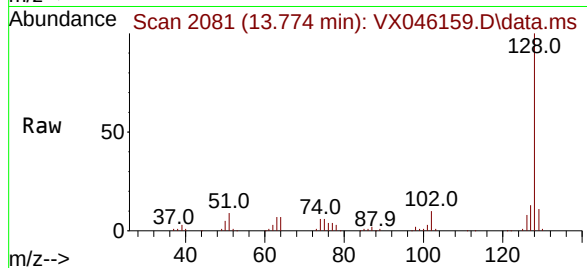
Tgt Ion:	128	Resp:	83339
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/14/2025

Supervised By :Mahesh Dadoda 05/14/2025



#96

1,2,3-Trichlorobenzene

Concen: 19.005 ug/l

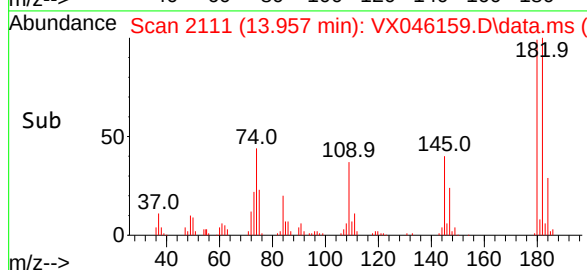
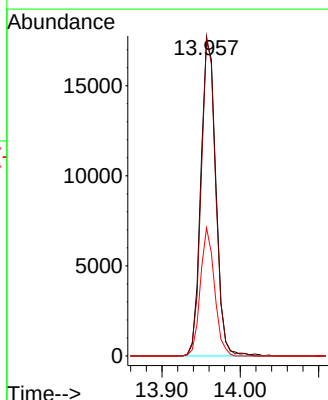
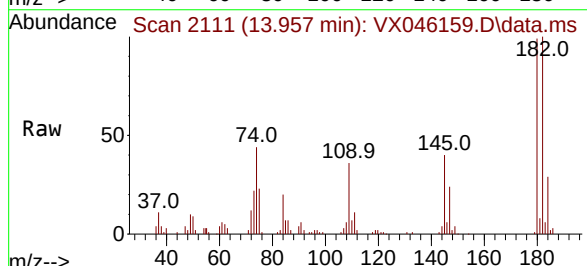
RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX046159.D

Acq: 13 May 2025 12:28

Tgt Ion:	180	Resp:	23424
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.8	143.3
145	38.0	18.1	54.3



Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX046041.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:13 AM	MMDadoda	5/6/2025 12:42:46 PM	Peak Integrated by Software
VSTDICCC050	VX046042.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:18 AM	MMDadoda	5/6/2025 12:42:48 PM	Peak Integrated by Software
VSTDICC100	VX046043.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:22 AM	MMDadoda	5/6/2025 12:42:50 PM	Peak Integrated by Software
VSTDICC150	VX046044.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:27 AM	MMDadoda	5/6/2025 12:42:53 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	Ethyl Acetate	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,4-Dichlorobenzene	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Bromochloromethane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Ethyl Acetate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Methyl methacrylate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICV050	VX046048.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:45 AM	MMDadoda	5/6/2025 12:41:37 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VX050525

Instrument

MSVOA_x

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

VX051325

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046153.D	1,2,3-Trichloropropane	JOHN	5/14/2025 9:49:44 AM	MMDadoda	5/14/2025 12:35:41 PM	Peak Integrated by Software
VX0513WBS01	VX046158.D	1,2,3-Trichloropropane	JOHN	5/14/2025 9:49:49 AM	MMDadoda	5/14/2025 12:35:43 PM	Peak Integrated by Software
VX0513WBSD0 1	VX046159.D	1,2,3-Trichloropropane	JOHN	5/14/2025 9:49:53 AM	MMDadoda	5/14/2025 12:35:44 PM	Peak Integrated by Software
VSTDCCC050	VX046179.D	1,2,3-Trichloropropane	JOHN	5/14/2025 9:50:11 AM	MMDadoda	5/14/2025 12:35:46 PM	Peak Integrated by Software



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Manual Integration Report

Sequence:

VX051425

Instrument

MSVOA_x

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM
Supervise By	Maresh Dadoda	Supervise On	5/6/2025 12:43:00 PM
SubDirectory	VX050525	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133811		
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP133838		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046038.D	05 May 2025 09:37	JC/MD	Ok
2	VSTDIC001	VX046039.D	05 May 2025 10:49	JC/MD	Not Ok
3	VSTDIC005	VX046040.D	05 May 2025 11:12	JC/MD	Not Ok
4	VSTDIC020	VX046041.D	05 May 2025 11:35	JC/MD	Ok,M
5	VSTDIC050	VX046042.D	05 May 2025 11:58	JC/MD	Ok,M
6	VSTDIC100	VX046043.D	05 May 2025 12:21	JC/MD	Ok,M
7	VSTDIC150	VX046044.D	05 May 2025 12:45	JC/MD	Ok,M
8	IBLK	VX046045.D	05 May 2025 13:08	JC/MD	Ok
9	VSTDIC005	VX046046.D	05 May 2025 16:04	JC/MD	Ok,M
10	VSTDIC001	VX046047.D	05 May 2025 16:27	JC/MD	Ok,M
11	VSTDICV050	VX046048.D	05 May 2025 16:50	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX051325

Review By	John Carlone	Review On	5/14/2025 9:56:56 AM
Supervise By	Maresh Dadoda	Supervise On	5/14/2025 12:35:50 PM
SubDirectory	VX051325	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133901		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133902,VP133903		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046152.D	13 May 2025 09:29	JC/MD	Ok
2	VSTDCCC050	VX046153.D	13 May 2025 10:00	JC/MD	Ok,M
3	VX0513MBL01	VX046154.D	13 May 2025 10:29	JC/MD	Ok
4	VX0513WBL01	VX046155.D	13 May 2025 10:52	JC/MD	Ok
5	Q1993-08	VX046156.D	13 May 2025 11:16	JC/MD	Ok
6	Q1993-09	VX046157.D	13 May 2025 11:39	JC/MD	Ok
7	VX0513WBS01	VX046158.D	13 May 2025 12:02	JC/MD	Ok,M
8	VX0513WBSD01	VX046159.D	13 May 2025 12:28	JC/MD	Ok,M
9	Q2013-02	VX046160.D	13 May 2025 12:51	JC/MD	Ok
10	Q2013-03	VX046161.D	13 May 2025 13:15	JC/MD	Ok
11	Q2013-01	VX046162.D	13 May 2025 13:38	JC/MD	Ok
12	Q2001-01	VX046163.D	13 May 2025 14:01	JC/MD	Ok
13	Q2001-05	VX046164.D	13 May 2025 14:25	JC/MD	Dilution
14	Q2001-09	VX046165.D	13 May 2025 14:48	JC/MD	Dilution
15	Q2001-13	VX046166.D	13 May 2025 15:11	JC/MD	Dilution
16	IBLK	VX046167.D	13 May 2025 15:35	JC/MD	Ok
17	IBLK	VX046168.D	13 May 2025 15:58	JC/MD	Ok
18	Q2007-18	VX046169.D	13 May 2025 16:22	JC/MD	Ok
19	Q2007-24	VX046170.D	13 May 2025 16:45	JC/MD	Ok
20	Q2007-30	VX046171.D	13 May 2025 17:08	JC/MD	Ok
21	Q2007-36	VX046172.D	13 May 2025 17:32	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX051325

Review By	John Carlone	Review On	5/14/2025 9:56:56 AM
Supervise By	Maresh Dadoda	Supervise On	5/14/2025 12:35:50 PM
SubDirectory	VX051325	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133901		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133902,VP133903		

22	Q2017-04	VX046173.D	13 May 2025 17:55	JC/MD	Ok
23	Q2017-08	VX046174.D	13 May 2025 18:18	JC/MD	Ok
24	Q2007-06	VX046175.D	13 May 2025 18:42	JC/MD	Ok
25	Q2007-12	VX046176.D	13 May 2025 19:05	JC/MD	Ok
26	Q2018-04	VX046177.D	13 May 2025 19:28	JC/MD	Dilution
27	Q2018-05	VX046178.D	13 May 2025 19:52	JC/MD	Ok
28	VSTDCCC050	VX046179.D	13 May 2025 20:15	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX051425

Review By		Review On	
Supervise By		Supervise On	
SubDirectory	VX051425	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133910		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133911,VP133912		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046180.D	14 May 2025 09:29	JC/MD	Ok
2	VSTDCCC050	VX046181.D	14 May 2025 09:59	JC/MD	Ok,NR
3	VX0514MBL01	VX046182.D	14 May 2025 10:27	JC/MD	Ok
4	VX0514WBL01	VX046183.D	14 May 2025 10:50	JC/MD	Ok
5	Q1956-09	VX046184.D	14 May 2025 11:13	JC/MD	Ok
6	Q2018-06	VX046185.D	14 May 2025 11:37	JC/MD	ReRun
7	Q2032-11	VX046186.D	14 May 2025 12:00	JC/MD	ReRun
8	Q2032-12	VX046187.D	14 May 2025 12:23	JC/MD	ReRun
9	VX0514WBS01	VX046188.D	14 May 2025 12:46	JC/MD	Ok,NR
10	VX0514WBSD01	VX046189.D	14 May 2025 13:12	JC/MD	Ok,NR
11	Q2001-05DL	VX046190.D	14 May 2025 13:35	JC/MD	Ok
12	Q2001-09DL	VX046191.D	14 May 2025 13:59	JC/MD	Ok
13	Q2001-13DL	VX046192.D	14 May 2025 14:22	JC/MD	Ok
14	Q2018-04DL	VX046193.D	14 May 2025 14:45	JC/MD	Ok
15	IBLK	VX046194.D	14 May 2025 15:09	JC/MD	Ok
16	Q2033-01	VX046195.D	14 May 2025 15:32	JC/MD	Ok
17	IBLK	VX046196.D	14 May 2025 15:55	JC/MD	Ok
18	Q2043-05	VX046197.D	14 May 2025 16:19	JC/MD	Not Ok
19	VSTDCCC050	VX046198.D	14 May 2025 16:42	JC/MD	Ok,NR

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM
SubDirectory	VX050525	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133811		
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP133838		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046038.D	05 May 2025 09:37		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX046039.D	05 May 2025 10:49	Not used	JC/MD	Not Ok
3	VSTDIC005	VSTDIC005	VX046040.D	05 May 2025 11:12	Not used	JC/MD	Not Ok
4	VSTDIC020	VSTDIC020	VX046041.D	05 May 2025 11:35		JC/MD	Ok,M
5	VSTDIC050	VSTDIC050	VX046042.D	05 May 2025 11:58		JC/MD	Ok,M
6	VSTDIC100	VSTDIC100	VX046043.D	05 May 2025 12:21		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX046044.D	05 May 2025 12:45		JC/MD	Ok,M
8	IBLK	IBLK	VX046045.D	05 May 2025 13:08		JC/MD	Ok
9	VSTDIC005	VSTDIC005	VX046046.D	05 May 2025 16:04		JC/MD	Ok,M
10	VSTDIC001	VSTDIC001	VX046047.D	05 May 2025 16:27		JC/MD	Ok,M
11	VSTDICV050	ICVVX050525	VX046048.D	05 May 2025 16:50		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX051325

Review By	John Carlone	Review On	5/14/2025 9:56:56 AM
Supervise By	Maresh Dadoda	Supervise On	5/14/2025 12:35:50 PM
SubDirectory	VX051325	HP Acquire Method	HP Processing Method 82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133901
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133902,VP133903

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046152.D	13 May 2025 09:29		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046153.D	13 May 2025 10:00	pH#Lot#V12668	JC/MD	Ok,M
3	VX0513MBL01	VX0513MBL01	VX046154.D	13 May 2025 10:29		JC/MD	Ok
4	VX0513WBL01	VX0513WBL01	VX046155.D	13 May 2025 10:52		JC/MD	Ok
5	Q1993-08	EB-20250508	VX046156.D	13 May 2025 11:16	vial B pH<2 EB	JC/MD	Ok
6	Q1993-09	TB	VX046157.D	13 May 2025 11:39	vial B pH<2 TB	JC/MD	Ok
7	VX0513WBS01	VX0513WBS01	VX046158.D	13 May 2025 12:02		JC/MD	Ok,M
8	VX0513WBSD01	VX0513WBSD01	VX046159.D	13 May 2025 12:28		JC/MD	Ok,M
9	Q2013-02	BP-TT192D2-GW-2025	VX046160.D	13 May 2025 12:51	vial A pH<2	JC/MD	Ok
10	Q2013-03	BP-TT192D1-GW-2025	VX046161.D	13 May 2025 13:15	vial A pH<2	JC/MD	Ok
11	Q2013-01	BP-TB-20250508	VX046162.D	13 May 2025 13:38	vial A pH<2	JC/MD	Ok
12	Q2001-01	WC-A4-03-G	VX046163.D	13 May 2025 14:01	vial A pH#5.0	JC/MD	Ok
13	Q2001-05	WC-A1-05-G	VX046164.D	13 May 2025 14:25	vial A pH#5.0 Need 10X	JC/MD	Dilution
14	Q2001-09	WC-A1-06-G	VX046165.D	13 May 2025 14:48	vial A pH#5.0 Need 20X	JC/MD	Dilution
15	Q2001-13	WC-A1-07-G	VX046166.D	13 May 2025 15:11	vial A pH#5.0 Surrogate Fail;Need 40X	JC/MD	Dilution
16	IBLK	IBLK	VX046167.D	13 May 2025 15:35		JC/MD	Ok
17	IBLK	IBLK	VX046168.D	13 May 2025 15:58		JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX051325

Review By	John Carlone	Review On	5/14/2025 9:56:56 AM
Supervise By	Maresh Dadoda	Supervise On	5/14/2025 12:35:50 PM
SubDirectory	VX051325	HP Acquire Method	HP Processing Method 82X050525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133901		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133902,VP133903		

18	Q2007-18	OR-636-COMP-12	VX046169.D	13 May 2025 16:22	vial A pH#5.0	JC/MD	Ok
19	Q2007-24	OR-636-COMP-13	VX046170.D	13 May 2025 16:45	vial A pH#5.0	JC/MD	Ok
20	Q2007-30	OR-636-COMP-14	VX046171.D	13 May 2025 17:08	vial A pH#5.0	JC/MD	Ok
21	Q2007-36	OR-636-COMP-15	VX046172.D	13 May 2025 17:32	vial A pH#5.0	JC/MD	Ok
22	Q2017-04	MH-I	VX046173.D	13 May 2025 17:55	vial A pH#5.0	JC/MD	Ok
23	Q2017-08	MH-J	VX046174.D	13 May 2025 18:18	vial A pH#5.0	JC/MD	Ok
24	Q2007-06	OR-636-COMP-10	VX046175.D	13 May 2025 18:42	vial A pH#5.0	JC/MD	Ok
25	Q2007-12	OR-636-COMP-11	VX046176.D	13 May 2025 19:05	vial A pH#5.0	JC/MD	Ok
26	Q2018-04	MW2	VX046177.D	13 May 2025 19:28	vial A pH<2 Need 40X	JC/MD	Dilution
27	Q2018-05	MW3	VX046178.D	13 May 2025 19:52	vial A pH<2	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX046179.D	13 May 2025 20:15		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX051425

Review By	Review On
Supervise By	Supervise On
SubDirectory	VX051425
HP Acquire Method	HP Processing Method
	82X050525W.M
STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133910
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133911,VP133912

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046180.D	14 May 2025 09:29		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046181.D	14 May 2025 09:59		JC/MD	Ok,NR
3	VX0514MBL01	VX0514MBL01	VX046182.D	14 May 2025 10:27		JC/MD	Ok
4	VX0514WBL01	VX0514WBL01	VX046183.D	14 May 2025 10:50		JC/MD	Ok
5	Q1956-09	TB	VX046184.D	14 May 2025 11:13	TB	JC/MD	Ok
6	Q2018-06	FB	VX046185.D	14 May 2025 11:37	FB;Contamination of tics	JC/MD	ReRun
7	Q2032-11	FB-05132025	VX046186.D	14 May 2025 12:00	FB;Contamination of tics	JC/MD	ReRun
8	Q2032-12	TB	VX046187.D	14 May 2025 12:23	TB;Contamination of tics	JC/MD	ReRun
9	VX0514WBS01	VX0514WBS01	VX046188.D	14 May 2025 12:46		JC/MD	Ok,NR
10	VX0514WBSD01	VX0514WBSD01	VX046189.D	14 May 2025 13:12		JC/MD	Ok,NR
11	Q2001-05DL	WC-A1-05-GDL	VX046190.D	14 May 2025 13:35		JC/MD	Ok
12	Q2001-09DL	WC-A1-06-GDL	VX046191.D	14 May 2025 13:59		JC/MD	Ok
13	Q2001-13DL	WC-A1-07-GDL	VX046192.D	14 May 2025 14:22		JC/MD	Ok
14	Q2018-04DL	MW2DL	VX046193.D	14 May 2025 14:45		JC/MD	Ok
15	IBLK	IBLK	VX046194.D	14 May 2025 15:09		JC/MD	Ok
16	Q2033-01	TW-WTS-08	VX046195.D	14 May 2025 15:32		JC/MD	Ok
17	IBLK	IBLK	VX046196.D	14 May 2025 15:55		JC/MD	Ok
18	Q2043-05	3139	VX046197.D	14 May 2025 16:19	Need Straight Run	JC/MD	Not Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX051425

Review By		Review On							
Supervise By		Supervise On							
SubDirectory		VX051425		HP Acquire Method		HP Processing Method		82X050525W.M	
STD. NAME		STD REF.#							
Tune/Reschk Initial Calibration Stds		VP133910							
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP133911,VP133912							

19	VSTDCCC050	VSTDCCC050EC	VX046198.D	14 May 2025 16:42		JC/MD	Ok,NR

M : Manual Integration

SOP ID : M1311-TCLP-15
SDG No : N/A
Weigh By : JP
Balance ID : WC SC-7
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pipette ID : WC
Tumbler ID : ZHE-1 / ZHE-2
TCLP Filter ID : 50223706

Start Prep Date : 05/12/2025 **Time :** 15:00

End Prep Date : 05/13/2025 **Time :** 09:15

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ ^{JP} VV051325

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standard Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112795
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	430992	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE SAMPLES ARE extracted and given as vial A & B. Leak checked after 10 minutes of tumbling. TUMBLER ZHE-1 /ZHE-2 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/13/25 11:00	<u>JP</u> <u>1100 Room</u>	<u>S.Y</u> <u>100C</u>
	Preparation Group	Analysis Group <u>LCH</u>

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167964TB	LEB964	13	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-2
Q2001-01	WC-A4-03-G	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2001-05	WC-A1-05-G	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2001-09	WC-A1-06-G	03	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2001-13	WC-A1-07-G	04	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2007-06	OR-636-COMP-10	05	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2007-12	OR-636-COMP-11	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2007-18	OR-636-COMP-12	07	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2007-24	OR-636-COMP-13	08	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2007-30	OR-636-COMP-14	09	25.05	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2007-36	OR-636-COMP-15	10	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2017-04	MH-I	11	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2017-08	MH-J	12	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167964TB	LEB964	N/A	N/A	N/A	N/A	N/A	N/A
Q2001-01	WC-A4-03-G	N/A	N/A	N/A	N/A	100	N/A
Q2001-05	WC-A1-05-G	N/A	N/A	N/A	N/A	100	N/A
Q2001-09	WC-A1-06-G	N/A	N/A	N/A	N/A	100	N/A
Q2001-13	WC-A1-07-G	N/A	N/A	N/A	N/A	100	N/A
Q2007-06	OR-636-COMP-10	N/A	N/A	N/A	N/A	100	N/A
Q2007-12	OR-636-COMP-11	N/A	N/A	N/A	N/A	100	N/A
Q2007-18	OR-636-COMP-12	N/A	N/A	N/A	N/A	100	N/A
Q2007-24	OR-636-COMP-13	N/A	N/A	N/A	N/A	100	N/A
Q2007-30	OR-636-COMP-14	N/A	N/A	N/A	N/A	100	N/A
Q2007-36	OR-636-COMP-15	N/A	N/A	N/A	N/A	100	N/A
Q2017-04	MH-I	N/A	N/A	N/A	N/A	100	N/A
Q2017-08	MH-J	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q2001

WorkList ID : 189460

Department : TCLP Extraction

Date : 05-12-2025 12:58:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2001-01	WC-A4-03-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L61	05/06/2025	1311 ZHE
Q2001-03	WC-A4-03-C	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L61	05/06/2025	1311 ZHE
Q2001-05	WC-A1-05-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L61	05/07/2025	1311 ZHE
Q2001-07	WC-A1-05-C	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L61	05/07/2025	1311 ZHE
Q2001-09	WC-A1-06-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L61	05/08/2025	1311 ZHE
Q2001-11	WC-A1-06-C	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L61	05/08/2025	1311 ZHE
Q2001-13	WC-A1-07-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L61	05/08/2025	1311 ZHE
Q2001-15	WC-A1-07-C	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L61	05/08/2025	1311 ZHE
Q2007-06	OR-636-COMP-10	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/09/2025	1311 ZHE
Q2007-12	OR-636-COMP-11	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/09/2025	1311 ZHE
Q2007-18	OR-636-COMP-12	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/09/2025	1311 ZHE
Q2007-24	OR-636-COMP-13	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/09/2025	1311 ZHE
Q2007-30	OR-636-COMP-14	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/09/2025	1311 ZHE
Q2007-36	OR-636-COMP-15	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/09/2025	1311 ZHE
Q2017-04	MH-I	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/12/2025	1311 ZHE
Q2017-08	MH-J	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/12/2025	1311 ZHE

05/12/25 13:15

Date/Time

Raw Sample Received by: SAW

Raw Sample Relinquished by: SAW

Date/Time 05/12/25

Raw Sample Received by: SAW

Raw Sample Relinquished by: SAW

17:30



SHIPPING DOCUMENTS



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CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q2001

COC Number: 2042113

Page 2 of 2

CLIENT INFORMATION			PROJECT INFORMATION					BILLING INFORMATION													
COMPANY: ENTACT, LLC			PROJECT NAME: 540 Degraw St Brooklyn, NY					BILL TO: ENTACT, LLC PO# E9309													
ADDRESS: 150 Bay Street, Suite 806			PROJECT #: E9309 LOCATION: Brooklyn, NY					ADDRESS: 999 Oakmont Plaza Drive, Suite 300													
CITY: Jersey City STATE: NJ ZIP: 07302			PROJECT MANAGER: Austin Farmerie					CITY: Westmont STATE: IL ZIP: 60559													
ATTENTION: Austin Farmerie			E-MAIL: afarmerie@entact.com					ATTENTION: Wendy Murray PHONE: 800-936-8228													
PHONE: 412-716-1366 FAX:			PHONE: 412-716-1366 FAX:																		
DATA TURNAROUND INFORMATION			DATA DELIVERABLE INFORMATION					ANALYSIS													
FAX: 3 DAYS*			☐ RESEULTS ONLY ☐ USEPA CLP					ASTM COD ASTM Ammonia Nitrogen ASTM O&G ASTM TS TS, TVS pH Paint Filter													
HARD COPY: 3 DAYS*			☐ RESULTS + QC ☐ New York State ASP "B"																		
EDD: 3 DAYS*			☐ New Jersey REDUCED ☐ New York State ASP "A"																		
* TO BE APPROVED BY ALLIANCE			☐ New Jersey CLP ☐ Other																		
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS			☐ EDD Format																		
CHEMTECH SAMPLE ID			PROJECT SAMPLE IDENTIFICATION			SAMPLE MATRIX		SAMPLE TYPE		SAMPLE COLLECTION		PRESERVATIVES		COMMENTS							
								COMP GRAB		DATE TIME		# of Bottles		E E E E E E E		1 2 3 4 5 6 7 8 9					
1.			WC-A4-03-G			Soil				X 5/6 12:00		1									
2.			WC-A4-03-C			Soil		X		5/6 12:00		11		X X X X X X X							
3.			WC-A1-05-G			Soil				X 5/7 12:00		1									
4.			WC-A1-05-C			Soil		X		5/7 12:00		11		X X X X X X X							
5.			WC-A1-06-G			Soil				X 5/8 12:00		1									
6.			WC-A1-06-C			Soil		X		5/8 12:00		11		X X X X X X X							
7.			WC-A1-07-G			Soil				X 5/8 12:00		1									
8.			WC-A1-07-C			Soil		X		5/8 12:00		11		X X X X X X X							
9.																					
10.																					
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY																					
RELINQUISHED BY SAMPLER			DATE/TIME			RECEIVED BY			Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.8°C												
1. Austin Farmerie						1. [Signature]			Comments: Temp 3.8°C Adjustment factor +10 IR Gun #1.												
RELINQUISHED BY			DATE/TIME			RECEIVED BY															
2.						2.															
RELINQUISHED BY			DATE/TIME			RECEIVED FOR LAB BY			SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight												
3. [Signature]			5-9-25			3.			ALLIANCE: ☐ Picked Up ☐ Overnight												
Page _____ of _____																					
SHIPMENT COMPLETE ☐ YES ☐ NO																					
WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY																					



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Alliance Project Number:

Q2001

COC Number: 2042113

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CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY: Jersey City STATE: NJ ZIP: 07302

ATTENTION: Austin Farmerie

PHONE: 412-716-1366

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309 LOCATION: Brooklyn, NY

PROJECT MANAGER: Austin Farmerie

E-MAIL: afarmerie@entact.com

PHONE: 412-716-1366

FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

ANALYSIS

TCLP VOCs	TCLP ICP Metals + Cu, Ni, Zn	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH	I/C/R	PCBs	Oil & Grease
1	2	3	4	5	6	7	8	9

DATA TURNAROUND INFORMATION

FAX: _____ 3 _____ DAYS*
HARD COPY: _____ DAYS*
EDD _____ 3 _____ DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E	
1.	WC-A4-03-G	Soil		X	5/6	12:00	1	X									
2.	WC-A4-03-C	Soil	X		5/6	12:00	11		X	X	X	X	X	X	X	X	
3.	WC-A1-05-G	Soil		X	5/7	12:00	1	X									
4.	WC-A1-05-C	Soil	X		5/7	12:00	11		X	X	X	X	X	X	X	X	
5.	WC-A1-06-G	Soil		X	5/8	12:00	1	X									
6.	WC-A1-06-C	Soil	X		5/8	12:00	11		X	X	X	X	X	X	X	X	
7.	WC-A1-07-G	Soil		X	5/8	12:00	1	X									
8.	WC-A1-07-C	Soil	X		5/8	12:00	11		X	X	X	X	X	X	X	X	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 5/9 12:00	RECEIVED BY 1. [Signature] 5-9-25	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.8°C ☐ Ice in Cooler? _____
RELINQUISHED BY 2. [Signature]	DATE/TIME 5-9-25	RECEIVED BY 2. [Signature]	Comments: Temp 3.8°C Adjustment factor +1 DIR Gun #1.
RELINQUISHED BY 3. [Signature]	DATE/TIME 5-9-25	RECEIVED FOR LAB BY 3. [Signature]	SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete

☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488